

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062419\
 Data File : BM021143.D
 Acq On : 24 Jun 2019 11:23
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-5PPM
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 25 04:30:41 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	307745	20.00	ng	0.00
21) Naphthalene-d8	10.56	136	1279895	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	876837	20.00	ng	-0.01
64) Phenanthrene-d10	17.16	188	2166802	20.00	ng	0.00
76) Chrysene-d12	21.34	240	2059997	20.00	ng	0.00
87) Perylene-d12	23.62	264	1861280	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	2268222	133.46	ng	0.00
7) Phenol-d6	6.95	99	3188592	128.83	ng	0.00
23) Nitrobenzene-d5	8.94	82	2108422	85.85	ng	0.00
42) 2,4,6-Tribromophenol	15.91	330	2554901	155.28	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	6259867	87.74	ng	0.00
79) Terphenyl-d14	19.79	244	10826332	98.16	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.32	88	30640	4.785	ng	95
3) Pyridine	3.73	79	78221	4.248	ng	96
4) n-Nitrosodimethylamine	3.64	42	28554	4.027	ng	# 88
6) Aniline	7.12	93	141463	4.291	ng	98
8) 2-Chlorophenol	7.34	128	96907	4.633	ng	99
9) Benzaldehyde	6.93	77	94024	2.908	ng	98
10) Phenol	6.97	94	116970	4.626	ng	97
11) bis(2-Chloroethyl)ether	7.21	93	89888	4.490	ng	96
12) 1,3-Dichlorobenzene	7.66	146	113832	4.492	ng	99
13) 1,4-Dichlorobenzene	7.81	146	114828	4.457	ng	97
14) 1,2-Dichlorobenzene	8.12	146	113679	4.502	ng	99
15) Benzyl Alcohol	8.02	79	81669	4.075	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.30	45	117791	4.549	ng	99
17) 2-Methylphenol	8.21	107	78623	4.353	ng	98
18) Hexachloroethane	8.84	117	40596	4.388	ng	96
19) n-Nitroso-di-n-propylamine	8.58	70	79483	4.413	ng	98
20) 3+4-Methylphenols	8.54	107	105373	4.239	ng	99
22) Acetophenone	8.60	105	157772	4.837	ng	99
24) Nitrobenzene	8.97	77	125580	5.162	ng	96
25) Isophorone	9.50	82	215878	4.698	ng	98
26) 2-Nitrophenol	9.69	139	48954	4.110	ng	96
27) 2,4-Dimethylphenol	9.74	122	76359	4.395	ng	98
28) bis(2-Chloroethoxy)methane	9.98	93	132317	4.634	ng	99
29) 2,4-Dichlorophenol	10.21	162	100457	4.468	ng	100
30) 1,2,4-Trichlorobenzene	10.42	180	125558	4.737	ng	98
31) Naphthalene	10.61	128	338279	4.994	ng	99
33) 4-Chloroaniline	10.73	127	136958	4.454	ng	99
34) Hexachlorobutadiene	10.88	225	77289	4.618	ng	97
35) Caprolactam	11.53	113	28915	4.111	ng	97
36) 4-Chloro-3-methylphenol	11.85	107	106524	4.656	ng	99
37) 2-Methylnaphthalene	12.22	142	261817	5.024	ng	98
38) 1-Methylnaphthalene	12.45	142	251601	5.062	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.59	216	155126	4.674	ng	99
41) Hexachlorocyclopentadiene	12.56	237	57061	2.966	ng	98

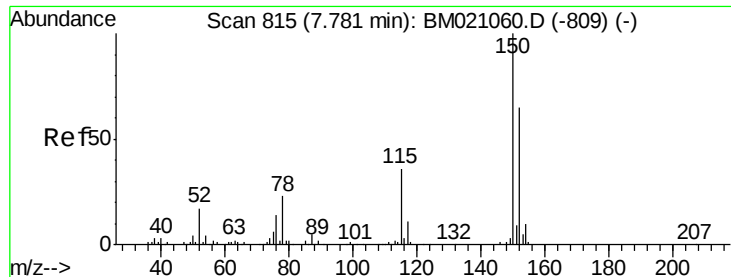
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062419\
 Data File : BM021143.D
 Acq On : 24 Jun 2019 11:23
 Operator : HP/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	12.84	196	91101	4.148	ng	97
44) 2,4,5-Trichlorophenol	12.91	196	101568	4.466	ng	97
46) 1,1'-Biphenyl	13.25	154	368243	4.907	ng	98
47) 2-Chloronaphthalene	13.29	162	283536	4.652	ng	99
48) 2-Nitroaniline	13.50	65	61319	3.677	ng	89
49) Acenaphthylene	14.13	152	440291	4.747	ng	100
50) Dimethylphthalate	13.87	163	362616	4.651	ng	99
51) 2,6-Dinitrotoluene	14.00	165	73228	4.366	ng	97
52) Acenaphthene	14.47	154	262798	4.696	ng	98
53) 3-Nitroaniline	14.33	138	65675	3.841	ng	100
54) 2,4-Dinitrophenol	14.54	184	21206	2.354	ng	93
55) Dibenzofuran	14.81	168	450928	4.939	ng	99
56) 4-Nitrophenol	14.64	139	43317	3.313	ng	91
57) 2,4-Dinitrotoluene	14.79	165	95251	4.113	ng	92
58) Fluorene	15.46	166	358182	4.802	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.04	232	98051	4.512	ng	97
60) Diethylphthalate	15.24	149	353724	4.607	ng	98
61) 4-Chlorophenyl-phenylether	15.46	204	197949	4.697	ng	99
62) 4-Nitroaniline	15.50	138	63074	3.515	ng	94
63) Azobenzene	15.75	77	295188	4.687	ng	98
65) 4,6-Dinitro-2-methylphenol	15.55	198	41088	3.075	ng	99
66) n-Nitrosodiphenylamine	15.67	169	309447	4.531	ng	97
67) 4-Bromophenyl-phenylether	16.35	248	124384	4.312	ng	96
68) Hexachlorobenzene	16.46	284	154043	4.470	ng	98
69) Atrazine	16.63	200	104126	4.688	ng	99
70) Pentachlorophenol	16.81	266	72616	3.911	ng	98
71) Phenanthrene	17.20	178	605912	4.852	ng	99
72) Anthracene	17.29	178	575647	4.654	ng	100
73) Carbazole	17.57	167	506219	4.628	ng	100
74) Di-n-butylphthalate	18.13	149	581389	4.342	ng	99
75) Fluoranthene	19.22	202	707970	4.909	ng	99
77) Benzidine	19.42	184	144283	2.412	ng	99
78) Pyrene	19.58	202	732719	4.904	ng	100
80) Butylbenzylphthalate	20.49	149	268189	4.504	ng	98
81) Benzo(a)anthracene	21.33	228	694796	4.948	ng	99
82) 3,3'-Dichlorobenzidine	21.27	252	206688	3.886	ng	99
83) Chrysene	21.38	228	659022	4.926	ng	99
84) Bis(2-ethylhexyl)phthalate	21.26	149	369114	4.355	ng	98
85) Di-n-octyl phthalate	22.14	149	573585	4.303	ng	99
86) Indeno(1,2,3-cd)pyrene	25.91	276	598585	4.044	ng	99
88) Benzo(b)fluoranthene	22.94	252	600868	4.785	ng	99
89) Benzo(k)fluoranthene	22.98	252	594377	4.897	ng	99
90) Benzo(a)pyrene	23.52	252	541744	4.781	ng	99
91) Dibenzo(a,h)anthracene	25.93	278	507523	4.493	ng	100
92) Benzo(g,h,i)perylene	26.62	276	492096	4.671	ng	100

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

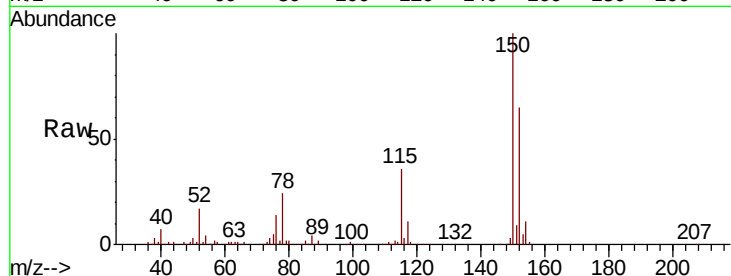


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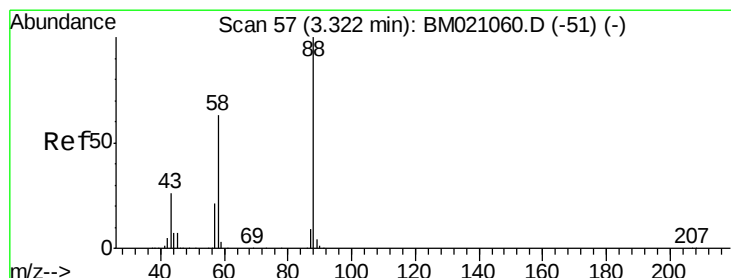
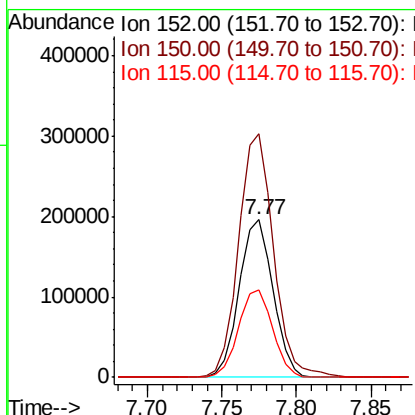
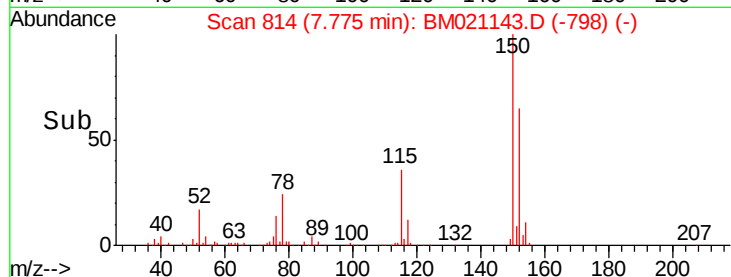
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.77 min Scan# 814
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

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

Tgt Ion:152 Resp: 307745
Ion Ratio Lower Upper
152 100
150 154.8 123.1 184.7
115 55.3 44.2 66.4



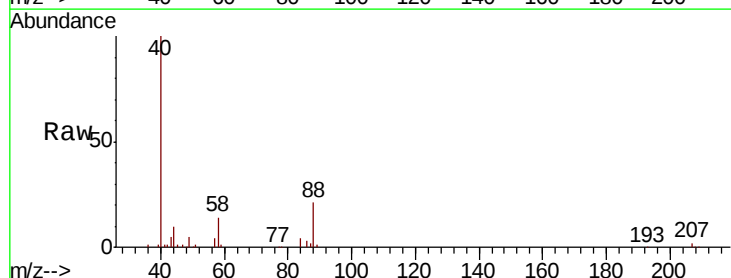
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



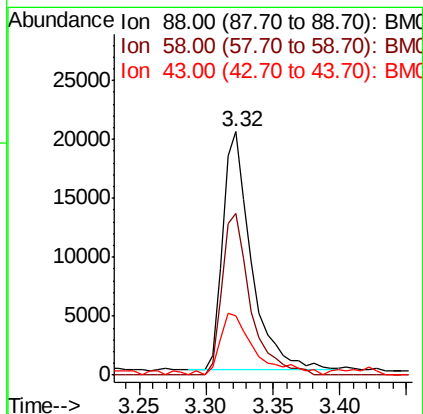
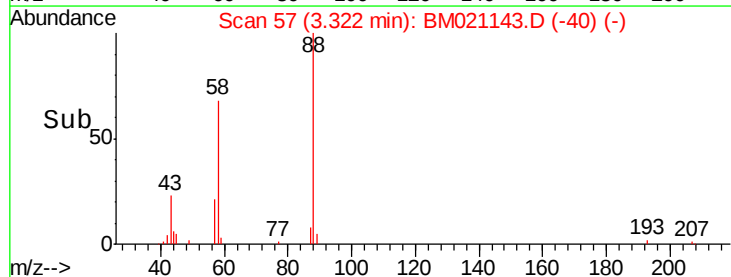
#2

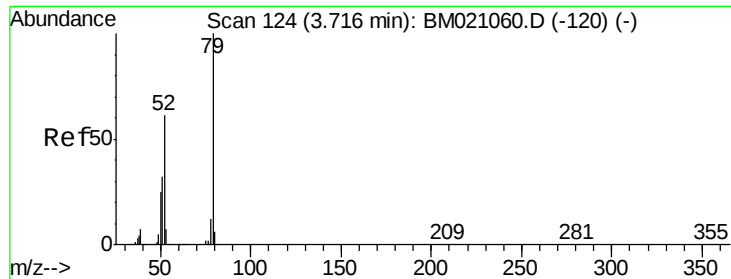
1,4-Dioxane
Concen: 4.785 ng
RT: 3.32 min Scan# 57
Delta R.T. -0.00 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion: 88 Resp: 30640
Ion Ratio Lower Upper
88 100
58 67.3 51.9 77.9
43 31.4 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: 4.248 ng

RT: 3.73 min Scan# 127

Delta R.T. 0.02 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

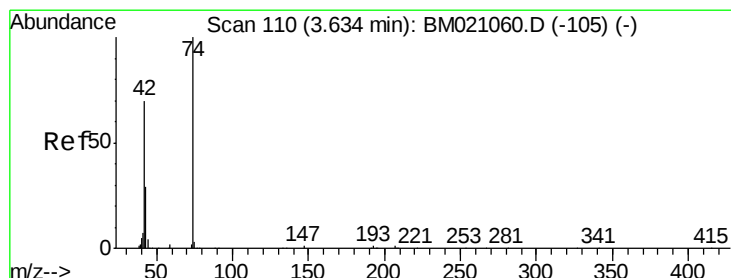
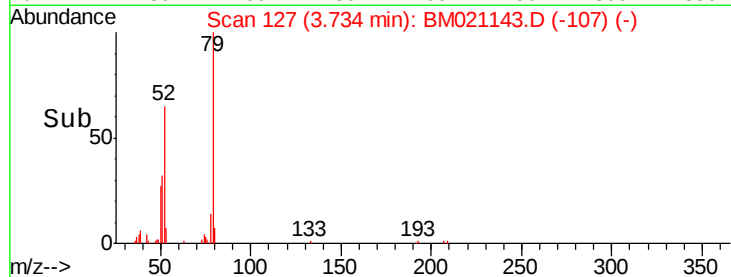
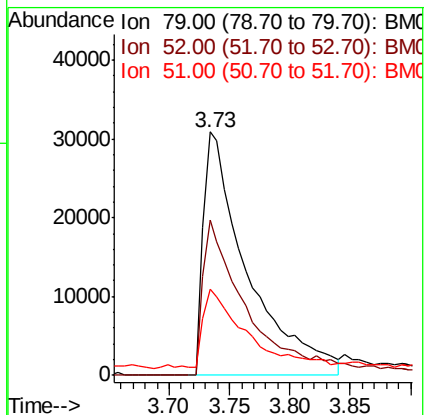
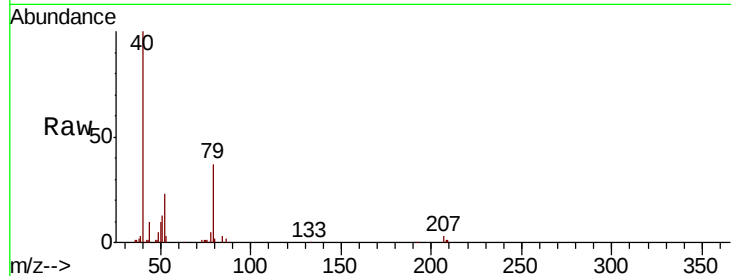
Tgt Ion: 79 Resp: 78221

Ion Ratio Lower Upper

79 100

52 63.7 48.8 73.2

51 35.6 25.7 38.5



#4

n-Nitrosodimethylamine

Concen: 4.027 ng

RT: 3.64 min Scan# 111

Delta R.T. 0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

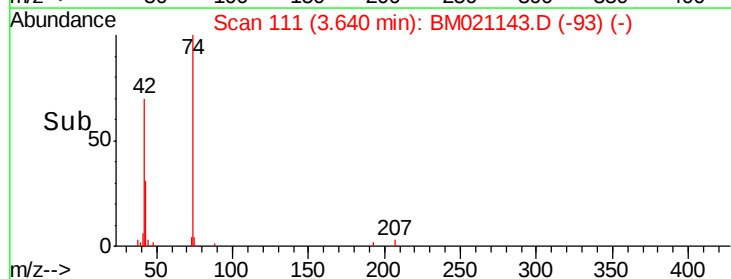
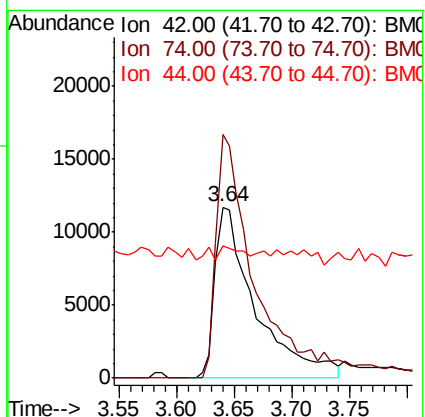
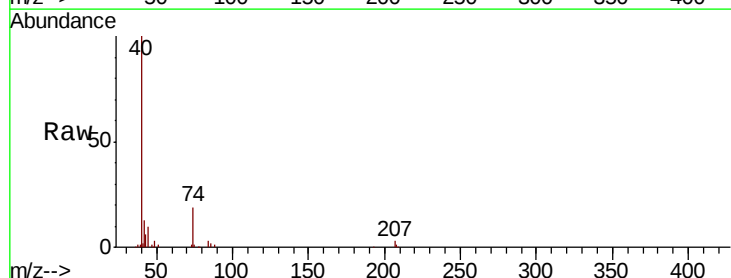
Tgt Ion: 42 Resp: 28554

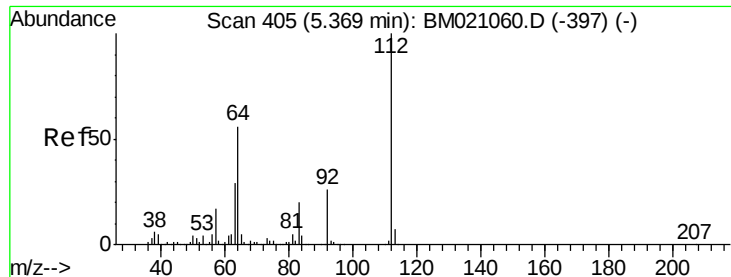
Ion Ratio Lower Upper

42 100

74 142.3 113.8 170.6

44 77.2 8.2 12.2#





#5

2-Fluorophenol

Concen: 133.459 ng

RT: 5.36 min Scan# 404

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

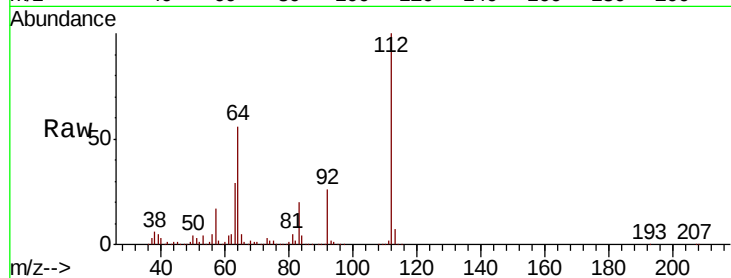
Tgt Ion:112 Resp: 2268222

Ion Ratio Lower Upper

112 100

64 55.8 45.2 67.8

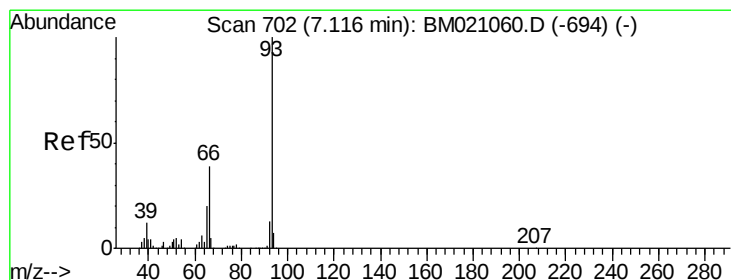
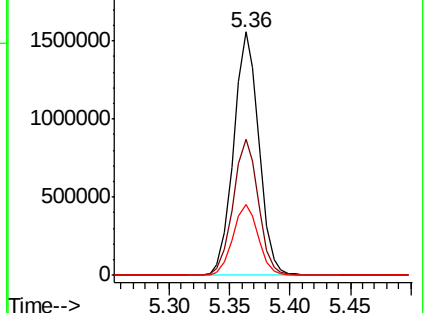
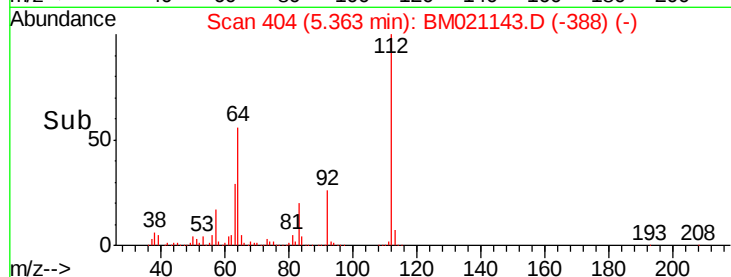
63 29.3 23.5 35.3



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: 4.291 ng

RT: 7.12 min Scan# 702

Delta R.T. -0.00 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

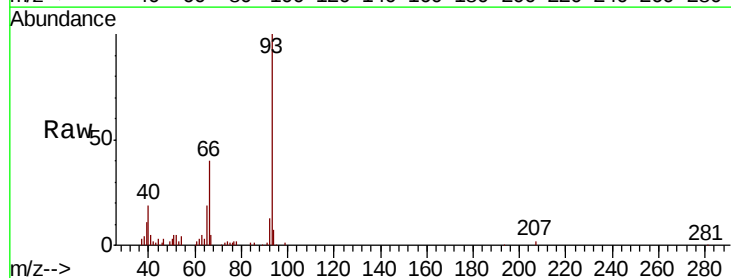
Tgt Ion: 93 Resp: 141463

Ion Ratio Lower Upper

93 100

66 40.3 31.3 46.9

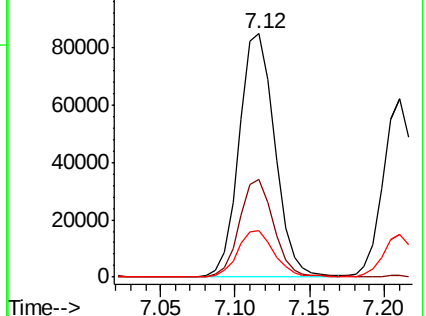
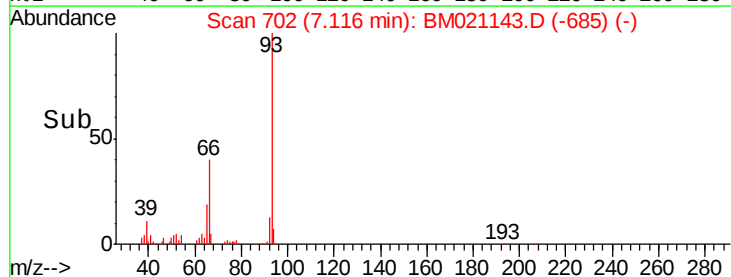
65 19.2 15.9 23.9

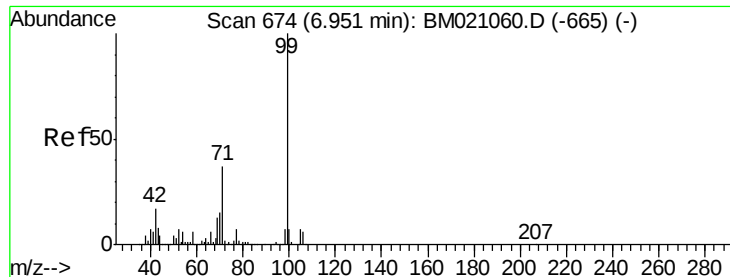


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 128.831 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

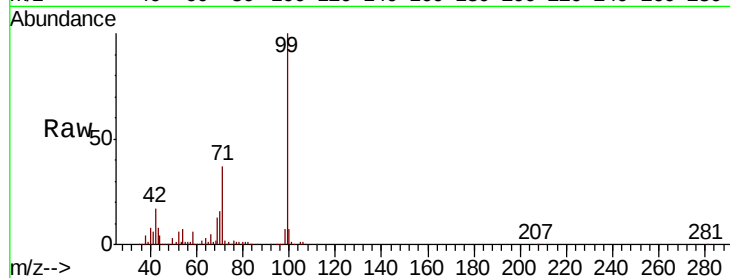
Tgt Ion: 99 Resp: 3188592

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

71 37.1 29.3 43.9

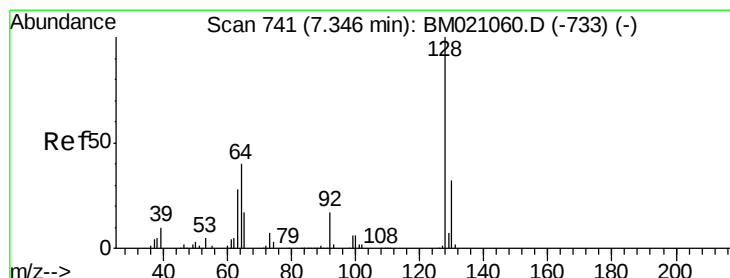
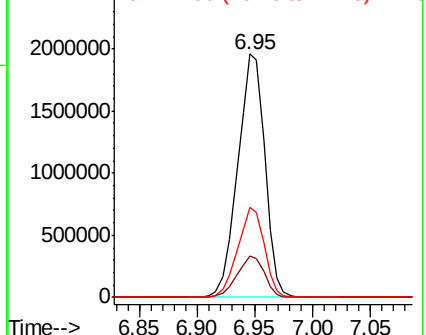
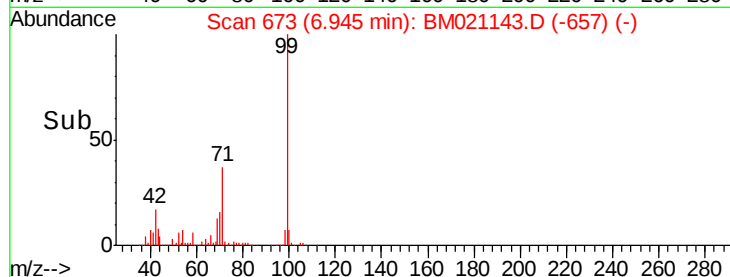


Abundance

Ion 99.00 (98.70 to 99.70): BM021143.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM021143.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM021143.D (-657) (-)



#8

2-Chlorophenol

Concen: 4.633 ng

RT: 7.34 min Scan# 740

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

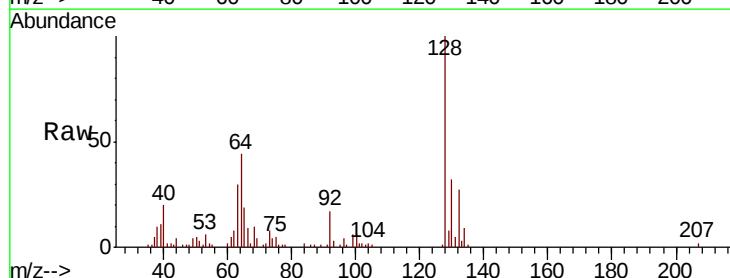
Tgt Ion: 128 Resp: 96907

Ion Ratio Lower Upper

128 100

130 32.2 12.2 52.2

64 44.4 23.2 63.2

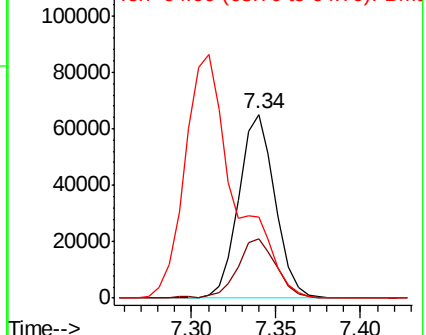
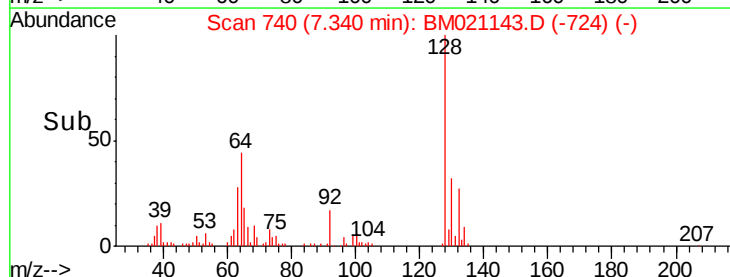


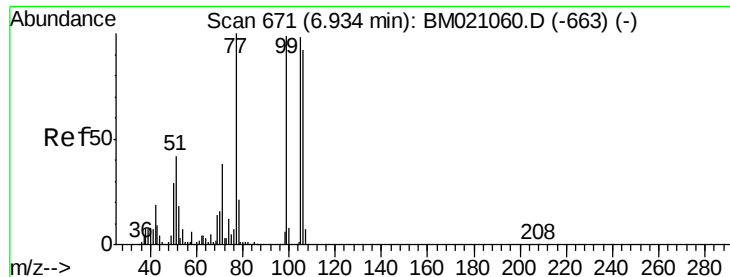
Abundance

Ion 128.00 (127.70 to 128.70): BM021143.D (-724) (-)

Ion 130.00 (129.70 to 130.70): BM021143.D (-724) (-)

Ion 64.00 (63.70 to 64.70): BM021143.D (-724) (-)





#9

Benzaldehyde

Concen: 2.908 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

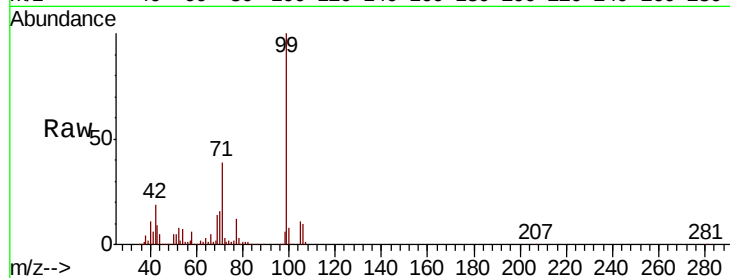
Tgt Ion: 77 Resp: 94024

Ion Ratio Lower Upper

77 100

105 95.7 77.8 117.8

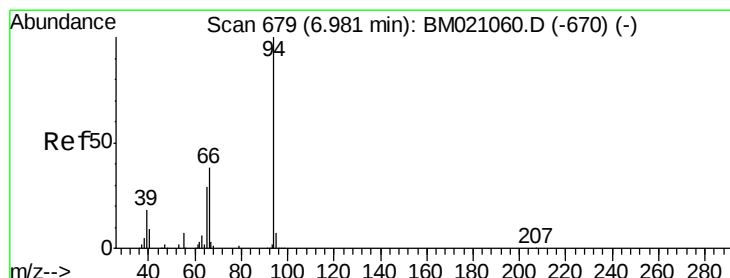
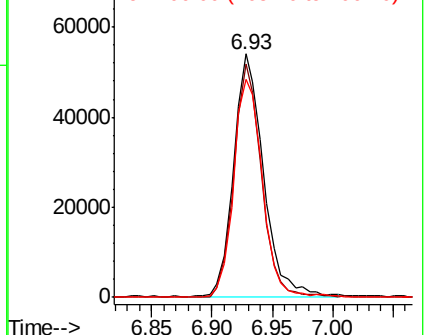
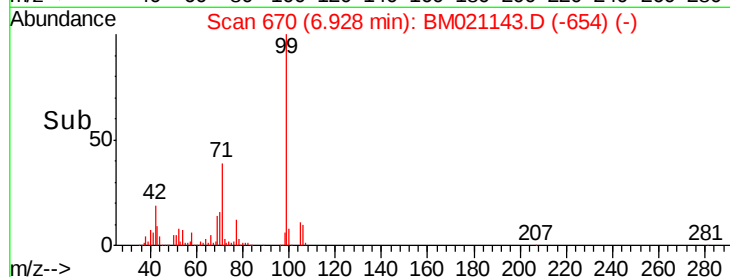
106 89.4 71.8 111.8



