

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012420\
 Data File : BM024621.D
 Acq On : 24 Jan 2020 15:31
 Operator : CG/JU
 Sample : K5111-02
 Misc : 10 PPM L00
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Quant Time: Jan 24 16:40:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	216341	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	894152	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	635176	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1457373	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1536762	20.00	ng	0.00
87) Perylene-d12	23.16	264	1717032	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	1508129	132.57	ng	0.00
7) Phenol-d6	6.64	99	1991166	127.06	ng	0.00
23) Nitrobenzene-d5	8.58	82	1326729	72.77	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	1299125	125.74	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	3317248	71.00	ng	0.00
79) Terphenyl-d14	19.50	244	6658752	80.89	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	48737	10.831	ng	100
3) Pyridine	3.46	79	143015	10.963	ng	94
4) n-Nitrosodimethylamine	3.37	42	55944	9.662	ng	# 96
6) Aniline	6.78	93	190537	9.988	ng	96
8) 2-Chlorophenol	7.02	128	127428	9.840	ng	96
9) Benzaldehyde	6.59	77	93713	10.121	ng	93
10) Phenol	6.66	94	154496	9.890	ng	97
11) bis(2-Chloroethyl)ether	6.89	93	125521	10.037	ng	98
12) 1,3-Dichlorobenzene	7.33	146	161587	10.157	ng	100
13) 1,4-Dichlorobenzene	7.47	146	159083	9.857	ng	98
14) 1,2-Dichlorobenzene	7.79	146	156537	10.048	ng	98
15) Benzyl Alcohol	7.68	79	127185	9.844	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.97	45	118766	10.374	ng	97
17) 2-Methylphenol	7.89	107	107106	9.730	ng	99
18) Hexachloroethane	8.50	117	62187	9.978	ng	97
19) n-Nitroso-di-n-propylamine	8.25	70	117116	9.954	ng	96
20) 3+4-Methylphenols	8.22	107	143523	9.419	ng	99
22) Acetophenone	8.25	105	225558	9.783	ng	96
24) Nitrobenzene	8.62	77	179224	10.258	ng	99
25) Isophorone	9.15	82	300321	9.694	ng	99
26) 2-Nitrophenol	9.33	139	68620	8.482	ng	98
27) 2,4-Dimethylphenol	9.40	122	101778	9.258	ng	99
28) bis(2-Chloroethoxy)methane	9.64	93	185593	9.807	ng	97
29) 2,4-Dichlorophenol	9.86	162	134598	9.062	ng	97
30) 1,2,4-Trichlorobenzene	10.07	180	172207	9.613	ng	96
31) Naphthalene	10.25	128	433864	9.607	ng	99
32) Benzoic acid	9.50	122	57052	5.673	ng	96
33) 4-Chloroaniline	10.36	127	183781	9.284	ng	98
34) Hexachlorobutadiene	10.56	225	120014	9.691	ng	97
35) Caprolactam	11.13	113	42534	8.926	ng	96
36) 4-Chloro-3-methylphenol	11.50	107	142913	9.048	ng	98
37) 2-Methylnaphthalene	11.87	142	328244	9.418	ng	99
38) 1-Methylnaphthalene	12.10	142	317789	9.586	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.26	216	214240	9.451	ng	99

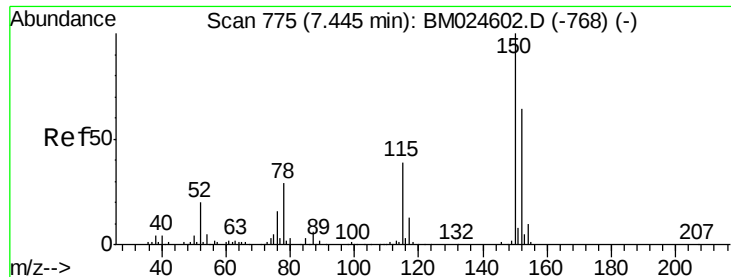
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012420\
 Data File : BM024621.D
 Acq On : 24 Jan 2020 15:31
 Operator : CG/JU
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 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.25	237	113528	8.935	ng	99
43) 2,4,6-Trichlorophenol	12.50	196	126663	8.780	ng	97
44) 2,4,5-Trichlorophenol	12.57	196	129112	8.764	ng	99
46) 1,1'-Biphenyl	12.92	154	461295	9.597	ng	99
47) 2-Chloronaphthalene	12.95	162	373713	9.630	ng	99
48) 2-Nitroaniline	13.16	65	105107	8.881	ng	98
49) Acenaphthylene	13.80	152	548321	9.439	ng	100
50) Dimethylphthalate	13.56	163	491224	9.564	ng	100
51) 2,6-Dinitrotoluene	13.67	165	98815	9.049	ng	98
52) Acenaphthene	14.15	154	342295	9.495	ng	99
53) 3-Nitroaniline	13.99	138	101975	9.004	ng	94
54) 2,4-Dinitrophenol	14.20	184	43910	6.724	ng	89
55) Dibenzofuran	14.49	168	559193	9.512	ng	99
56) 4-Nitrophenol	14.32	139	72282	8.164	ng	95
57) 2,4-Dinitrotoluene	14.46	165	138319	8.838	ng	99
58) Fluorene	15.15	166	456763	9.245	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.73	232	134726	9.018	ng	99
60) Diethylphthalate	14.95	149	486677	9.333	ng	99
61) 4-Chlorophenyl-phenylether	15.15	204	263121	9.238	ng	98
62) 4-Nitroaniline	15.16	138	106681	8.533	ng	93
63) Azobenzene	15.45	77	422422	9.497	ng	98
65) 4,6-Dinitro-2-methylphenol	15.23	198	64877	7.571	ng	99
66) n-Nitrosodiphenylamine	15.37	169	397737	9.501	ng	100
67) 4-Bromophenyl-phenylether	16.05	248	168347	9.289	ng	98
68) Hexachlorobenzene	16.16	284	196751	9.460	ng	96
69) Atrazine	16.33	200	143047	8.902	ng	97
70) Pentachlorophenol	16.50	266	105827	8.354	ng	98
71) Phenanthrene	16.88	178	752663	9.537	ng	99
72) Anthracene	16.97	178	727757	9.424	ng	99
73) Carbazole	17.24	167	656511	9.339	ng	98
74) Di-n-butylphthalate	17.84	149	805573	8.964	ng	99
75) Fluoranthene	18.91	202	922337	9.364	ng	98
77) Benzidine	19.10	184	316796	8.852	ng	99
78) Pyrene	19.27	202	958730	9.463	ng	99
80) Butylbenzylphthalate	20.21	149	357849	8.418	ng	96
81) Benzo(a)anthracene	21.03	228	1023855	9.599	ng	99
82) 3,3'-Dichlorobenzidine	20.97	252	339532	8.849	ng	98
83) Chrysene	21.09	228	986146	9.689	ng	98
84) Bis(2-ethylhexyl)phthalate	21.01	149	534396	8.520	ng	99
85) Di-n-octyl phthalate	21.86	149	870006	8.395	ng	99
86) Indeno(1,2,3-cd)pyrene	25.22	276	1040544	9.380	ng	99
88) Benzo(b)fluoranthene	22.54	252	992501	8.912	ng	100
89) Benzo(k)fluoranthene	22.58	252	1026169	9.440	ng	99
90) Benzo(a)pyrene	23.07	252	915015	9.037	ng	99
91) Dibenzo(a,h)anthracene	25.23	278	870908	9.063	ng	99
92) Benzo(g,h,i)perylene	25.84	276	796463	9.128	ng	99

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

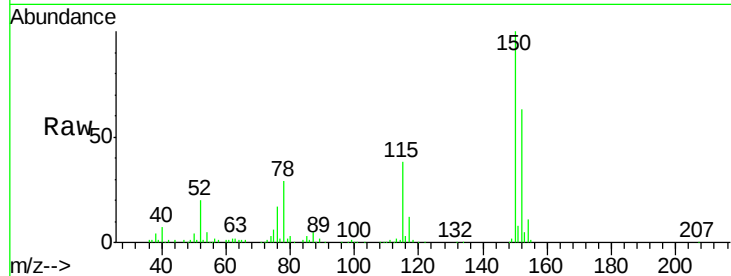


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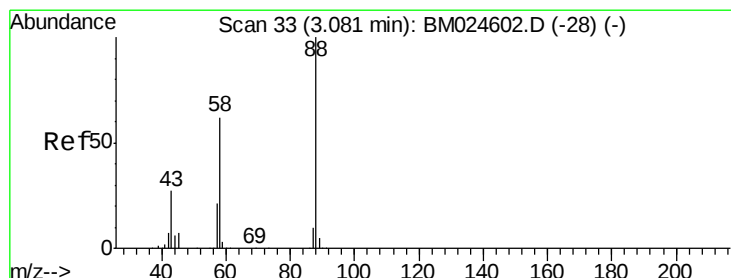
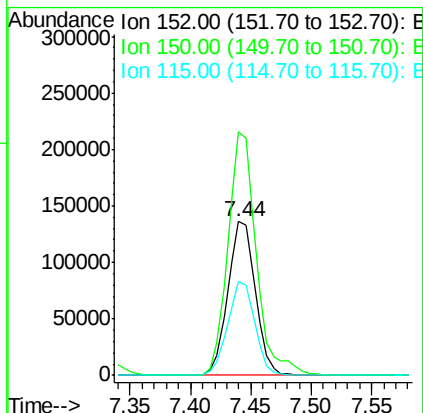
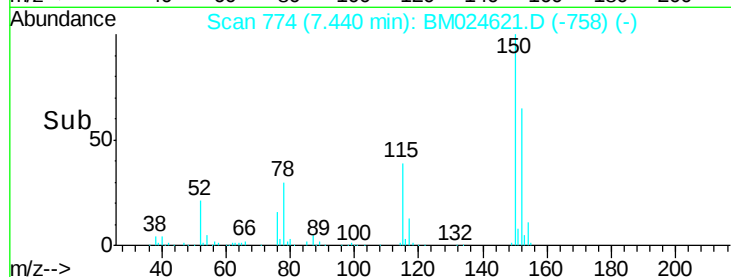
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:152 Resp: 216341
Ion Ratio Lower Upper
152 100
150 158.2 124.2 186.4
115 60.6 48.6 72.8



