

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062419\
 Data File : BM021144.D
 Acq On : 24 Jun 2019 12:20
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 25 04:31:19 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	249107	20.00	ng	0.00
21) Naphthalene-d8	10.56	136	822413	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	532744	20.00	ng	-0.01
64) Phenanthrene-d10	17.16	188	1356679	20.00	ng	0.00
76) Chrysene-d12	21.35	240	1412174	20.00	ng	0.00
87) Perylene-d12	23.63	264	1354649	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1523701	110.76	ng	0.00
7) Phenol-d6	6.95	99	1968038	98.23	ng	0.00
23) Nitrobenzene-d5	8.93	82	1108607	70.25	ng	-0.01
42) 2,4,6-Tribromophenol	15.91	330	1176955	117.73	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	3070181	70.83	ng	0.00
79) Terphenyl-d14	19.79	244	5954453	78.75	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	38299	7.389	ng	95
3) Pyridine	3.73	79	95976	6.439	ng	99
4) n-Nitrosodimethylamine	3.64	42	36919	6.433	ng	# 90
6) Aniline	7.11	93	141403	5.299	ng	99
8) 2-Chlorophenol	7.34	128	109937	6.493	ng	96
9) Benzaldehyde	6.93	77	91376	4.385	ng	100
10) Phenol	6.97	94	131147	6.408	ng	95
11) bis(2-Chloroethyl)ether	7.21	93	86180	5.318	ng	99
12) 1,3-Dichlorobenzene	7.66	146	133507	6.508	ng	99
13) 1,4-Dichlorobenzene	7.81	146	135617	6.503	ng	98
14) 1,2-Dichlorobenzene	8.12	146	130006	6.361	ng	99
15) Benzyl Alcohol	8.02	79	79726	4.915	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.30	45	105473	5.032	ng	99
17) 2-Methylphenol	8.21	107	75821	5.186	ng	100
18) Hexachloroethane	8.84	117	46334	6.188	ng	92
19) n-Nitroso-di-n-propylamine	8.57	70	68440	4.694	ng	97
20) 3+4-Methylphenols	8.54	107	103032	5.120	ng	97
22) Acetophenone	8.60	105	145623	6.948	ng	# 97
24) Nitrobenzene	8.97	77	115174	7.368	ng	98
25) Isophorone	9.50	82	187238	6.341	ng	98
26) 2-Nitrophenol	9.69	139	45643	5.963	ng	97
27) 2,4-Dimethylphenol	9.74	122	58249	5.218	ng	99
28) bis(2-Chloroethoxy)methane	9.98	93	116037	6.324	ng	98
29) 2,4-Dichlorophenol	10.21	162	94496	6.540	ng	99
30) 1,2,4-Trichlorobenzene	10.42	180	119132	6.995	ng	99
31) Naphthalene	10.61	128	310334	7.130	ng	99
33) 4-Chloroaniline	10.73	127	121590	6.154	ng	98
34) Hexachlorobutadiene	10.88	225	71519	6.651	ng	99
35) Caprolactam	11.53	113	24778	5.483	ng	94
36) 4-Chloro-3-methylphenol	11.85	107	94763	6.445	ng	98
37) 2-Methylnaphthalene	12.22	142	233125	6.962	ng	99
38) 1-Methylnaphthalene	12.45	142	222571	6.968	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.59	216	135641	6.727	ng	100
41) Hexachlorocyclopentadiene	12.56	237	47798	4.089	ng	96

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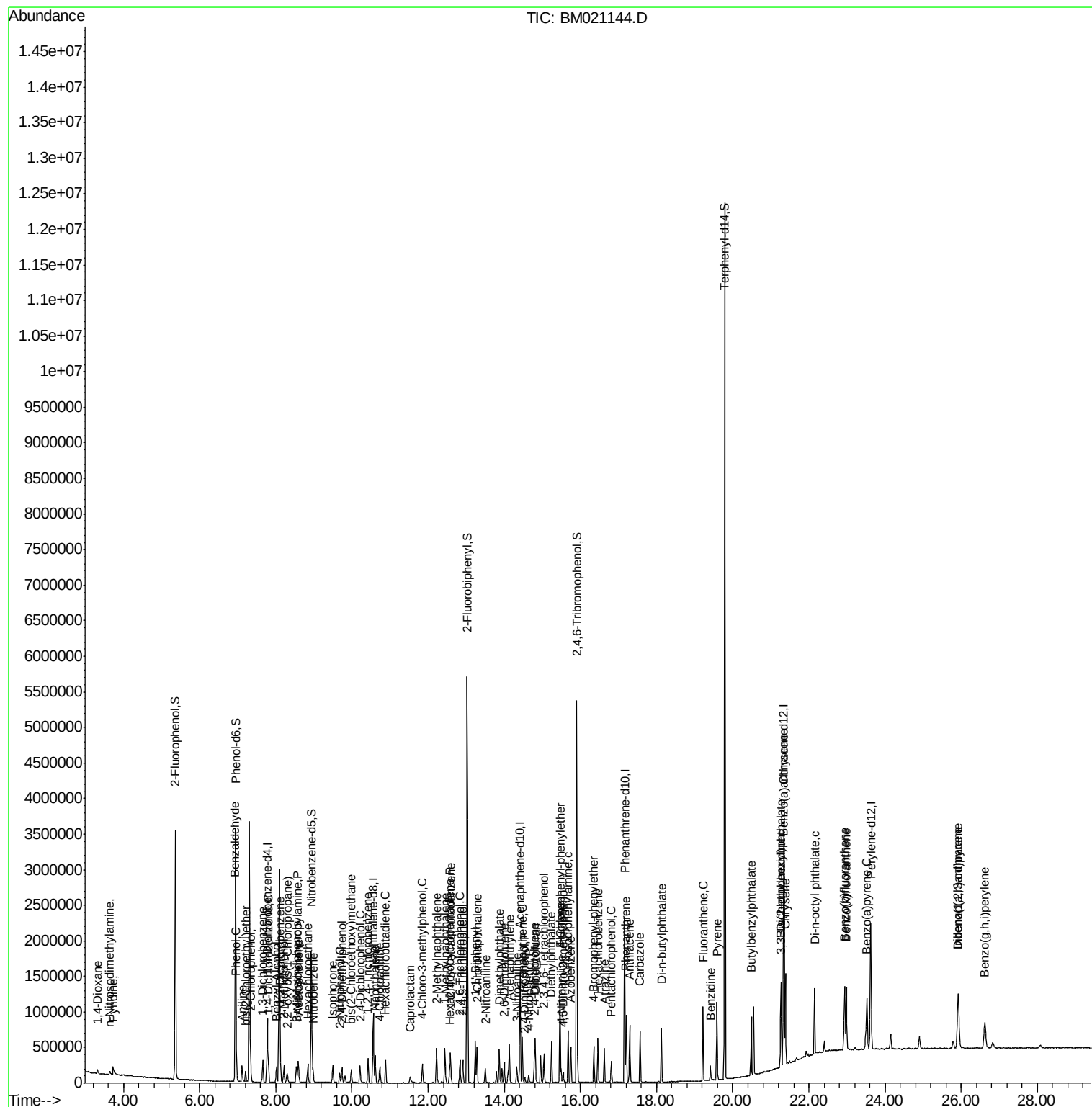
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	12.84	196	80010	5.996	ng	95
44) 2,4,5-Trichlorophenol	12.91	196	88309	6.391	ng	98
46) 1,1'-Biphenyl	13.24	154	317018	6.953	ng	99
47) 2-Chloronaphthalene	13.29	162	252571	6.820	ng	98
48) 2-Nitroaniline	13.50	65	53570	5.288	ng	98
49) Acenaphthylene	14.13	152	383918	6.812	ng	99
50) Dimethylphthalate	13.87	163	316648	6.685	ng	99
51) 2,6-Dinitrotoluene	14.00	165	63546	6.236	ng	96
52) Acenaphthene	14.47	154	230561	6.781	ng	97
53) 3-Nitroaniline	14.33	138	57527	5.538	ng	98
54) 2,4-Dinitrophenol	14.54	184	17652	3.225	ng	91
55) Dibenzofuran	14.81	168	401240	7.234	ng	98
56) 4-Nitrophenol	14.65	139	36277	4.567	ng	88
57) 2,4-Dinitrotoluene	14.79	165	82046	5.831	ng	# 93
58) Fluorene	15.46	166	318615	7.030	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.04	232	85789	6.498	ng	97
60) Diethylphthalate	15.24	149	311308	6.673	ng	98
61) 4-Chlorophenyl-phenylether	15.46	204	171782	6.709	ng	93
62) 4-Nitroaniline	15.50	138	56938	5.222	ng	93
63) Azobenzene	15.75	77	263973	6.898	ng	98
65) 4,6-Dinitro-2-methylphenol	15.55	198	34761	4.156	ng	97
66) n-Nitrosodiphenylamine	15.67	169	274890	6.428	ng	100
67) 4-Bromophenyl-phenylether	16.36	248	111644	6.182	ng	96
68) Hexachlorobenzene	16.46	284	136410	6.322	ng	96
69) Atrazine	16.63	200	92108	6.624	ng	98
70) Pentachlorophenol	16.81	266	61771	5.314	ng	99
71) Phenanthrene	17.20	178	551444	7.053	ng	99
72) Anthracene	17.29	178	517488	6.681	ng	99
73) Carbazole	17.57	167	465142	6.792	ng	100
74) Di-n-butylphthalate	18.13	149	512193	6.110	ng	100
75) Fluoranthene	19.22	202	644745	7.141	ng	100
77) Benzidine	19.42	184	134571	3.282	ng	97
78) Pyrene	19.59	202	683046	6.669	ng	99
80) Butylbenzylphthalate	20.49	149	231538	5.672	ng	97
81) Benzo(a)anthracene	21.33	228	676565	7.028	ng	99
82) 3,3'-Dichlorobenzidine	21.27	252	200372	5.495	ng	100
83) Chrysene	21.39	228	655484	7.148	ng	99
84) Bis(2-ethylhexyl)phthalate	21.26	149	354066	6.094	ng	97
85) Di-n-octyl phthalate	22.15	149	583859	6.390	ng	99
86) Indeno(1,2,3-cd)pyrene	25.91	276	600075	5.914	ng	99
88) Benzo(b)fluoranthene	22.94	252	636054	6.960	ng	98
89) Benzo(k)fluoranthene	22.99	252	602889	6.825	ng	99
90) Benzo(a)pyrene	23.52	252	564018	6.840	ng	99
91) Dibenzo(a,h)anthracene	25.93	278	503709	6.127	ng	99
92) Benzo(g,h,i)perylene	26.62	276	493113	6.432	ng	99

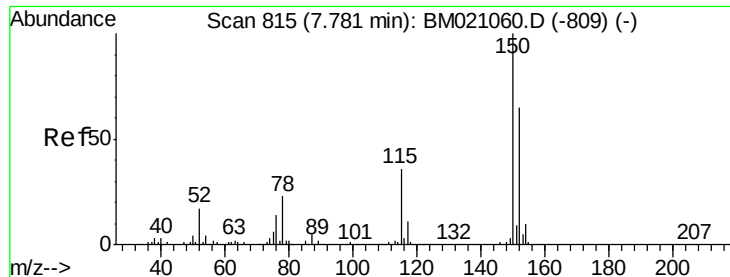
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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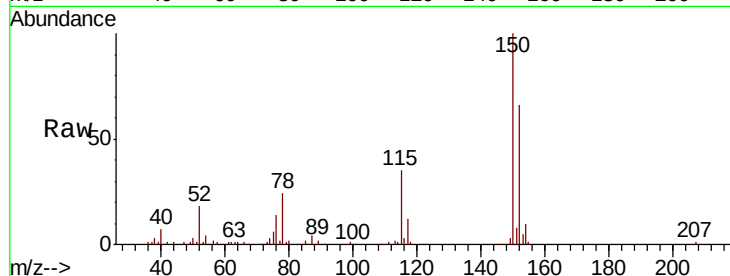


#1

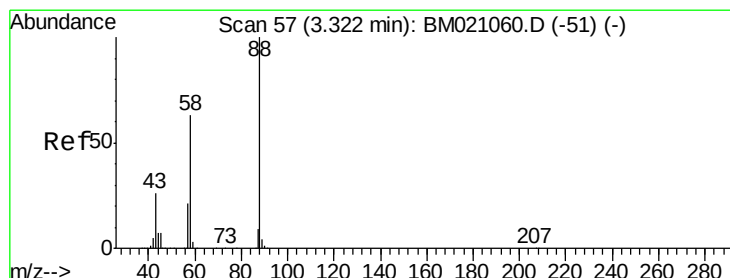
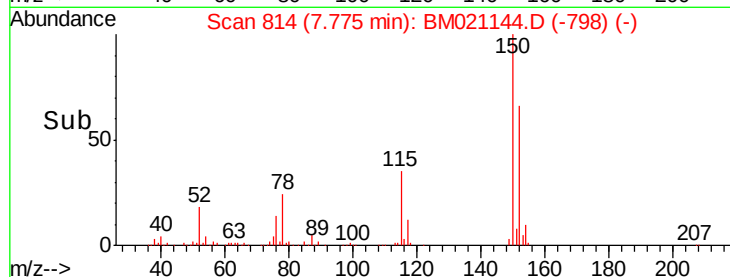
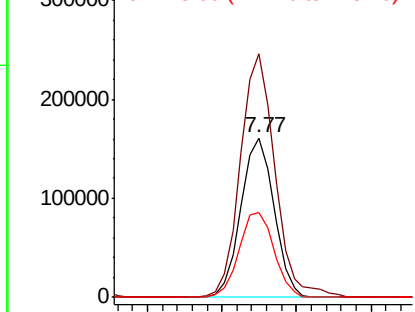
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.77 min Scan# 814
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:152 Resp: 249107
Ion Ratio Lower Upper
152 100
150 152.5 123.1 184.7
115 53.4 44.2 66.4



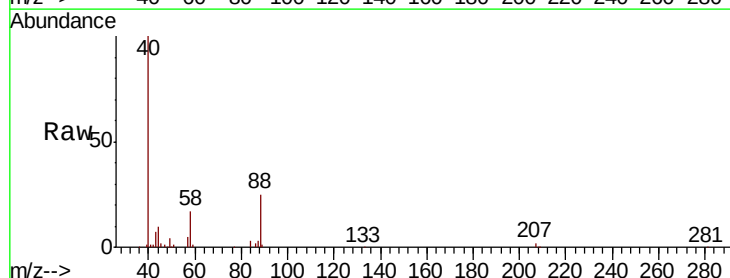
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



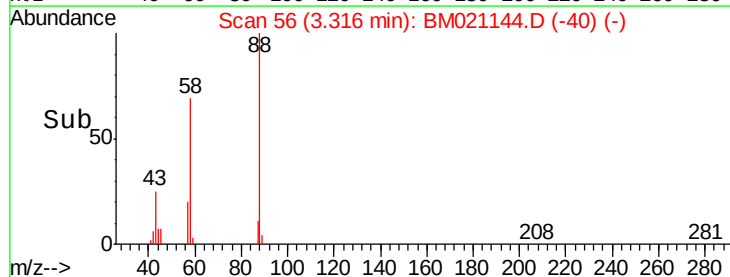
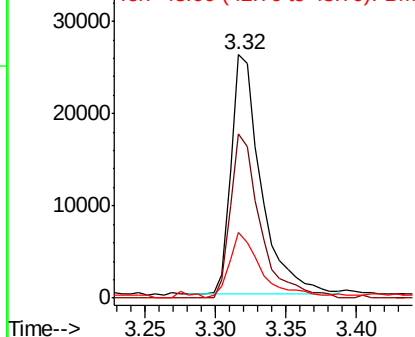
#2

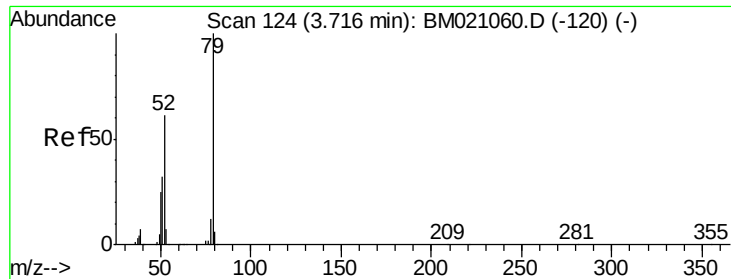
1,4-Dioxane
Concen: 7.389 ng
RT: 3.32 min Scan# 56
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion: 88 Resp: 38299
Ion Ratio Lower Upper
88 100
58 68.3 51.9 77.9
43 29.6 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: 6.439 ng

RT: 3.73 min Scan# 126

Delta R.T. 0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

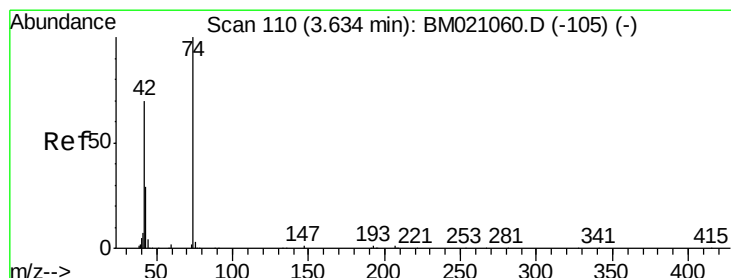
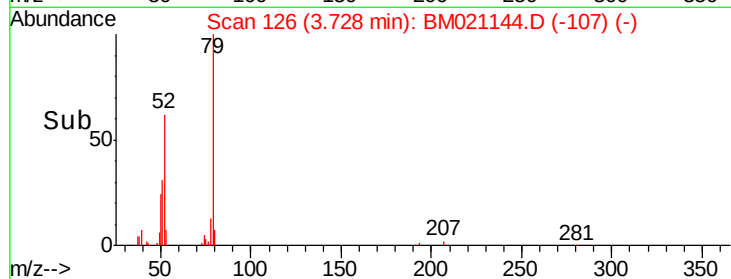
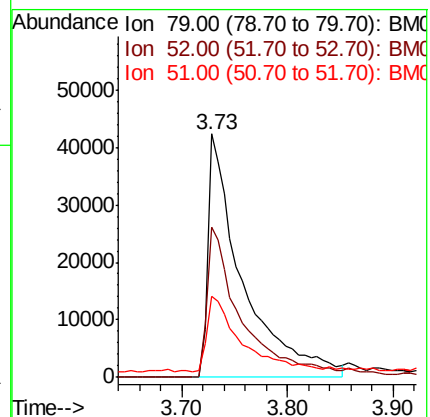
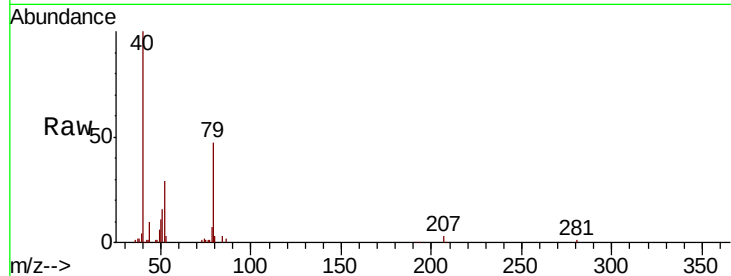
Tgt Ion: 79 Resp: 95976

Ion Ratio Lower Upper

79 100

52 61.7 48.8 73.2

51 33.5 25.7 38.5



#4

n-Nitrosodimethylamine

Concen: 6.433 ng

RT: 3.64 min Scan# 111

Delta R.T. 0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

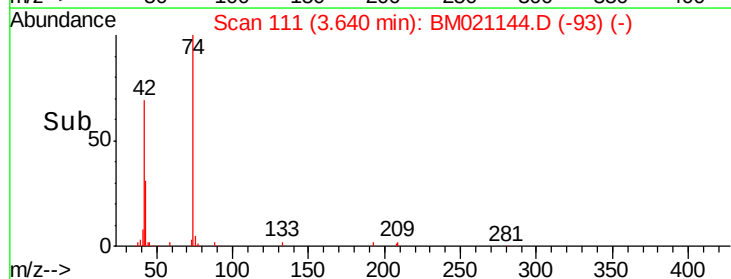
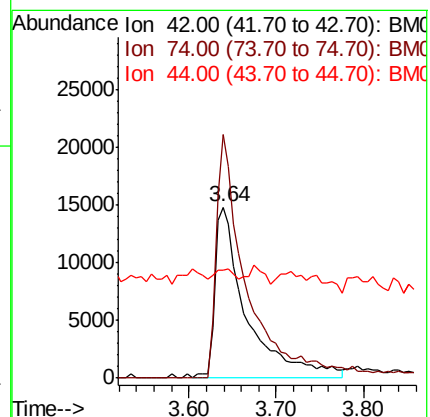
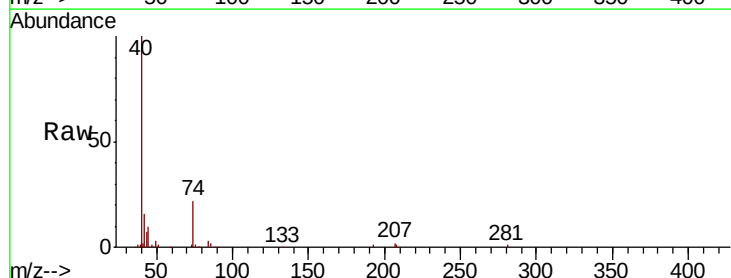
Tgt Ion: 42 Resp: 36919

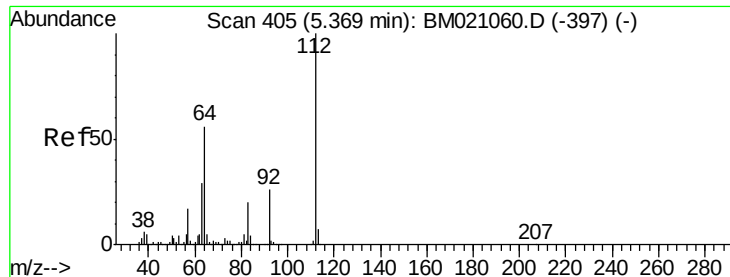
Ion Ratio Lower Upper

42 100

74 142.3 113.8 170.6

44 63.0 8.2 12.2#





#5

2-Fluorophenol

Concen: 110.756 ng

RT: 5.36 min Scan# 404

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

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LOD-MDL-SOIL-01-QT2-2019

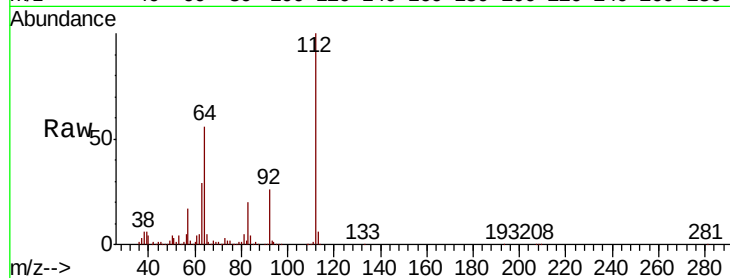
Tgt Ion: 112 Resp: 1523701

Ion Ratio Lower Upper

112 100

64 56.2 45.2 67.8

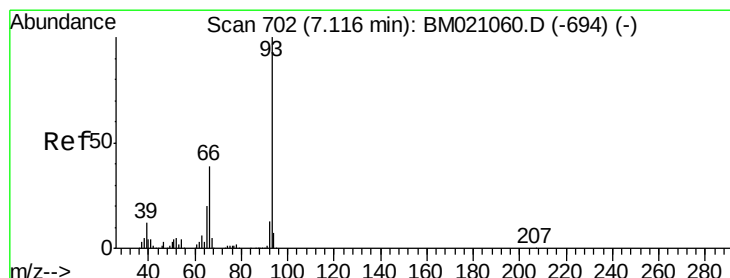
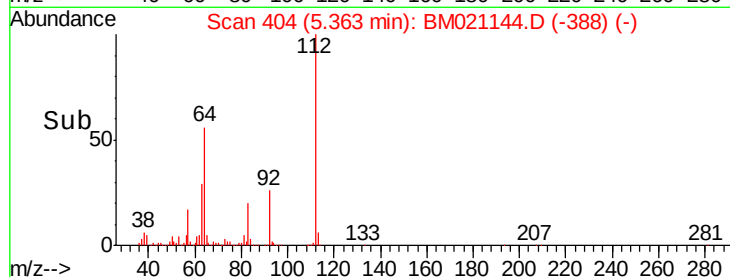
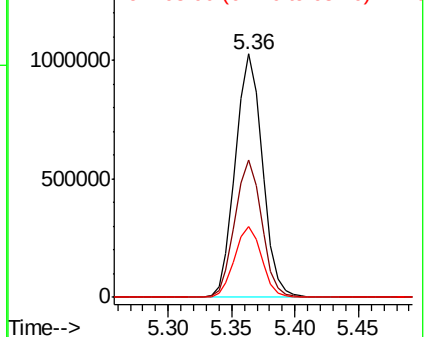
63 29.3 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 5.299 ng

RT: 7.11 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

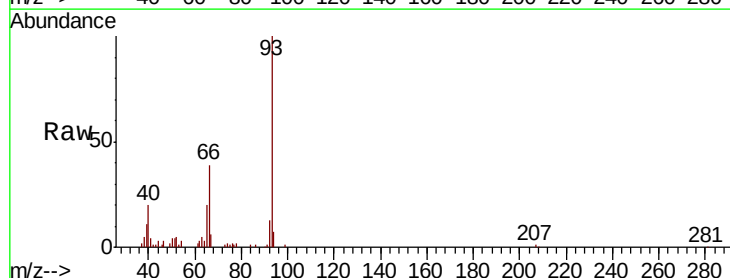
Tgt Ion: 93 Resp: 141403

Ion Ratio Lower Upper

93 100

66 38.7 31.3 46.9

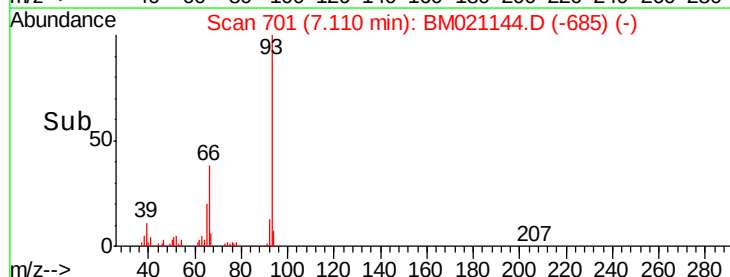
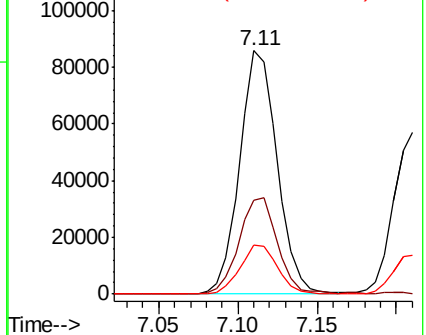
65 20.0 15.9 23.9

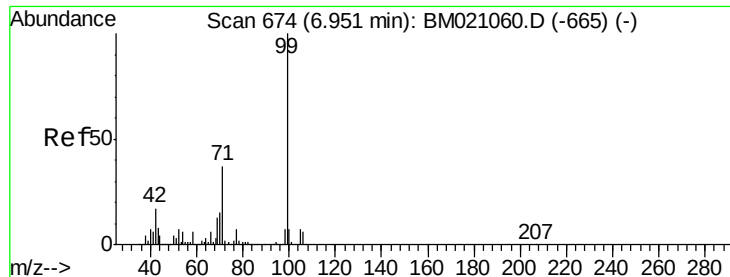


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 98.234 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM021144.D

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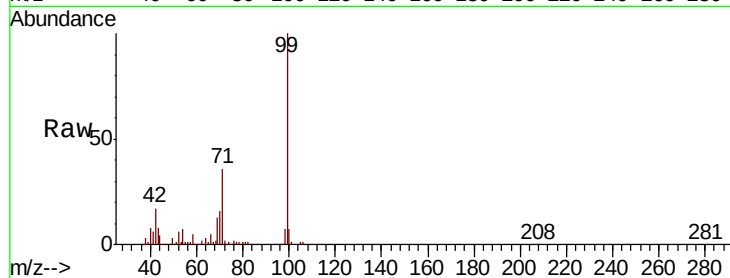
Tgt Ion: 99 Resp: 1968038

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

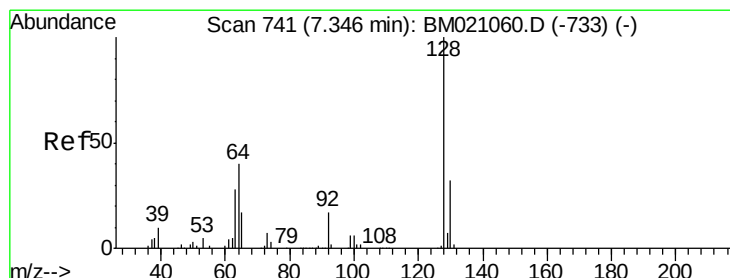
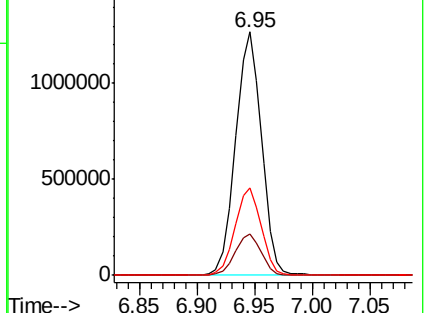
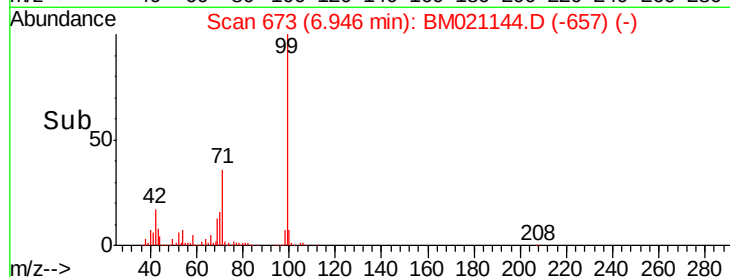
71 35.9 29.3 43.9



Abundance Ion 99.00 (98.70 to 99.70): BM021144.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM021144.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM021144.D (-657) (-)



#8

2-Chlorophenol

Concen: 6.493 ng

RT: 7.34 min Scan# 740

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

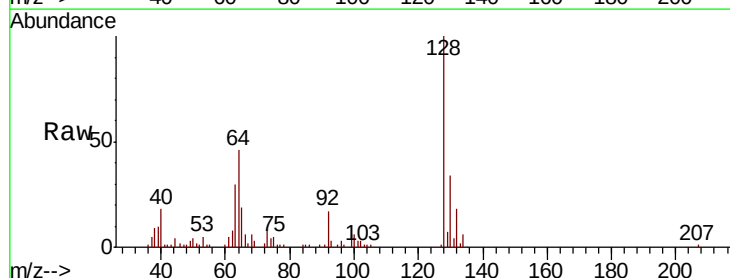
Tgt Ion: 128 Resp: 109937

Ion Ratio Lower Upper

128 100

130 34.3 12.2 52.2

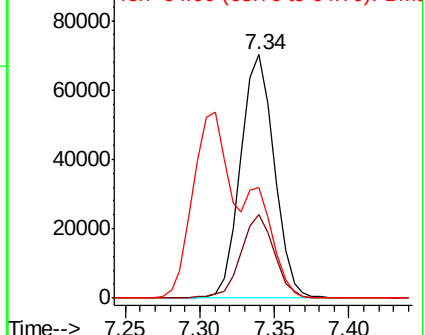
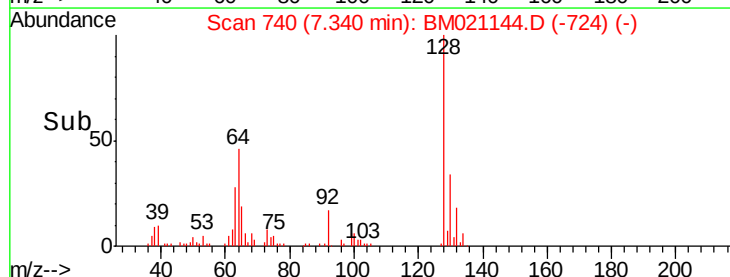
64 45.5 23.2 63.2