Abundance Ion 77.00 (76.70 to 77.70): BM021143.D (-654) (-)

Ion 105.00 (104.70 to 105.70): BM021143.D (-654) (-)

Ion 106.00 (105.70 to 106.70): BM021143.D (-654) (-)



#10

Phenol

Concen: 4.626 ng

RT: 6.97 min Scan# 678

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

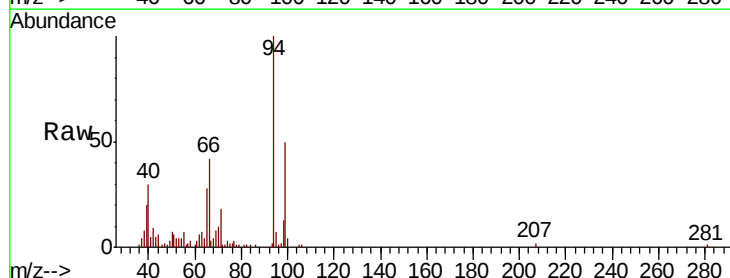
Tgt Ion: 94 Resp: 116970

Ion Ratio Lower Upper

94 100

65 28.2 8.7 48.7

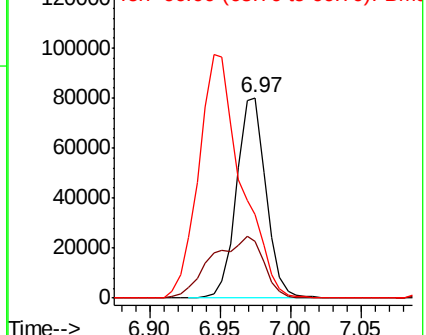
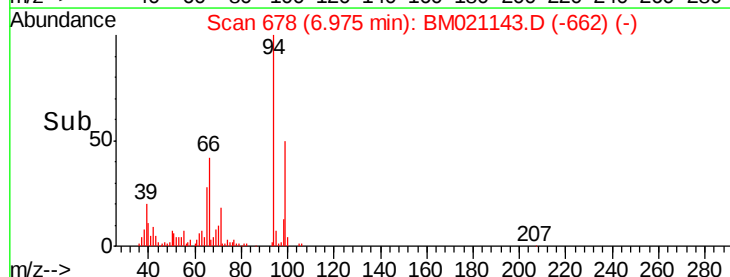
66 41.5 19.0 59.0

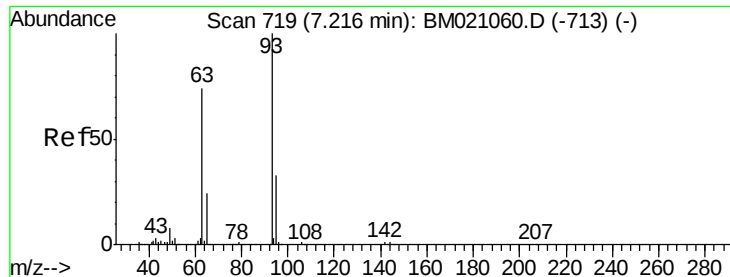


Abundance Ion 94.00 (93.70 to 94.70): BM021143.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM021143.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM021143.D (-662) (-)



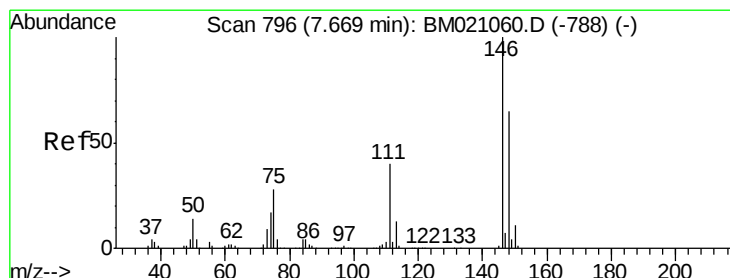
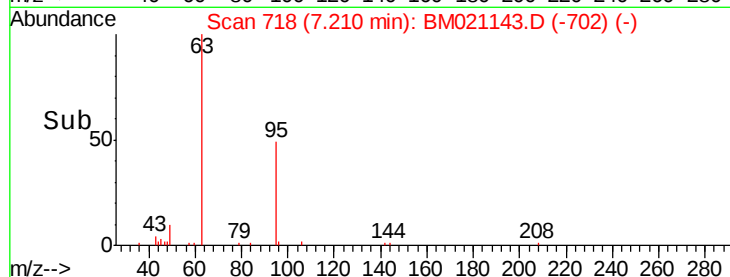
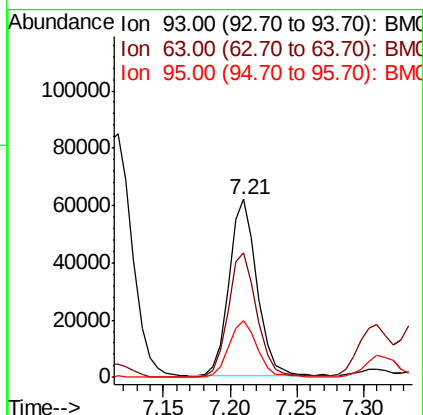
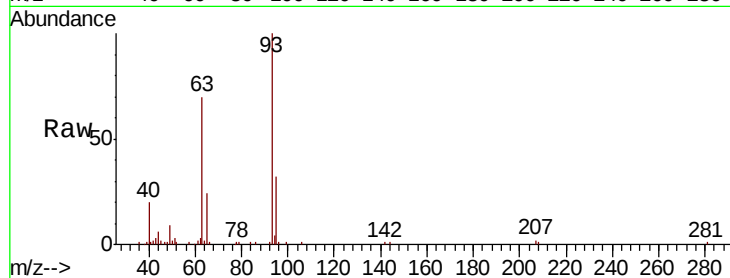


#11
bis(2-Chloroethyl)ether
Concen: 4.490 ng
RT: 7.21 min Scan# 718
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

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

Tgt Ion: 93 Resp: 89888

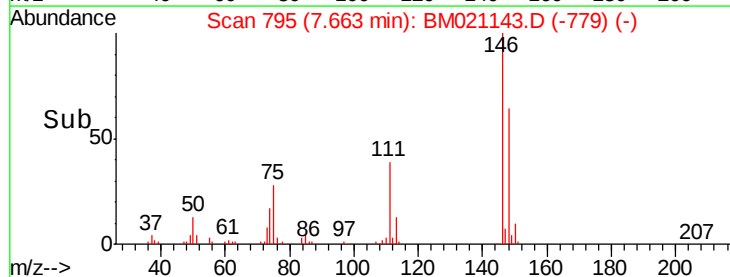
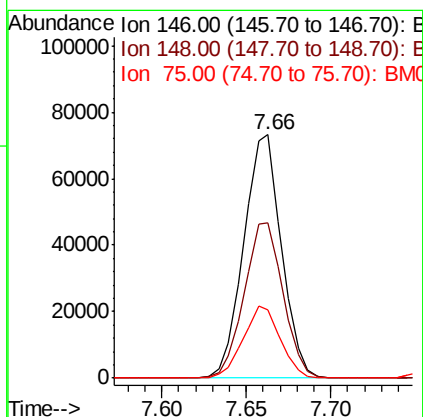
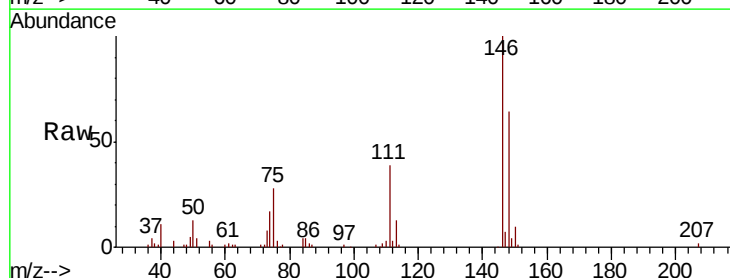
Ion	Ratio	Lower	Upper
93	100		
63	70.0	53.4	93.4
95	31.5	13.0	53.0

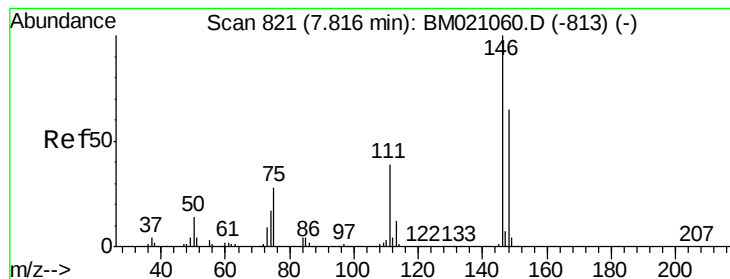


#12
1,3-Dichlorobenzene
Concen: 4.492 ng
RT: 7.66 min Scan# 795
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion: 146 Resp: 113832

Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.2	78.2
75	27.9	22.2	33.4





#13

1,4-Dichlorobenzene

Concen: 4.457 ng

RT: 7.81 min Scan# 820

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

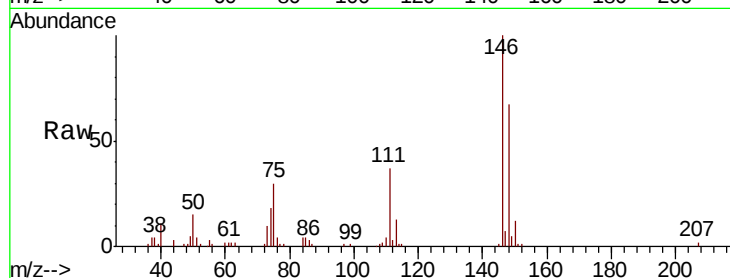
Tgt Ion:146 Resp: 114828

Ion Ratio Lower Upper

146 100

148 67.5 51.9 77.9

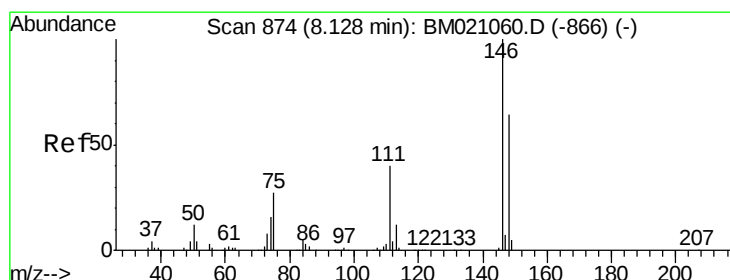
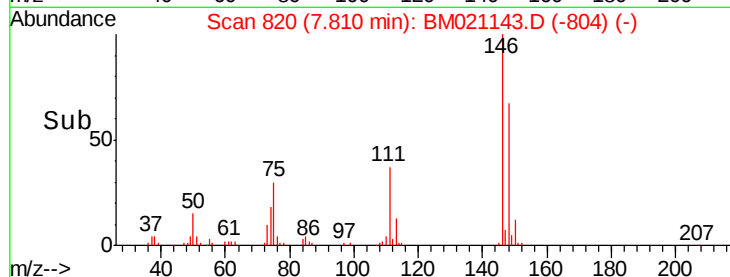
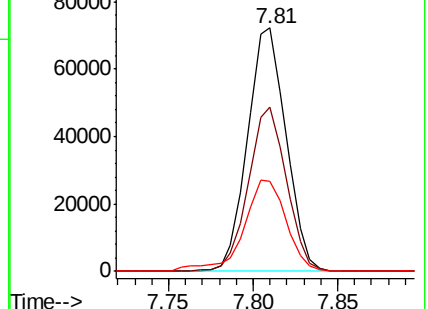
111 36.9 31.4 47.0



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: 4.502 ng

RT: 8.12 min Scan# 873

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

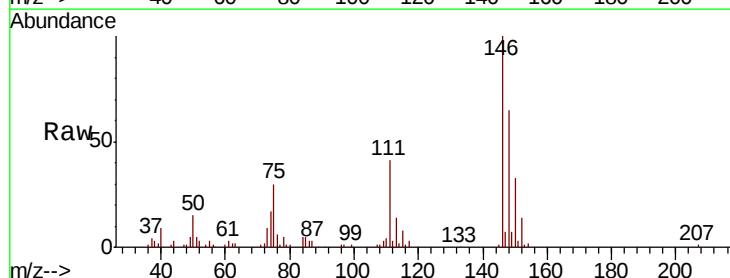
Tgt Ion:146 Resp: 113679

Ion Ratio Lower Upper

146 100

148 64.7 51.2 76.8

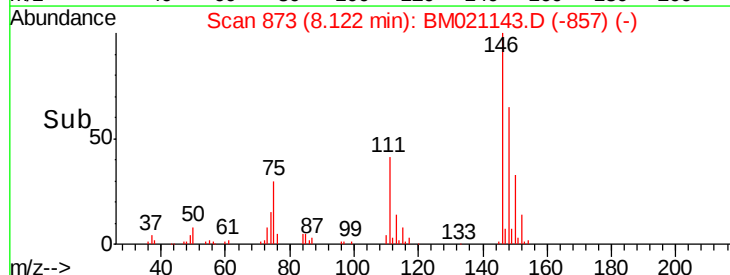
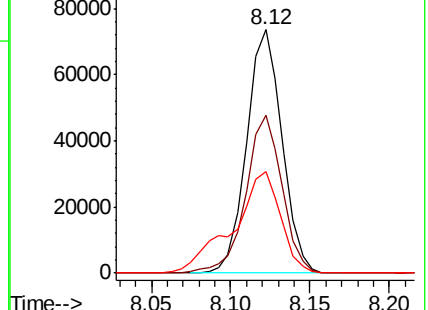
111 41.5 32.8 49.2

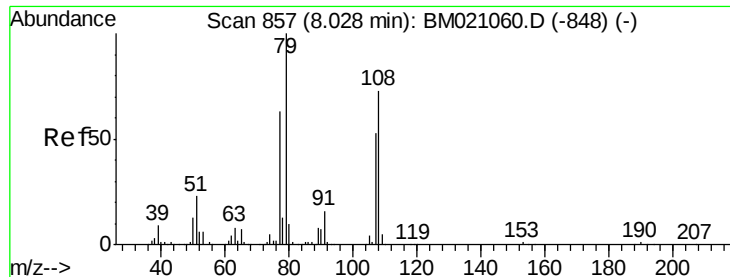


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

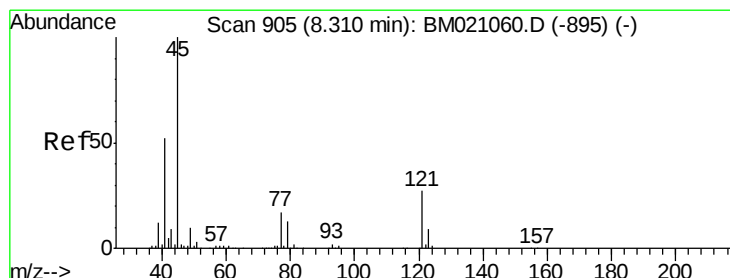
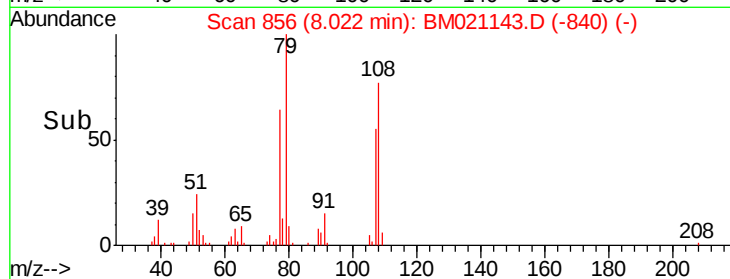
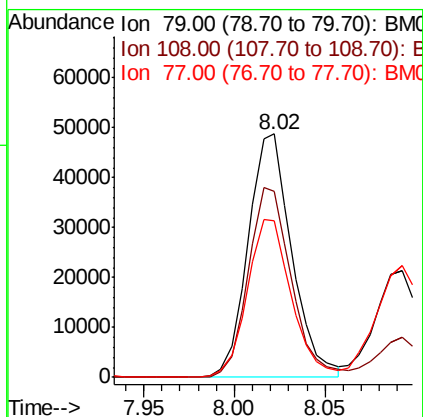
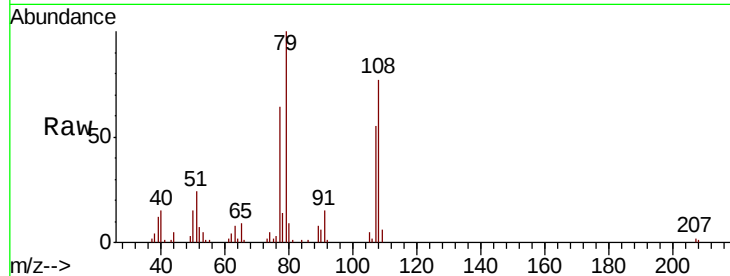




#15
Benzyl Alcohol
Concen: 4.075 ng
RT: 8.02 min Scan# 856
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

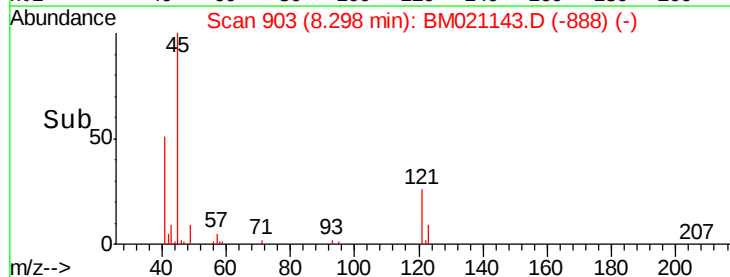
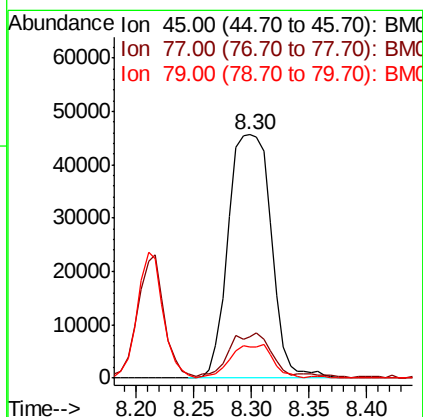
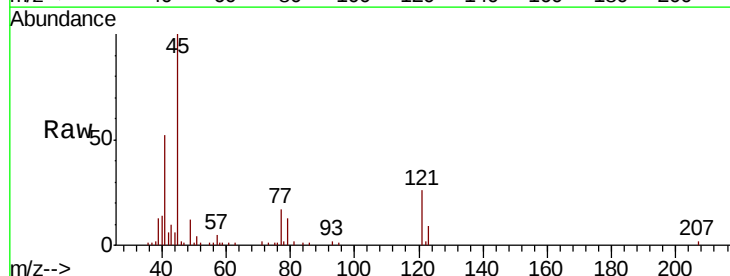
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

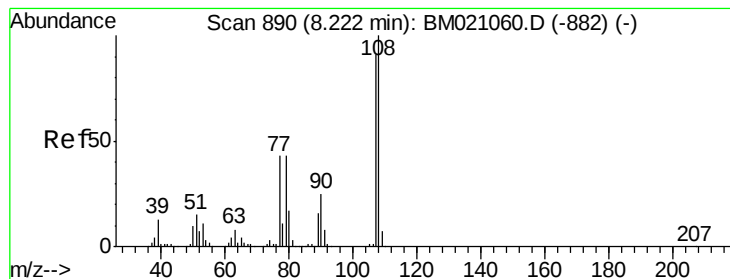
Tgt Ion: 79 Resp: 81669
Ion Ratio Lower Upper
79 100
108 76.6 58.4 87.6
77 64.3 50.1 75.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.549 ng
RT: 8.30 min Scan# 903
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion: 45 Resp: 117791
Ion Ratio Lower Upper
45 100
77 17.2 0.0 37.5
79 12.7 0.0 33.5





#17

2-Methylphenol

Concen: 4.353 ng

RT: 8.21 min Scan# 888

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:107 Resp: 78623

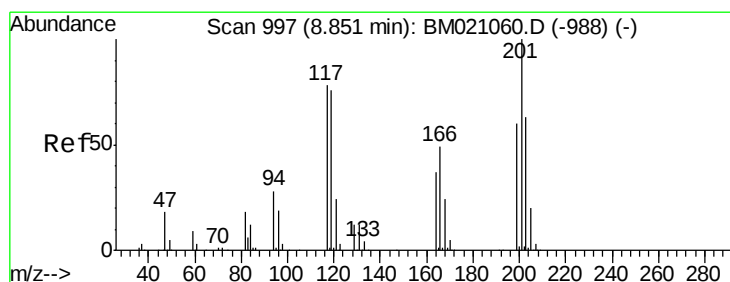
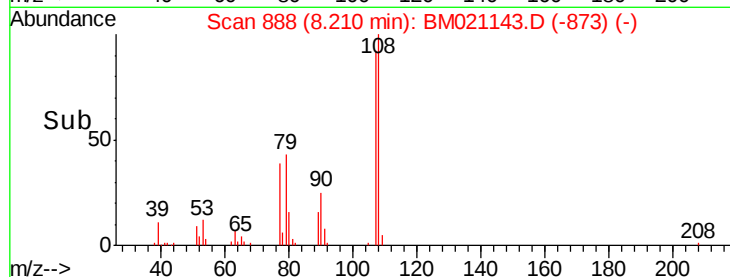
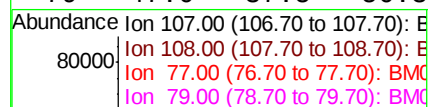
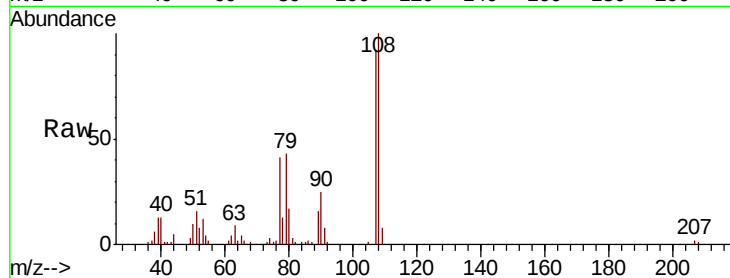
Ion Ratio Lower Upper

107 100

108 108.2 87.5 131.3

77 43.9 37.8 56.8

79 47.0 37.5 56.3



#18

Hexachloroethane

Concen: 4.388 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

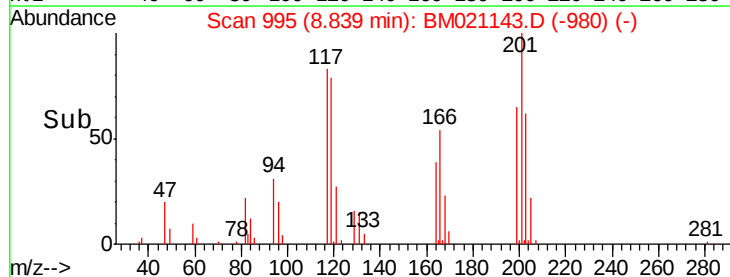
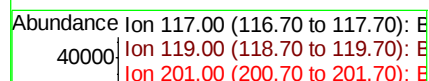
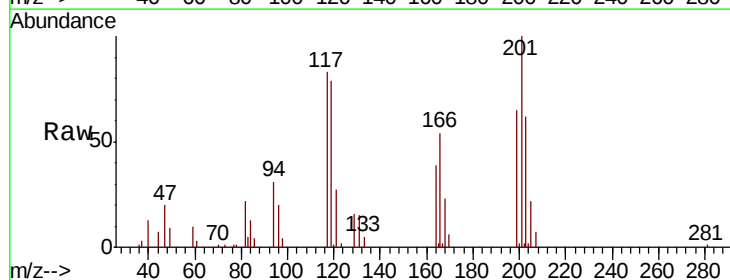
Tgt Ion:117 Resp: 40596

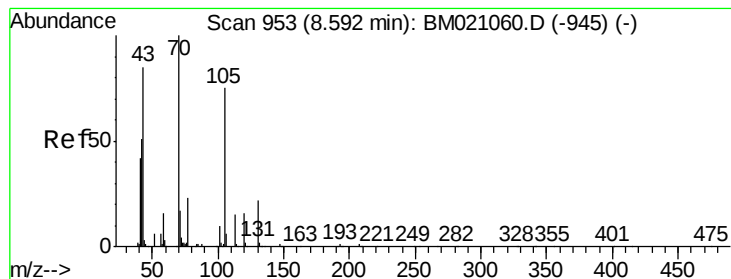
Ion Ratio Lower Upper

117 100

119 95.6 77.5 116.3

201 120.6 102.3 153.5





#19

n-Nitroso-di-n-propylamine

Concen: 4.413 ng

RT: 8.58 min Scan# 951

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 70 Resp: 79483

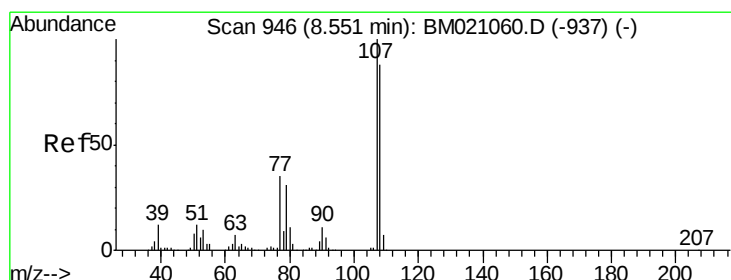
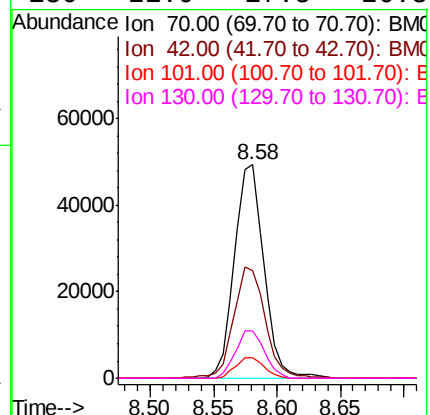
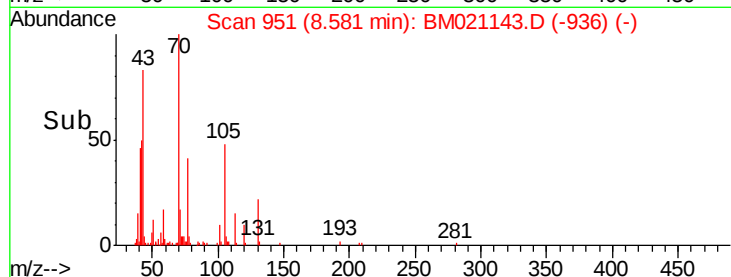
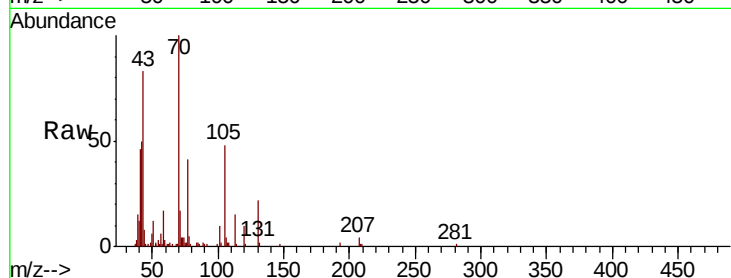
Ion Ratio Lower Upper

70 100

42 50.1 41.9 62.9

101 9.6 8.1 12.1

130 21.9 17.5 26.3



#20

3+4-Methylphenols

Concen: 4.239 ng

RT: 8.54 min Scan# 944

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Tgt Ion: 107 Resp: 105373

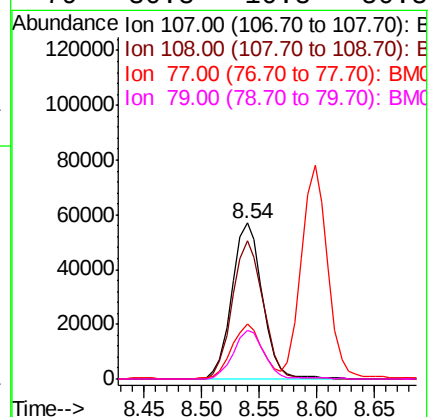
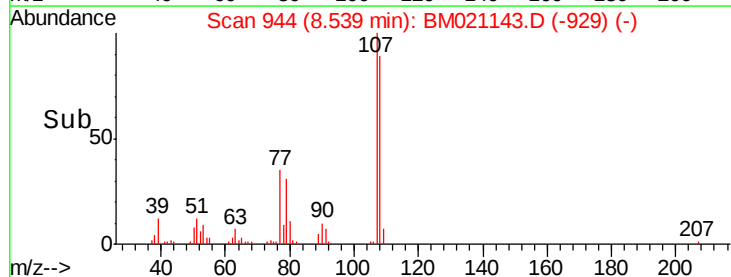
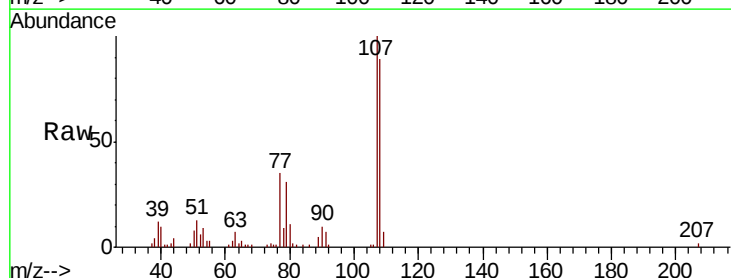
Ion Ratio Lower Upper

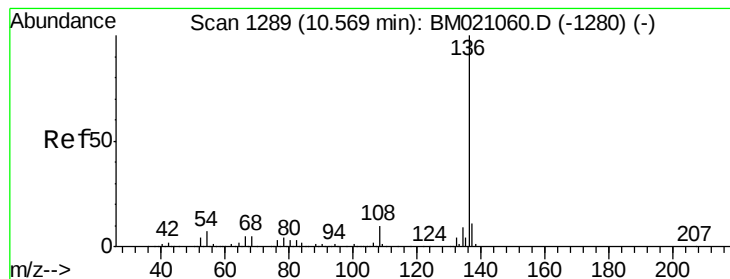
107 100

108 88.8 67.9 107.9

77 35.2 14.6 54.6

79 30.8 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: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:136 Resp: 1279895

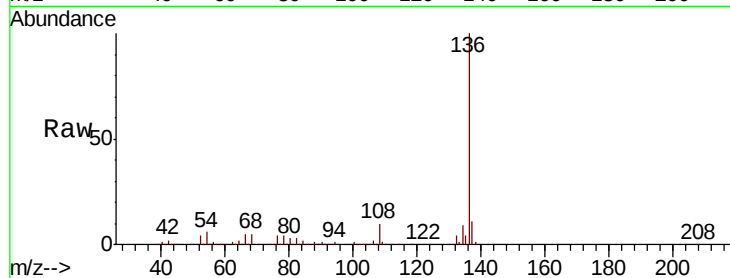
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 6.5 5.3 7.9