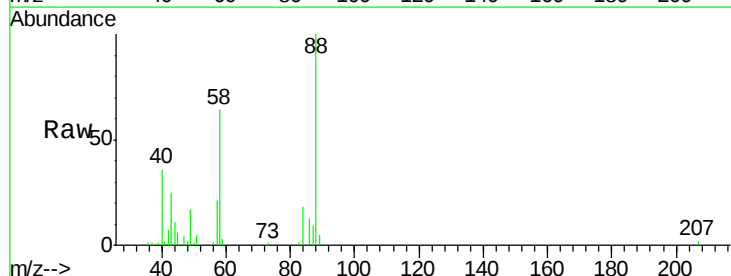
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



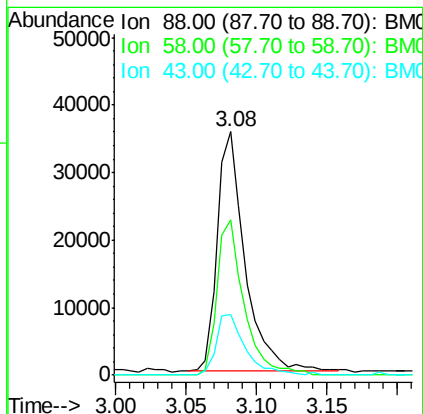
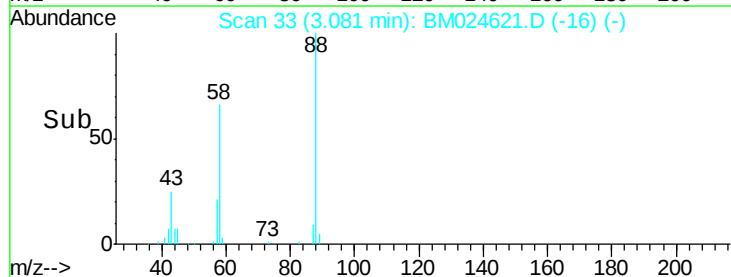
#2

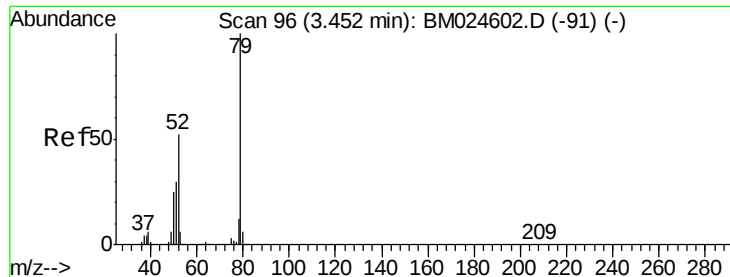
1,4-Dioxane
Concen: 10.831 ng
RT: 3.08 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Tgt Ion: 88 Resp: 48737
Ion Ratio Lower Upper
88 100
58 62.6 50.0 75.0
43 26.5 21.6 32.4



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

Pvridine

Concen: 10.963 ng

RT: 3.46 min Scan# 97

Delta R.T. 0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

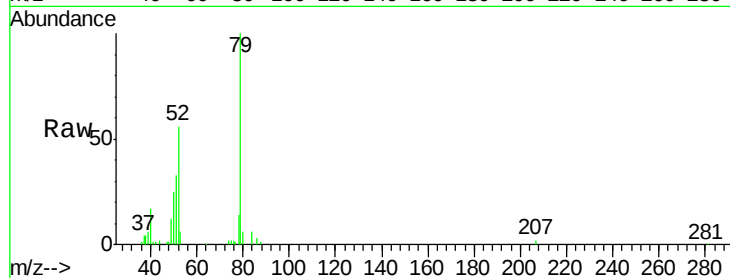
Tot Ion: 79 Resp: 143015

Ion Ratio Lower Upper

79 100

52 55.8 41.4 62.2

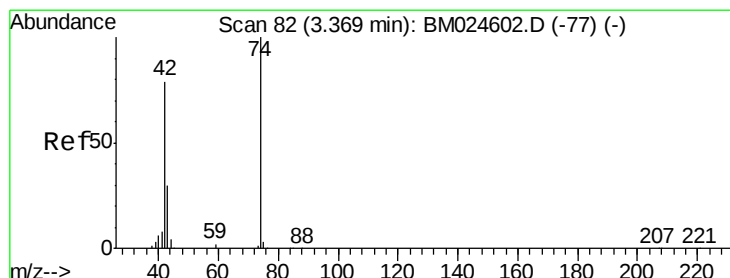
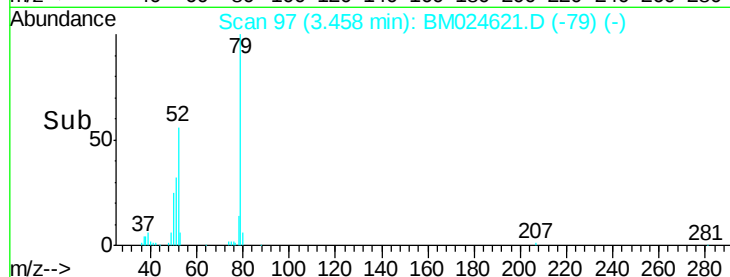
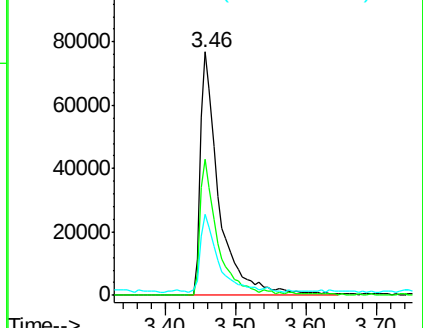
51 33.5 23.8 35.8



Abundance Ion 79.00 (78.70 to 79.70): BM024621.D (-79) (-)

Ion 52.00 (51.70 to 52.70): BM024621.D (-79) (-)

Ion 51.00 (50.70 to 51.70): BM024621.D (-79) (-)



#4

n-Nitrosodimethylamine

Concen: 9.662 ng

RT: 3.37 min Scan# 82

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

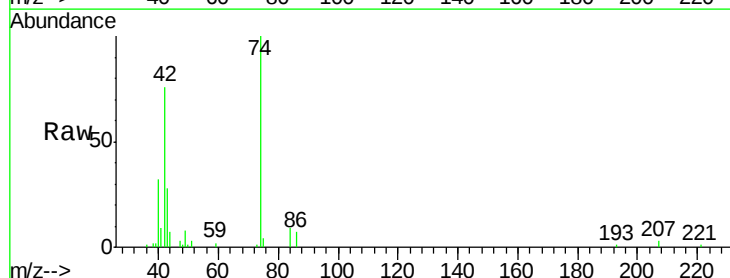
Tgt Ion: 42 Resp: 55944

Ion Ratio Lower Upper

42 100

74 130.8 101.4 152.2

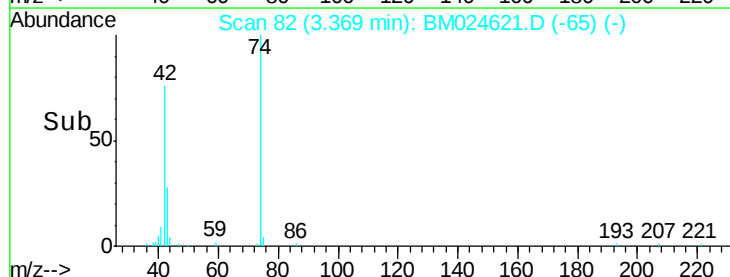
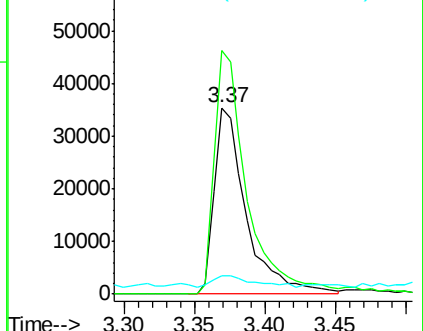
44 9.7 4.6 6.8#

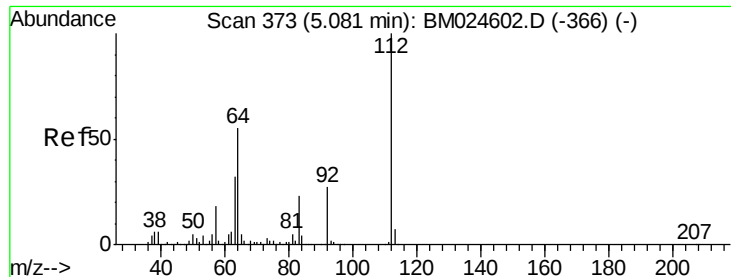


Abundance Ion 42.00 (41.70 to 42.70): BM024621.D (-65) (-)

Ion 74.00 (73.70 to 74.70): BM024621.D (-65) (-)

Ion 44.00 (43.70 to 44.70): BM024621.D (-65) (-)