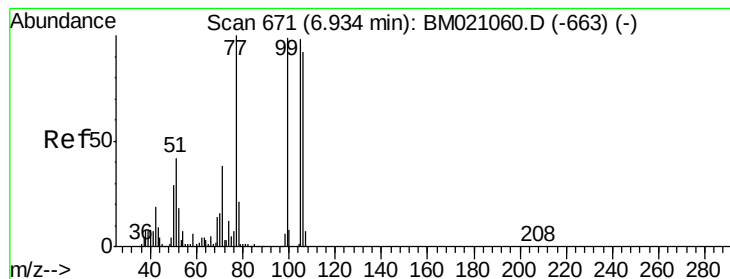


Abundance Ion 128.00 (127.70 to 128.70): BM021144.D (-724) (-)

Ion 130.00 (129.70 to 130.70): BM021144.D (-724) (-)

Ion 64.00 (63.70 to 64.70): BM021144.D (-724) (-)





#9

Benzaldehyde

Concen: 4.385 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.01 min

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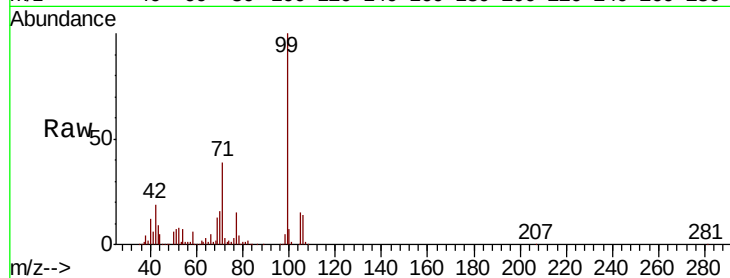
Tgt Ion: 77 Resp: 91376

Ion Ratio Lower Upper

77 100

105 97.3 77.8 117.8

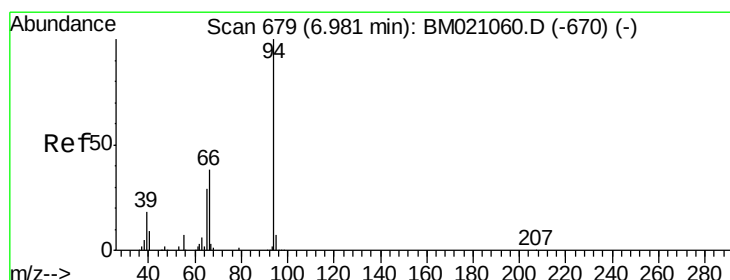
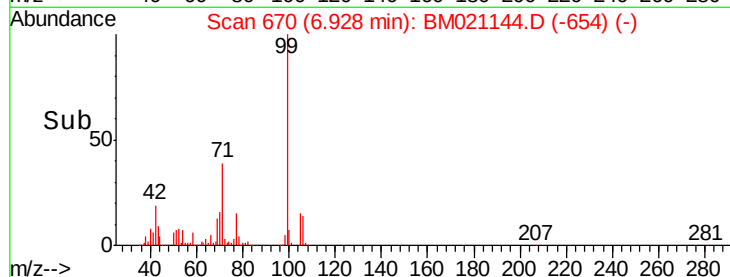
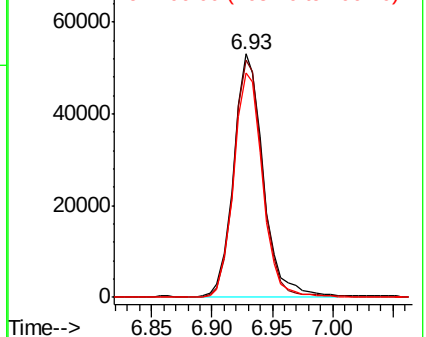
106 92.1 71.8 111.8



Abundance Ion 77.00 (76.70 to 77.70): BM021144.D (-654) (-)

Ion 105.00 (104.70 to 105.70): BM021144.D (-654) (-)

Ion 106.00 (105.70 to 106.70): BM021144.D (-654) (-)



#10

Phenol

Concen: 6.408 ng

RT: 6.97 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

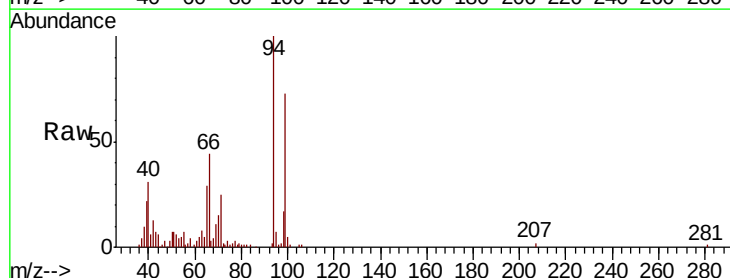
Tgt Ion: 94 Resp: 131147

Ion Ratio Lower Upper

94 100

65 29.3 8.7 48.7

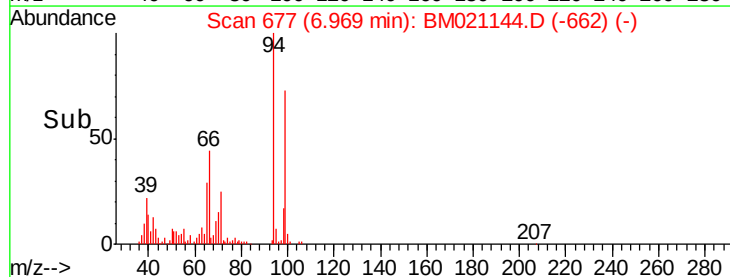
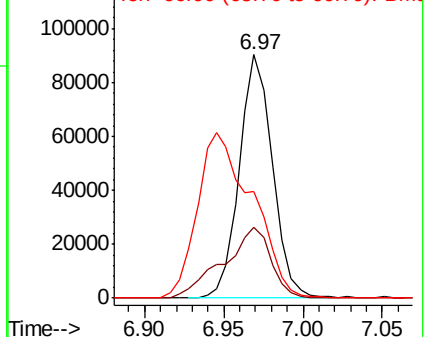
66 43.8 19.0 59.0

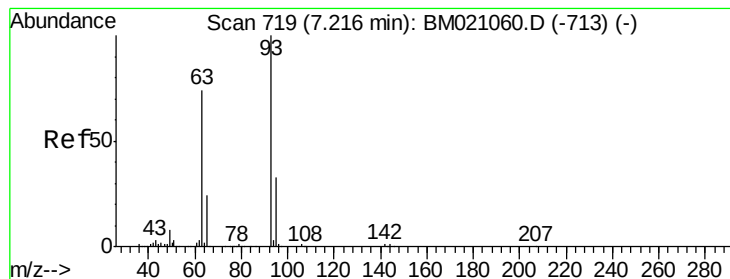


Abundance Ion 94.00 (93.70 to 94.70): BM021144.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM021144.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM021144.D (-662) (-)





#11

bis(2-Chloroethyl)ether

Concen: 5.318 ng

RT: 7.21 min Scan# 718

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

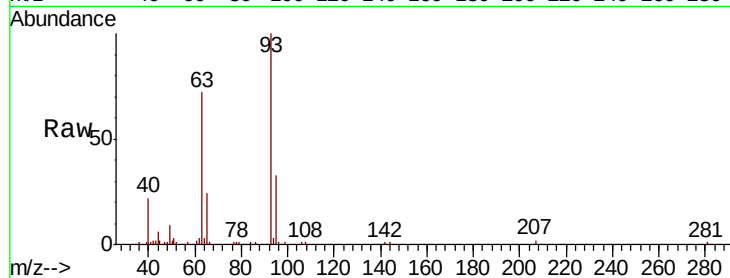
Tgt Ion: 93 Resp: 86180

Ion Ratio Lower Upper

93 100

63 72.3 53.4 93.4

95 33.2 13.0 53.0

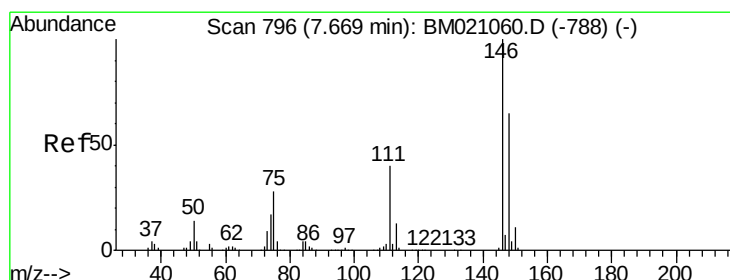
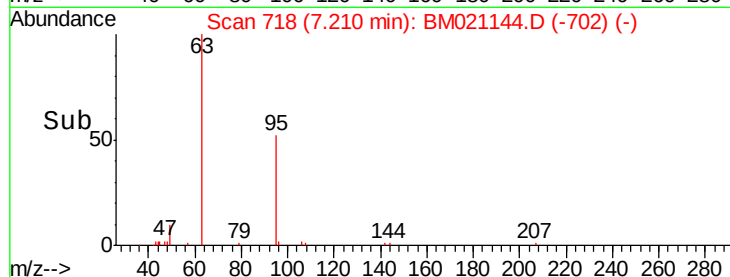
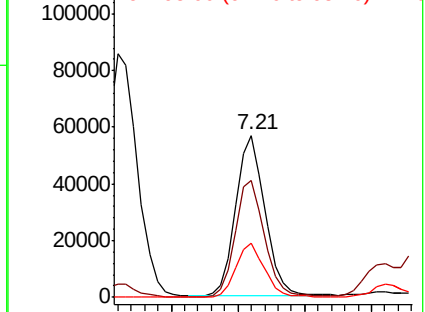


Abundance

Ion 93.00 (92.70 to 93.70): BM021144.D (-702) (-)

Ion 63.00 (62.70 to 63.70): BM021144.D (-702) (-)

Ion 95.00 (94.70 to 95.70): BM021144.D (-702) (-)



#12

1,3-Dichlorobenzene

Concen: 6.508 ng

RT: 7.66 min Scan# 795

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

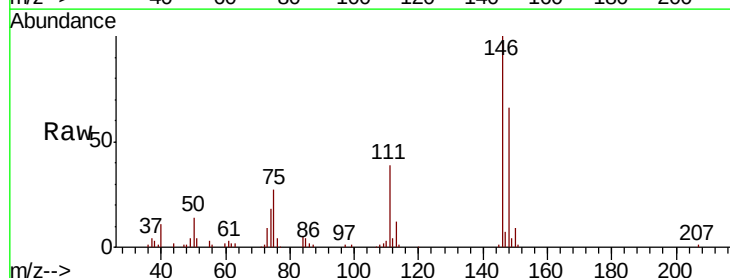
Tgt Ion: 146 Resp: 133507

Ion Ratio Lower Upper

146 100

148 65.7 52.2 78.2

75 26.9 22.2 33.4

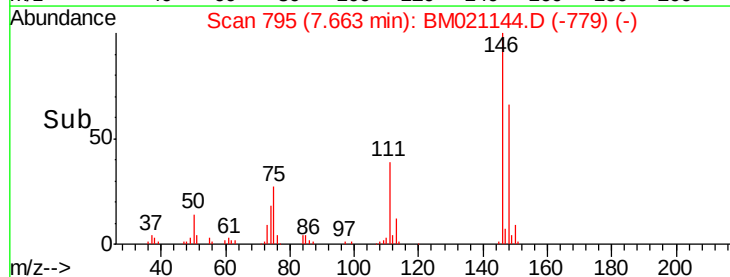
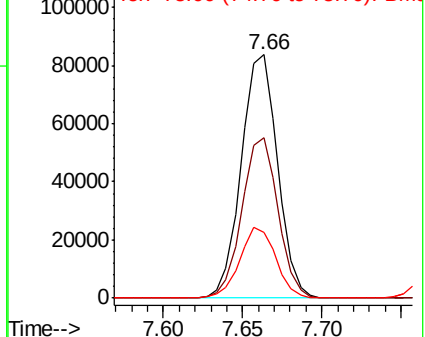


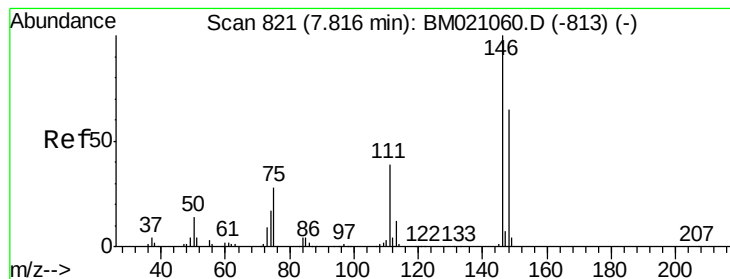
Abundance

Ion 146.00 (145.70 to 146.70): BM021144.D (-779) (-)

Ion 148.00 (147.70 to 148.70): BM021144.D (-779) (-)

Ion 75.00 (74.70 to 75.70): BM021144.D (-779) (-)





#13

1,4-Dichlorobenzene

Concen: 6.503 ng

RT: 7.81 min Scan# 820

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

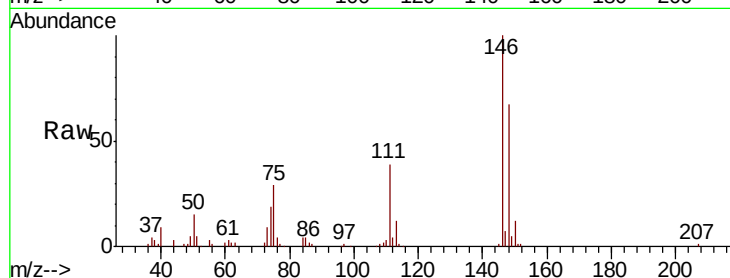
Tgt Ion:146 Resp: 135617

Ion Ratio Lower Upper

146 100

148 66.6 51.9 77.9

111 38.7 31.4 47.0

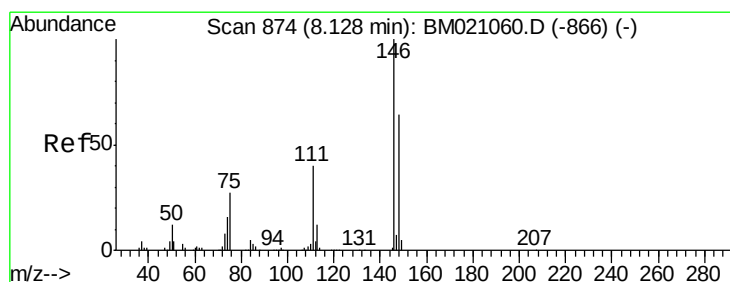
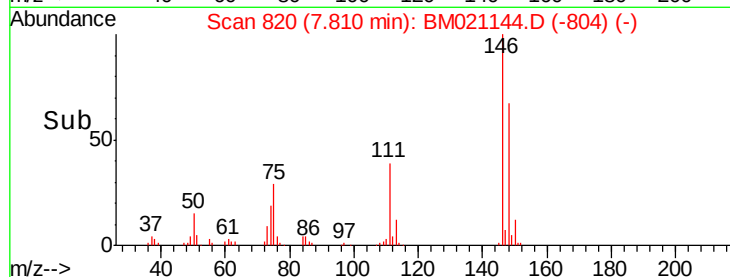
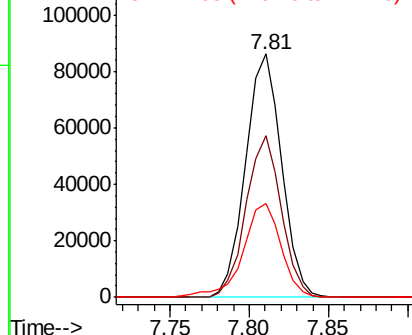


Abundance

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: 6.361 ng

RT: 8.12 min Scan# 873

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

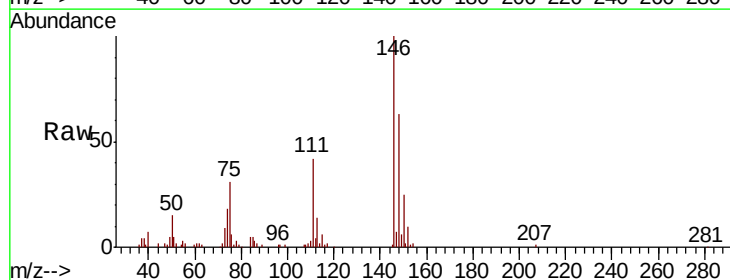
Tgt Ion:146 Resp: 130006

Ion Ratio Lower Upper

146 100

148 63.5 51.2 76.8

111 42.0 32.8 49.2

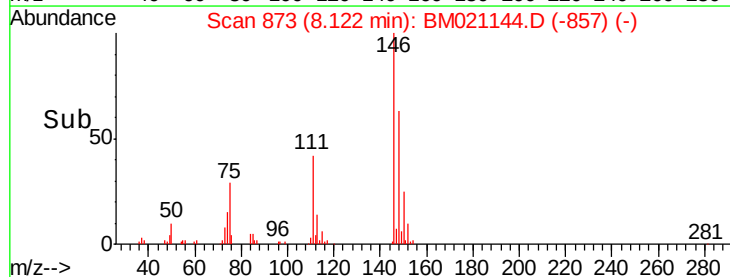
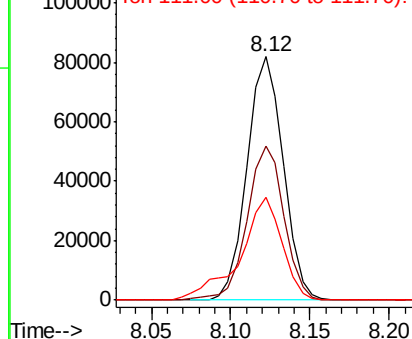


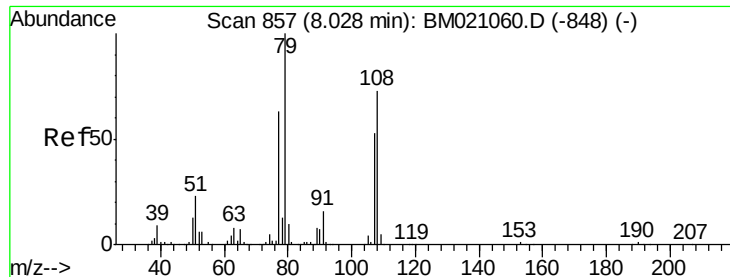
Abundance

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: 4.915 ng

RT: 8.02 min Scan# 856

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

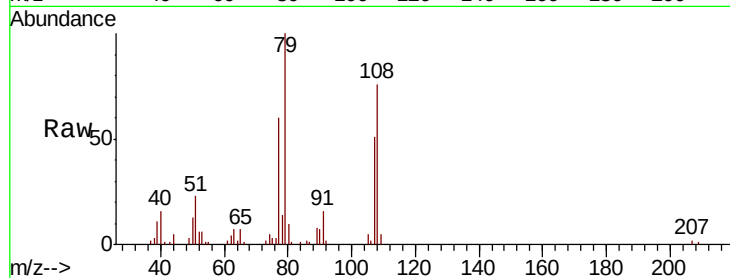
Tgt Ion: 79 Resp: 79726

Ion Ratio Lower Upper

79 100

108 75.9 58.4 87.6

77 59.9 50.1 75.1

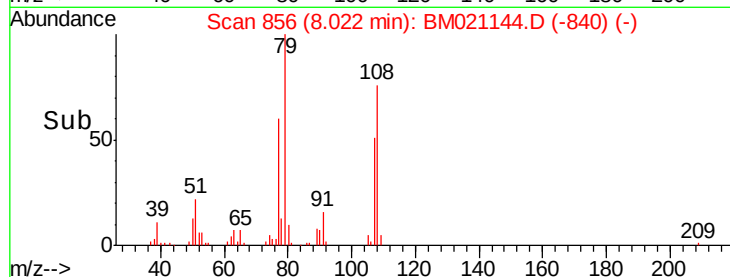


Abundance Ion 79.00 (78.70 to 79.70): BM021060.D (-848) (-)

Ion 108.00 (107.70 to 108.70): BM021060.D (-848) (-)

Ion 77.00 (76.70 to 77.70): BM021060.D (-848) (-)

Time-->

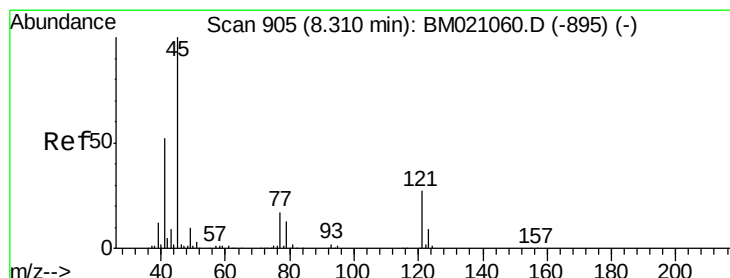


Abundance Ion 79.00 (78.70 to 79.70): BM021144.D (-840) (-)

Ion 108.00 (107.70 to 108.70): BM021144.D (-840) (-)

Ion 77.00 (76.70 to 77.70): BM021144.D (-840) (-)

Time-->



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.032 ng

RT: 8.30 min Scan# 904

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

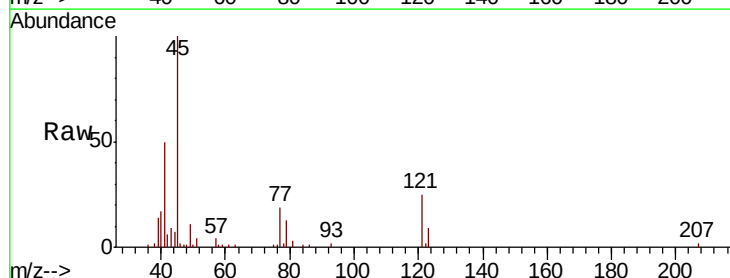
Tgt Ion: 45 Resp: 105473

Ion Ratio Lower Upper

45 100

77 18.6 0.0 37.5

79 13.4 0.0 33.5

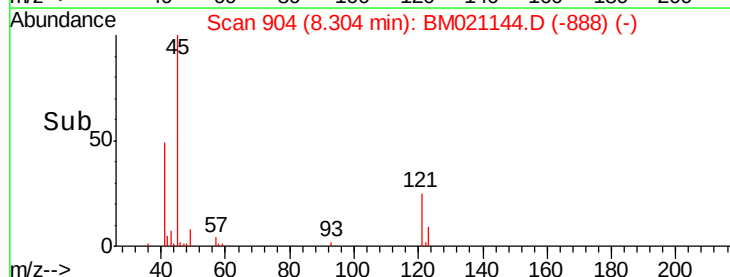


Abundance Ion 45.00 (44.70 to 45.70): BM021060.D (-895) (-)

Ion 77.00 (76.70 to 77.70): BM021060.D (-895) (-)

Ion 79.00 (78.70 to 79.70): BM021060.D (-895) (-)

Time-->

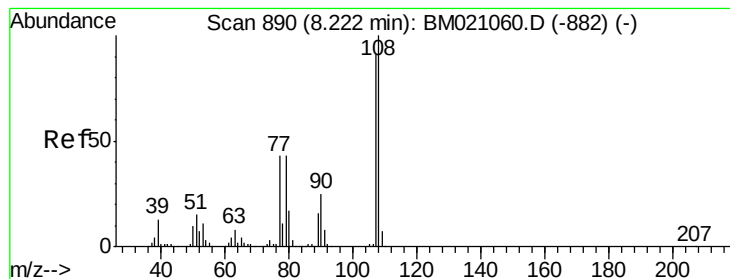


Abundance Ion 45.00 (44.70 to 45.70): BM021144.D (-888) (-)

Ion 77.00 (76.70 to 77.70): BM021144.D (-888) (-)

Ion 79.00 (78.70 to 79.70): BM021144.D (-888) (-)

Time-->



#17

2-Methylphenol

Concen: 5.186 ng

RT: 8.21 min Scan# 888

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:107 Resp: 75821

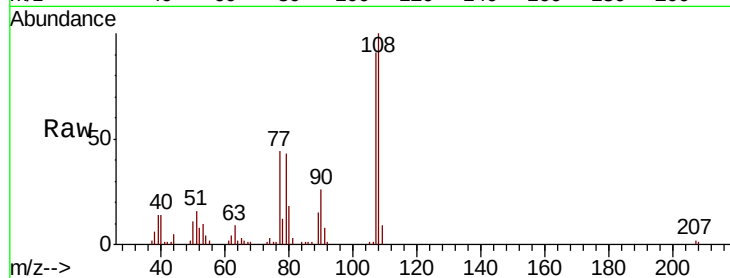
Ion Ratio Lower Upper

107 100

108 109.6 87.5 131.3

77 47.7 37.8 56.8

79 46.7 37.5 56.3



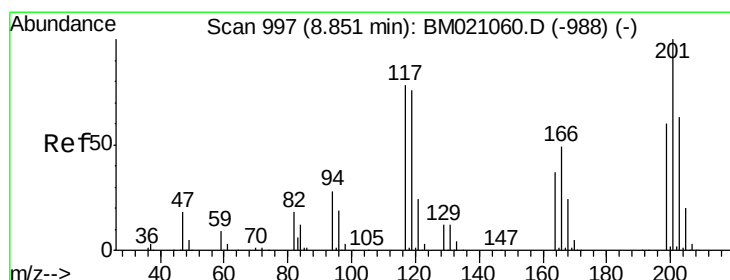
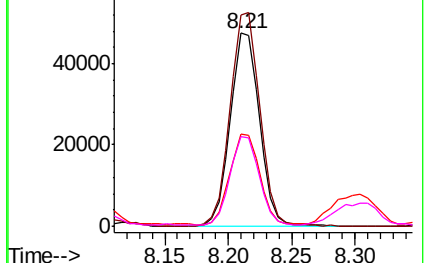
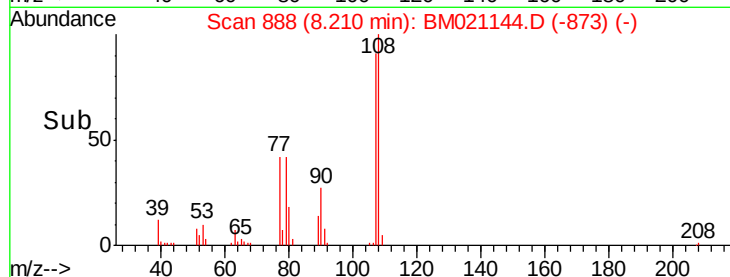
Abundance

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: 6.188 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

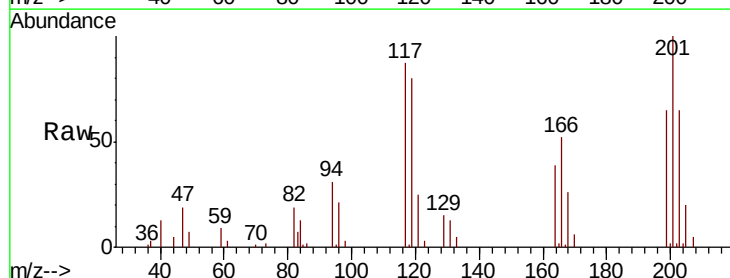
Tgt Ion:117 Resp: 46334

Ion Ratio Lower Upper

117 100

119 92.1 77.5 116.3

201 115.3 102.3 153.5

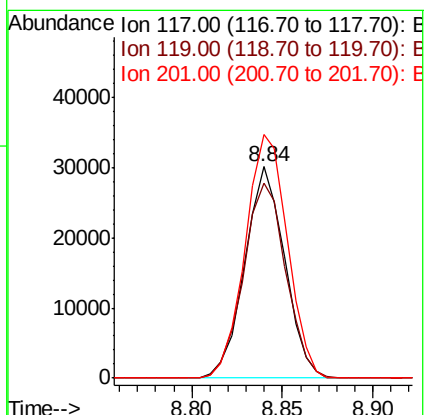
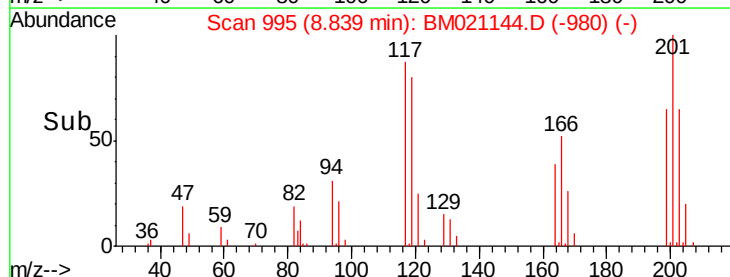


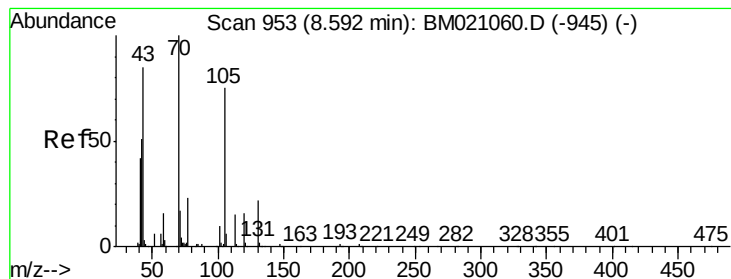
Abundance

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: 4.694 ng

RT: 8.57 min Scan# 950

Delta R.T. -0.02 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 70 Resp: 68440

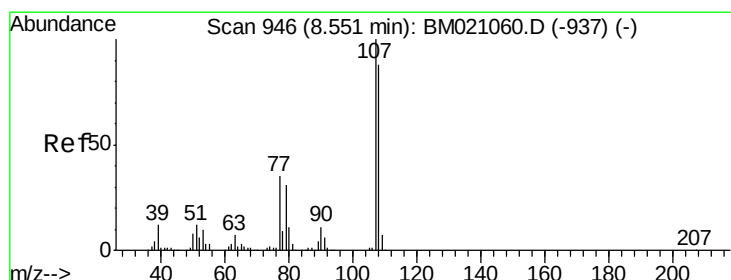
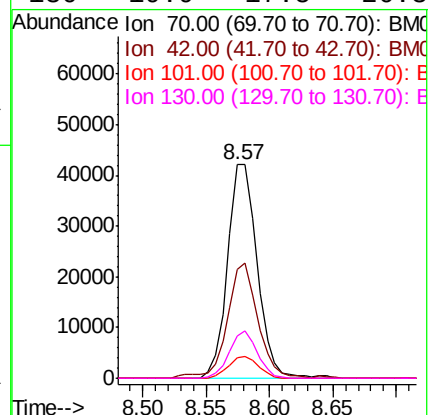
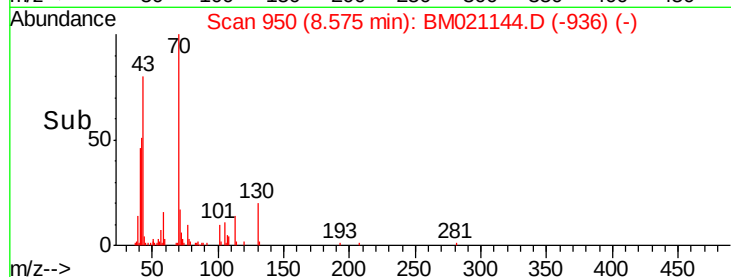
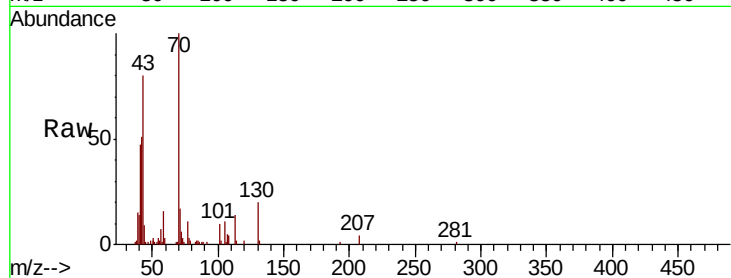
Ion Ratio Lower Upper