68 4.9 4.4 6.6

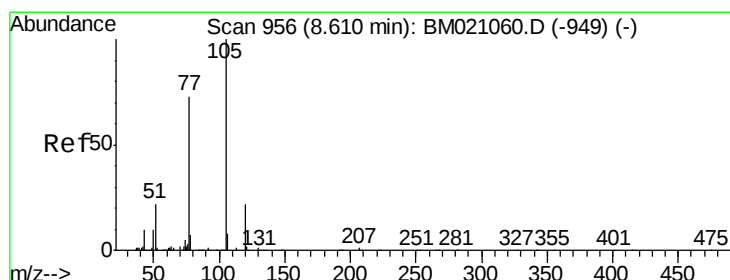
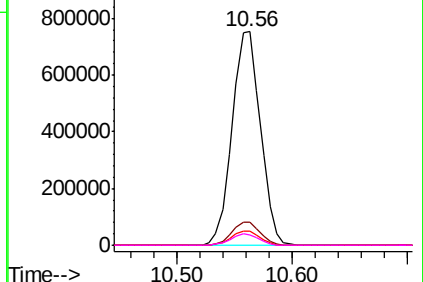
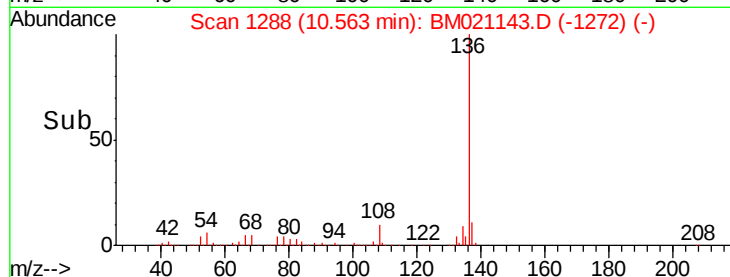


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.837 ng

RT: 8.60 min Scan# 954

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Tgt Ion:105 Resp: 157772

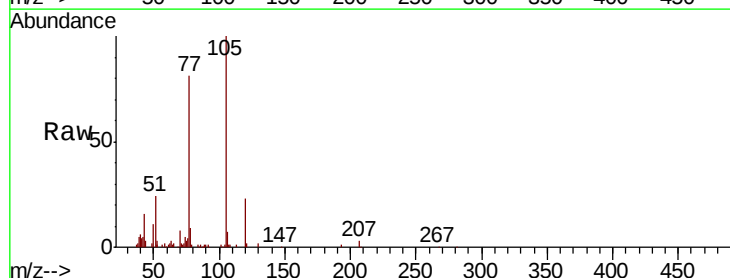
Ion Ratio Lower Upper

105 100

71 1.5 1.2 1.8

51 24.0 19.1 28.7

120 23.1 17.9 26.9

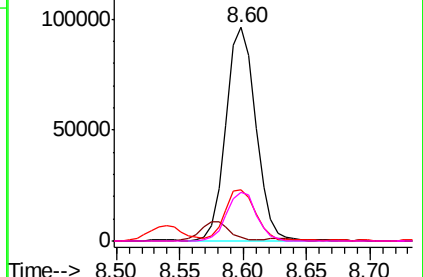
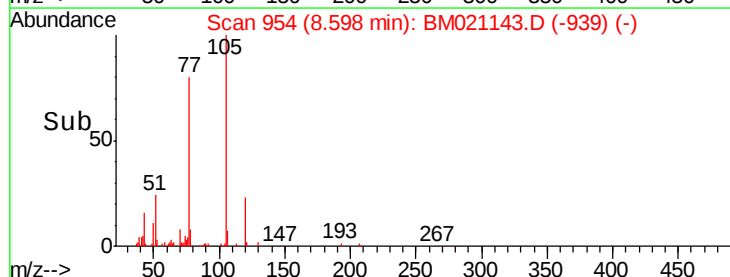


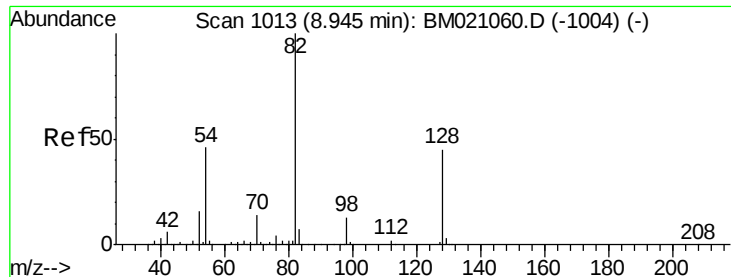
Abundance Ion 105.00 (104.70 to 105.70): E

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

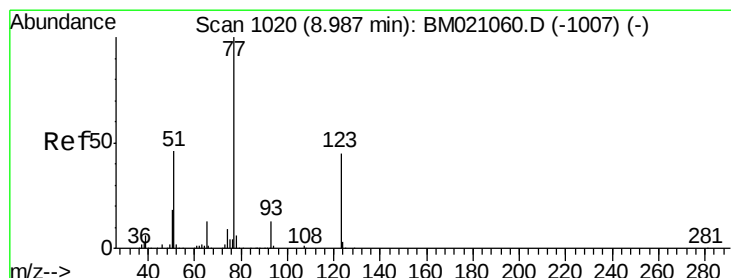
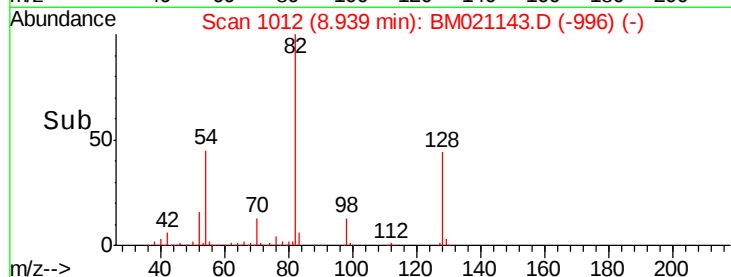
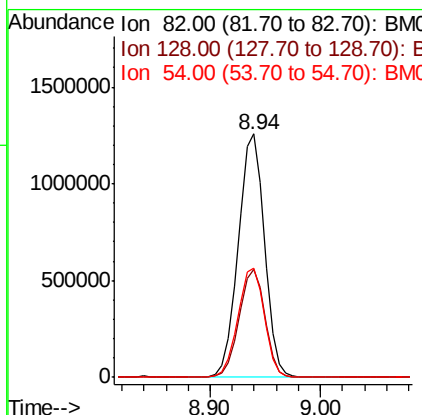
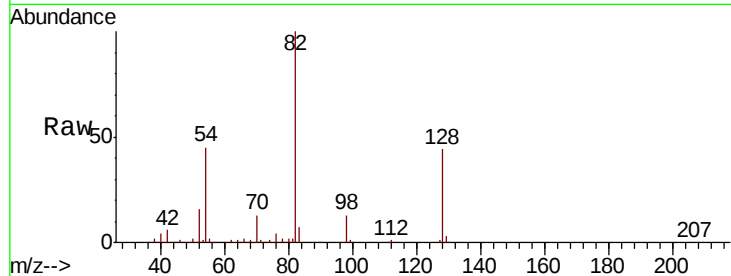




#23
Nitrobenzene-d5
Concen: 85.854 ng
RT: 8.94 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

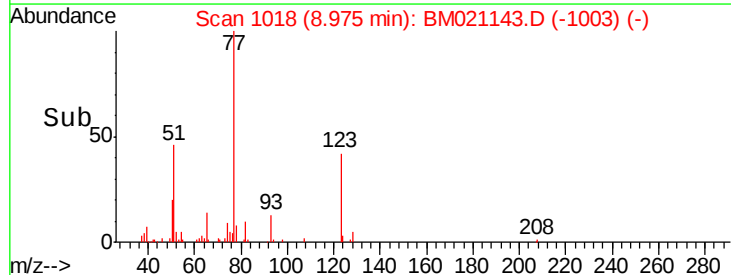
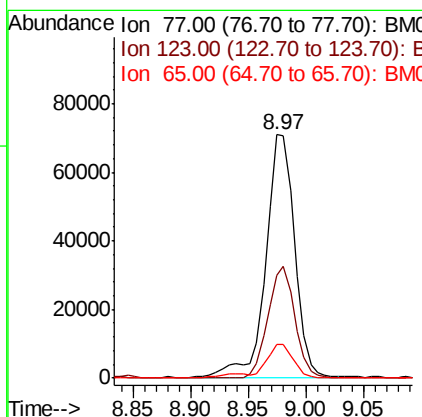
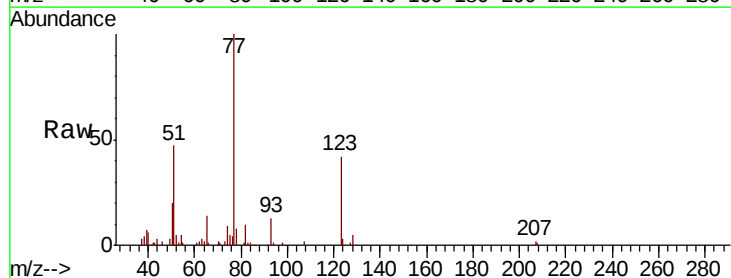
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

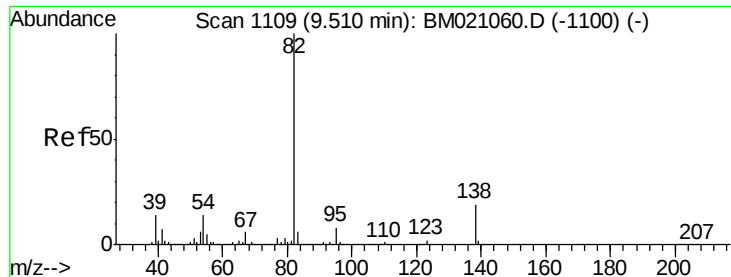
Tgt Ion: 82 Resp: 2108422
Ion Ratio Lower Upper
82 100
128 44.3 35.9 53.9
54 44.9 36.6 55.0



#24
Nitrobenzene
Concen: 5.162 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion: 77 Resp: 125580
Ion Ratio Lower Upper
77 100
123 42.2 36.3 54.5
65 13.8 10.6 16.0

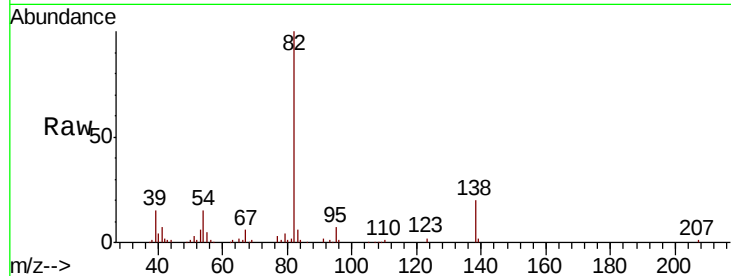




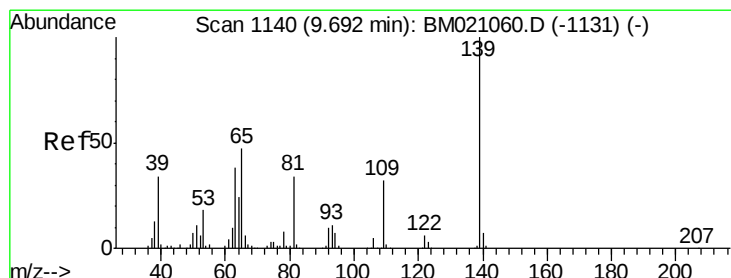
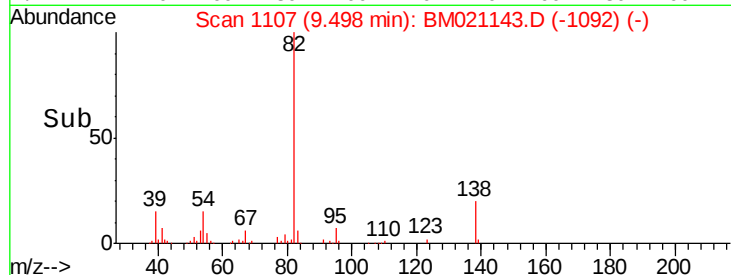
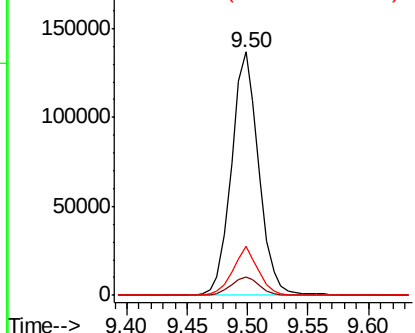
#25
Isophorone
Concen: 4.698 ng
RT: 9.50 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

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

Tgt Ion: 82 Resp: 215878
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 19.9 15.0 22.6

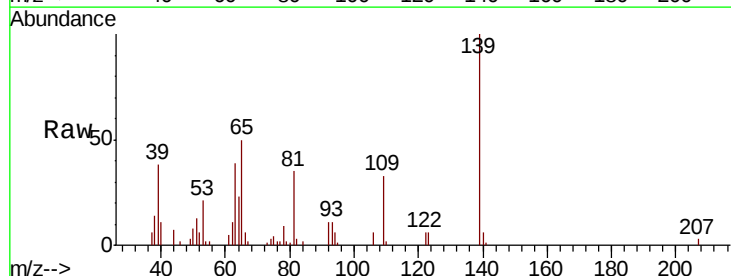


Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 95.00 (94.70 to 95.70): BM0
Ion 138.00 (137.70 to 138.70): E

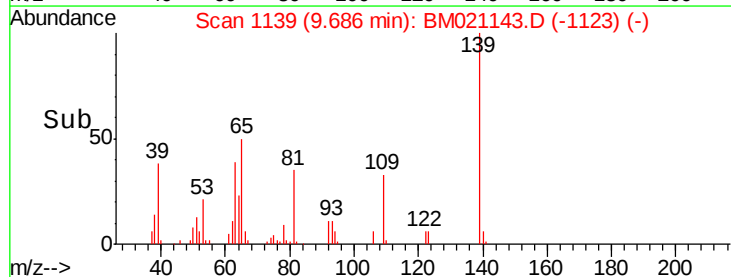
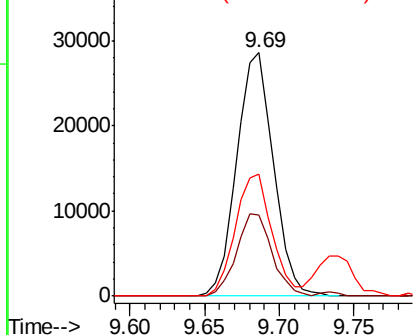


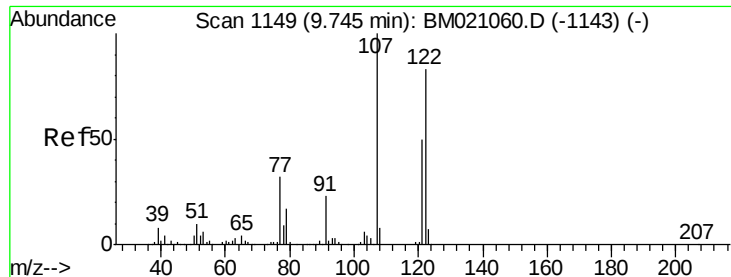
#26
2-Nitrophenol
Concen: 4.110 ng
RT: 9.69 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion: 139 Resp: 48954
Ion Ratio Lower Upper
139 100
109 33.4 25.2 37.8
65 50.1 37.4 56.0



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): BM0

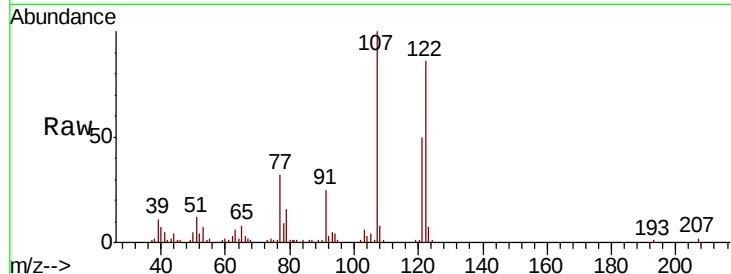




#27
 2,4-Dimethylphenol
 Concen: 4.395 ng
 RT: 9.74 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

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

Tgt Ion	Ratio	Lower	Upper
122	100		
107	116.6	95.3	142.9
121	57.8	47.5	71.3

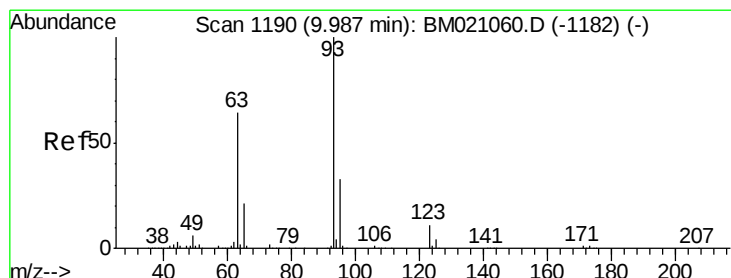
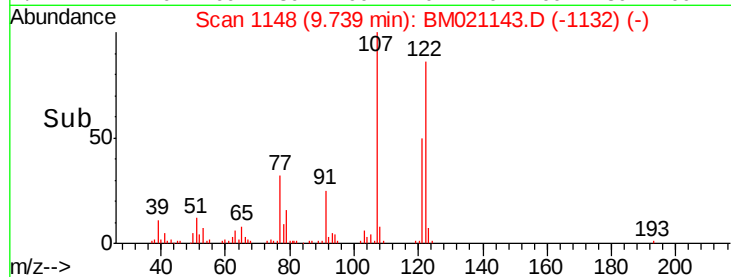
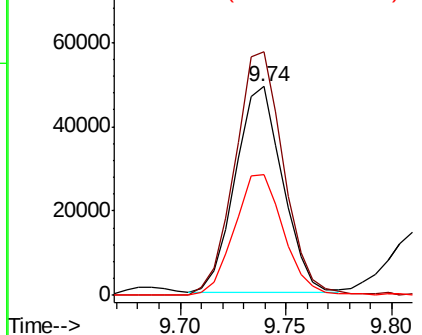


Abundance

Ion 122.00 (121.70 to 122.70): E

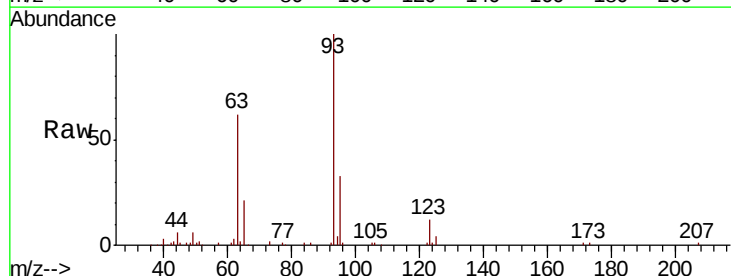
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.634 ng
 RT: 9.98 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.2
123	12.0	9.0	13.4

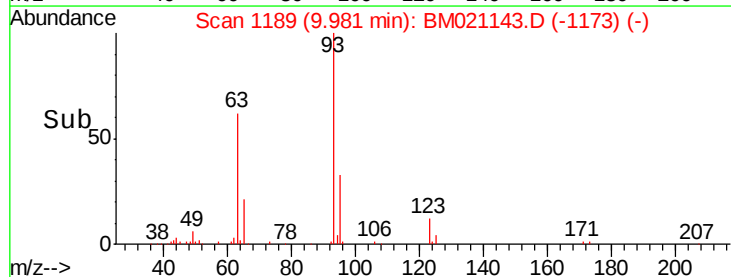
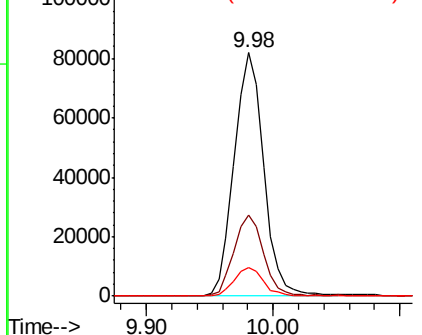


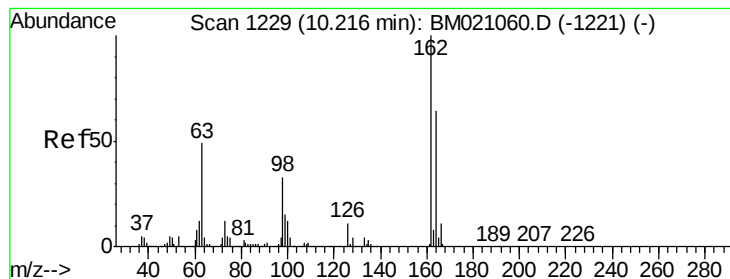
Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 4.468 ng

RT: 10.21 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

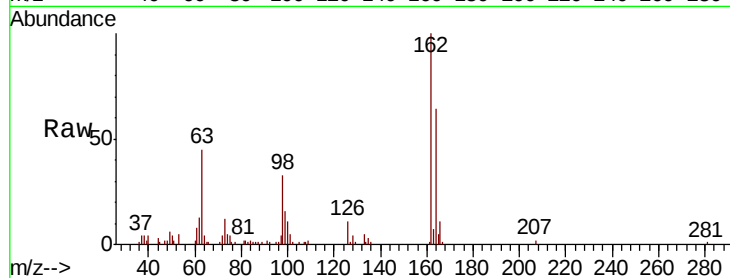
Tgt Ion:162 Resp: 100457

Ion Ratio Lower Upper

162 100

164 64.1 43.7 83.7

98 33.4 13.4 53.4

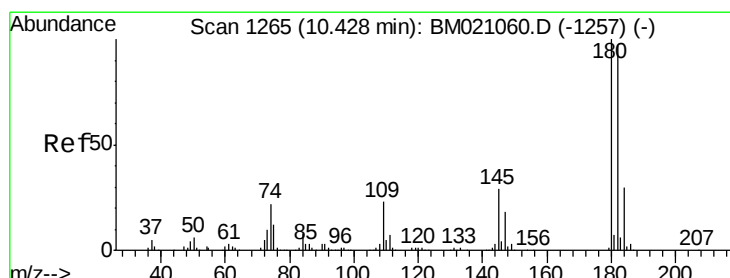
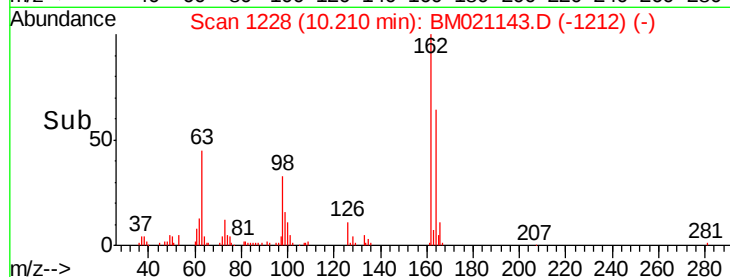
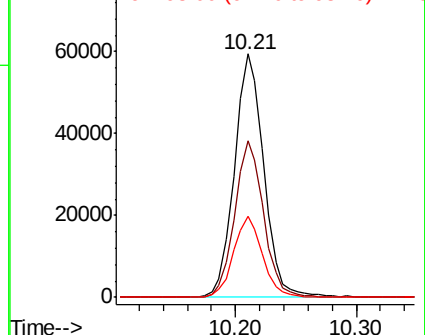


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 4.737 ng

RT: 10.42 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

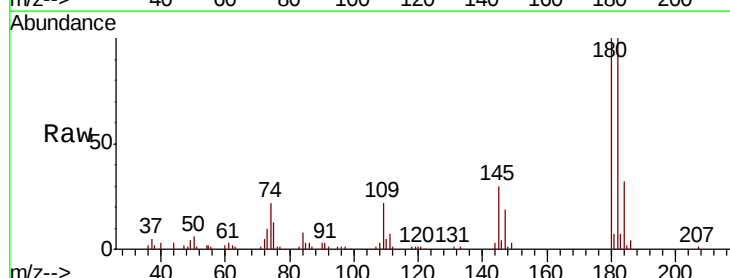
Tgt Ion:180 Resp: 125558

Ion Ratio Lower Upper

180 100

182 99.5 78.0 117.0

145 30.2 23.4 35.0

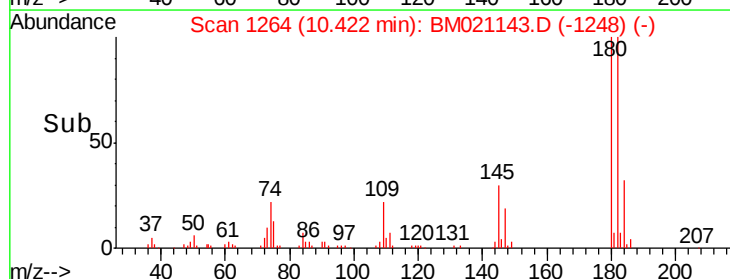
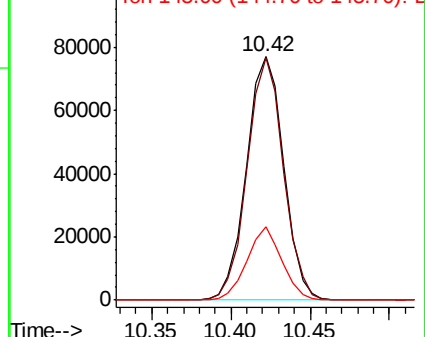


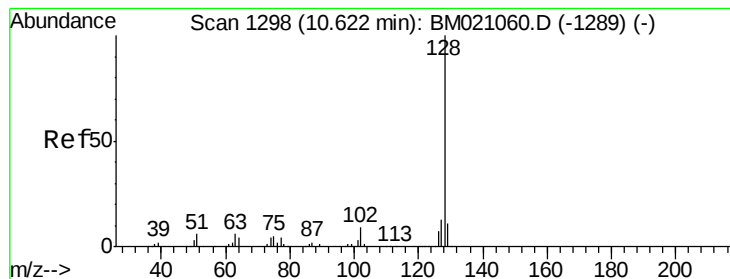
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

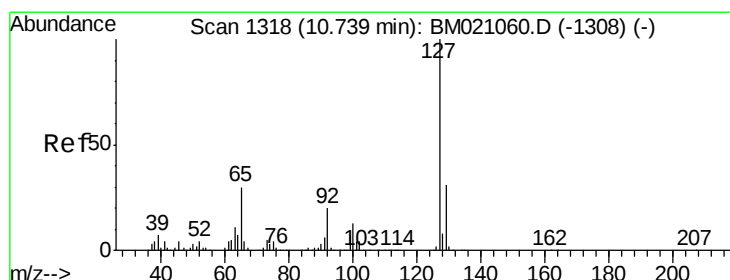
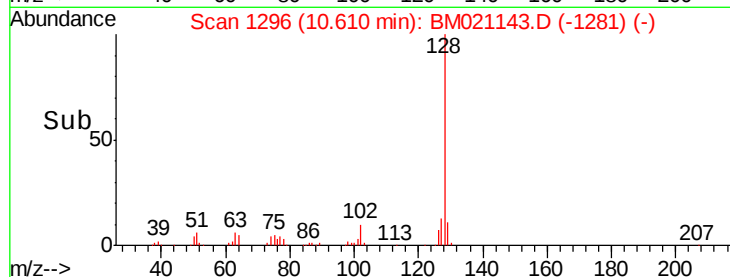
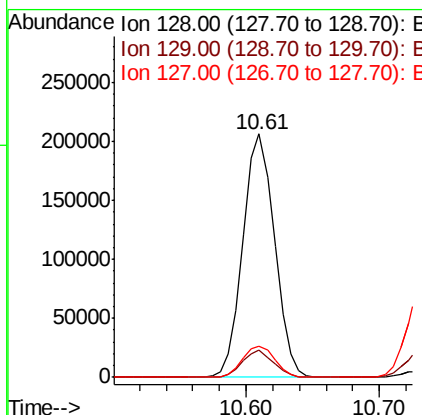
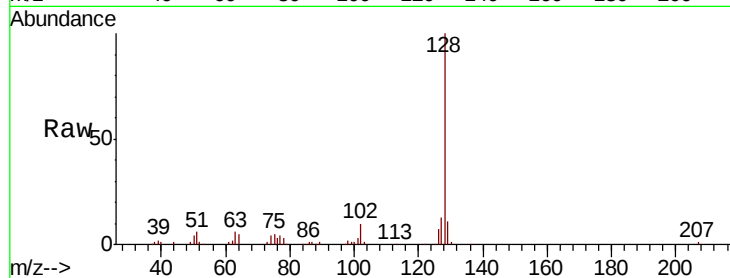




#31
Naphthalene
Concen: 4.994 ng
RT: 10.61 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

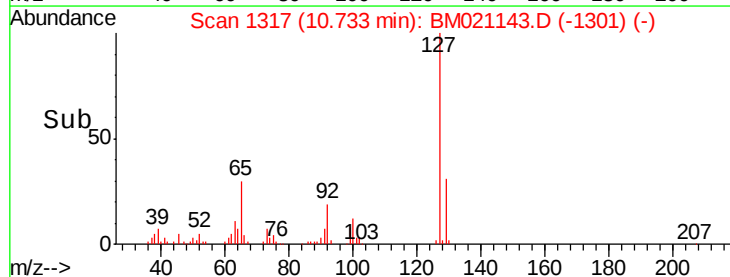
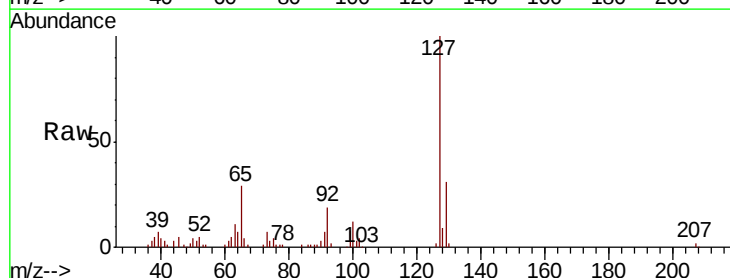
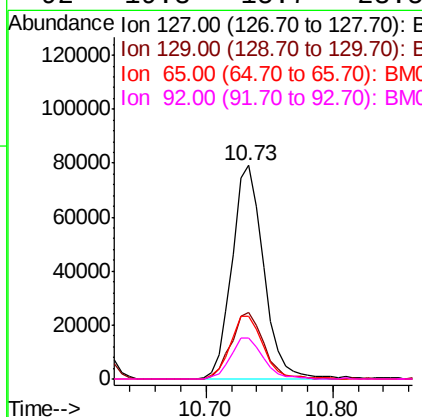
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

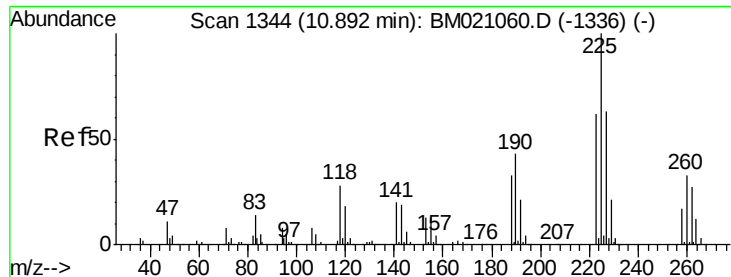
Tgt Ion:128 Resp: 338279
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 12.7 10.8 16.2