#5

2-Fluorophenol

Concen: 132.573 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

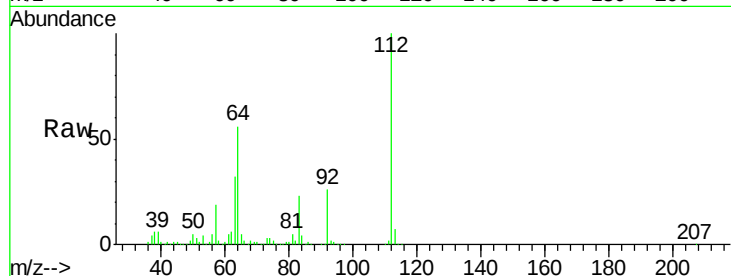
Tot Ion:112 Resp: 1508129

Ion Ratio Lower Upper

112 100

64 56.4 44.2 66.4

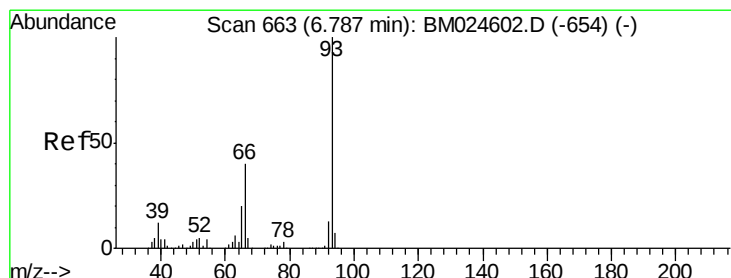
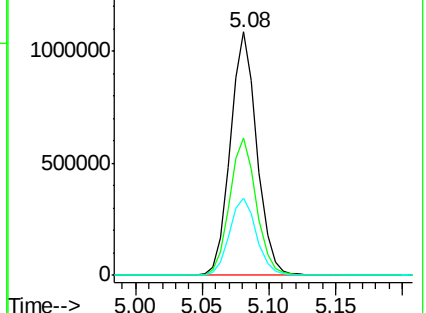
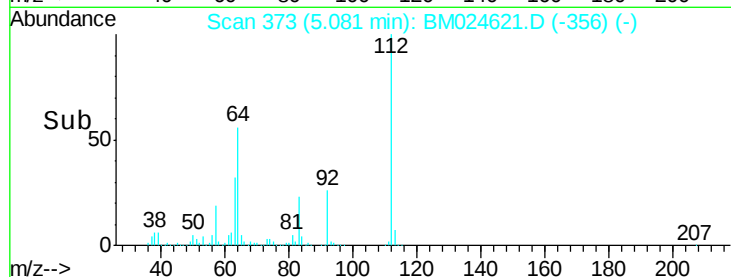
63 31.9 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 9.988 ng

RT: 6.78 min Scan# 662

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

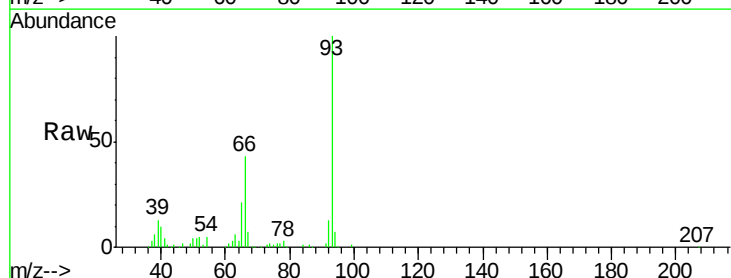
Tgt Ion: 93 Resp: 190537

Ion Ratio Lower Upper

93 100

66 42.8 31.8 47.8

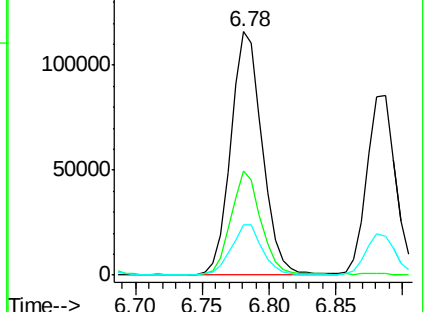
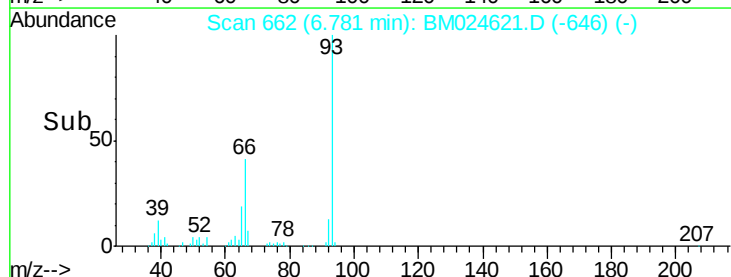
65 20.6 15.8 23.6

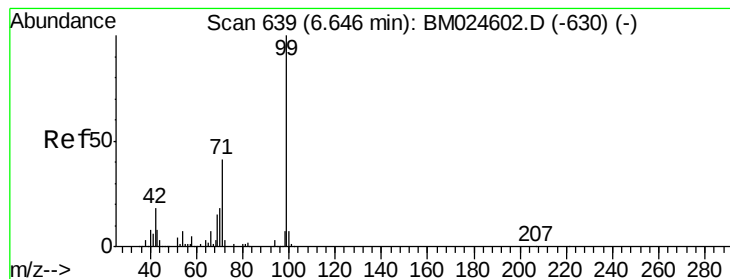


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 127.060 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

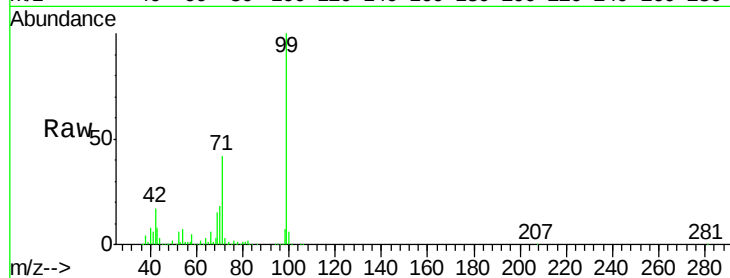
Tot Ion: 99 Resp: 1991166

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

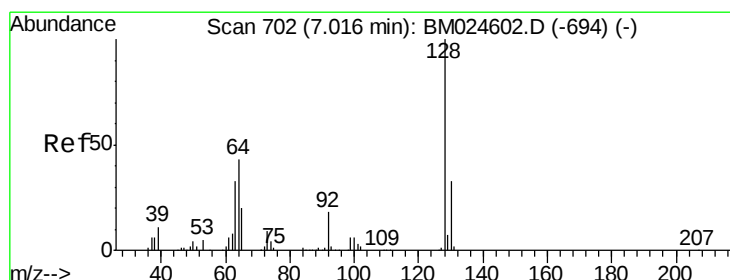
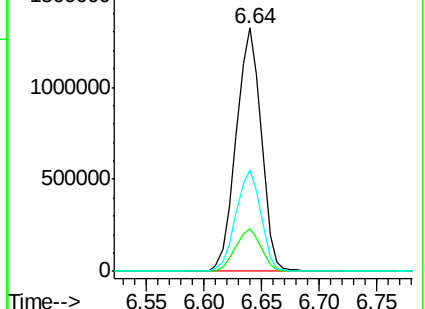
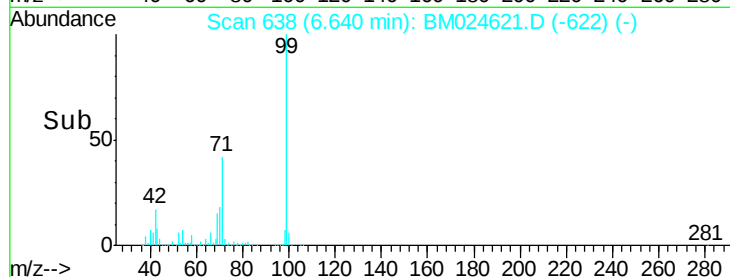
71 41.8 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024621.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024621.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024621.D (-622) (-)



#8

2-Chlorophenol

Concen: 9.840 ng

RT: 7.02 min Scan# 702

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

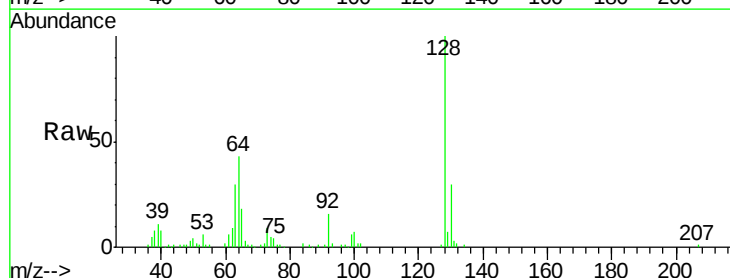
Tgt Ion: 128 Resp: 127428

Ion Ratio Lower Upper

128 100

130 30.5 12.5 52.5

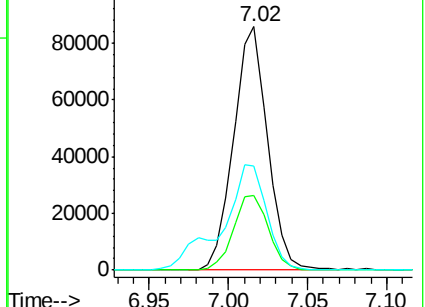
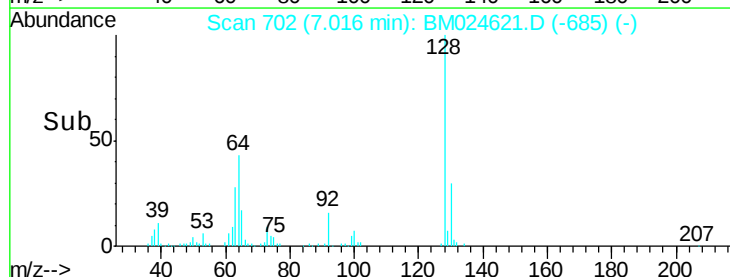
64 42.8 26.1 66.1