70 100

42 50.9 41.9 62.9

101 9.7 8.1 12.1

130 19.9 17.5 26.3



#20

3+4-Methylphenols

Concen: 5.120 ng

RT: 8.54 min Scan# 944

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Tgt Ion: 107 Resp: 103032

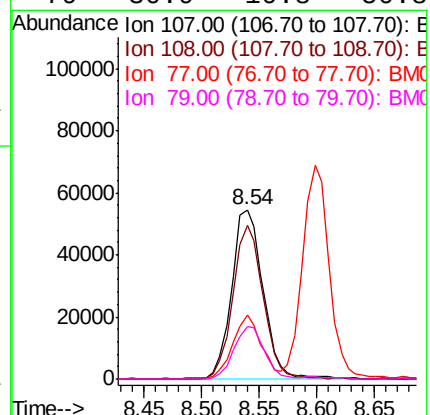
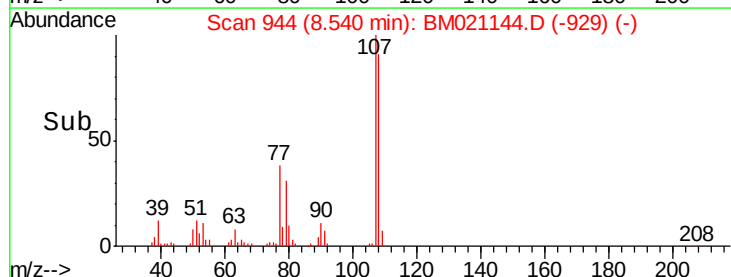
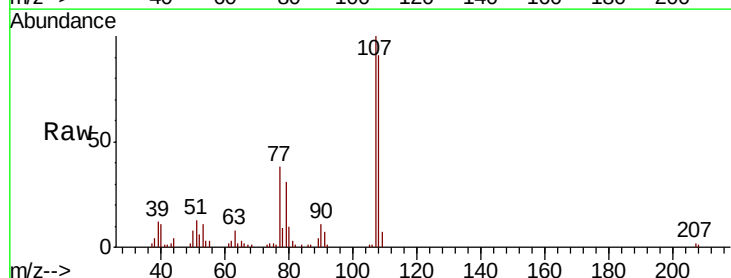
Ion Ratio Lower Upper

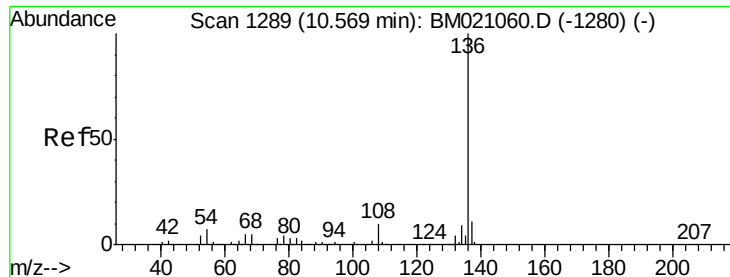
107 100

108 90.5 67.9 107.9

77 37.7 14.6 54.6

79 30.9 10.8 50.8

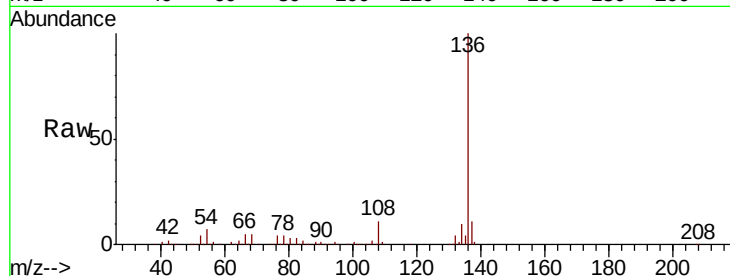




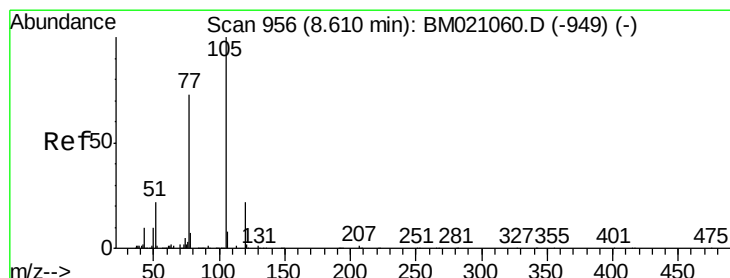
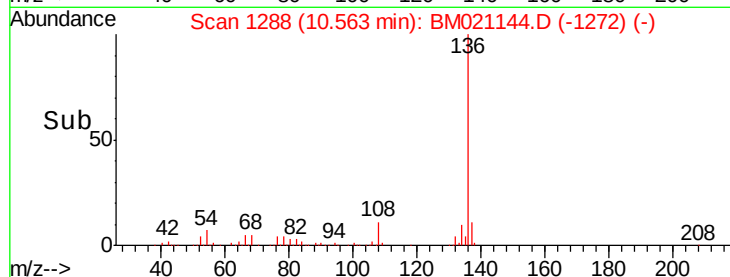
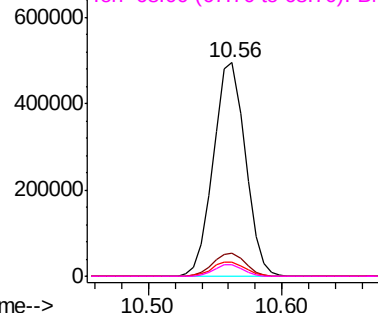
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.56 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:	136	Resp:	822413
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.9	5.3	7.9
68	5.3	4.4	6.6

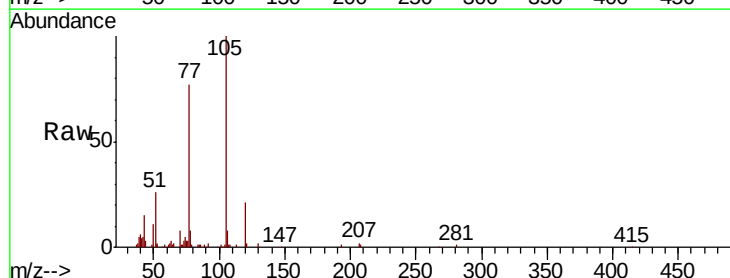


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

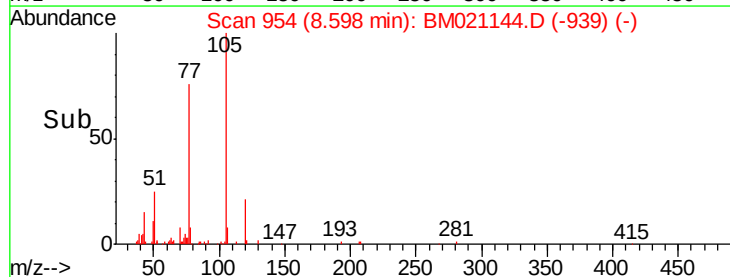
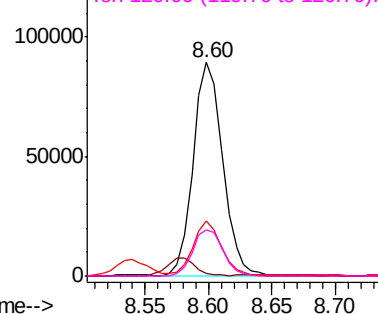


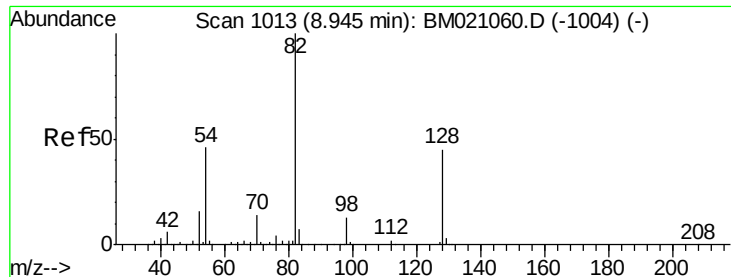
#22
Acetophenone
Concen: 6.948 ng
RT: 8.60 min Scan# 954
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:	105	Resp:	145623
Ion	Ratio	Lower	Upper
105	100		
71	1.0	1.2	1.8#
51	25.9	19.1	28.7
120	21.4	17.9	26.9



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM
Ion 51.00 (50.70 to 51.70): BM
Ion 120.00 (119.70 to 120.70): E

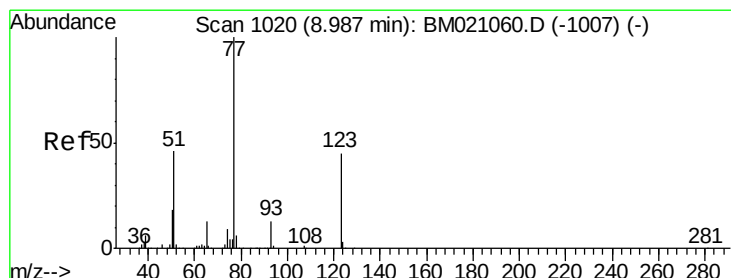
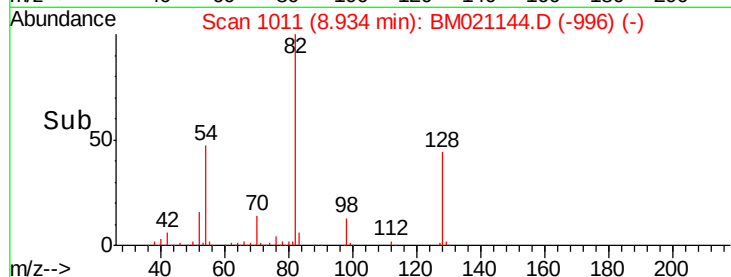
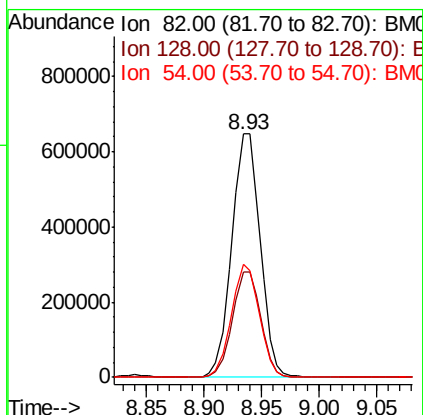
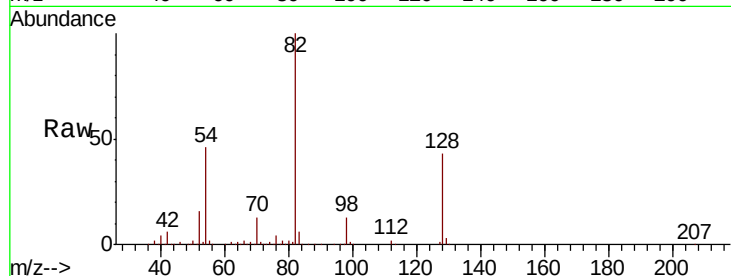




#23
Nitrobenzene-d5
Concen: 70.253 ng
RT: 8.93 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

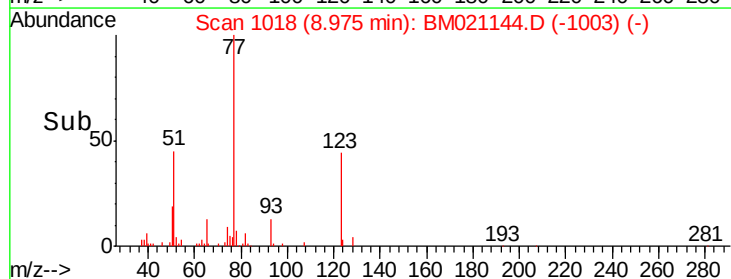
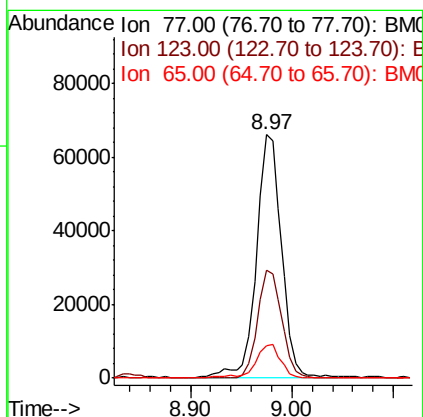
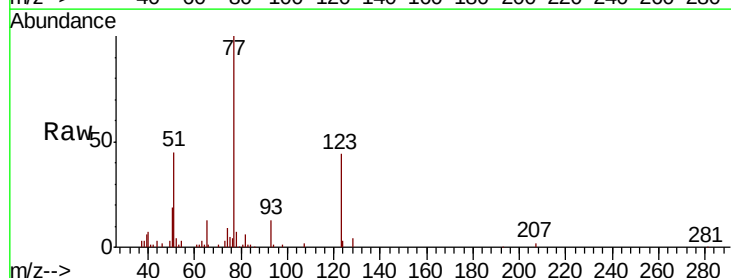
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

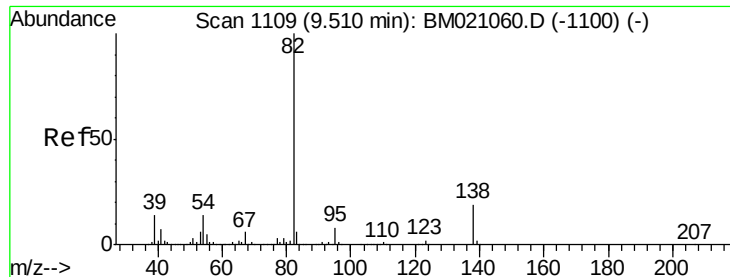
Tgt Ion: 82 Resp: 1108607
Ion Ratio Lower Upper
82 100
128 43.5 35.9 53.9
54 46.5 36.6 55.0



#24
Nitrobenzene
Concen: 7.368 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion: 77 Resp: 115174
Ion Ratio Lower Upper
77 100
123 44.2 36.3 54.5
65 13.4 10.6 16.0





#25

Isophorone

Concen: 6.341 ng

RT: 9.50 min Scan# 1107

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

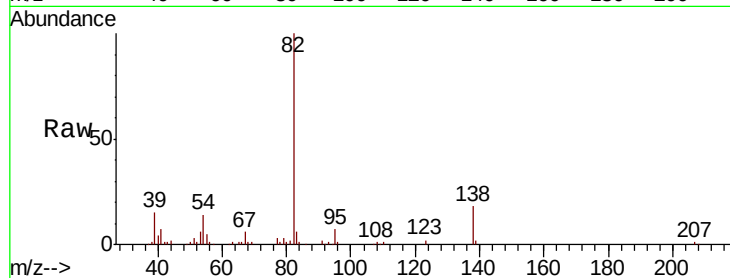
Tgt Ion: 82 Resp: 187238

Ion Ratio Lower Upper

82 100

95 7.5 6.1 9.1

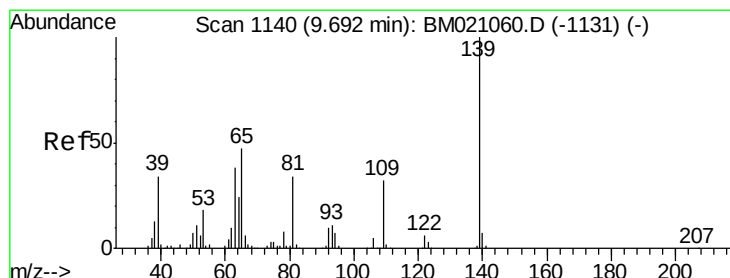
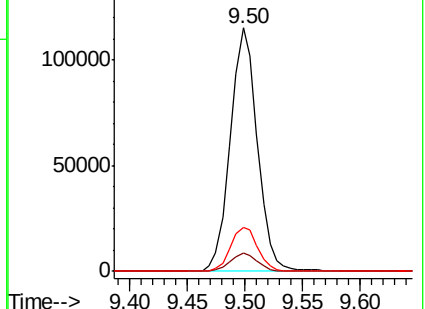
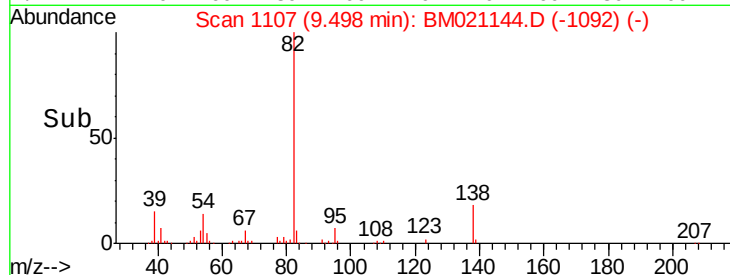
138 17.8 15.0 22.6



Abundance Ion 82.00 (81.70 to 82.70): BM021144.D (-1092) (-)

Ion 95.00 (94.70 to 95.70): BM021144.D (-1092) (-)

Ion 138.00 (137.70 to 138.70): BM021144.D (-1092) (-)



#26

2-Nitrophenol

Concen: 5.963 ng

RT: 9.69 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

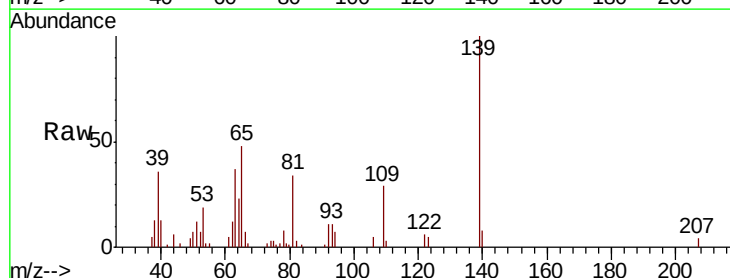
Tgt Ion: 139 Resp: 45643

Ion Ratio Lower Upper

139 100

109 28.9 25.2 37.8

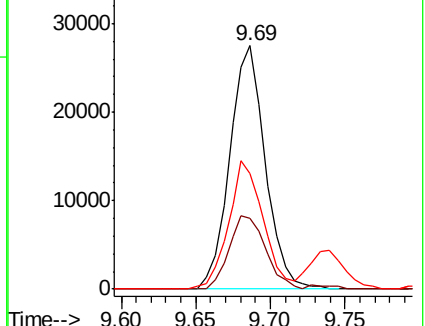
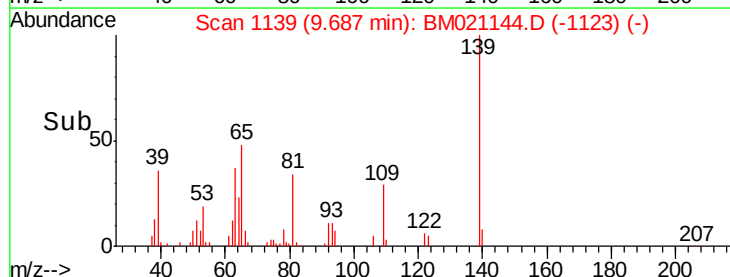
65 47.7 37.4 56.0

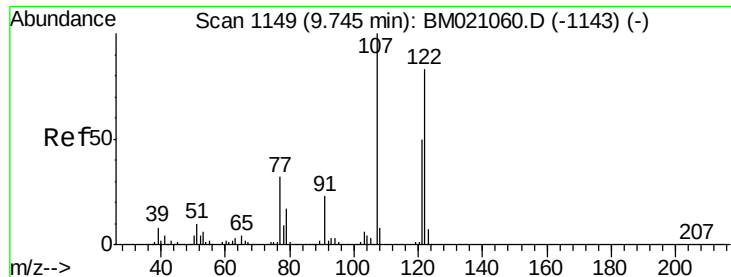


Abundance Ion 139.00 (138.70 to 139.70): BM021144.D (-1123) (-)

Ion 109.00 (108.70 to 109.70): BM021144.D (-1123) (-)

Ion 65.00 (64.70 to 65.70): BM021144.D (-1123) (-)

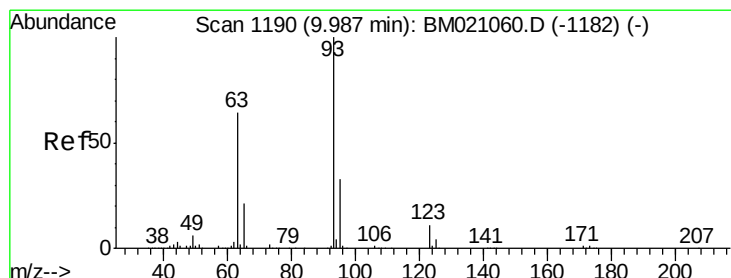
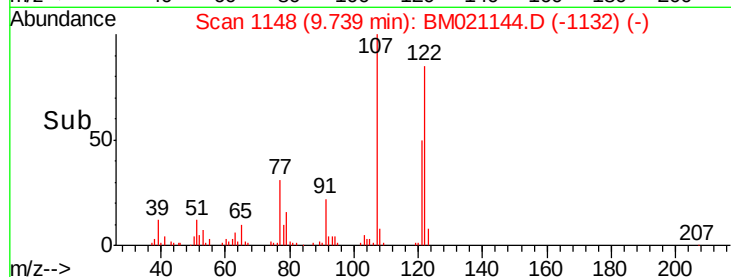
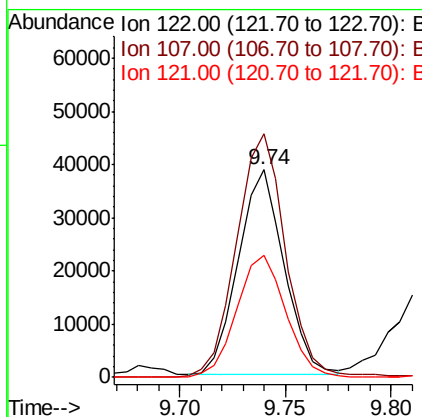
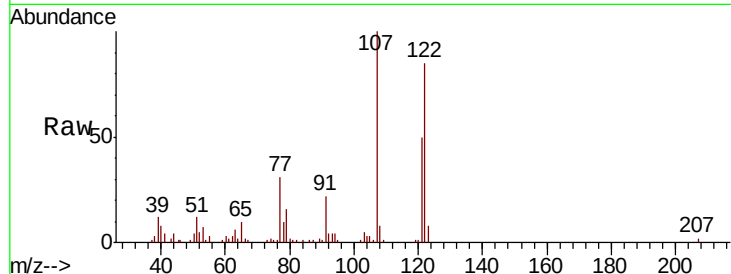




#27
 2,4-Dimethylphenol
 Concen: 5.218 ng
 RT: 9.74 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

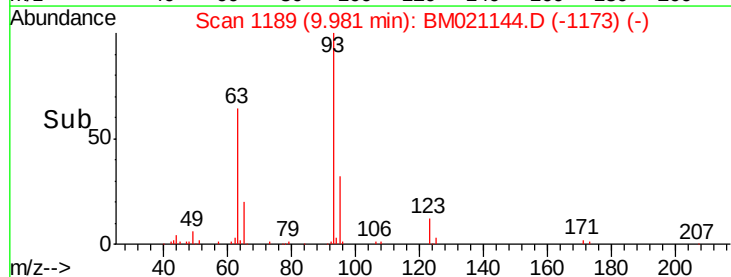
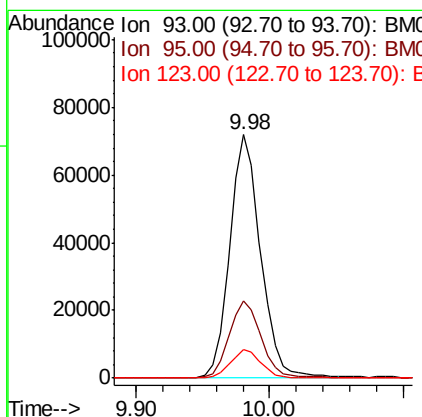
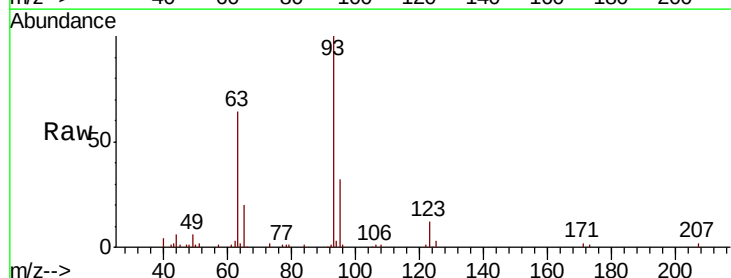
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

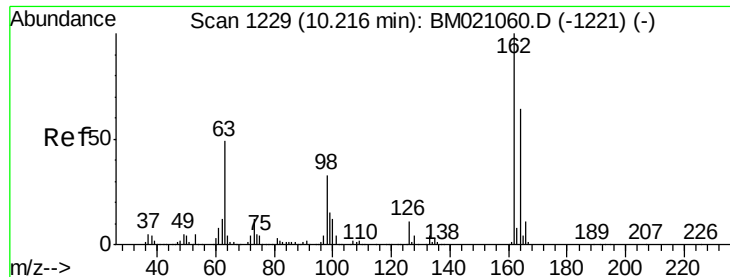
Tgt Ion:122 Resp: 58249
 Ion Ratio Lower Upper
 122 100
 107 117.5 95.3 142.9
 121 59.2 47.5 71.3



#28
 bis(2-Chloroethoxy)methane
 Concen: 6.324 ng
 RT: 9.98 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion: 93 Resp: 116037
 Ion Ratio Lower Upper
 93 100
 95 31.8 26.2 39.2
 123 11.8 9.0 13.4

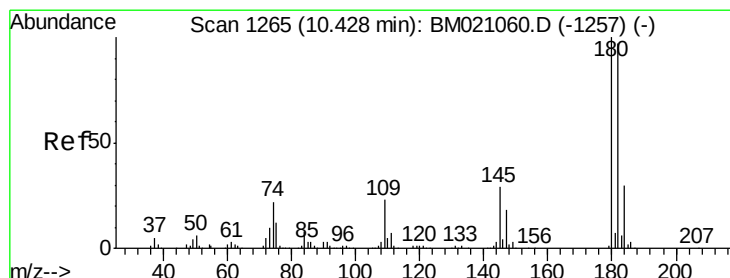
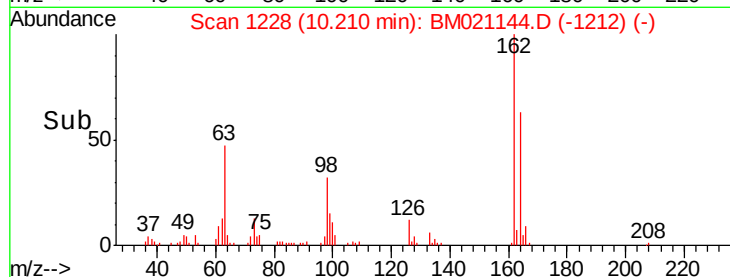
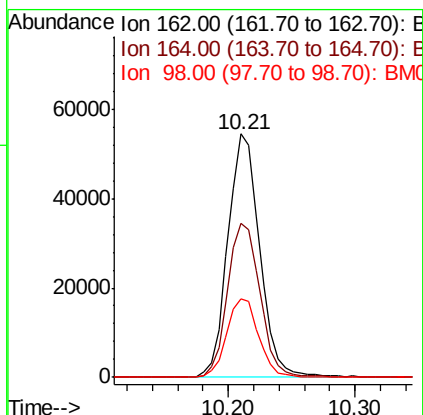
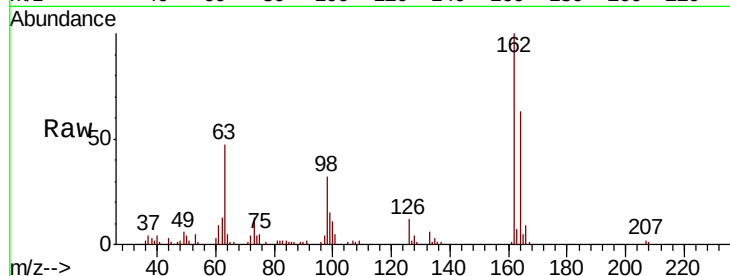




#29
2,4-Dichlorophenol
Concen: 6.540 ng
RT: 10.21 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

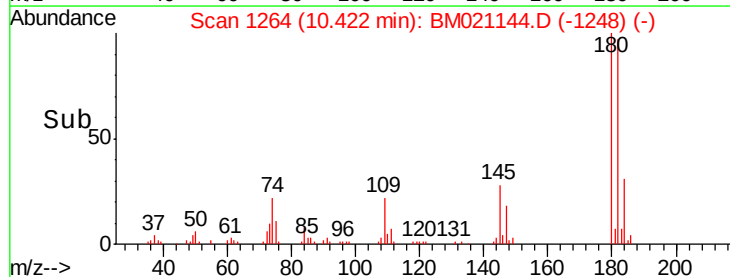
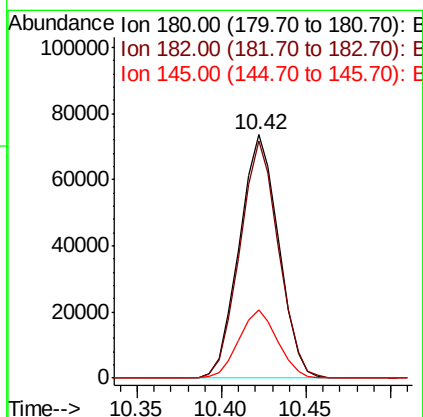
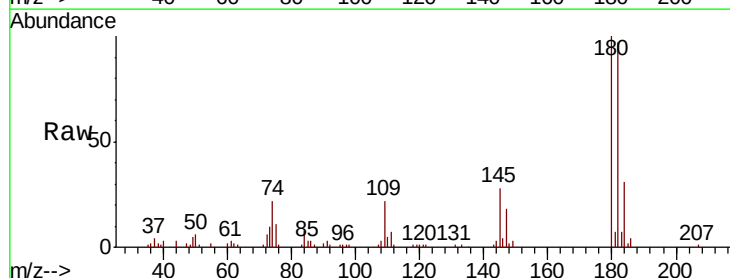
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

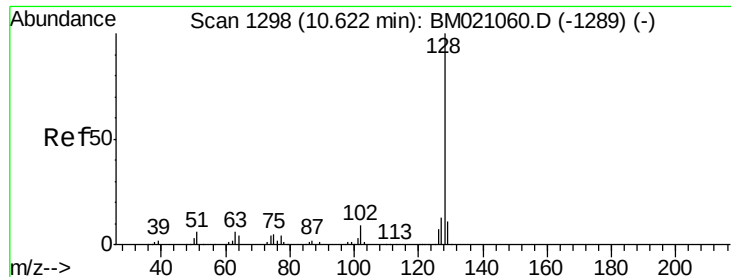
Tgt Ion:162 Resp: 94496
Ion Ratio Lower Upper
162 100
164 63.2 43.7 83.7
98 32.3 13.4 53.4



#30
1,2,4-Trichlorobenzene
Concen: 6.995 ng
RT: 10.42 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:180 Resp: 119132
Ion Ratio Lower Upper
180 100
182 97.3 78.0 117.0
145 28.1 23.4 35.0

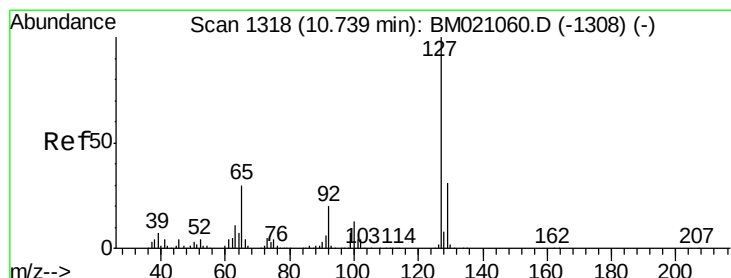
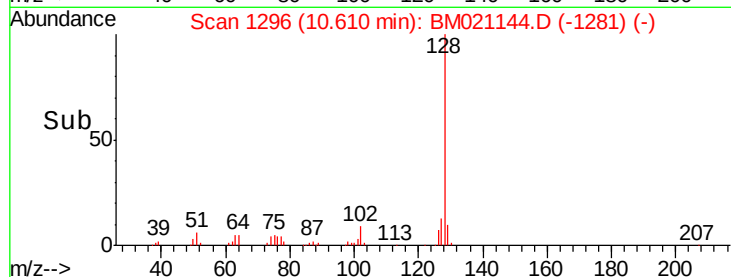
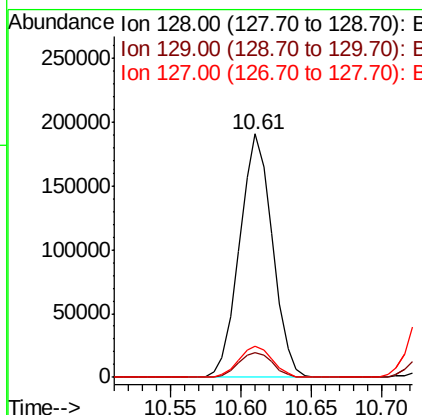
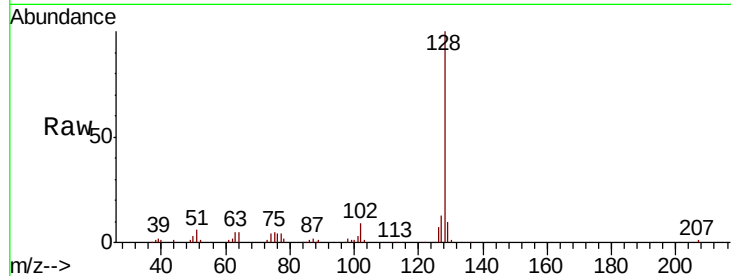