#33
4-Chloroaniline
Concen: 4.454 ng
RT: 10.73 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion:127 Resp: 136958
Ion Ratio Lower Upper
127 100
129 31.0 25.1 37.7
65 29.4 23.8 35.8
92 19.3 15.7 23.5





#34

Hexachlorobutadiene

Concen: 4.618 ng

RT: 10.88 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

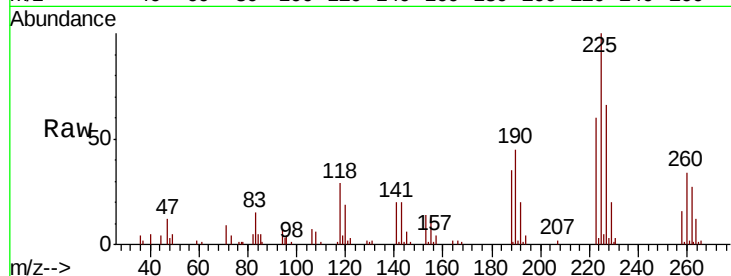
Tgt Ion:225 Resp: 77289

Ion Ratio Lower Upper

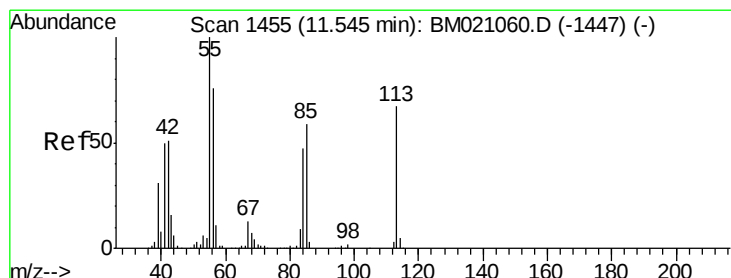
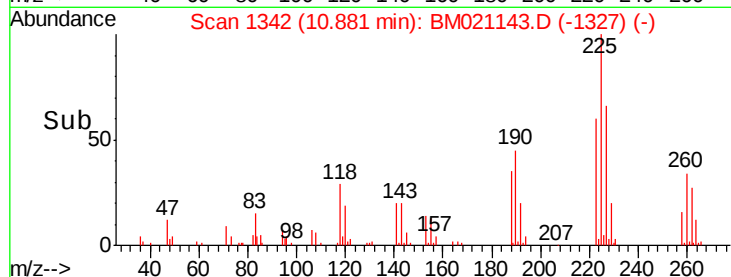
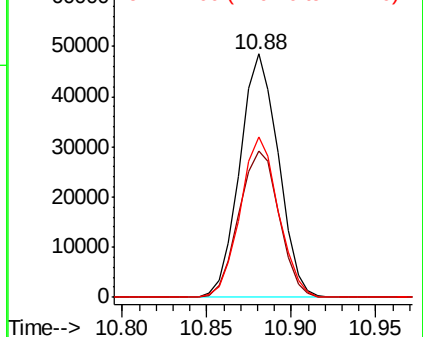
225 100

223 60.3 49.6 74.4

227 65.8 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: 4.111 ng

RT: 11.53 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

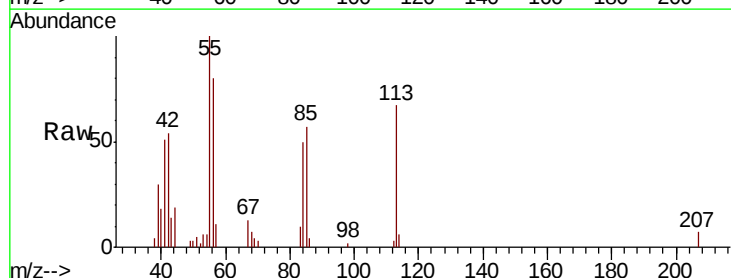
Tgt Ion:113 Resp: 28915

Ion Ratio Lower Upper

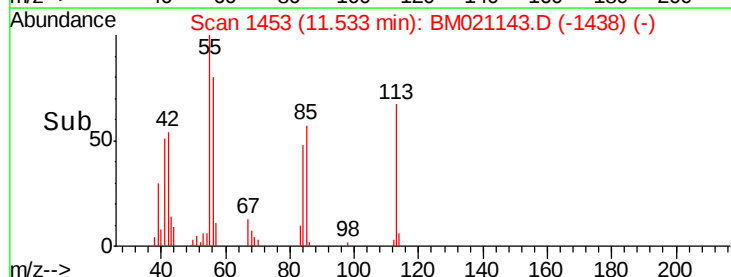
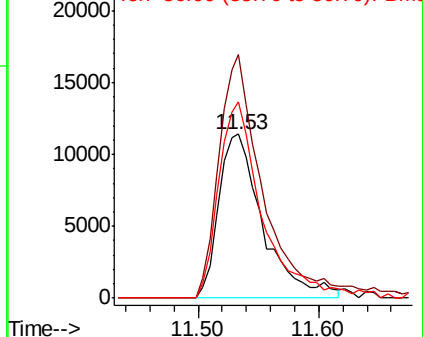
113 100

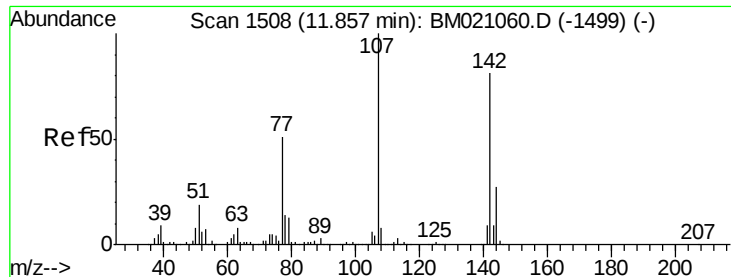
55 148.8 129.8 169.8

56 119.7 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

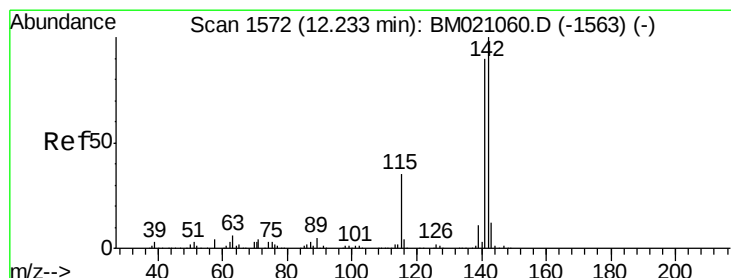
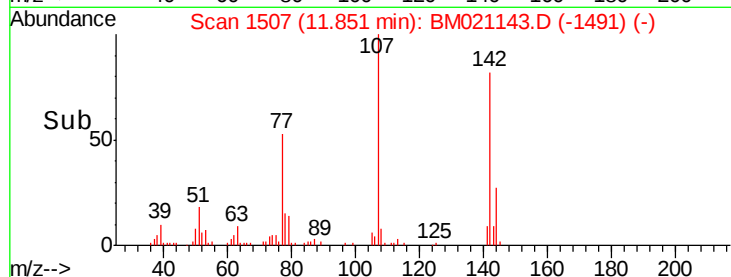
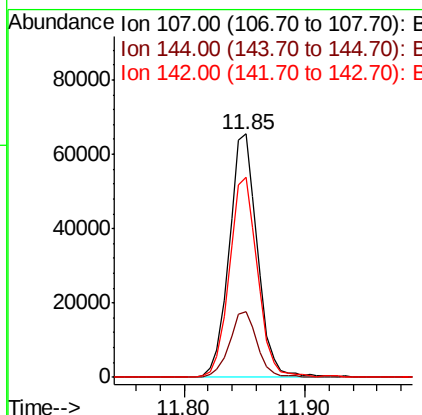
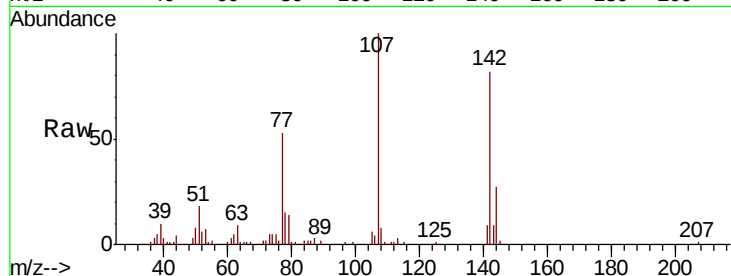




#36
 4-Chloro-3-methylphenol
 Concen: 4.656 ng
 RT: 11.85 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

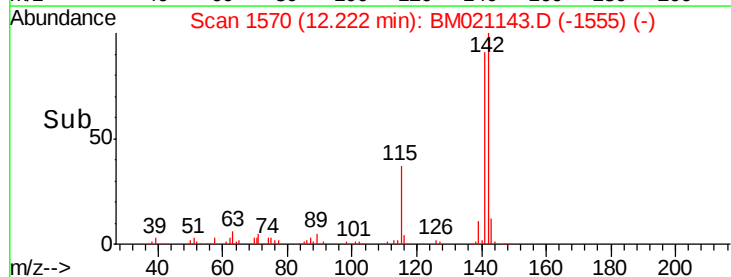
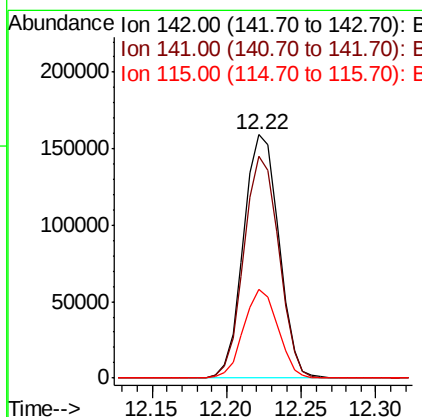
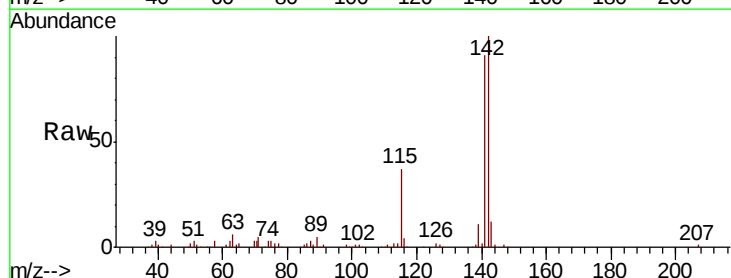
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

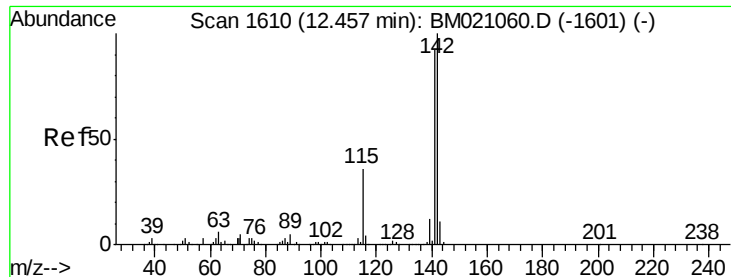
Tgt Ion	Resp	Lower	Upper
107	106524		
144	26.8	21.3	31.9
142	82.1	64.9	97.3



#37
 2-Methylnaphthalene
 Concen: 5.024 ng
 RT: 12.22 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

Tgt Ion	Resp	Lower	Upper
142	261817		
141	91.2	72.2	108.2
115	36.6	27.9	41.9

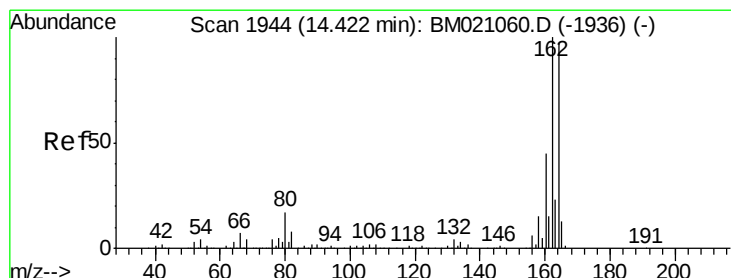
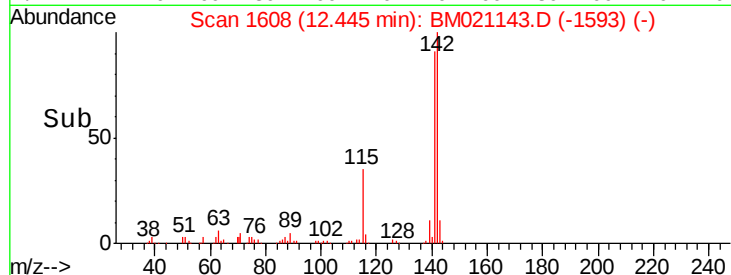
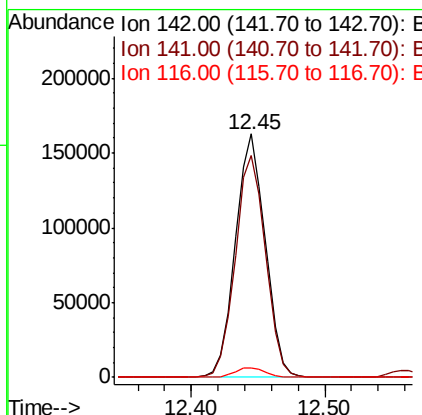
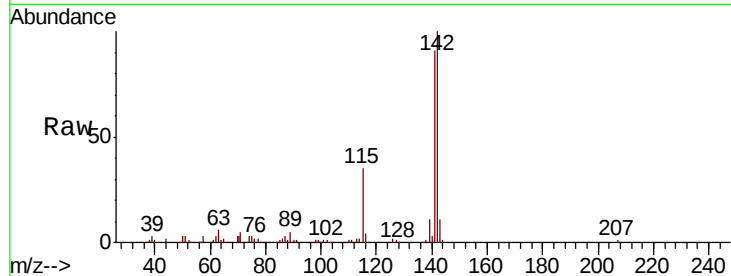




#38
1-Methylnaphthalene
Concen: 5.062 ng
RT: 12.45 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

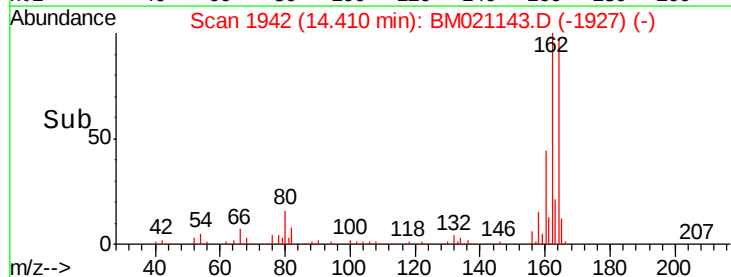
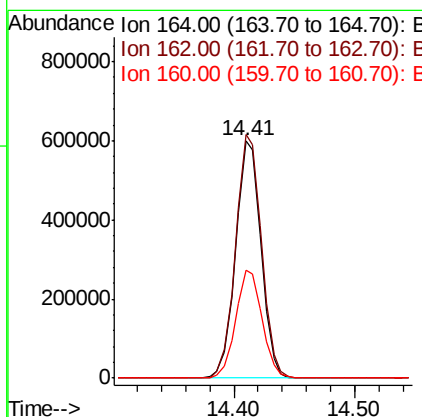
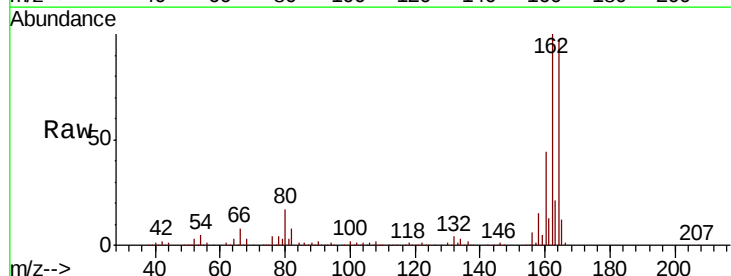
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

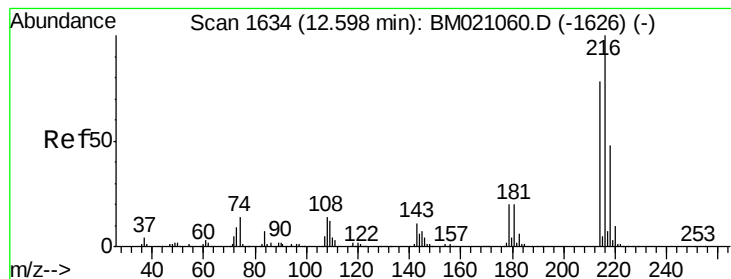
Tgt Ion:142 Resp: 251601
Ion Ratio Lower Upper
142 100
141 91.4 73.9 110.9
116 3.6 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion:164 Resp: 876837
Ion Ratio Lower Upper
164 100
162 102.6 82.1 123.1
160 45.5 37.1 55.7





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.674 ng

RT: 12.59 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:216 Resp: 155126

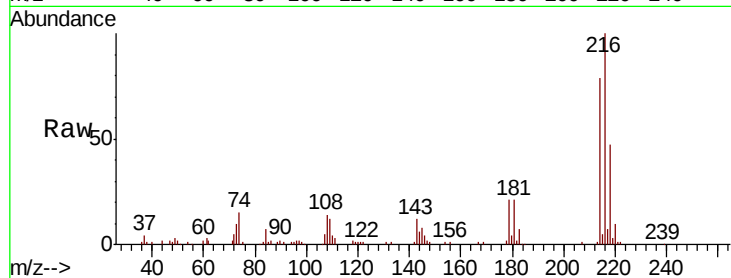
Ion Ratio Lower Upper

216 100

214 78.3 63.0 94.6

179 20.7 16.4 24.6

108 15.3 12.5 18.7

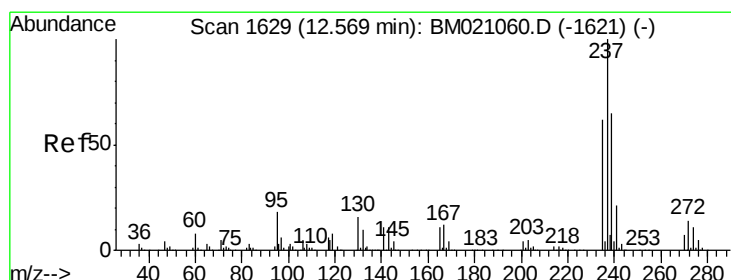
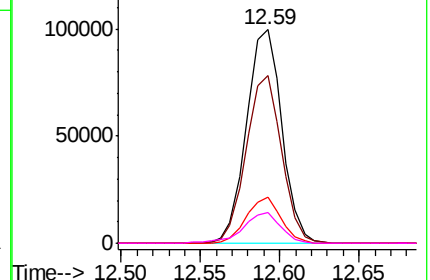
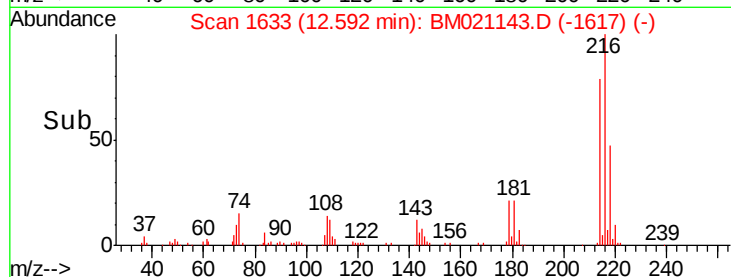


Abundance Ion 216.00 (215.70 to 216.70): E

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: 2.966 ng

RT: 12.56 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

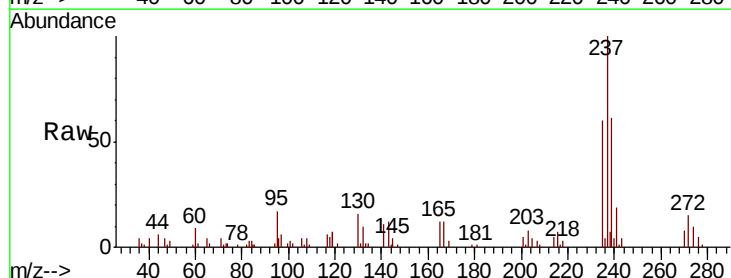
Tgt Ion:237 Resp: 57061

Ion Ratio Lower Upper

237 100

235 59.9 41.7 81.7

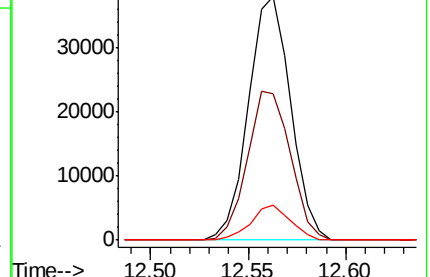
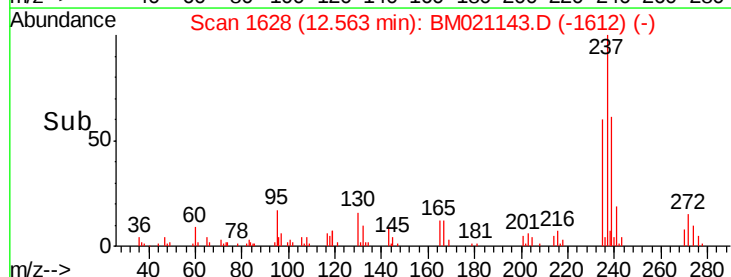
272 14.5 0.0 34.1

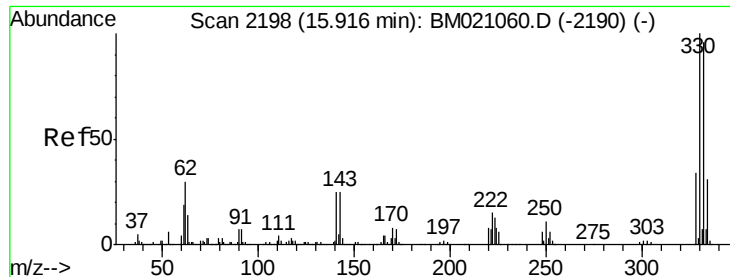


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#42

2,4,6-Tribromophenol

Concen: 155.281 ng

RT: 15.91 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

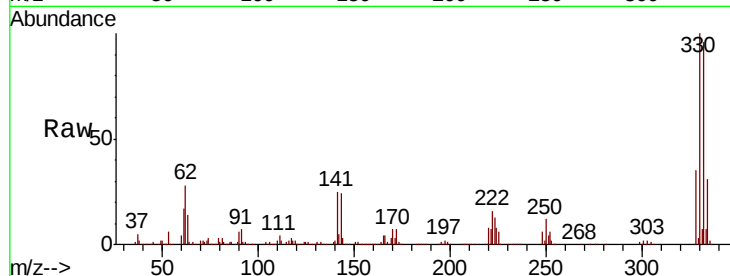
Tgt Ion:330 Resp: 2554901

Ion Ratio Lower Upper

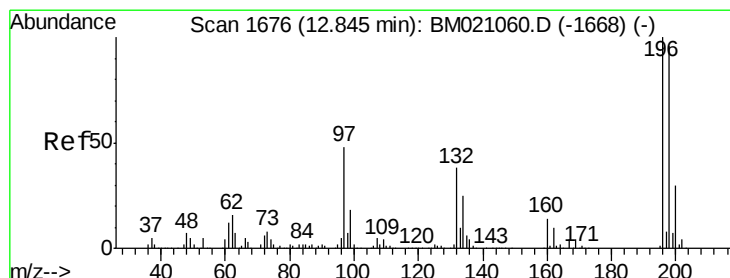
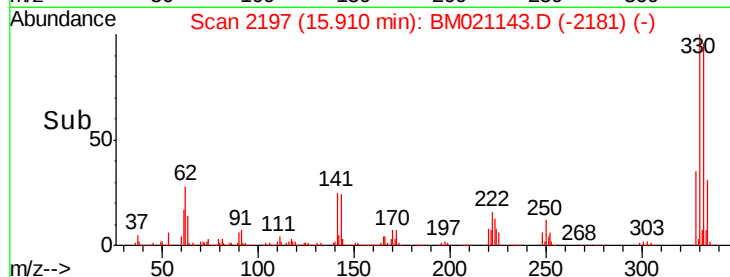
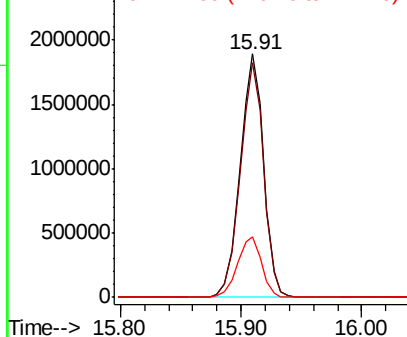
330 100

332 96.4 77.1 115.7

141 25.8 21.8 32.8



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



#43

2,4,6-Trichlorophenol

Concen: 4.148 ng

RT: 12.84 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

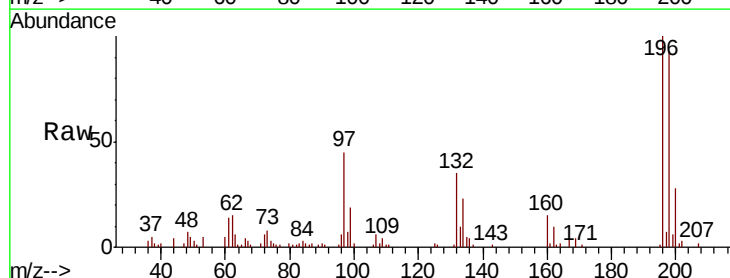
Tgt Ion:196 Resp: 91101

Ion Ratio Lower Upper

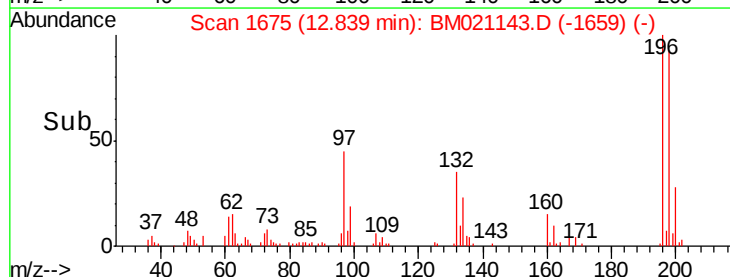
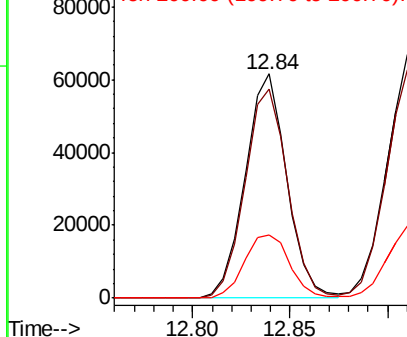
196 100

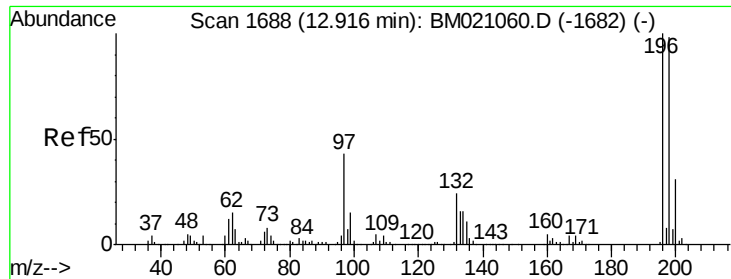
198 93.5 76.7 115.1

200 28.4 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

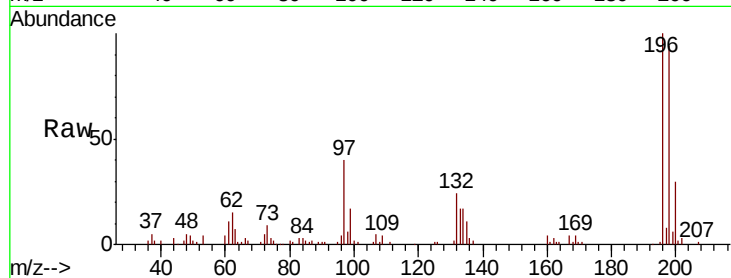




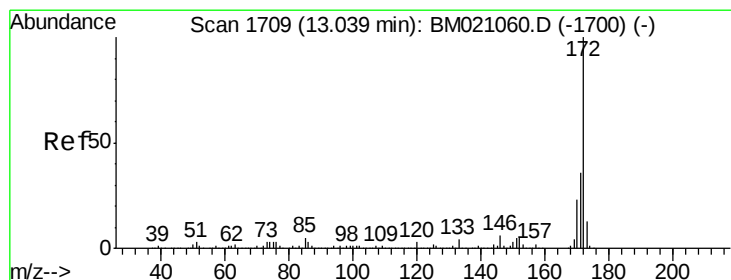
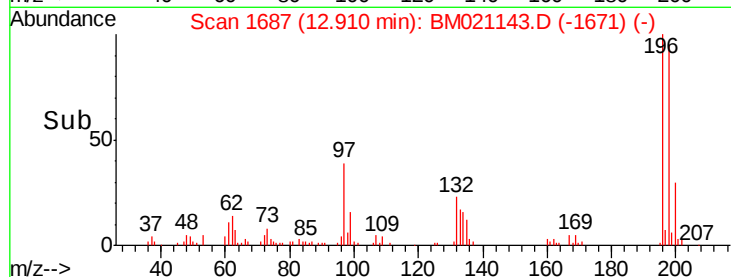
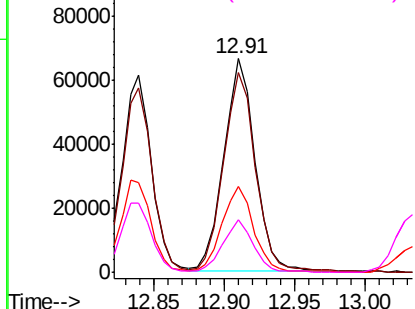
#44
 2,4,5-Trichlorophenol
 Concen: 4.466 ng
 RT: 12.91 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

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

Tgt Ion:196 Resp: 101568
 Ion Ratio Lower Upper
 196 100
 198 93.6 78.2 117.4
 97 40.4 34.1 51.1
 132 24.3 19.2 28.8

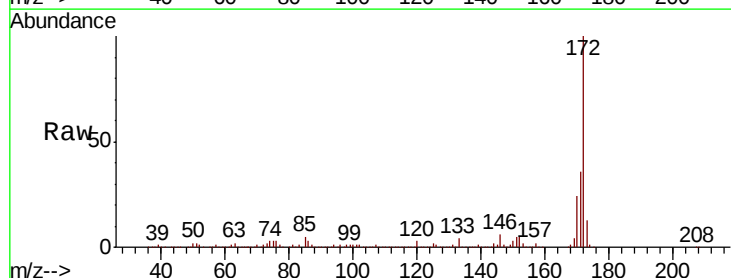


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BM
 Ion 132.00 (131.70 to 132.70): E