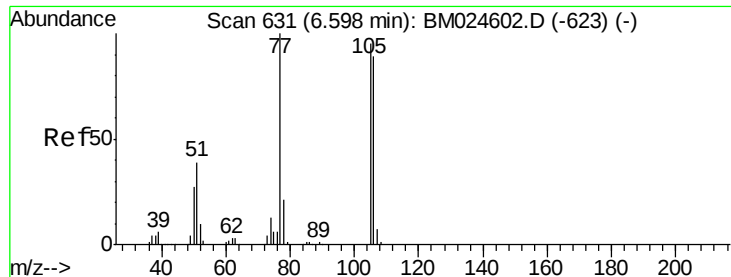


Abundance Ion 128.00 (127.70 to 128.70): BM024621.D (-685) (-)

Ion 130.00 (129.70 to 130.70): BM024621.D (-685) (-)

Ion 64.00 (63.70 to 64.70): BM024621.D (-685) (-)





#9

Benzaldehyde

Concen: 10.121 ng

RT: 6.59 min Scan# 630

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

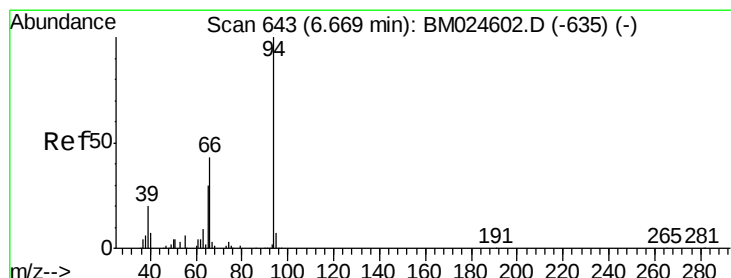
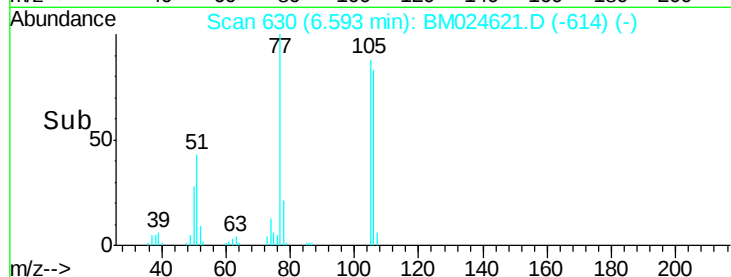
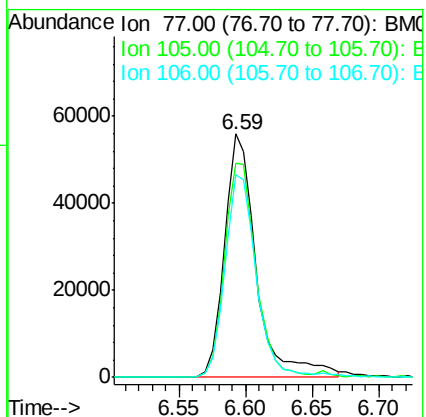
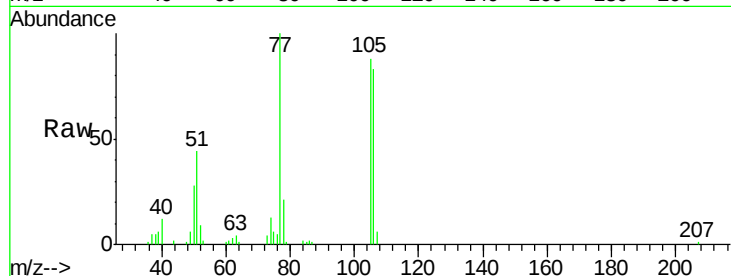
Tot Ion: 77 Resp: 93713

Ion Ratio Lower Upper

77 100

105 87.7 75.2 115.2

106 83.2 68.6 108.6



#10

Phenol

Concen: 9.890 ng

RT: 6.66 min Scan# 642

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

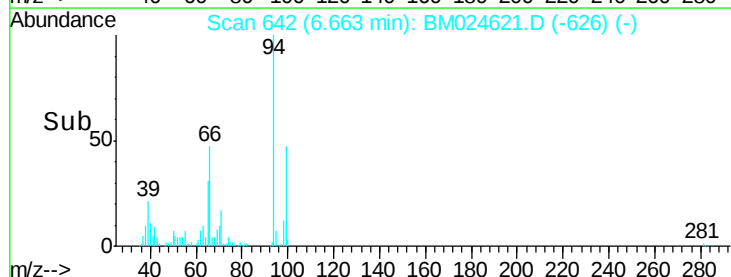
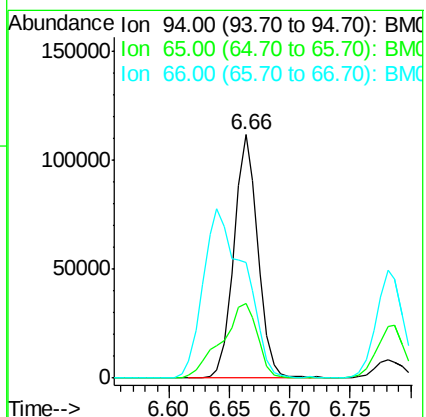
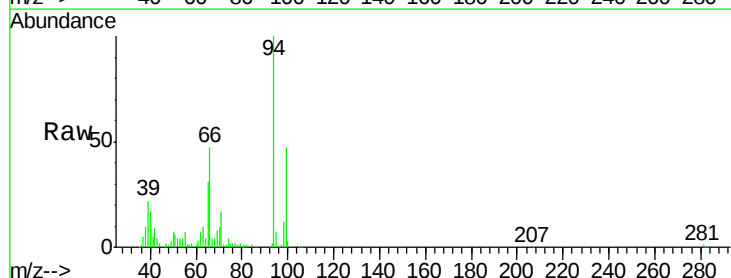
Tgt Ion: 94 Resp: 154496

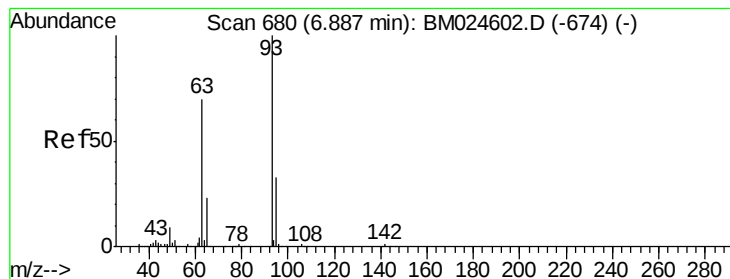
Ion Ratio Lower Upper

94 100

65 30.9 10.3 50.3

66 47.4 24.8 64.8





#11

bis(2-Chloroethyl)ether

Concen: 10.037 ng

RT: 6.89 min Scan# 680

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

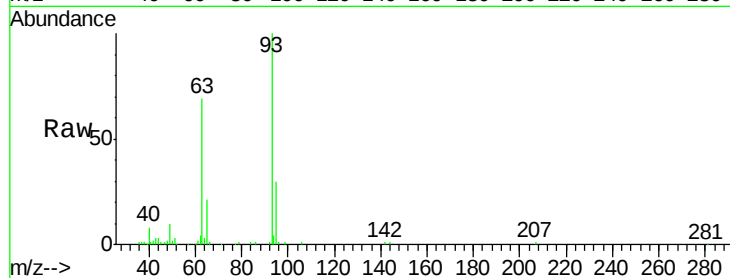
Tot Ion: 93 Resp: 125521

Ion	Ratio	Lower	Upper
93	100		
63	69.0	49.6	89.6
95	30.4	12.6	52.6

93 100

63 69.0 49.6 89.6

95 30.4 12.6 52.6

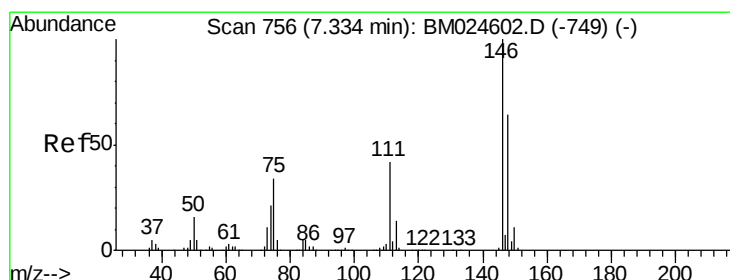
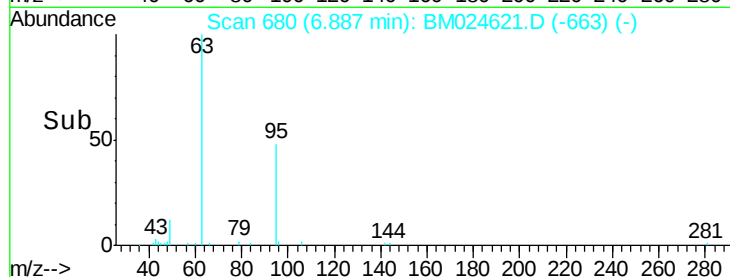
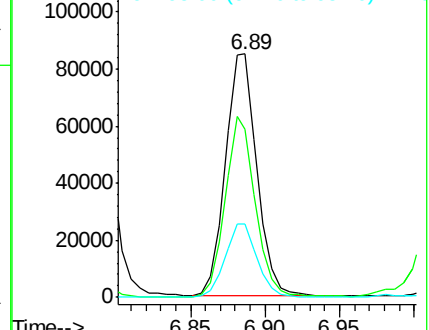