#31
Naphthalene
Concen: 7.130 ng
RT: 10.61 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

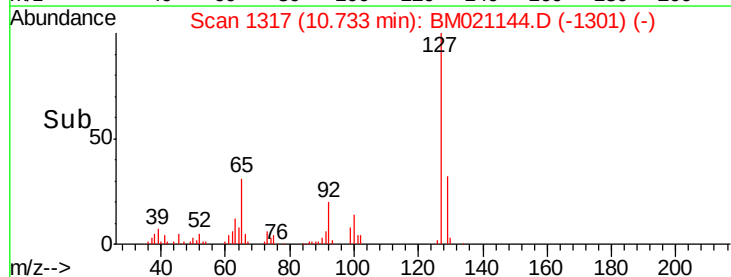
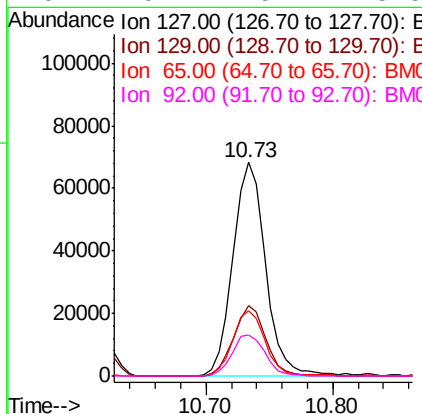
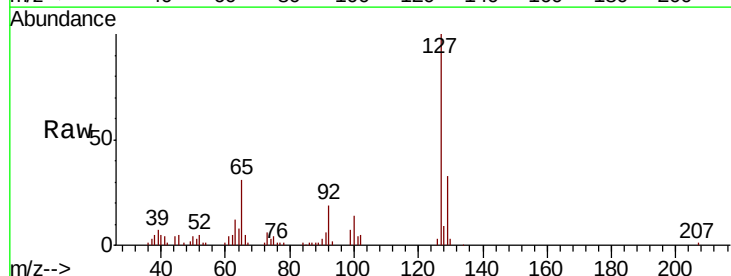
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

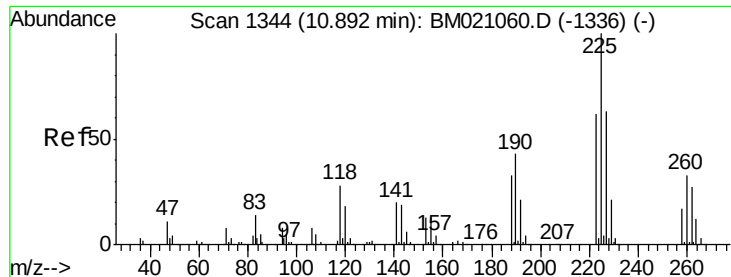
Tgt Ion:128 Resp: 310334
Ion Ratio Lower Upper
128 100
129 10.3 8.6 13.0
127 13.0 10.8 16.2



#33
4-Chloroaniline
Concen: 6.154 ng
RT: 10.73 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:127 Resp: 121590
Ion Ratio Lower Upper
127 100
129 32.8 25.1 37.7
65 30.8 23.8 35.8
92 19.4 15.7 23.5

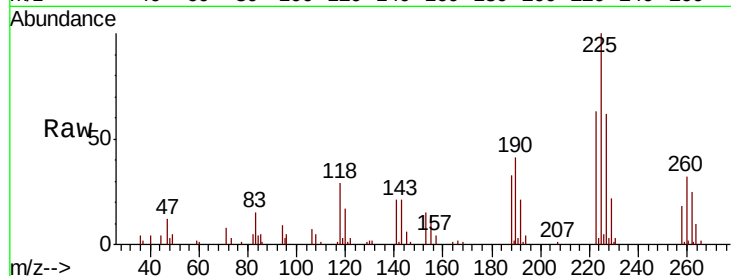




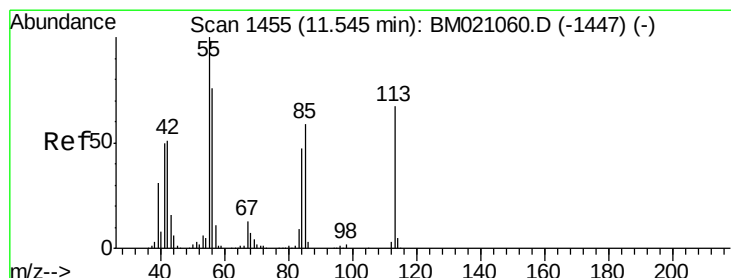
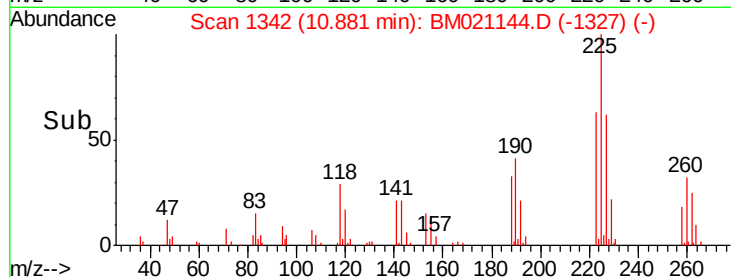
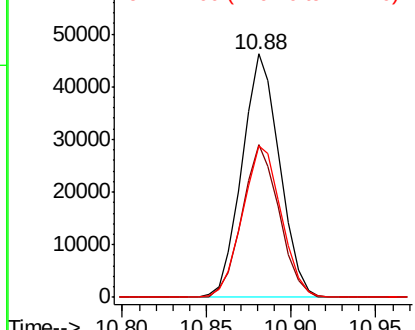
#34
Hexachlorobutadiene
Concen: 6.651 ng
RT: 10.88 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 225 Resp: 71519
Ion Ratio Lower Upper
225 100
223 62.7 49.6 74.4
227 62.0 50.4 75.6

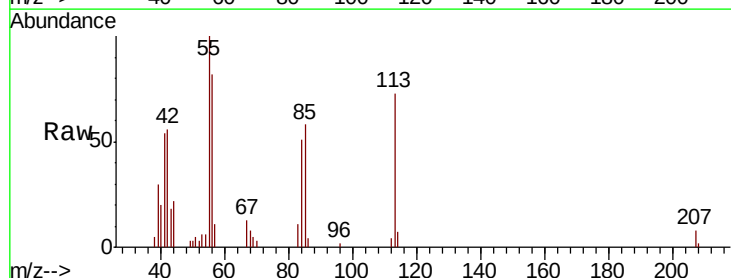


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

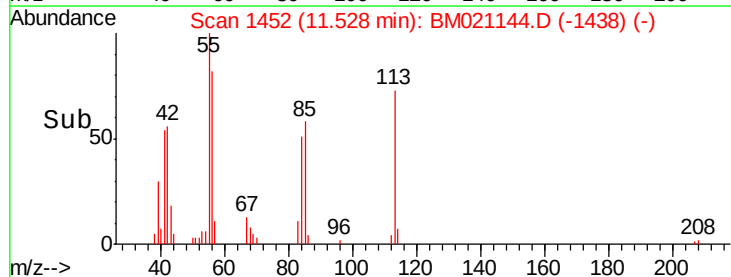
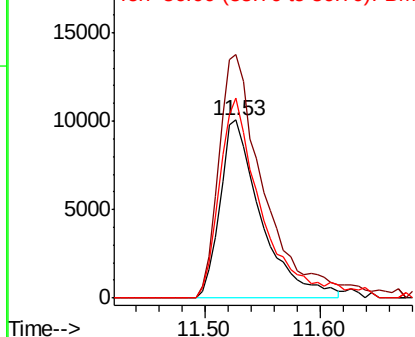


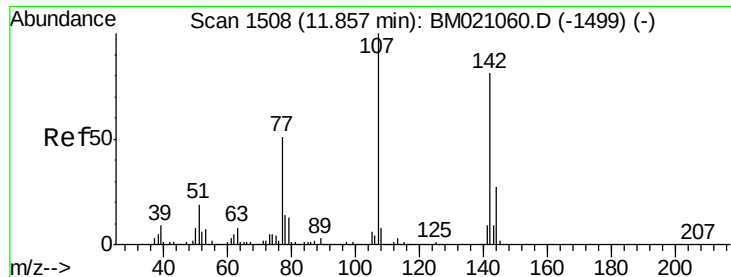
#35
Caprolactam
Concen: 5.483 ng
RT: 11.53 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion: 113 Resp: 24778
Ion Ratio Lower Upper
113 100
55 136.9 129.8 169.8
56 112.7 94.3 134.3



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BM
Ion 56.00 (55.70 to 56.70): BM

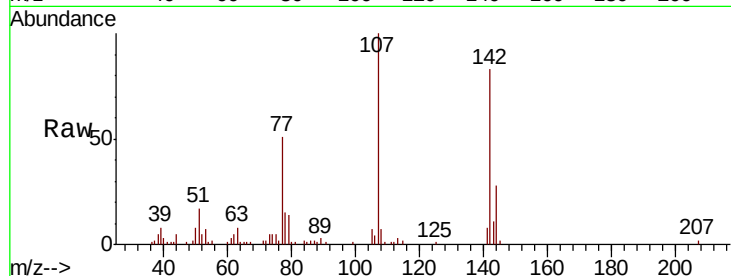




#36
 4-Chloro-3-methylphenol
 Concen: 6.445 ng
 RT: 11.85 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.2	21.3	31.9
142	83.1	64.9	97.3

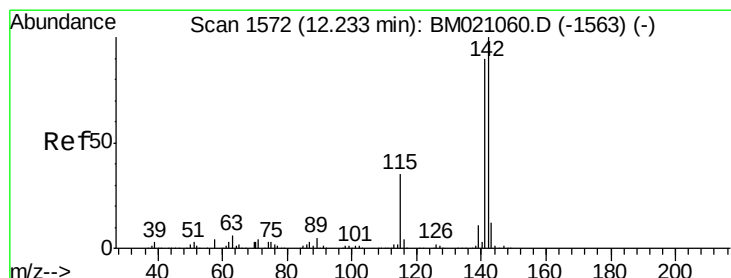
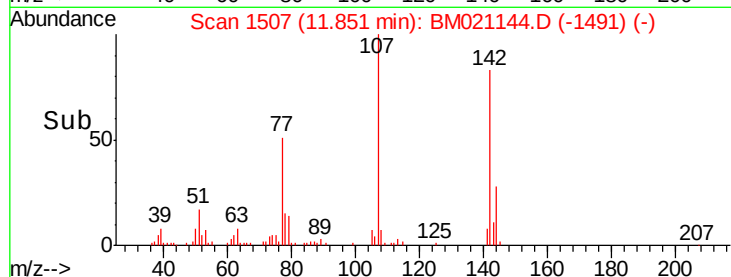
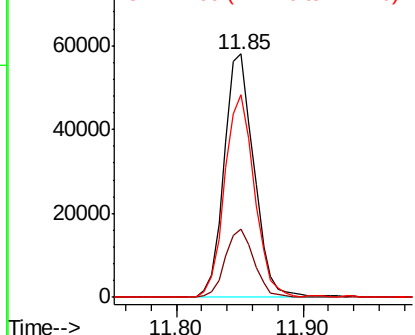


Abundance

Ion 107.00 (106.70 to 107.70): E

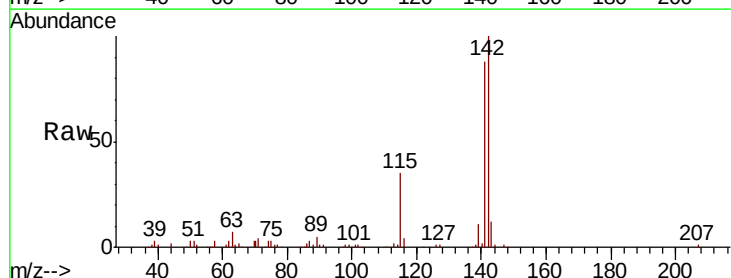
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37
 2-Methylnaphthalene
 Concen: 6.962 ng
 RT: 12.22 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.2	108.2
115	35.1	27.9	41.9

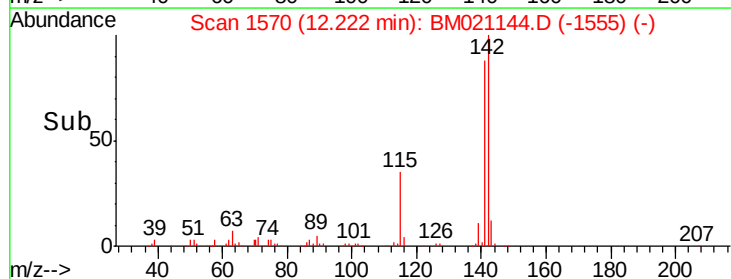
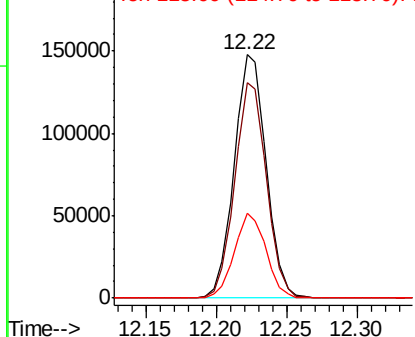


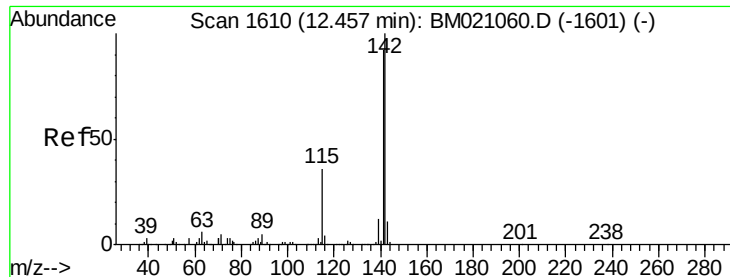
Abundance

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

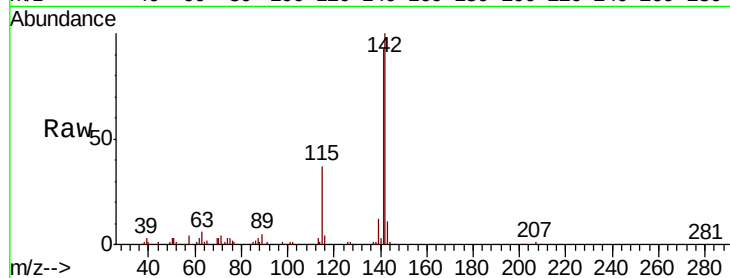




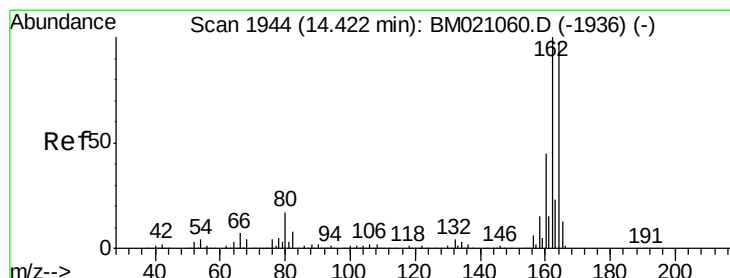
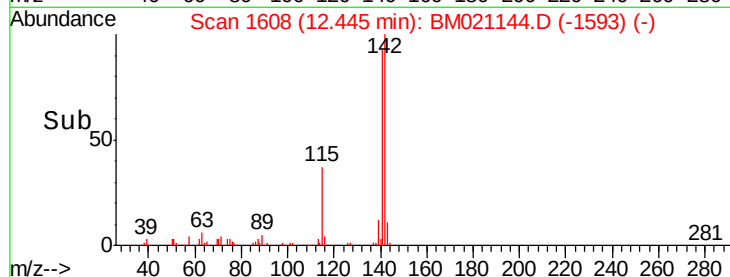
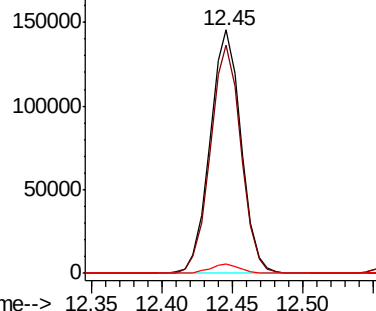
#38
1-Methylnaphthalene
Concen: 6.968 ng
RT: 12.45 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:142 Resp: 222571
Ion Ratio Lower Upper
142 100
141 93.5 73.9 110.9
116 3.8 3.0 4.6

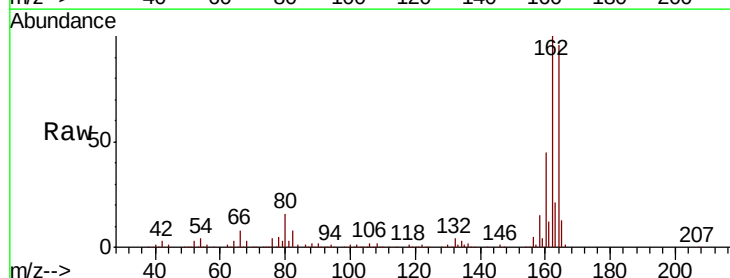


Abundance Ion 142.00 (141.70 to 142.70): E
200000 Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

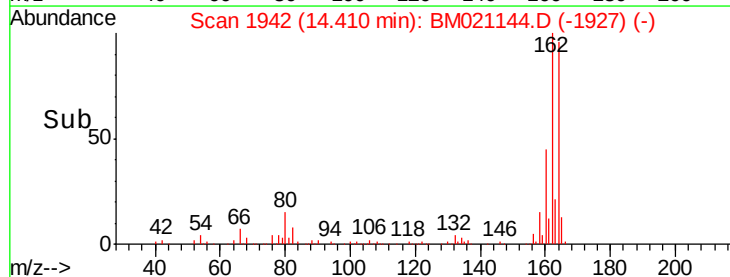
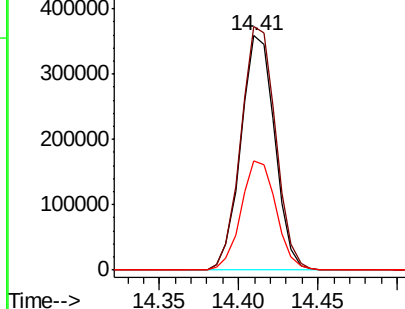


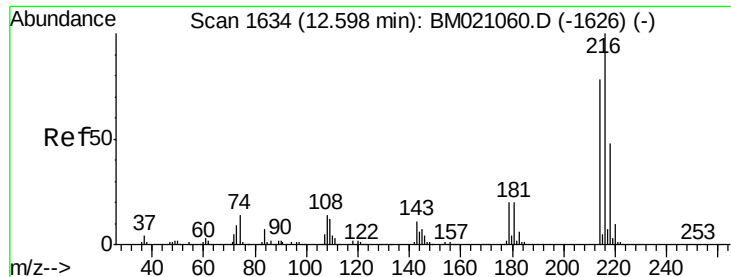
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:164 Resp: 532744
Ion Ratio Lower Upper
164 100
162 103.9 82.1 123.1
160 46.4 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E
500000 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: 6.727 ng

RT: 12.59 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:216 Resp: 135641

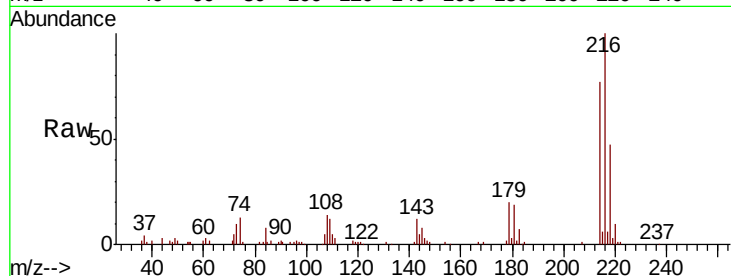
Ion Ratio Lower Upper

216 100

214 79.1 63.0 94.6

179 20.8 16.4 24.6

108 15.5 12.5 18.7

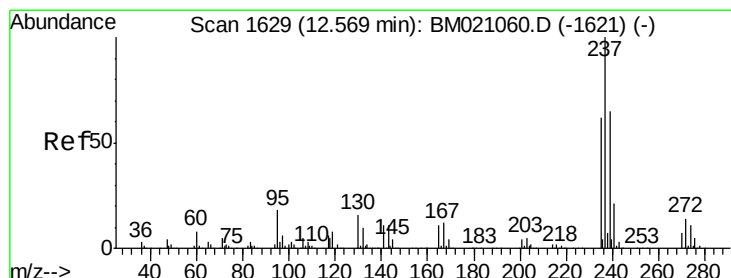
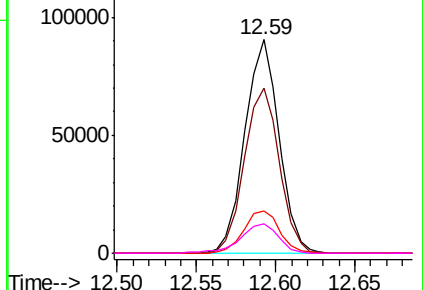
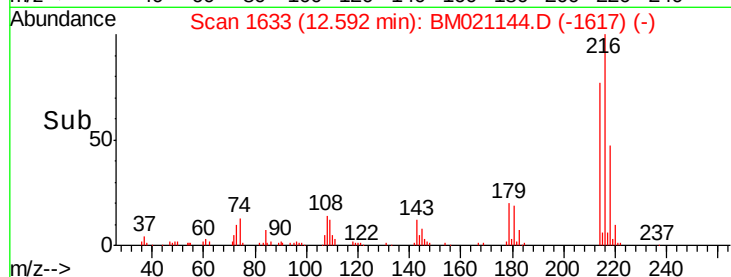


Abundance Ion 216.00 (215.70 to 216.70): E

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: 4.089 ng

RT: 12.56 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

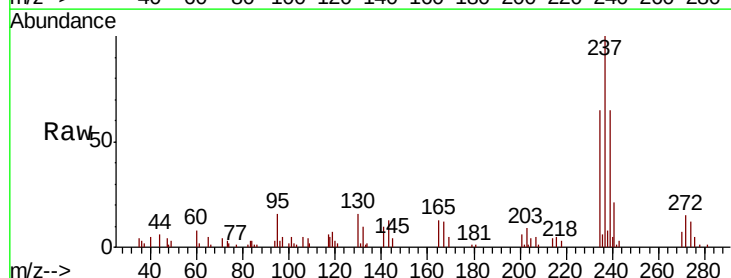
Tgt Ion:237 Resp: 47798

Ion Ratio Lower Upper

237 100

235 65.3 41.7 81.7

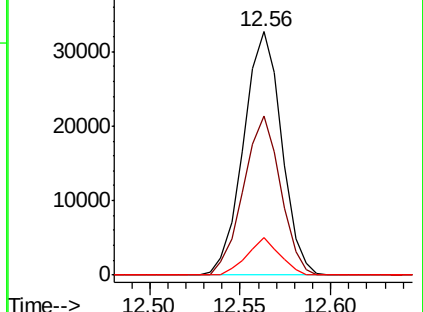
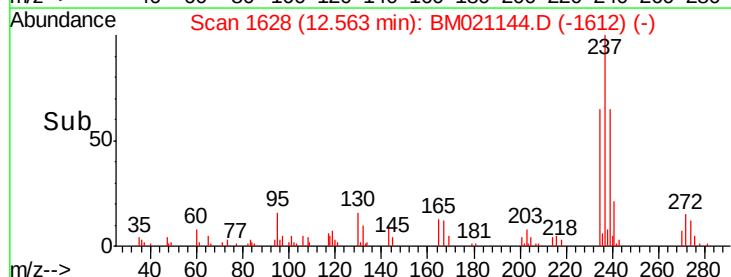
272 15.4 0.0 34.1

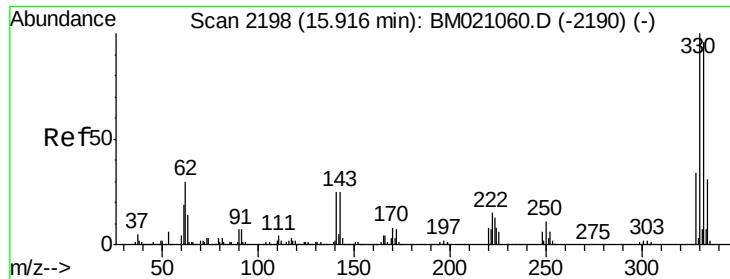


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

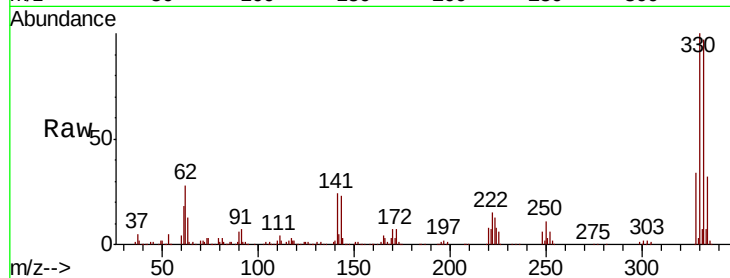




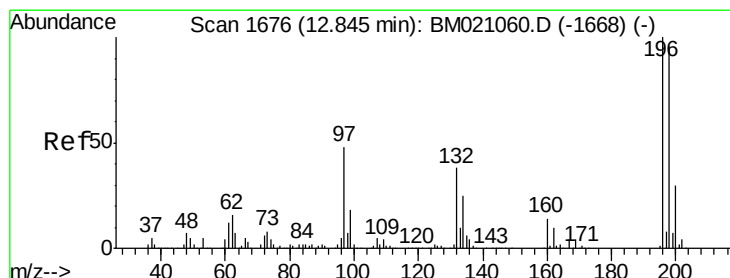
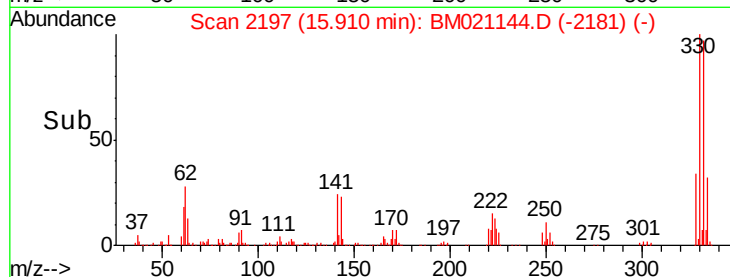
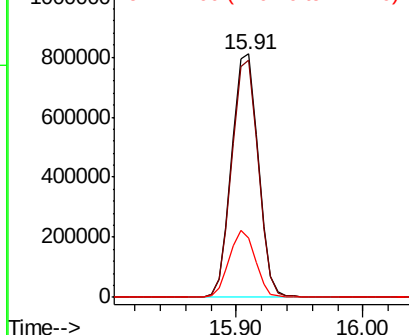
#42
 2,4,6-Tribromophenol
 Concen: 117.735 ng
 RT: 15.91 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:330 Resp: 1176955
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.1 115.7
 141 27.1 21.8 32.8

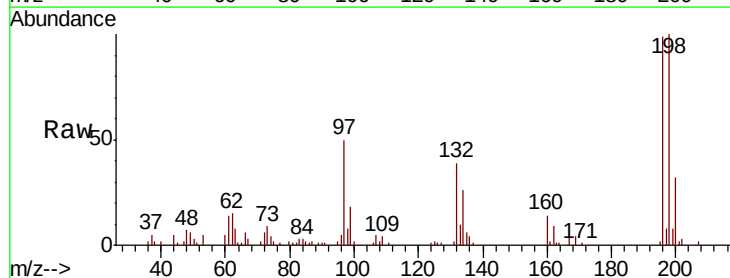


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

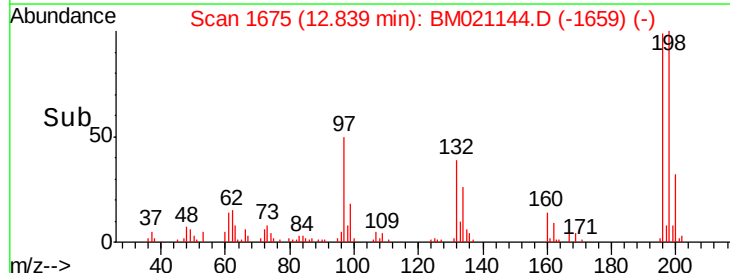
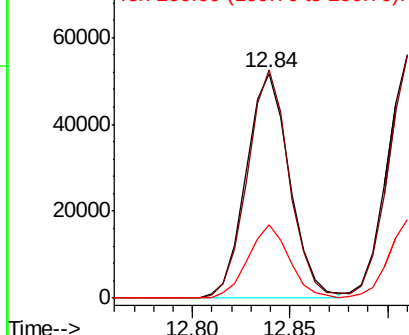


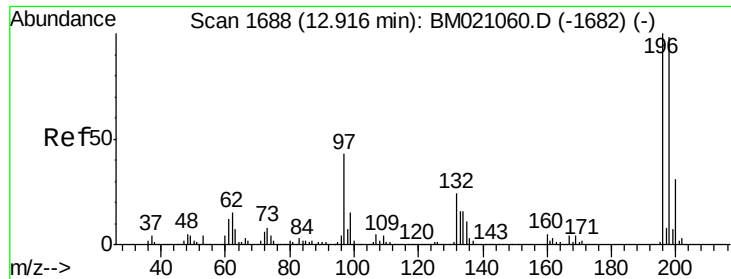
#43
 2,4,6-Trichlorophenol
 Concen: 5.996 ng
 RT: 12.84 min Scan# 1675
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion:196 Resp: 80010
 Ion Ratio Lower Upper
 196 100
 198 101.4 76.7 115.1
 200 32.7 24.2 36.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

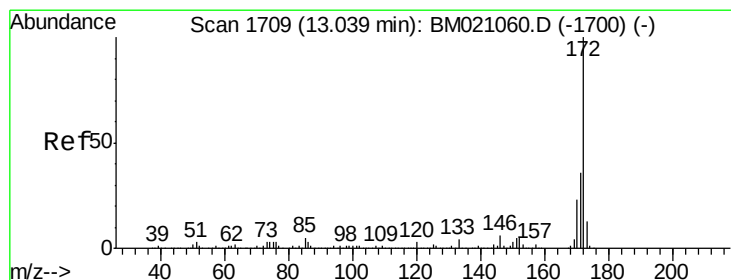
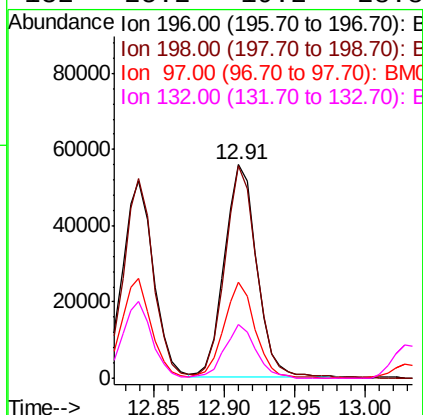
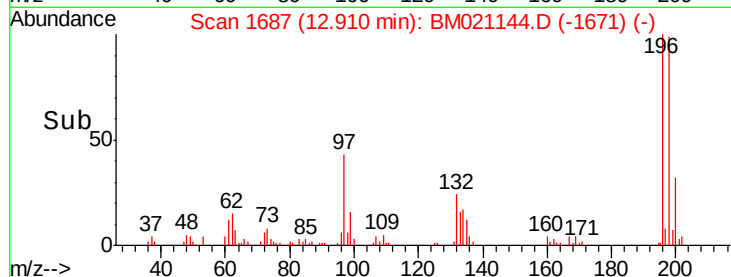
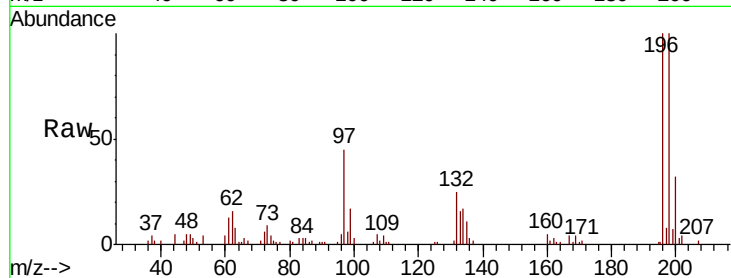




