

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062419\
 Data File : BM021145.D
 Acq On : 24 Jun 2019 13:03
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Jun 25 04:32:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	265682	20.00	ng	0.00
21) Naphthalene-d8	10.56	136	1168954	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	808466	20.00	ng	-0.01
64) Phenanthrene-d10	17.16	188	2012587	20.00	ng	0.00
76) Chrysene-d12	21.35	240	1993232	20.00	ng	0.00
87) Perylene-d12	23.62	264	1762135	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1149445	78.34	ng	0.00
7) Phenol-d6	6.95	99	1692704	79.22	ng	0.00
23) Nitrobenzene-d5	8.93	82	1085646	48.40	ng	-0.01
42) 2,4,6-Tribromophenol	15.91	330	1282715	84.55	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	3213380	48.85	ng	-0.01
79) Terphenyl-d14	19.79	244	5977104	56.01	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	105172	19.025	ng	98
3) Pyridine	3.72	79	293565	18.467	ng	98
4) n-Nitrosodimethylamine	3.63	42	105215	17.190	ng	# 98
6) Aniline	7.11	93	479703	16.856	ng	98
8) 2-Chlorophenol	7.34	128	330240	18.288	ng	99
9) Benzaldehyde	6.93	77	284363	22.676	ng	98
10) Phenol	6.97	94	401179	18.378	ng	98
11) bis(2-Chloroethyl)ether	7.20	93	303163	17.542	ng	100
12) 1,3-Dichlorobenzene	7.66	146	379777	17.359	ng	99
13) 1,4-Dichlorobenzene	7.81	146	389481	17.510	ng	99
14) 1,2-Dichlorobenzene	8.12	146	381933	17.521	ng	99
15) Benzyl Alcohol	8.02	79	305284	17.646	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.30	45	402138	17.989	ng	100
17) 2-Methylphenol	8.21	107	281119	18.029	ng	99
18) Hexachloroethane	8.84	117	135307	16.942	ng	95
19) n-Nitroso-di-n-propylamine	8.58	70	287271	18.475	ng	98
20) 3+4-Methylphenols	8.54	107	391532	18.242	ng	99
22) Acetophenone	8.60	105	582111	19.542	ng	99
24) Nitrobenzene	8.97	77	414203	18.642	ng	98
25) Isophorone	9.50	82	792368	18.880	ng	100
26) 2-Nitrophenol	9.68	139	196751	18.085	ng	97
27) 2,4-Dimethylphenol	9.74	122	307852	19.401	ng	99
28) bis(2-Chloroethoxy)methane	9.98	93	468059	17.948	ng	100
29) 2,4-Dichlorophenol	10.21	162	374334	18.228	ng	98
30) 1,2,4-Trichlorobenzene	10.42	180	428292	17.692	ng	99
31) Naphthalene	10.61	128	1147733	18.553	ng	99
32) Benzoic acid	9.87	122	201486	15.696	ng	98
33) 4-Chloroaniline	10.73	127	505036	17.984	ng	98
34) Hexachlorobutadiene	10.88	225	261211	17.089	ng	99
35) Caprolactam	11.53	113	121010	18.839	ng	97
36) 4-Chloro-3-methylphenol	11.85	107	405072	19.384	ng	97
37) 2-Methylnaphthalene	12.22	142	920603	19.341	ng	99
38) 1-Methylnaphthalene	12.45	142	886197	19.520	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.59	216	566916	18.526	ng	100

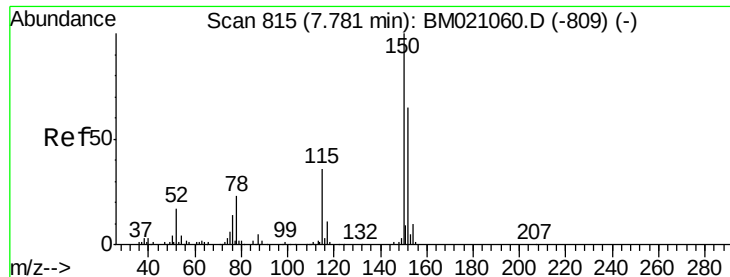
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062419\
 Data File : BM021145.D
 Acq On : 24 Jun 2019 13:03
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Quant Time: Jun 25 04:32:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.56	237	251429	14.174	ng	98
43) 2,4,6-Trichlorophenol	12.84	196	352488	17.408	ng	100
44) 2,4,5-Trichlorophenol	12.91	196	385470	18.383	ng	98
46) 1,1'-Biphenyl	13.25	154	1324367	19.140	ng	99
47) 2-Chloronaphthalene	13.29	162	979561	17.430	ng	99
48) 2-Nitroaniline	13.50	65	258500	16.814	ng	95
49) Acenaphthylene	14.13	152	1576720	18.436	ng	100
50) Dimethylphthalate	13.87	163	1299616	18.080	ng	100
51) 2,6-Dinitrotoluene	14.00	165	287363	18.583	ng	98
52) Acenaphthene	14.47	154	933910	18.099	ng	99
53) 3-Nitroaniline	14.33	138	266076	16.878	ng	96
54) 2,4-Dinitrophenol	14.54	184	126143	15.186	ng	97
55) Dibenzofuran	14.81	168	1583822	18.816	ng	99
56) 4-Nitrophenol	14.64	139	199967	16.588	ng	97
57) 2,4-Dinitrotoluene	14.79	165	390916	18.307	ng	99
58) Fluorene	15.46	166	1294105	18.816	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.04	232	383442	19.139	ng	100
60) Diethylphthalate	15.24	149	1304969	18.433	ng	99
61) 4-Chlorophenyl-phenylether	15.46	204	710233	18.279	ng	97
62) 4-Nitroaniline	15.50	138	278112	16.808	ng	98
63) Azobenzene	15.75	77	1097995	18.908	ng	98
65) 4,6-Dinitro-2-methylphenol	15.55	198	191986	15.471	ng	99
66) n-Nitrosodiphenylamine	15.67	169	1145065	18.051	ng	100
67) 4-Bromophenyl-phenylether	16.35	248	459233	17.141	ng	96
68) Hexachlorobenzene	16.46	284	547792	17.115	ng	99
69) Atrazine	16.63	200	392609	19.032	ng	98
70) Pentachlorophenol	16.81	266	300908	17.449	ng	99
71) Phenanthrene	17.20	178	2145946	18.501	ng	100
72) Anthracene	17.29	178	2141729	18.641	ng	100
73) Carbazole	17.57	167	1902263	18.725	ng	100
74) Di-n-butylphthalate	18.13	149	2238317	17.998	ng	100
75) Fluoranthene	19.22	202	2578873	19.254	ng	99
77) Benzidine	19.42	184	702710	12.141	ng	99
78) Pyrene	19.59	202	2661864	18.414	ng	100
80) Butylbenzylphthalate	20.49	149	1011846	17.561	ng	98
81) Benzo(a)anthracene	21.33	228	2426152	17.856	ng	99
82) 3,3'-Dichlorobenzidine	21.27	252	860665	16.724	ng	99
83) Chrysene	21.39	228	2393274	18.490	ng	100
84) Bis(2-ethylhexyl)phthalate	21.26	149	1506373	18.369	ng	99
85) Di-n-octyl phthalate	22.15	149	2385623	18.498	ng	100
86) Indeno(1,2,3-cd)pyrene	25.92	276	2205558	15.399	ng	100
88) Benzo(b)fluoranthene	22.94	252	2301885	19.363	ng	99
89) Benzo(k)fluoranthene	22.99	252	2209571	19.228	ng	100
90) Benzo(a)pyrene	23.53	252	2049224	19.104	ng	100
91) Dibenzo(a,h)anthracene	25.93	278	1868827	17.475	ng	100
92) Benzo(g,h,i)perylene	26.63	276	1801380	18.063	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

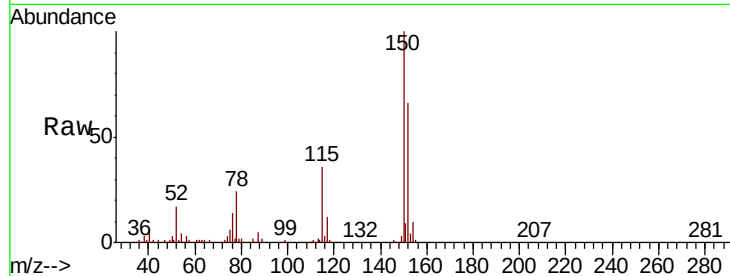


#1

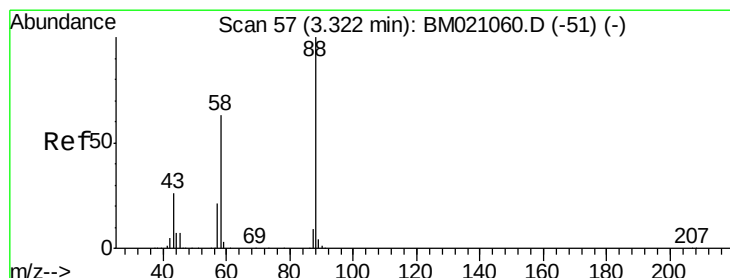
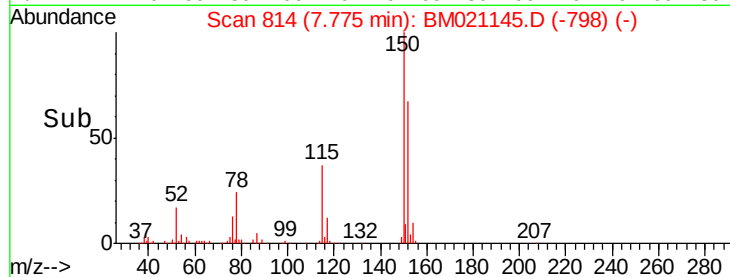
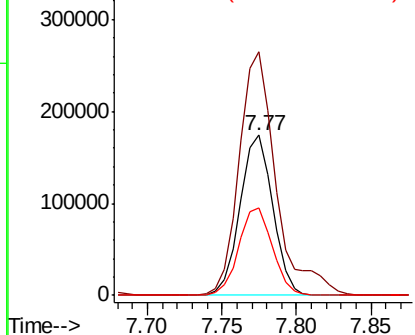
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.77 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion:152 Resp: 265682
 Ion Ratio Lower Upper
 152 100
 150 152.0 123.1 184.7
 115 54.8 44.2 66.4



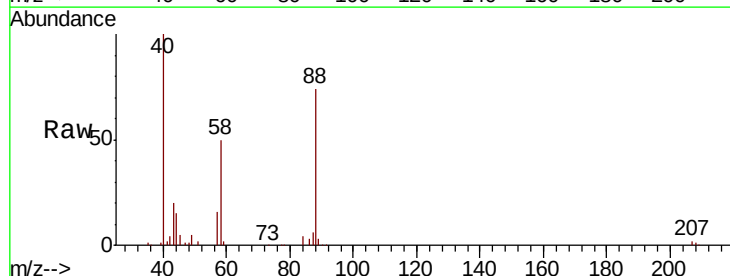
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



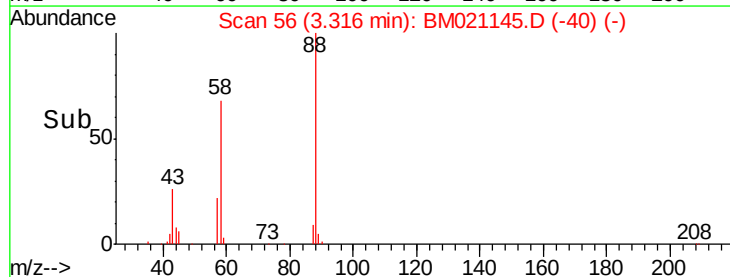
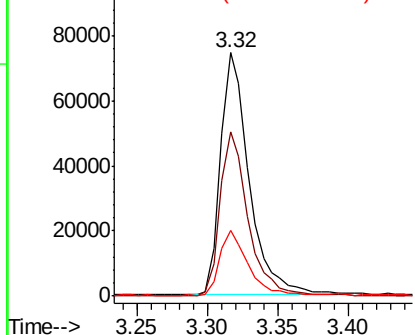
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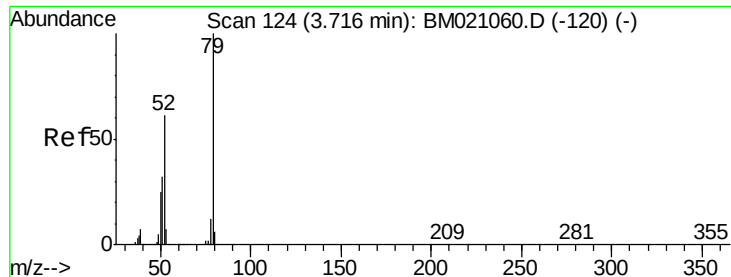
1,4-Dioxane
 Concen: 19.025 ng
 RT: 3.32 min Scan# 56
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Tgt Ion: 88 Resp: 105172
 Ion Ratio Lower Upper
 88 100
 58 66.9 51.9 77.9
 43 27.7 21.4 32.2



Abundance Ion 88.00 (87.70 to 88.70): BM0
 Ion 58.00 (57.70 to 58.70): BM0
 Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

Concen: 18.467 ng

RT: 3.72 min Scan# 124

Delta R.T. -0.00 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

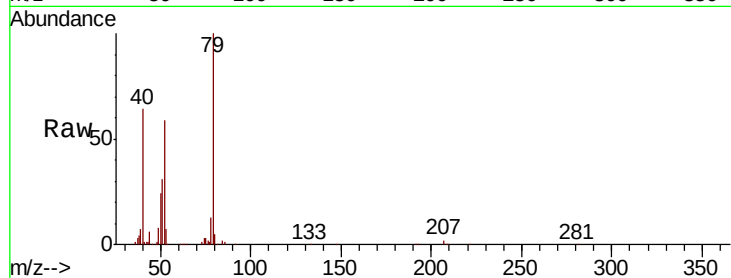
Tgt Ion: 79 Resp: 293565

Ion Ratio Lower Upper

79 100

52 59.0 48.8 73.2

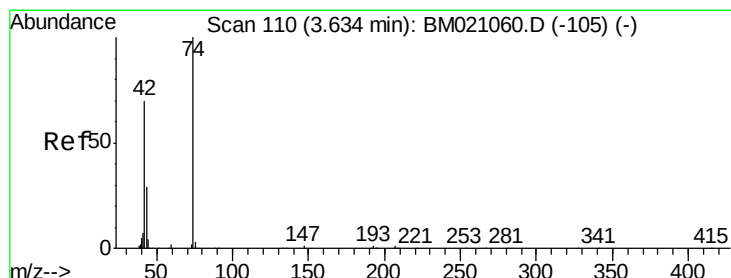
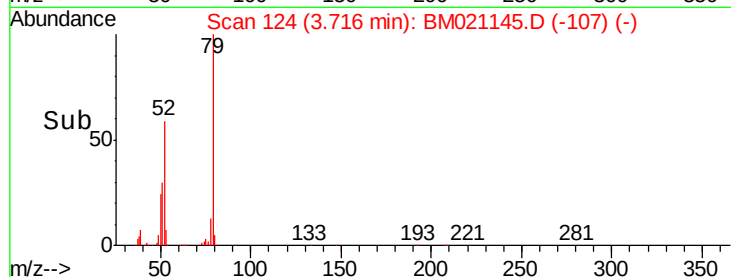
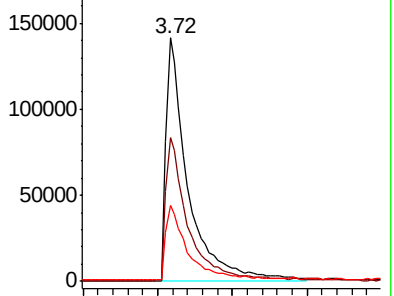
51 31.1 25.7 38.5



Abundance Ion 79.00 (78.70 to 79.70): BM021060.D (-120) (-)

Ion 52.00 (51.70 to 52.70): BM021060.D (-120) (-)

Ion 51.00 (50.70 to 51.70): BM021060.D (-120) (-)



#4

n-Nitrosodimethylamine

Concen: 17.190 ng

RT: 3.63 min Scan# 110

Delta R.T. -0.00 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

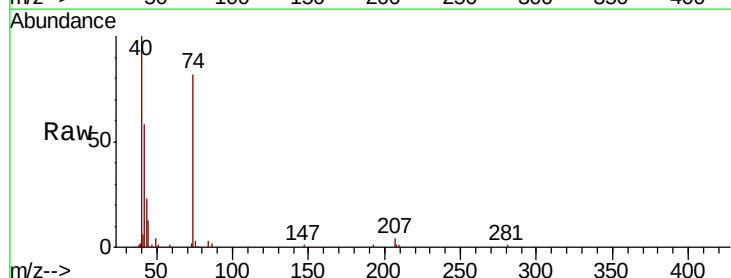
Tgt Ion: 42 Resp: 105215

Ion Ratio Lower Upper

42 100

74 142.0 113.8 170.6

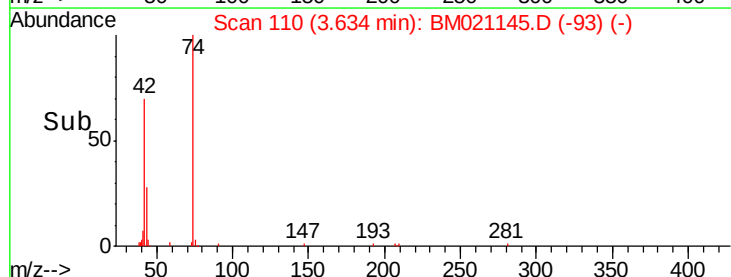
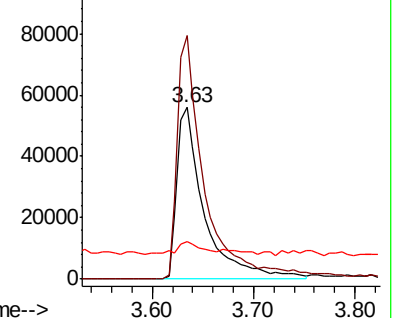
44 22.1 8.2 12.2#

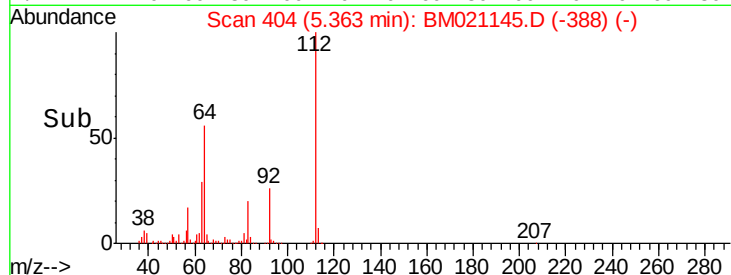
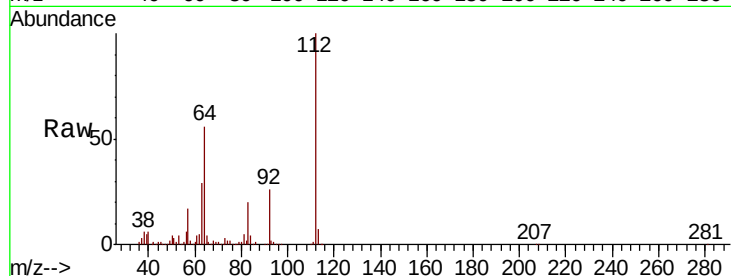
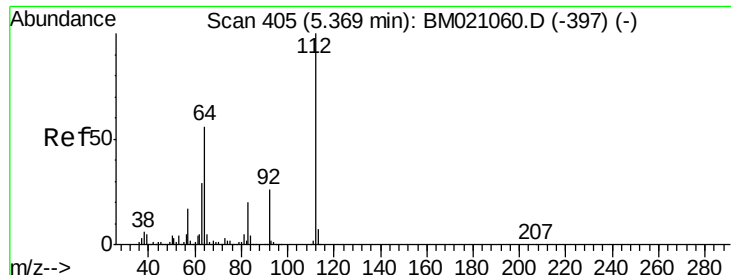


Abundance Ion 42.00 (41.70 to 42.70): BM021060.D (-105) (-)

Ion 74.00 (73.70 to 74.70): BM021060.D (-105) (-)

Ion 44.00 (43.70 to 44.70): BM021060.D (-105) (-)

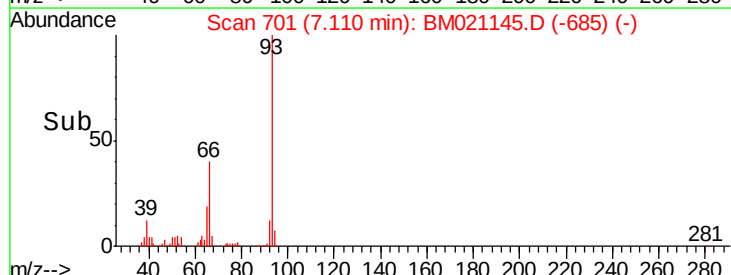
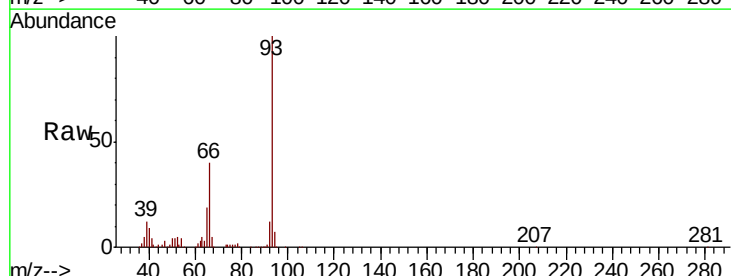
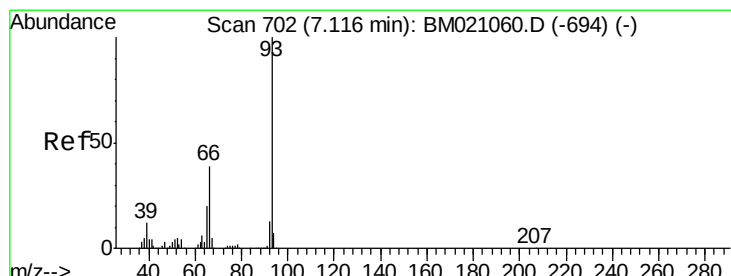
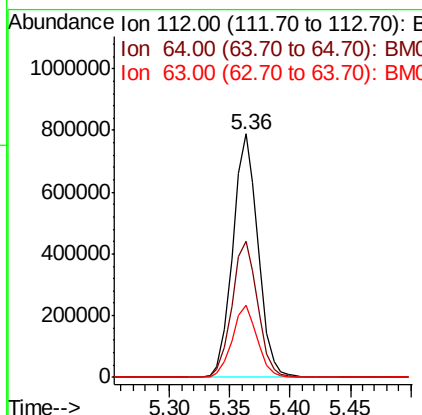




#5
2-Fluorophenol
Concen: 78.339 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

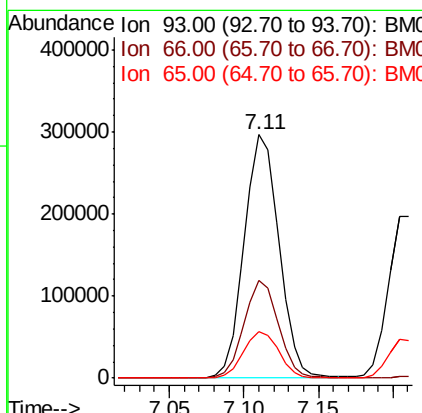
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

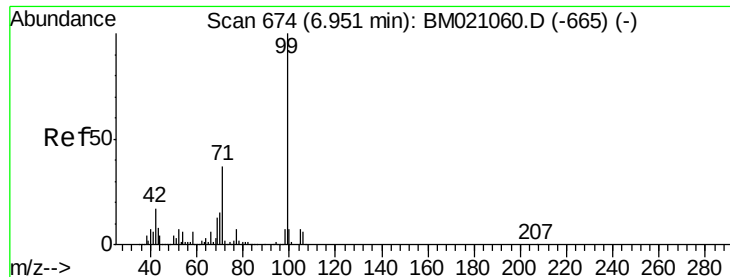
Tgt Ion: 112 Resp: 1149445
Ion Ratio Lower Upper
112 100
64 56.0 45.2 67.8
63 29.4 23.5 35.3



#6
Aniline
Concen: 16.856 ng
RT: 7.11 min Scan# 701
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion: 93 Resp: 479703
Ion Ratio Lower Upper
93 100
66 40.2 31.3 46.9
65 19.3 15.9 23.9





#7

Phenol-d6

Concen: 79.219 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

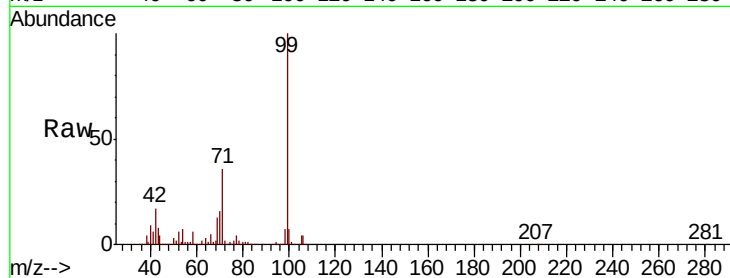
Tgt Ion: 99 Resp: 1692704

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

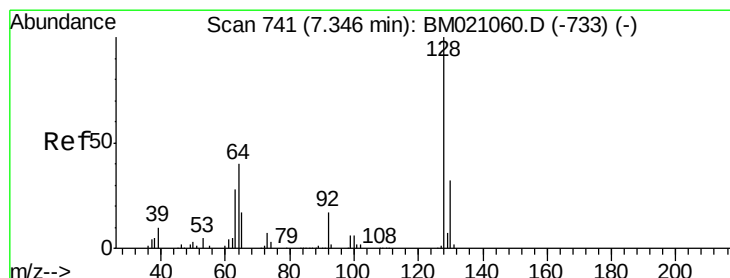
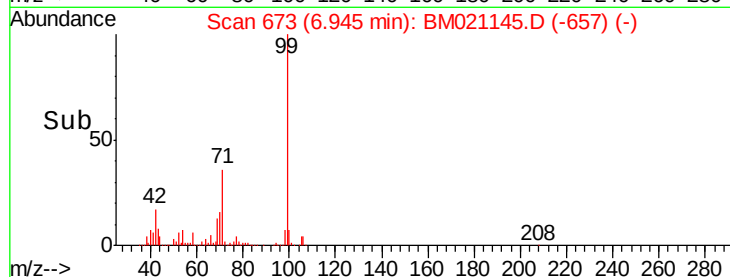
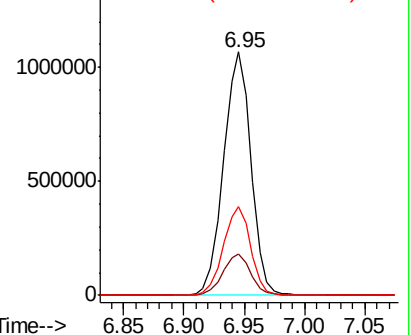
71 36.4 29.3 43.9



Abundance Ion 99.00 (98.70 to 99.70): BM021145.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM021145.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM021145.D (-657) (-)



#8

2-Chlorophenol

Concen: 18.288 ng

RT: 7.34 min Scan# 740

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

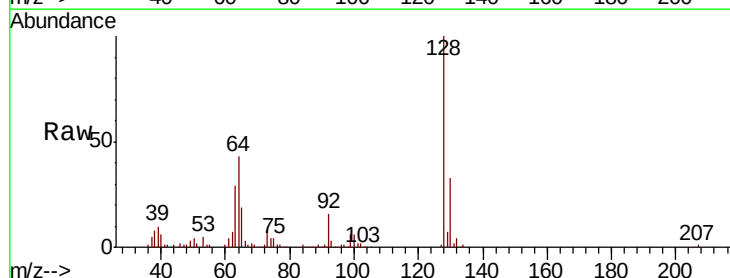
Tgt Ion: 128 Resp: 330240

Ion Ratio Lower Upper

128 100

130 32.9 12.2 52.2

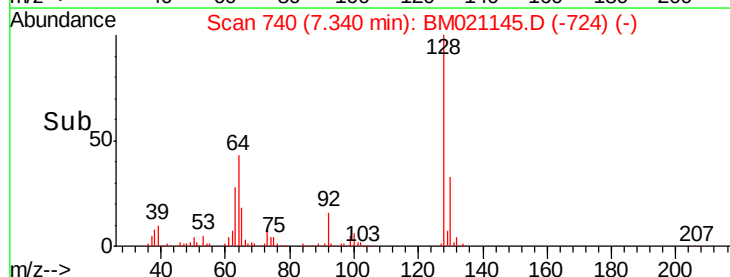
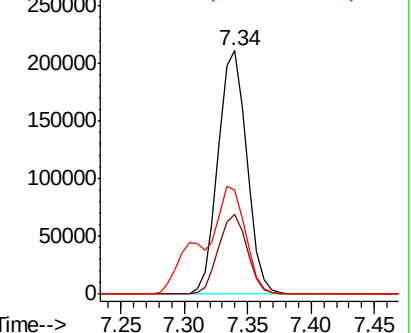
64 42.6 23.2 63.2

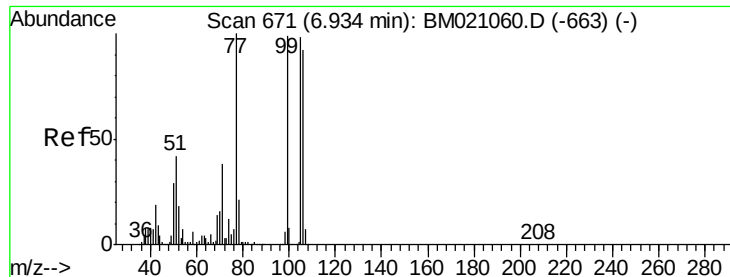


Abundance Ion 128.00 (127.70 to 128.70): BM021145.D (-724) (-)

Ion 130.00 (129.70 to 130.70): BM021145.D (-724) (-)

Ion 64.00 (63.70 to 64.70): BM021145.D (-724) (-)





#9

Benzaldehyde

Concen: 22.676 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

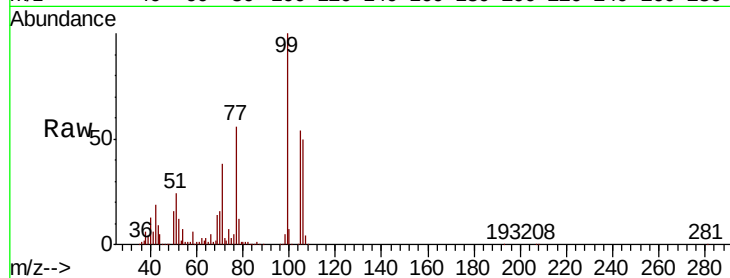
Tgt Ion: 77 Resp: 284363

Ion Ratio Lower Upper

77 100

105 96.4 77.8 117.8

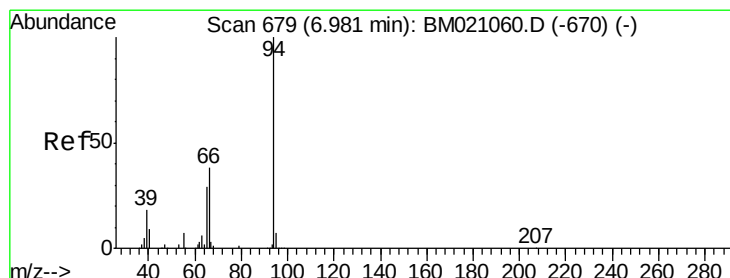
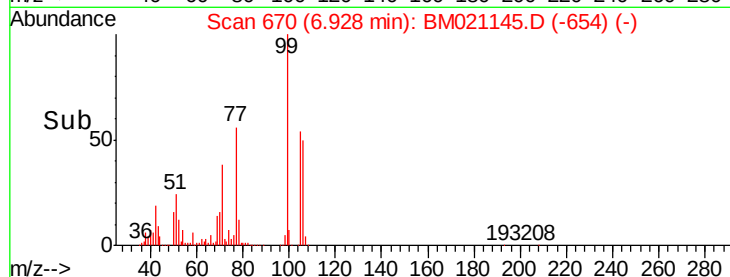
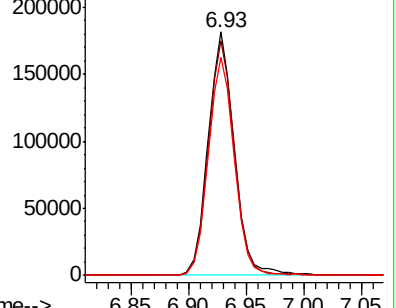
106 89.8 71.8 111.8