Abundance

Ion 93.00 (92.70 to 93.70): BM024602.D (-674) (-)

Ion 63.00 (62.70 to 63.70): BM024602.D (-674) (-)

Ion 95.00 (94.70 to 95.70): BM024602.D (-674) (-)



#12

1,3-Dichlorobenzene

Concen: 10.157 ng

RT: 7.33 min Scan# 756

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

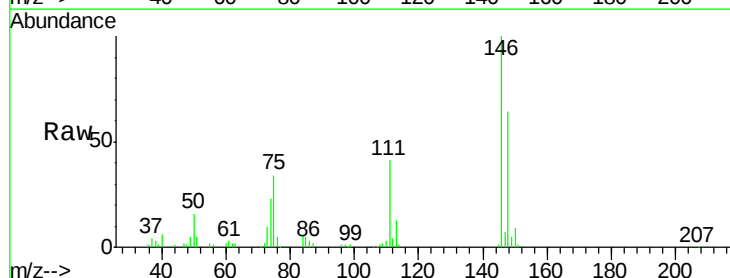
Tgt Ion: 146 Resp: 161587

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
75	34.1	27.0	40.4

146 100

148 63.6 51.0 76.6

75 34.1 27.0 40.4

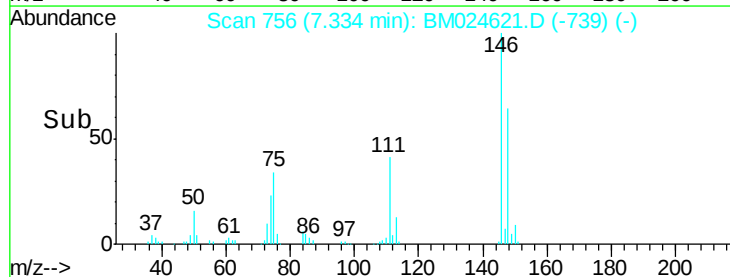
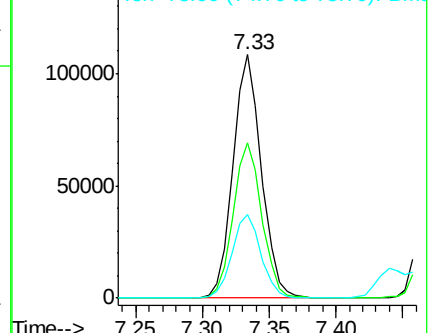


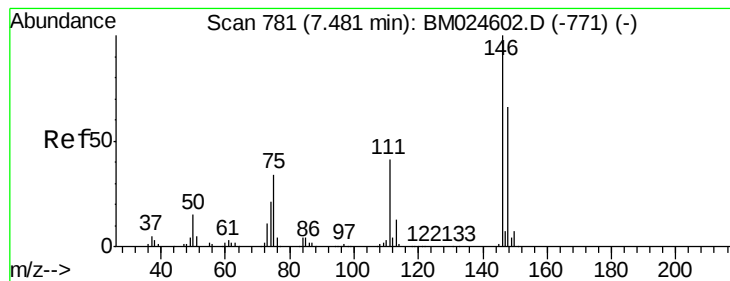
Abundance

Ion 146.00 (145.70 to 146.70): BM024602.D (-749) (-)

Ion 148.00 (147.70 to 148.70): BM024602.D (-749) (-)

Ion 75.00 (74.70 to 75.70): BM024602.D (-749) (-)





#13

1,4-Dichlorobenzene

Concen: 9.857 ng

RT: 7.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

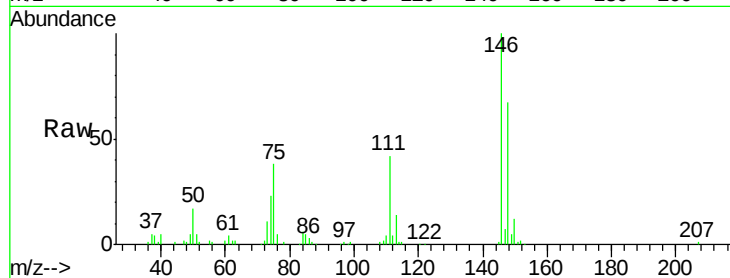
Tot Ion:146 Resp: 159083

Ion Ratio Lower Upper

146 100

148 67.3 52.5 78.7

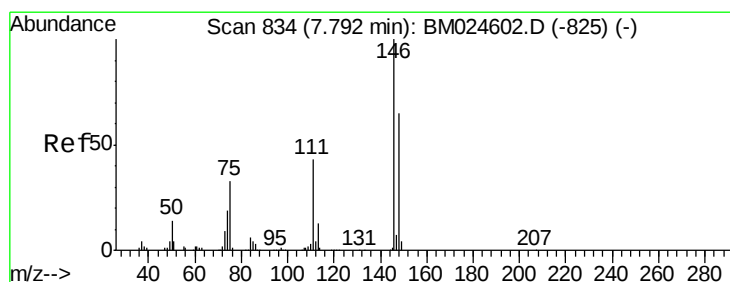
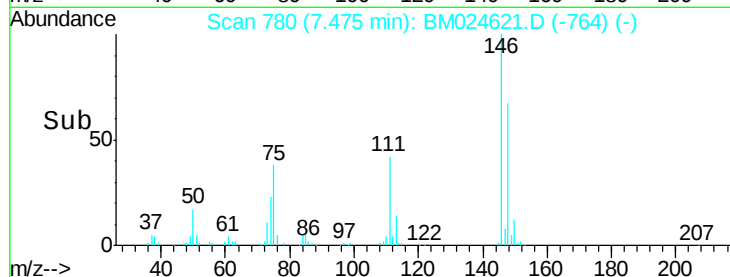
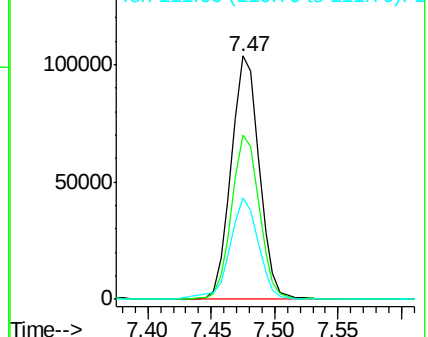
111 41.8 33.0 49.4



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: 10.048 ng

RT: 7.79 min Scan# 833

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

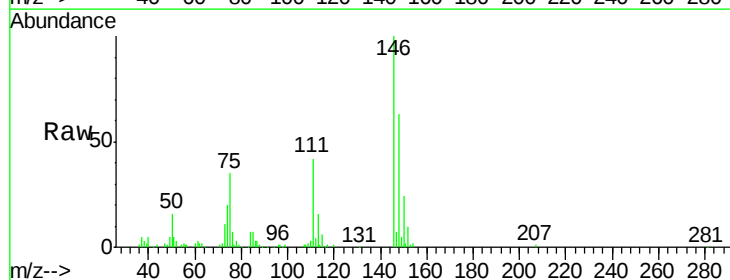
Tgt Ion:146 Resp: 156537

Ion Ratio Lower Upper

146 100

148 63.0 51.9 77.9

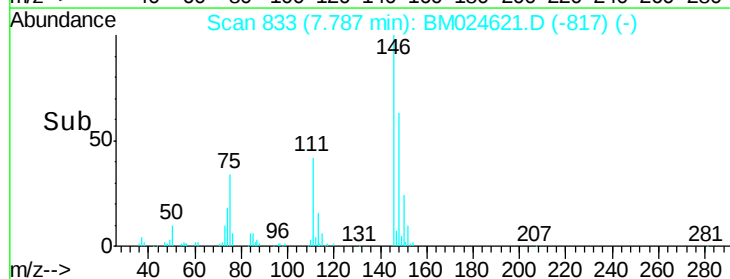
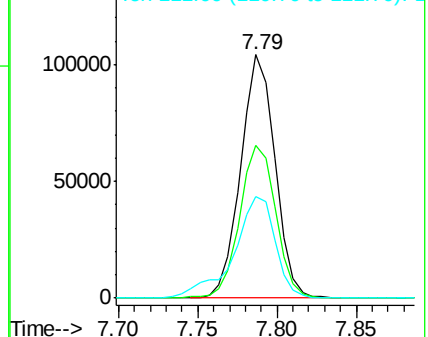
111 41.8 34.5 51.7