#44
2,4,5-Trichlorophenol
Concen: 6.391 ng
RT: 12.91 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

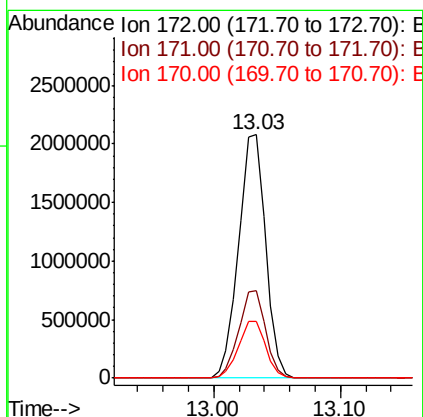
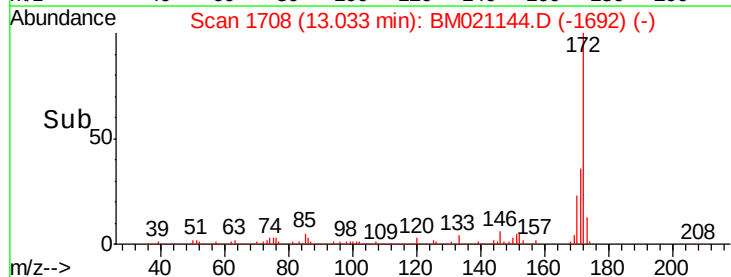
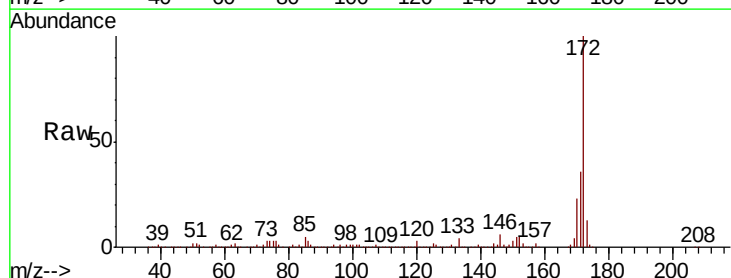
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

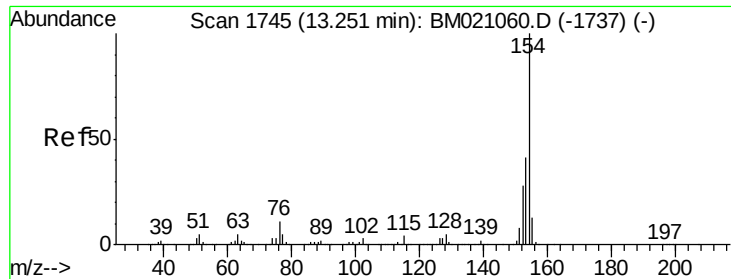
Tgt Ion:196 Resp: 88309
Ion Ratio Lower Upper
196 100
198 99.5 78.2 117.4
97 44.7 34.1 51.1
132 25.2 19.2 28.8



#45
2-Fluorobiphenyl
Concen: 70.827 ng
RT: 13.03 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:172 Resp: 3070181
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.1 18.7 28.1

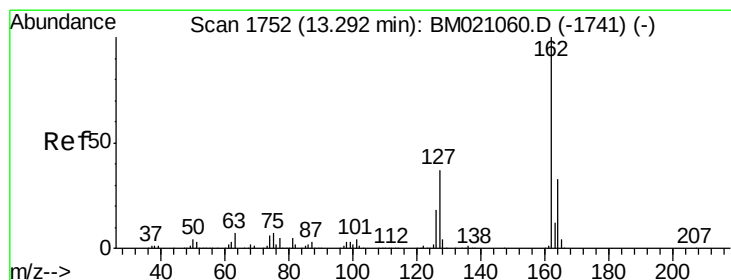
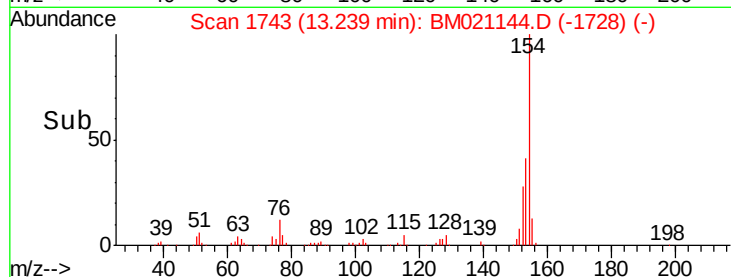
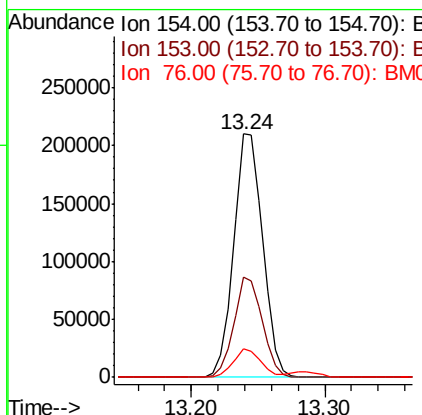
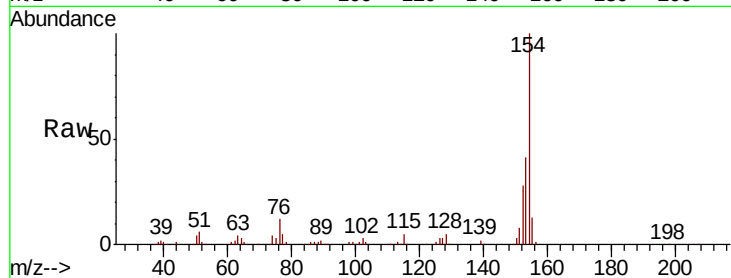




#46
 1,1'-Biphenyl
 Concen: 6.953 ng
 RT: 13.24 min Scan# 1743
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

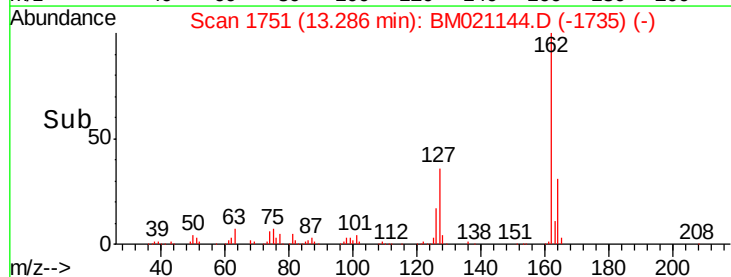
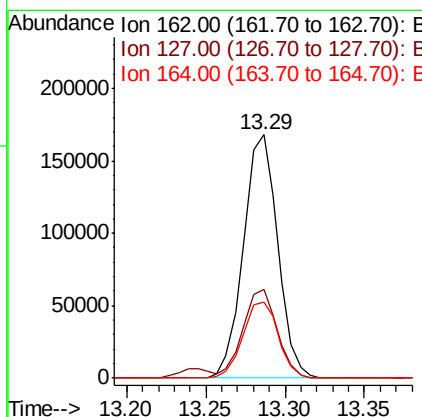
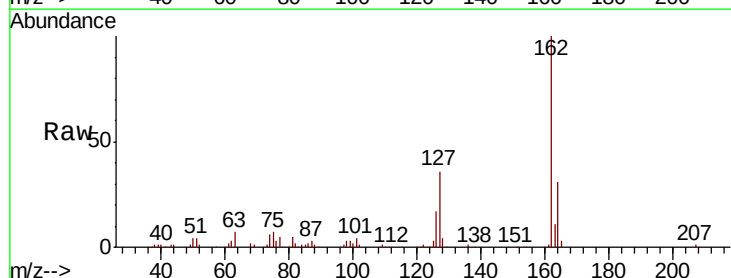
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

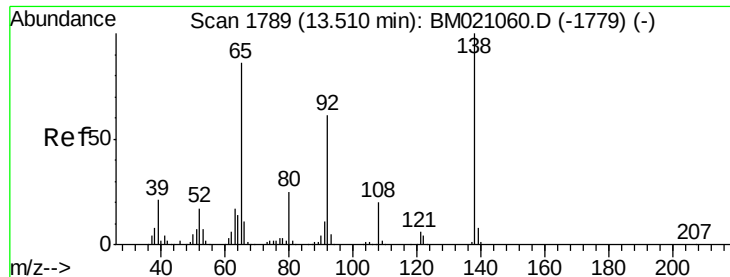
Tgt Ion:154 Resp: 317018
 Ion Ratio Lower Upper
 154 100
 153 41.2 21.3 61.3
 76 11.8 0.0 30.9



#47
 2-Chloronaphthalene
 Concen: 6.820 ng
 RT: 13.29 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion:162 Resp: 252571
 Ion Ratio Lower Upper
 162 100
 127 36.3 29.4 44.2
 164 31.3 26.5 39.7

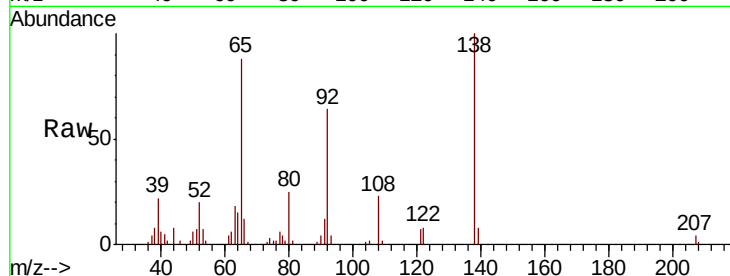




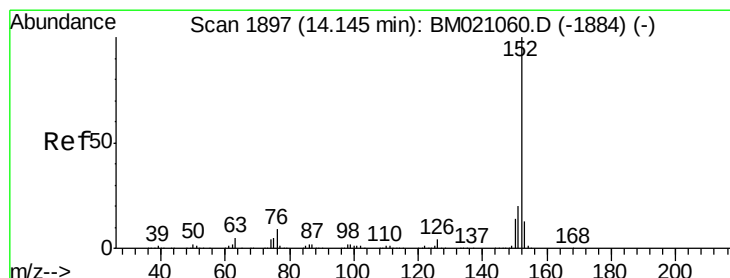
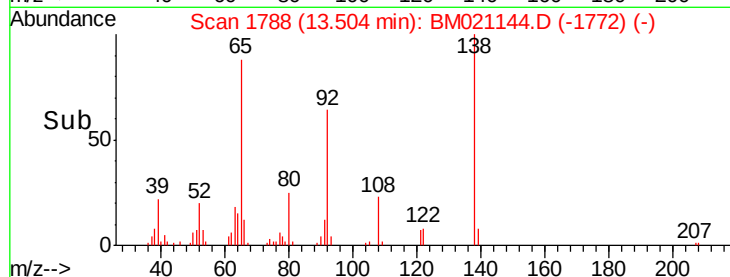
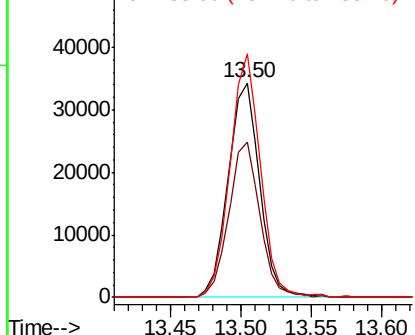
#48
2-Nitroaniline
Concen: 5.288 ng
RT: 13.50 min Scan# 1788
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 65 Resp: 53570
Ion Ratio Lower Upper
65 100
92 72.1 56.3 84.5
138 113.4 92.6 139.0

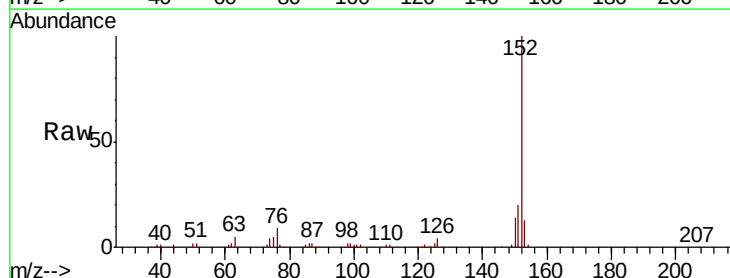


Abundance Ion 65.00 (64.70 to 65.70): BM021144.D (-1772) (-)
Ion 92.00 (91.70 to 92.70): BM021144.D (-1772) (-)
Ion 138.00 (137.70 to 138.70): BM021144.D (-1772) (-)

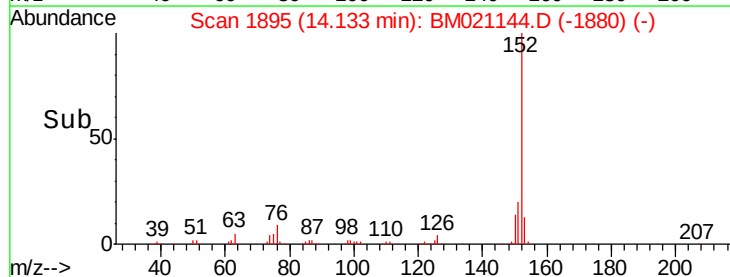
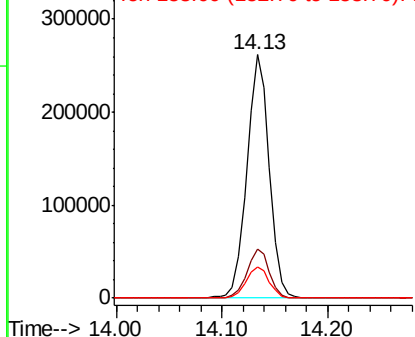


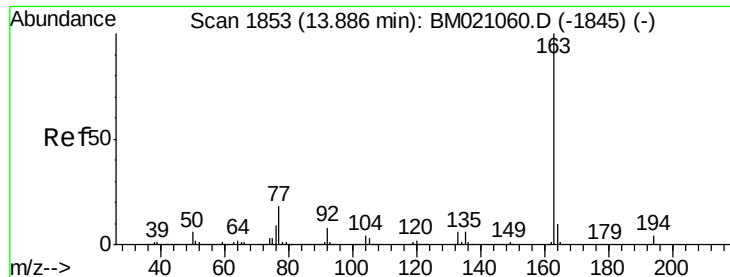
#49
Acenaphthylene
Concen: 6.812 ng
RT: 14.13 min Scan# 1895
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion: 152 Resp: 383918
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 12.6 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): BM021144.D (-1880) (-)
Ion 151.00 (150.70 to 151.70): BM021144.D (-1880) (-)
Ion 153.00 (152.70 to 153.70): BM021144.D (-1880) (-)





#50

Dimethylphthalate

Concen: 6.685 ng

RT: 13.87 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

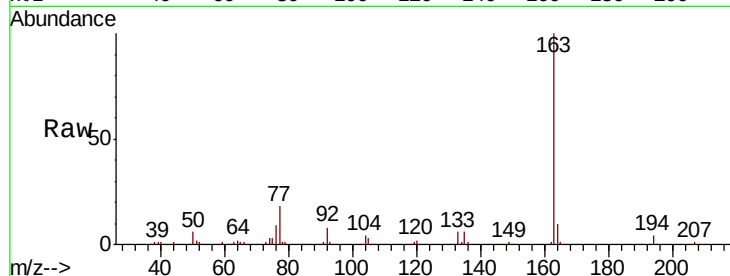
Tgt Ion:163 Resp: 316648

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

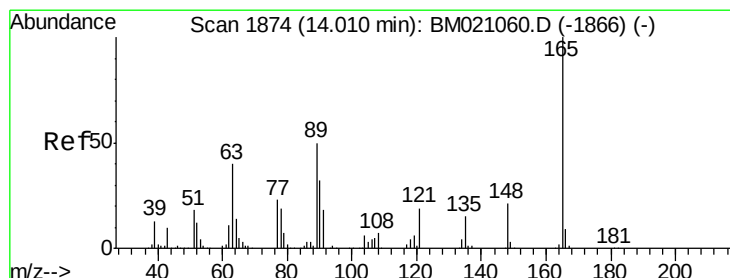
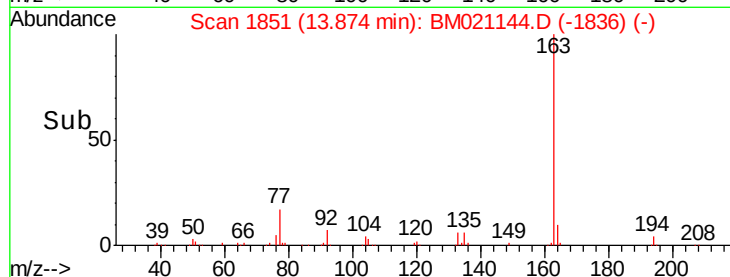
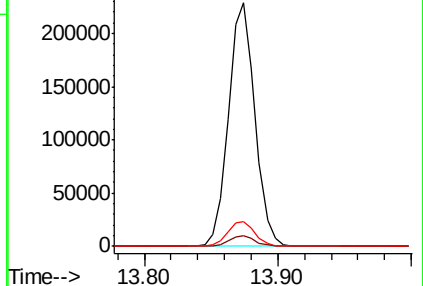
164 10.0 8.2 12.2



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: 6.236 ng

RT: 14.00 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

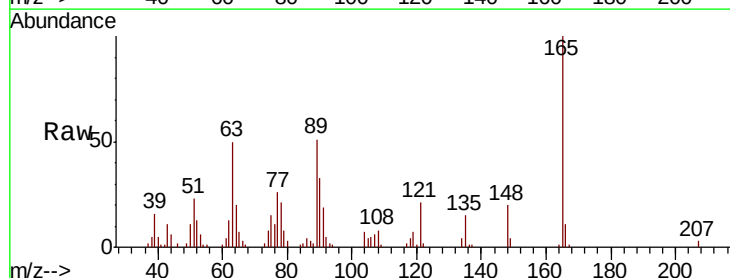
Tgt Ion:165 Resp: 63546

Ion Ratio Lower Upper

165 100

63 50.2 37.8 56.6

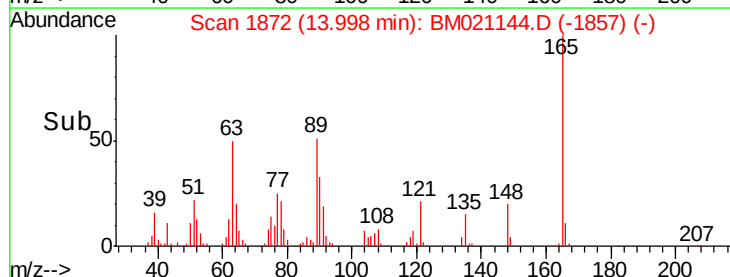
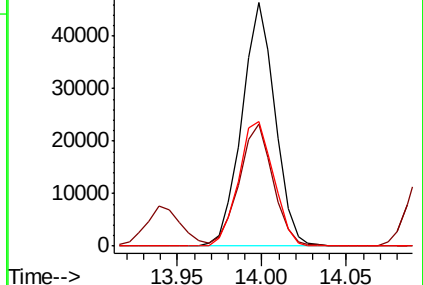
89 51.3 39.7 59.5

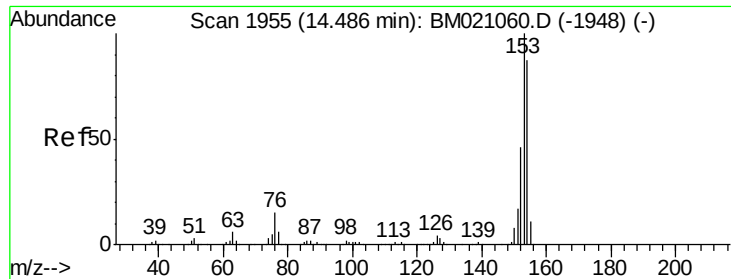


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM





#52

Acenaphthene

Concen: 6.781 ng

RT: 14.47 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

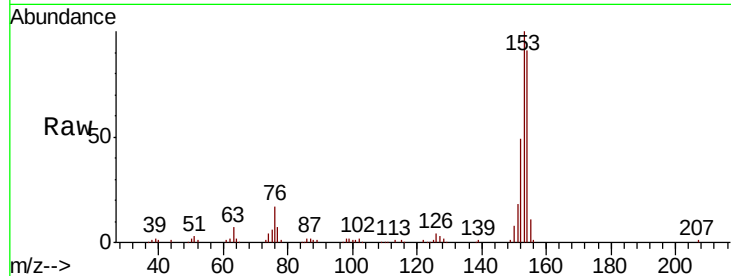
Tgt Ion:154 Resp: 230561

Ion Ratio Lower Upper

154 100

153 110.4 91.5 137.3

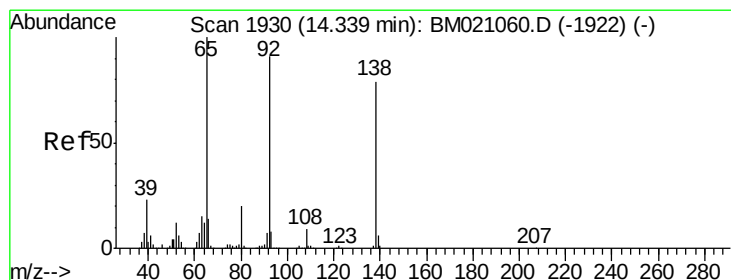
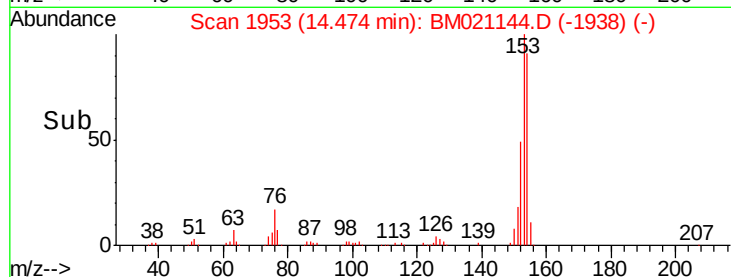
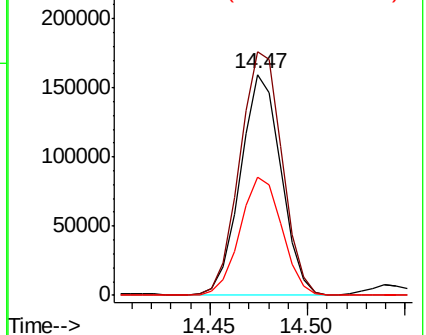
152 53.6 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 5.538 ng

RT: 14.33 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

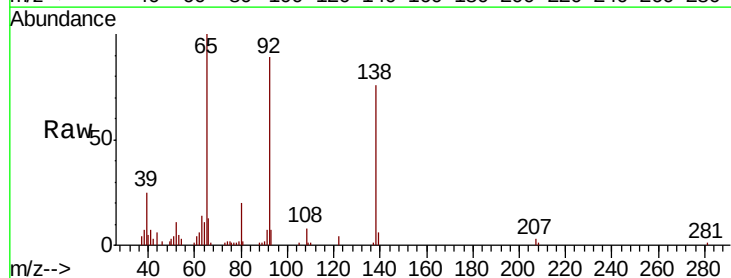
Tgt Ion:138 Resp: 57527

Ion Ratio Lower Upper

138 100

108 10.6 9.0 13.4

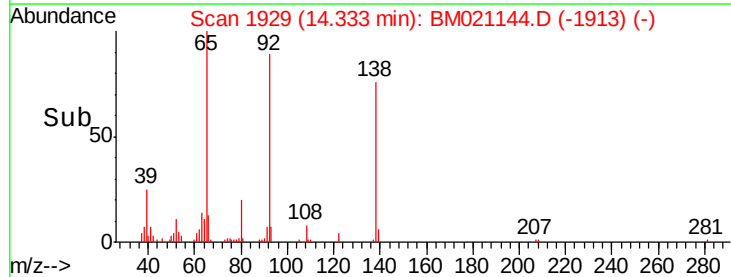
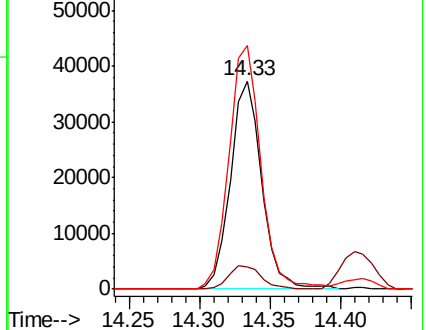
92 117.0 92.2 138.2

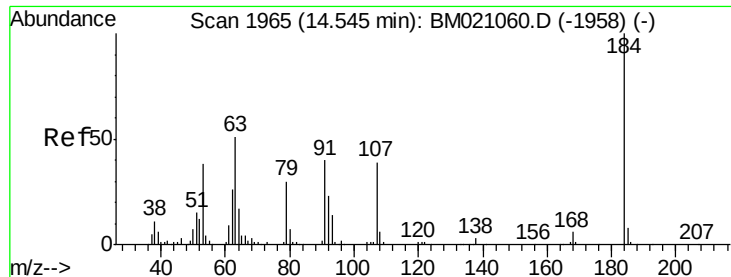


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

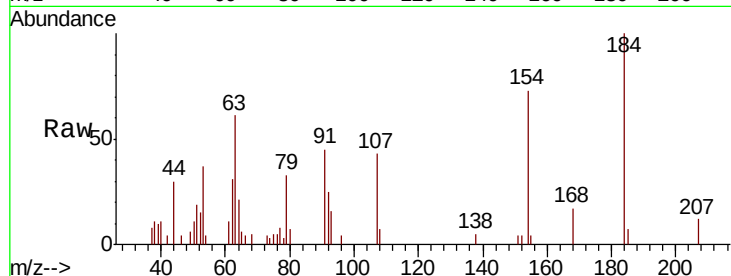




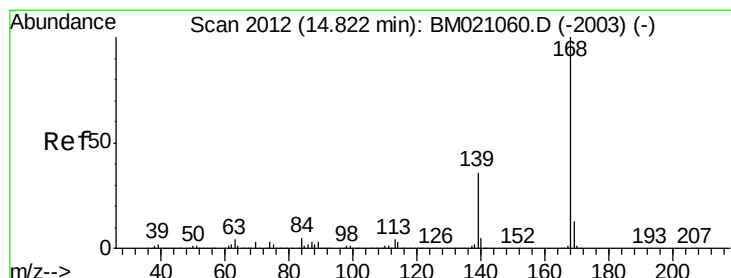
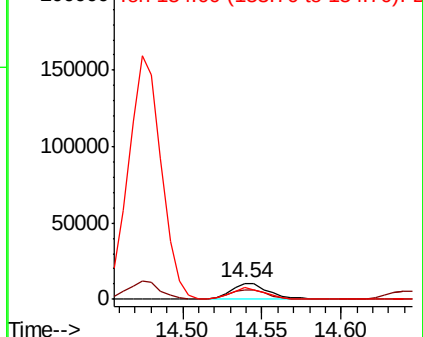
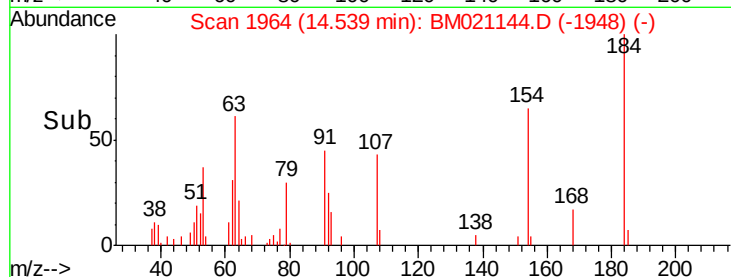
#54
2,4-Dinitrophenol
Concen: 3.225 ng
RT: 14.54 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:184 Resp: 17652
Ion Ratio Lower Upper
184 100
63 60.9 45.5 68.3
154 72.9 50.6 76.0

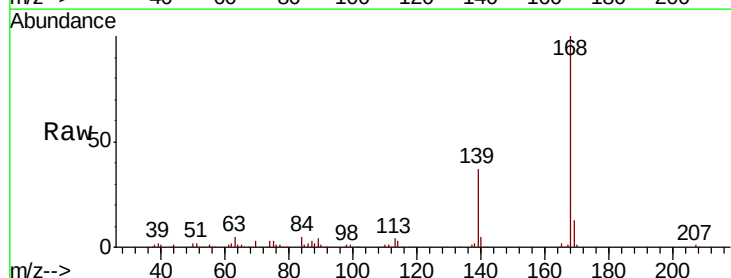


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 154.00 (153.70 to 154.70): E

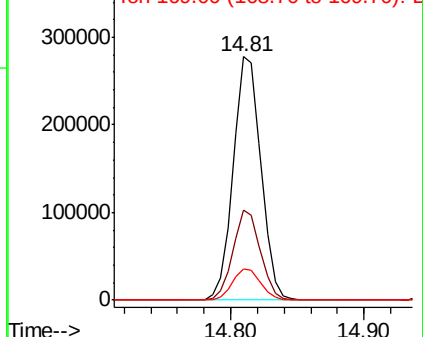
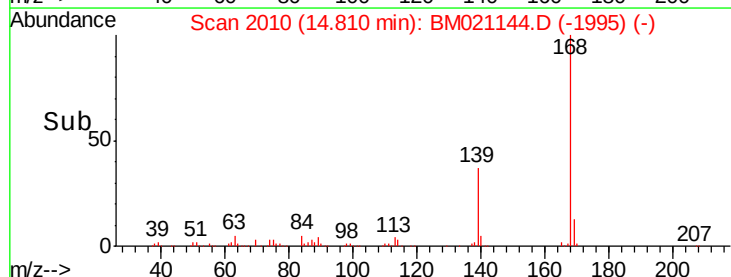


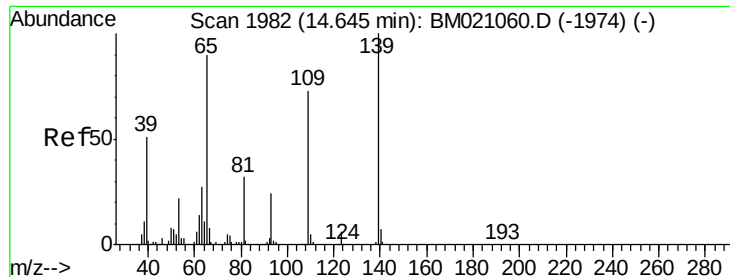
#55
Dibenzofuran
Concen: 7.234 ng
RT: 14.81 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:168 Resp: 401240
Ion Ratio Lower Upper
168 100
139 36.9 28.4 42.6
169 12.8 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