Abundance Ion 77.00 (76.70 to 77.70): BM021145.D (-654) (-)

Ion 105.00 (104.70 to 105.70): BM021145.D (-654) (-)

Ion 106.00 (105.70 to 106.70): BM021145.D (-654) (-)



#10

Phenol

Concen: 18.378 ng

RT: 6.97 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

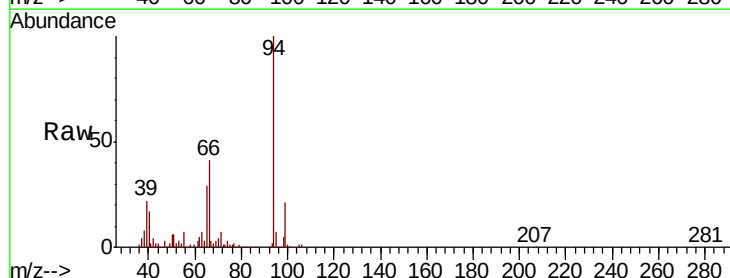
Tgt Ion: 94 Resp: 401179

Ion Ratio Lower Upper

94 100

65 28.6 8.7 48.7

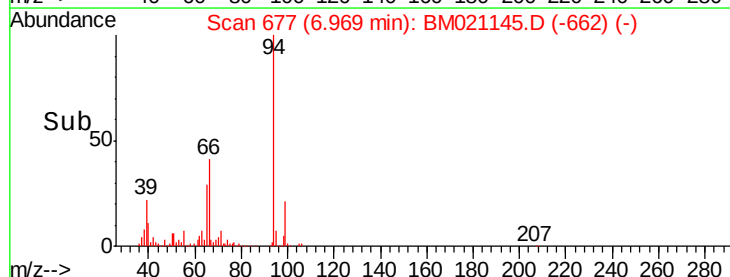
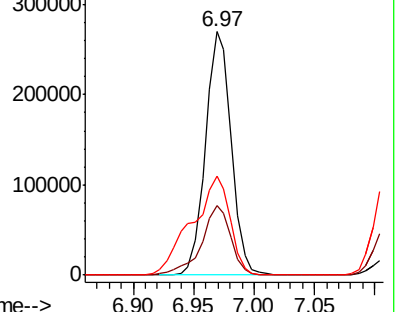
66 40.9 19.0 59.0

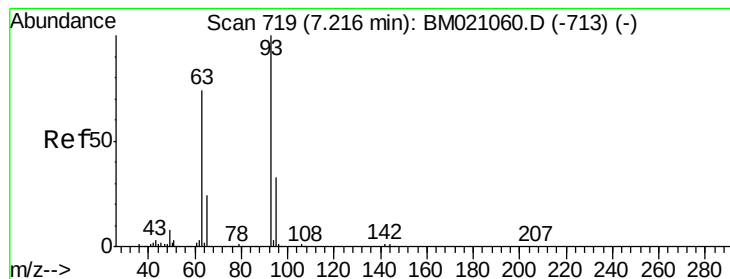


Abundance Ion 94.00 (93.70 to 94.70): BM021145.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM021145.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM021145.D (-662) (-)





#11

bis(2-Chloroethyl)ether

Concen: 17.542 ng

RT: 7.20 min Scan# 717

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

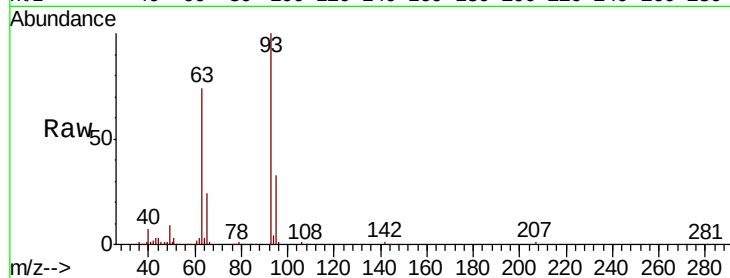
Tgt Ion: 93 Resp: 303163

Ion Ratio Lower Upper

93 100

63 73.6 53.4 93.4

95 33.2 13.0 53.0

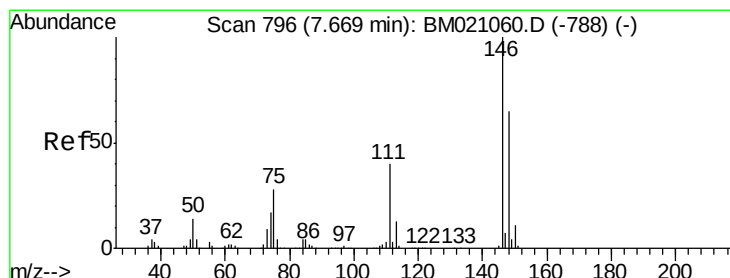
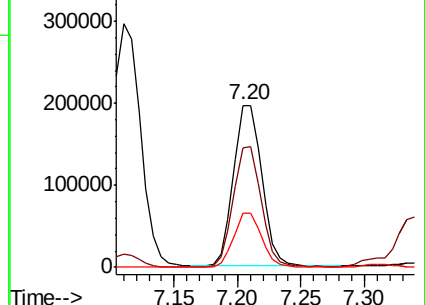
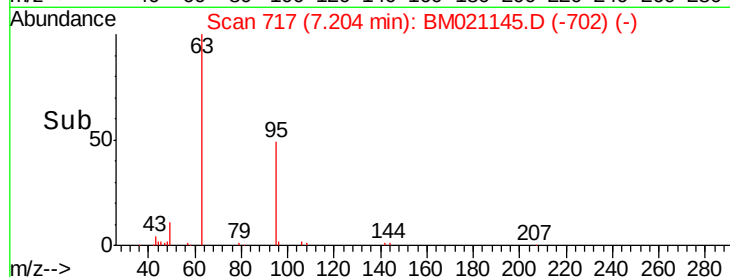


Abundance Ion 93.00 (92.70 to 93.70): BM021060.D (-713) (-)

Ion 63.00 (62.70 to 63.70): BM021060.D (-713) (-)

Ion 95.00 (94.70 to 95.70): BM021060.D (-713) (-)

Time-->



#12

1,3-Dichlorobenzene

Concen: 17.359 ng

RT: 7.66 min Scan# 795

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

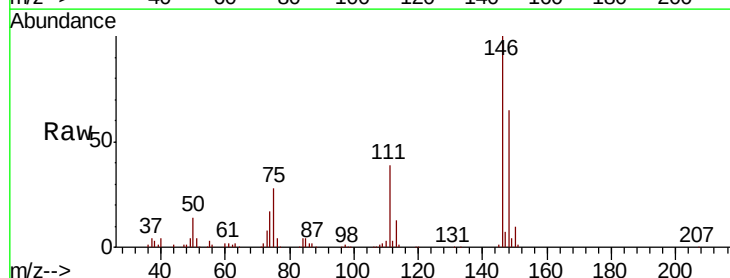
Tgt Ion: 146 Resp: 379777

Ion Ratio Lower Upper

146 100

148 64.6 52.2 78.2

75 28.4 22.2 33.4

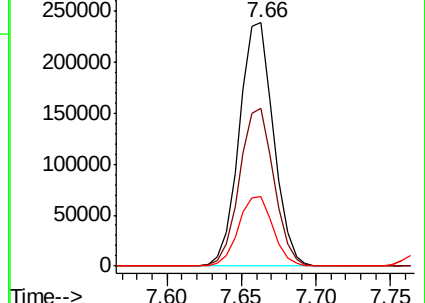
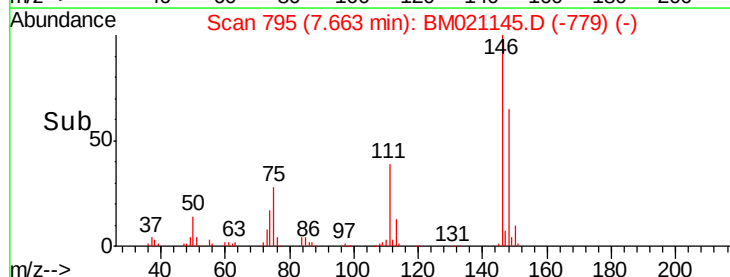


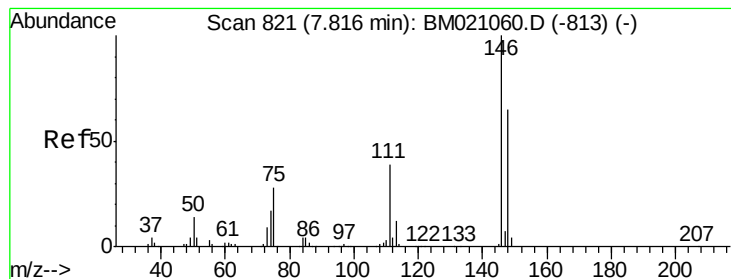
Abundance Ion 146.00 (145.70 to 146.70): BM021060.D (-788) (-)

Ion 148.00 (147.70 to 148.70): BM021060.D (-788) (-)

Ion 75.00 (74.70 to 75.70): BM021060.D (-788) (-)

Time-->





#13

1,4-Dichlorobenzene

Concen: 17.510 ng

RT: 7.81 min Scan# 820

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

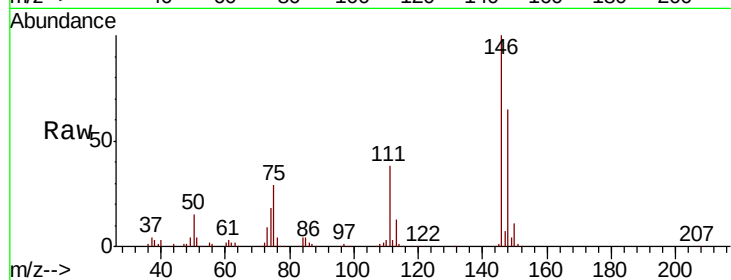
Tgt Ion:146 Resp: 389481

Ion Ratio Lower Upper

146 100

148 64.8 51.9 77.9

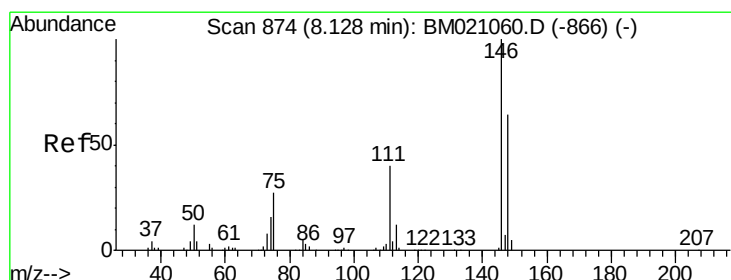
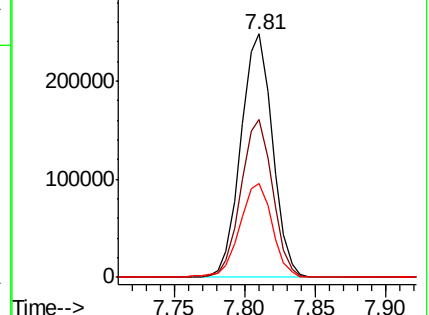
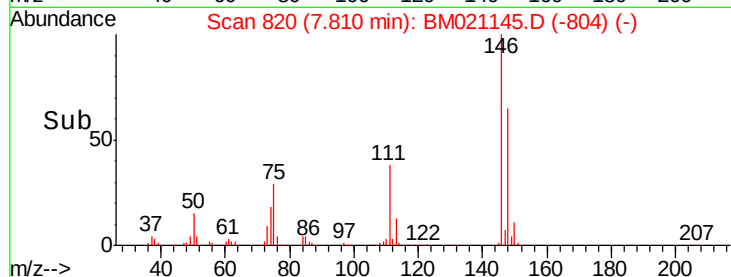
111 38.5 31.4 47.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 17.521 ng

RT: 8.12 min Scan# 873

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

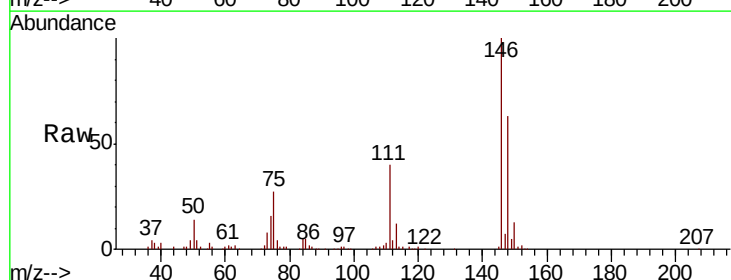
Tgt Ion:146 Resp: 381933

Ion Ratio Lower Upper

146 100

148 63.5 51.2 76.8

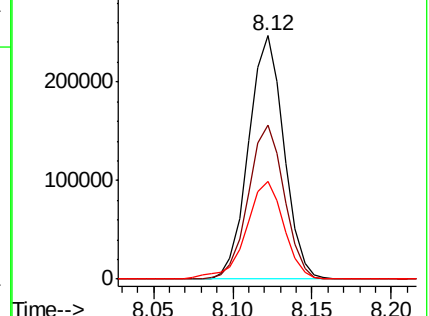
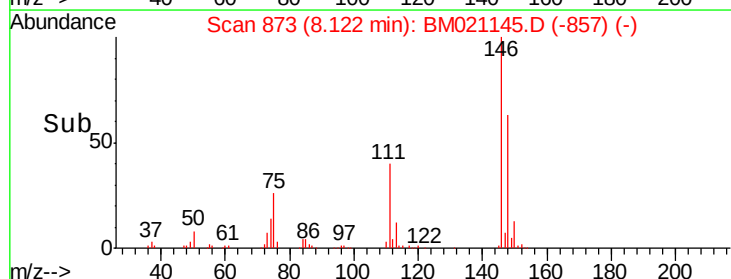
111 39.9 32.8 49.2

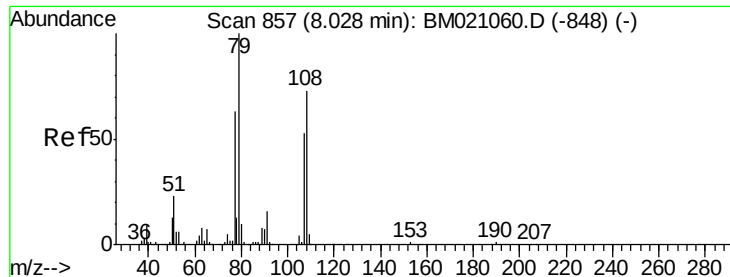


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 17.646 ng

RT: 8.02 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

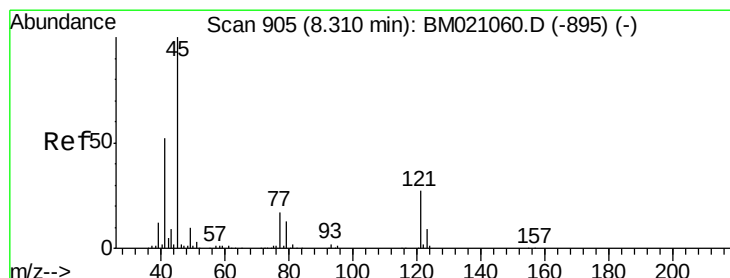
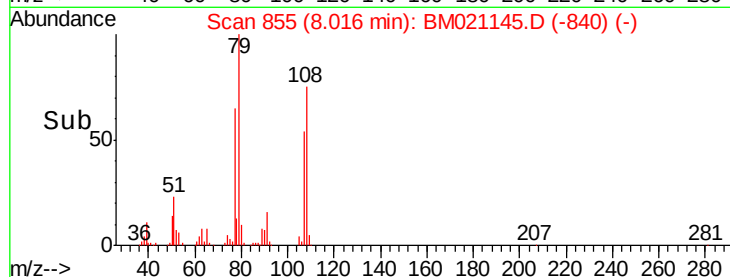
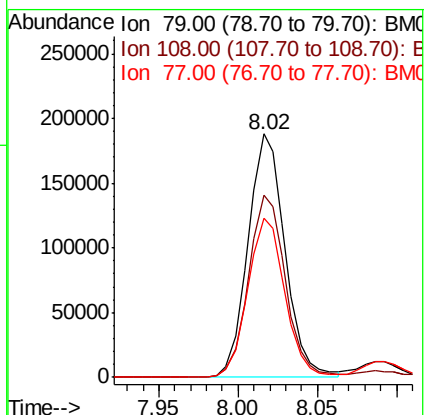
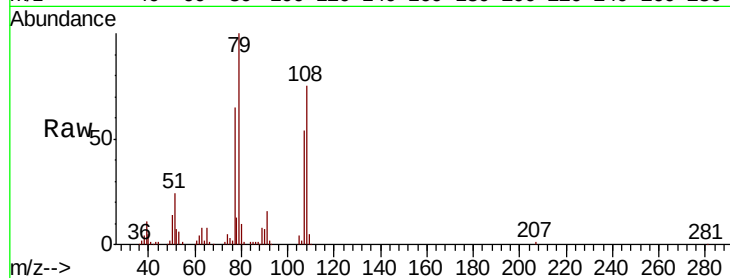
Tgt Ion: 79 Resp: 305284

Ion Ratio Lower Upper

79 100

108 74.8 58.4 87.6

77 65.1 50.1 75.1



#16

2,2'-oxybis(1-chloropropane)

Concen: 17.989 ng

RT: 8.30 min Scan# 904

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

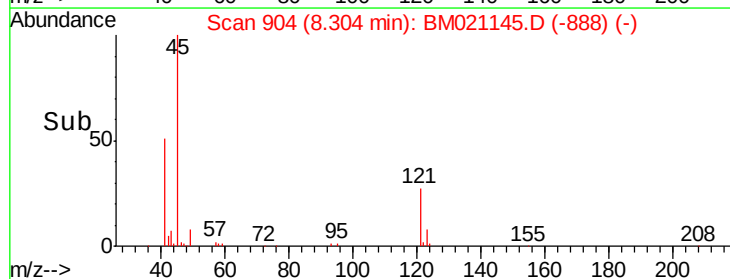
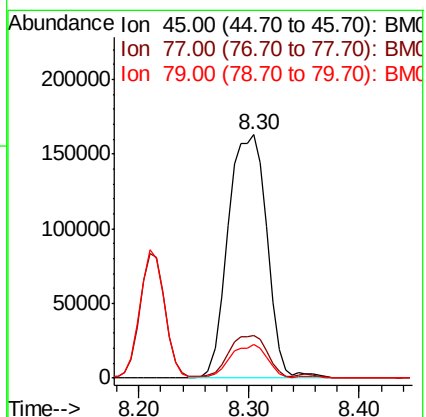
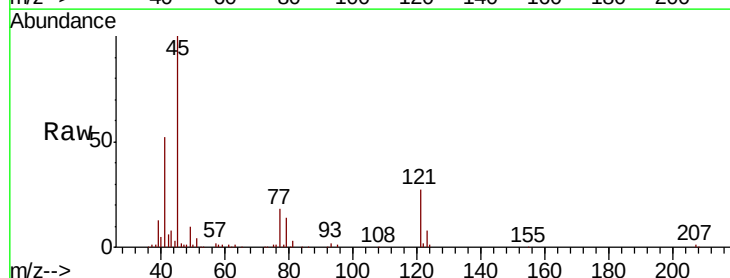
Tgt Ion: 45 Resp: 402138

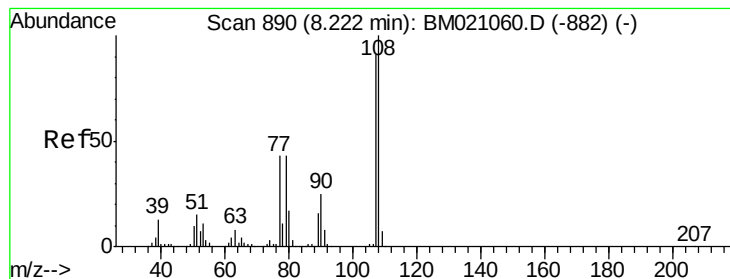
Ion Ratio Lower Upper

45 100

77 17.6 0.0 37.5

79 13.8 0.0 33.5





#17

2-Methylphenol

Concen: 18.029 ng

RT: 8.21 min Scan# 888

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion:107 Resp: 281119

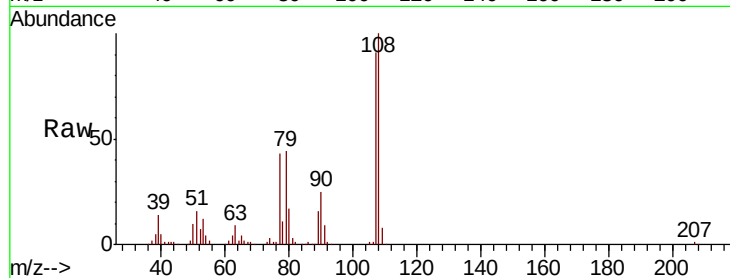
Ion Ratio Lower Upper

107 100

108 109.6 87.5 131.3

77 47.2 37.8 56.8

79 48.6 37.5 56.3

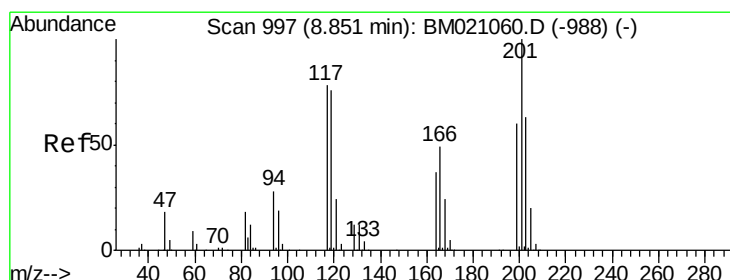
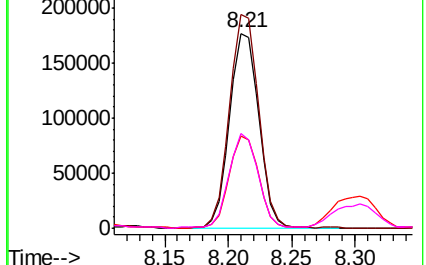
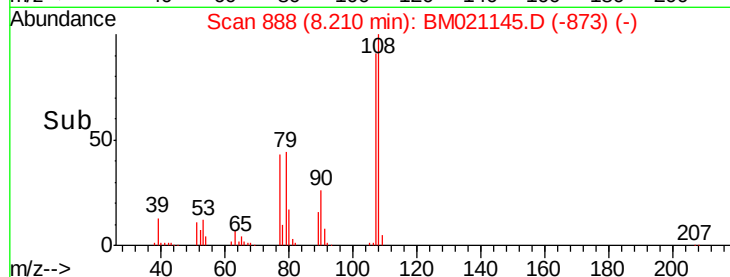


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 16.942 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

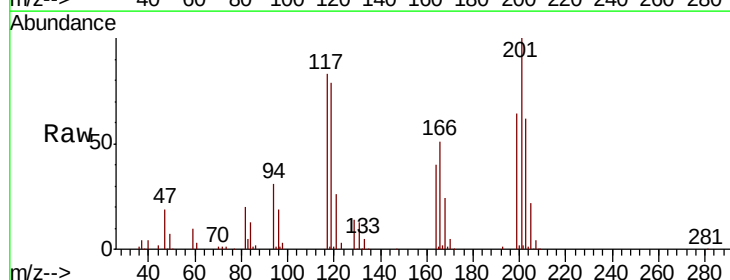
Tgt Ion:117 Resp: 135307

Ion Ratio Lower Upper

117 100

119 94.5 77.5 116.3

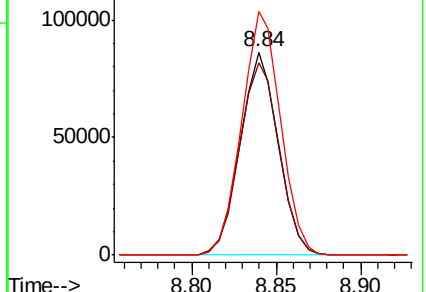
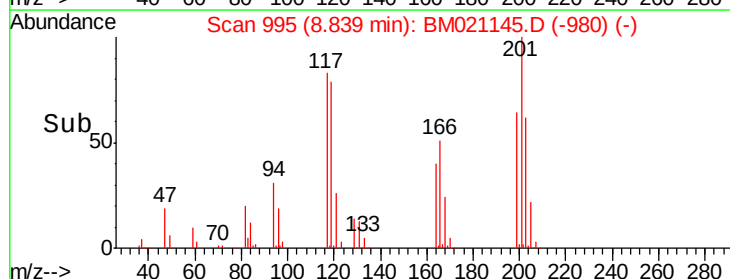
201 119.9 102.3 153.5

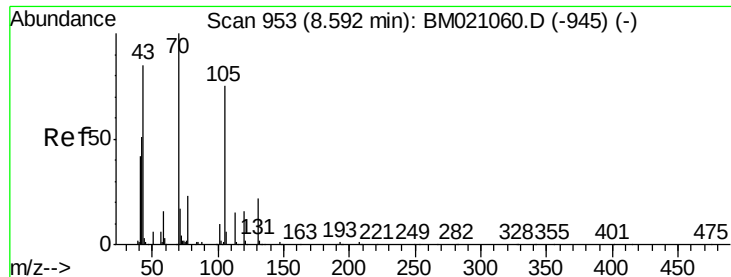


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

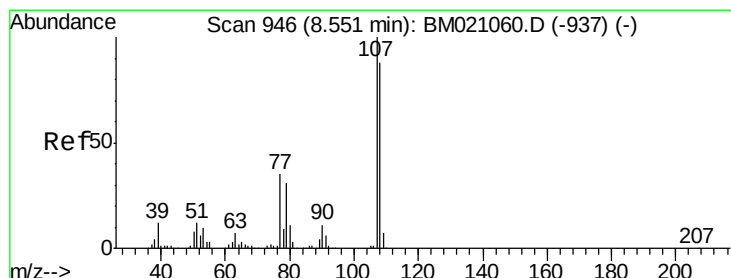
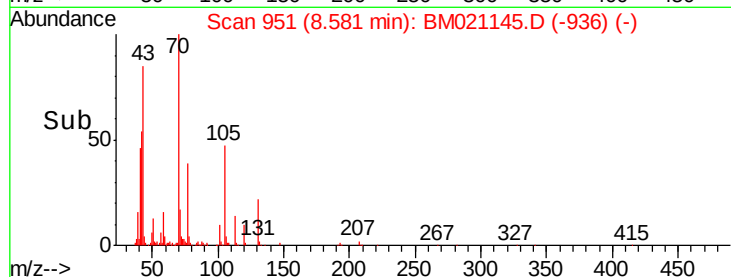
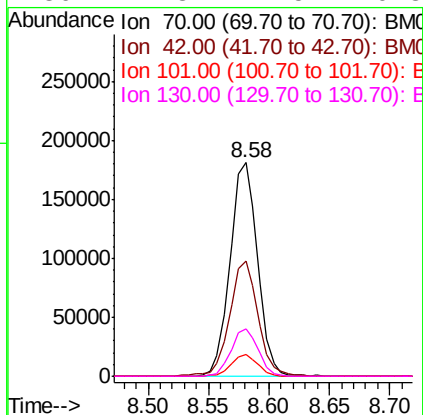
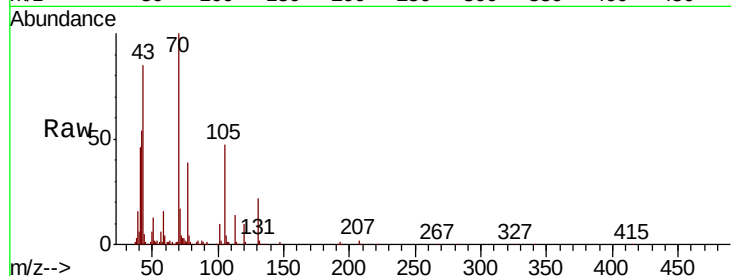




#19
n-Nitroso-di-n-propylamine
Concen: 18.475 ng
RT: 8.58 min Scan# 951
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

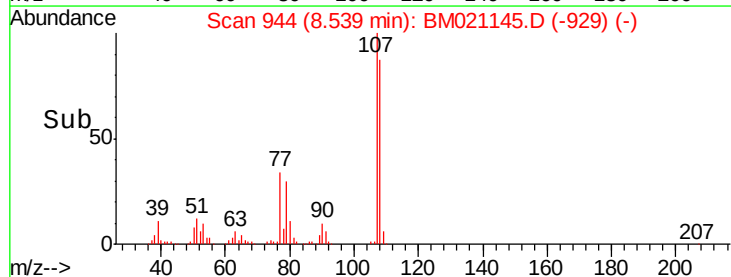
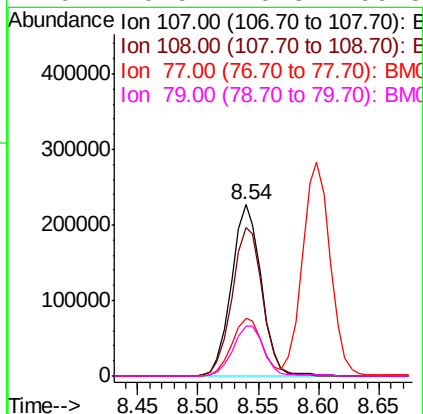
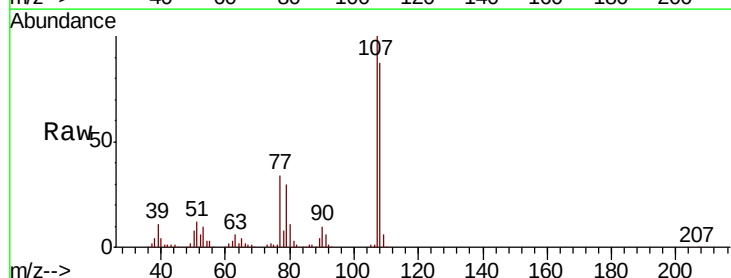
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

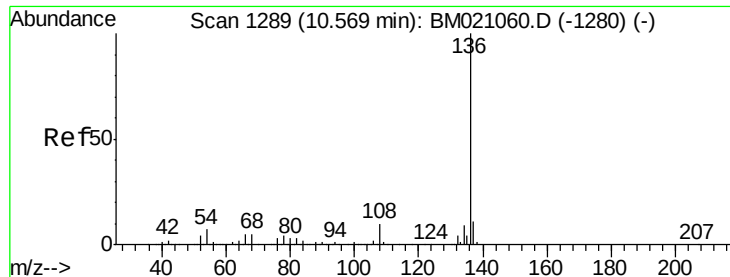
Tgt Ion:	70	Resp:	287271
Ion	Ratio	Lower	Upper
70	100		
42	53.9	41.9	62.9
101	10.3	8.1	12.1
130	22.3	17.5	26.3



#20
3+4-Methylphenols
Concen: 18.242 ng
RT: 8.54 min Scan# 944
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion:	107	Resp:	391532
Ion	Ratio	Lower	Upper
107	100		
108	87.0	67.9	107.9
77	33.7	14.6	54.6
79	29.5	10.8	50.8