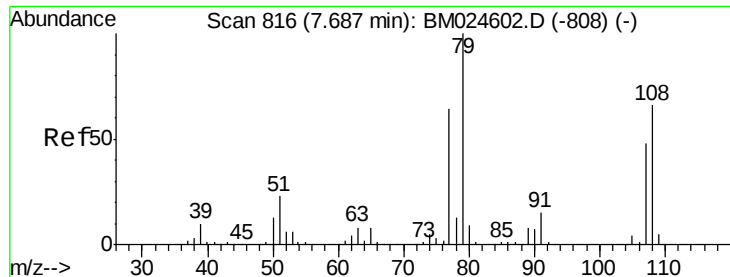


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 9.844 ng

RT: 7.68 min Scan# 815

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

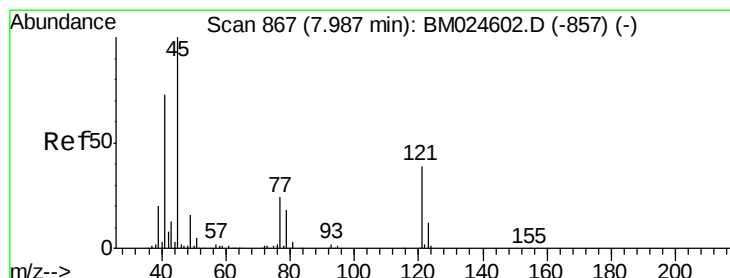
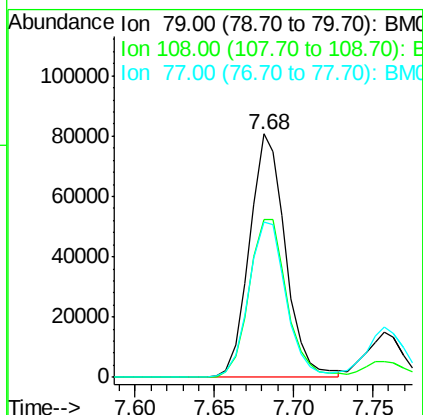
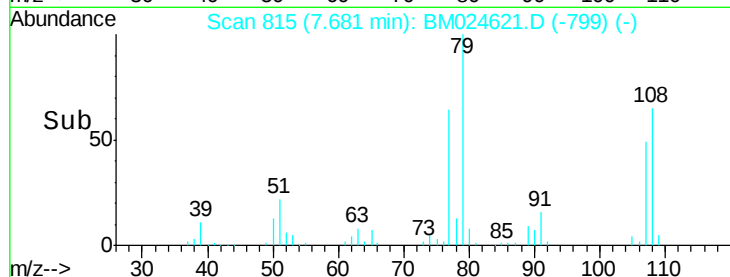
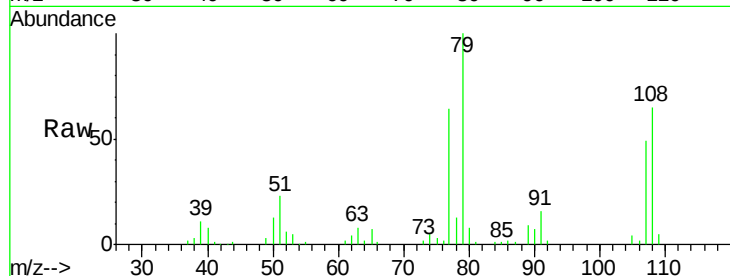
Tot Ion: 79 Resp: 127185

Ion Ratio Lower Upper

79 100

108 65.0 53.0 79.4

77 63.7 50.8 76.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.374 ng

RT: 7.97 min Scan# 865

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

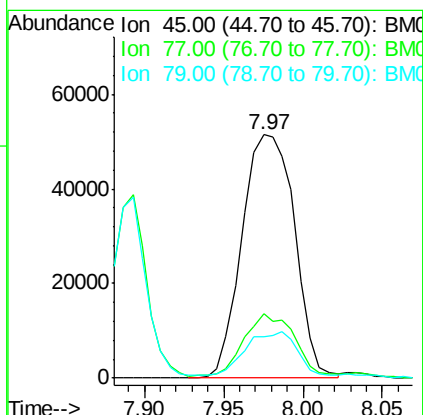
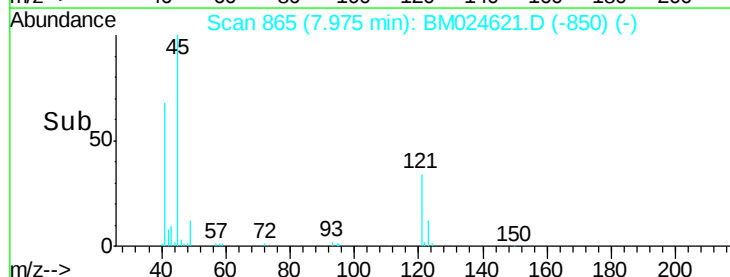
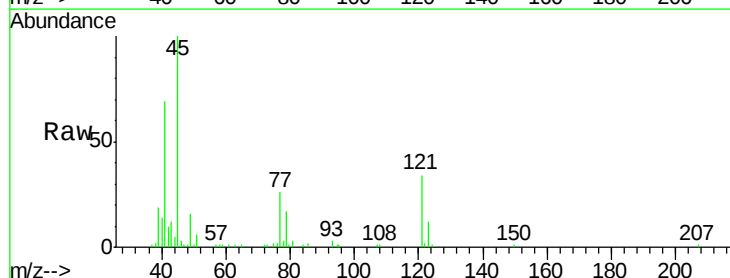
Tgt Ion: 45 Resp: 118766

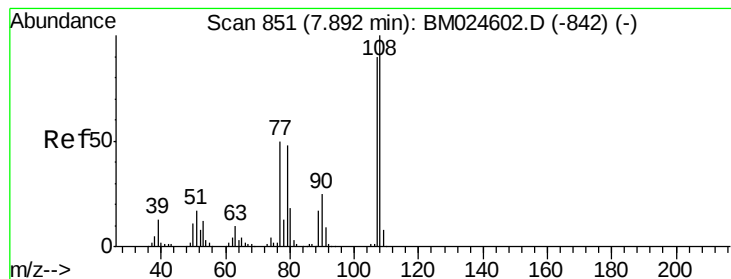
Ion Ratio Lower Upper

45 100

77 26.2 5.2 45.2

79 17.0 0.0 39.4





#17

2-Methylphenol

Concen: 9.730 ng

RT: 7.89 min Scan# 851

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:107 Resp: 107106

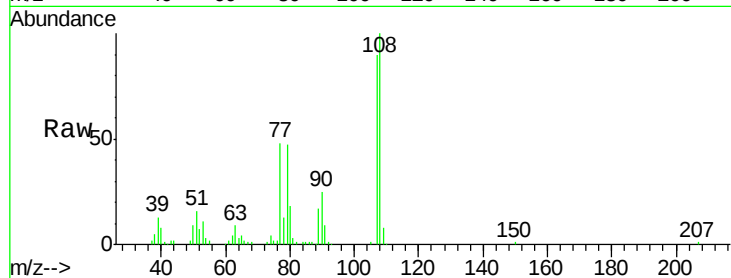
Ion Ratio Lower Upper

107 100

108 111.5 88.9 133.3

77 53.6 44.5 66.7

79 52.9 42.9 64.3

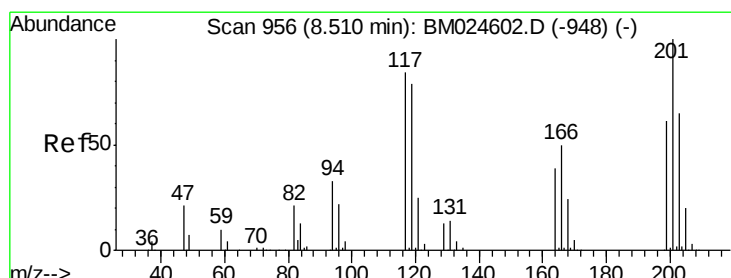
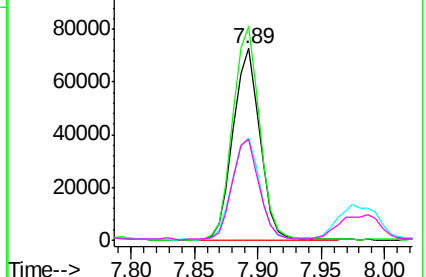
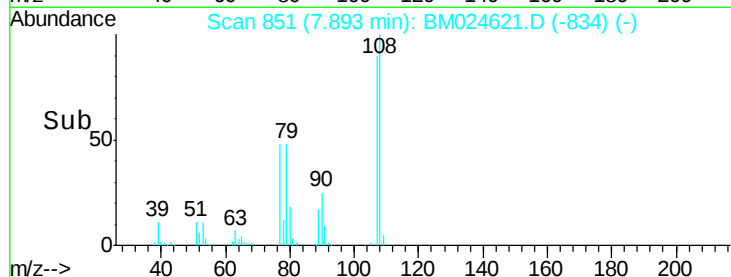


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 9.978 ng

RT: 8.50 min Scan# 955

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

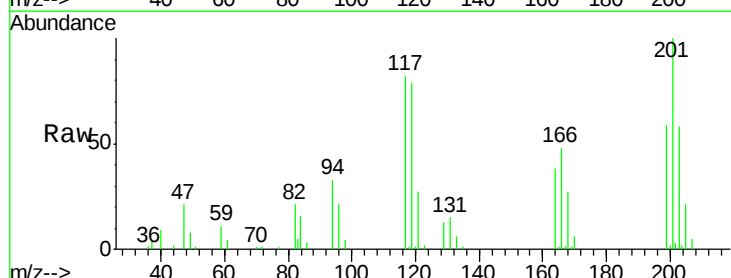
Tgt Ion:117 Resp: 62187

Ion Ratio Lower Upper

117 100

119 97.2 75.4 113.2

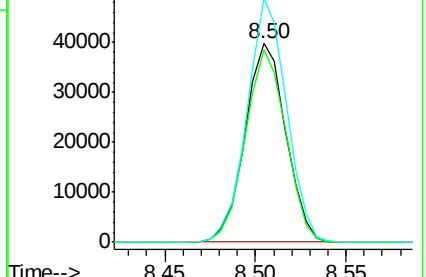
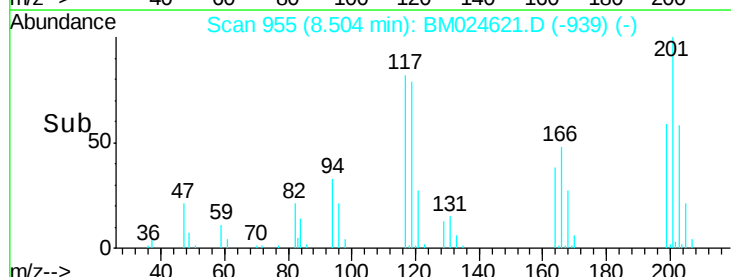
201 122.7 95.8 143.6