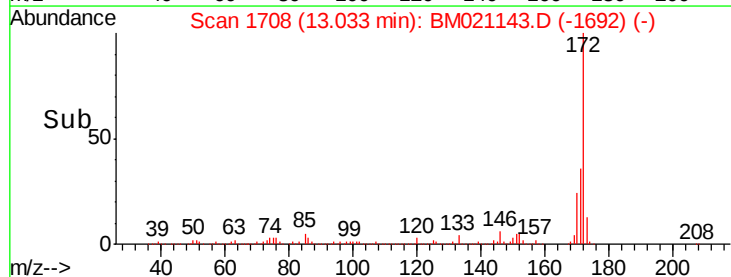
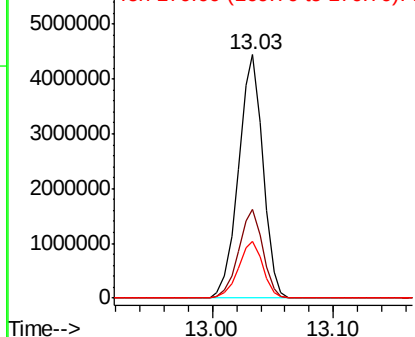


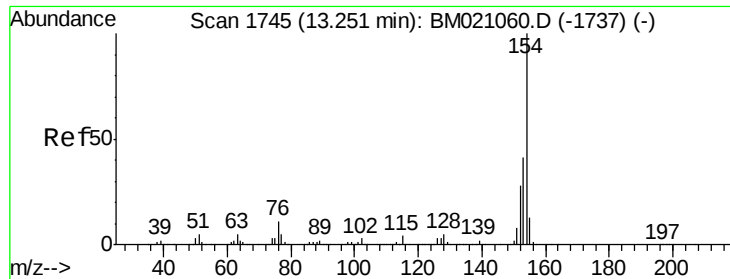
#45
 2-Fluorobiphenyl
 Concen: 87.740 ng
 RT: 13.03 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

Tgt Ion:172 Resp: 6259867
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 23.6 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

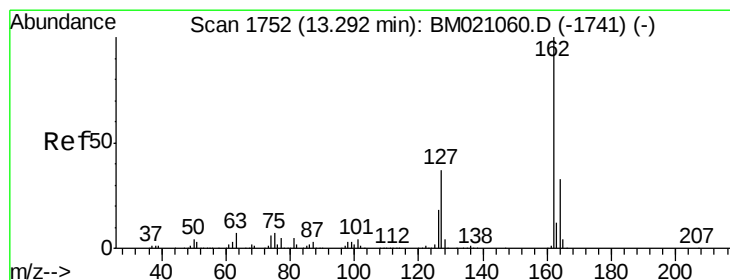
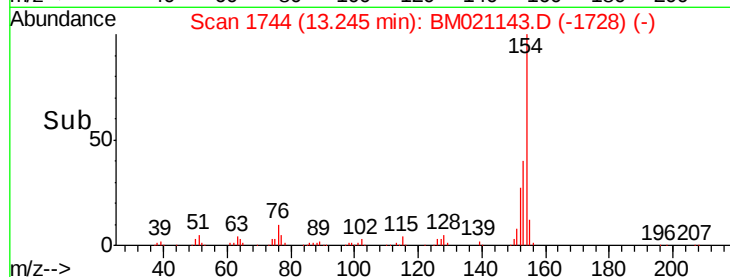
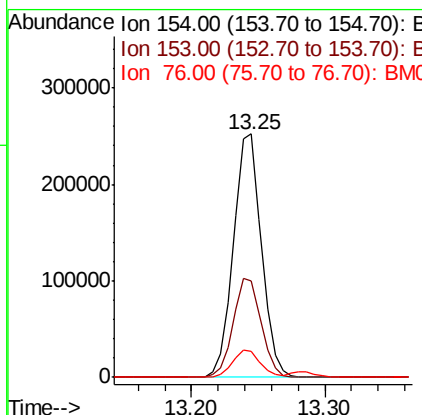
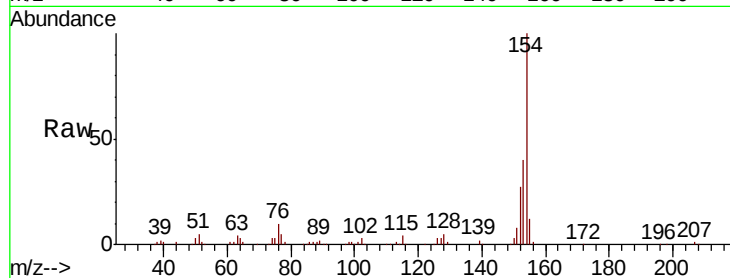




#46
 1,1'-Biphenyl
 Concen: 4.907 ng
 RT: 13.25 min Scan# 1744
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

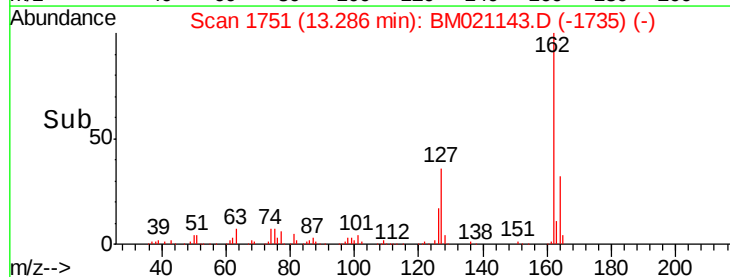
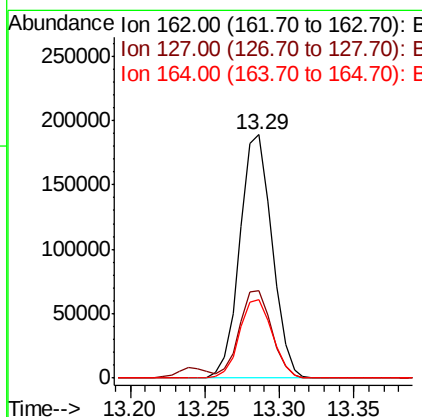
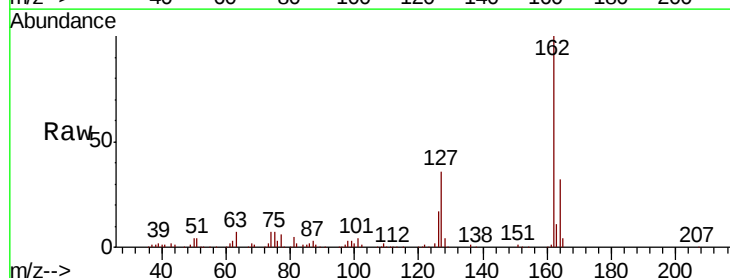
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

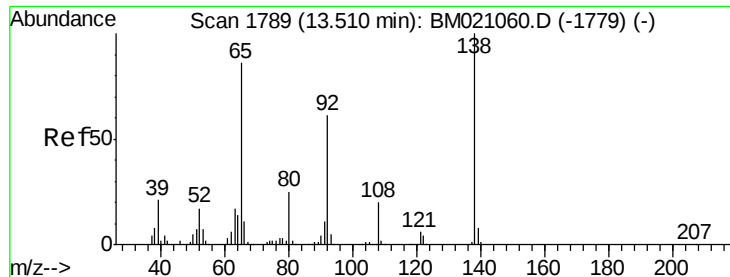
Tgt Ion:	154	Resp:	368243
Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.3	61.3
76	10.4	0.0	30.9



#47
 2-Chloronaphthalene
 Concen: 4.652 ng
 RT: 13.29 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

Tgt Ion:	162	Resp:	283536
Ion	Ratio	Lower	Upper
162	100		
127	36.0	29.4	44.2
164	32.4	26.5	39.7

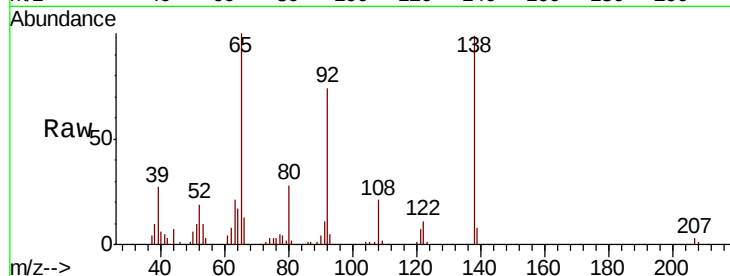




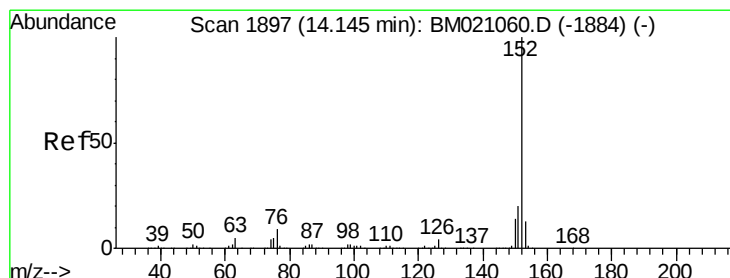
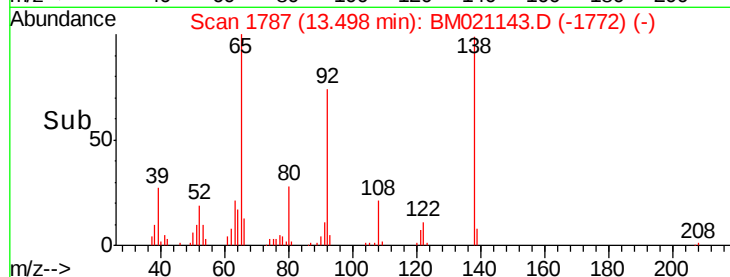
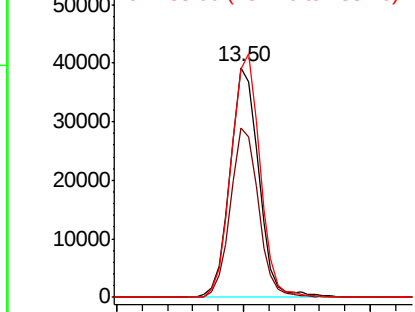
#48
2-Nitroaniline
Concen: 3.677 ng
RT: 13.50 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

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

Tgt Ion: 65 Resp: 61319
Ion Ratio Lower Upper
65 100
92 73.9 56.3 84.5
138 99.4 92.6 139.0

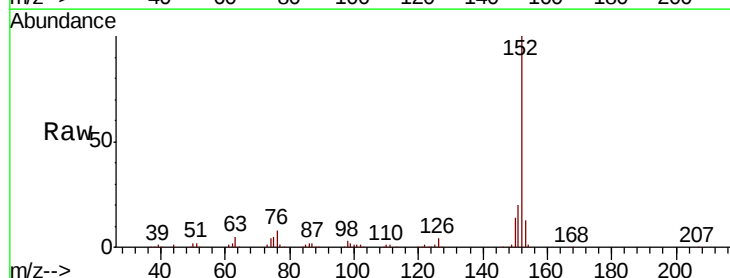


Abundance Ion 65.00 (64.70 to 65.70): BM021060.D (-1779) (-)
Ion 92.00 (91.70 to 92.70): BM021060.D (-1779) (-)
Ion 138.00 (137.70 to 138.70): BM021060.D (-1779) (-)

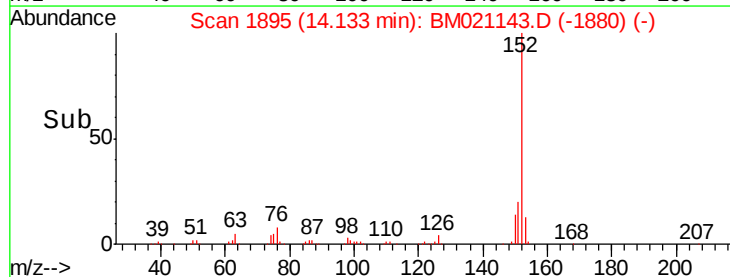
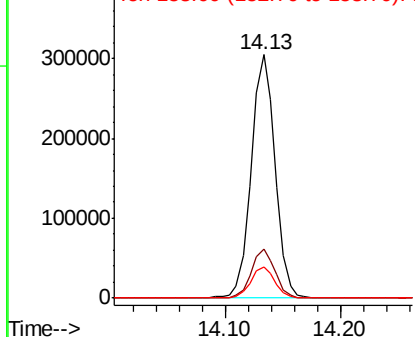


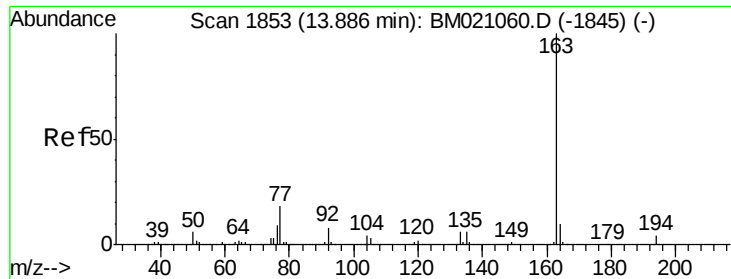
#49
Acenaphthylene
Concen: 4.747 ng
RT: 14.13 min Scan# 1895
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion: 152 Resp: 440291
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.0 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): BM021060.D (-1884) (-)
Ion 151.00 (150.70 to 151.70): BM021060.D (-1884) (-)
Ion 153.00 (152.70 to 153.70): BM021060.D (-1884) (-)





#50

Dimethylphthalate

Concen: 4.651 ng

RT: 13.87 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

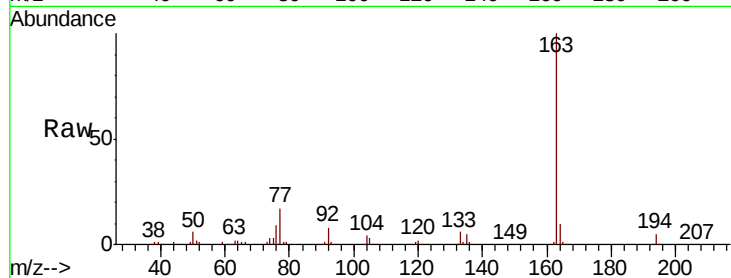
Tgt Ion:163 Resp: 362616

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

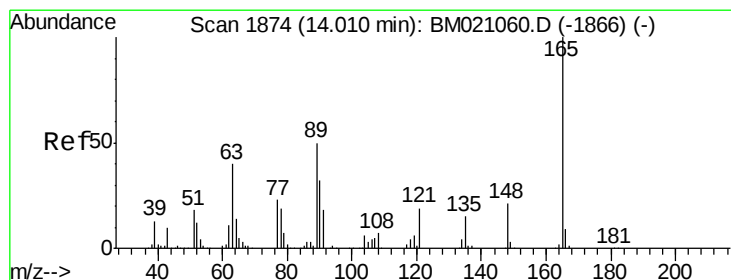
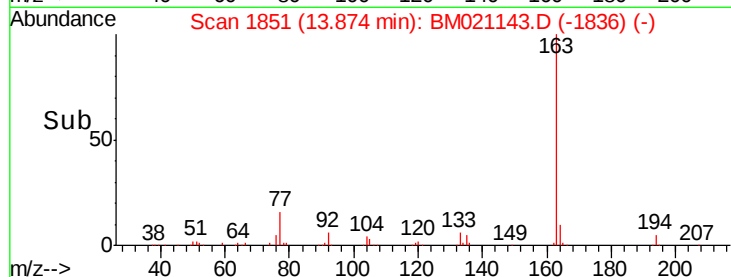
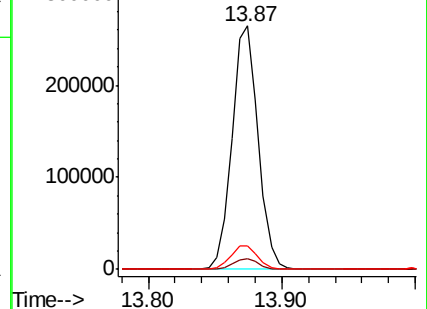
164 9.9 8.2 12.2



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: 4.366 ng

RT: 14.00 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

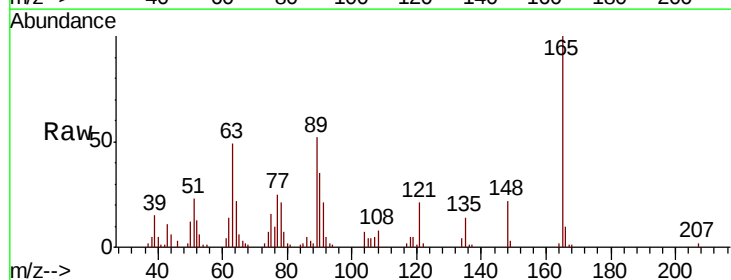
Tgt Ion:165 Resp: 73228

Ion Ratio Lower Upper

165 100

63 49.1 37.8 56.6

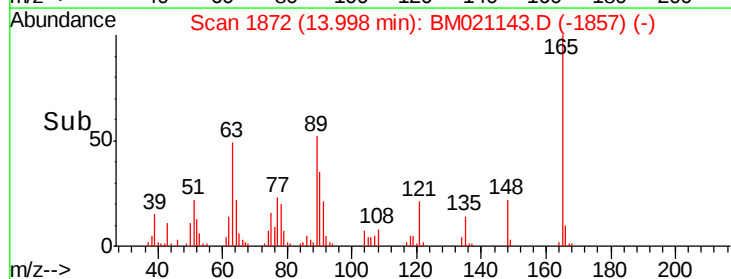
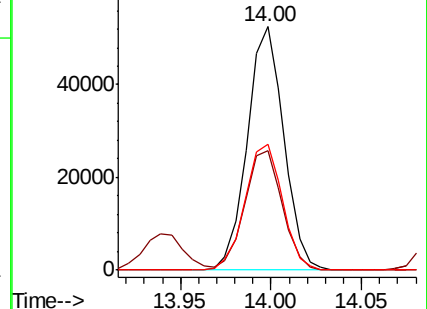
89 51.8 39.7 59.5

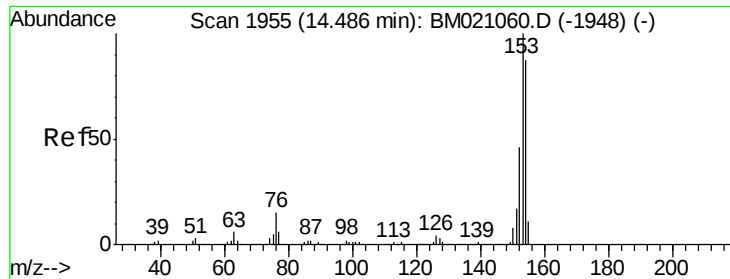


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM





#52

Acenaphthene

Concen: 4.696 ng

RT: 14.47 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

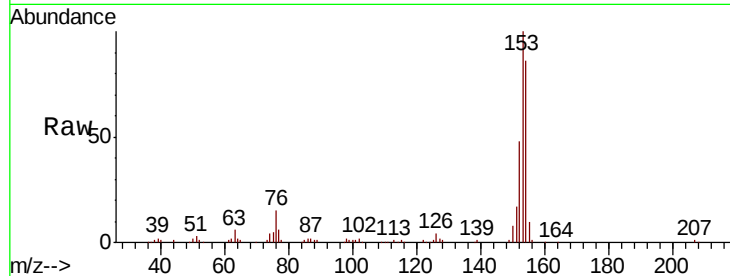
Tgt Ion:154 Resp: 262798

Ion Ratio Lower Upper

154 100

153 116.0 91.5 137.3

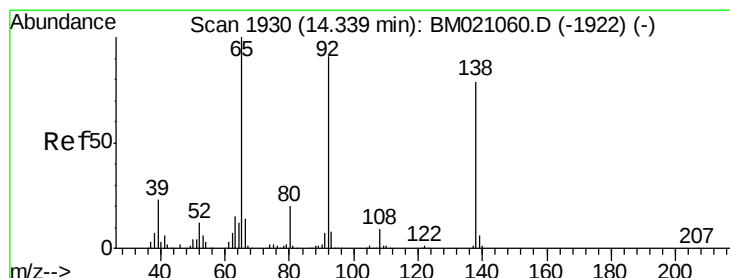
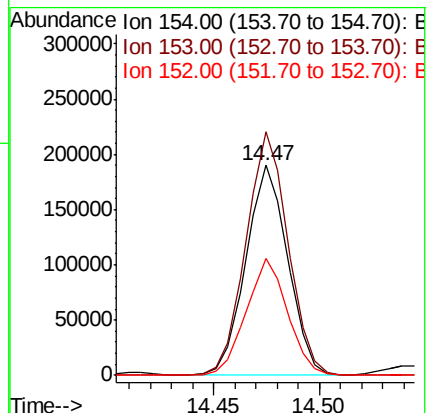
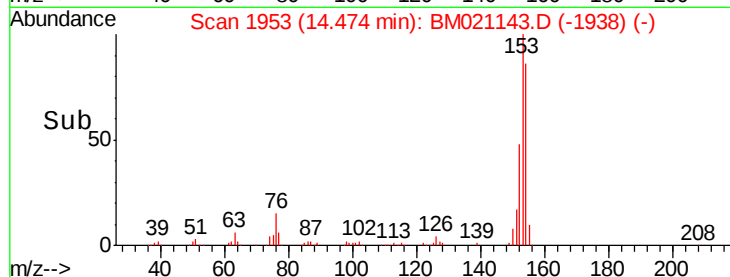
152 55.6 42.3 63.5



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: 3.841 ng

RT: 14.33 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

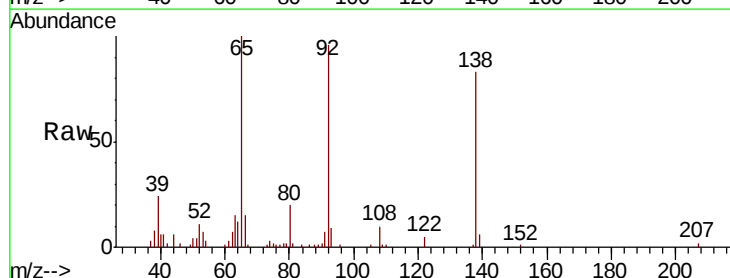
Tgt Ion:138 Resp: 65675

Ion Ratio Lower Upper

138 100

108 11.8 9.0 13.4

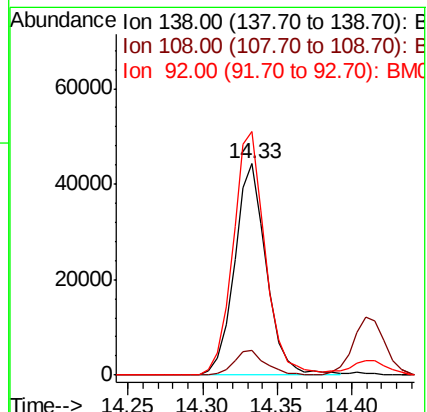
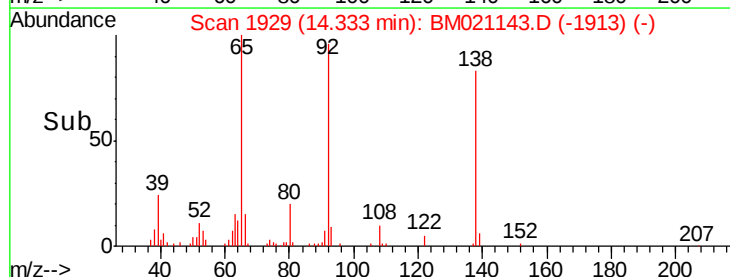
92 115.1 92.2 138.2

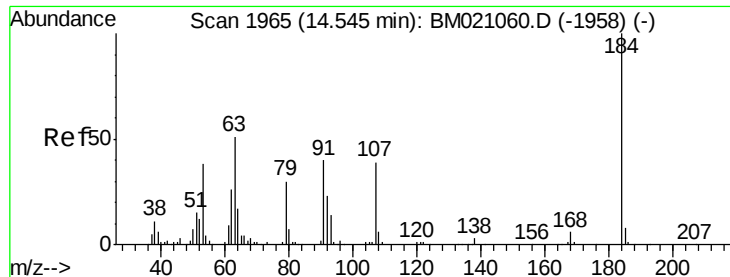


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

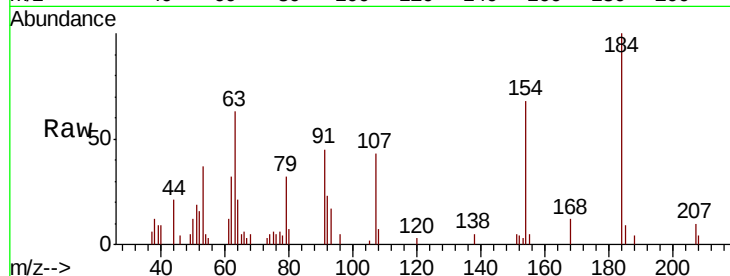




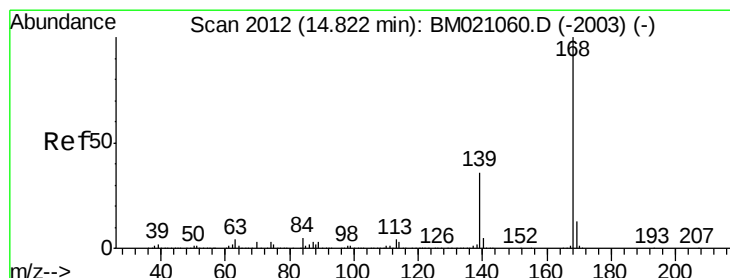
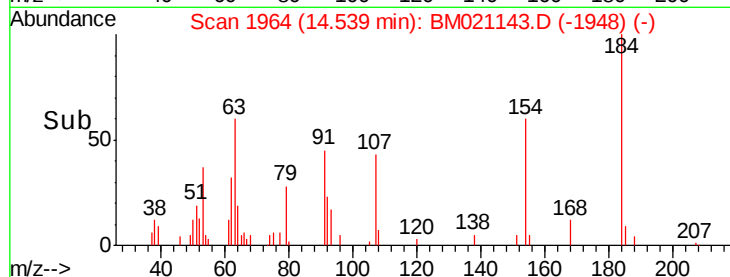
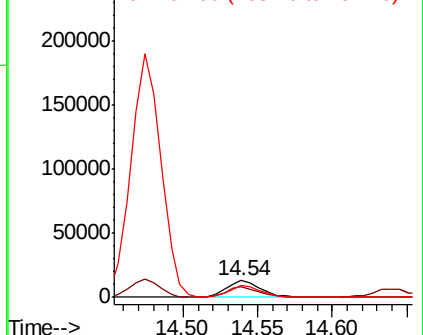
#54
2,4-Dinitrophenol
Concen: 2.354 ng
RT: 14.54 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

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

Tgt Ion:184 Resp: 21206
Ion Ratio Lower Upper
184 100
63 63.0 45.5 68.3
154 67.8 50.6 76.0

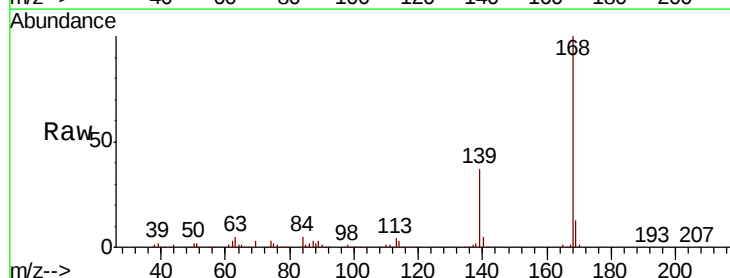


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 154.00 (153.70 to 154.70): E

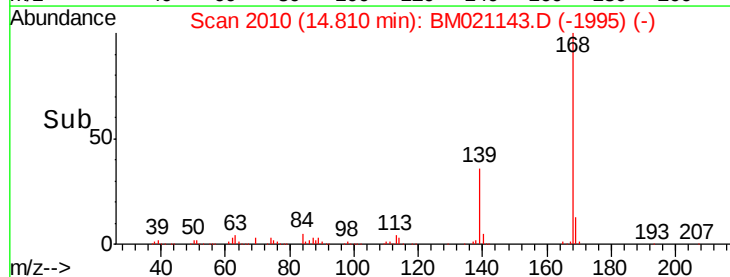
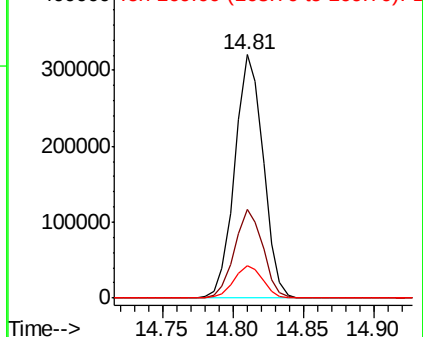


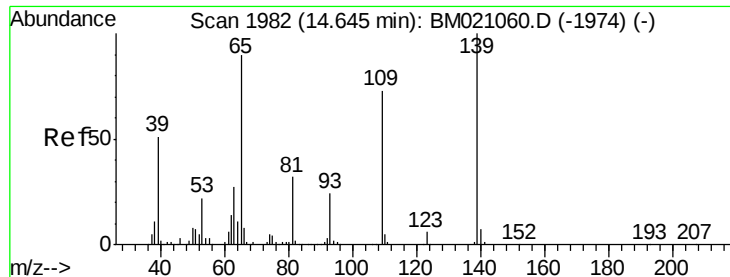
#55
Dibenzofuran
Concen: 4.939 ng
RT: 14.81 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion:168 Resp: 450928
Ion Ratio Lower Upper
168 100
139 36.5 28.4 42.6
169 13.4 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

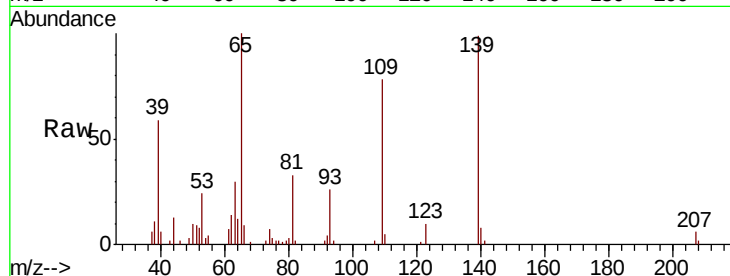




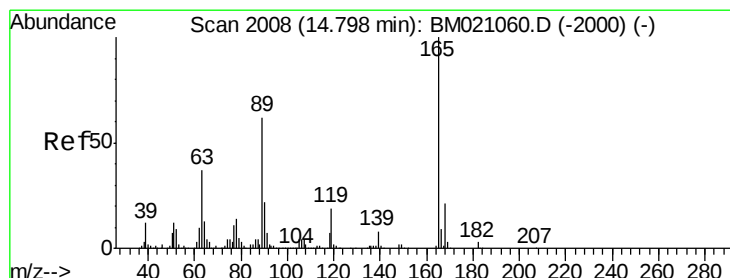
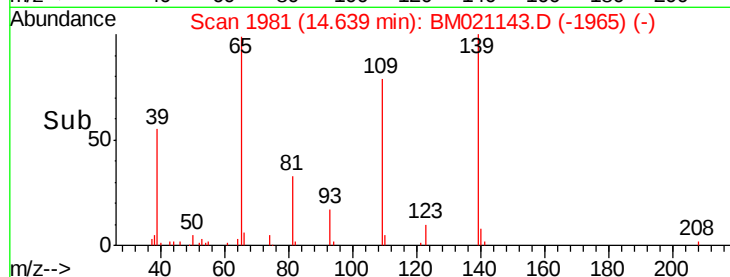
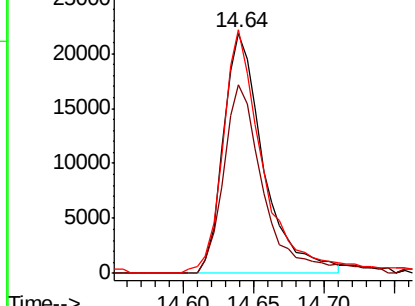
#56
4-Nitrophenol
Concen: 3.313 ng
RT: 14.64 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