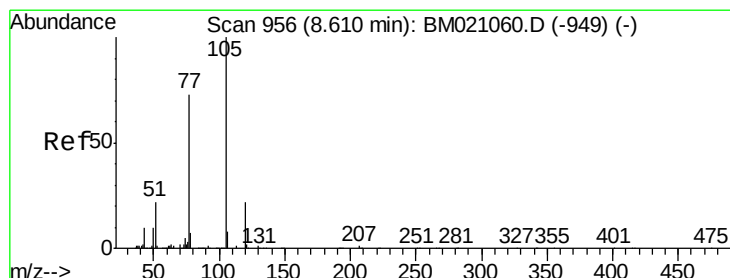
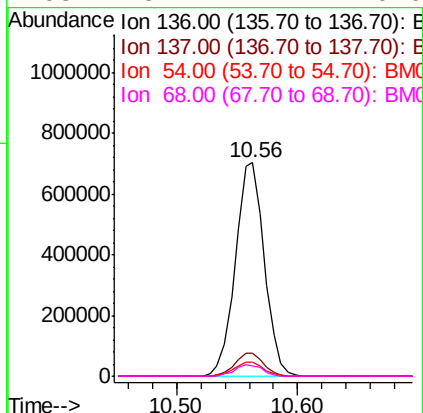
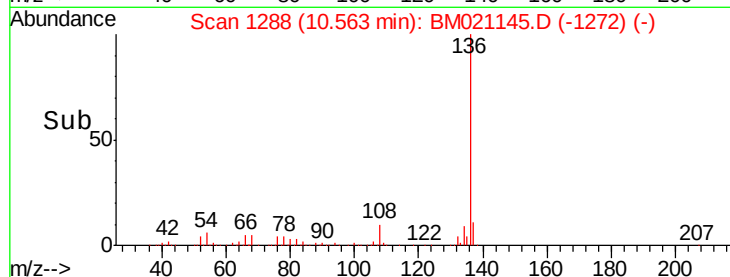
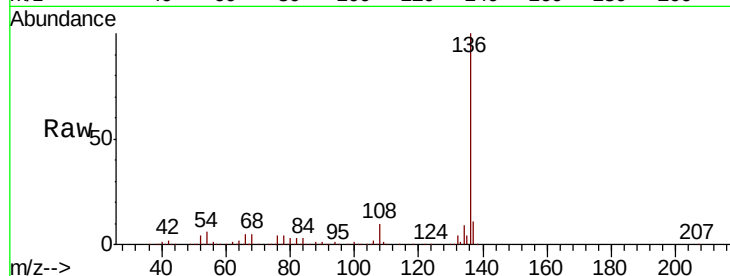




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.56 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

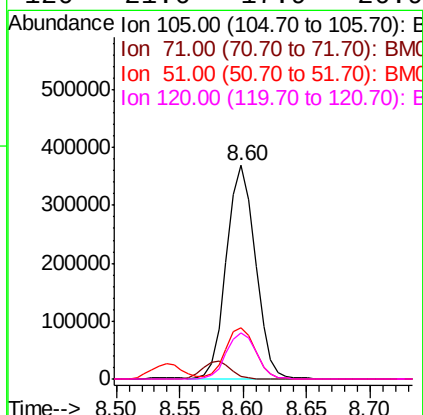
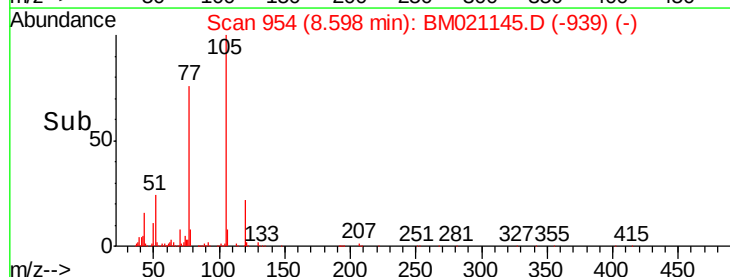
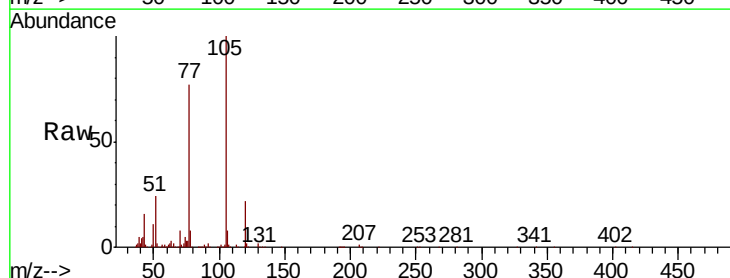
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

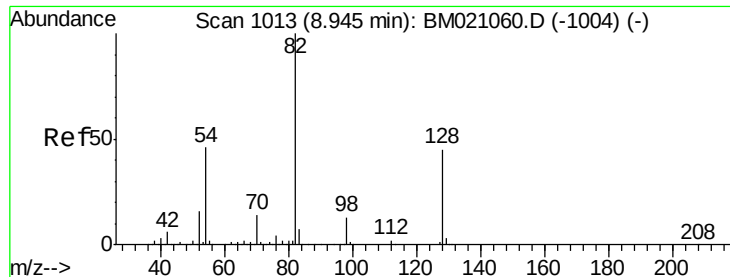
Tgt Ion:	136	Resp:	1168954
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.3	5.3	7.9
68	5.1	4.4	6.6



#22
Acetophenone
Concen: 19.542 ng
RT: 8.60 min Scan# 954
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion:	105	Resp:	582111
Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.2	1.8
51	24.1	19.1	28.7
120	21.6	17.9	26.9

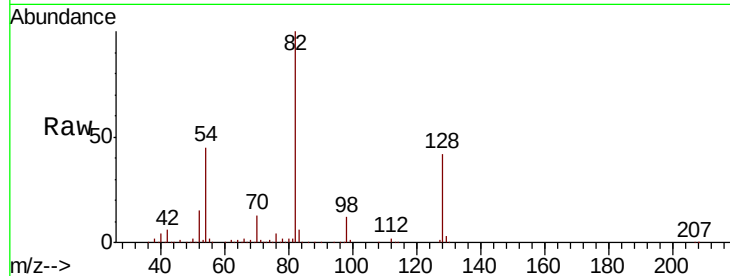




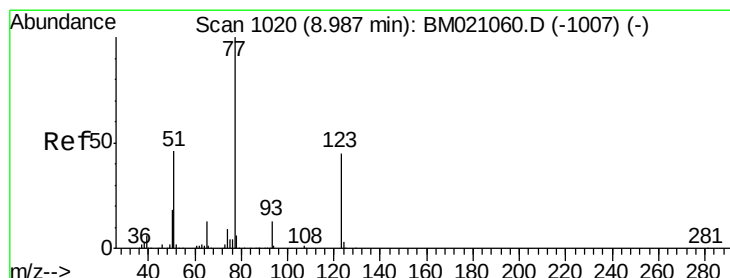
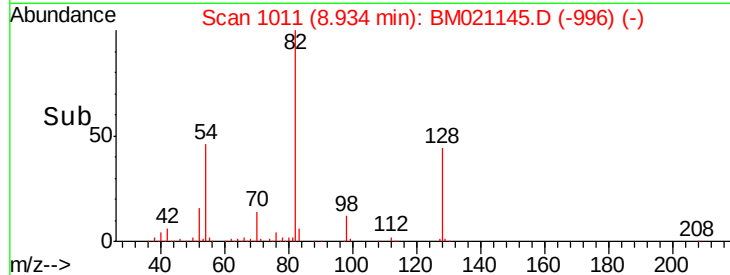
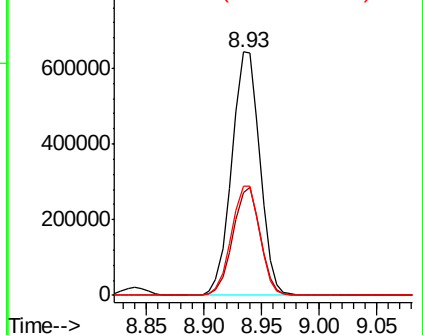
#23
 Nitrobenzene-d5
 Concen: 48.403 ng
 RT: 8.93 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion: 82 Resp: 1085646
 Ion Ratio Lower Upper
 82 100
 128 42.4 35.9 53.9
 54 44.8 36.6 55.0

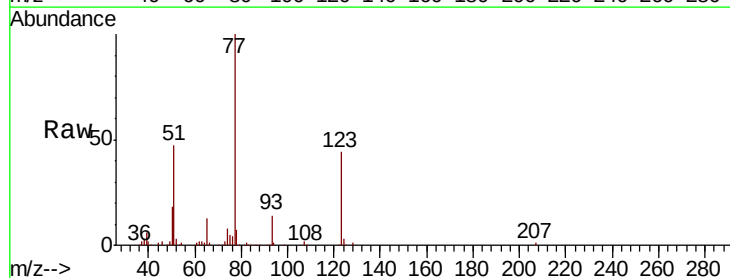


Abundance Ion 82.00 (81.70 to 82.70): BM021145.D (-996) (-)
 Ion 128.00 (127.70 to 128.70): BM021145.D (-996) (-)
 Ion 54.00 (53.70 to 54.70): BM021145.D (-996) (-)

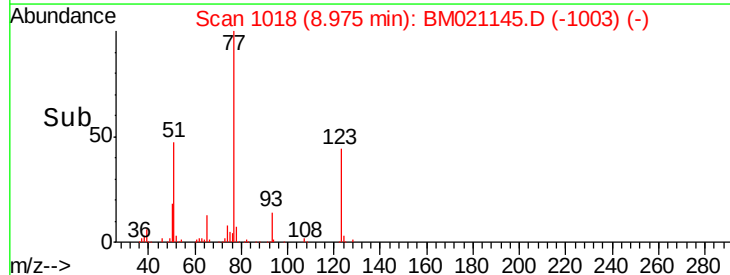
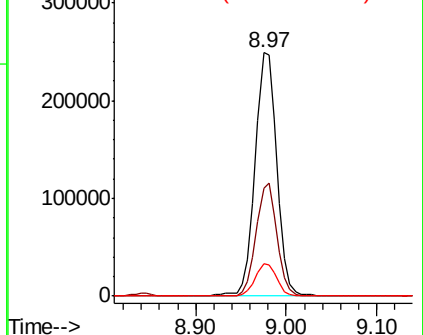


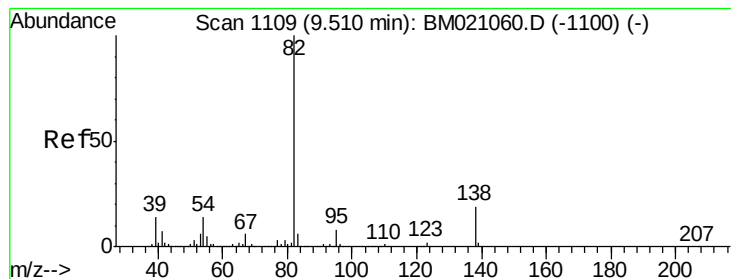
#24
 Nitrobenzene
 Concen: 18.642 ng
 RT: 8.97 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Tgt Ion: 77 Resp: 414203
 Ion Ratio Lower Upper
 77 100
 123 44.1 36.3 54.5
 65 13.5 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BM021145.D (-1003) (-)
 Ion 123.00 (122.70 to 123.70): BM021145.D (-1003) (-)
 Ion 65.00 (64.70 to 65.70): BM021145.D (-1003) (-)





#25

Isophorone

Concen: 18.880 ng

RT: 9.50 min Scan# 1107

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

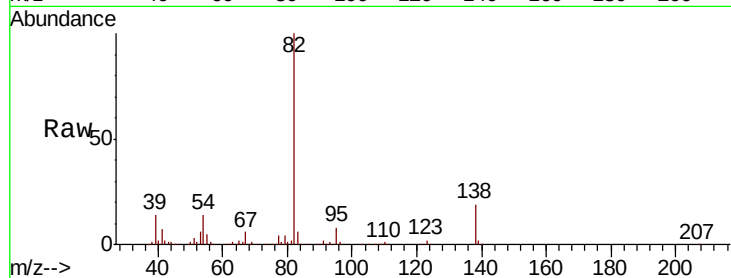
Tgt Ion: 82 Resp: 792368

Ion Ratio Lower Upper

82 100

95 7.7 6.1 9.1

138 19.0 15.0 22.6



Abundance Ion 82.00 (81.70 to 82.70): BM021060.D (-1100) (-)

Ion 95.00 (94.70 to 95.70): BM021060.D (-1100) (-)

Ion 138.00 (137.70 to 138.70): BM021060.D (-1100) (-)

9.50

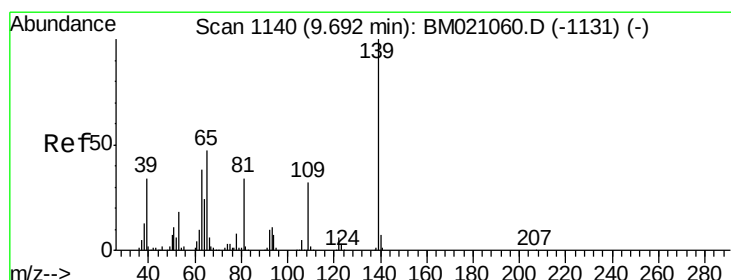
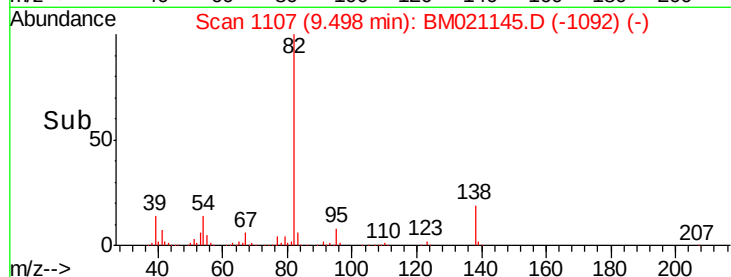
400000

200000

0

9.40 9.45 9.50 9.55 9.60

Time-->



#26

2-Nitrophenol

Concen: 18.085 ng

RT: 9.68 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

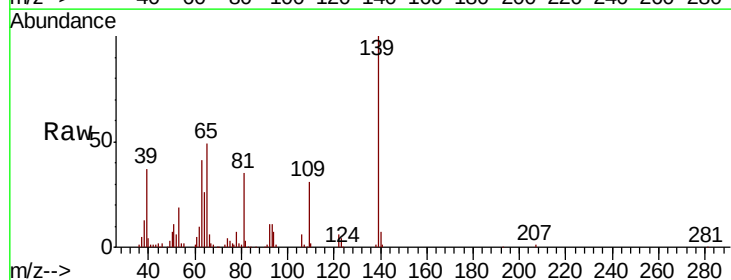
Tgt Ion: 139 Resp: 196751

Ion Ratio Lower Upper

139 100

109 30.7 25.2 37.8

65 49.4 37.4 56.0



Abundance Ion 139.00 (138.70 to 139.70): BM021060.D (-1131) (-)

Ion 109.00 (108.70 to 109.70): BM021060.D (-1131) (-)

Ion 65.00 (64.70 to 65.70): BM021060.D (-1131) (-)

9.68

150000

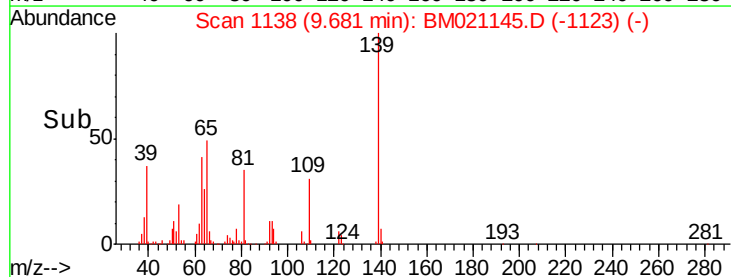
100000

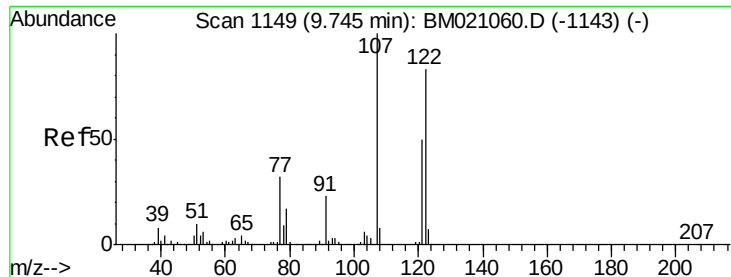
50000

0

9.60 9.65 9.70 9.75

Time-->

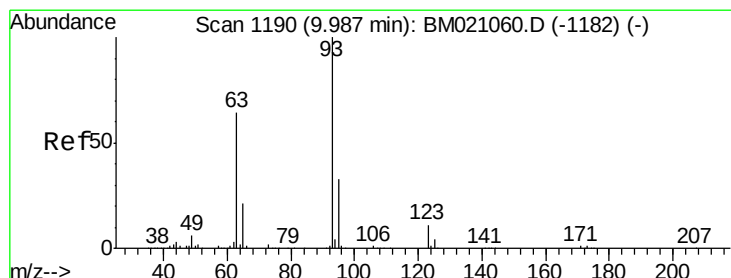
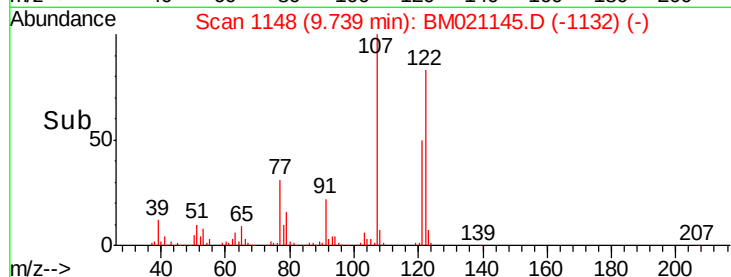
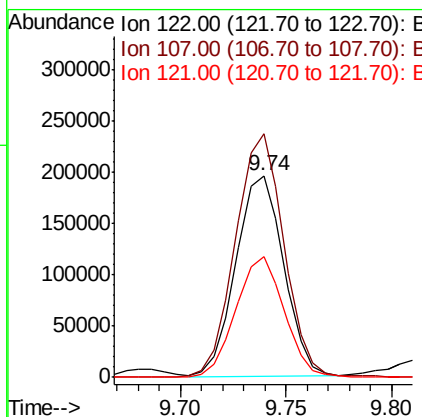
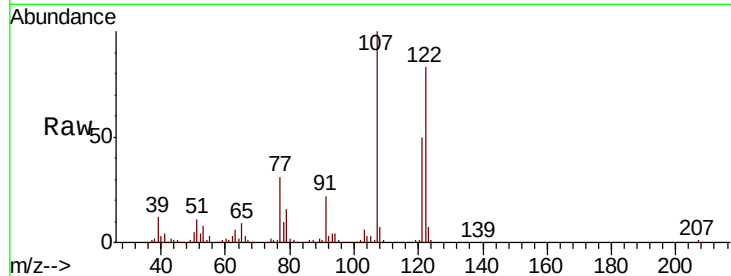




#27
2,4-Dimethylphenol
Concen: 19.401 ng
RT: 9.74 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

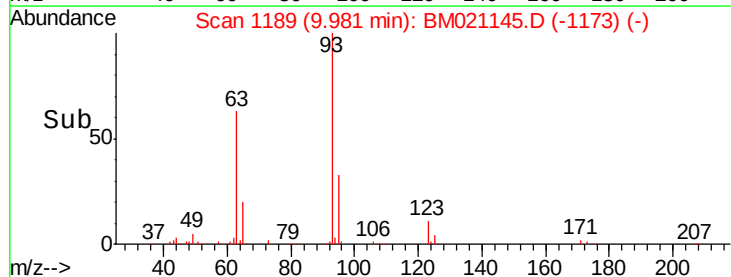
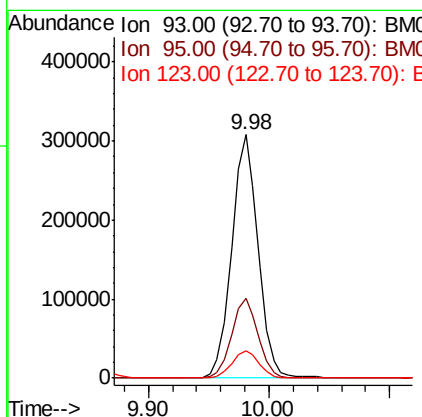
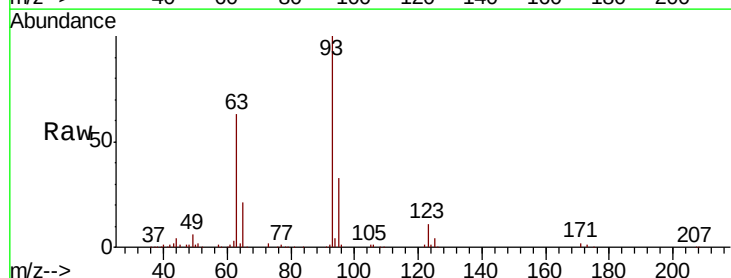
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

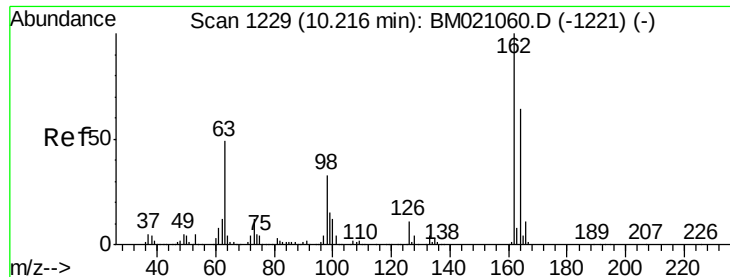
Tgt Ion:122 Resp: 307852
Ion Ratio Lower Upper
122 100
107 120.6 95.3 142.9
121 60.0 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 17.948 ng
RT: 9.98 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion: 93 Resp: 468059
Ion Ratio Lower Upper
93 100
95 32.9 26.2 39.2
123 11.3 9.0 13.4

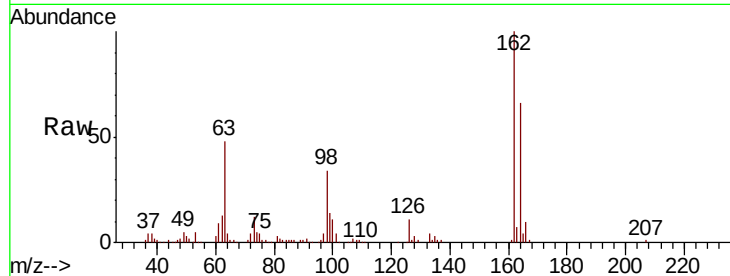




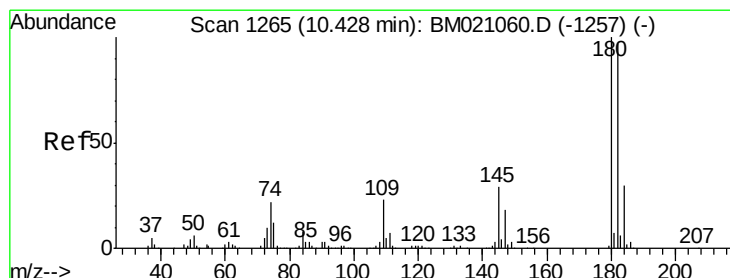
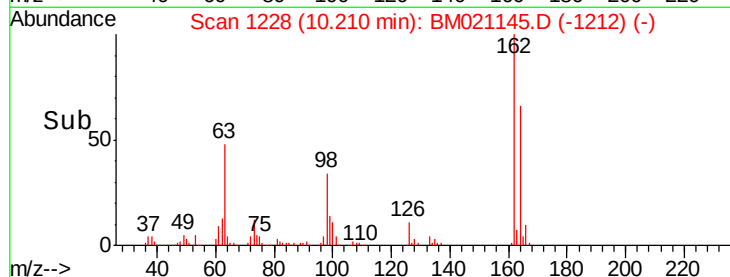
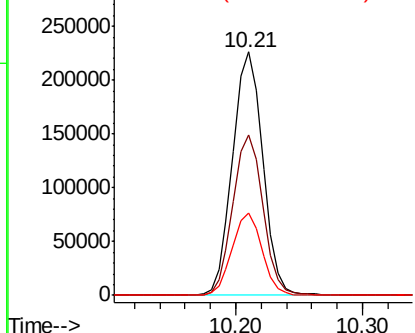
#29
2,4-Dichlorophenol
Concen: 18.228 ng
RT: 10.21 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:162 Resp: 374334
Ion Ratio Lower Upper
162 100
164 65.8 43.7 83.7
98 33.8 13.4 53.4

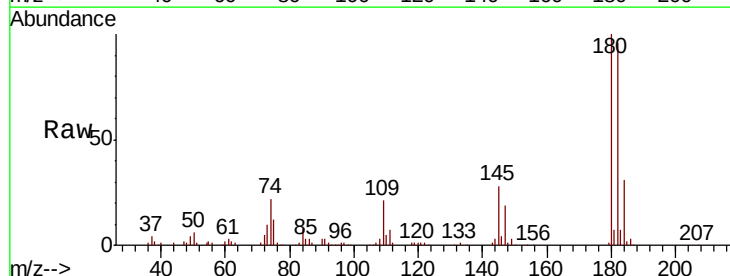


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

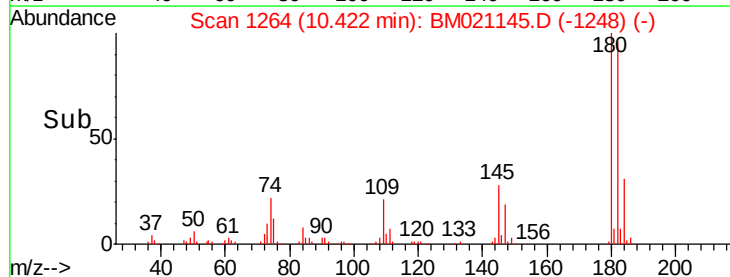
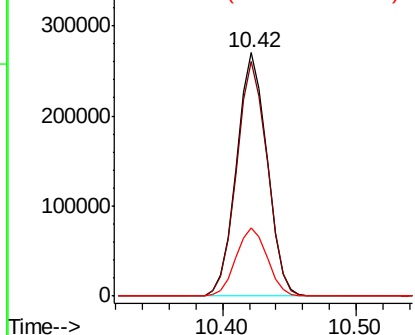


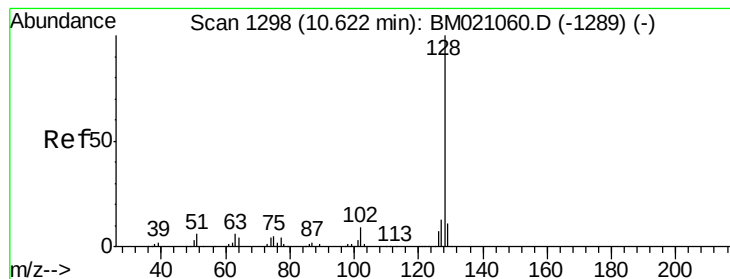
#30
1,2,4-Trichlorobenzene
Concen: 17.692 ng
RT: 10.42 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion:180 Resp: 428292
Ion Ratio Lower Upper
180 100
182 96.4 78.0 117.0
145 28.0 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 18.553 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

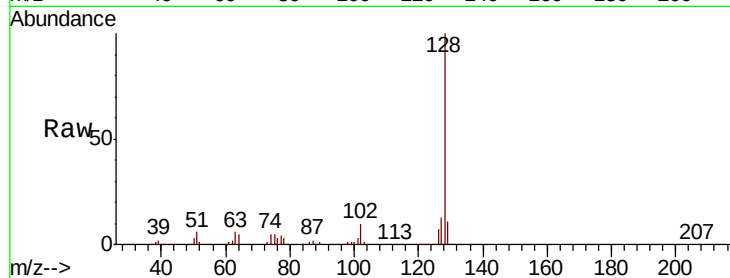
Tgt Ion:128 Resp: 1147733

Ion Ratio Lower Upper

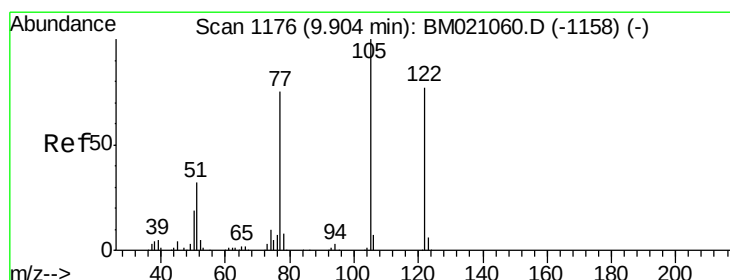
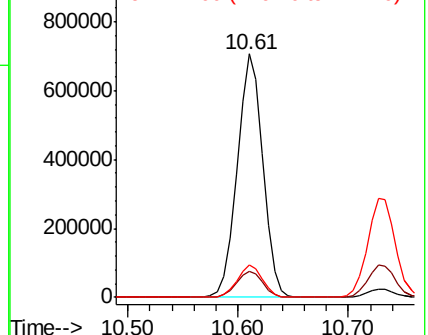
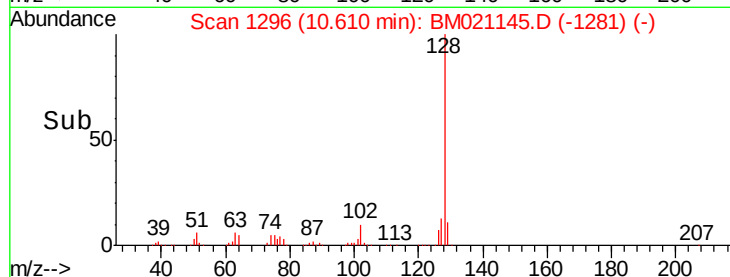
128 100

129 10.9 8.6 13.0

127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 15.696 ng

RT: 9.87 min Scan# 1170

Delta R.T. -0.04 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

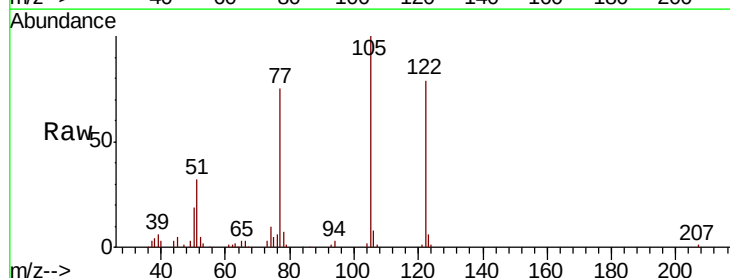
Tgt Ion:122 Resp: 201486

Ion Ratio Lower Upper

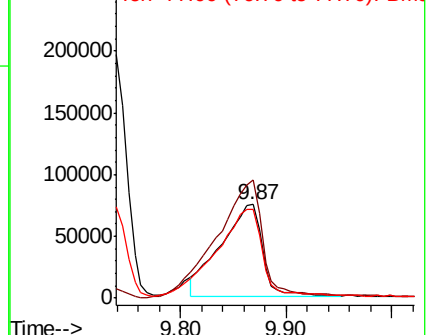
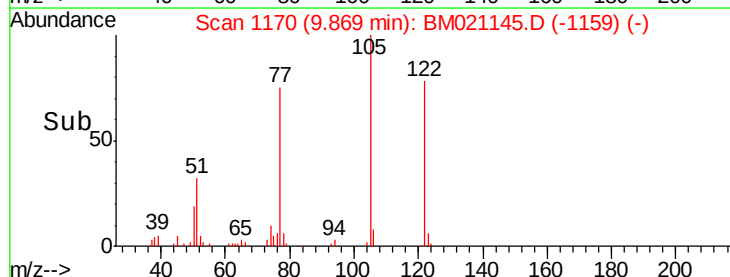
122 100