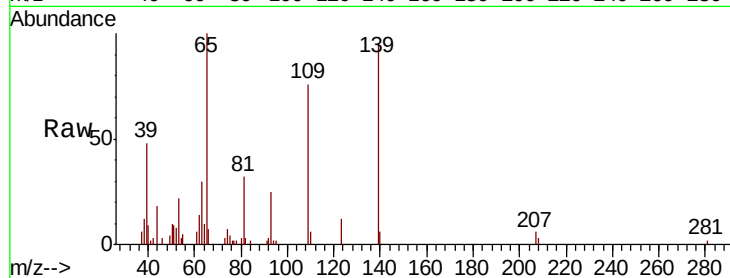




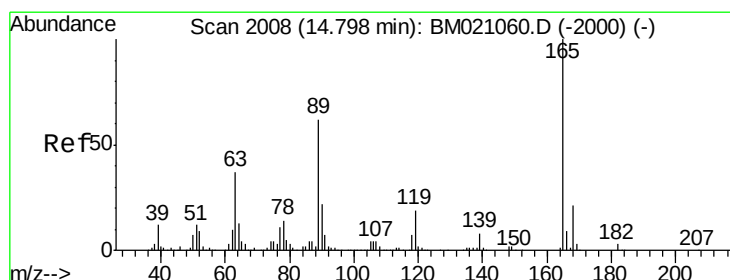
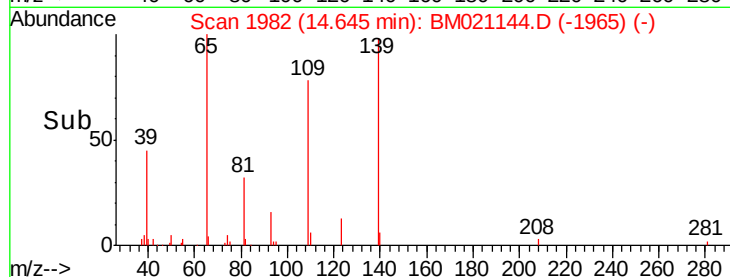
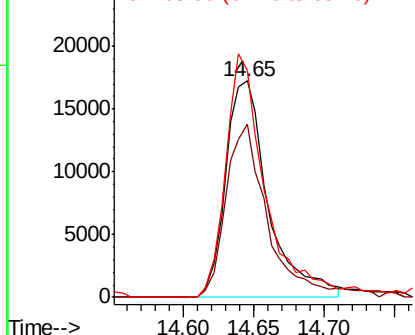
#56
4-Nitrophenol
Concen: 4.567 ng
RT: 14.65 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:139 Resp: 36277
Ion Ratio Lower Upper
139 100
109 79.9 53.3 93.3
65 105.1 70.3 110.3

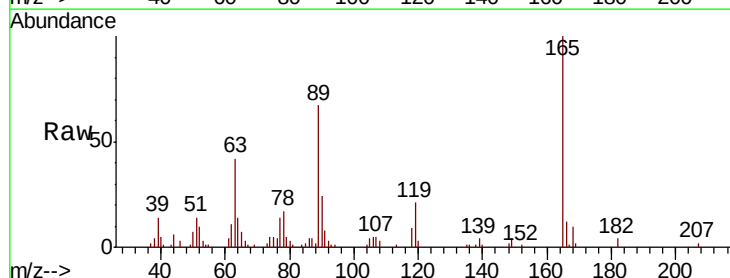


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM

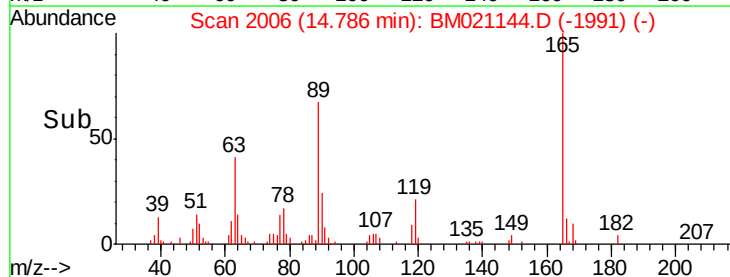
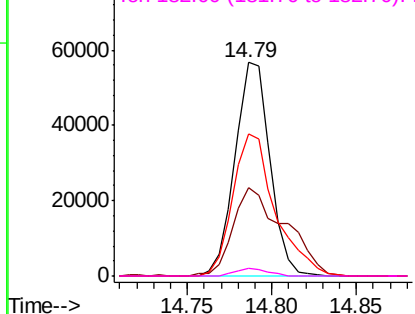


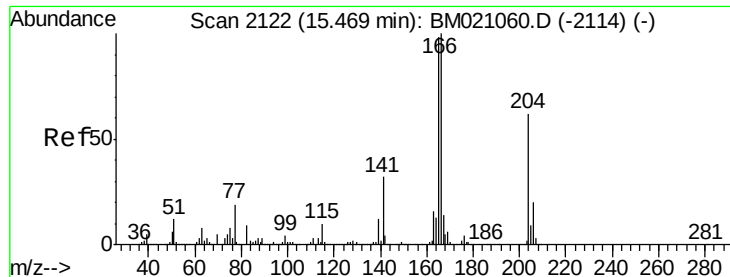
#57
2,4-Dinitrotoluene
Concen: 5.831 ng
RT: 14.79 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:165 Resp: 82046
Ion Ratio Lower Upper
165 100
63 41.7 29.6 44.4
89 66.7 49.5 74.3
182 3.6 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

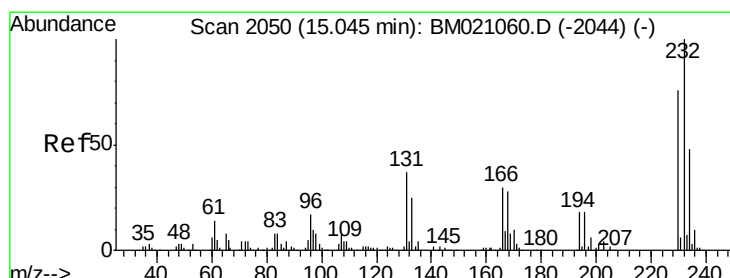
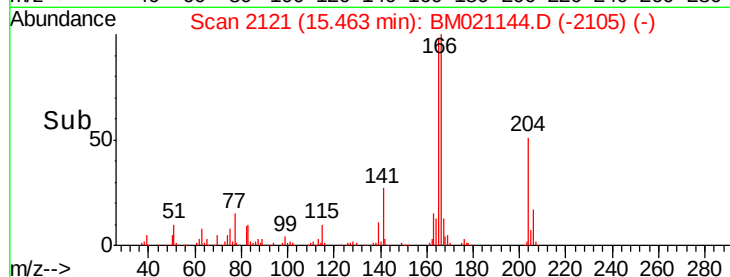
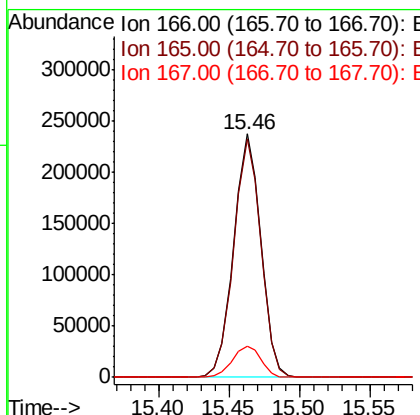
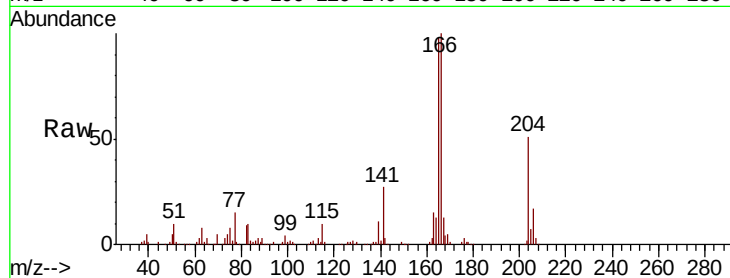




#58
 Fluorene
 Concen: 7.030 ng
 RT: 15.46 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

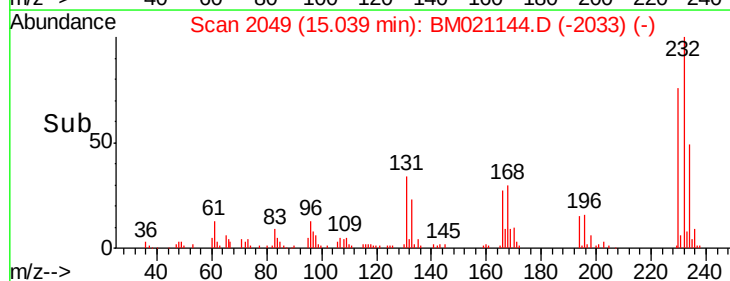
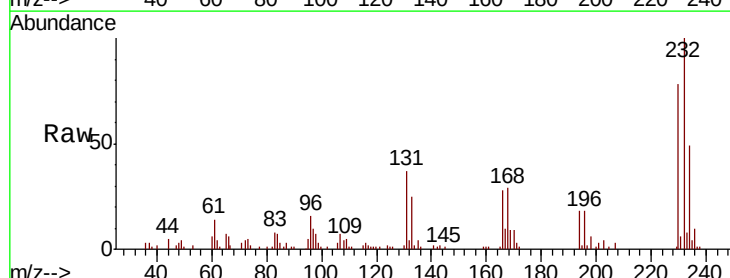
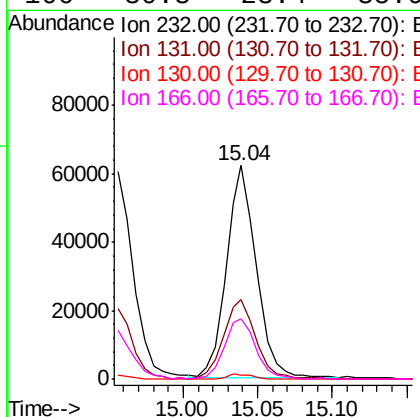
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

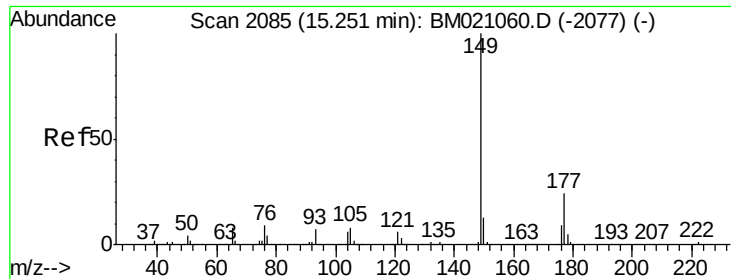
Tgt Ion:166 Resp: 318615
 Ion Ratio Lower Upper
 166 100
 165 97.9 78.6 117.8
 167 12.7 10.9 16.3



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.498 ng
 RT: 15.04 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion:232 Resp: 85789
 Ion Ratio Lower Upper
 232 100
 131 40.9 30.6 46.0
 130 1.9 1.7 2.5
 166 30.3 23.4 35.0

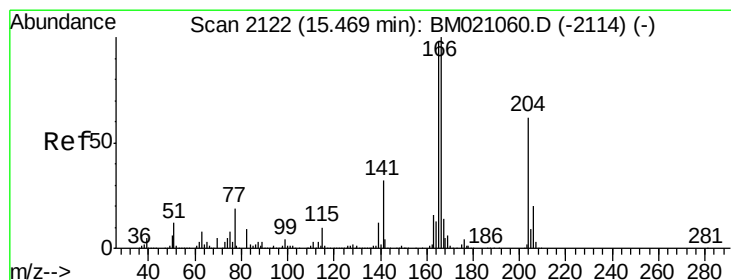
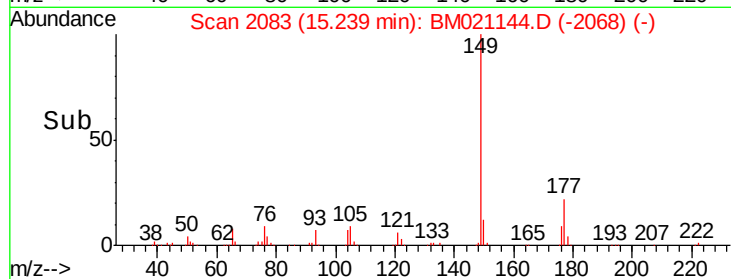
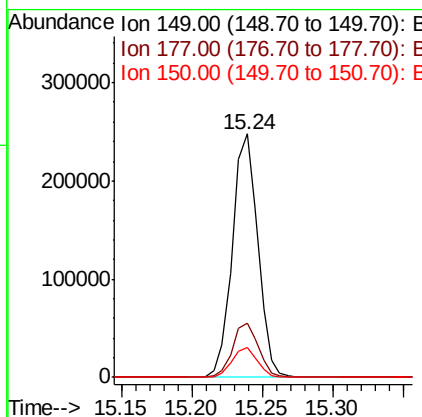
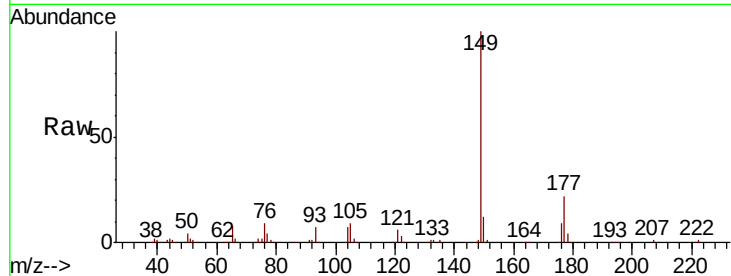




#60
Diethylphthalate
Concen: 6.673 ng
RT: 15.24 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

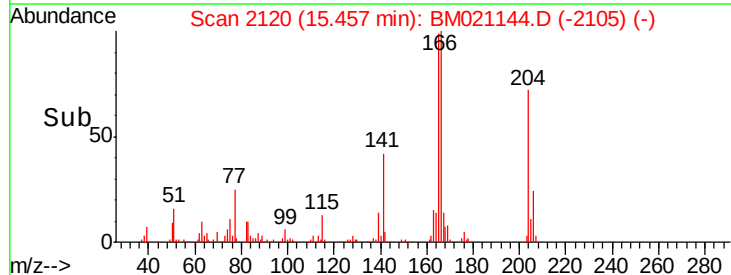
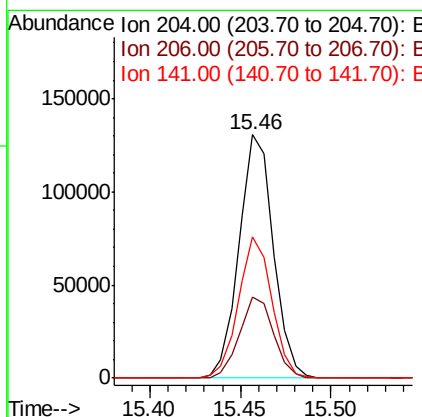
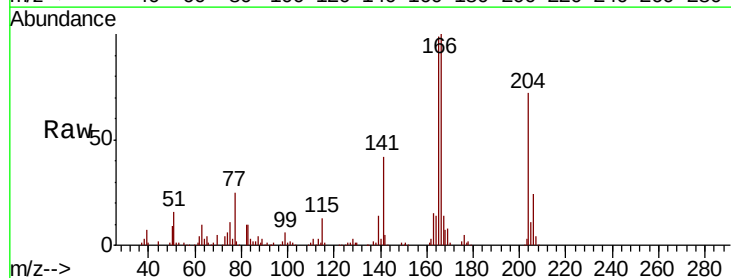
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

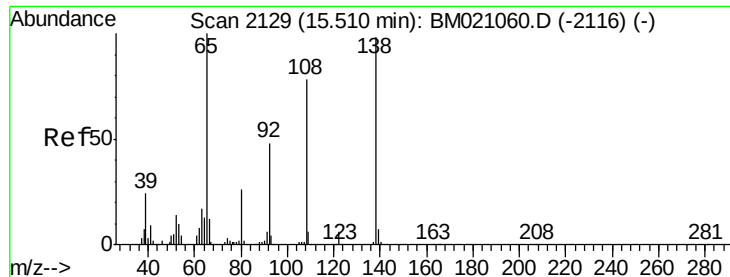
Tgt Ion:149 Resp: 311308
Ion Ratio Lower Upper
149 100
177 22.5 19.1 28.7
150 12.2 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 6.709 ng
RT: 15.46 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:204 Resp: 171782
Ion Ratio Lower Upper
204 100
206 33.1 26.1 39.1
141 58.0 40.7 61.1





#62

4-Nitroaniline

Concen: 5.222 ng

RT: 15.50 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

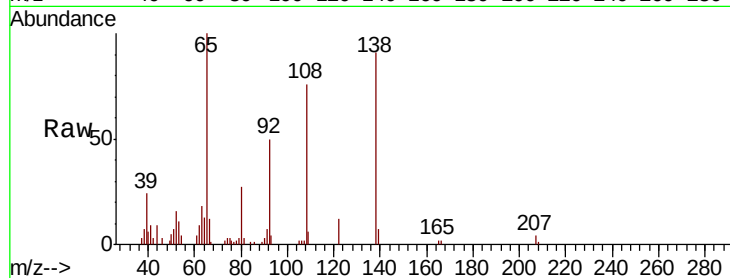
Tgt Ion:138 Resp: 56938

Ion Ratio Lower Upper

138 100

92 55.0 29.1 69.1

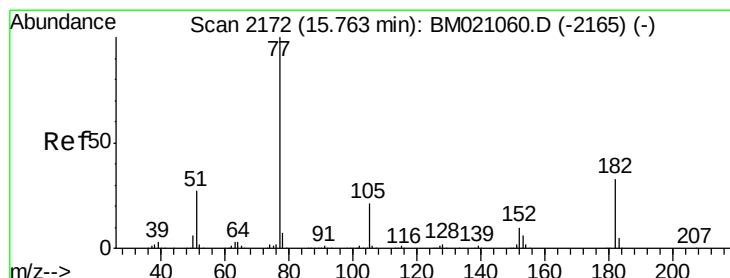
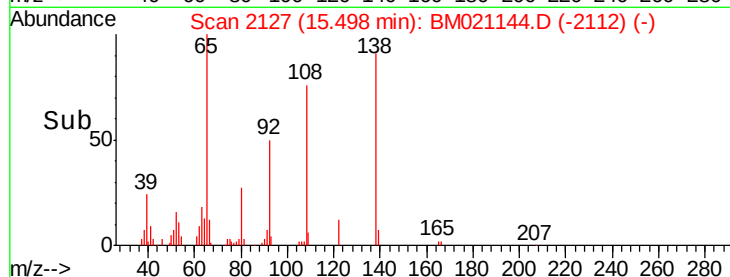
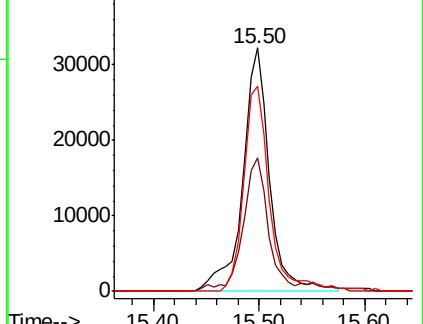
108 84.4 59.2 99.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 6.898 ng

RT: 15.75 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Tgt Ion: 77 Resp: 263973

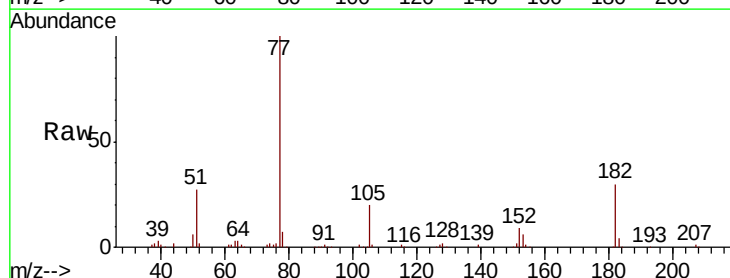
Ion Ratio Lower Upper

77 100

182 30.3 12.6 52.6

105 19.9 1.1 41.1

51 26.6 6.9 46.9

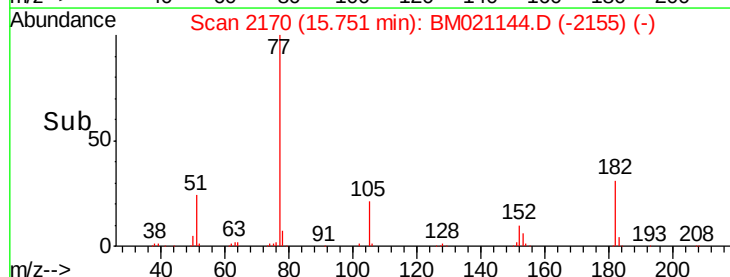
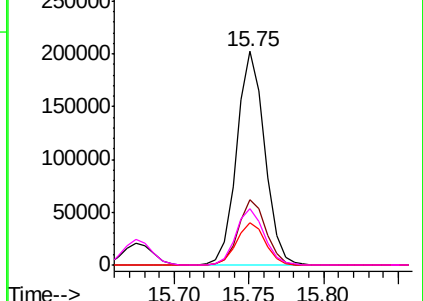


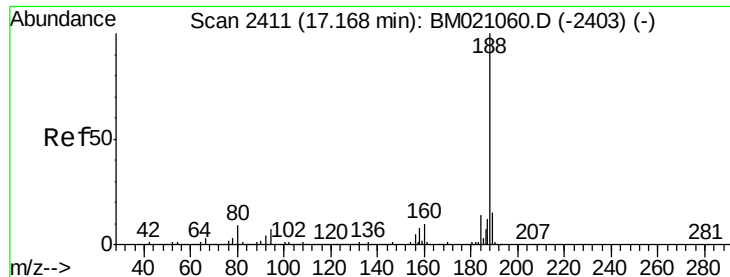
Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.16 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

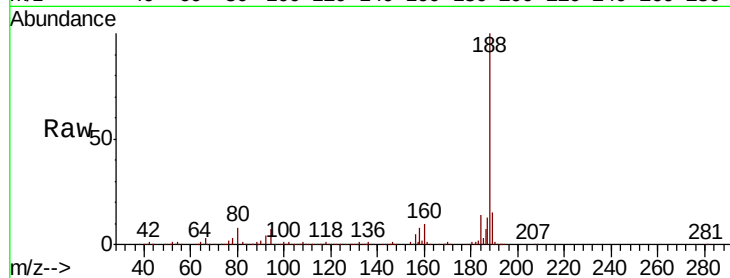
Tgt Ion:188 Resp: 1356679

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.8

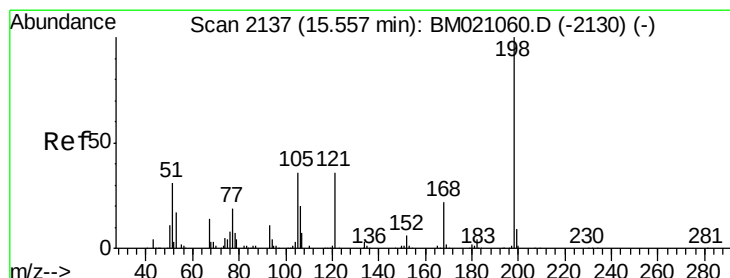
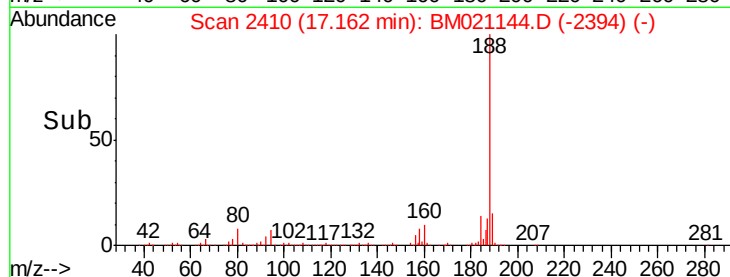
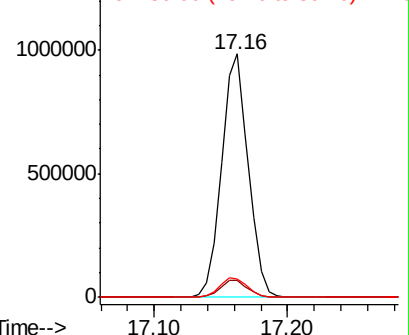
80 7.8 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#65

4,6-Dinitro-2-methylphenol

Concen: 4.156 ng

RT: 15.55 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

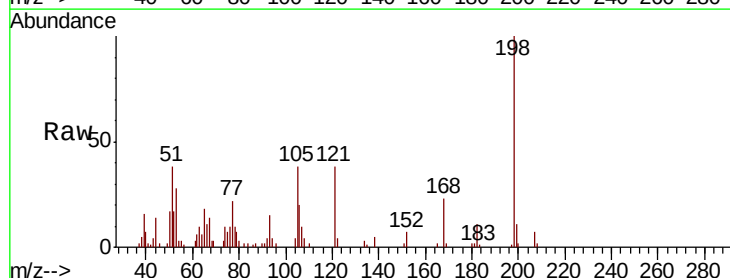
Tgt Ion:198 Resp: 34761

Ion Ratio Lower Upper

198 100

51 38.0 15.3 55.3

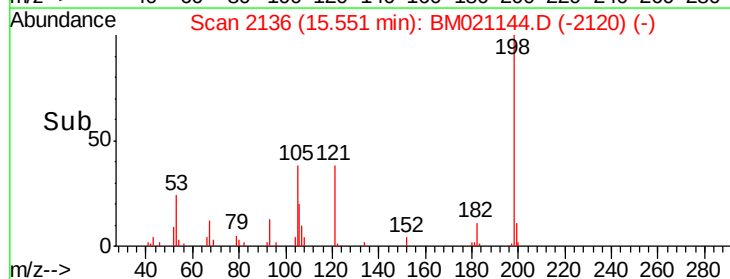
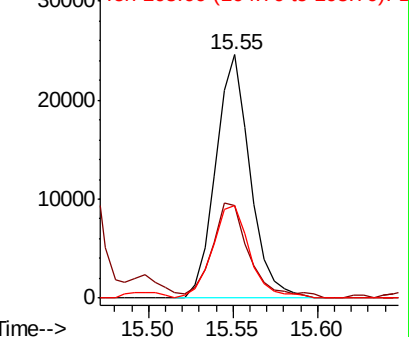
105 38.2 16.8 56.8

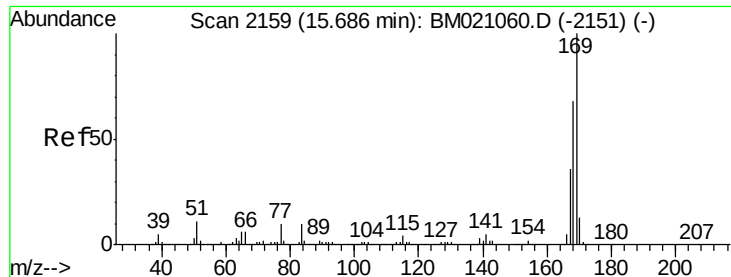


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E

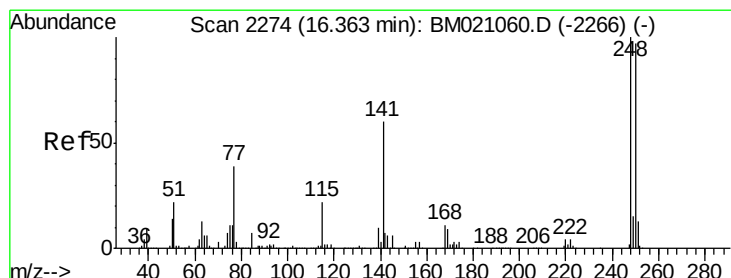
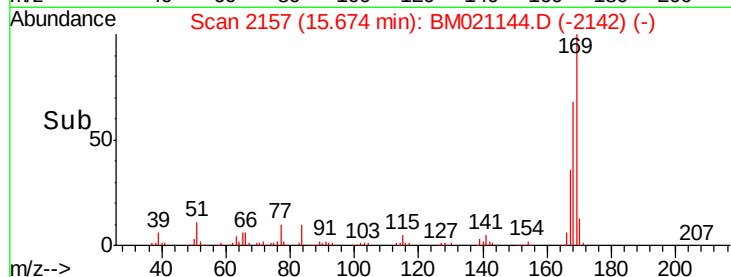
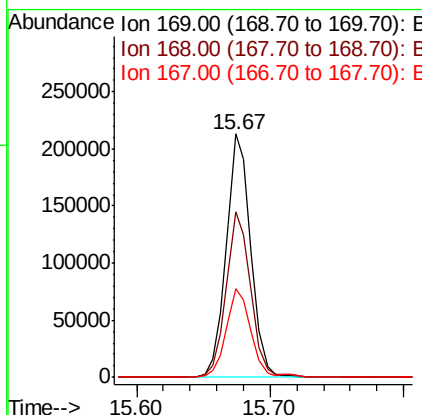
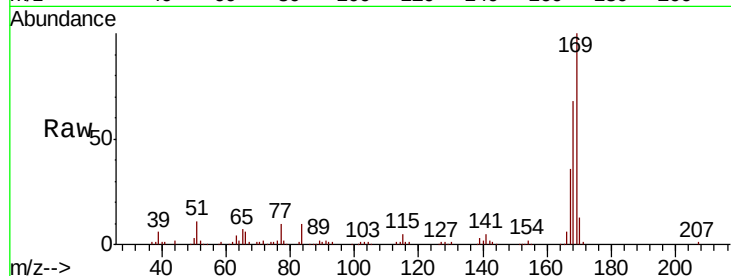




#66
 n-Nitrosodiphenylamine
 Concen: 6.428 ng
 RT: 15.67 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

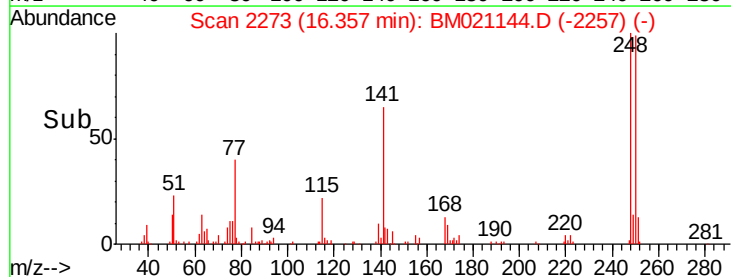
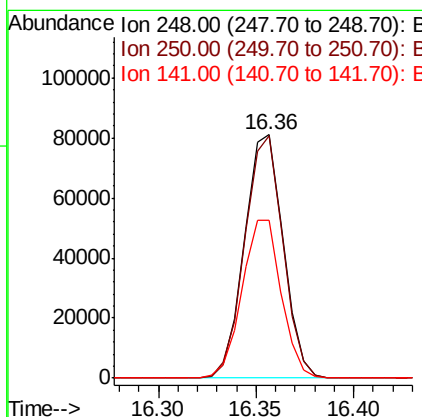
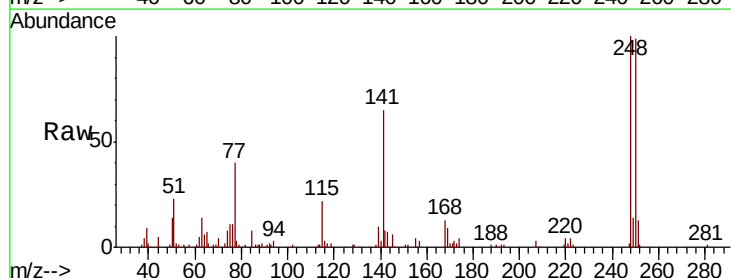
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

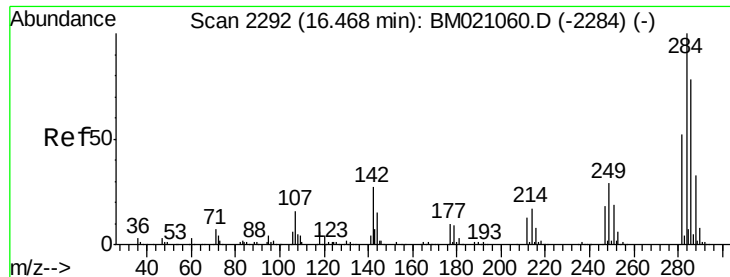
Tgt Ion:169 Resp: 274890
 Ion Ratio Lower Upper
 169 100
 168 68.1 54.5 81.7
 167 36.3 29.0 43.6



#67
 4-Bromophenyl-phenylether
 Concen: 6.182 ng
 RT: 16.36 min Scan# 2273
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion:248 Resp: 111644
 Ion Ratio Lower Upper
 248 100
 250 99.5 77.5 116.3
 141 64.6 47.8 71.6