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

Tgt Ion:139 Resp: 43317
Ion Ratio Lower Upper
139 100
109 78.7 53.3 93.3
65 101.5 70.3 110.3



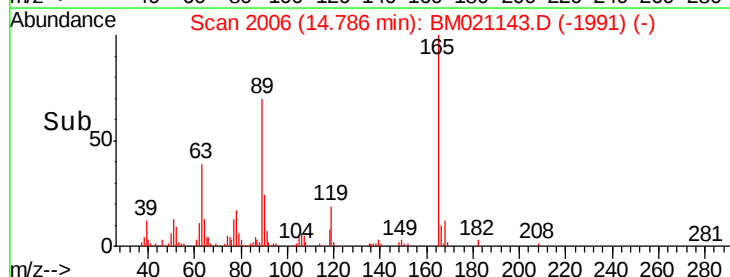
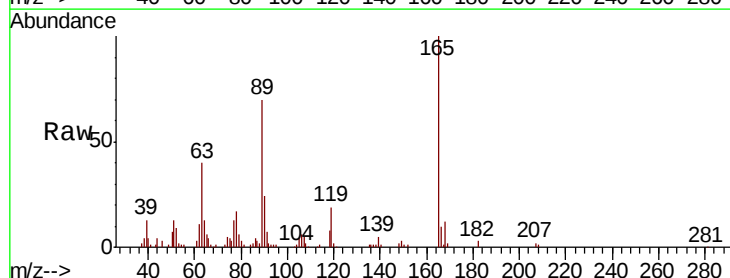
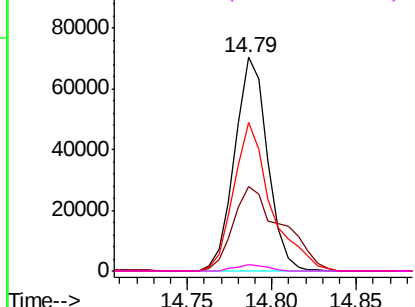
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM

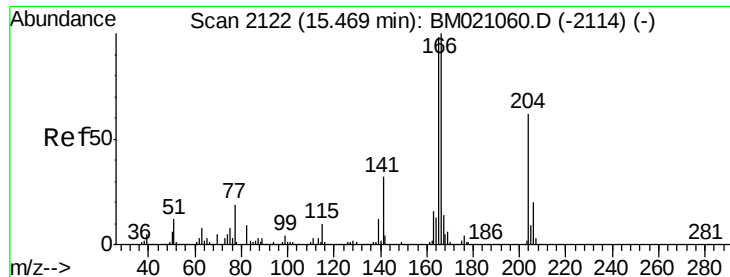


#57
2,4-Dinitrotoluene
Concen: 4.113 ng
RT: 14.79 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion:165 Resp: 95251
Ion Ratio Lower Upper
165 100
63 39.8 29.6 44.4
89 69.6 49.5 74.3
182 3.1 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

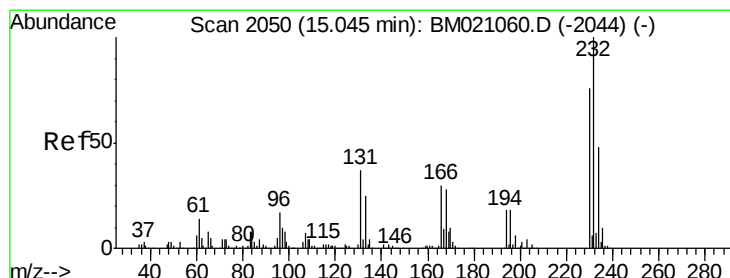
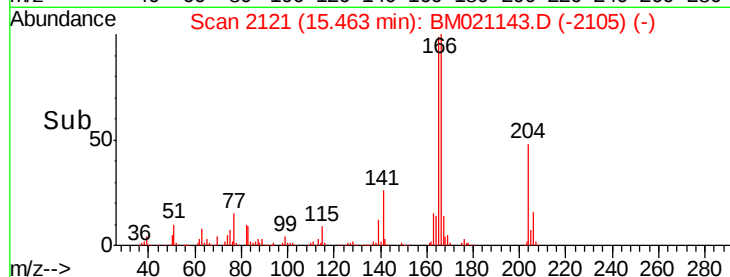
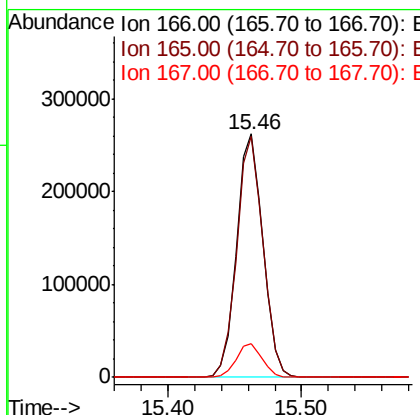
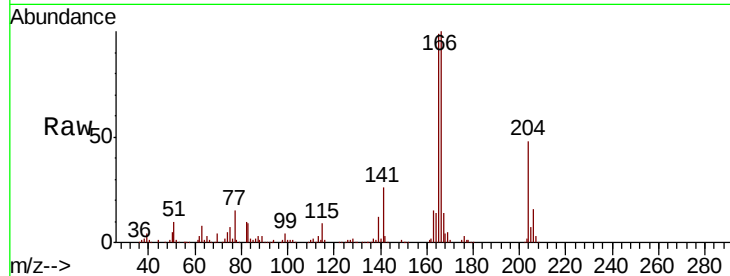




#58
Fluorene
Concen: 4.802 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

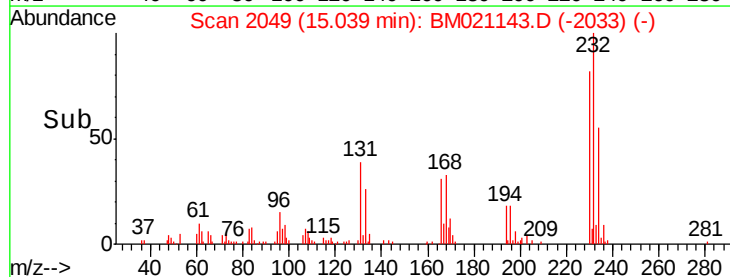
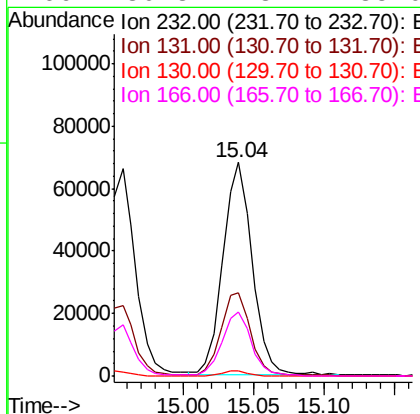
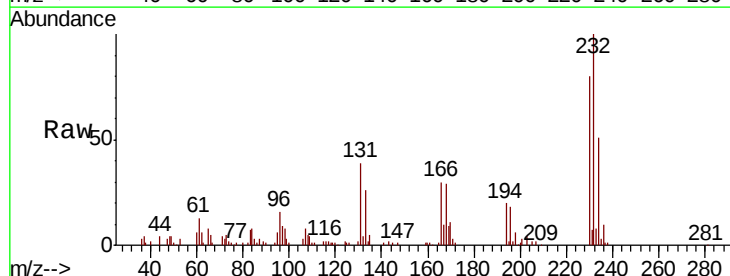
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

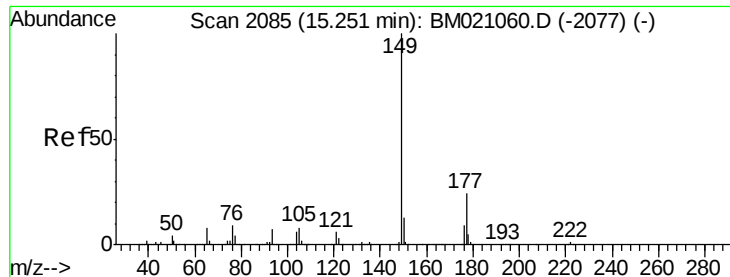
Tgt Ion:166 Resp: 358182
Ion Ratio Lower Upper
166 100
165 99.1 78.6 117.8
167 13.9 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.512 ng
RT: 15.04 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion:232 Resp: 98051
Ion Ratio Lower Upper
232 100
131 40.5 30.6 46.0
130 2.1 1.7 2.5
166 30.3 23.4 35.0

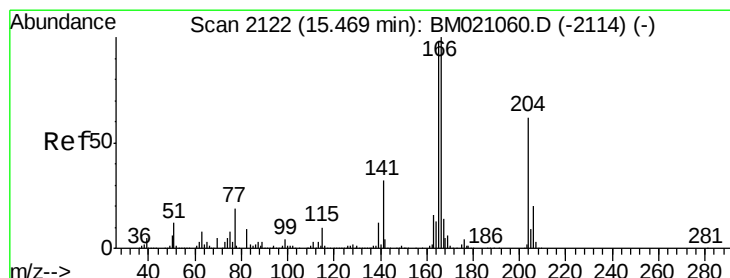
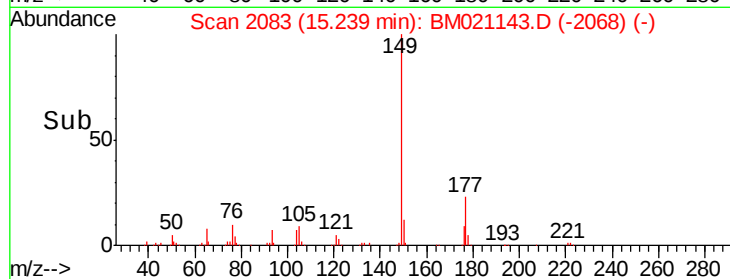
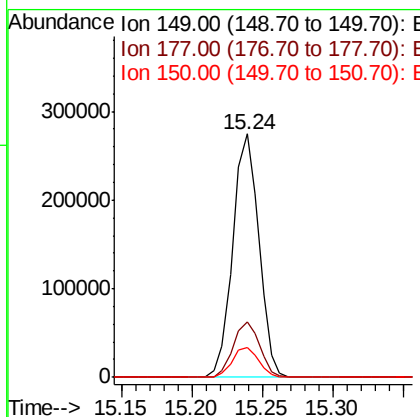
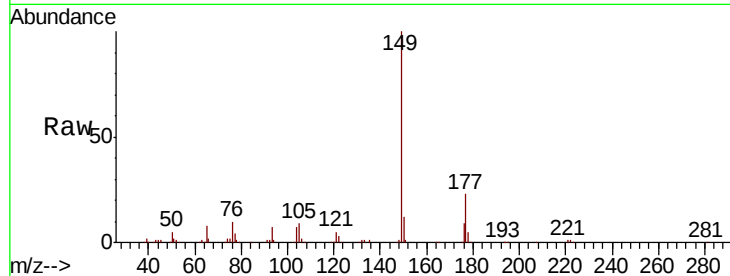




#60
Diethylphthalate
Concen: 4.607 ng
RT: 15.24 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

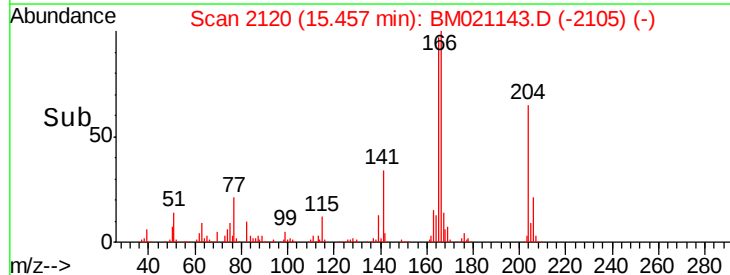
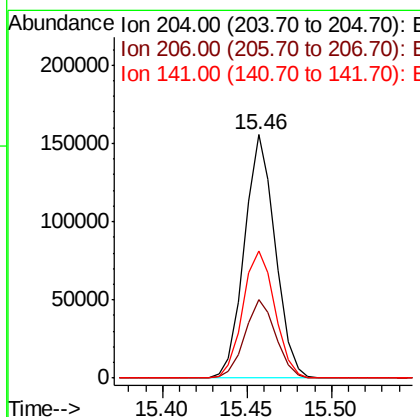
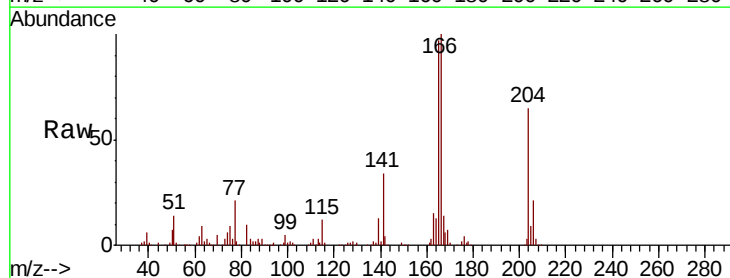
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

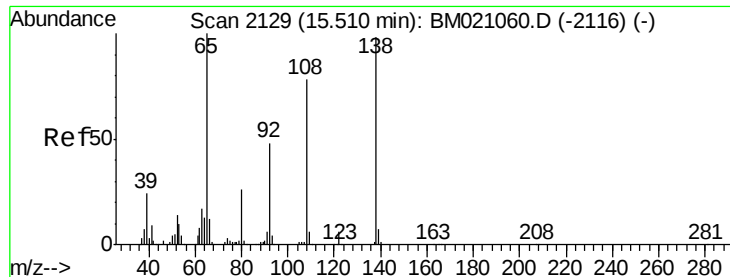
Tgt Ion:149 Resp: 353724
Ion Ratio Lower Upper
149 100
177 22.6 19.1 28.7
150 12.0 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 4.697 ng
RT: 15.46 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion:204 Resp: 197949
Ion Ratio Lower Upper
204 100
206 32.5 26.1 39.1
141 52.0 40.7 61.1

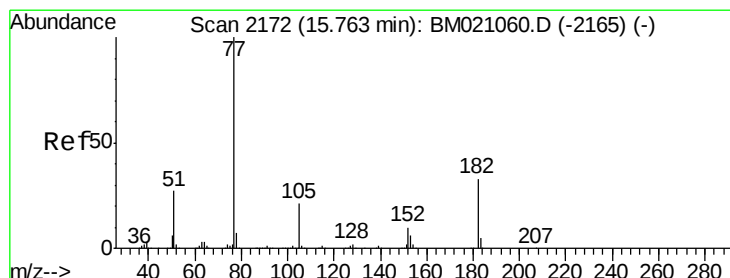
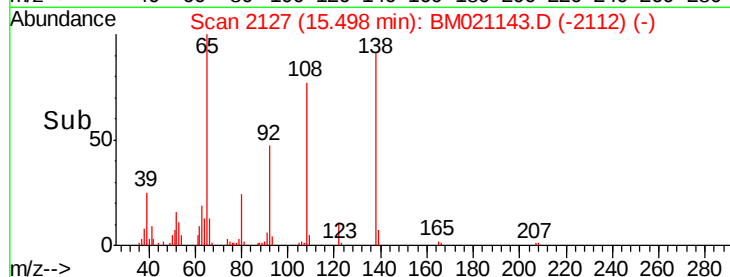
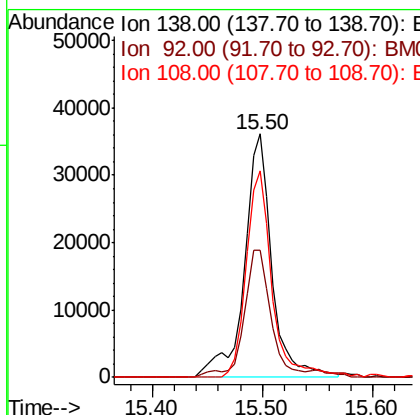
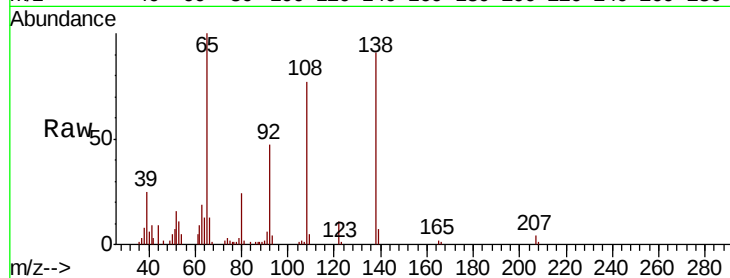




#62
4-Nitroaniline
Concen: 3.515 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

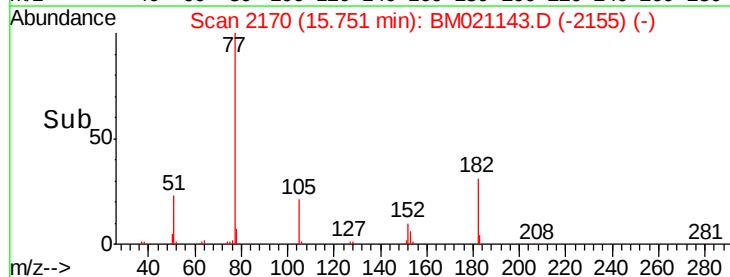
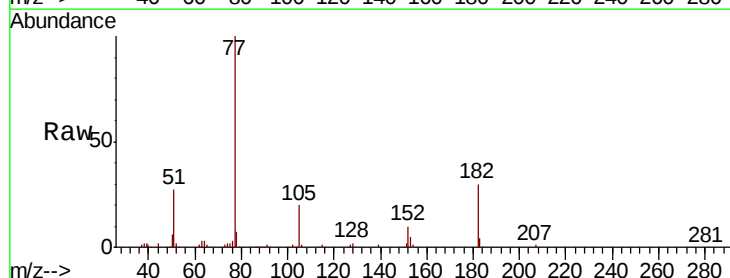
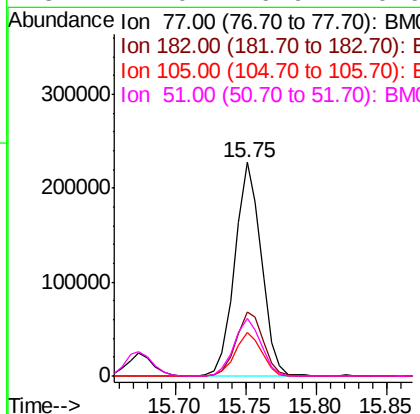
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

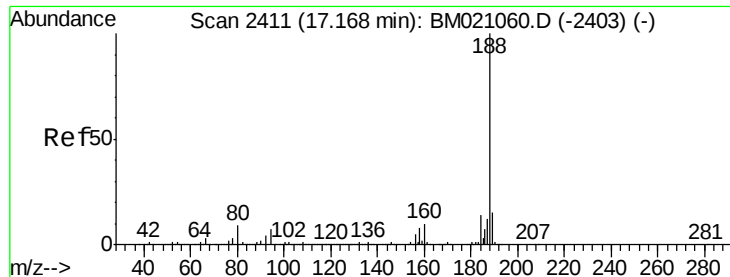
Tgt Ion: 138 Resp: 63074
Ion Ratio Lower Upper
138 100
92 52.1 29.1 69.1
108 84.7 59.2 99.2



#63
Azobenzene
Concen: 4.687 ng
RT: 15.75 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion: 77 Resp: 295188
Ion Ratio Lower Upper
77 100
182 29.9 12.6 52.6
105 20.2 1.1 41.1
51 27.0 6.9 46.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.16 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

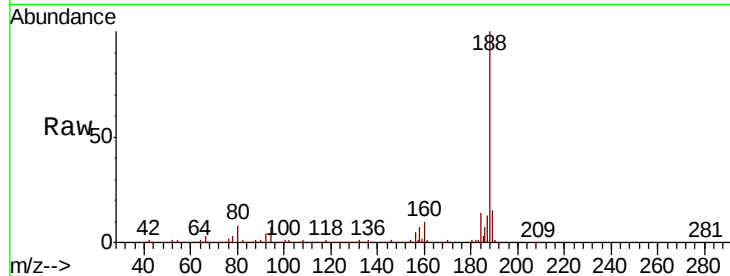
Tgt Ion:188 Resp: 2166802

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.8

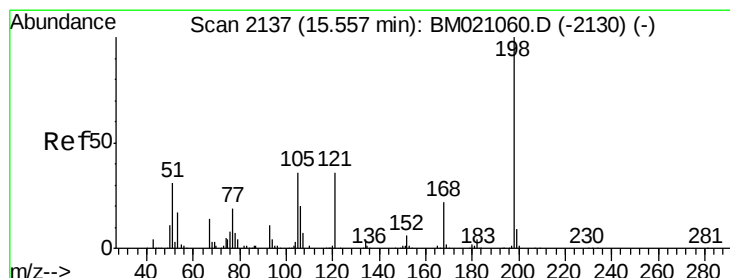
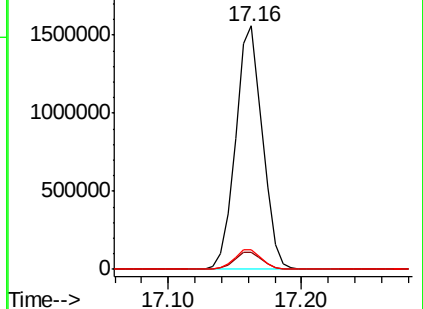
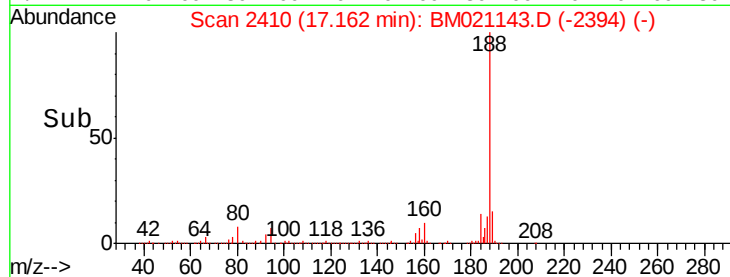
80 8.0 6.9 10.3



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: 3.075 ng

RT: 15.55 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

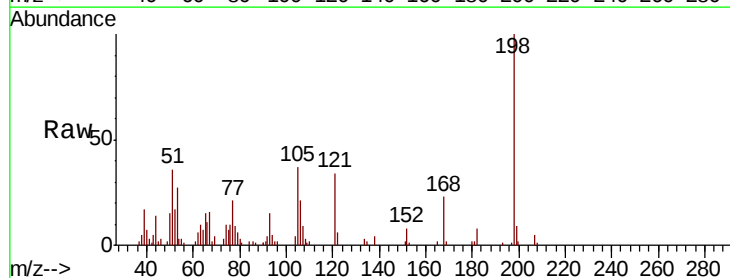
Tgt Ion:198 Resp: 41088

Ion Ratio Lower Upper

198 100

51 36.1 15.3 55.3

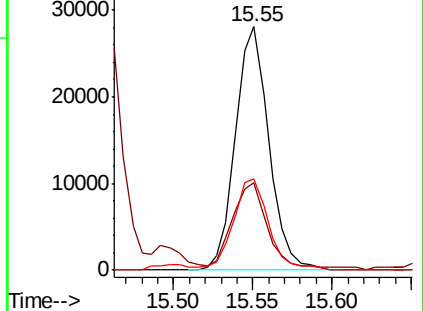
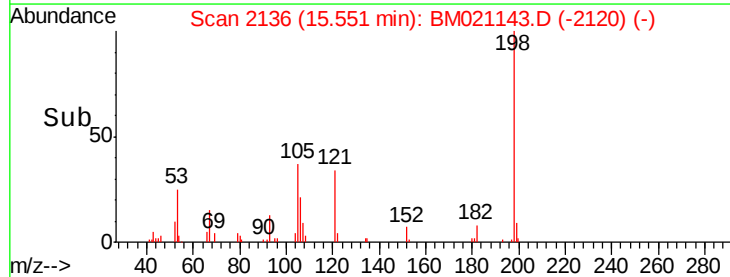
105 37.3 16.8 56.8

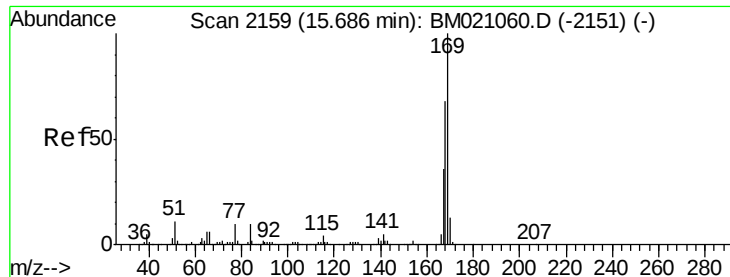


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E

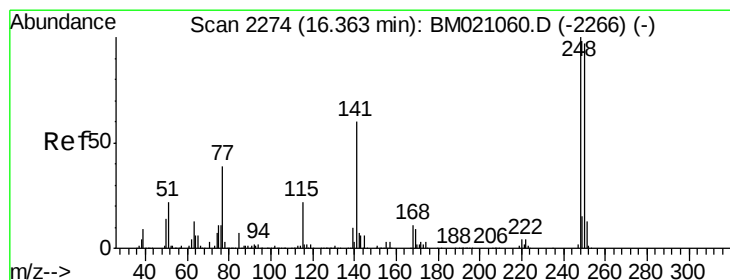
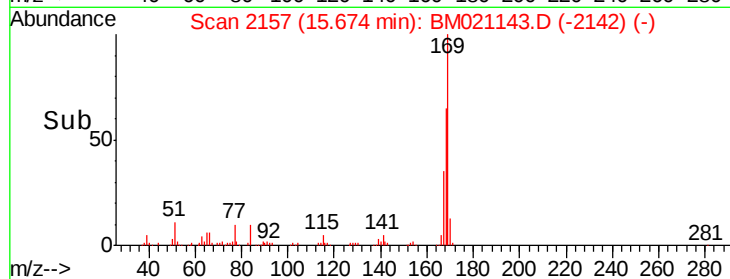
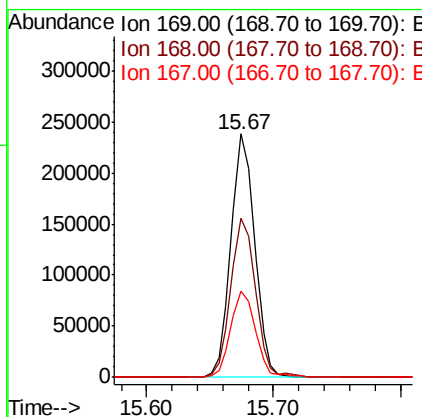
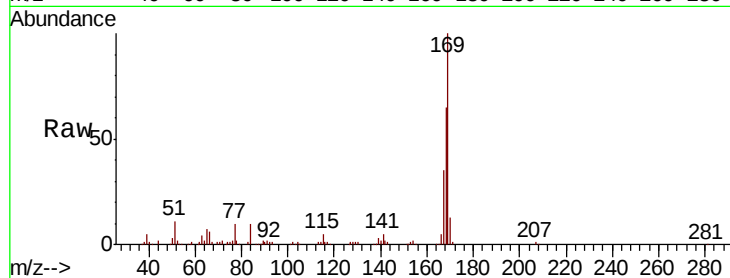




#66
n-Nitrosodiphenylamine
Concen: 4.531 ng
RT: 15.67 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

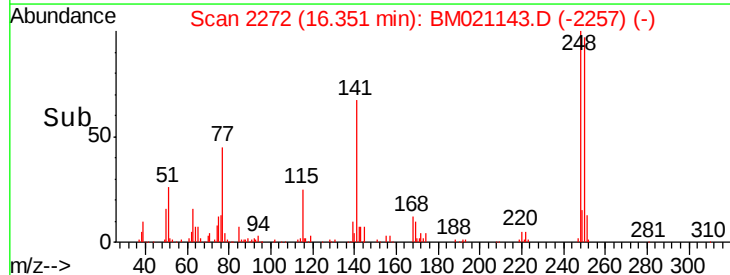
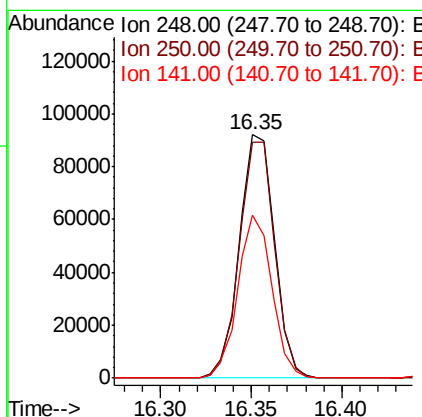
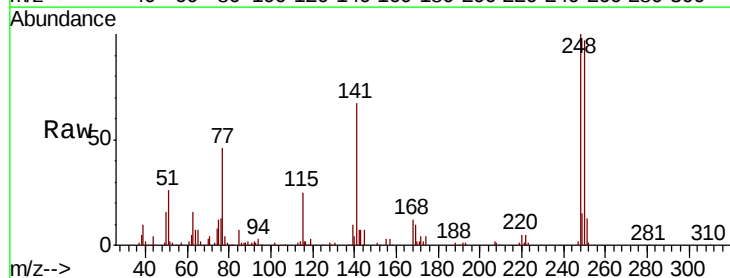
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

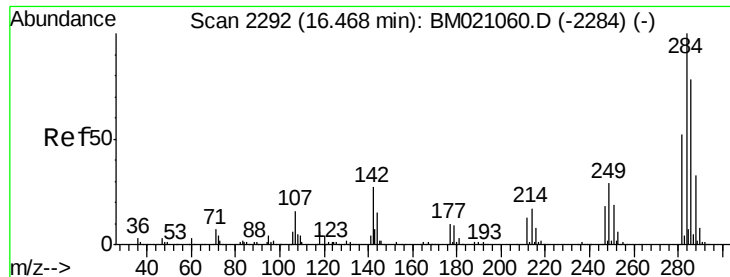
Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.5	54.5	81.7
167	35.4	29.0	43.6



#67
4-Bromophenyl-phenylether
Concen: 4.312 ng
RT: 16.35 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.5	116.3
141	67.2	47.8	71.6

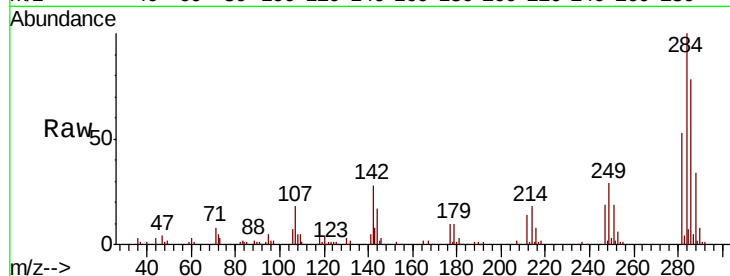




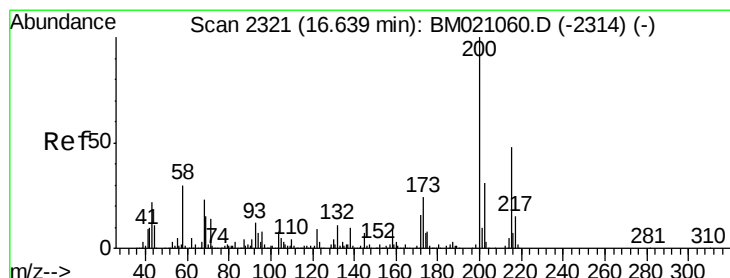
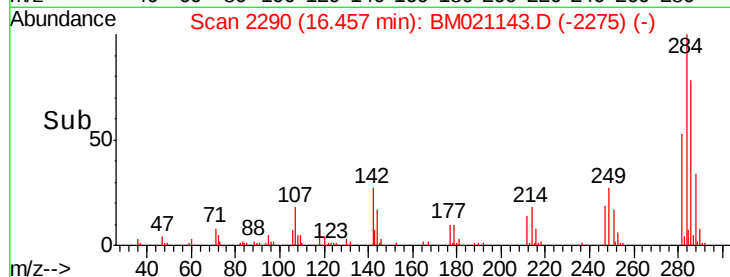
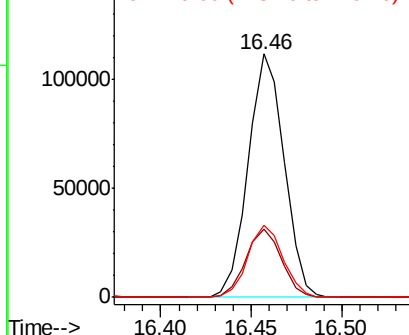
#68
Hexachlorobenzene
Concen: 4.470 ng
RT: 16.46 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