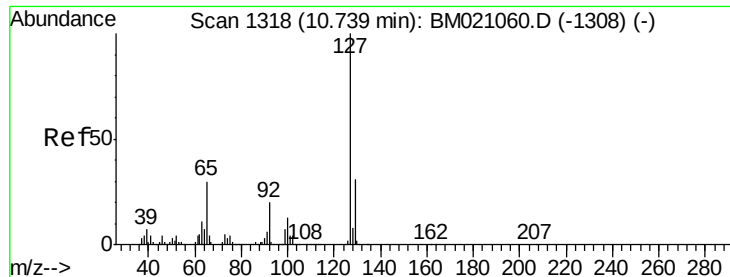
105 127.0 108.9 148.9

77 95.2 76.7 116.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM

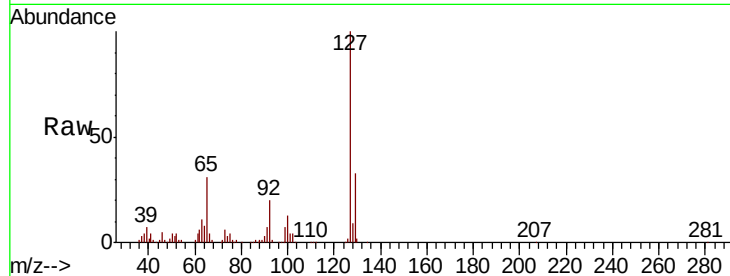




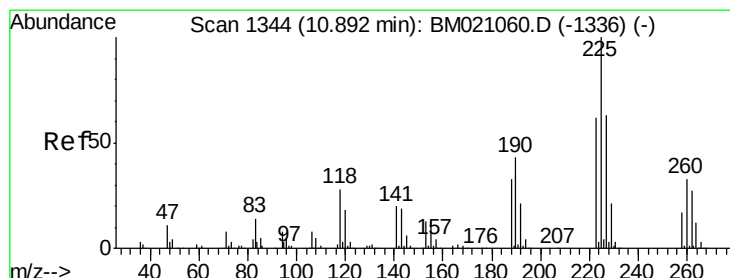
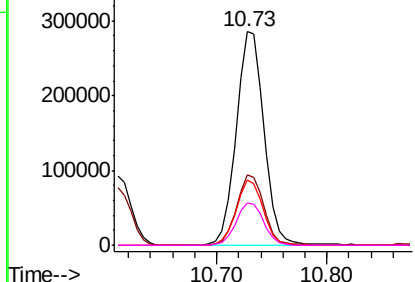
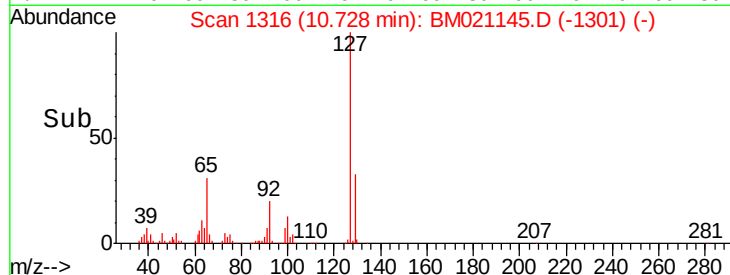
#33
4-Chloroaniline
Concen: 17.984 ng
RT: 10.73 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:	127	Resp:	505036
Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.1	37.7
65	30.6	23.8	35.8
92	19.7	15.7	23.5

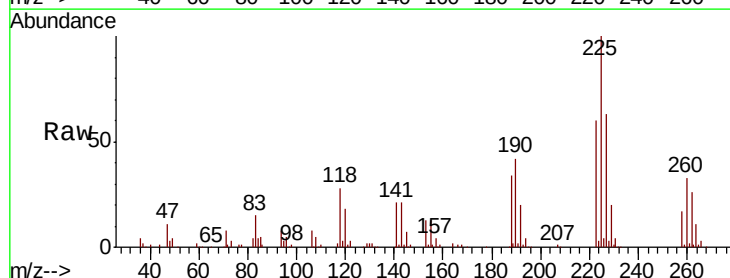


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

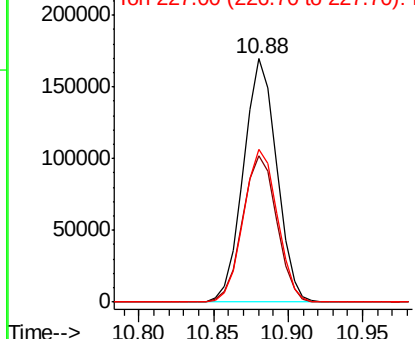
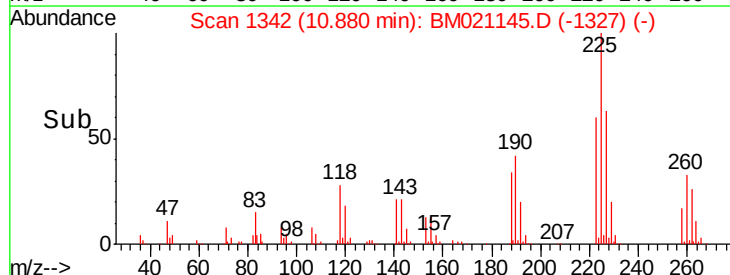


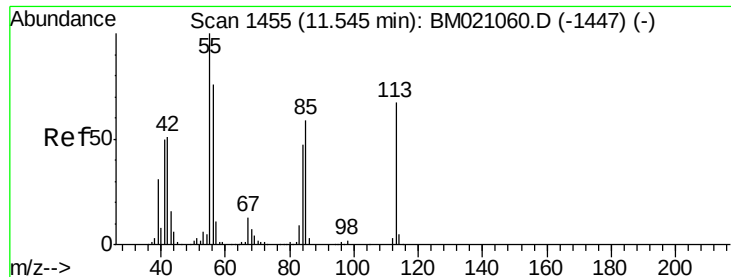
#34
Hexachlorobutadiene
Concen: 17.089 ng
RT: 10.88 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion:	225	Resp:	261211
Ion	Ratio	Lower	Upper
225	100		
223	60.1	49.6	74.4
227	62.7	50.4	75.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

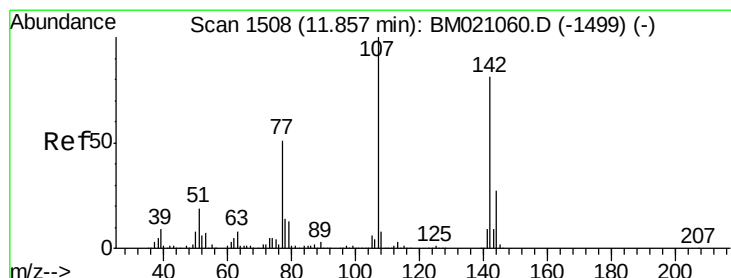
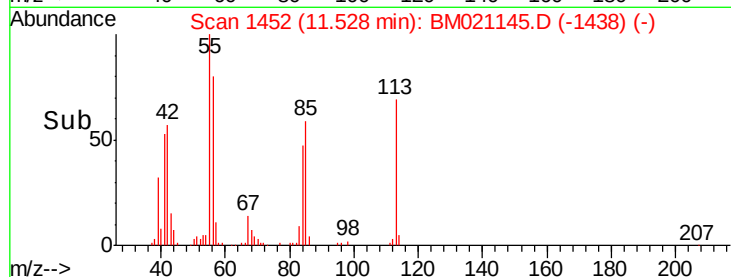
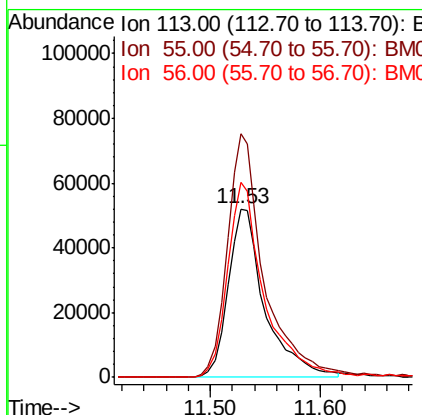
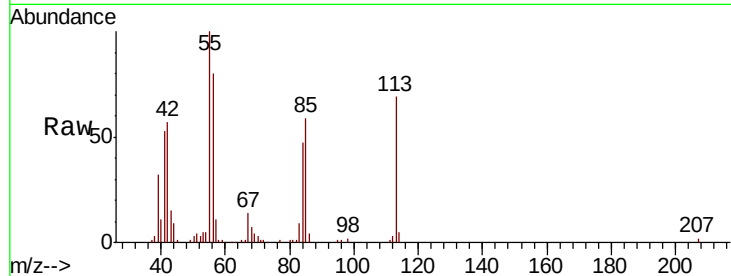




#35
 Caprolactam
 Concen: 18.839 ng
 RT: 11.53 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

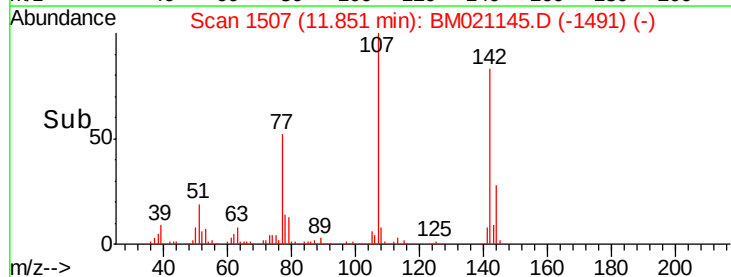
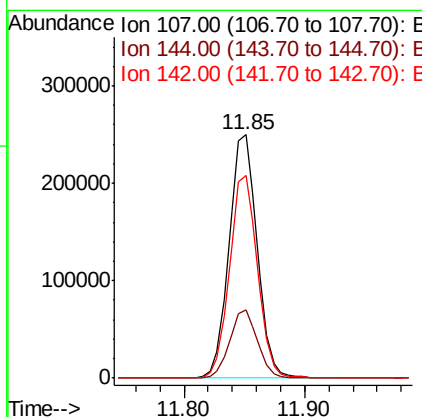
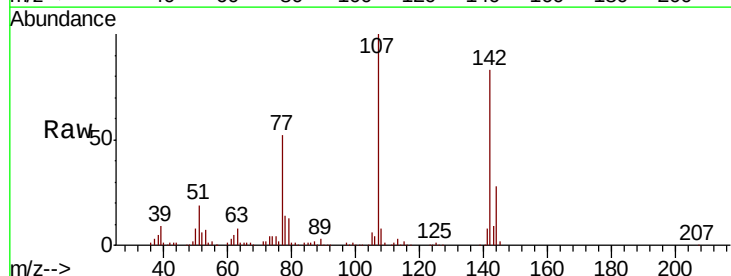
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

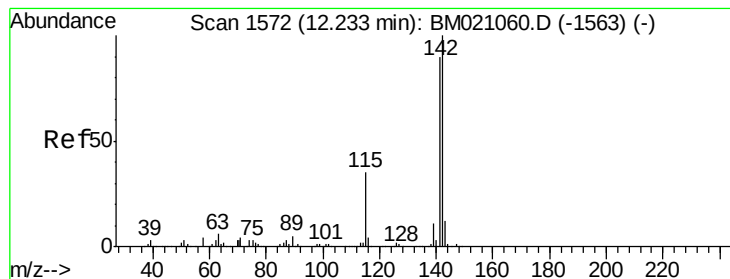
Tgt Ion:113 Resp: 121010
 Ion Ratio Lower Upper
 113 100
 55 144.5 129.8 169.8
 56 115.9 94.3 134.3



#36
 4-Chloro-3-methylphenol
 Concen: 19.384 ng
 RT: 11.85 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Tgt Ion:107 Resp: 405072
 Ion Ratio Lower Upper
 107 100
 144 27.9 21.3 31.9
 142 83.5 64.9 97.3





#37

2-Methylnaphthalene

Concen: 19.341 ng

RT: 12.22 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

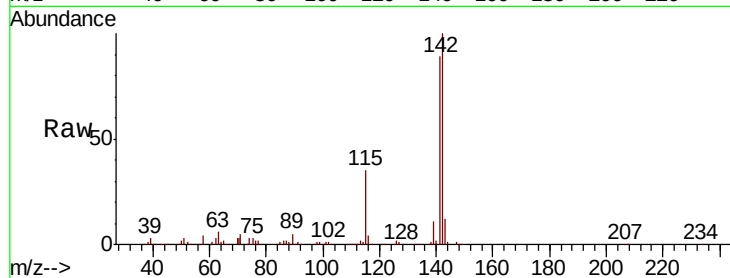
Tgt Ion:142 Resp: 920603

Ion Ratio Lower Upper

142 100

141 88.5 72.2 108.2

115 35.1 27.9 41.9

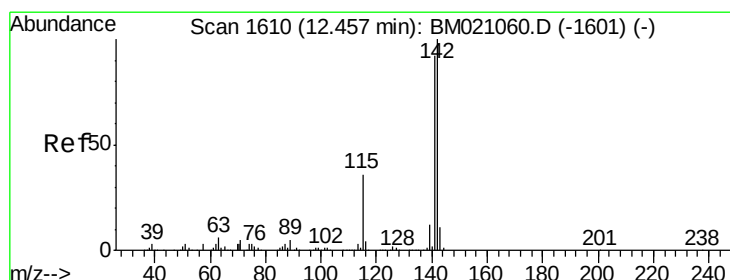
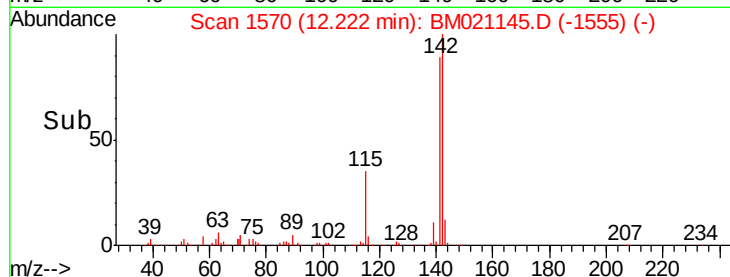
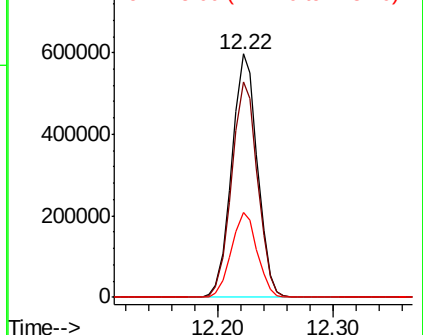


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 19.520 ng

RT: 12.45 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

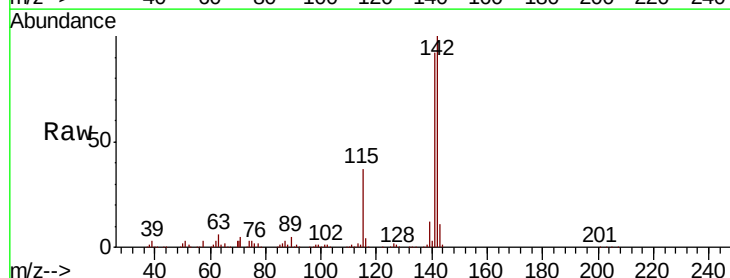
Tgt Ion:142 Resp: 886197

Ion Ratio Lower Upper

142 100

141 92.0 73.9 110.9

116 3.8 3.0 4.6

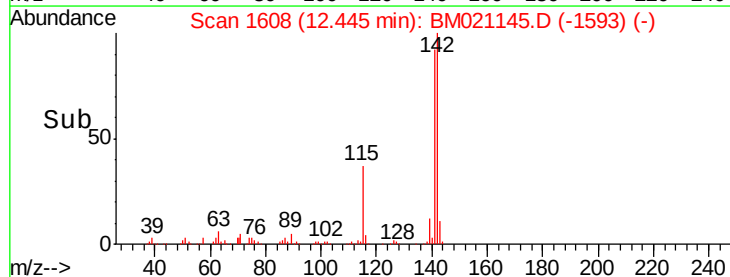
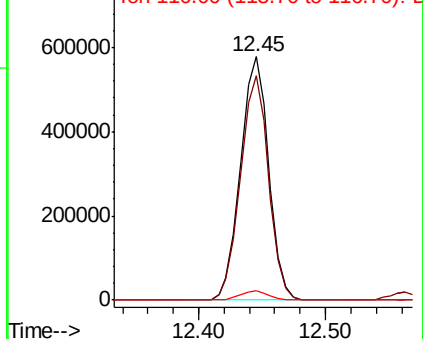


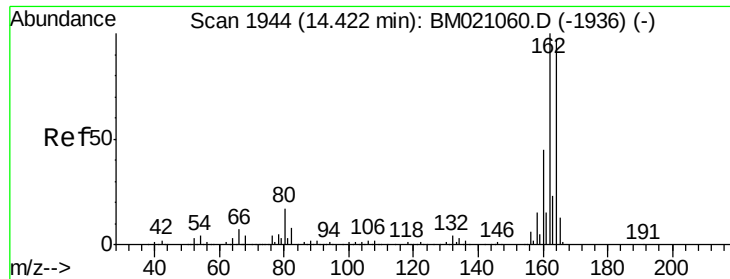
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.41 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

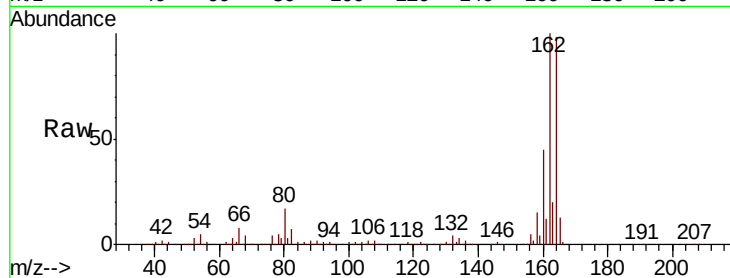
Tgt Ion:164 Resp: 808466

Ion Ratio Lower Upper

164 100

162 101.7 82.1 123.1

160 45.6 37.1 55.7

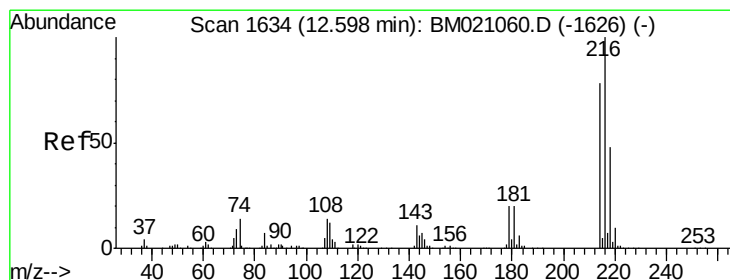
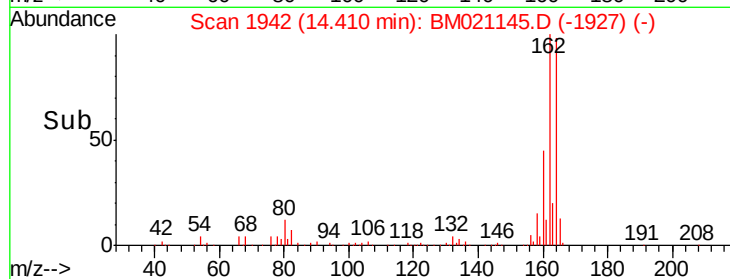
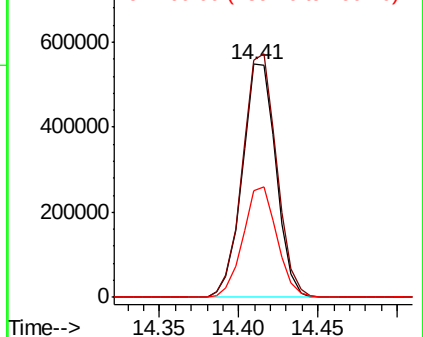


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 18.526 ng

RT: 12.59 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Tgt Ion:216 Resp: 566916

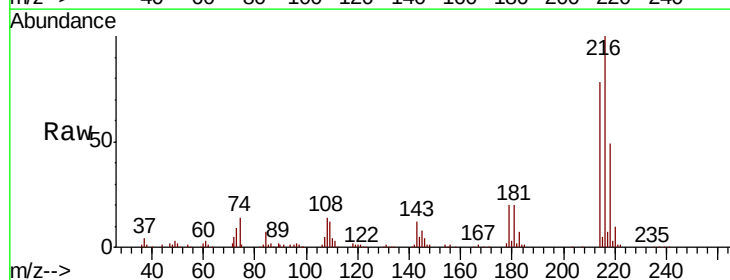
Ion Ratio Lower Upper

216 100

214 78.8 63.0 94.6

179 20.6 16.4 24.6

108 15.4 12.5 18.7



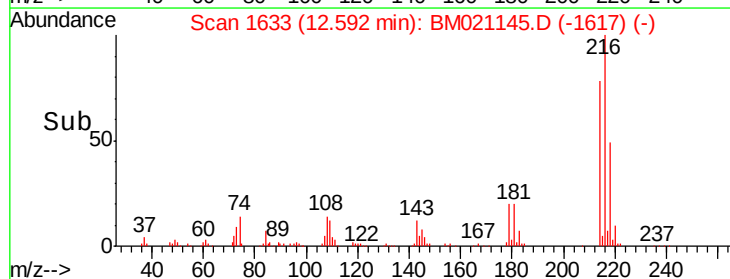
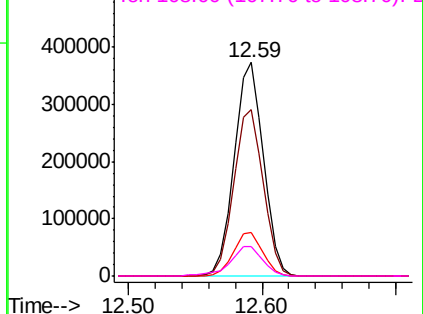
Abundance

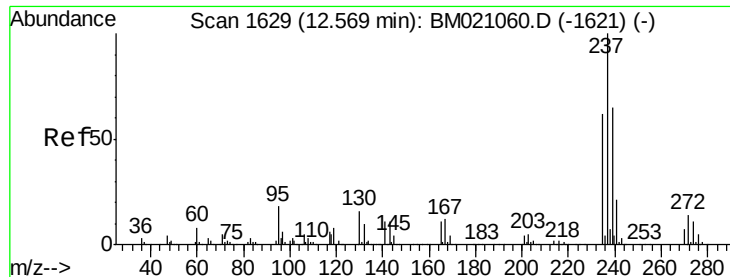
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 14.174 ng

RT: 12.56 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

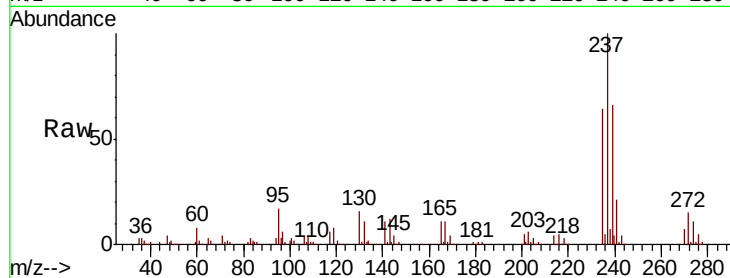
Tgt Ion: 237 Resp: 251429

Ion Ratio Lower Upper

237 100

235 63.7 41.7 81.7

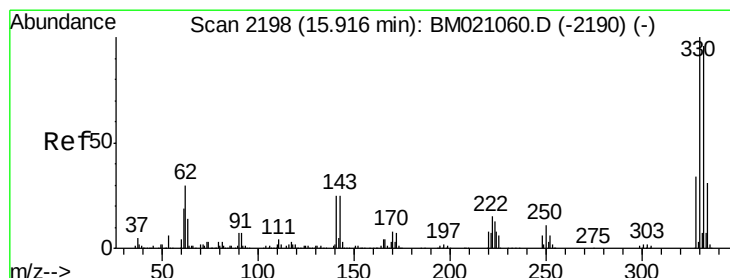
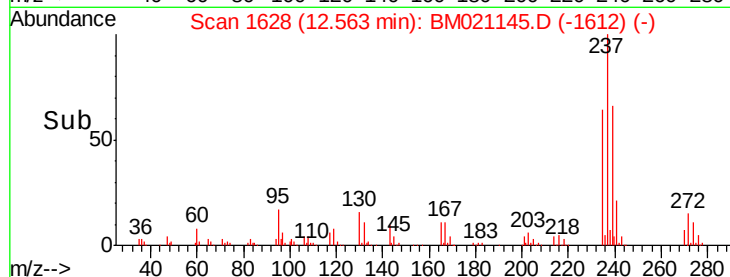
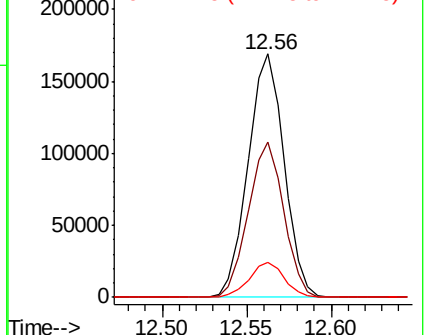
272 14.5 0.0 34.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 84.553 ng

RT: 15.91 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

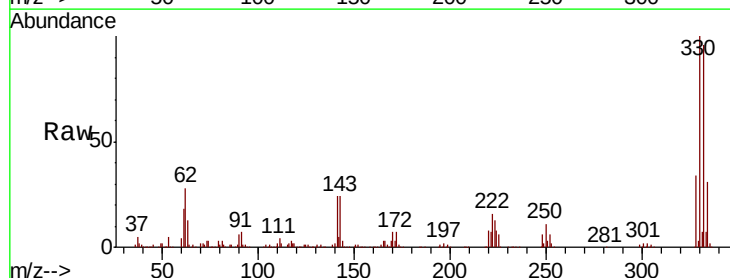
Tgt Ion: 330 Resp: 1282715

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

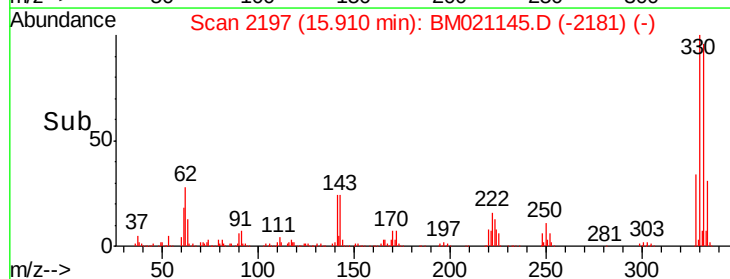
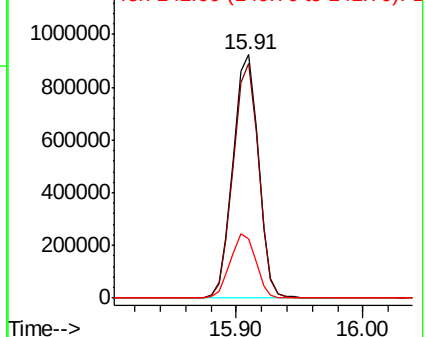
141 26.8 21.8 32.8

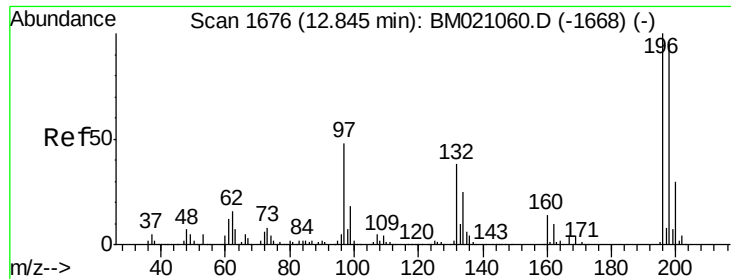


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

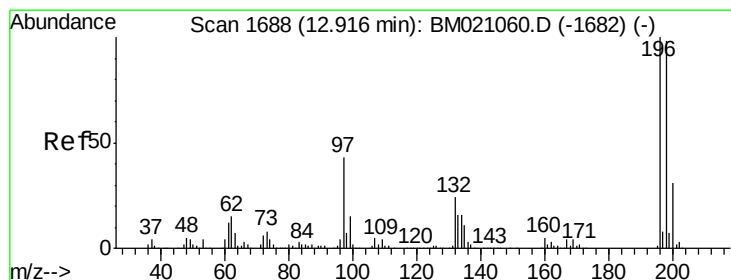
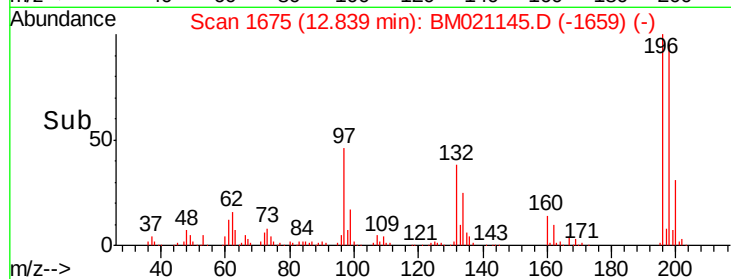
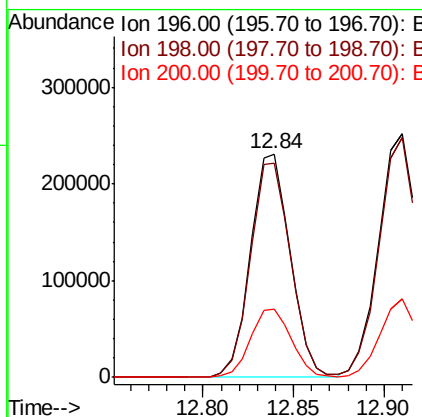
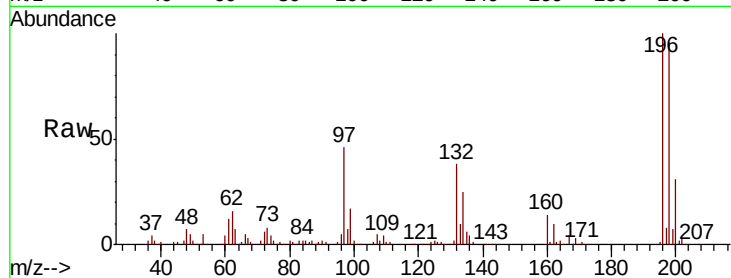




#43
 2,4,6-Trichlorophenol
 Concen: 17.408 ng
 RT: 12.84 min Scan# 1675
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

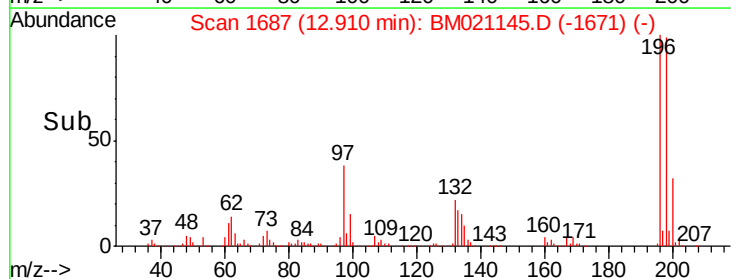
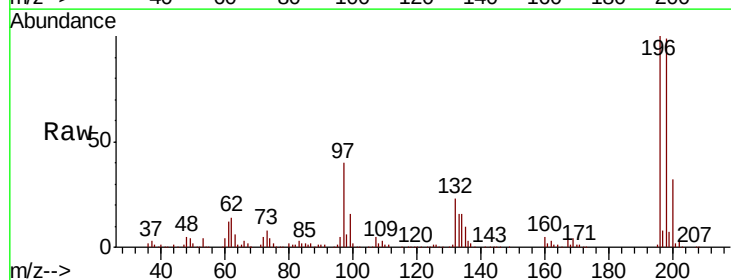
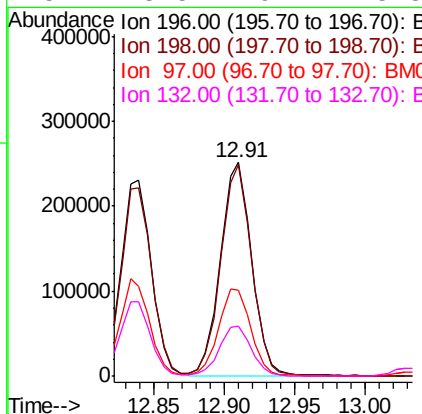
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