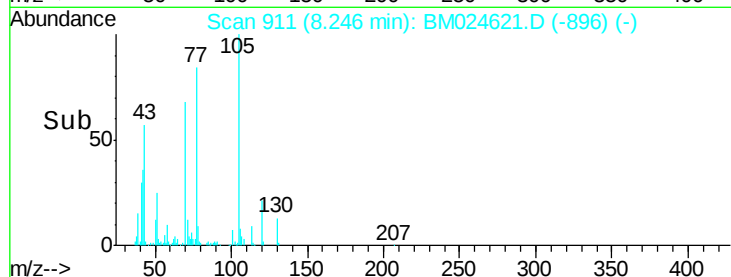
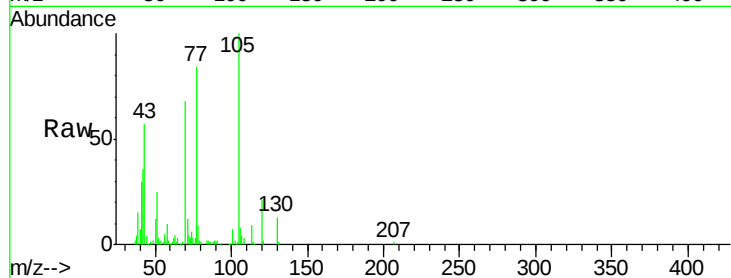
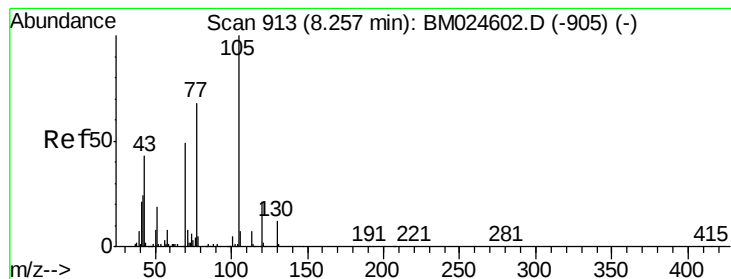


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 9.954 ng

RT: 8.25 min Scan# 911

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 70 Resp: 117116

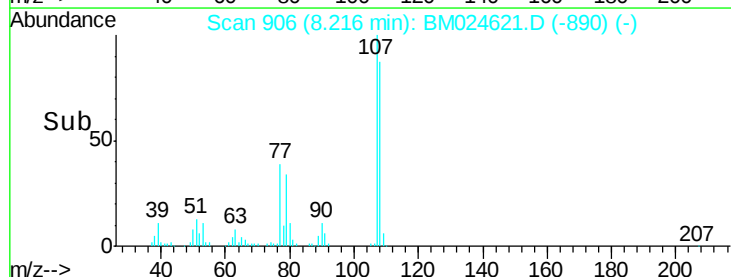
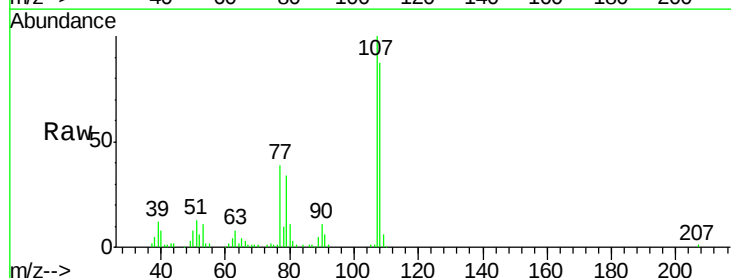
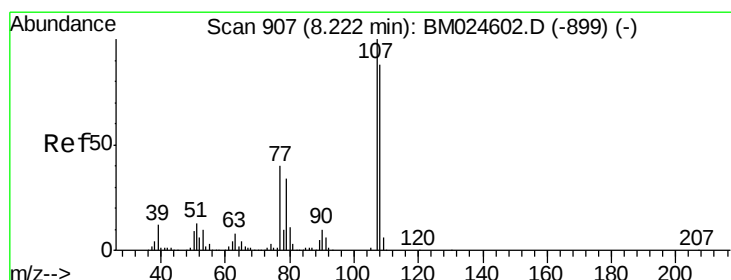
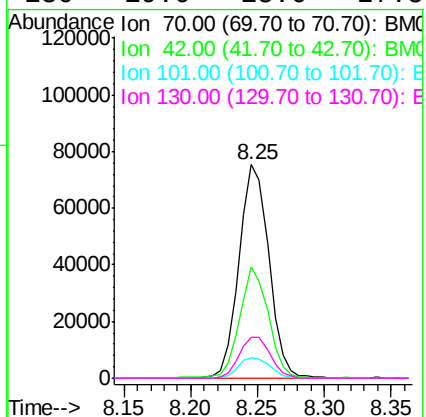
Ion Ratio Lower Upper

70 100

42 52.2 40.0 60.0

101 9.7 8.2 12.2

130 19.0 18.6 27.8



#20

3+4-Methylphenols

Concen: 9.419 ng

RT: 8.22 min Scan# 906

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Tgt Ion:107 Resp: 143523

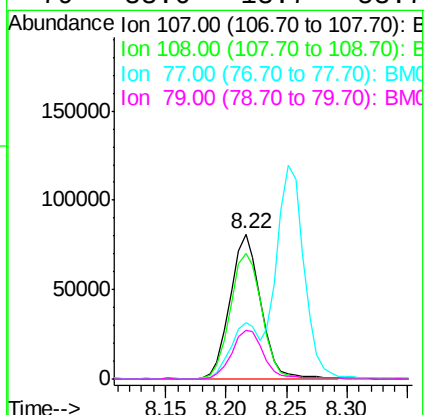
Ion Ratio Lower Upper

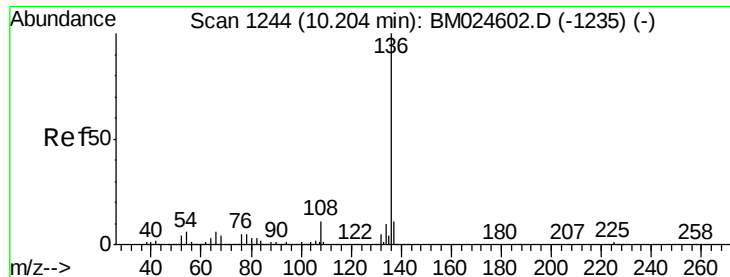
107 100

108 86.5 68.0 108.0

77 39.2 19.9 59.9

79 33.6 13.7 53.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:136 Resp: 894152

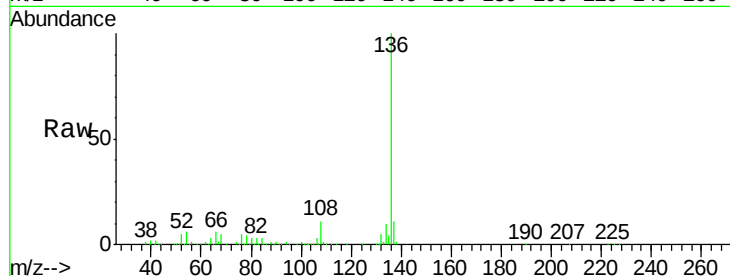
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 6.0 4.5 6.7

68 5.0 3.4 5.0

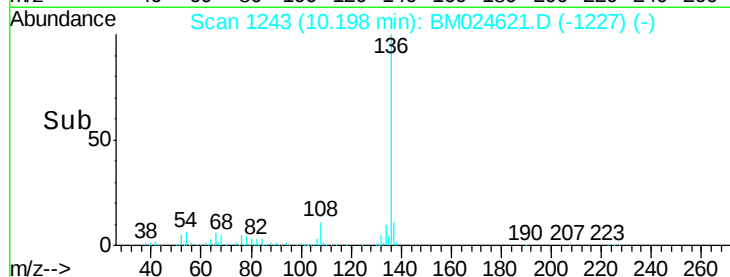


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

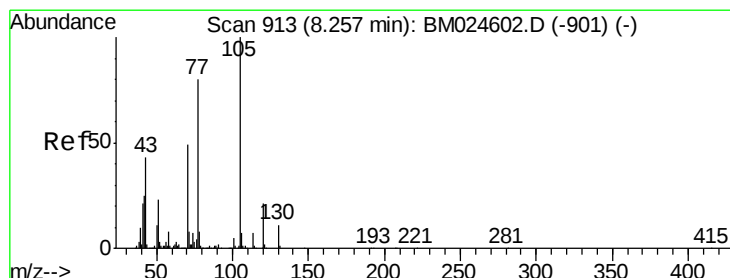
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->