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

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.2	21.2	31.8
249	29.4	23.4	35.0

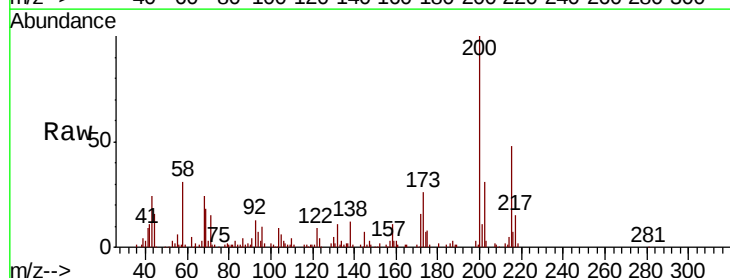


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

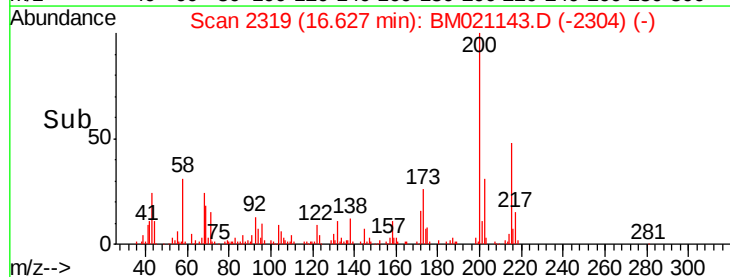
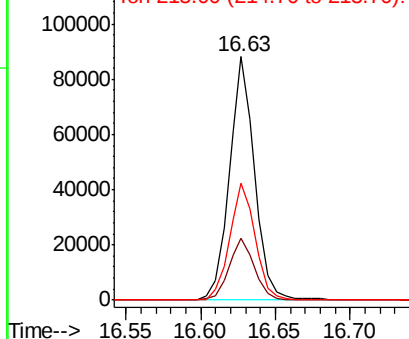


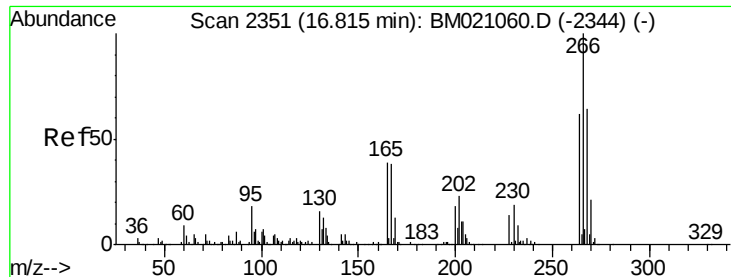
#69
Atrazine
Concen: 4.688 ng
RT: 16.63 min Scan# 2319
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.6	4.3	44.3
215	47.9	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

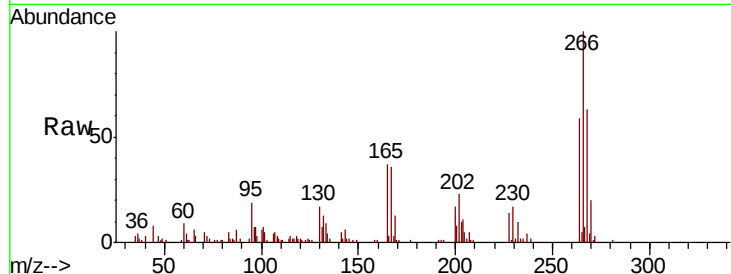




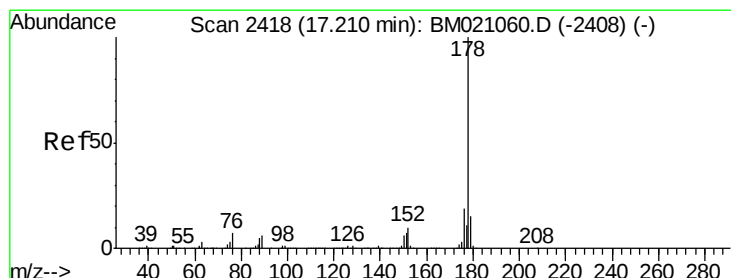
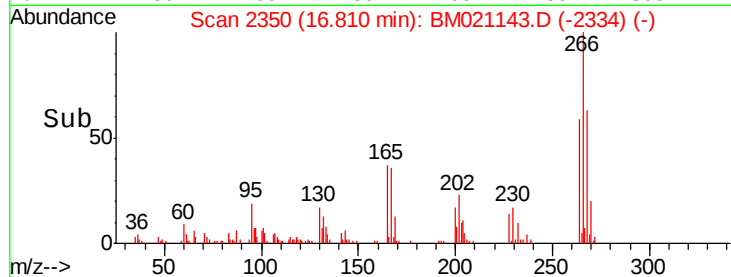
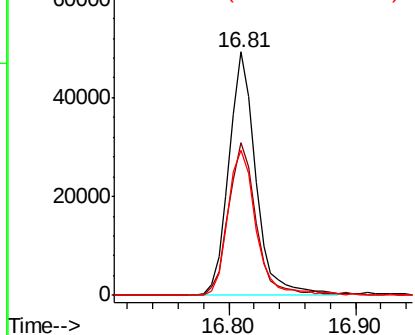
#70
 Pentachlorophenol
 Concen: 3.911 ng
 RT: 16.81 min Scan# 2350
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

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

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.0	76.4
264	59.5	49.9	74.9

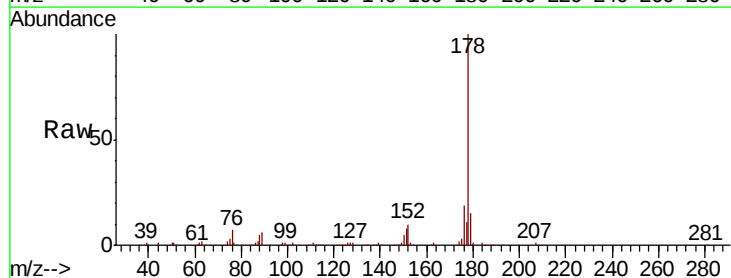


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

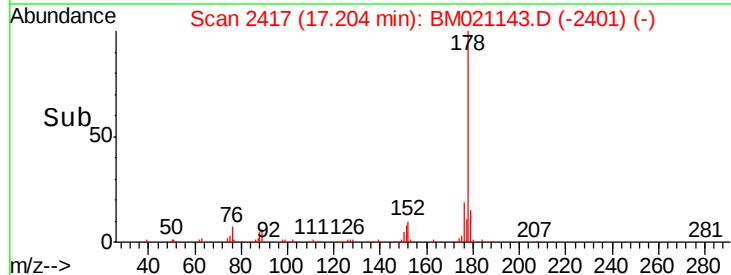
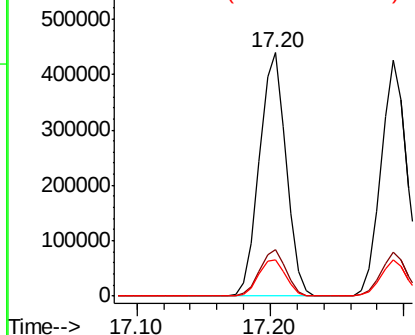


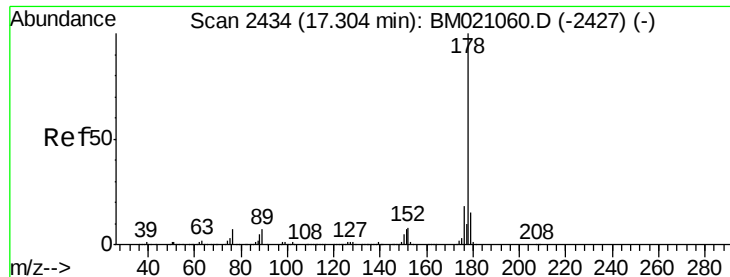
#71
 Phenanthrene
 Concen: 4.852 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	14.9	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: 4.654 ng

RT: 17.29 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

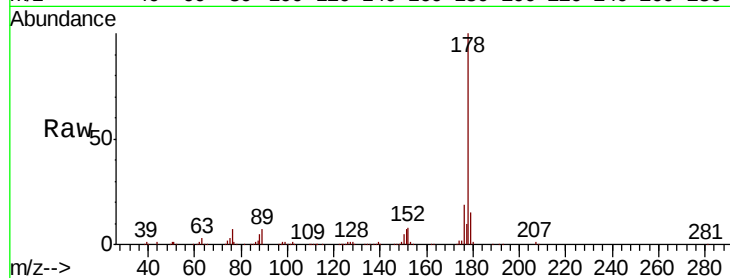
Tgt Ion:178 Resp: 575647

Ion Ratio Lower Upper

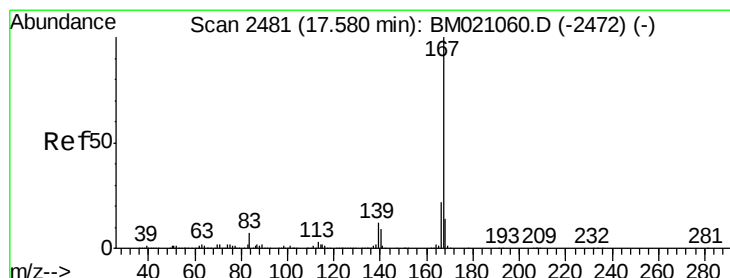
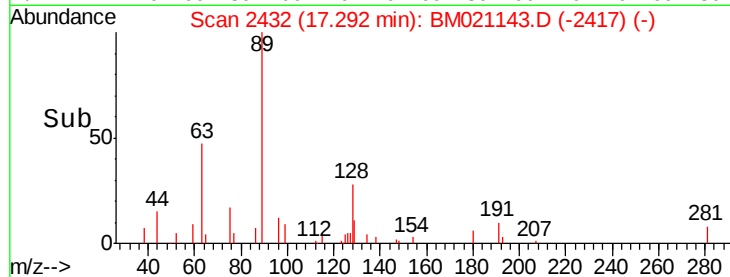
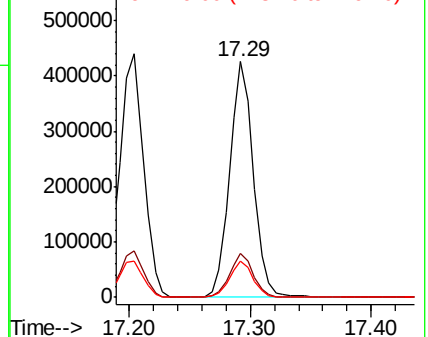
178 100

176 18.8 14.7 22.1

179 15.2 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: 4.628 ng

RT: 17.57 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

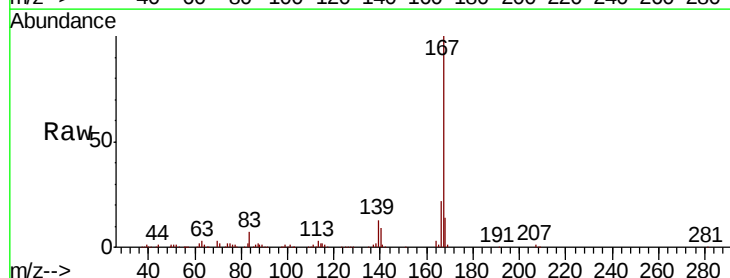
Tgt Ion:167 Resp: 506219

Ion Ratio Lower Upper

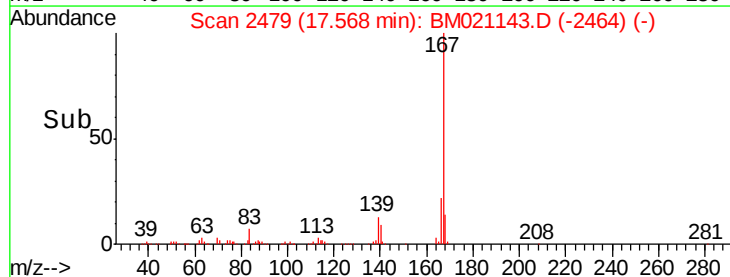
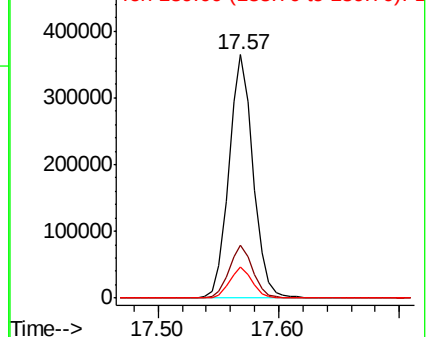
167 100

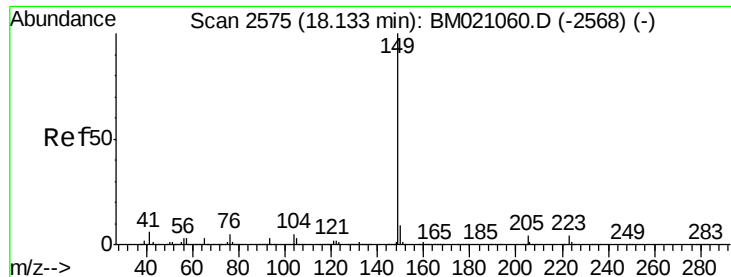
166 21.7 17.4 26.2

139 12.5 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

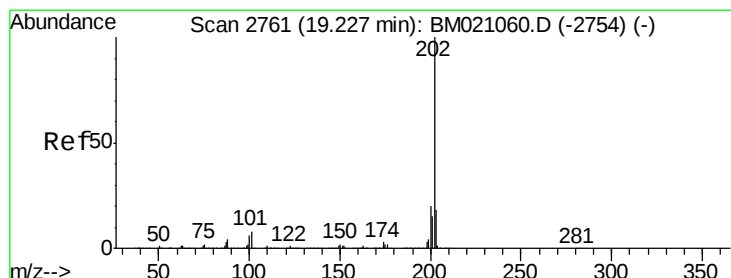
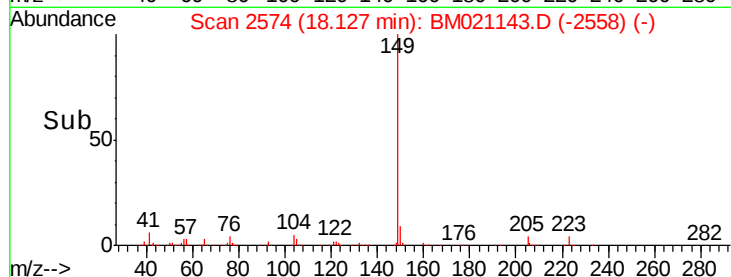
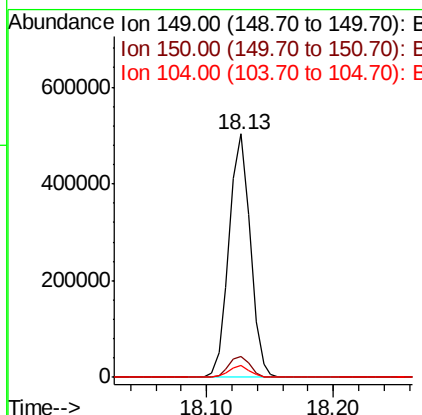
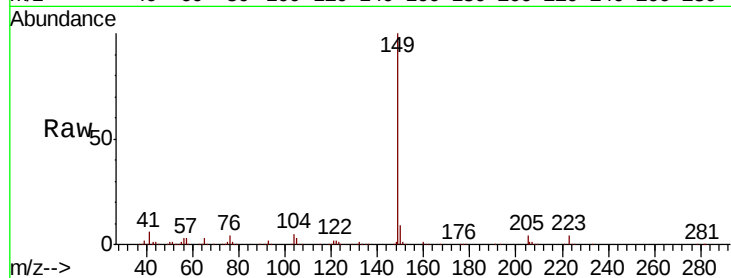




#74
Di-n-butylphthalate
Concen: 4.342 ng
RT: 18.13 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

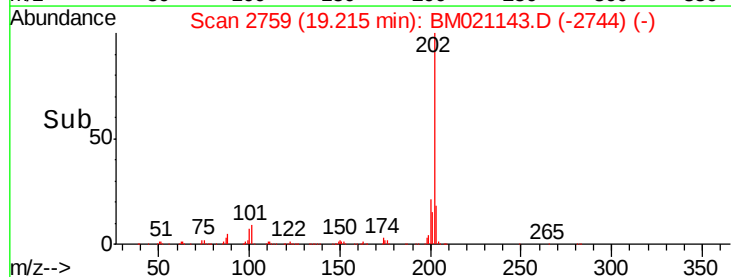
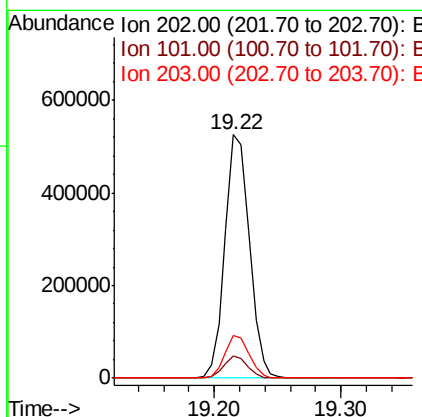
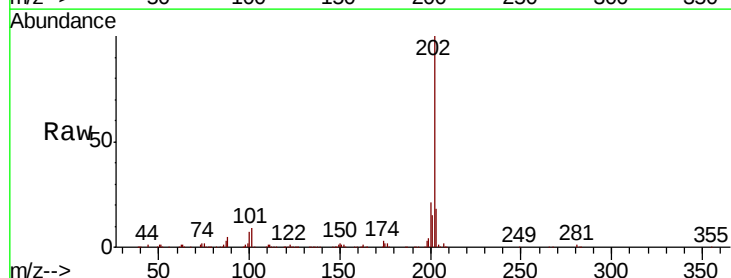
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

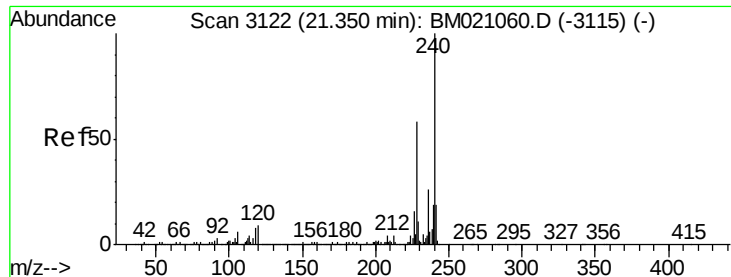
Tgt Ion:149 Resp: 581389
Ion Ratio Lower Upper
149 100
150 8.7 7.4 11.0
104 4.7 3.8 5.8



#75
Fluoranthene
Concen: 4.909 ng
RT: 19.22 min Scan# 2759
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion:202 Resp: 707970
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.2
203 17.7 0.0 37.6

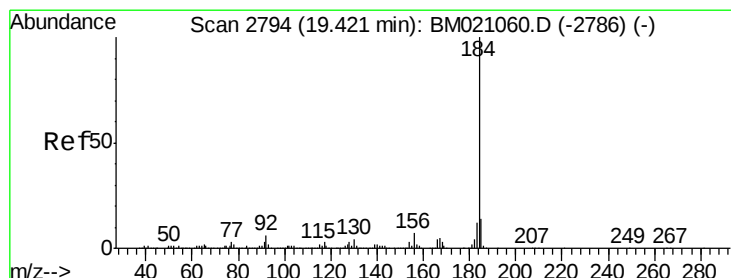
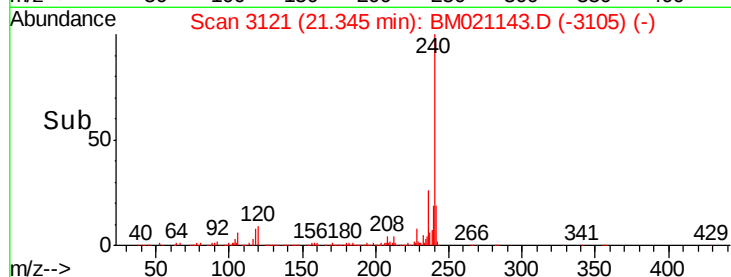
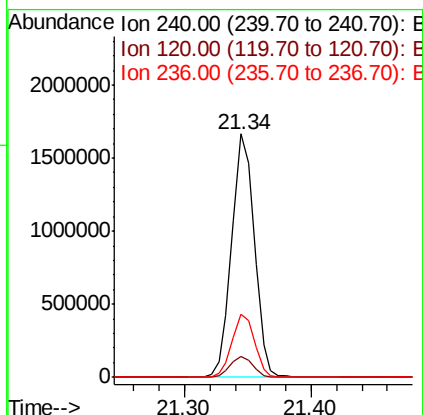
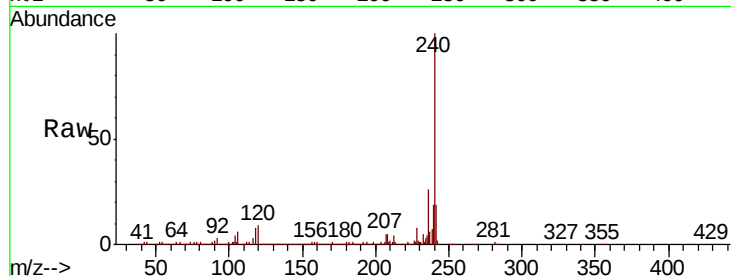




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

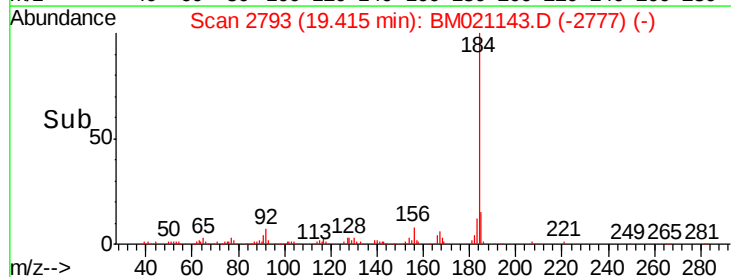
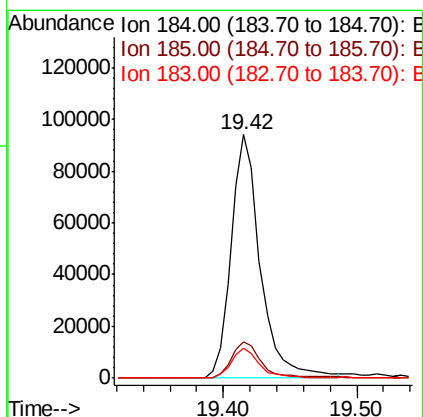
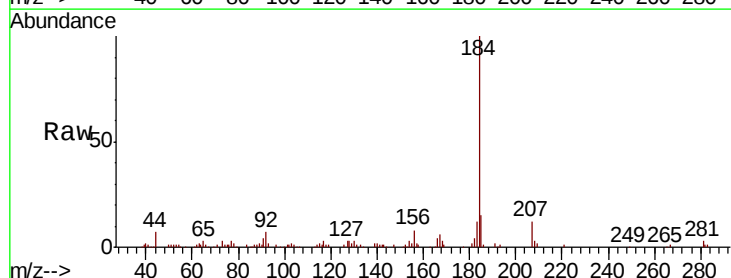
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

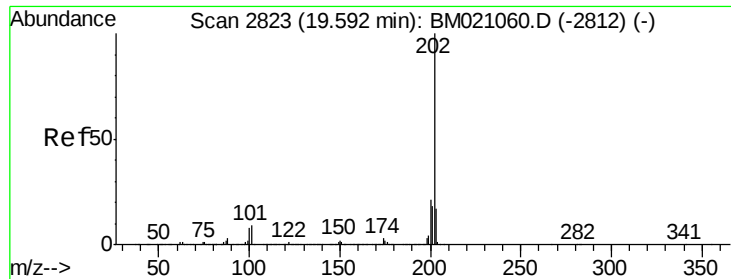
Tgt Ion:240 Resp: 2059997
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 25.9 20.4 30.6



#77
Benzidine
Concen: 2.412 ng
RT: 19.42 min Scan# 2793
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion:184 Resp: 144283
Ion Ratio Lower Upper
184 100
185 14.9 11.4 17.2
183 12.4 9.6 14.4

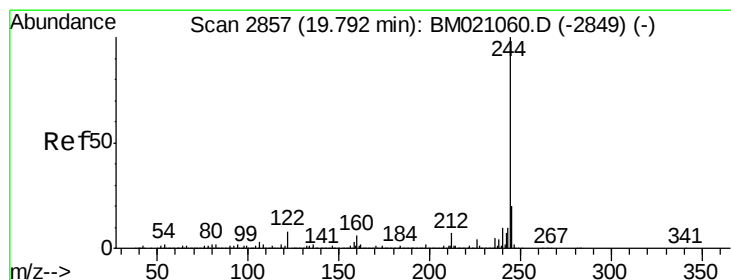
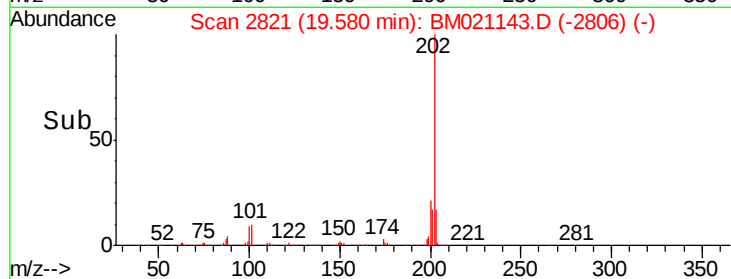
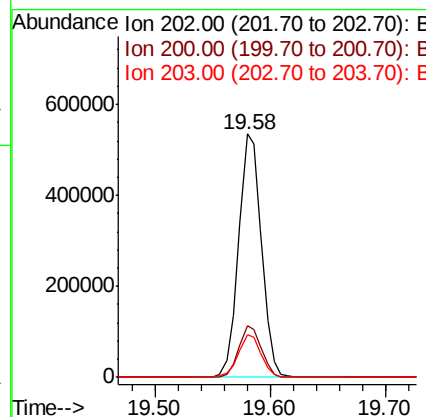
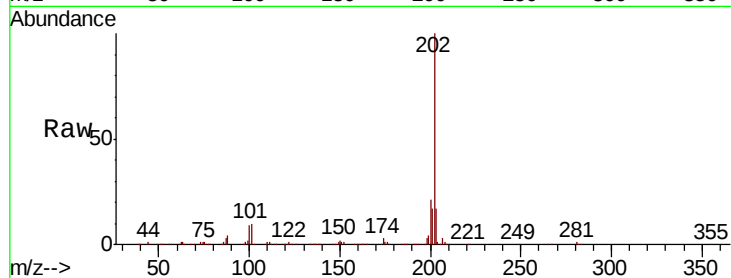




#78
 Pyrene
 Concen: 4.904 ng
 RT: 19.58 min Scan# 2821
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

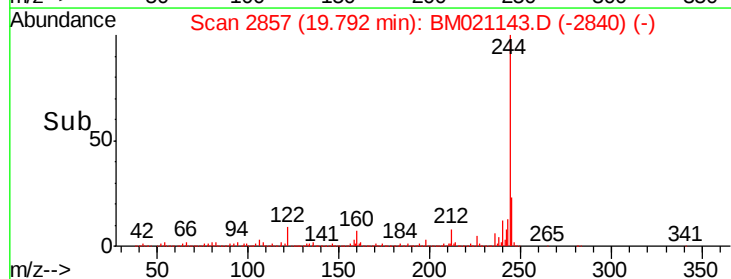
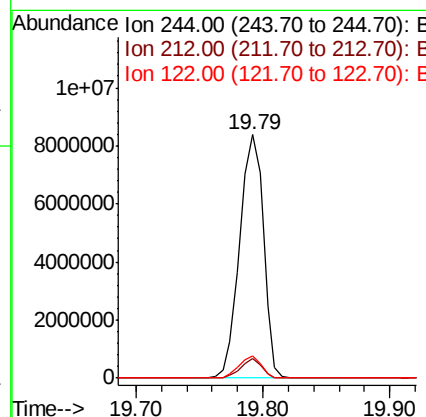
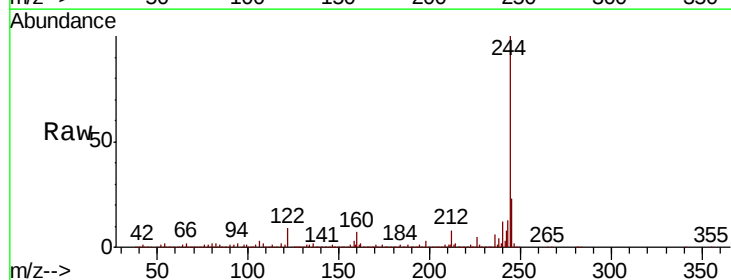
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

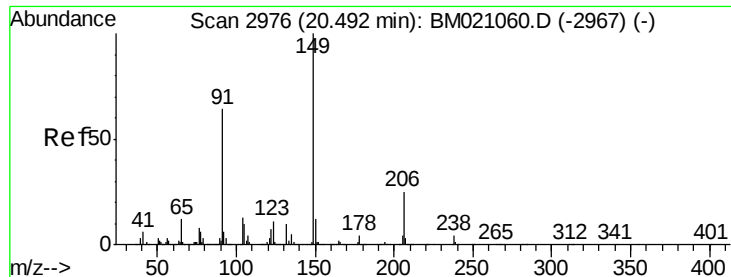
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.4	14.0	21.0



#79
 Terphenyl-d14
 Concen: 98.158 ng
 RT: 19.79 min Scan# 2857
 Delta R.T. -0.00 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.3	7.9
122	9.0	6.6	9.8