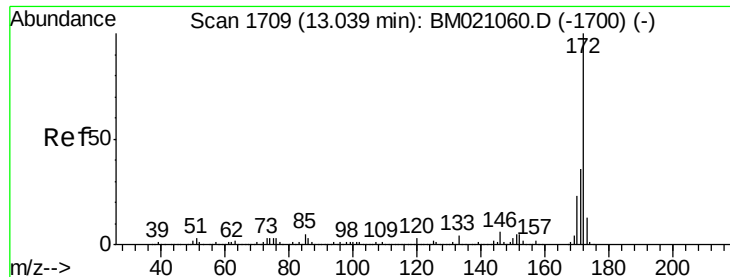
Tgt Ion:196 Resp: 352488
 Ion Ratio Lower Upper
 196 100
 198 95.8 76.7 115.1
 200 30.8 24.2 36.4



#44
 2,4,5-Trichlorophenol
 Concen: 18.383 ng
 RT: 12.91 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Tgt Ion:196 Resp: 385470
 Ion Ratio Lower Upper
 196 100
 198 98.7 78.2 117.4
 97 40.3 34.1 51.1
 132 23.5 19.2 28.8

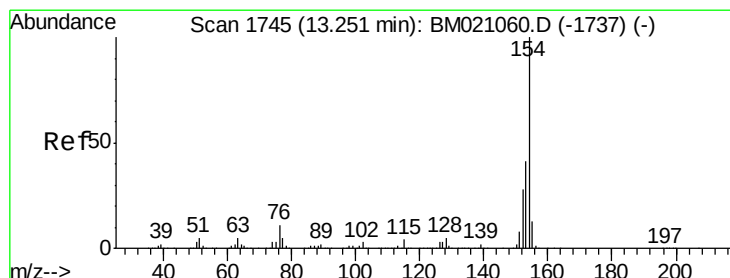
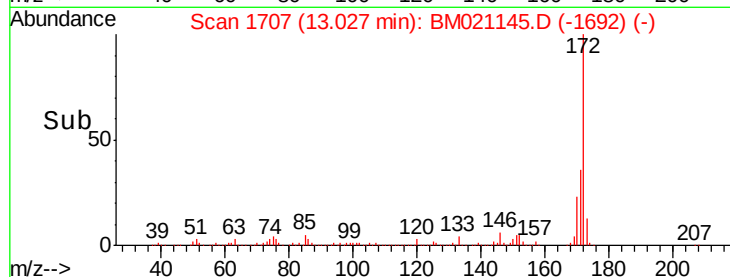
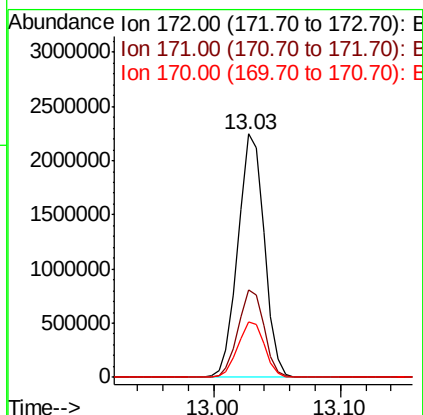
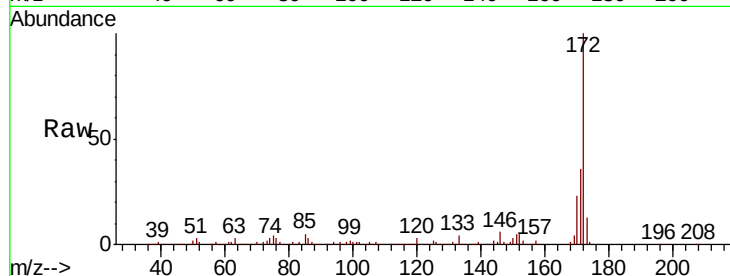




#45
2-Fluorobiphenyl
Concen: 48.849 ng
RT: 13.03 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

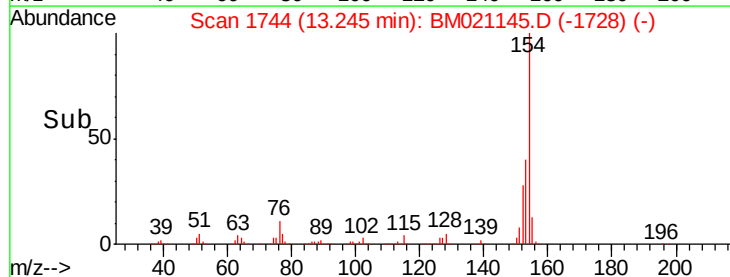
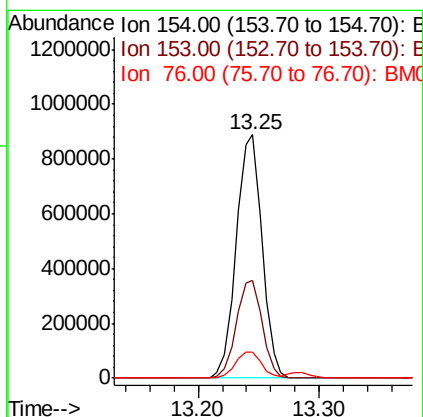
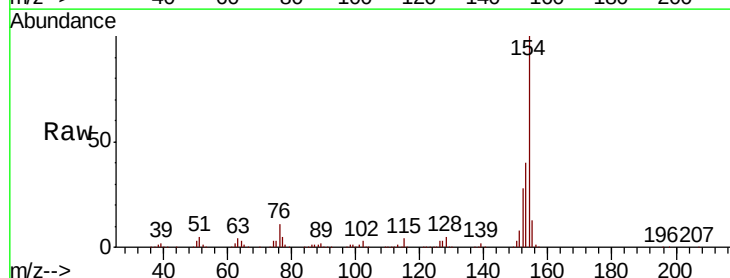
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

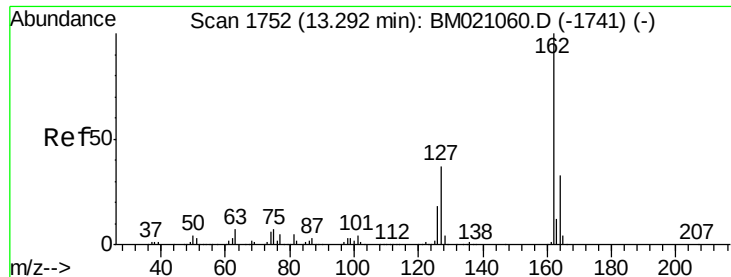
Tgt Ion:172 Resp: 3213380
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.0 18.7 28.1



#46
1,1'-Biphenyl
Concen: 19.140 ng
RT: 13.25 min Scan# 1744
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion:154 Resp: 1324367
Ion Ratio Lower Upper
154 100
153 40.3 21.3 61.3
76 10.8 0.0 30.9

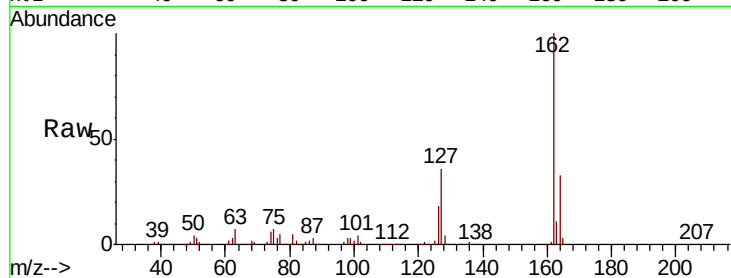




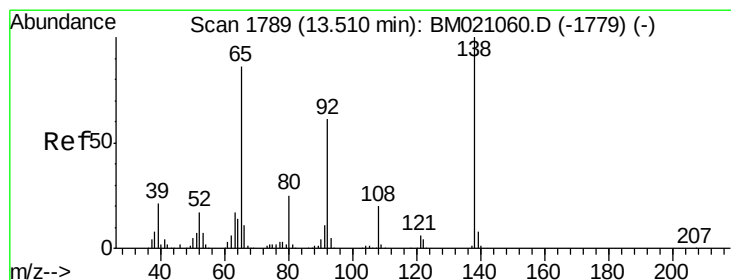
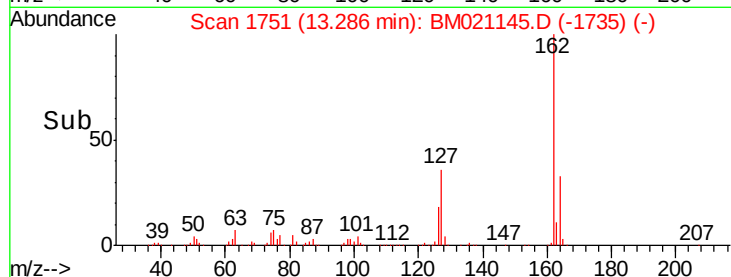
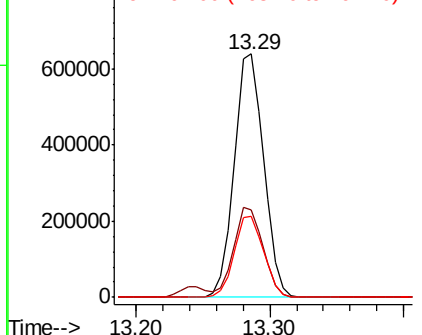
#47
2-Chloronaphthalene
Concen: 17.430 ng
RT: 13.29 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.0	29.4	44.2
164	33.3	26.5	39.7

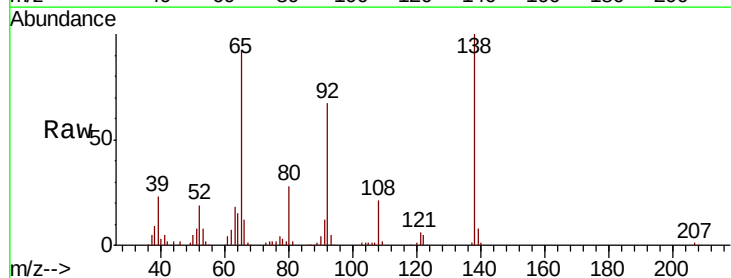


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

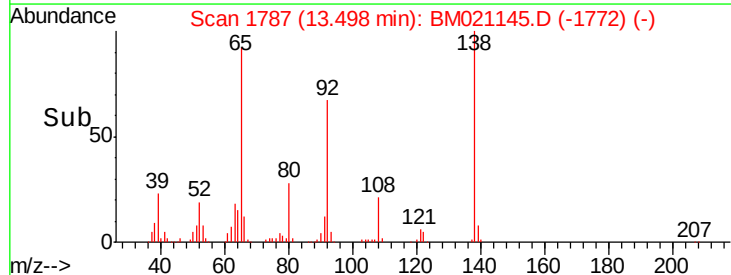
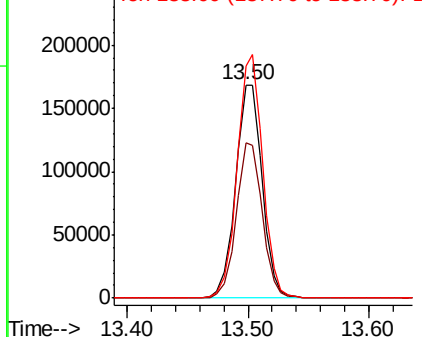


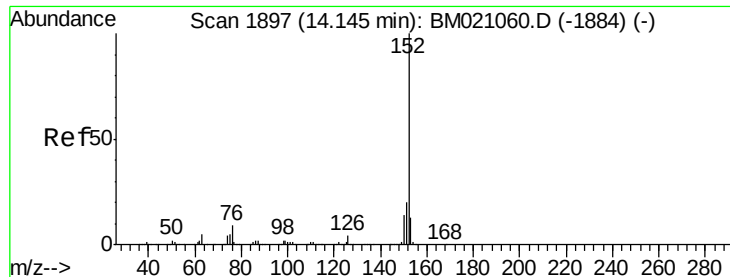
#48
2-Nitroaniline
Concen: 16.814 ng
RT: 13.50 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.0	56.3	84.5
138	108.9	92.6	139.0



Abundance Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 18.436 ng

RT: 14.13 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

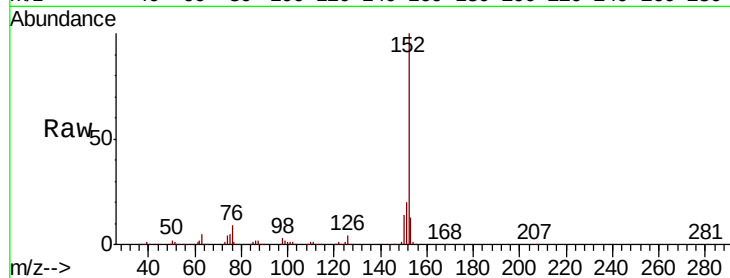
Tgt Ion:152 Resp: 1576720

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

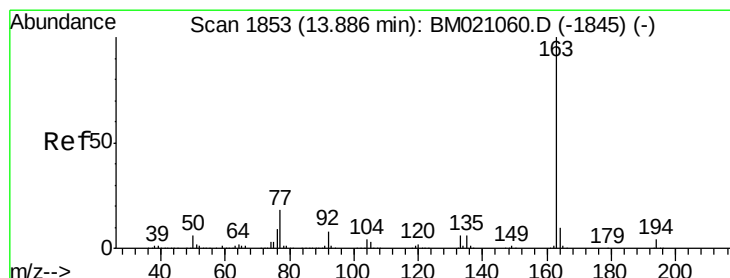
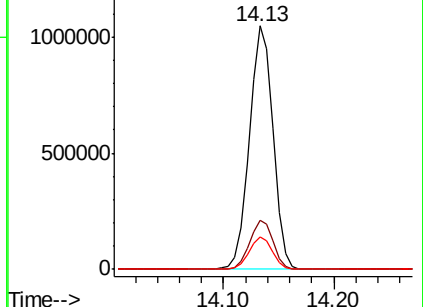
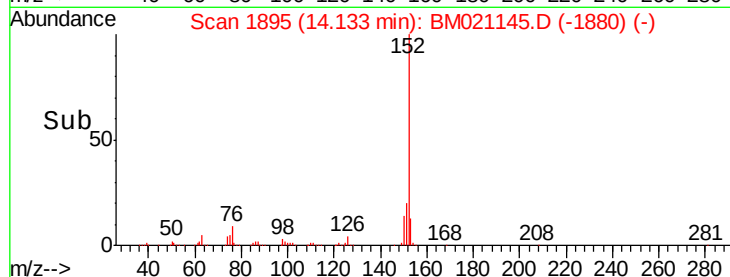
153 13.1 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 18.080 ng

RT: 13.87 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

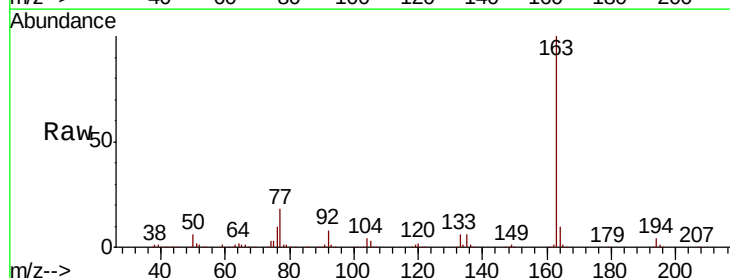
Tgt Ion:163 Resp: 1299616

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

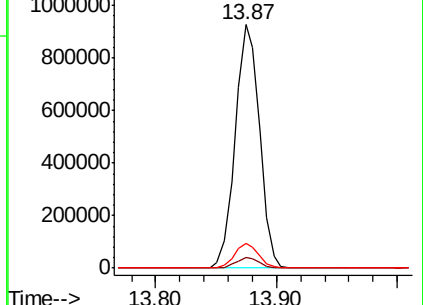
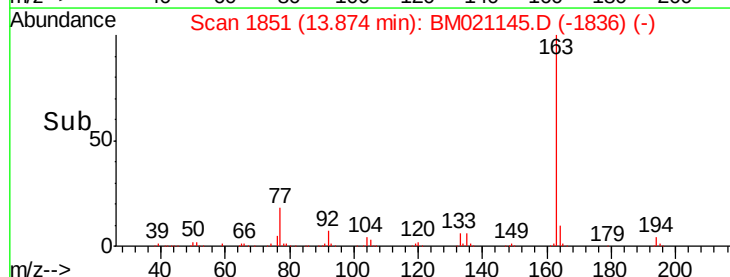
164 10.0 8.2 12.2

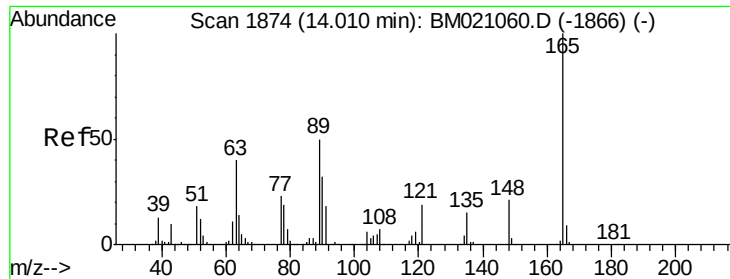


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

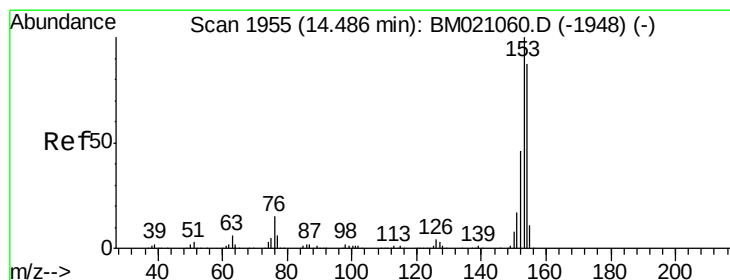
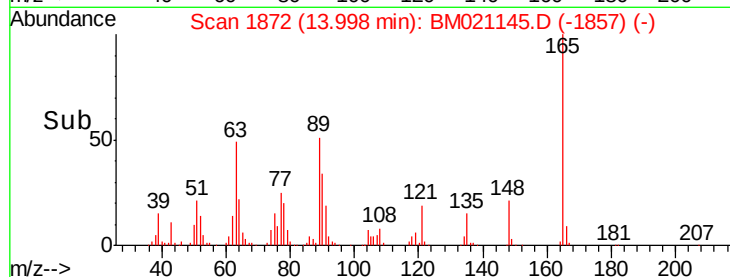
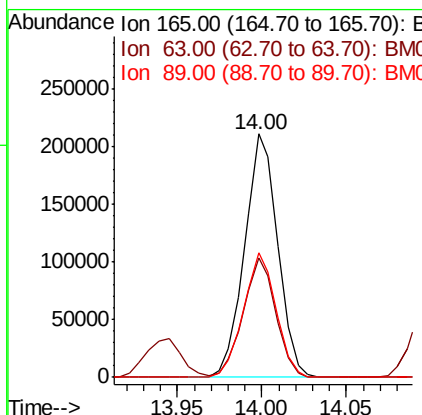
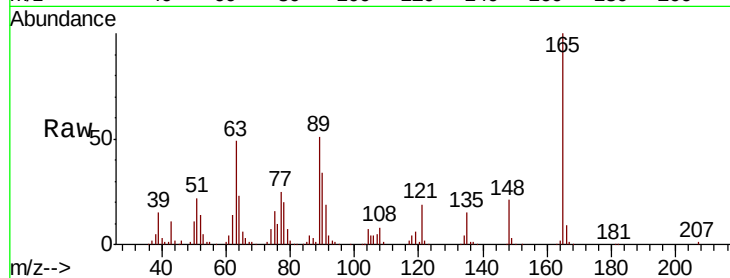




#51
 2,6-Dinitrotoluene
 Concen: 18.583 ng
 RT: 14.00 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

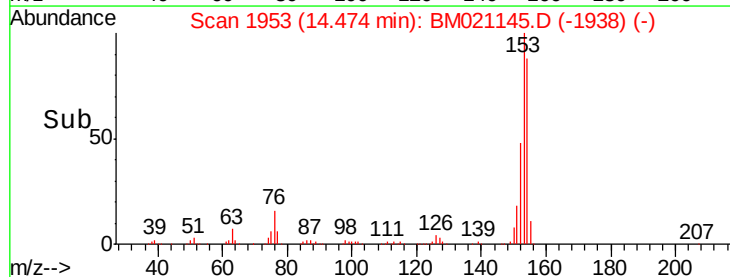
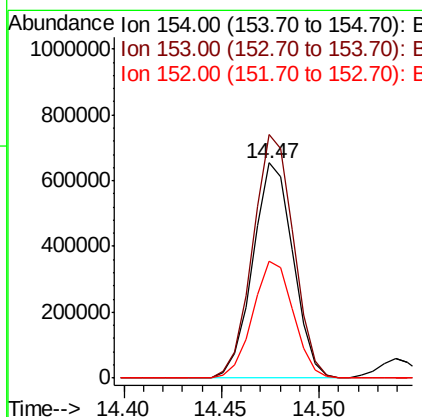
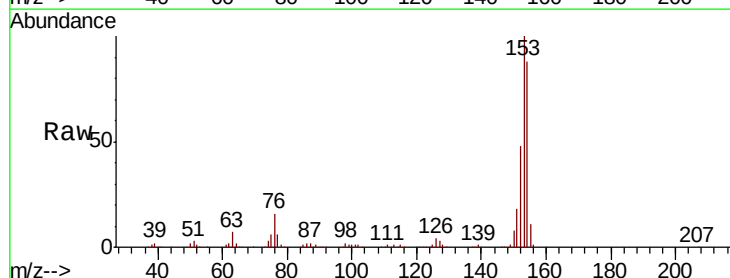
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

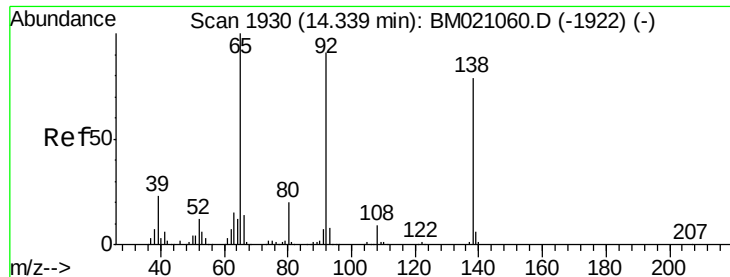
Tgt Ion:165 Resp: 287363
 Ion Ratio Lower Upper
 165 100
 63 48.9 37.8 56.6
 89 51.1 39.7 59.5



#52
 Acenaphthene
 Concen: 18.099 ng
 RT: 14.47 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Tgt Ion:154 Resp: 933910
 Ion Ratio Lower Upper
 154 100
 153 113.3 91.5 137.3
 152 54.3 42.3 63.5





#53

3-Nitroaniline

Concen: 16.878 ng

RT: 14.33 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

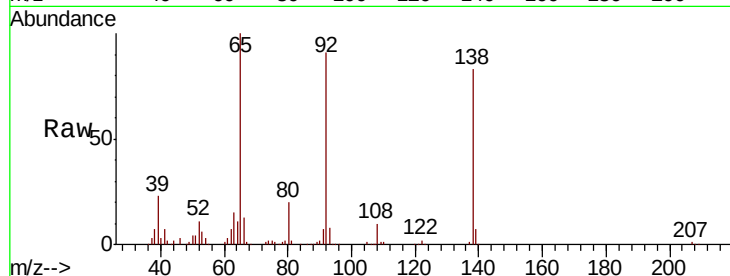
Tgt Ion:138 Resp: 266076

Ion Ratio Lower Upper

138 100

108 11.6 9.0 13.4

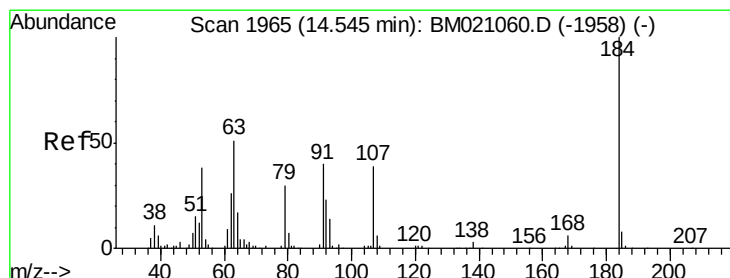
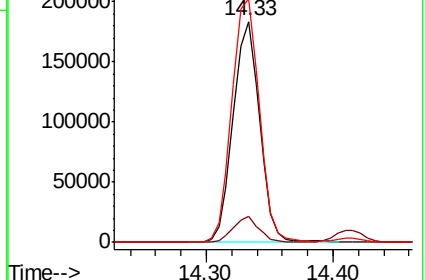
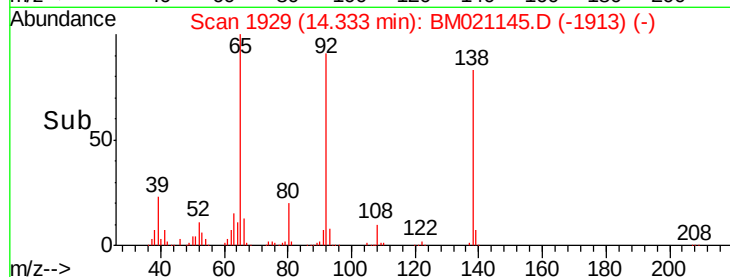
92 110.2 92.2 138.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54

2,4-Dinitrophenol

Concen: 15.186 ng

RT: 14.54 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

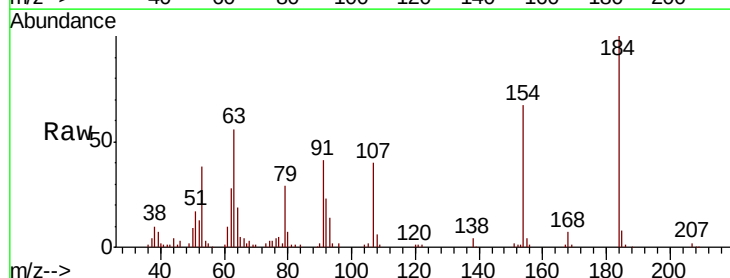
Tgt Ion:184 Resp: 126143

Ion Ratio Lower Upper

184 100

63 55.9 45.5 68.3

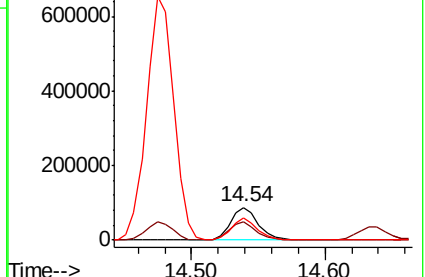
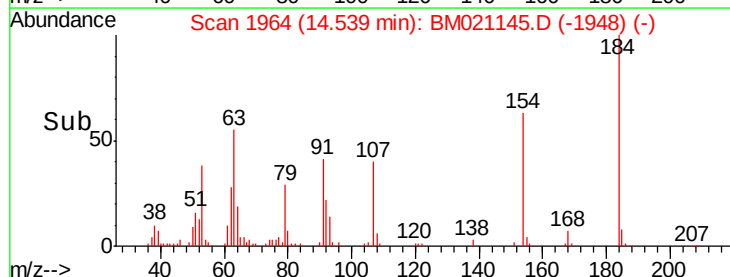
154 66.5 50.6 76.0

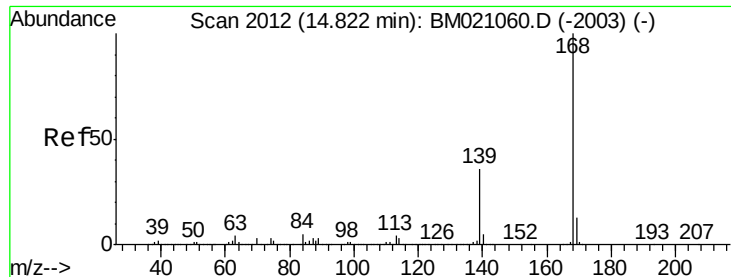


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 18.816 ng

RT: 14.81 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

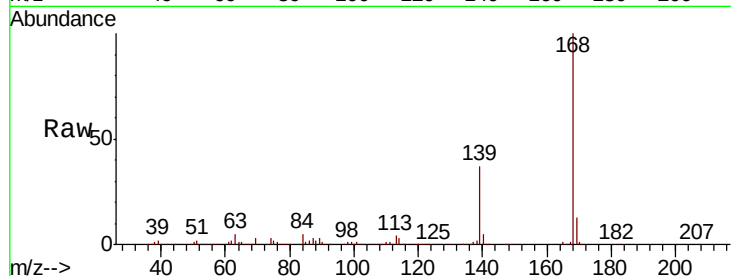
Tgt Ion:168 Resp: 1583822

Ion Ratio Lower Upper

168 100

139 36.6 28.4 42.6

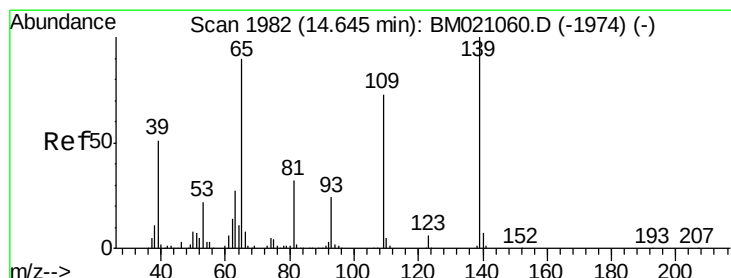
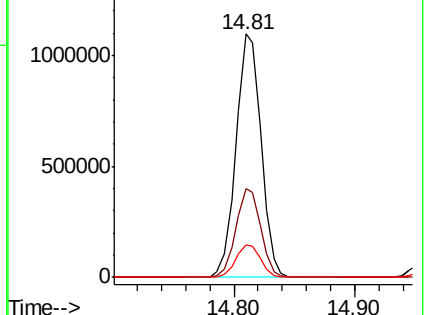
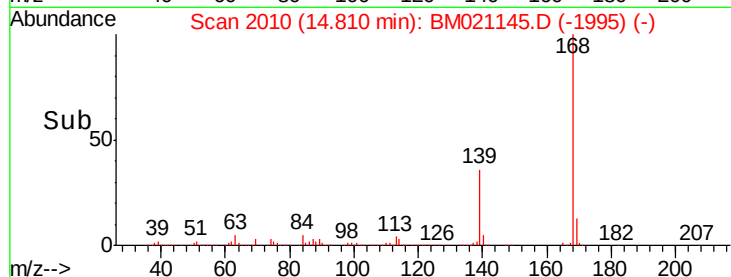
169 13.4 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 16.588 ng

RT: 14.64 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

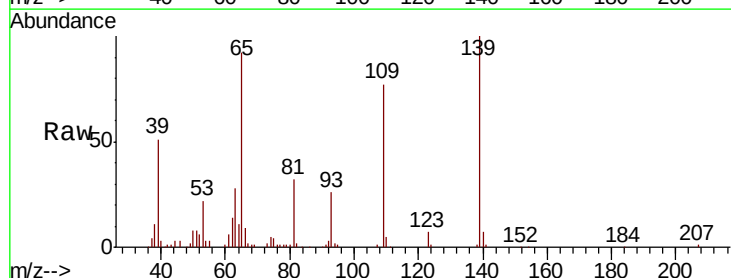
Tgt Ion:139 Resp: 199967

Ion Ratio Lower Upper

139 100

109 76.8 53.3 93.3

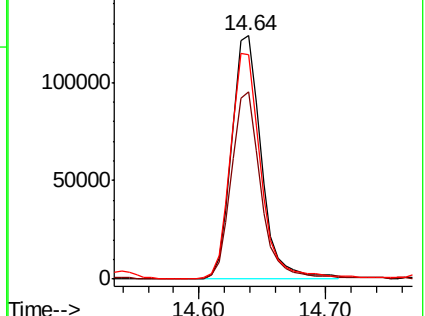
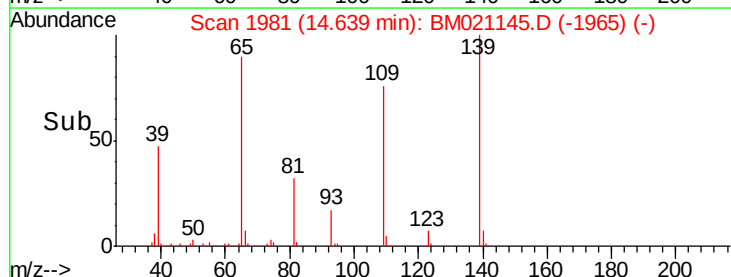
65 92.3 70.3 110.3