#68

Hexachlorobenzene

Concen: 6.322 ng

RT: 16.46 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

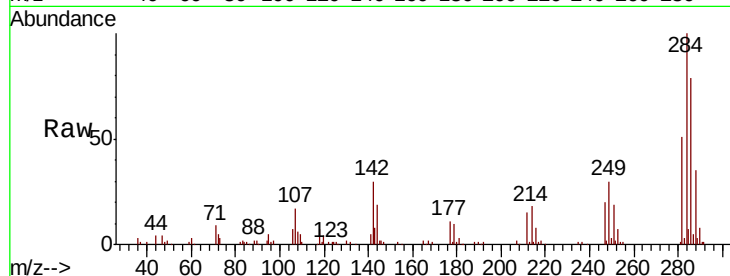
Tgt Ion:284 Resp: 136410

Ion Ratio Lower Upper

284 100

142 30.2 21.2 31.8

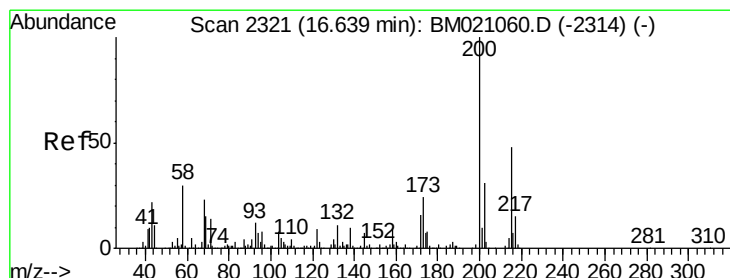
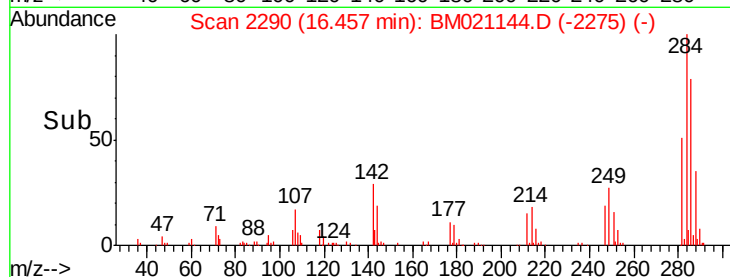
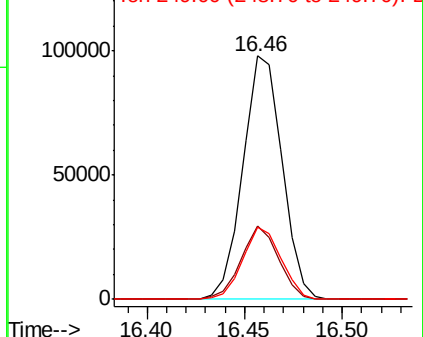
249 29.8 23.4 35.0



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: 6.624 ng

RT: 16.63 min Scan# 2319

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

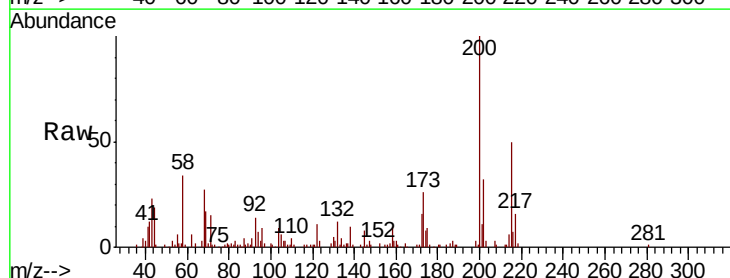
Tgt Ion:200 Resp: 92108

Ion Ratio Lower Upper

200 100

173 25.6 4.3 44.3

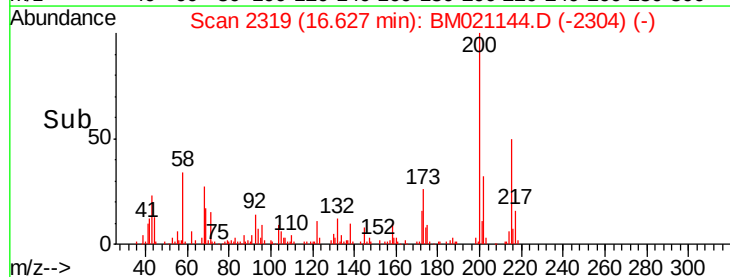
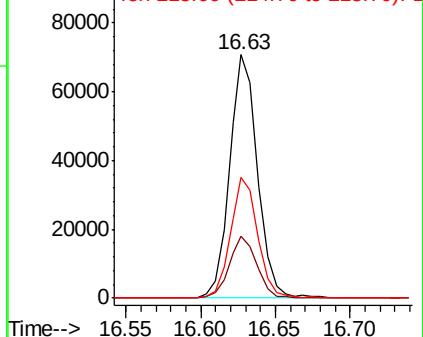
215 49.6 28.2 68.2

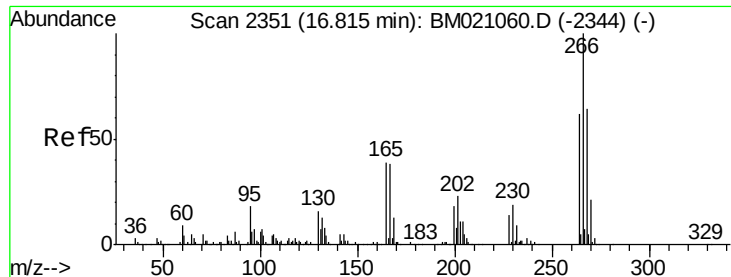


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

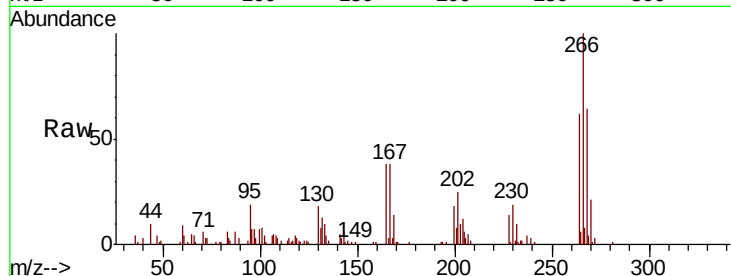




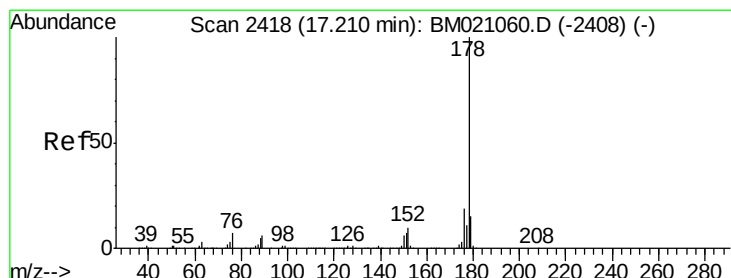
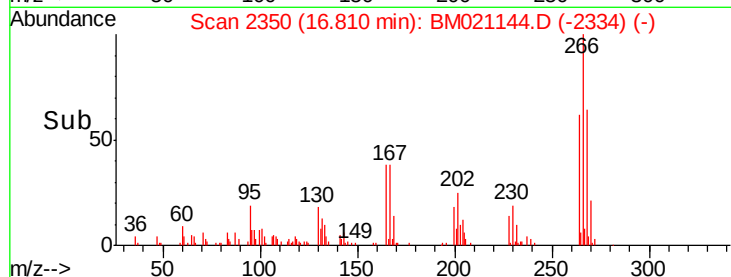
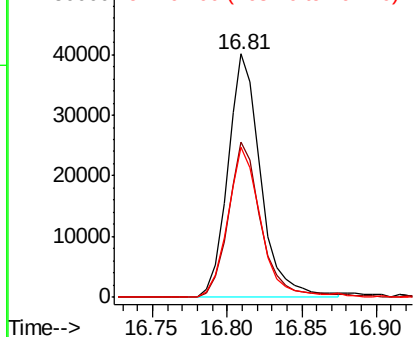
#70
 Pentachlorophenol
 Concen: 5.314 ng
 RT: 16.81 min Scan# 2350
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 266 Resp: 61771
 Ion Ratio Lower Upper
 266 100
 268 63.6 51.0 76.4
 264 61.5 49.9 74.9

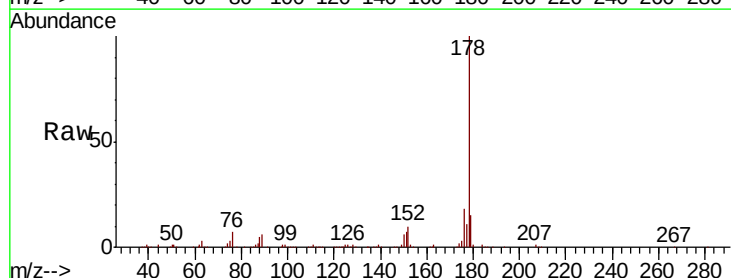


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

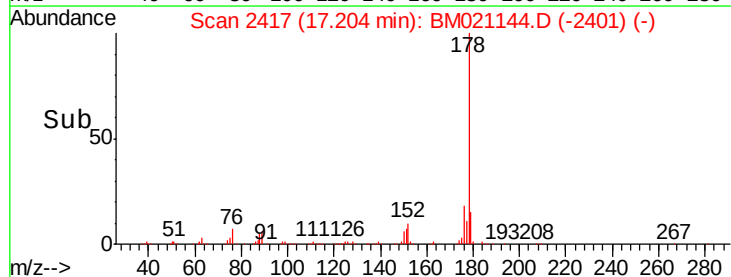
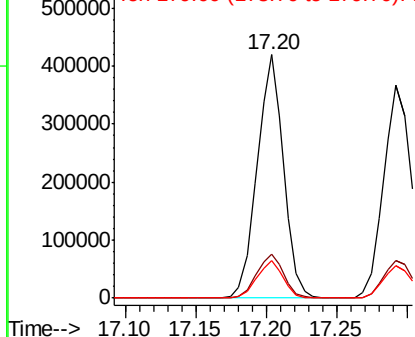


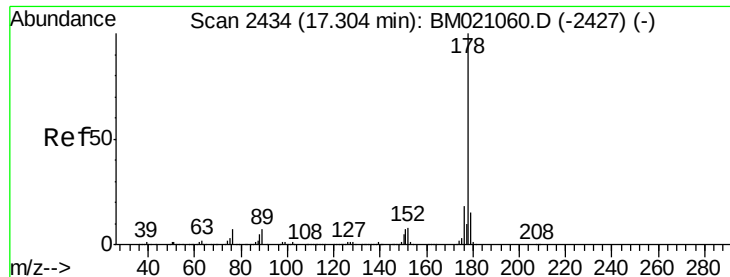
#71
 Phenanthrene
 Concen: 7.053 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion: 178 Resp: 551444
 Ion Ratio Lower Upper
 178 100
 176 18.0 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: 6.681 ng

RT: 17.29 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

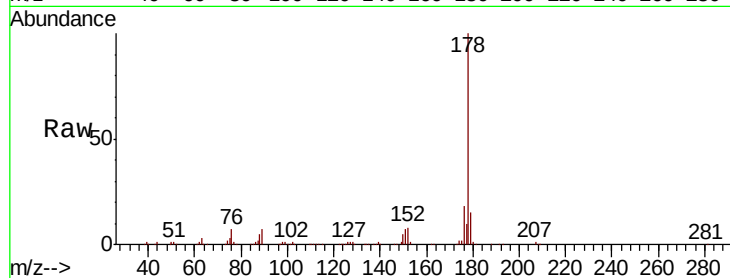
Tgt Ion:178 Resp: 517488

Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

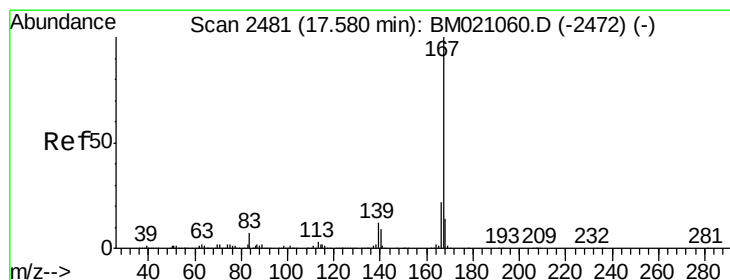
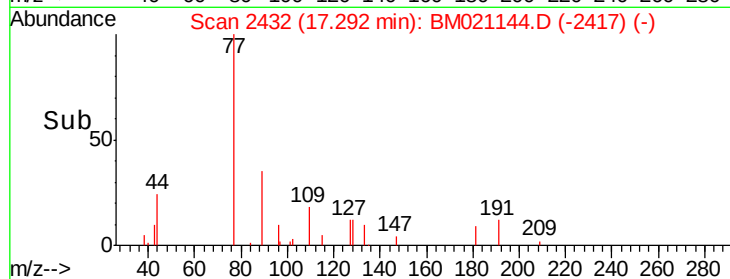
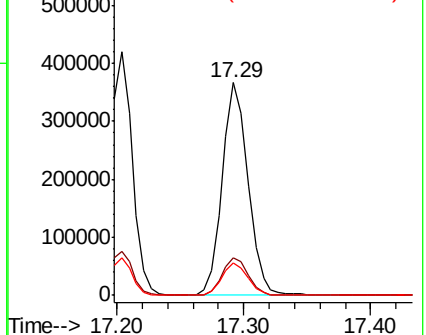
179 15.4 12.2 18.2



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: 6.792 ng

RT: 17.57 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

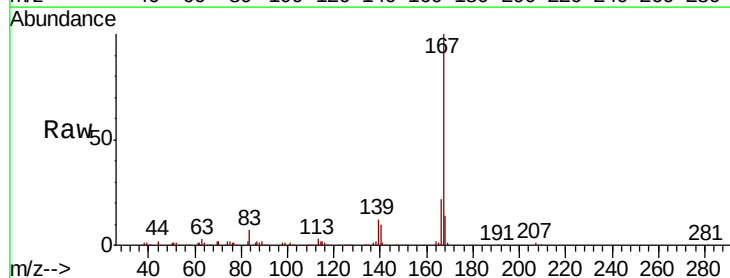
Tgt Ion:167 Resp: 465142

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.2

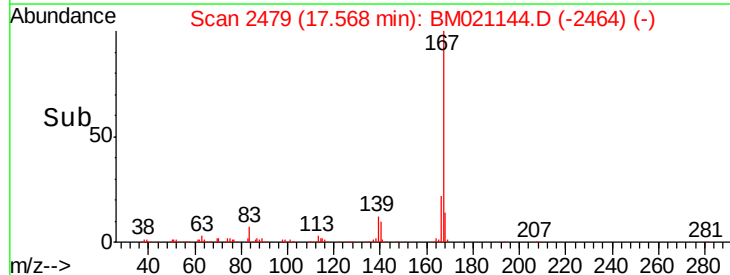
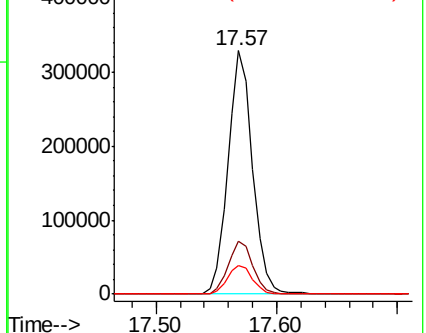
139 12.0 9.7 14.5

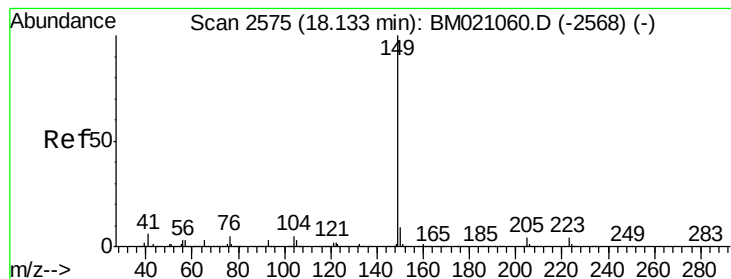


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 6.110 ng

RT: 18.13 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

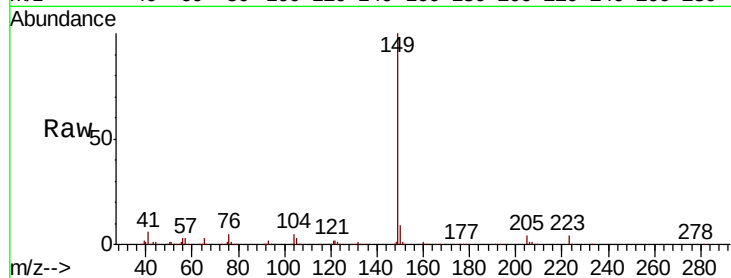
Tgt Ion:149 Resp: 512193

Ion Ratio Lower Upper

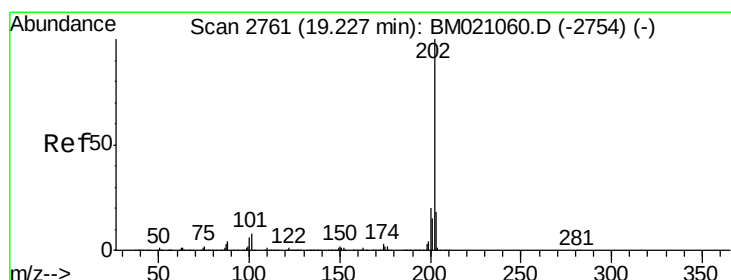
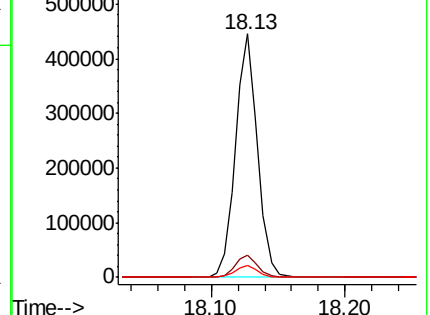
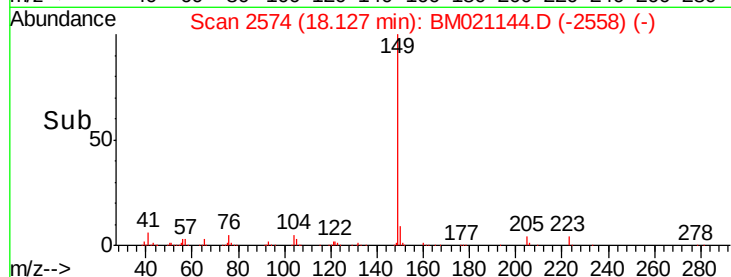
149 100

150 9.4 7.4 11.0

104 4.9 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 7.141 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

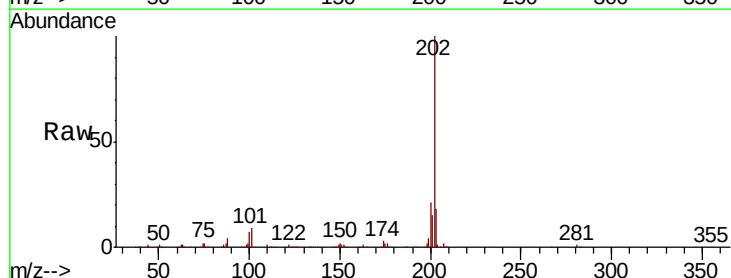
Tgt Ion:202 Resp: 644745

Ion Ratio Lower Upper

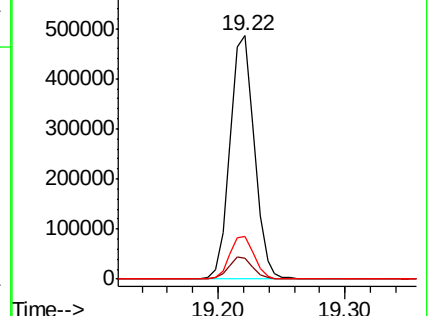
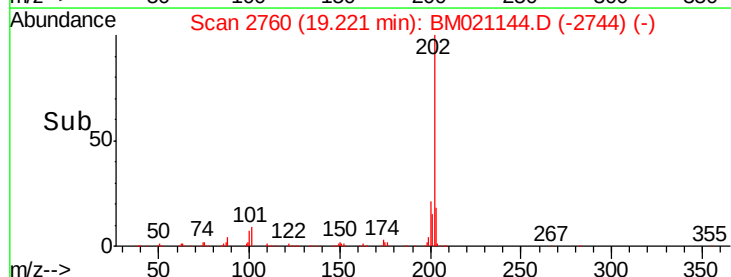
202 100

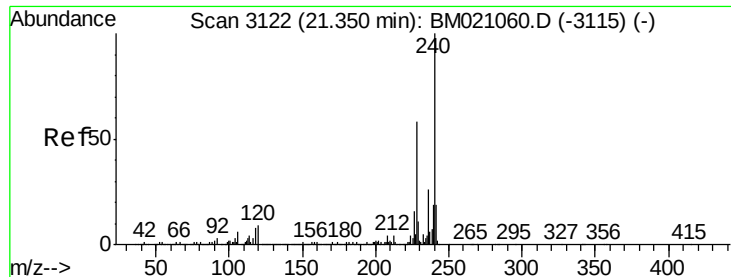
101 8.5 0.0 28.2

203 17.7 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

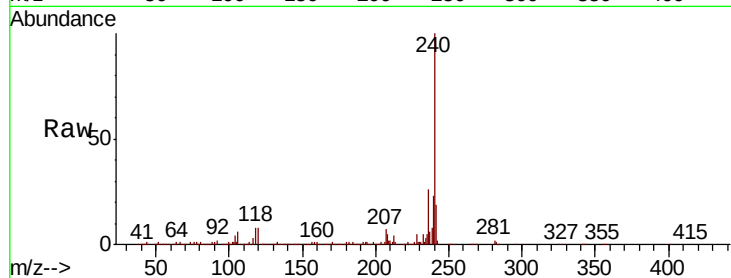




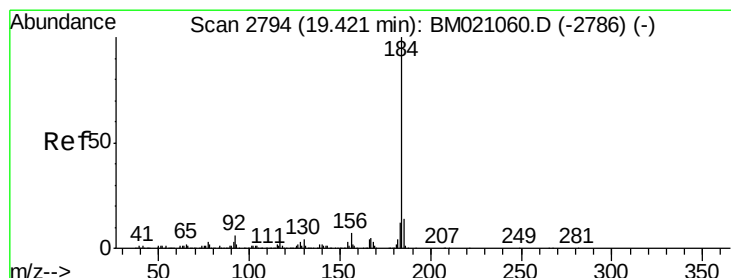
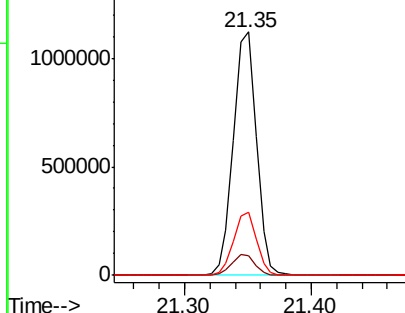
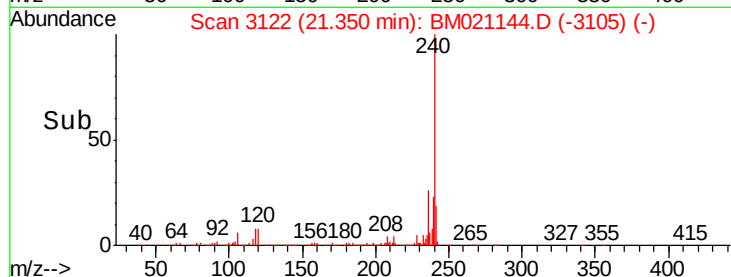
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:240 Resp: 1412174
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.8 20.4 30.6

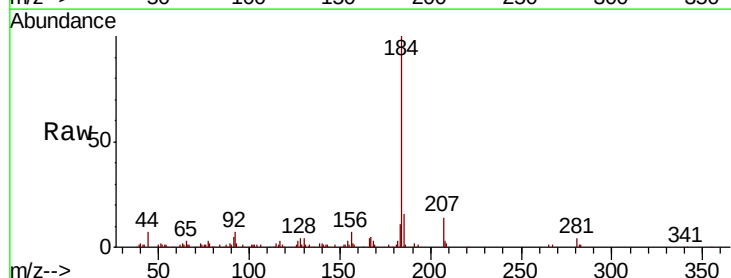


Abundance Ion 240.00 (239.70 to 240.70): E
1500000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

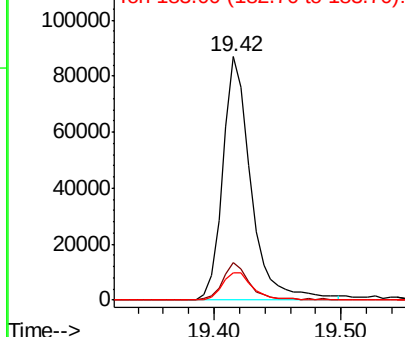
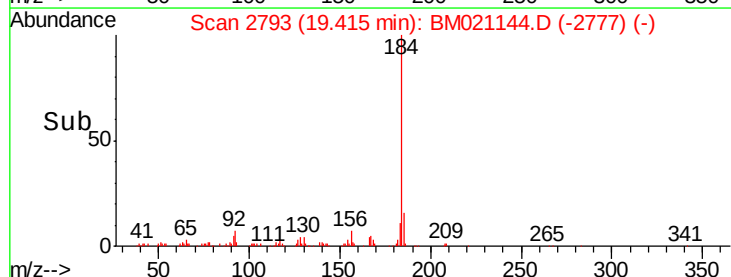


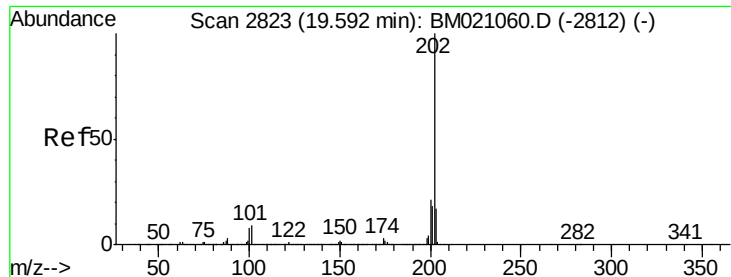
#77
Benzidine
Concen: 3.282 ng
RT: 19.42 min Scan# 2793
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:184 Resp: 134571
Ion Ratio Lower Upper
184 100
185 15.7 11.4 17.2
183 11.0 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E
120000 Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

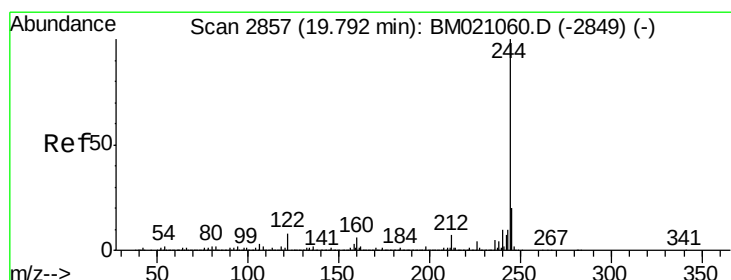
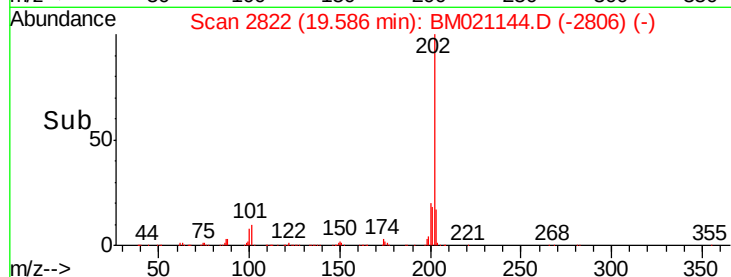
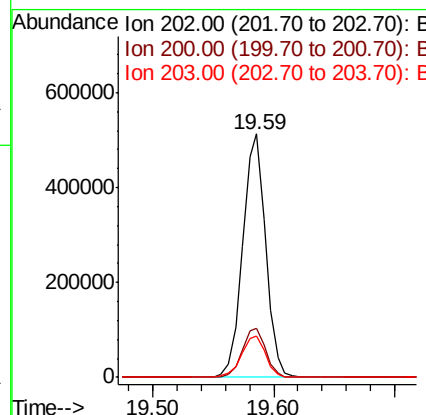
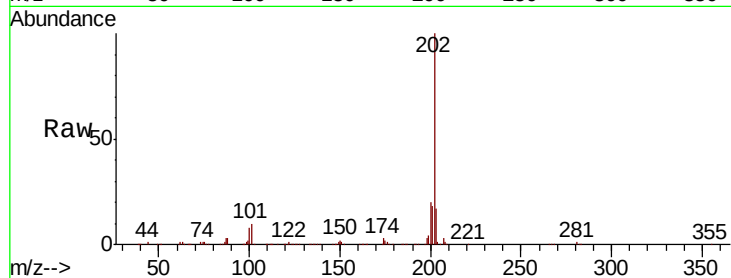




#78
 Pyrene
 Concen: 6.669 ng
 RT: 19.59 min Scan# 2822
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

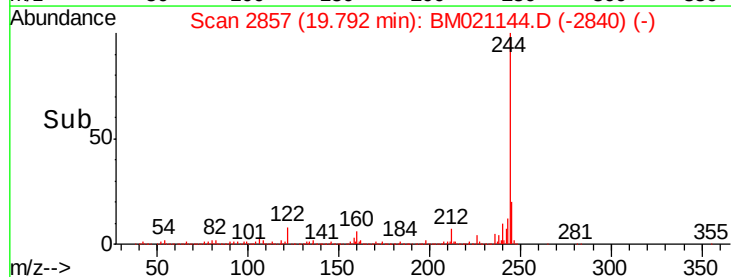
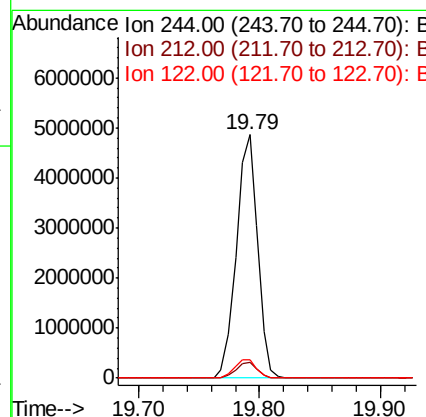
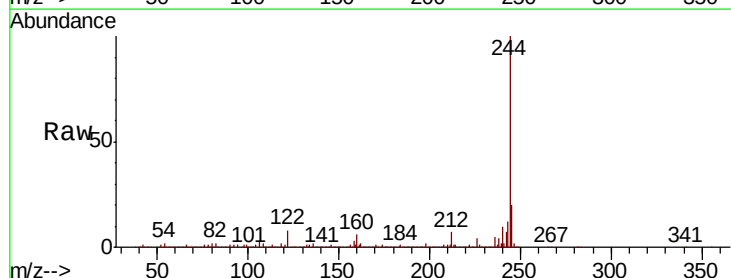
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

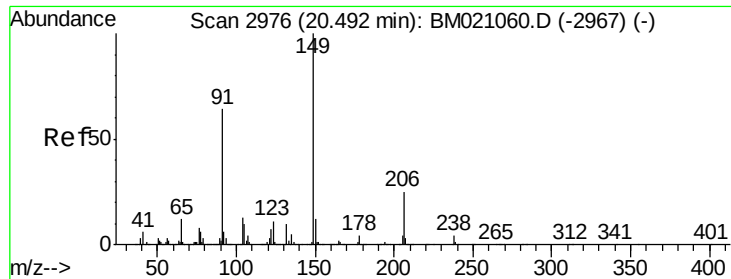
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.4
203	17.2	14.0	21.0



#79
 Terphenyl-d14
 Concen: 78.753 ng
 RT: 19.79 min Scan# 2857
 Delta R.T. -0.00 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	7.7	6.6	9.8