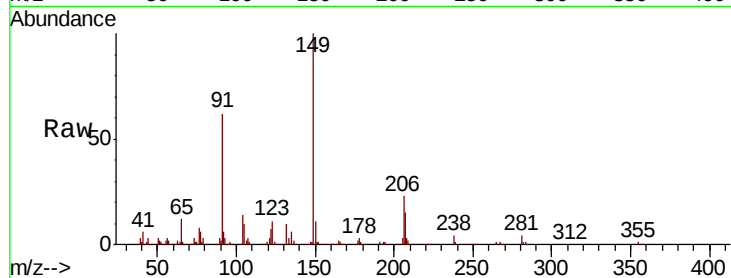




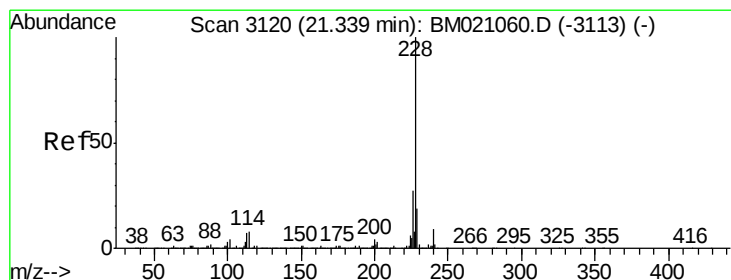
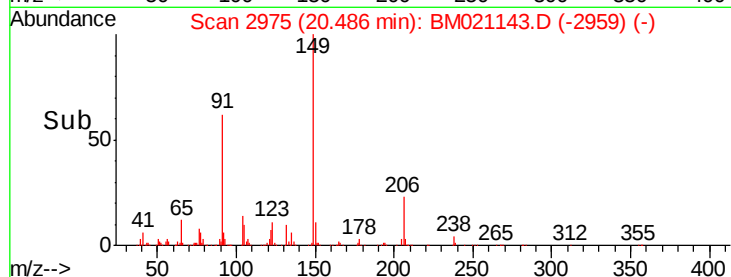
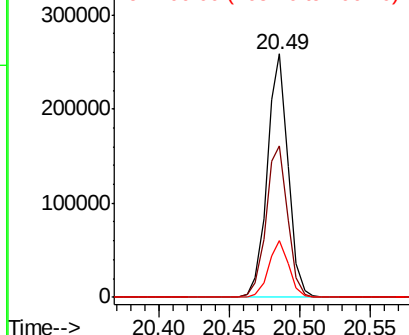
#80
Butylbenzylphthalate
Concen: 4.504 ng
RT: 20.49 min Scan# 2975
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

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

Tgt Ion	Ratio	Lower	Upper
149	100		
91	62.1	50.9	76.3
206	23.1	19.7	29.5

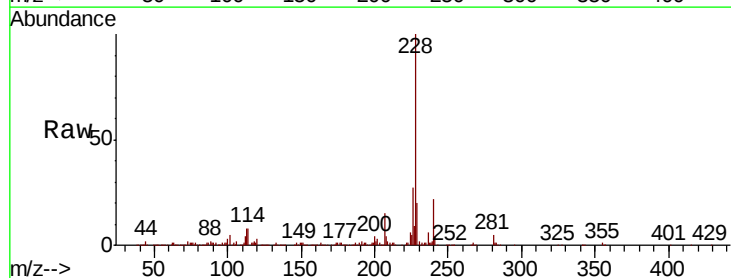


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM021143.D (-2959) (-)
Ion 206.00 (205.70 to 206.70): E

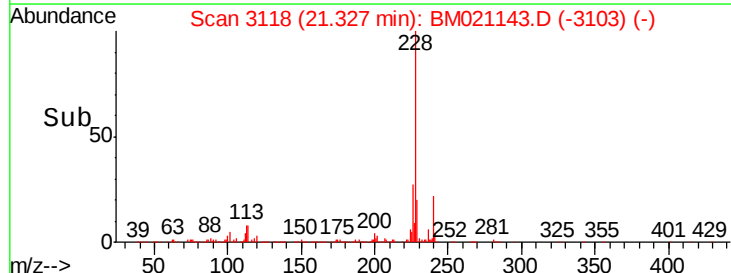
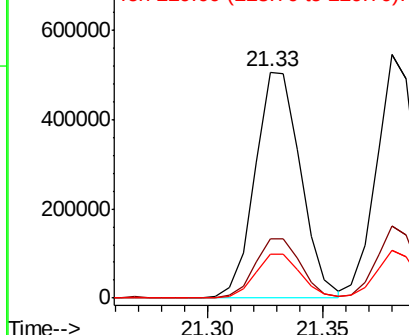


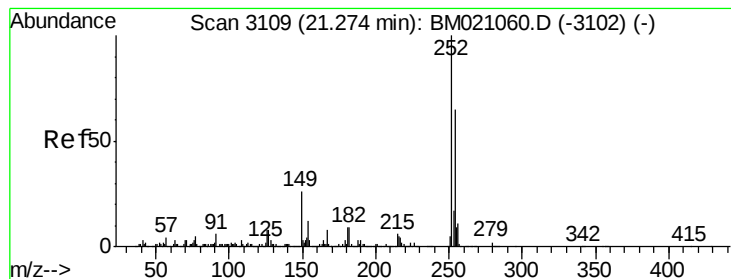
#81
Benzo(a)anthracene
Concen: 4.948 ng
RT: 21.33 min Scan# 3118
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.6	32.4
229	19.6	15.5	23.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

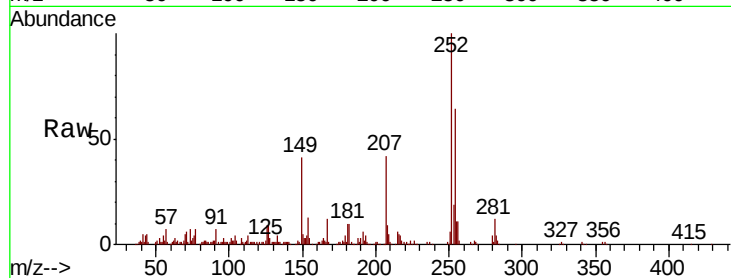




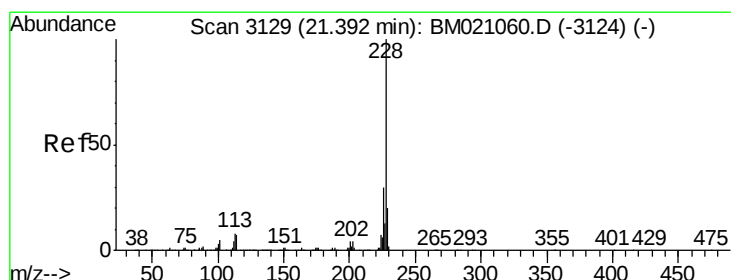
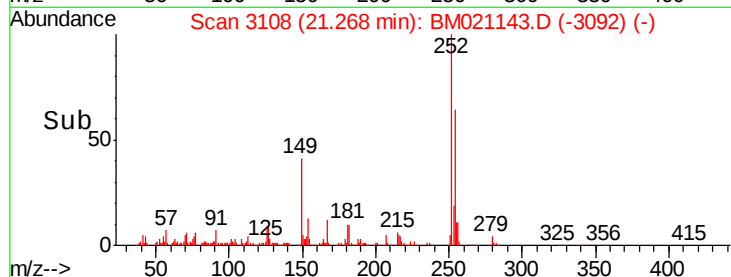
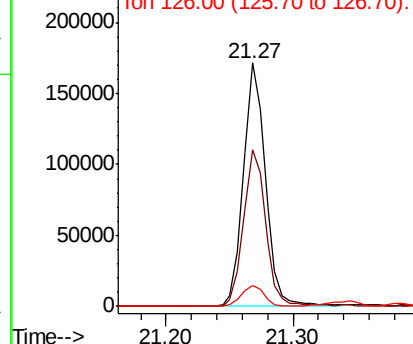
#82
 3,3'-Dichlorobenzidine
 Concen: 3.886 ng
 RT: 21.27 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

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

Tgt Ion: 252 Resp: 206688
 Ion Ratio Lower Upper
 252 100
 254 64.1 51.7 77.5
 126 8.6 6.6 9.8

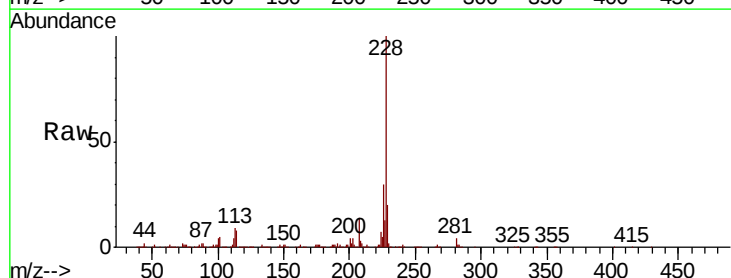


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

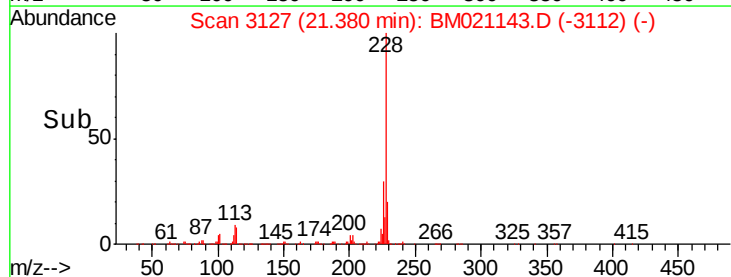
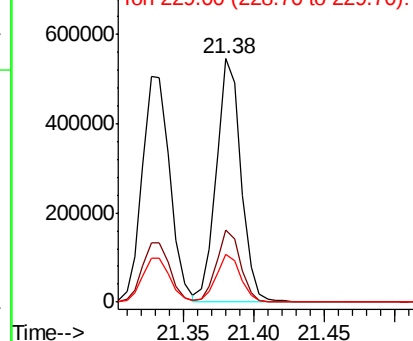


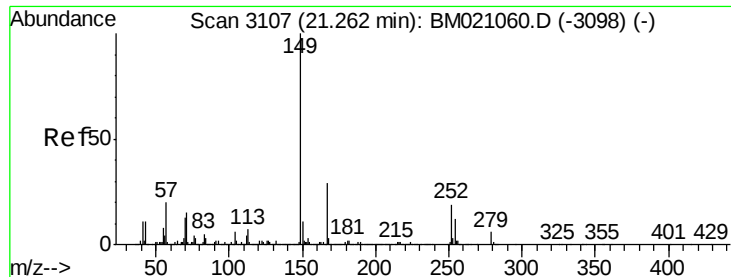
#83
 Chrysene
 Concen: 4.926 ng
 RT: 21.38 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BM021143.D
 Acq: 24 Jun 2019 11:23

Tgt Ion: 228 Resp: 659022
 Ion Ratio Lower Upper
 228 100
 226 29.7 24.1 36.1
 229 19.8 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: 4.355 ng

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

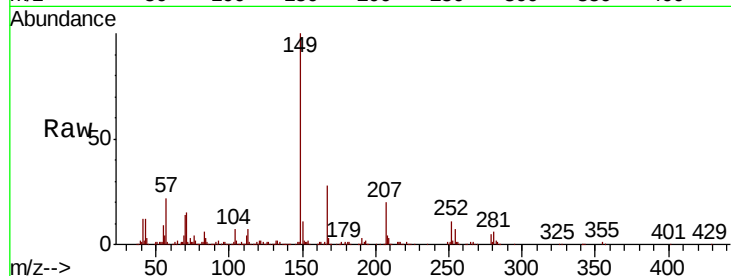
Tgt Ion:149 Resp: 369114

Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.4

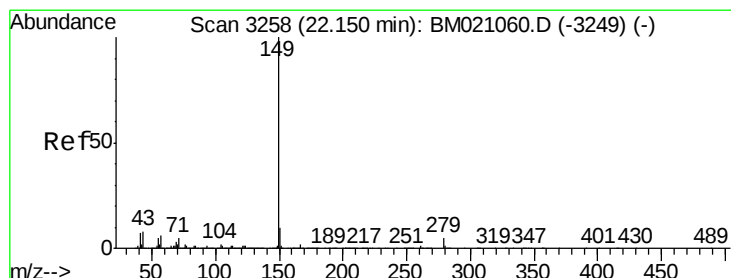
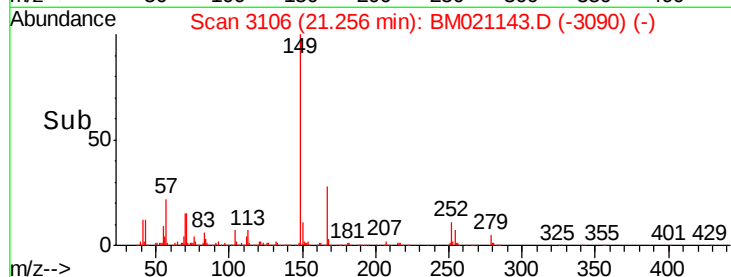
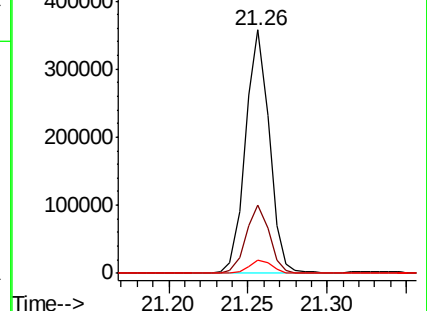
279 5.3 4.6 7.0



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: 4.303 ng

RT: 22.14 min Scan# 3257

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

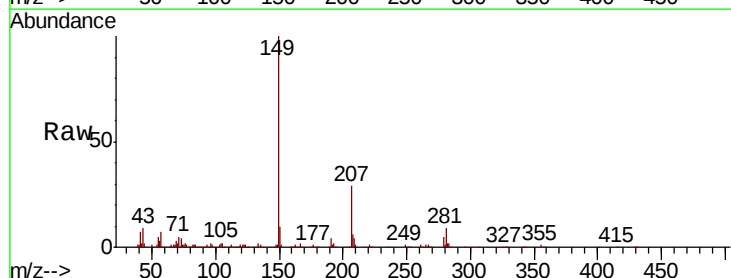
Tgt Ion:149 Resp: 573585

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

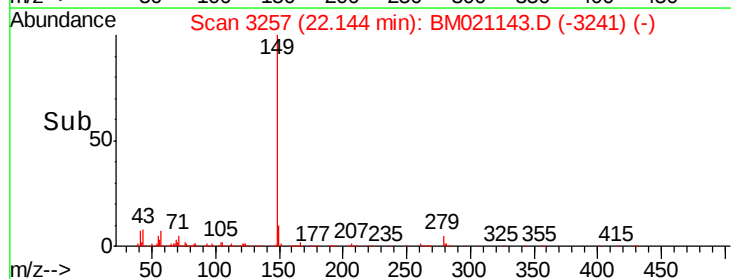
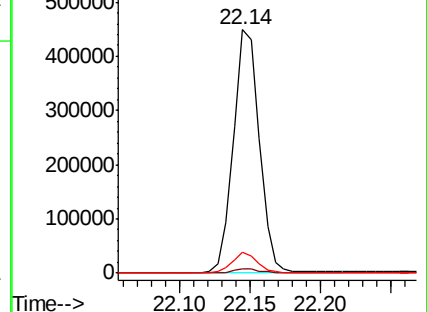
43 8.0 6.2 9.2

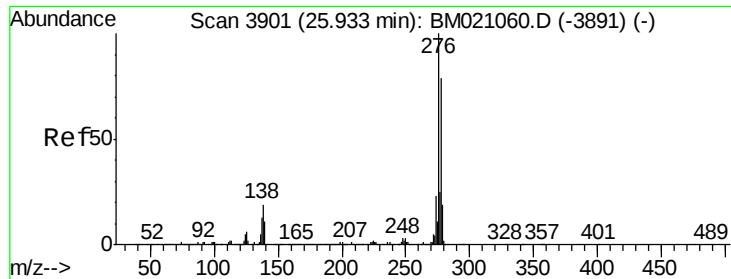


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.044 ng

RT: 25.91 min Scan# 3898

Delta R.T. -0.02 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

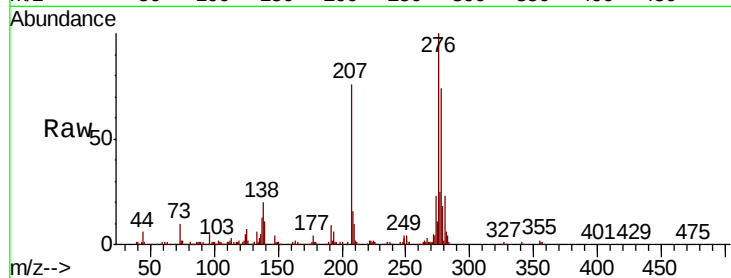
Tgt Ion:276 Resp: 598585

Ion Ratio Lower Upper

276 100

138 19.7 15.4 23.0

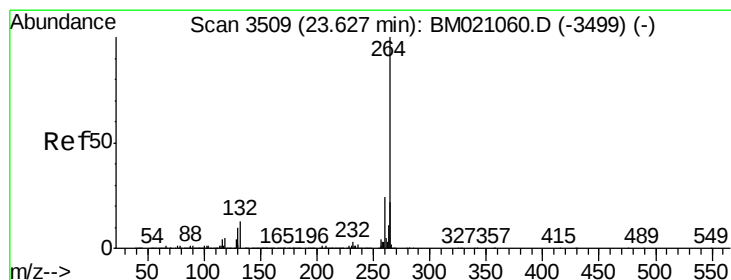
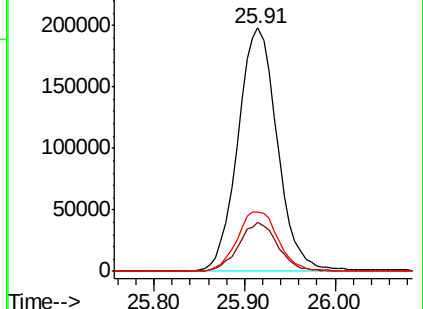
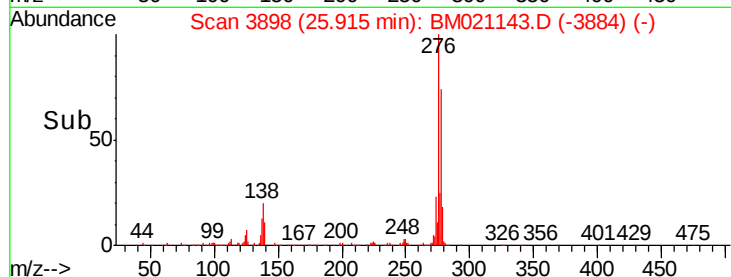
277 25.7 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.62 min Scan# 3508

Delta R.T. -0.01 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

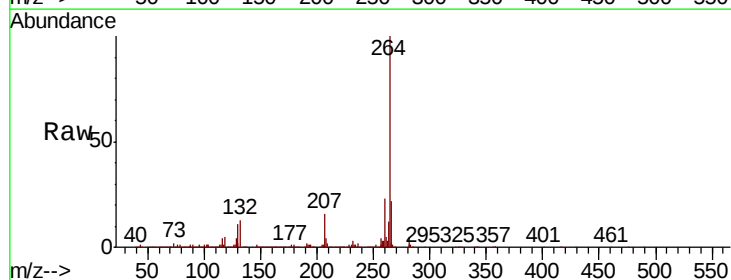
Tgt Ion:264 Resp: 1861280

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

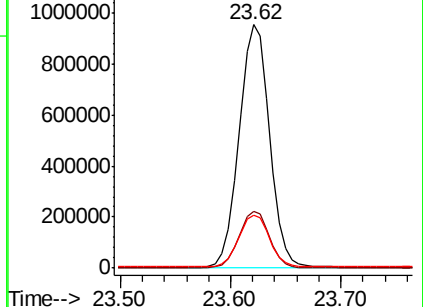
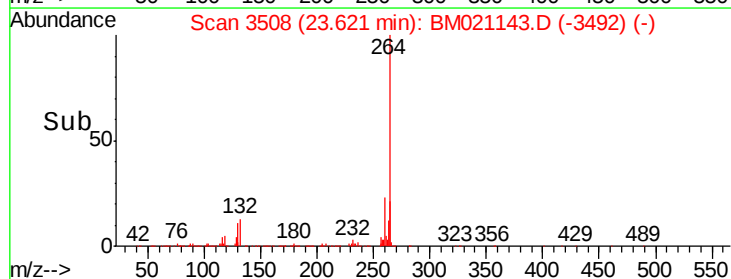
265 21.9 17.7 26.5

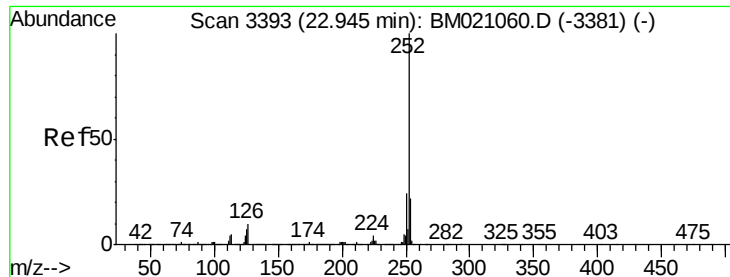


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

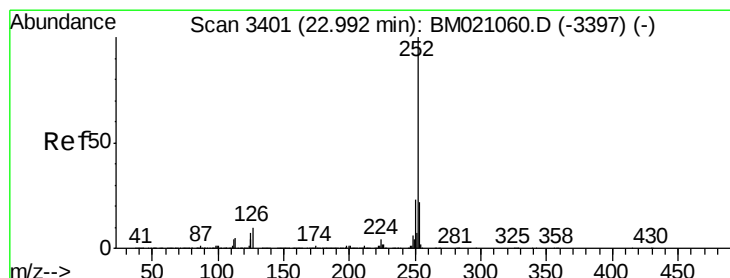
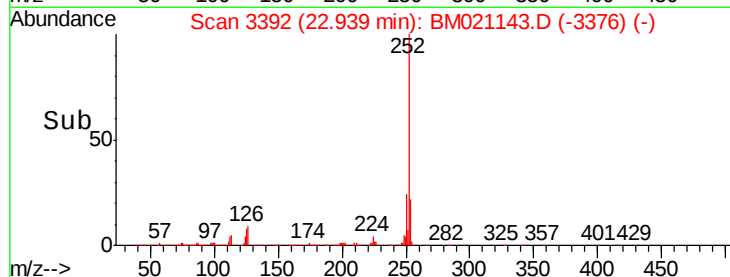
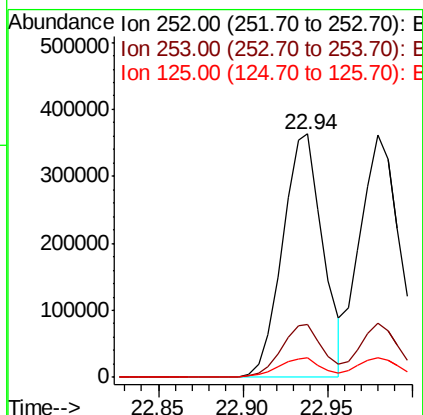
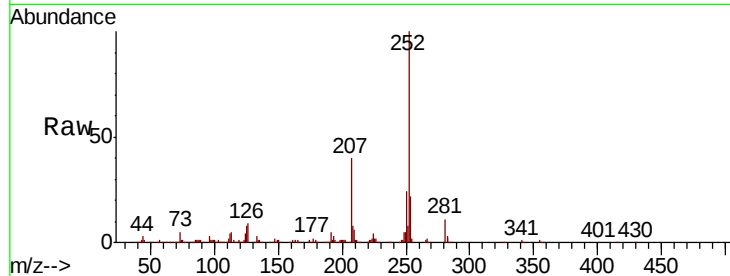




#88
Benzo(b)fluoranthene
Concen: 4.785 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

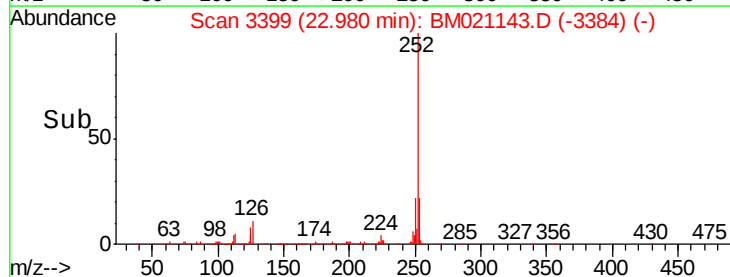
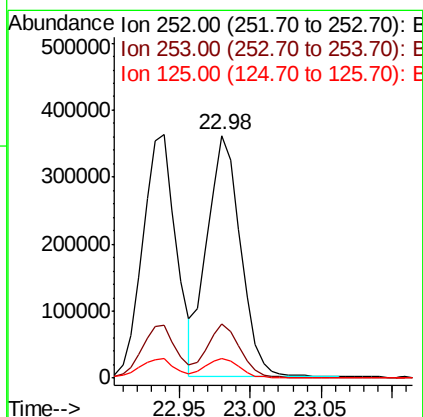
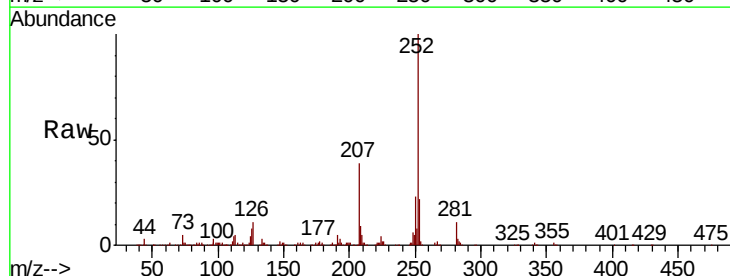
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

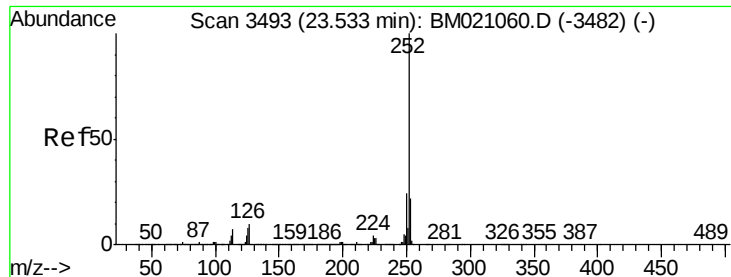
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	7.9	5.9	8.9



#89
Benzo(k)fluoranthene
Concen: 4.897 ng
RT: 22.98 min Scan# 3399
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.1	5.9	8.9

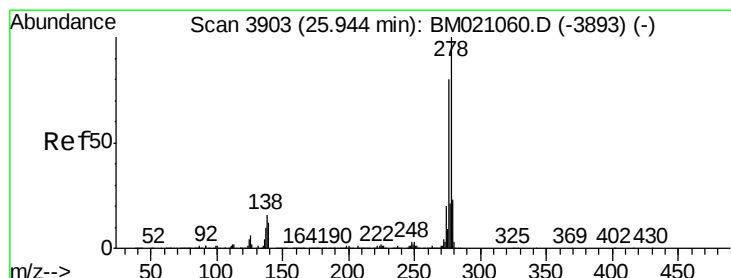
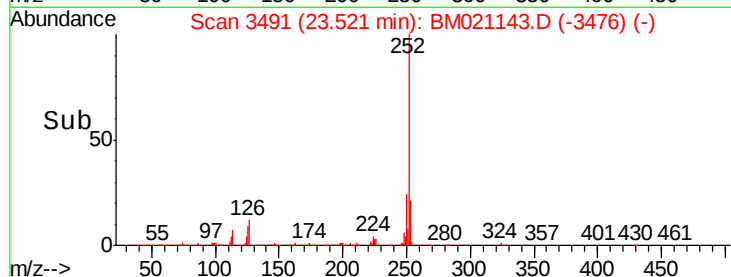
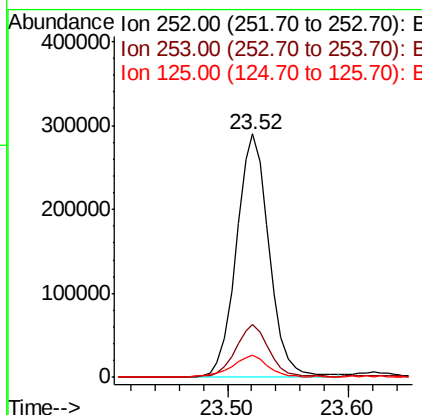
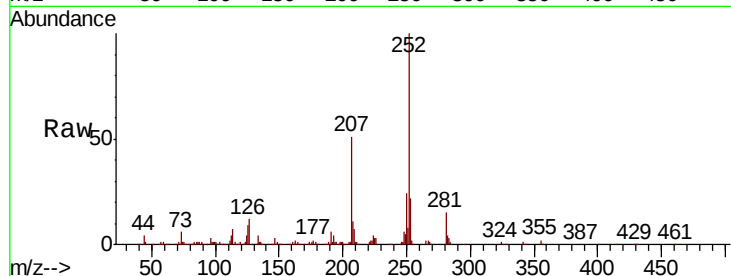




#90
Benzo(a)pyrene
Concen: 4.781 ng
RT: 23.52 min Scan# 3491
Delta R.T. -0.01 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

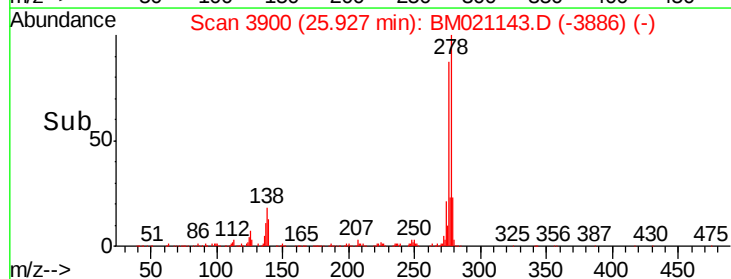
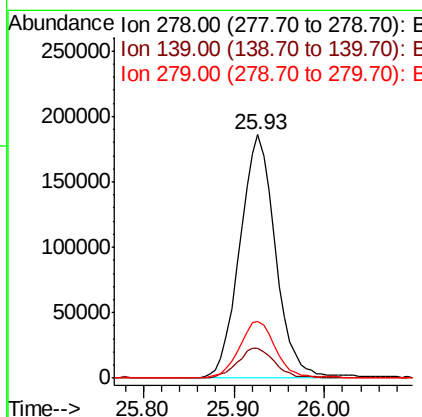
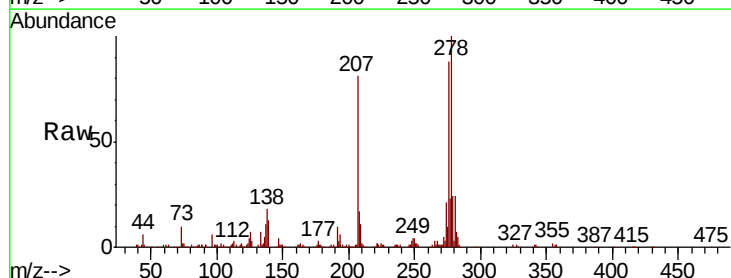
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

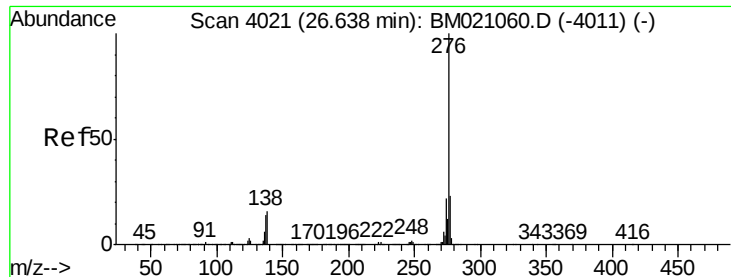
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.1	6.6	10.0



#91
Dibenzo(a,h)anthracene
Concen: 4.493 ng
RT: 25.93 min Scan# 3900
Delta R.T. -0.02 min
Lab File: BM021143.D
Acq: 24 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.5	9.8	14.8
279	23.5	18.7	28.1





#92

Benzo(g,h,i)perylene

Concen: 4.671 ng

RT: 26.62 min Scan# 4018

Delta R.T. -0.02 min

Lab File: BM021143.D

Acq: 24 Jun 2019 11:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 276 Resp: 492096

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 16.3 13.1 19.7