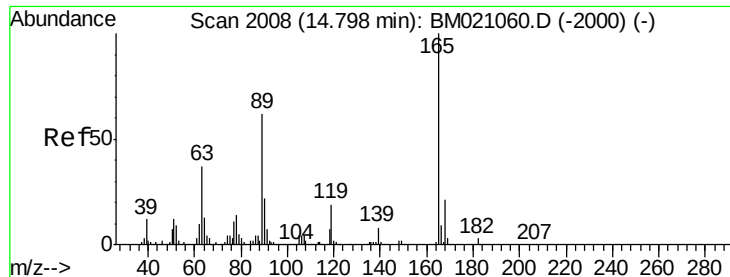


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

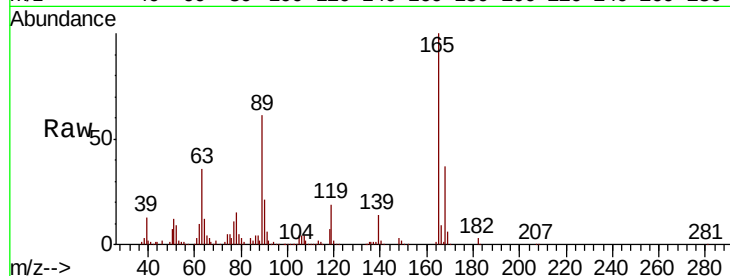




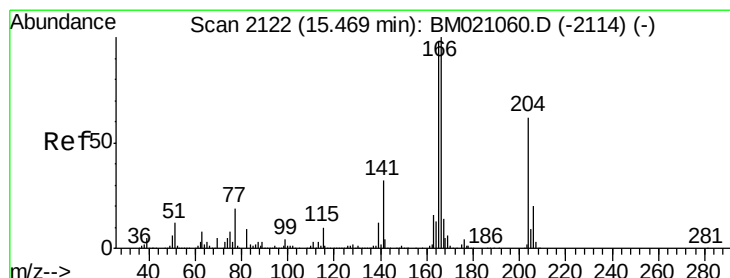
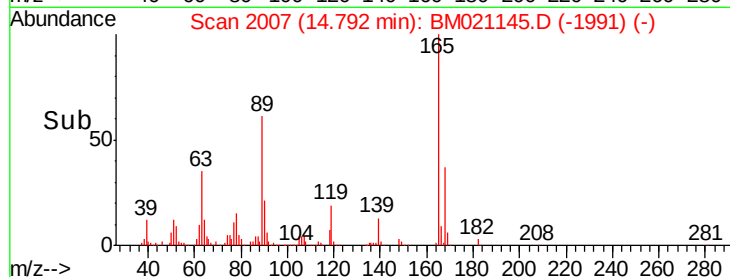
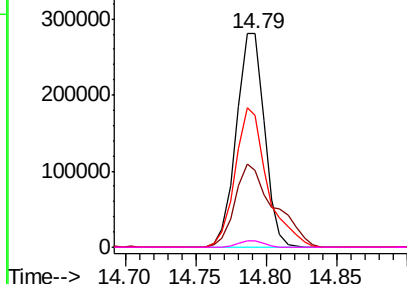
#57
2,4-Dinitrotoluene
Concen: 18.307 ng
RT: 14.79 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:	165	Resp:	390916
Ion	Ratio	Lower	Upper
165	100		
63	35.7	29.6	44.4
89	61.5	49.5	74.3
182	2.8	2.4	3.6

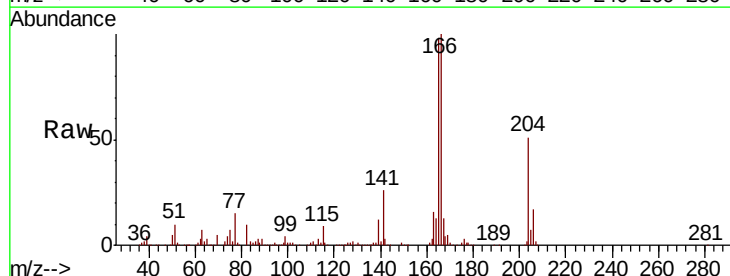


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 89.00 (88.70 to 89.70): BM
Ion 182.00 (181.70 to 182.70): E

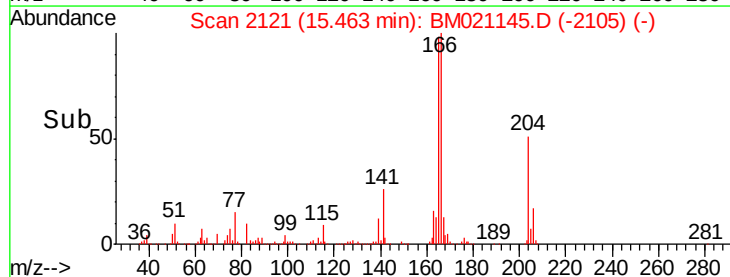
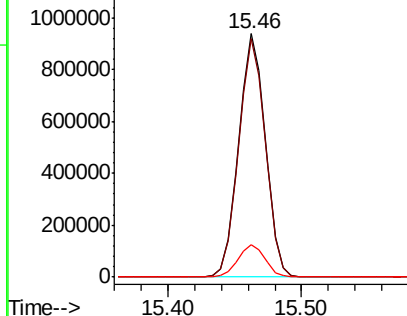


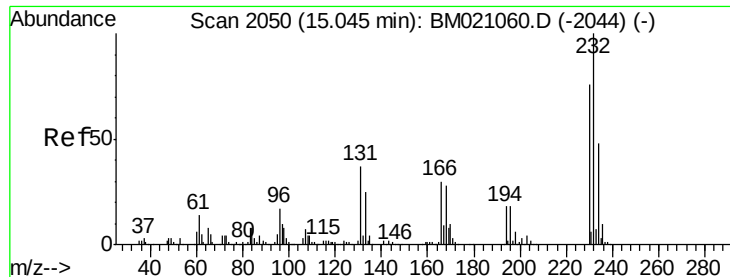
#58
Fluorene
Concen: 18.816 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion:	166	Resp:	1294105
Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.6	117.8
167	13.2	10.9	16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

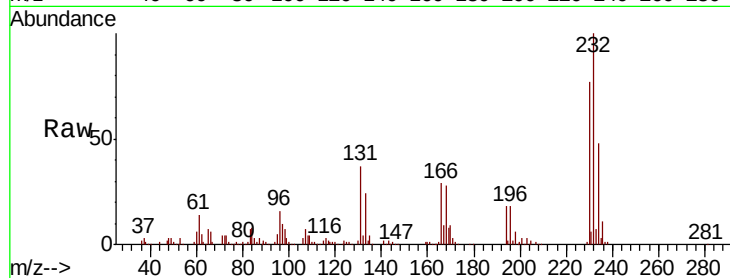




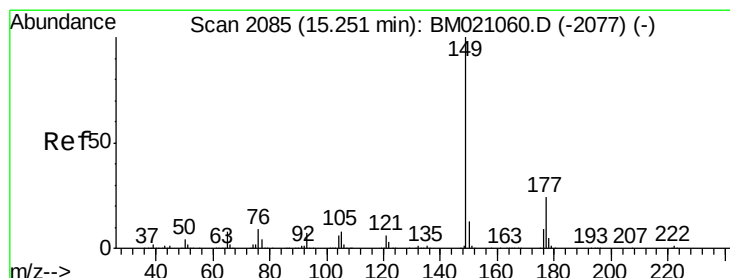
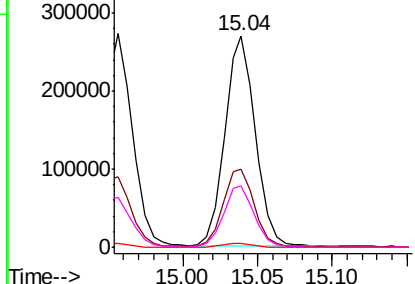
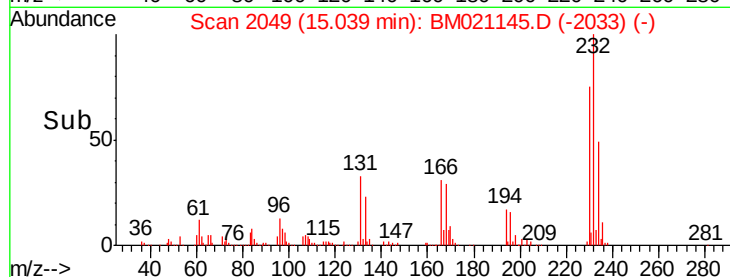
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.139 ng
RT: 15.04 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:	232	Resp:	383442
Ion	Ratio	Lower	Upper
232	100		
131	38.1	30.6	46.0
130	2.0	1.7	2.5
166	29.1	23.4	35.0

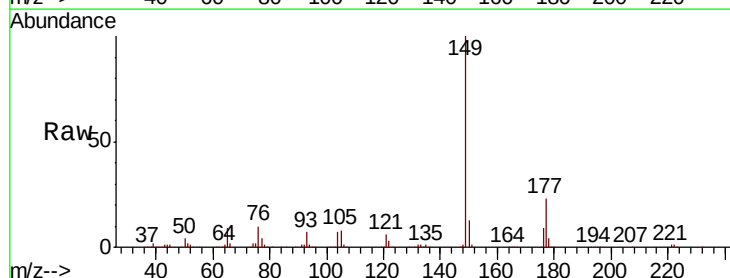


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

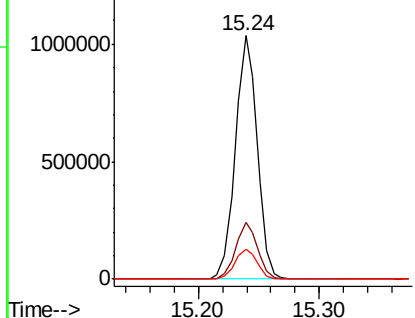
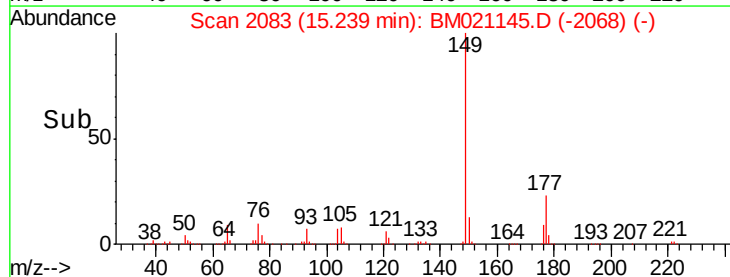


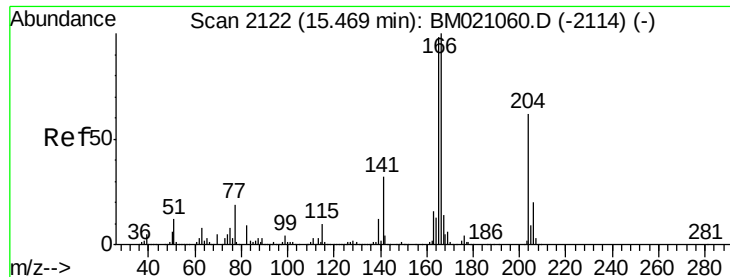
#60
Diethylphthalate
Concen: 18.433 ng
RT: 15.24 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion:	149	Resp:	1304969
Ion	Ratio	Lower	Upper
149	100		
177	23.4	19.1	28.7
150	12.5	10.1	15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

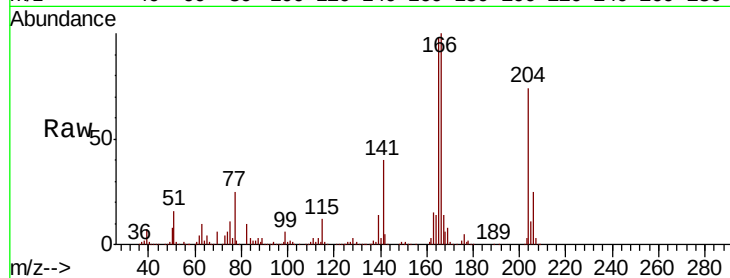




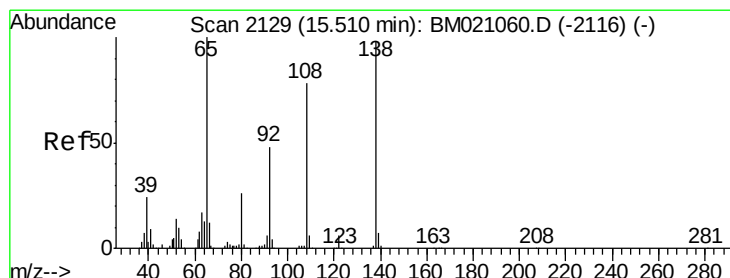
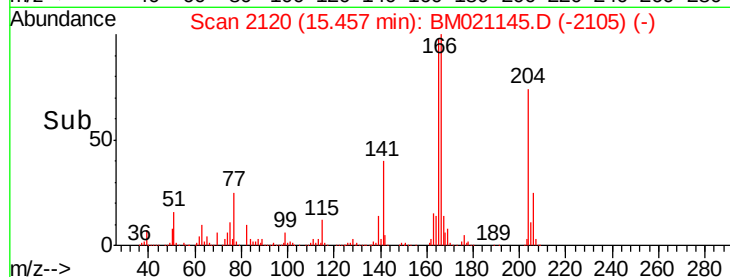
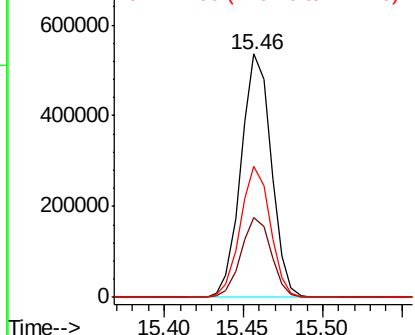
#61
4-Chlorophenyl-phenylether
Concen: 18.279 ng
RT: 15.46 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 204 Resp: 710233
Ion Ratio Lower Upper
204 100
206 33.0 26.1 39.1
141 53.9 40.7 61.1

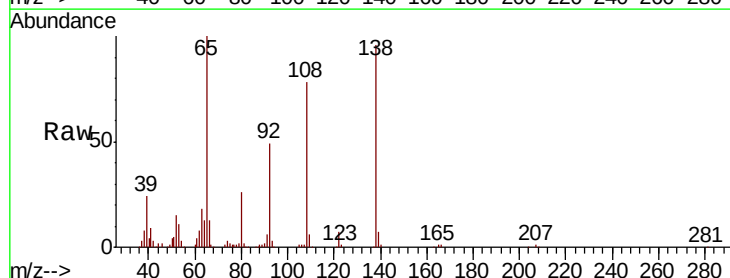


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

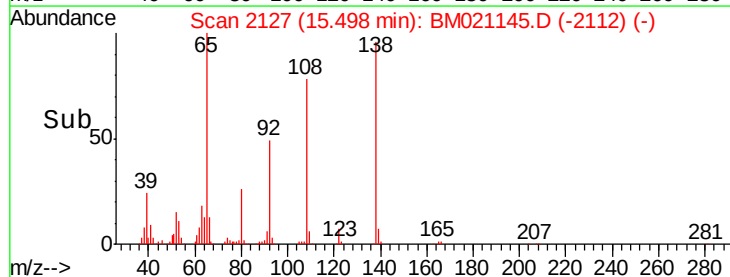
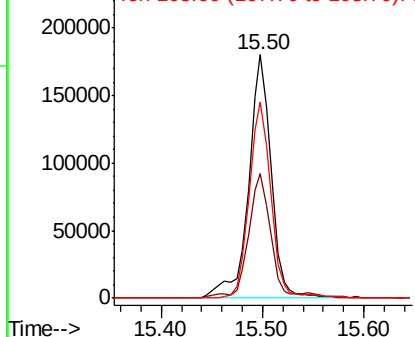


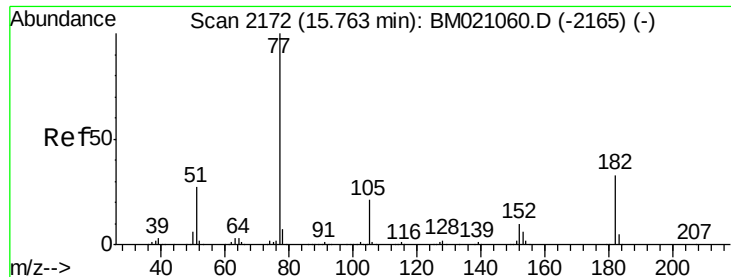
#62
4-Nitroaniline
Concen: 16.808 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion: 138 Resp: 278112
Ion Ratio Lower Upper
138 100
92 51.1 29.1 69.1
108 80.8 59.2 99.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

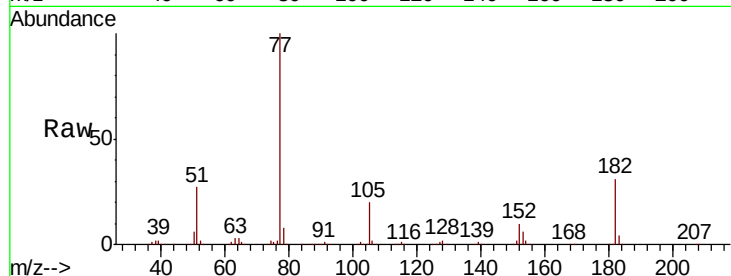




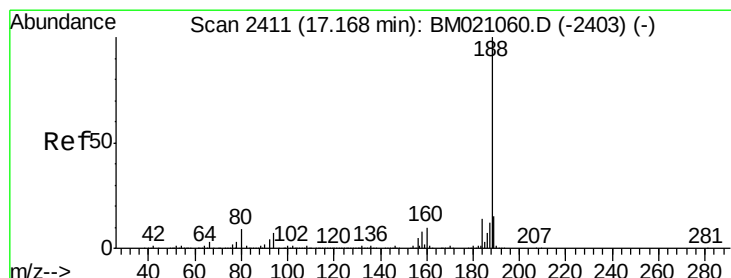
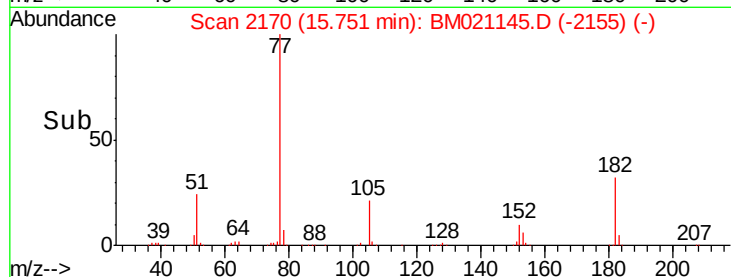
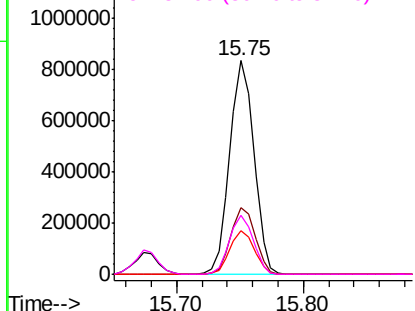
#63
Azobenzene
Concen: 18.908 ng
RT: 15.75 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion: 77 Resp: 1097995
Ion Ratio Lower Upper
77 100
182 30.9 12.6 52.6
105 20.1 1.1 41.1
51 27.4 6.9 46.9

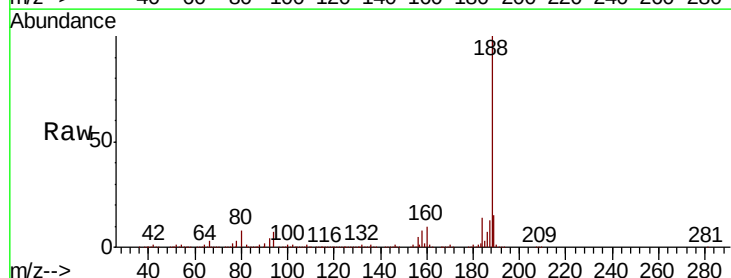


Abundance Ion 77.00 (76.70 to 77.70): BM021145.D (-2155) (-)
Ion 182.00 (181.70 to 182.70): BM021145.D (-2155) (-)
Ion 105.00 (104.70 to 105.70): BM021145.D (-2155) (-)
Ion 51.00 (50.70 to 51.70): BM021145.D (-2155) (-)

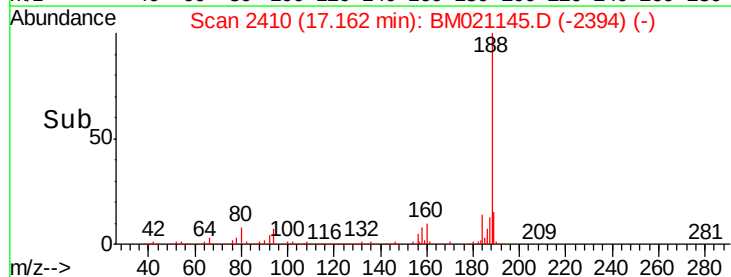
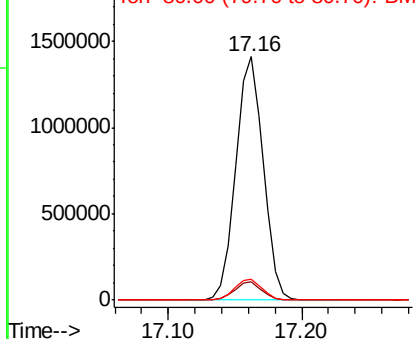


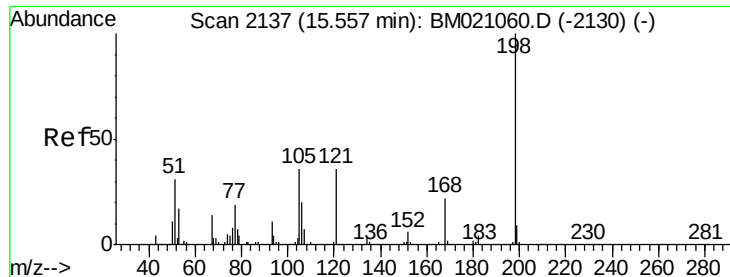
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2410
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion: 188 Resp: 2012587
Ion Ratio Lower Upper
188 100
94 7.5 5.8 8.8
80 8.4 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): BM021145.D (-2394) (-)
Ion 94.00 (93.70 to 94.70): BM021145.D (-2394) (-)
Ion 80.00 (79.70 to 80.70): BM021145.D (-2394) (-)

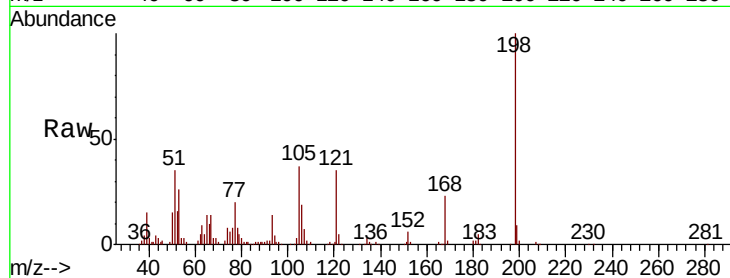




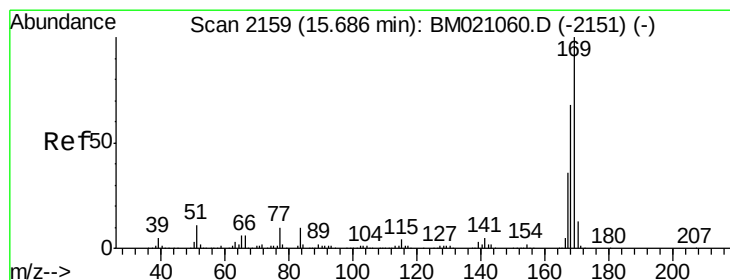
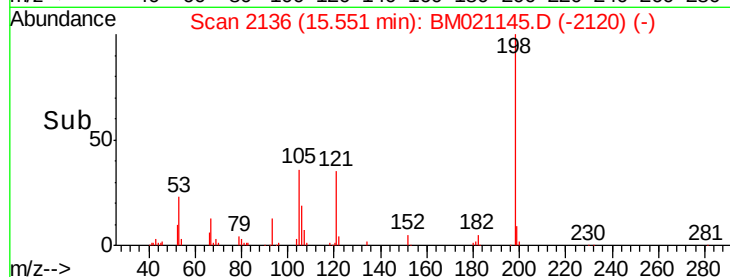
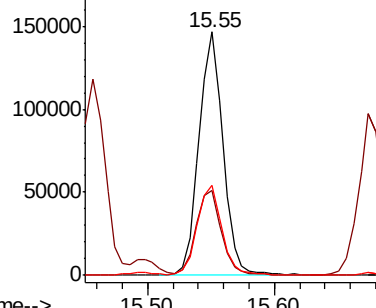
#65
4,6-Dinitro-2-methylphenol
Concen: 15.471 ng
RT: 15.55 min Scan# 2136
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion	Ratio	Lower	Upper
198	100		
51	34.7	15.3	55.3
105	36.7	16.8	56.8

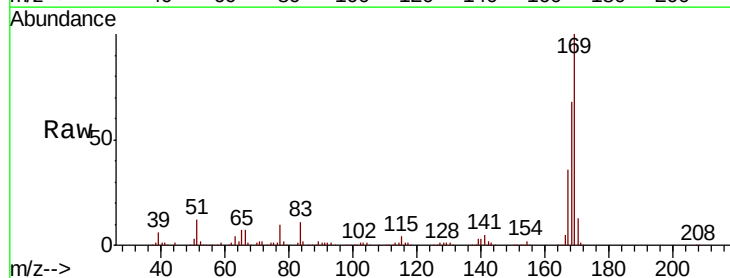


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BM
Ion 105.00 (104.70 to 105.70): E

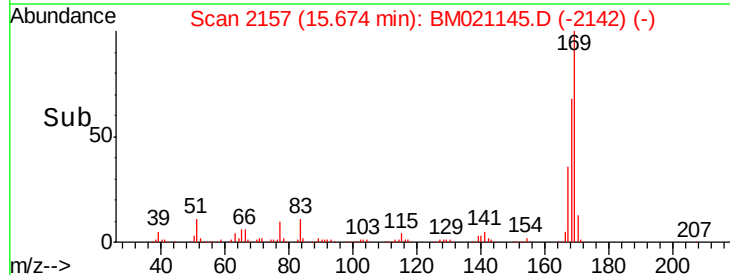
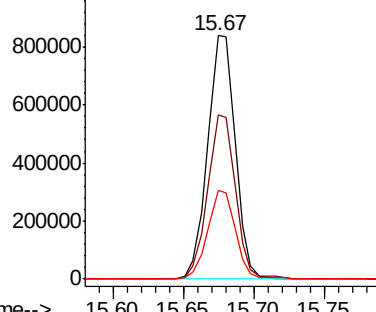


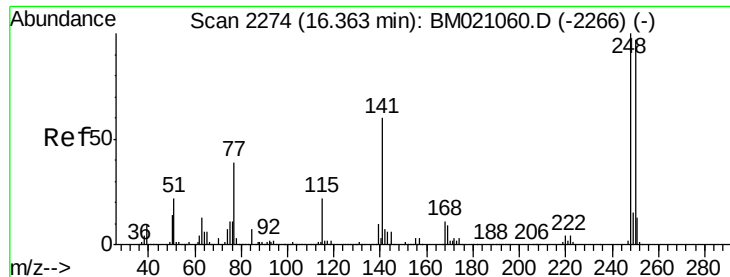
#66
n-Nitrosodiphenylamine
Concen: 18.051 ng
RT: 15.67 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.7	54.5	81.7
167	36.4	29.0	43.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

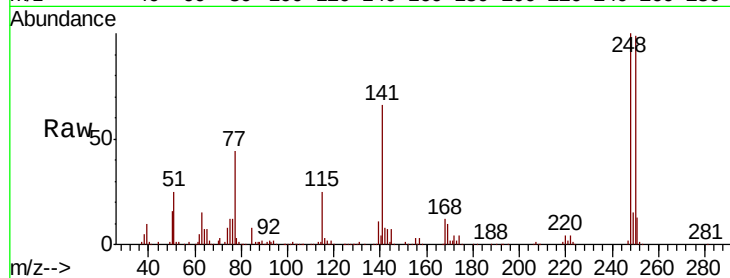




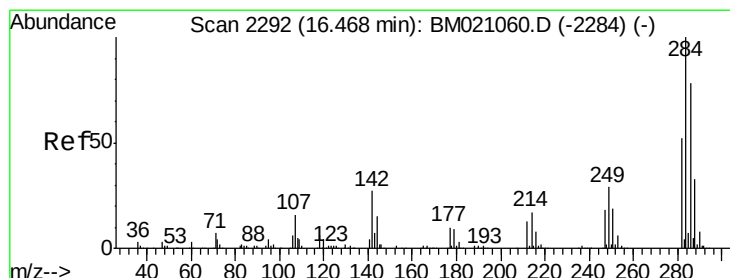
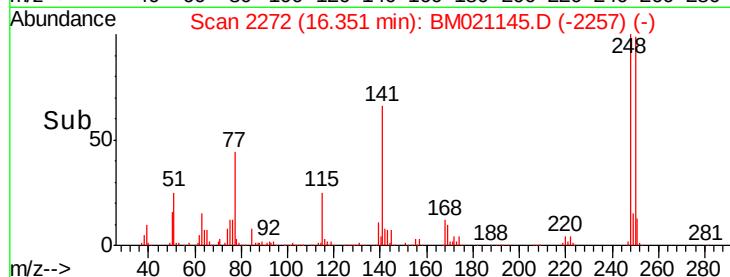
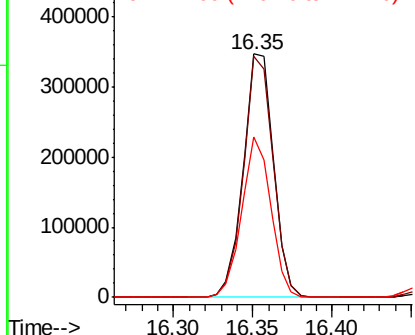
#67
 4-Bromophenyl-phenylether
 Concen: 17.141 ng
 RT: 16.35 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tgt Ion: 248 Resp: 459233
 Ion Ratio Lower Upper
 248 100
 250 98.8 77.5 116.3
 141 65.6 47.8 71.6

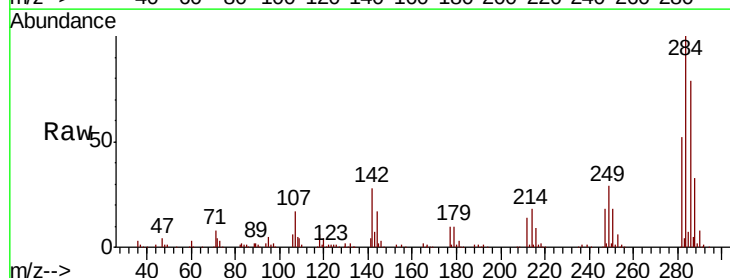


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

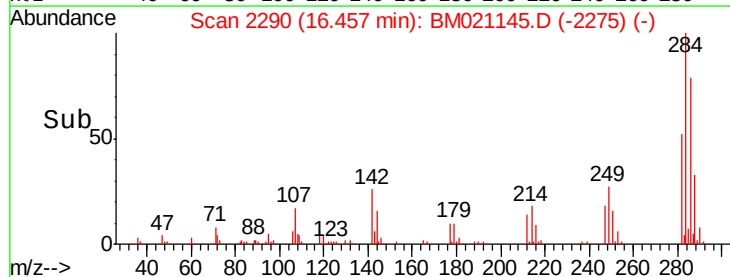
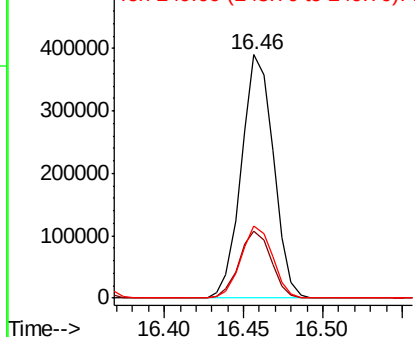