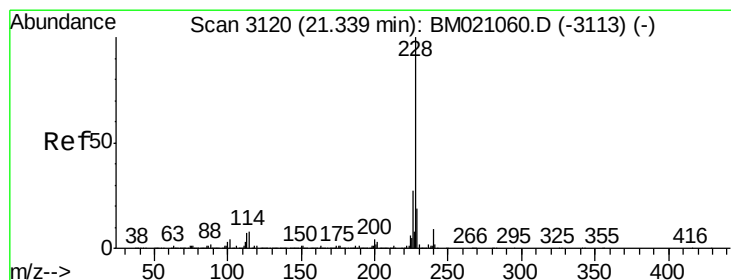
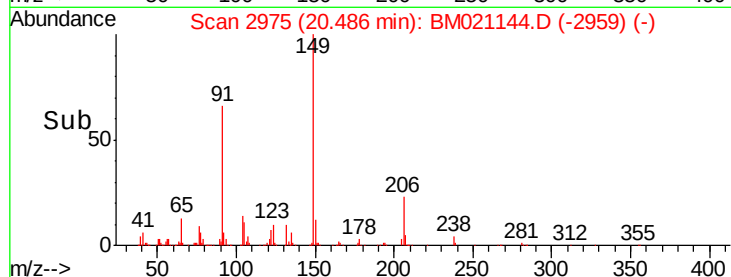
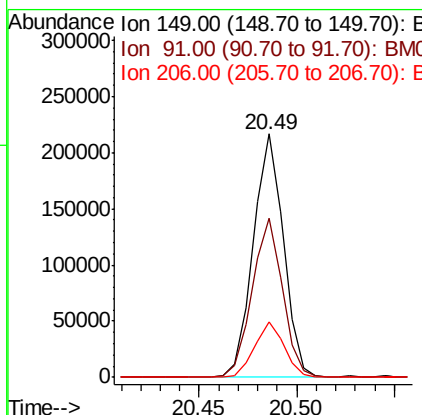
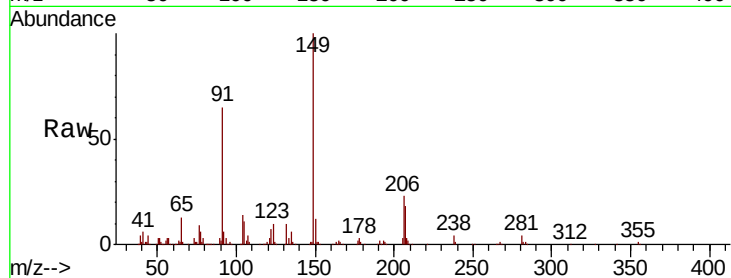




#80
Butylbenzylphthalate
Concen: 5.672 ng
RT: 20.49 min Scan# 2975
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

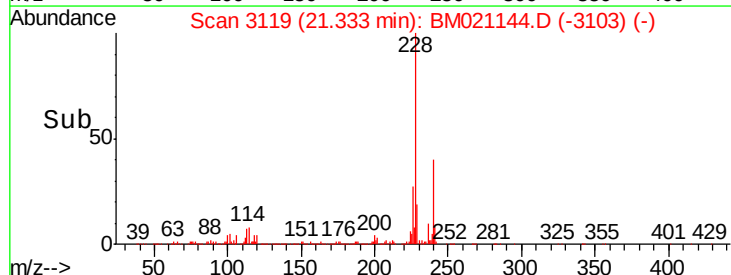
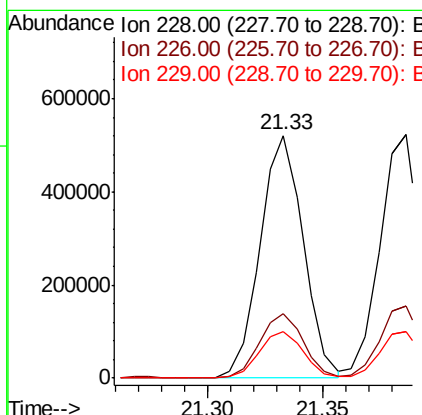
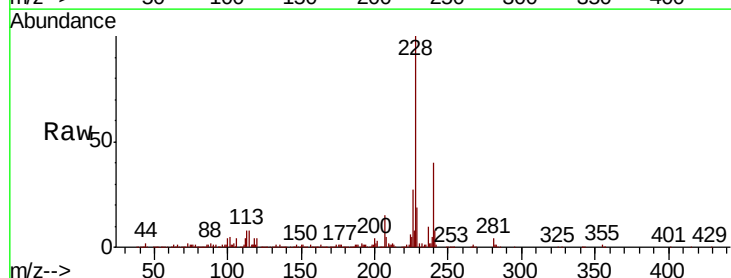
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

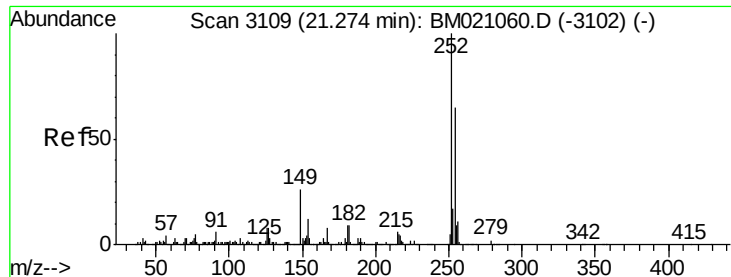
Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.5	50.9	76.3
206	22.6	19.7	29.5



#81
Benzo(a)anthracene
Concen: 7.028 ng
RT: 21.33 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.6	32.4
229	19.0	15.5	23.3

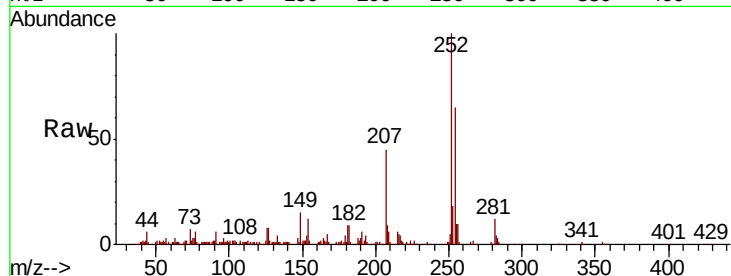




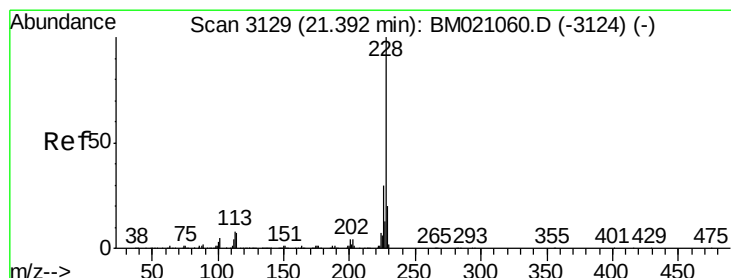
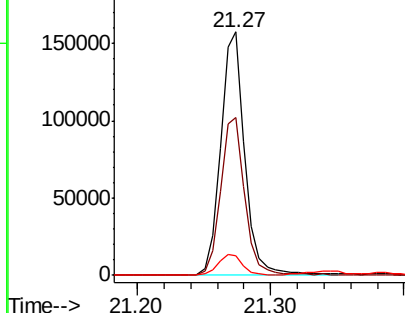
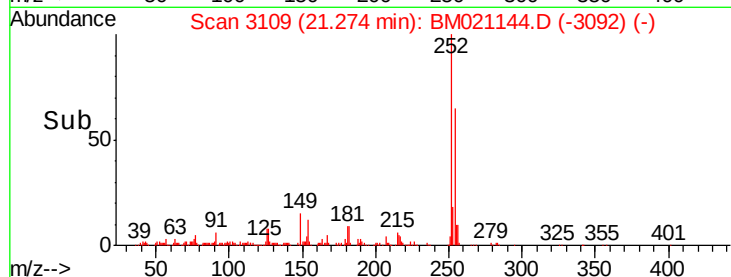
#82
 3,3'-Dichlorobenzidine
 Concen: 5.495 ng
 RT: 21.27 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 252 Resp: 200372
 Ion Ratio Lower Upper
 252 100
 254 64.9 51.7 77.5
 126 8.0 6.6 9.8

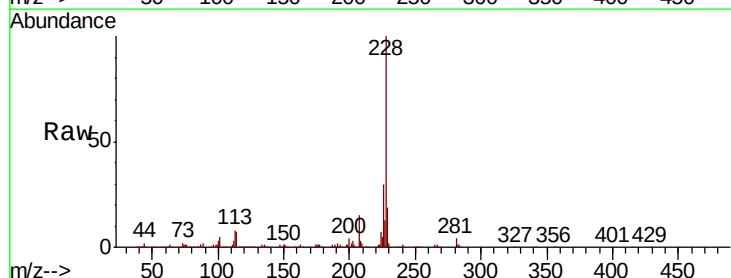


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

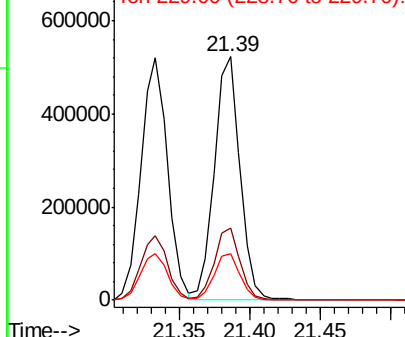
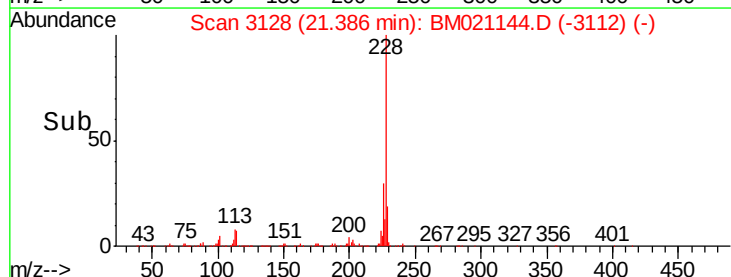


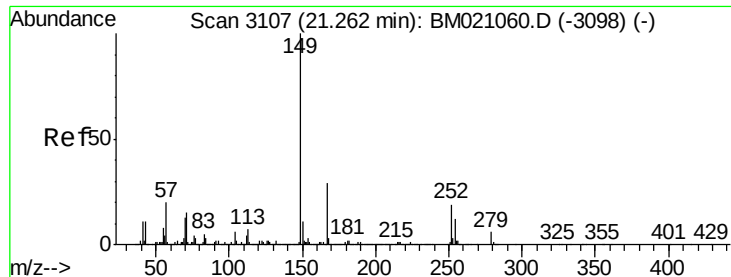
#83
 Chrysene
 Concen: 7.148 ng
 RT: 21.39 min Scan# 3128
 Delta R.T. -0.01 min
 Lab File: BM021144.D
 Acq: 24 Jun 2019 12:20

Tgt Ion: 228 Resp: 655484
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.1 36.1
 229 19.1 15.6 23.4



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.094 ng

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

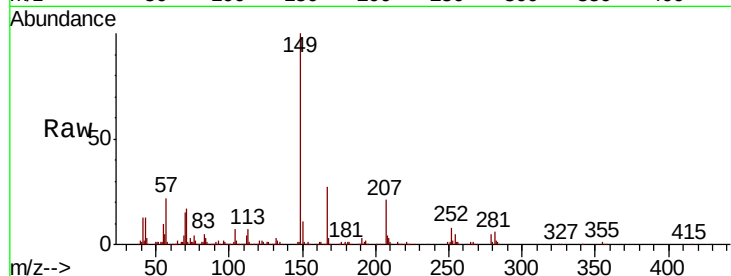
Tgt Ion:149 Resp: 354066

Ion Ratio Lower Upper

149 100

167 27.2 23.0 34.4

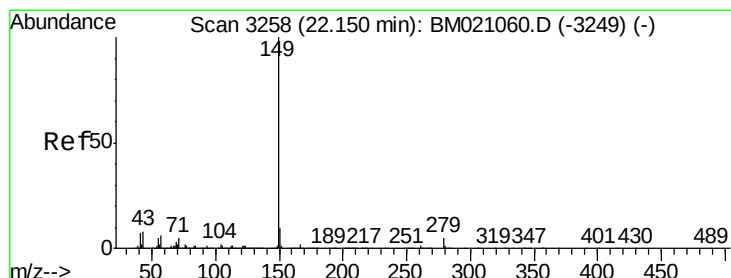
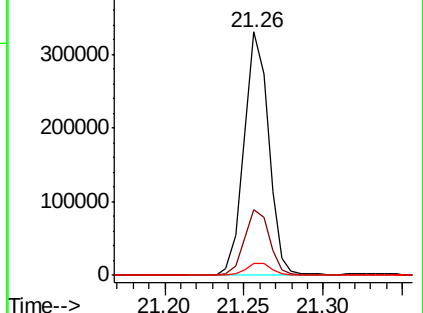
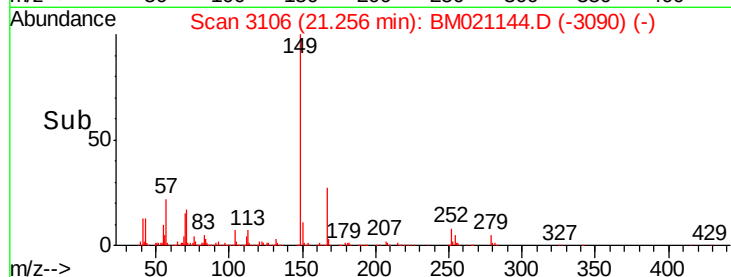
279 4.9 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 6.390 ng

RT: 22.15 min Scan# 3258

Delta R.T. -0.00 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

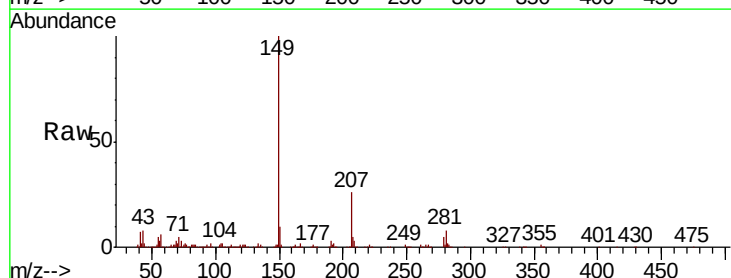
Tgt Ion:149 Resp: 583859

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

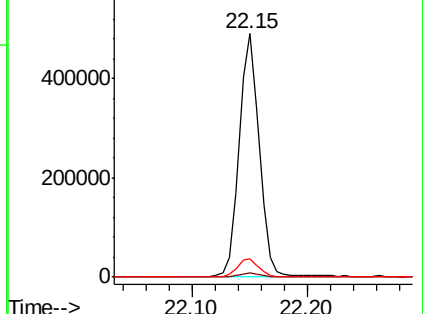
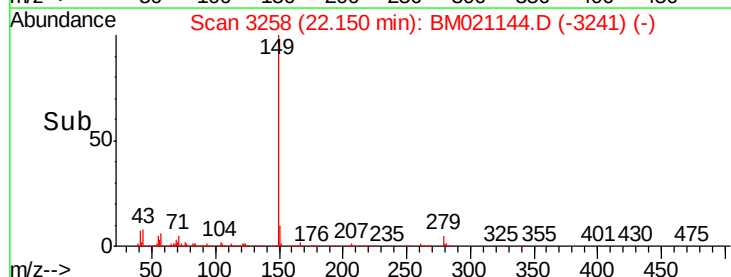
43 8.0 6.2 9.2

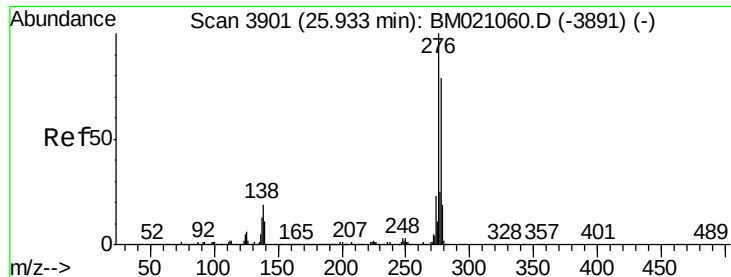


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.914 ng

RT: 25.91 min Scan# 3898

Delta R.T. -0.02 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

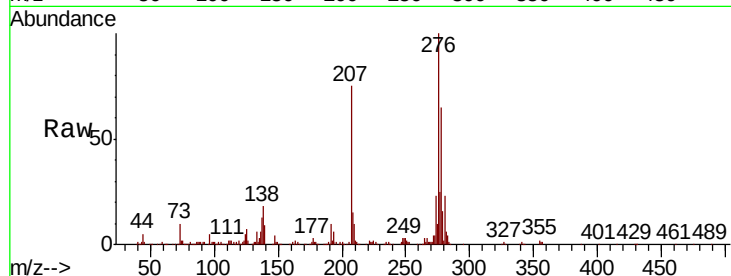
Tgt Ion:276 Resp: 600075

Ion Ratio Lower Upper

276 100

138 19.8 15.4 23.0

277 25.6 20.4 30.6

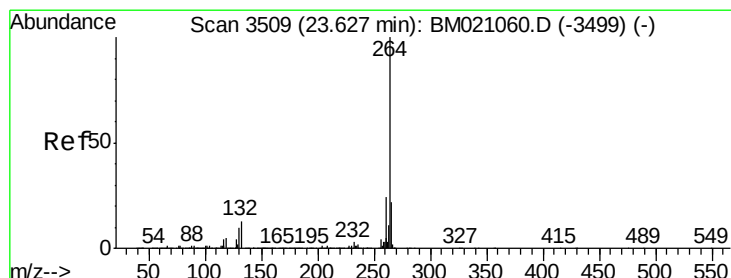
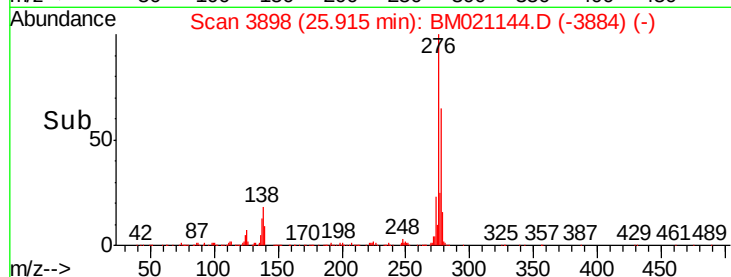
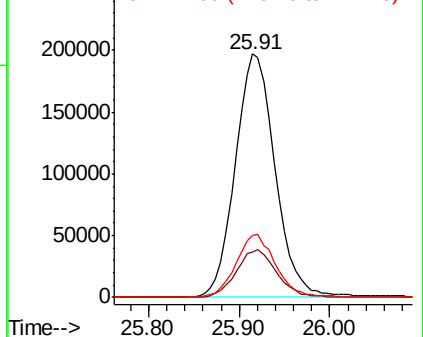


Abundance

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: 23.63 min Scan# 3509

Delta R.T. -0.00 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

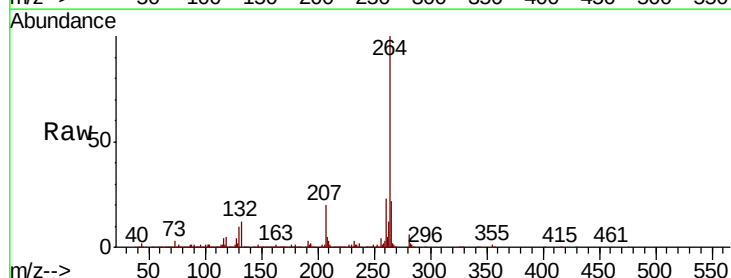
Tgt Ion:264 Resp: 1354649

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 22.0 17.7 26.5

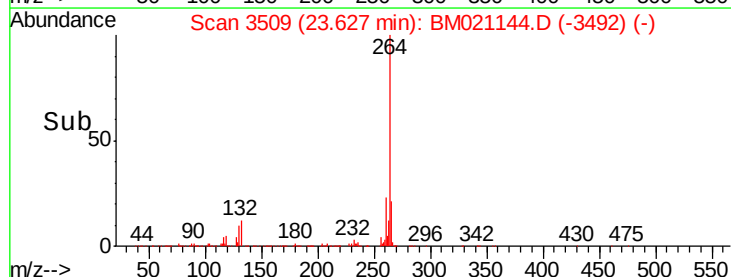
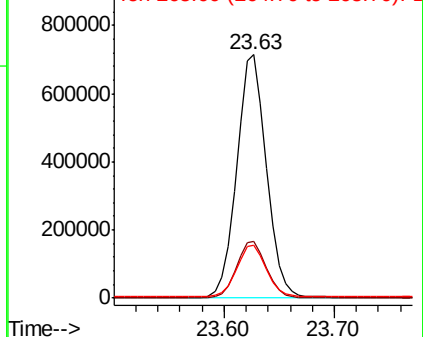


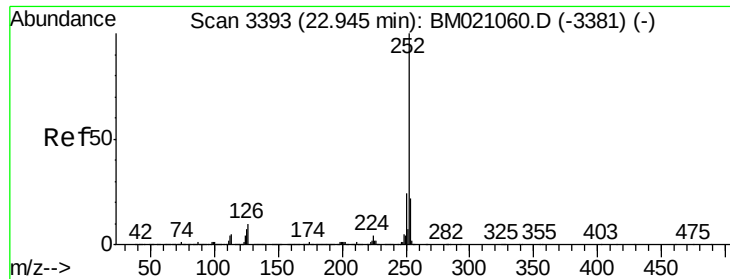
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

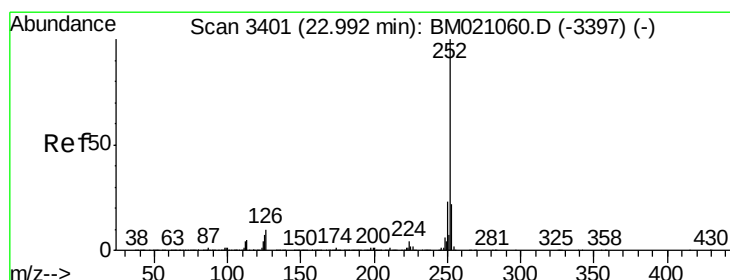
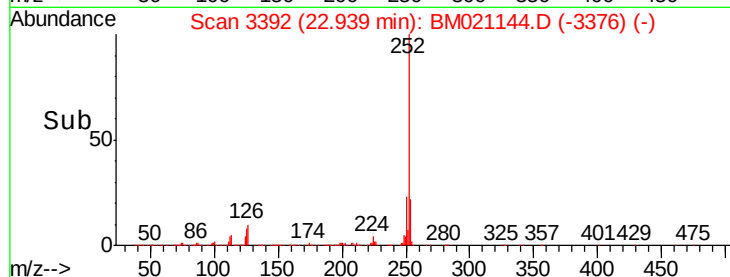
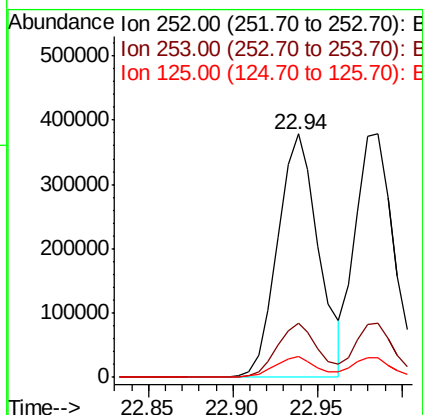
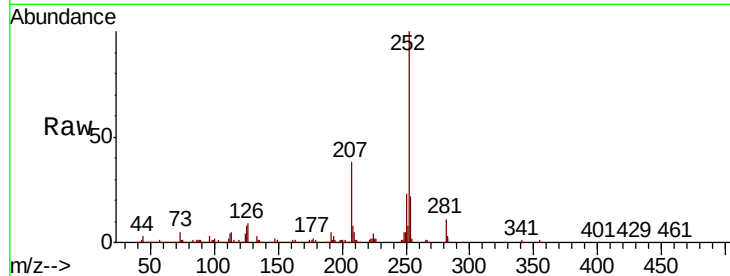




#88
Benzo(b)fluoranthene
Concen: 6.960 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

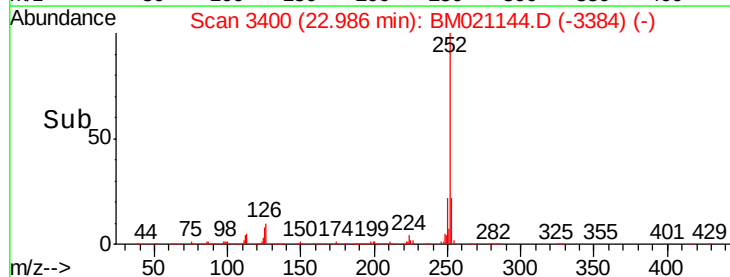
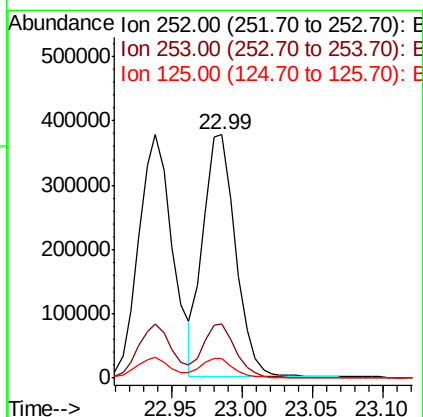
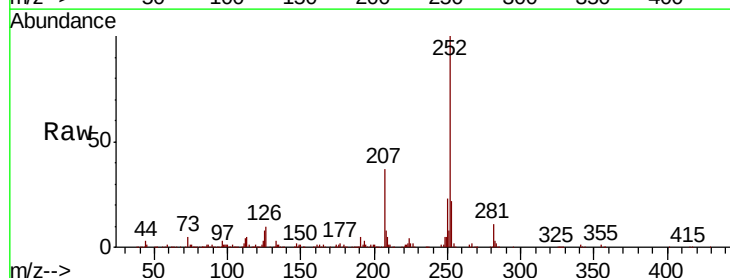
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

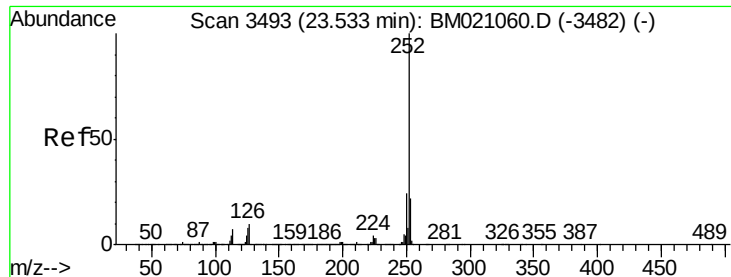
Tgt Ion:252 Resp: 636054
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 8.4 5.9 8.9



#89
Benzo(k)fluoranthene
Concen: 6.825 ng
RT: 22.99 min Scan# 3400
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion:252 Resp: 602889
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 7.8 5.9 8.9

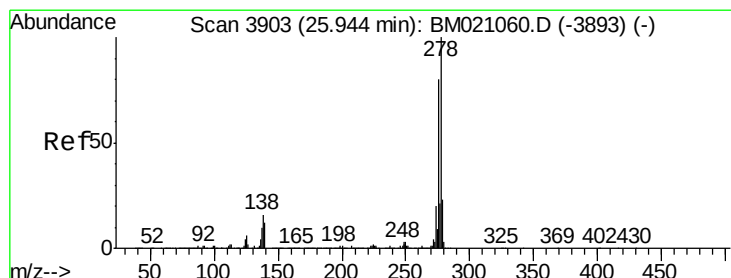
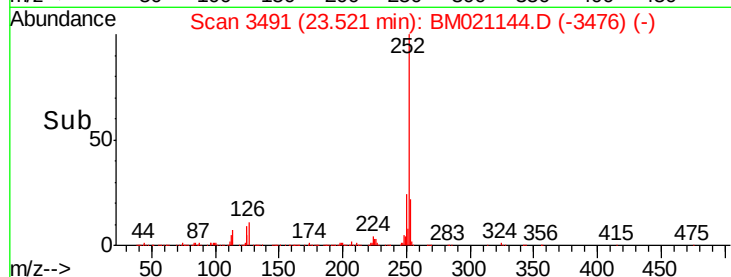
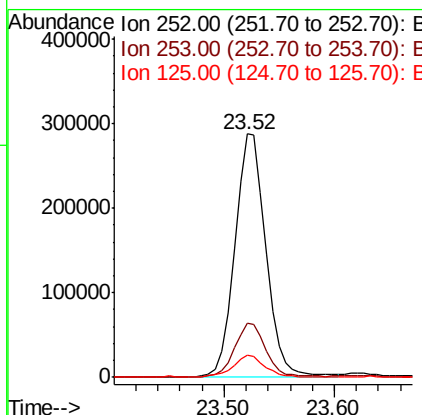
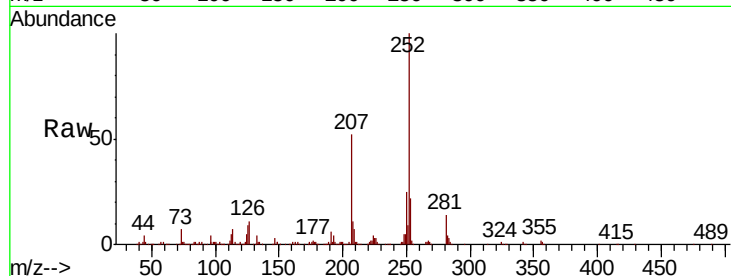




#90
Benzo(a)pyrene
Concen: 6.840 ng
RT: 23.52 min Scan# 3491
Delta R.T. -0.01 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

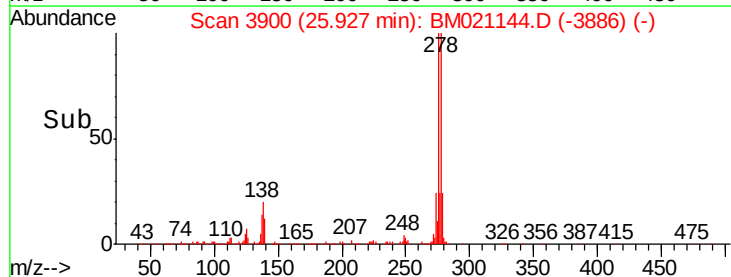
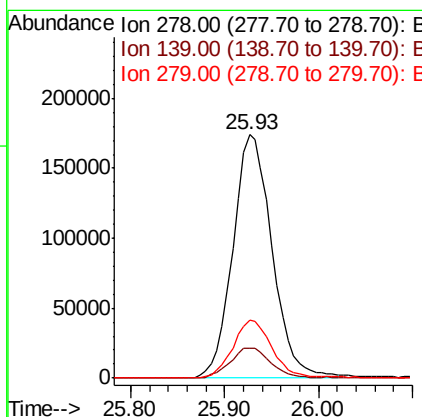
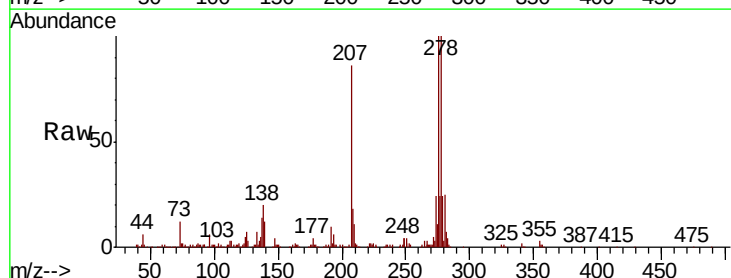
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

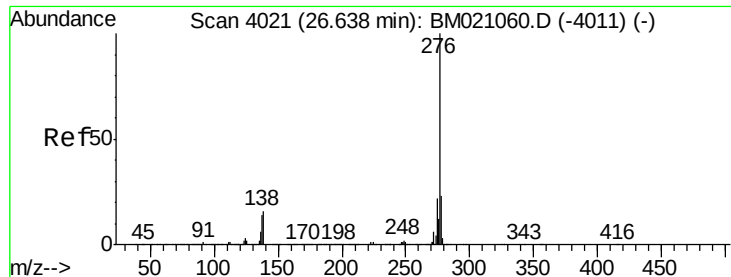
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.3	6.6	10.0



#91
Dibenzo(a,h)anthracene
Concen: 6.127 ng
RT: 25.93 min Scan# 3900
Delta R.T. -0.02 min
Lab File: BM021144.D
Acq: 24 Jun 2019 12:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.1	9.8	14.8
279	23.6	18.7	28.1





#92

Benzo(g,h,i)perylene

Concen: 6.432 ng

RT: 26.62 min Scan# 4018

Delta R.T. -0.02 min

Lab File: BM021144.D

Acq: 24 Jun 2019 12:20

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 276 Resp: 493113

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 17.1 13.1 19.7