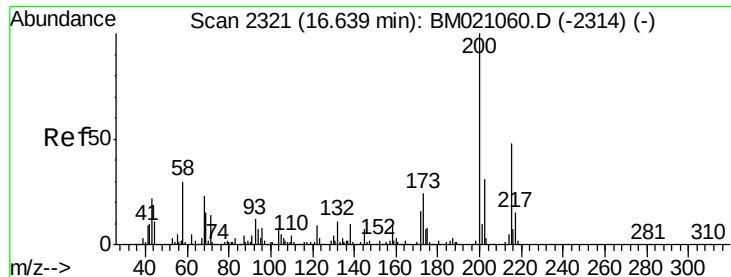
#68
 Hexachlorobenzene
 Concen: 17.115 ng
 RT: 16.46 min Scan# 2290
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Tgt Ion: 284 Resp: 547792
 Ion Ratio Lower Upper
 284 100
 142 27.5 21.2 31.8
 249 29.4 23.4 35.0



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 19.032 ng

RT: 16.63 min Scan# 2319

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

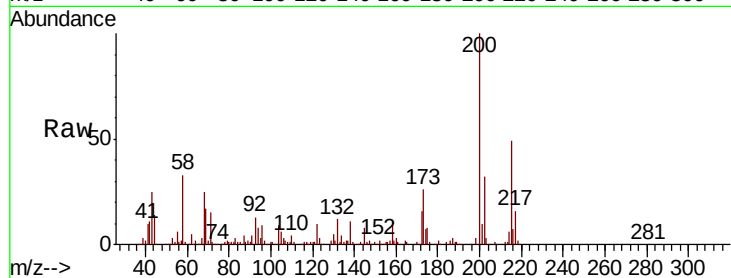
Tgt Ion:200 Resp: 392609

Ion Ratio Lower Upper

200 100

173 26.1 4.3 44.3

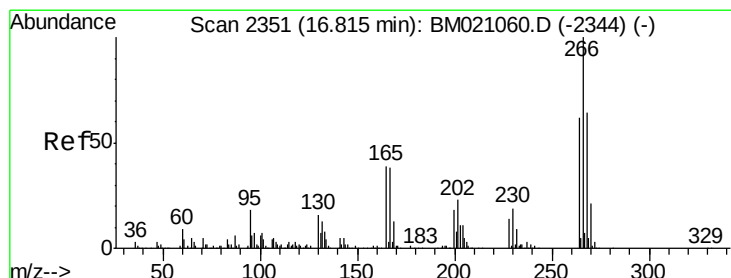
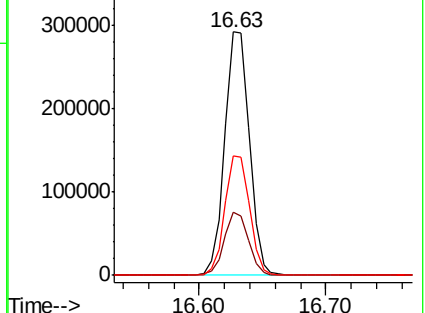
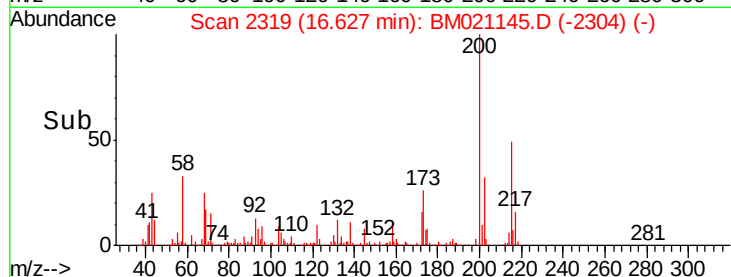
215 49.3 28.2 68.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 17.449 ng

RT: 16.81 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

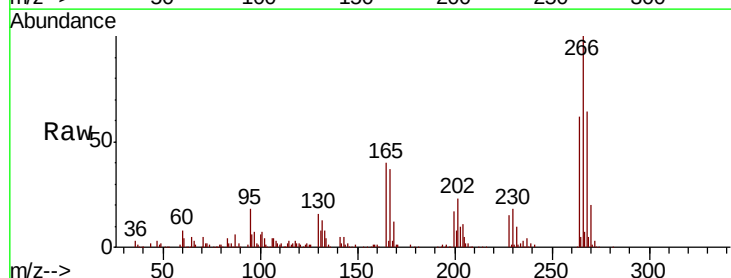
Tgt Ion:266 Resp: 300908

Ion Ratio Lower Upper

266 100

268 64.1 51.0 76.4

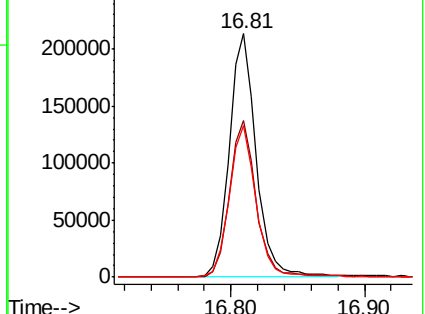
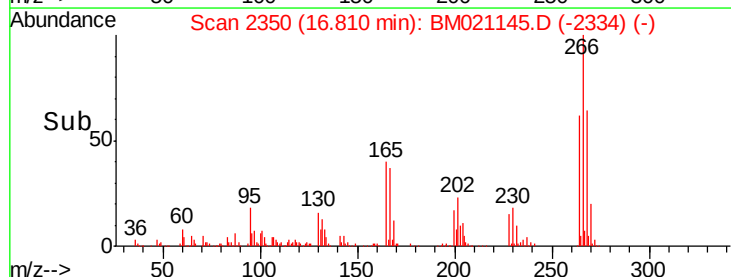
264 62.0 49.9 74.9

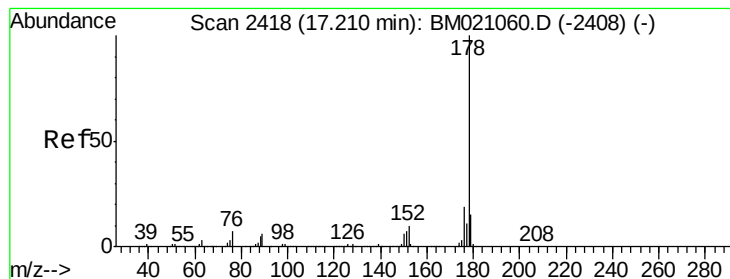


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 18.501 ng

RT: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

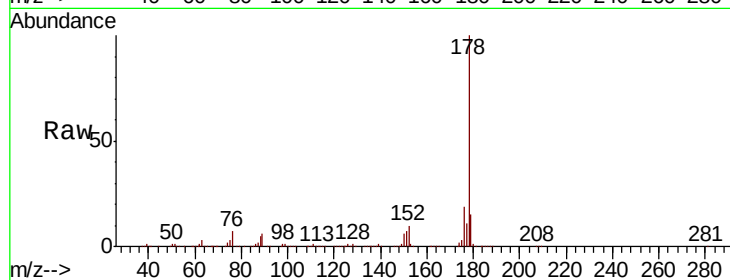
Tgt Ion:178 Resp: 2145946

Ion Ratio Lower Upper

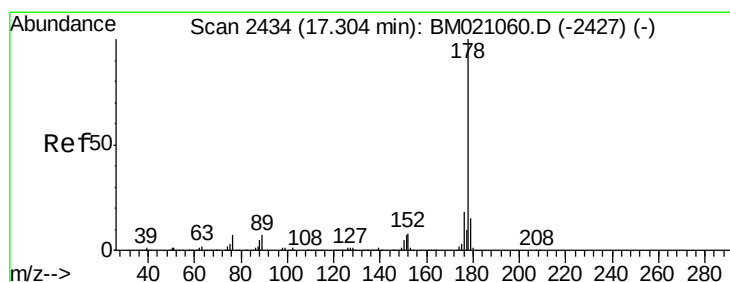
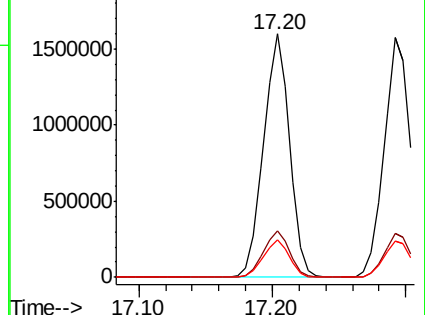
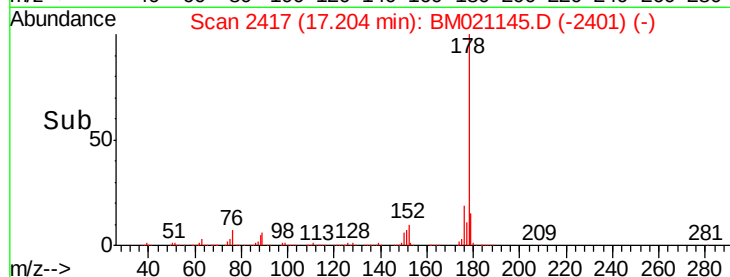
178 100

176 19.0 15.2 22.8

179 15.2 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 18.641 ng

RT: 17.29 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

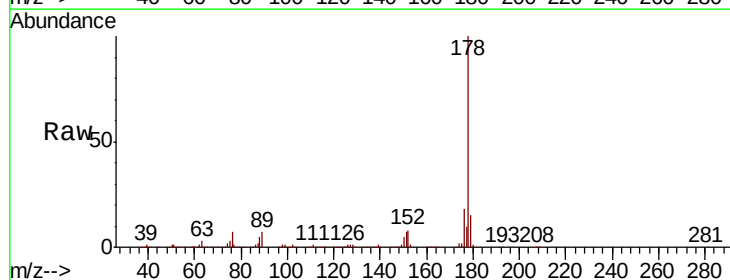
Tgt Ion:178 Resp: 2141729

Ion Ratio Lower Upper

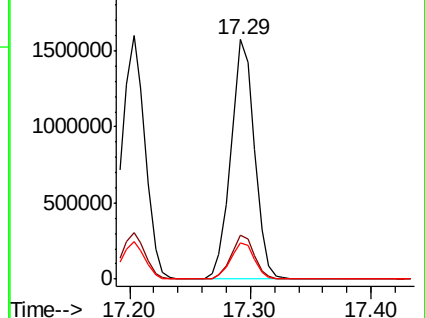
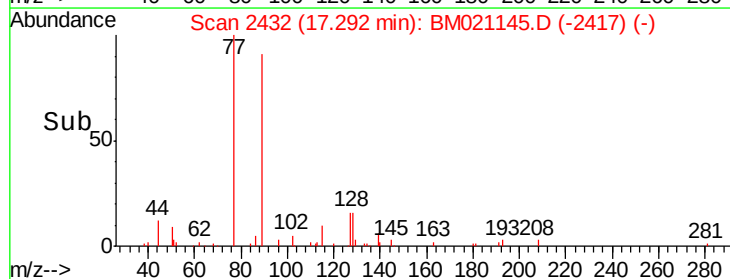
178 100

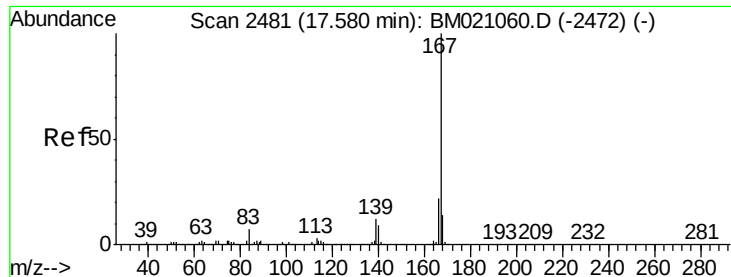
176 18.2 14.7 22.1

179 15.3 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

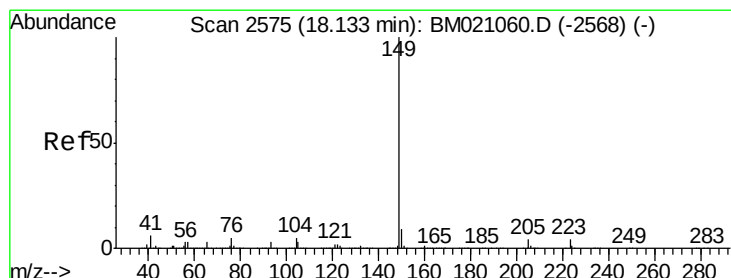
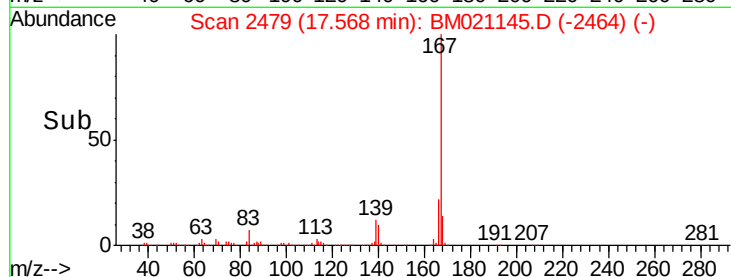
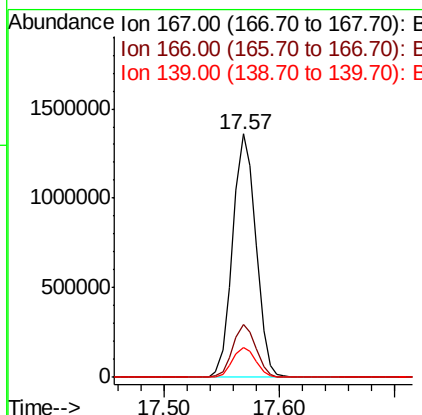
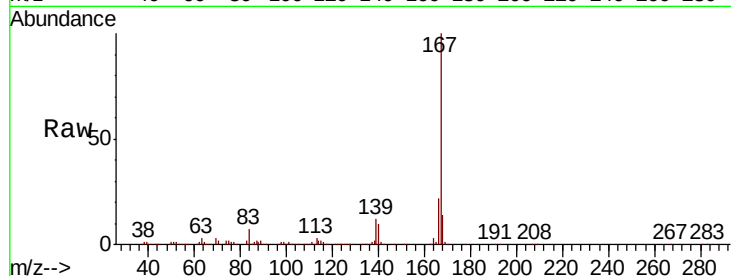




#73
 Carbazole
 Concen: 18.725 ng
 RT: 17.57 min Scan# 2479
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

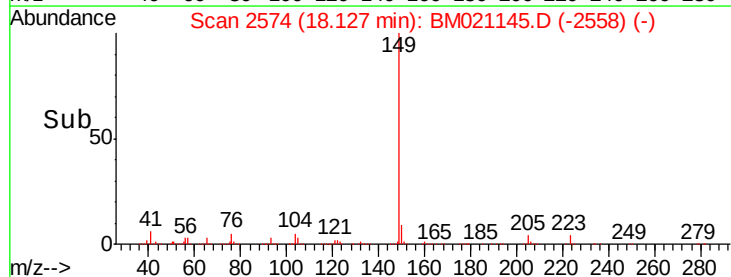
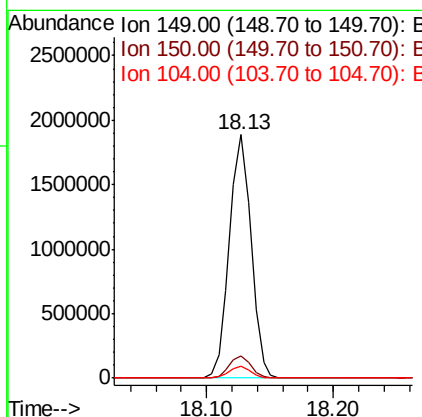
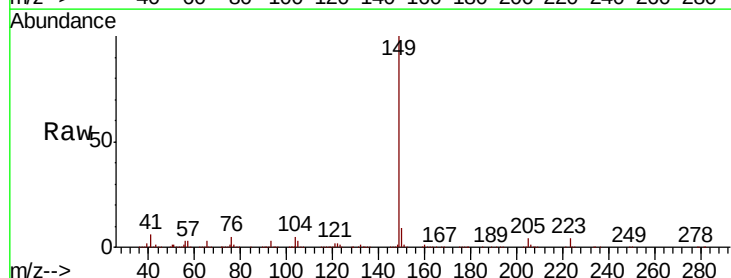
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

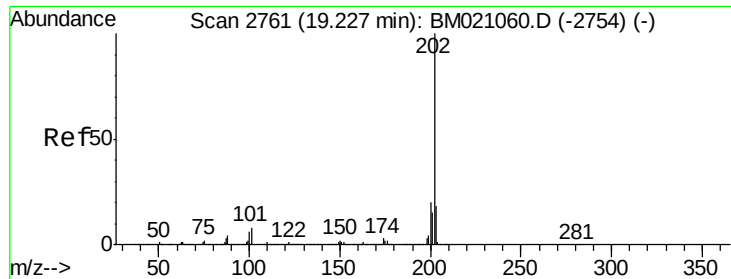
Tgt Ion:167 Resp: 1902263
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 12.4 9.7 14.5



#74
 Di-n-butylphthalate
 Concen: 17.998 ng
 RT: 18.13 min Scan# 2574
 Delta R.T. -0.01 min
 Lab File: BM021145.D
 Acq: 24 Jun 2019 13:03

Tgt Ion:149 Resp: 2238317
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 19.254 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

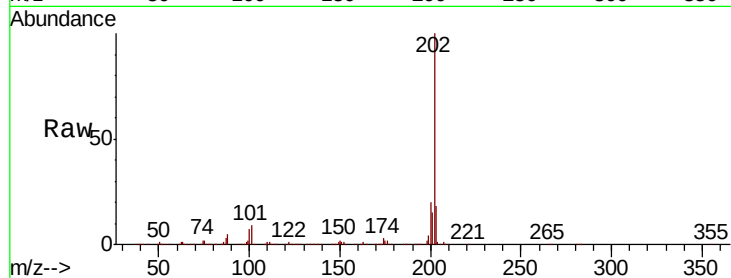
Tgt Ion:202 Resp: 2578873

Ion Ratio Lower Upper

202 100

101 8.7 0.0 28.2

203 17.5 0.0 37.6

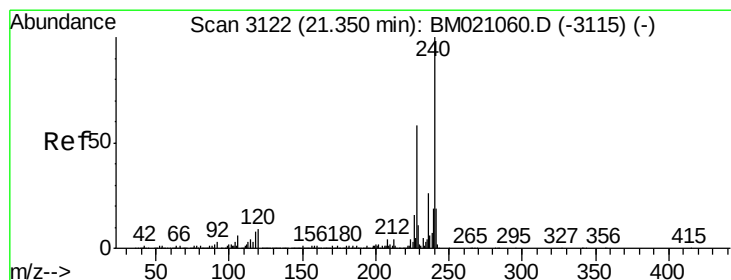
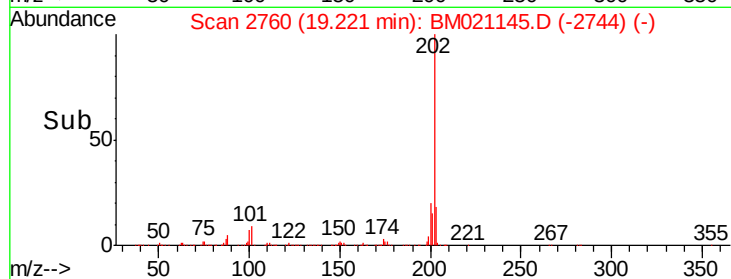
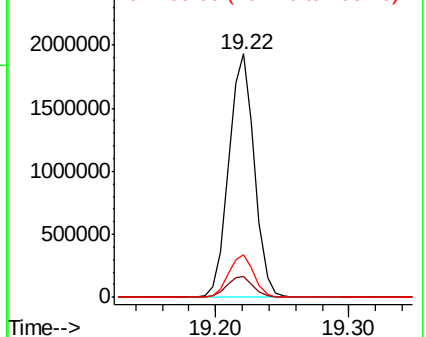


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

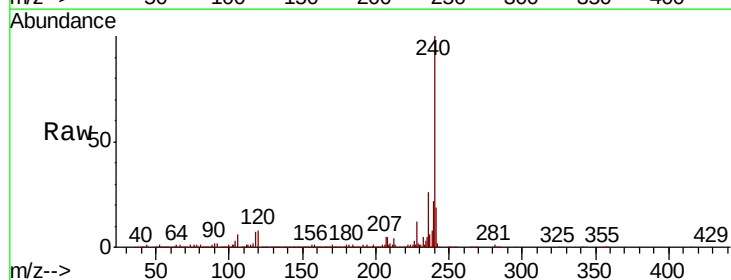
Tgt Ion:240 Resp: 1993232

Ion Ratio Lower Upper

240 100

120 7.9 6.9 10.3

236 25.7 20.4 30.6

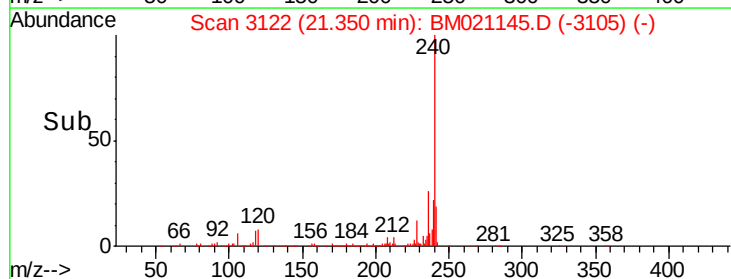
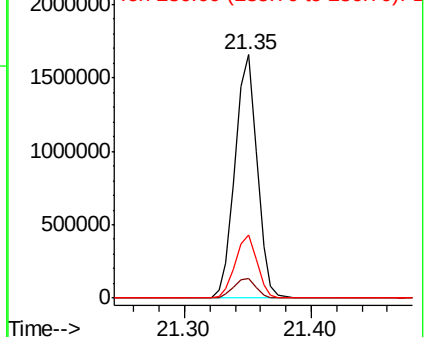


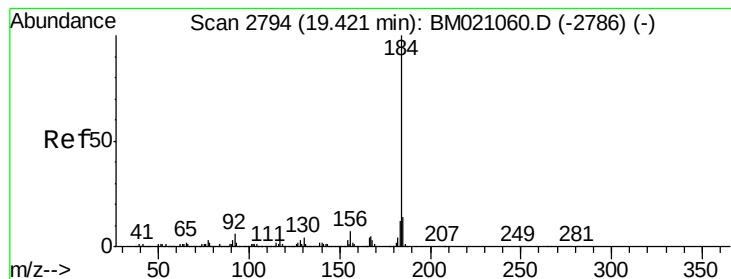
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 12.141 ng

RT: 19.42 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

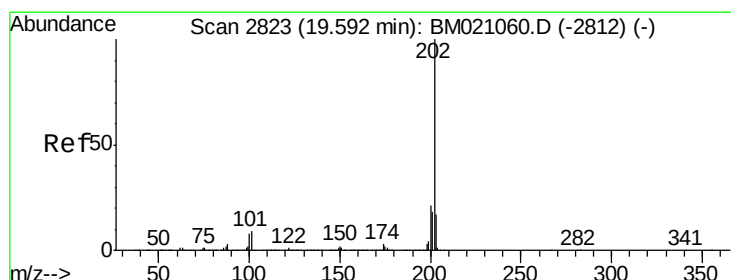
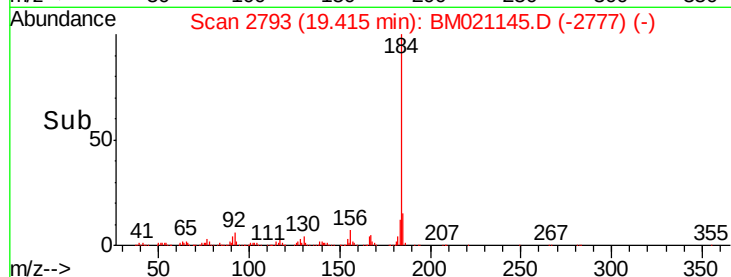
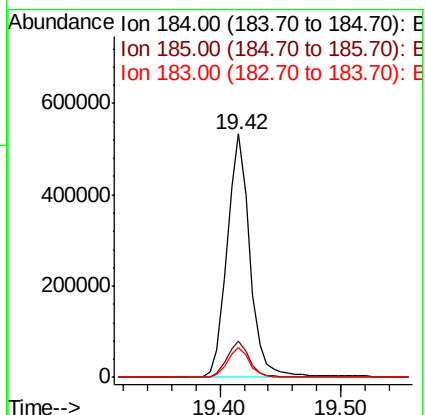
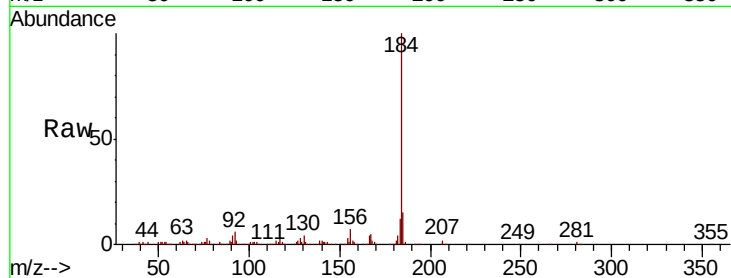
Tgt Ion:184 Resp: 702710

Ion Ratio Lower Upper

184 100

185 14.8 11.4 17.2

183 12.1 9.6 14.4



#78

Pyrene

Concen: 18.414 ng

RT: 19.59 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

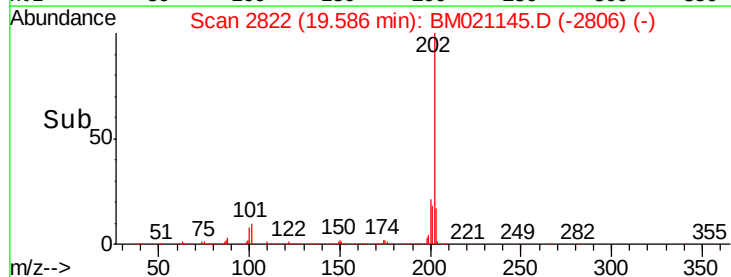
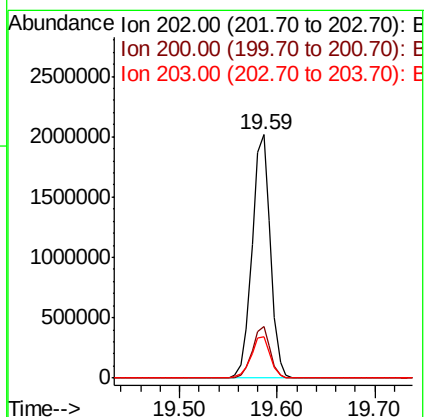
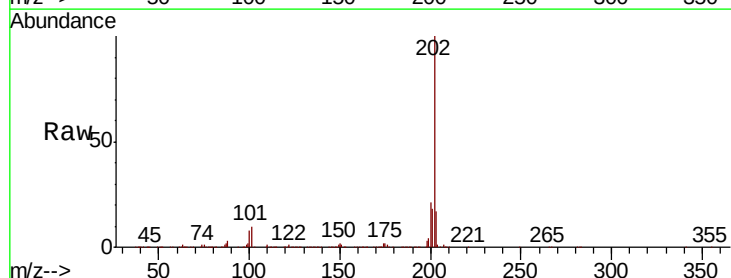
Tgt Ion:202 Resp: 2661864

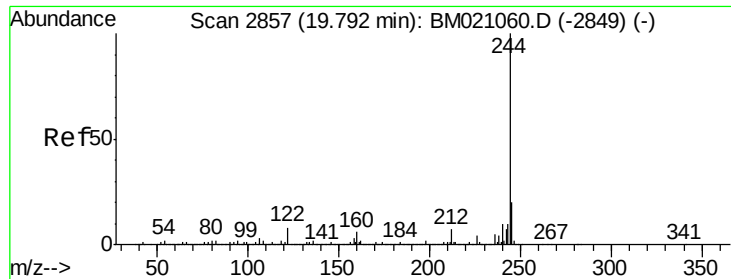
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.2 14.0 21.0





#79

Terphenyl-d14

Concen: 56.007 ng

RT: 19.79 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

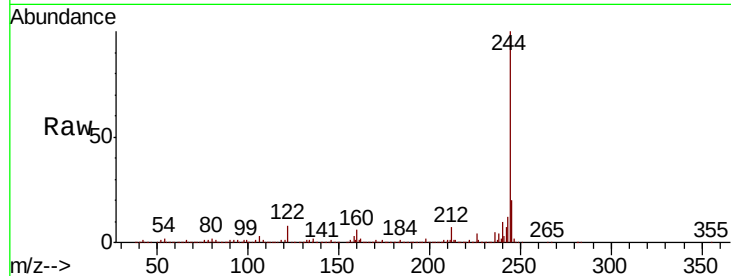
Tgt Ion:244 Resp: 5977104

Ion Ratio Lower Upper

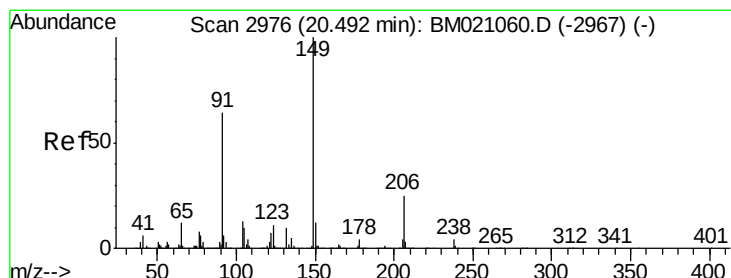
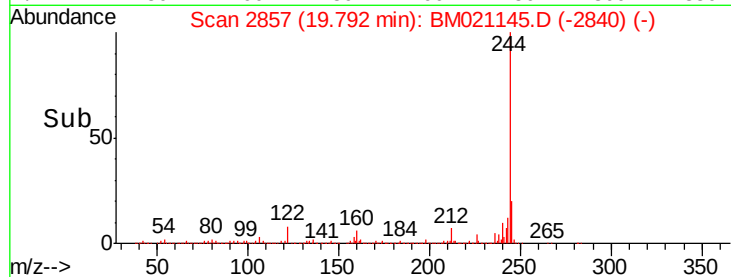
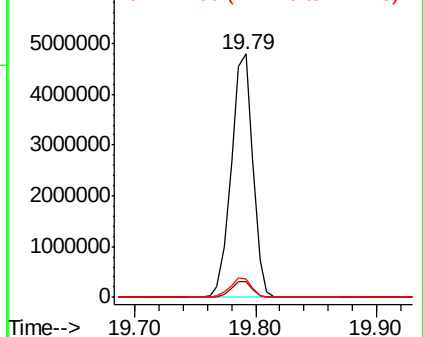
244 100

212 6.5 5.3 7.9

122 7.5 6.6 9.8



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 17.561 ng

RT: 20.49 min Scan# 2975

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

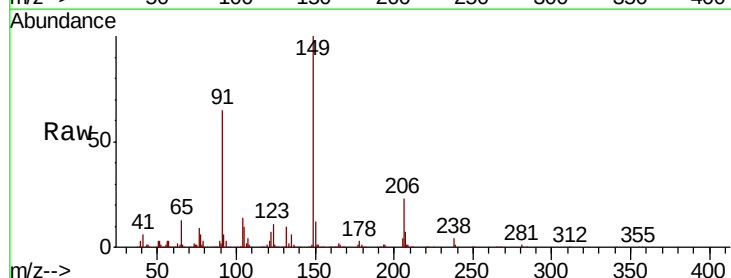
Tgt Ion:149 Resp: 1011846

Ion Ratio Lower Upper

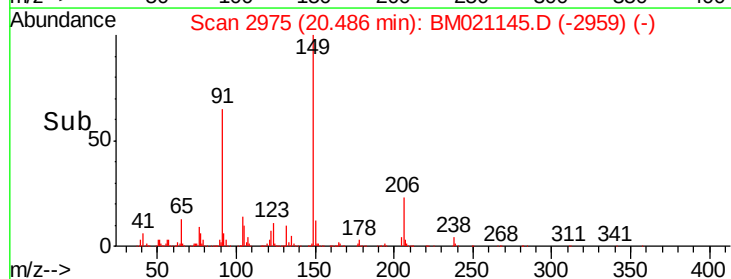
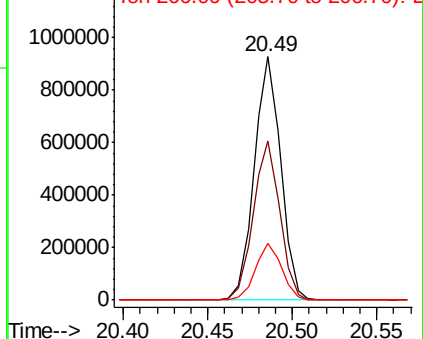
149 100

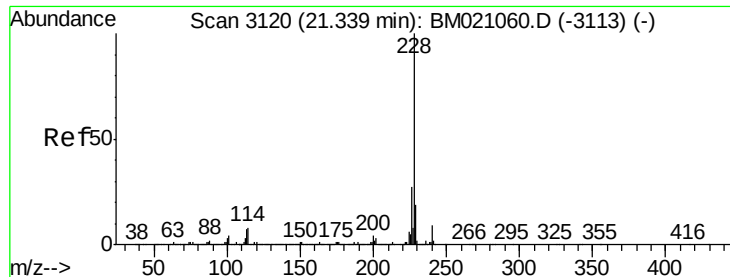
91 65.1 50.9 76.3

206 23.1 19.7 29.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 17.856 ng

RT: 21.33 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

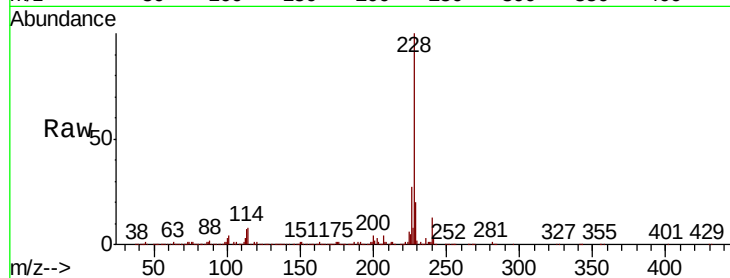
Tgt Ion:228 Resp: 2426152

Ion Ratio Lower Upper

228 100

226 26.8 21.6 32.4

229 19.7 15.5 23.3

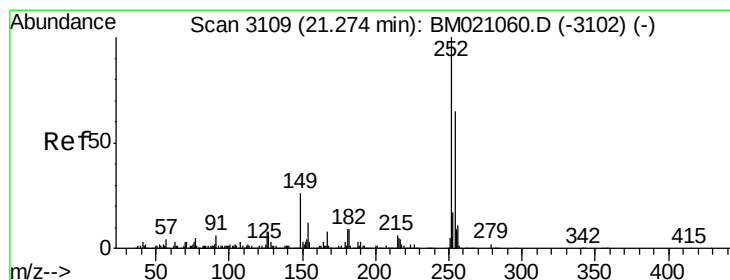
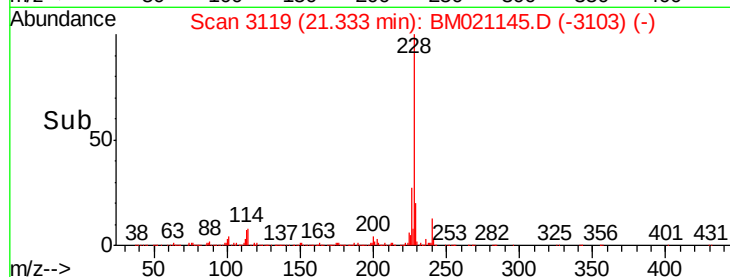
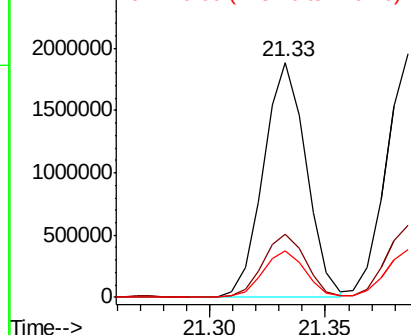


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 16.724 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

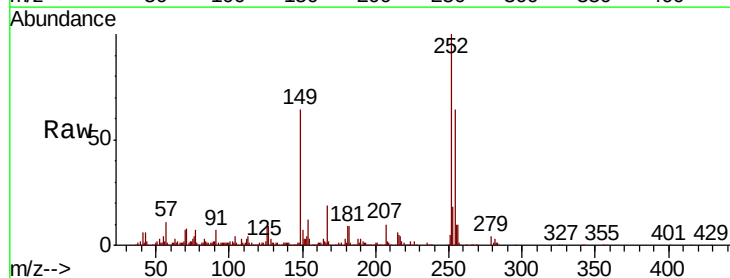
Tgt Ion:252 Resp: 860665

Ion Ratio Lower Upper

252 100

254 63.7 51.7 77.5

126 9.0 6.6 9.8

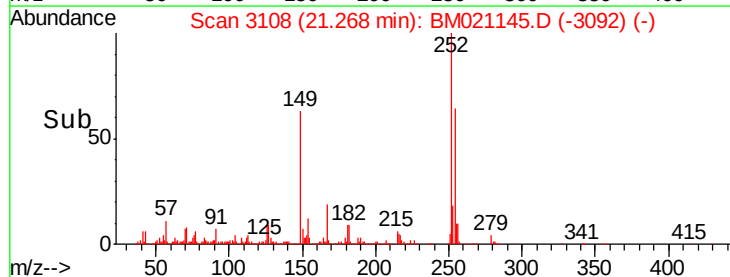
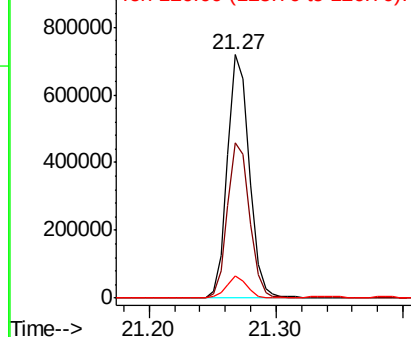


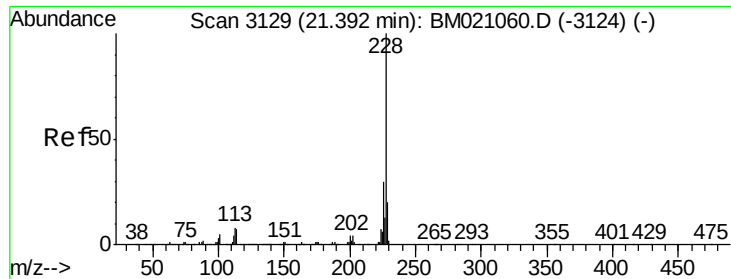
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 18.490 ng

RT: 21.39 min Scan# 3128

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

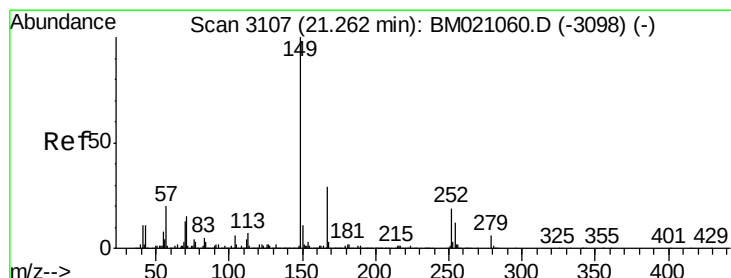
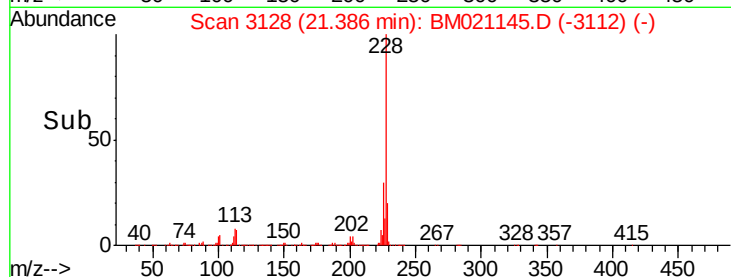
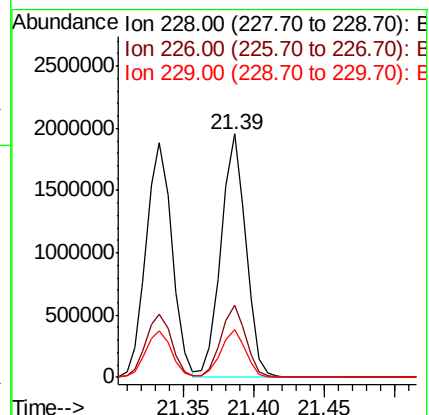
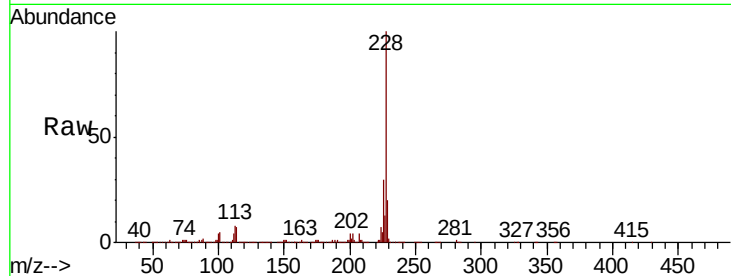
Tgt Ion:228 Resp: 2393274

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.369 ng

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

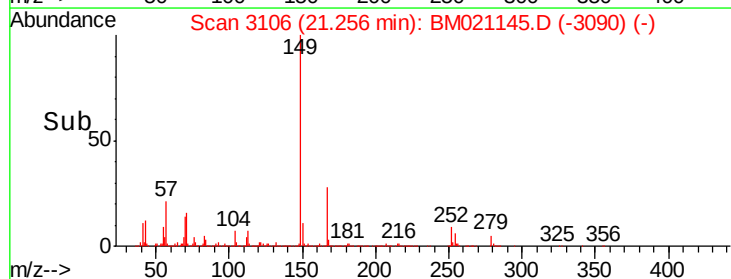
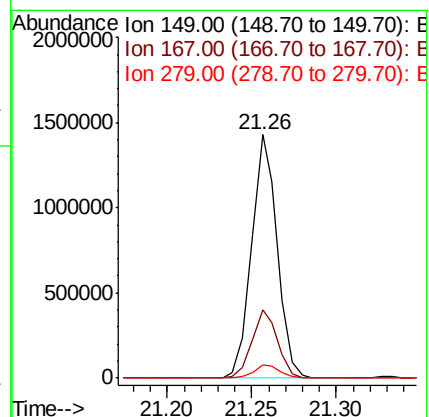
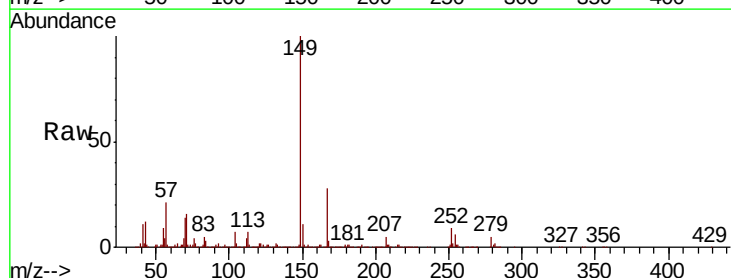
Tgt Ion:149 Resp: 1506373

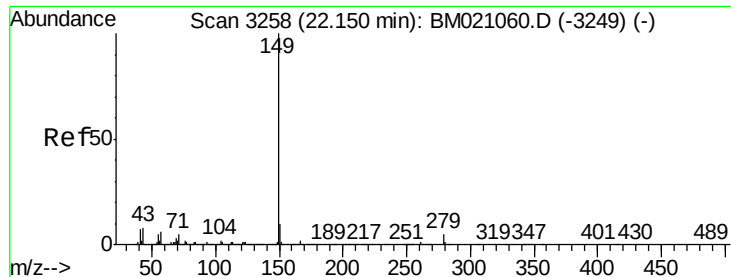
Ion Ratio Lower Upper

149 100

167 27.9 23.0 34.4

279 5.4 4.6 7.0





#85

Di-n-octyl phthalate

Concen: 18.498 ng

RT: 22.15 min Scan# 3258

Delta R.T. -0.00 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

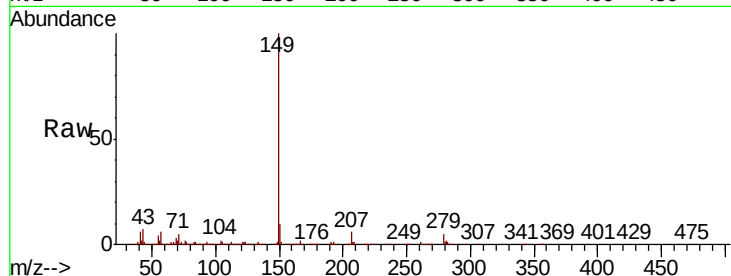
Tgt Ion:149 Resp: 2385623

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

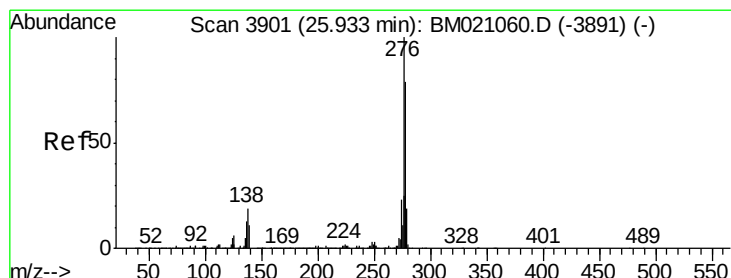
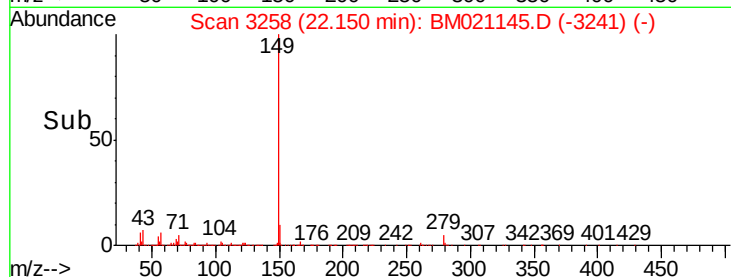
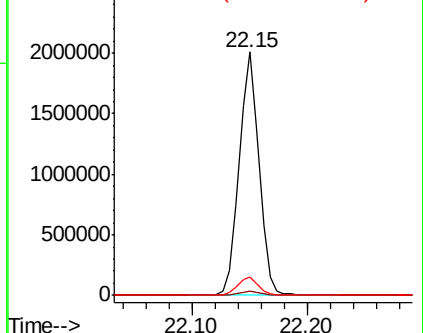
43 7.8 6.2 9.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 15.399 ng

RT: 25.92 min Scan# 3899

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

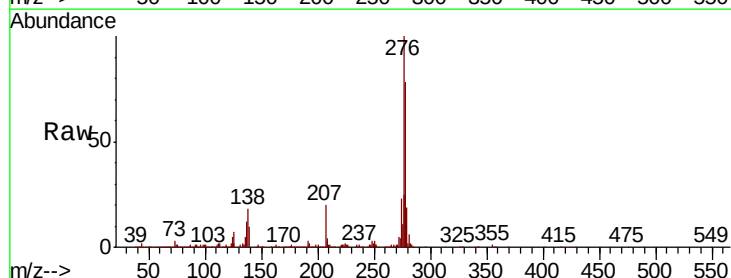
Tgt Ion:276 Resp: 2205558

Ion Ratio Lower Upper

276 100

138 19.2 15.4 23.0

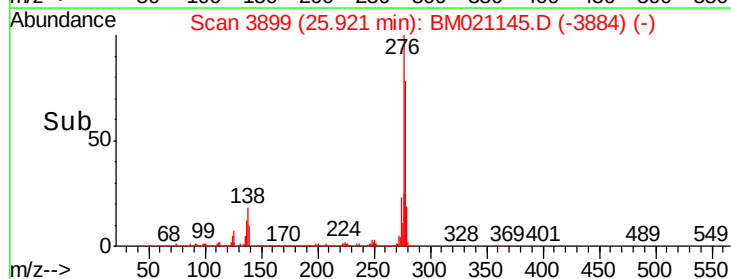
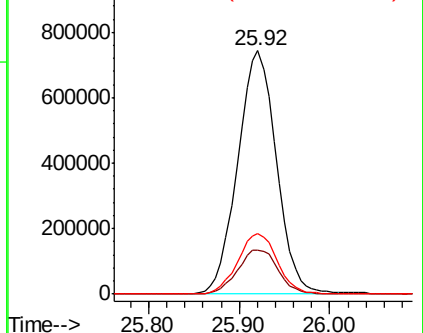
277 25.4 20.4 30.6

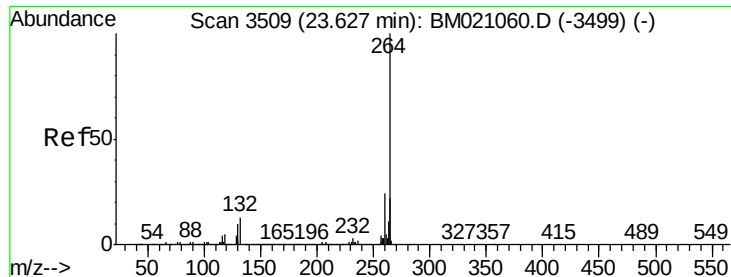


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



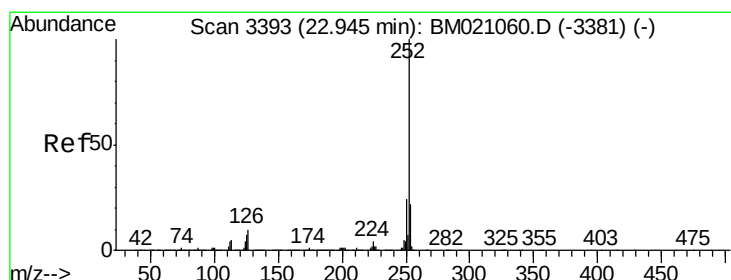
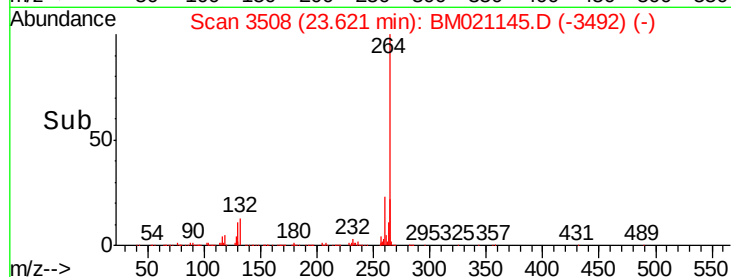
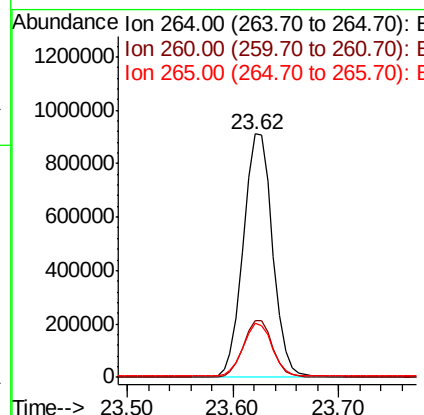
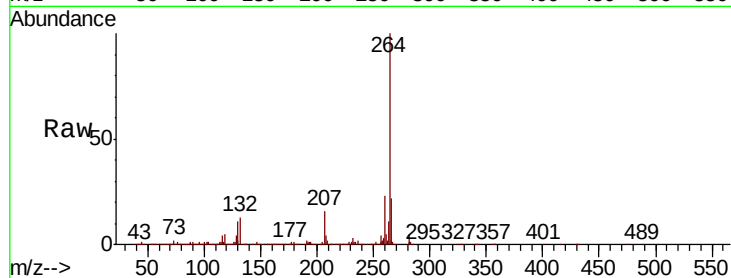


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.62 min Scan# 3508
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tgt Ion:264 Resp: 1762135

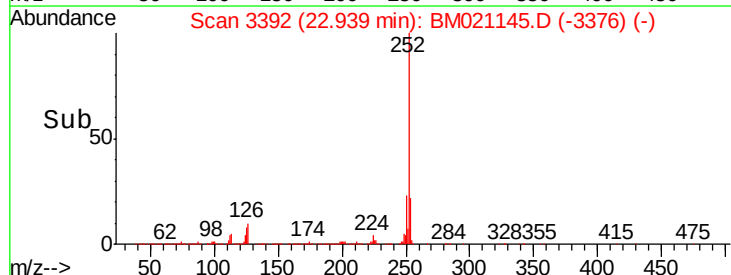
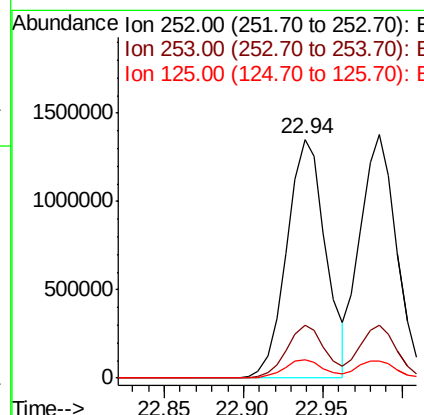
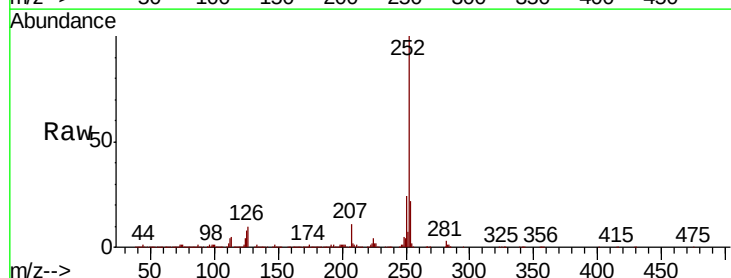
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.2	17.7	26.5

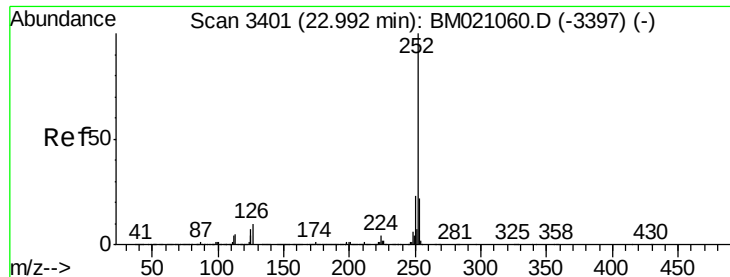


#88
Benzo(b)fluoranthene
Concen: 19.363 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.01 min
Lab File: BM021145.D
Acq: 24 Jun 2019 13:03

Tgt Ion:252 Resp: 2301885

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	7.8	5.9	8.9





#89

Benzo(k)fluoranthene

Concen: 19.228 ng

RT: 22.99 min Scan# 3400

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

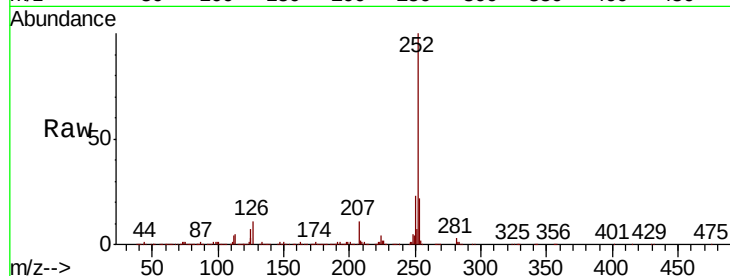
Tgt Ion:252 Resp: 2209571

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

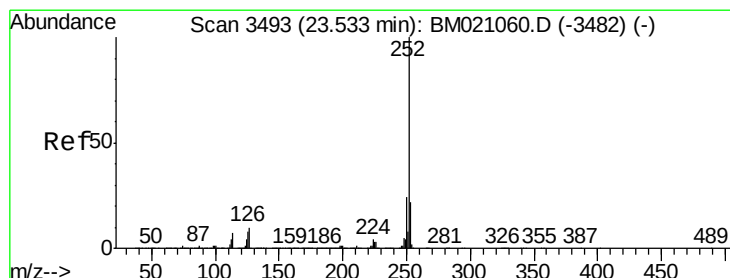
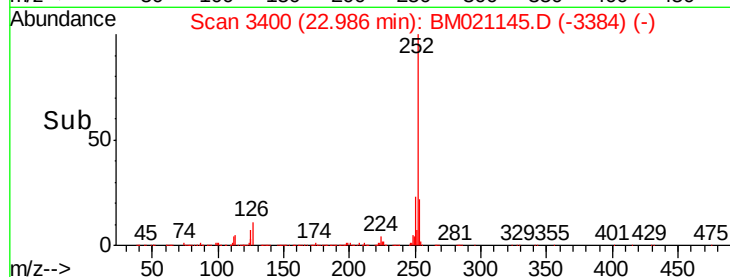
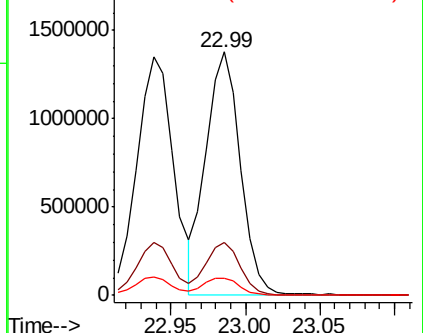
125 7.2 5.9 8.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 19.104 ng

RT: 23.53 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

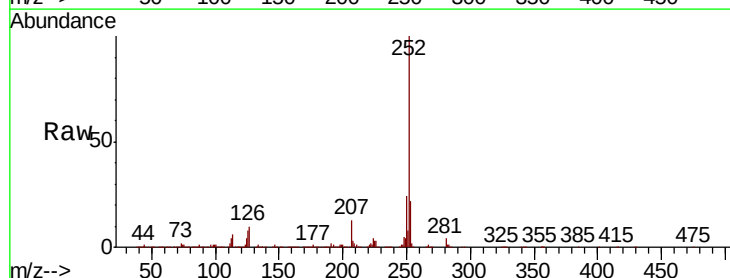
Tgt Ion:252 Resp: 2049224

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

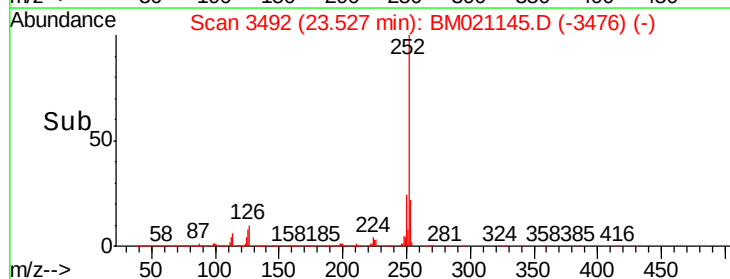
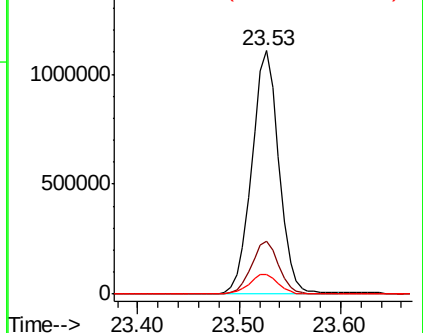
125 8.3 6.6 10.0

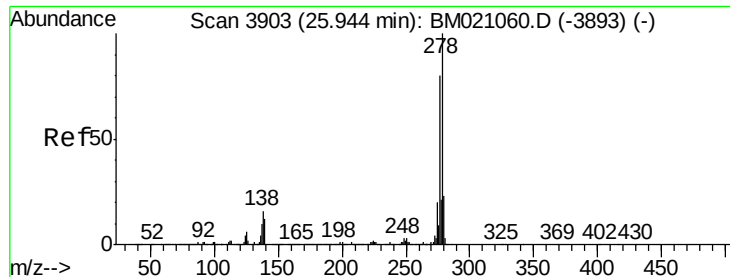


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 17.475 ng

RT: 25.93 min Scan# 3901

Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Instrument :

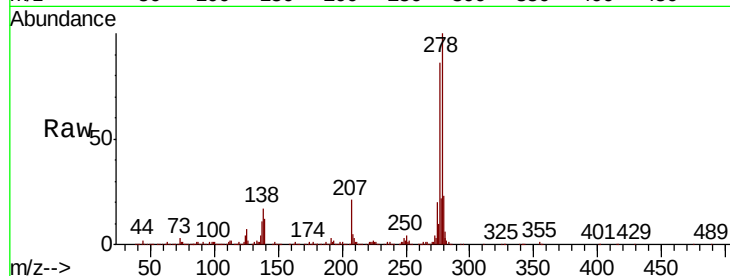
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tgt Ion:278 Resp: 1868827

Ion	Ratio	Lower	Upper
278	100		
139	12.1	9.8	14.8
279	23.3	18.7	28.1

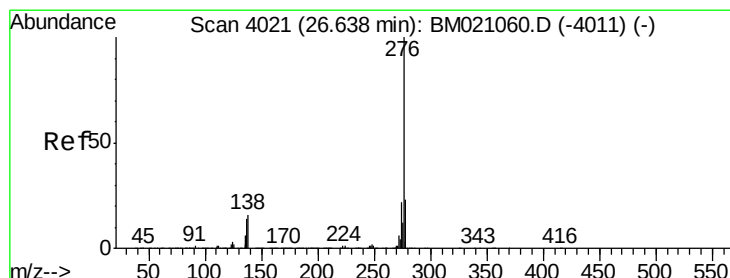
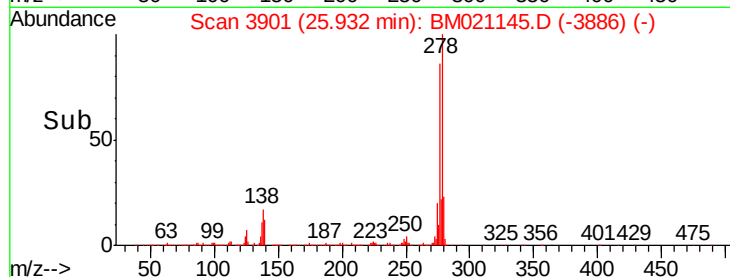
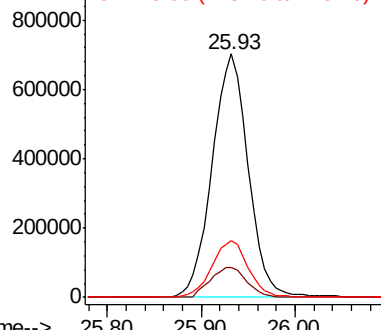


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 18.063 ng

RT: 26.63 min Scan# 4019

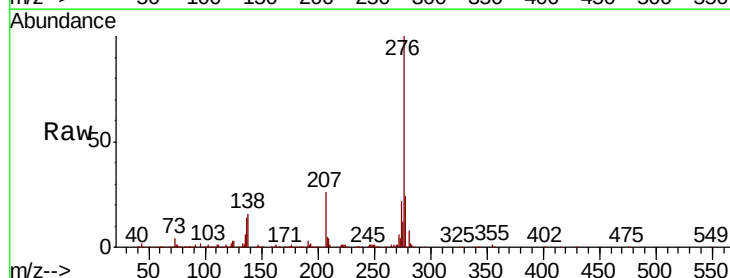
Delta R.T. -0.01 min

Lab File: BM021145.D

Acq: 24 Jun 2019 13:03

Tgt Ion:276 Resp: 1801380

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	15.9	13.1	19.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