10.10 10.20 10.30



#22

Acetophenone

Concen: 9.783 ng

RT: 8.25 min Scan# 912

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Tgt Ion:105 Resp: 225558

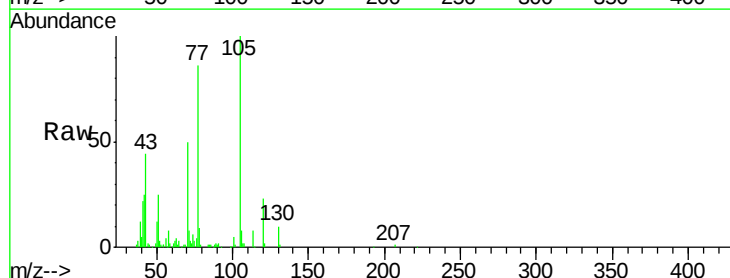
Ion Ratio Lower Upper

105 100

71 7.8 6.7 10.1

51 25.0 18.5 27.7

120 23.1 16.6 25.0

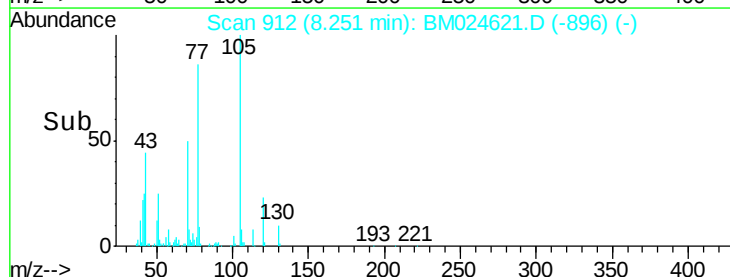


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

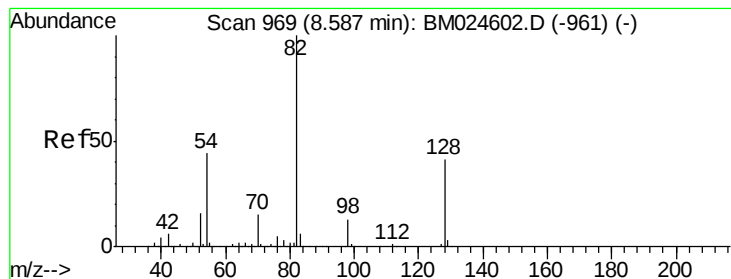
Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E



Time-->

8.20 8.25 8.30



#23

Nitrobenzene-d5

Concen: 72.767 ng

RT: 8.58 min Scan# 968

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

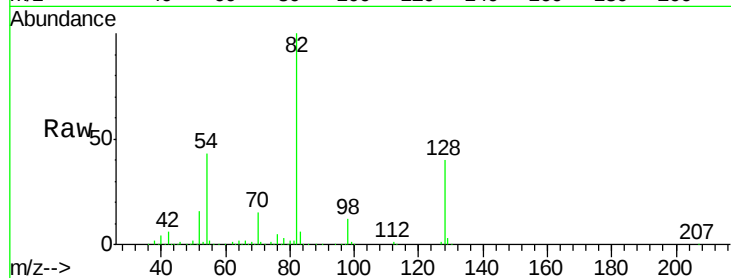
Tot Ion: 82 Resp: 1326729

Ion Ratio Lower Upper

82 100

128 40.5 32.6 48.8

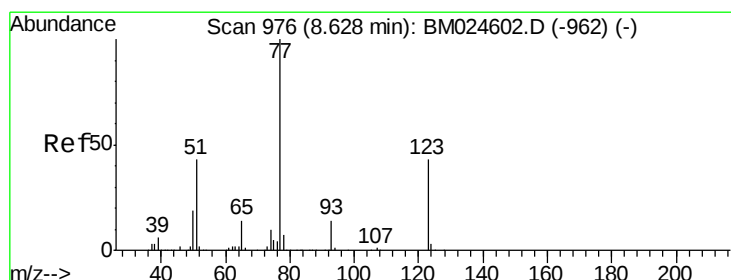
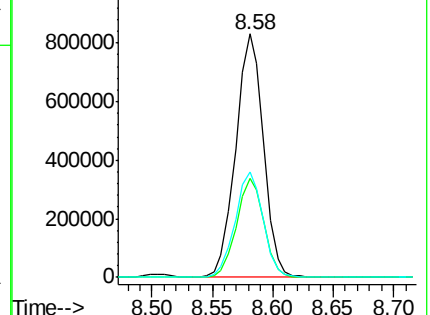
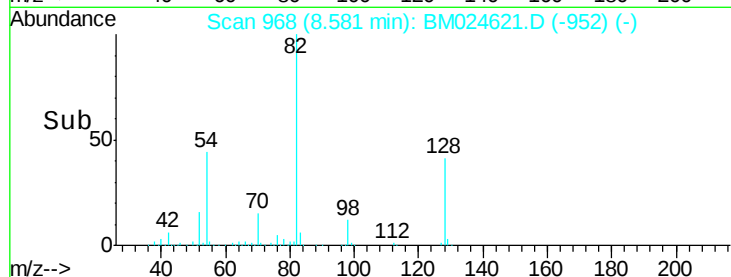
54 43.5 34.8 52.2



Abundance Ion 82.00 (81.70 to 82.70): BM024621.D (-952) (-)

Ion 128.00 (127.70 to 128.70): BM024621.D (-952) (-)

Ion 54.00 (53.70 to 54.70): BM024621.D (-952) (-)



#24

Nitrobenzene

Concen: 10.258 ng

RT: 8.62 min Scan# 975

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

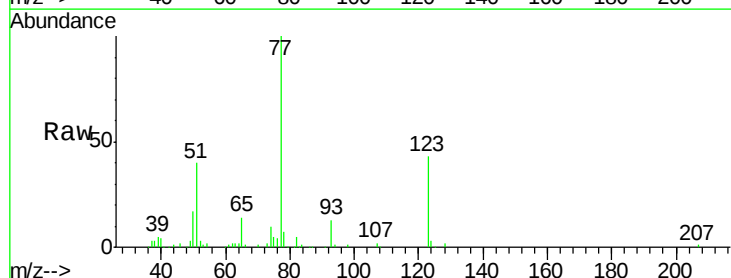
Tgt Ion: 77 Resp: 179224

Ion Ratio Lower Upper

77 100

123 42.5 34.6 52.0

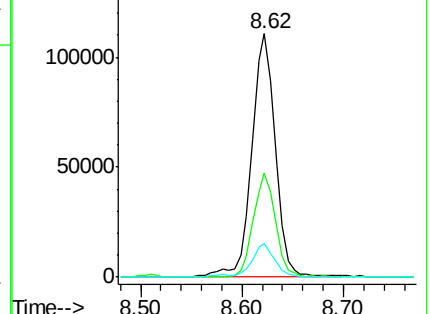
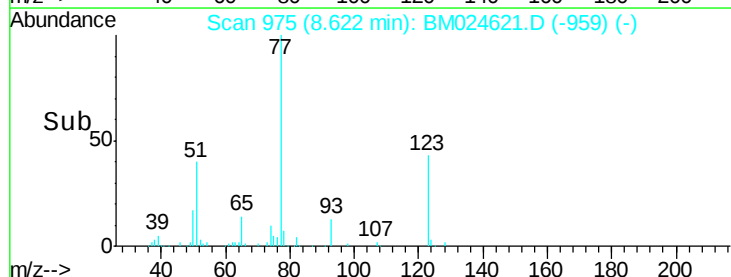
65 13.7 11.0 16.4

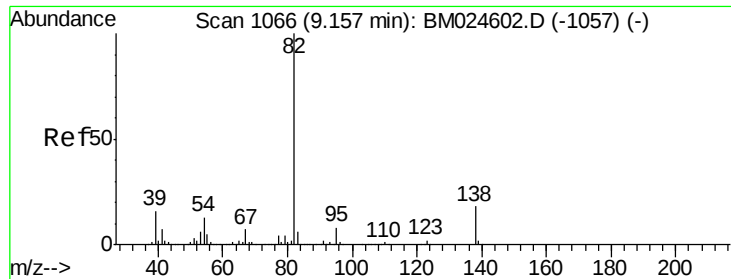


Abundance Ion 77.00 (76.70 to 77.70): BM024621.D (-959) (-)

Ion 123.00 (122.70 to 123.70): BM024621.D (-959) (-)

Ion 65.00 (64.70 to 65.70): BM024621.D (-959) (-)





#25

Isophorone

Concen: 9.694 ng

RT: 9.15 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

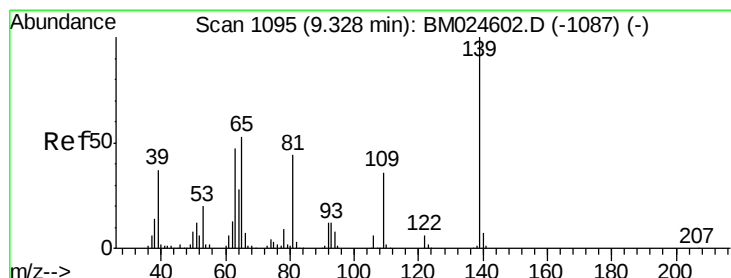
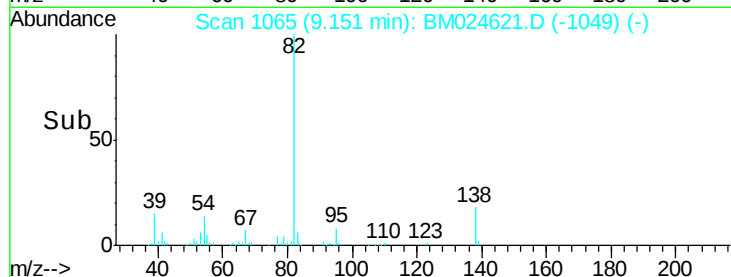
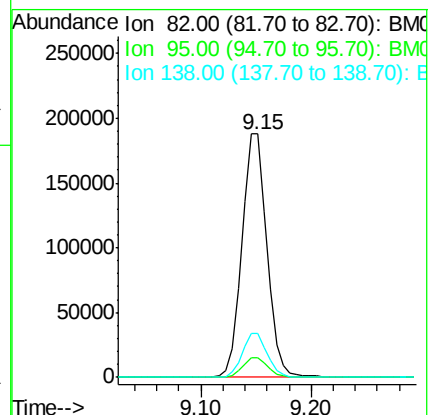
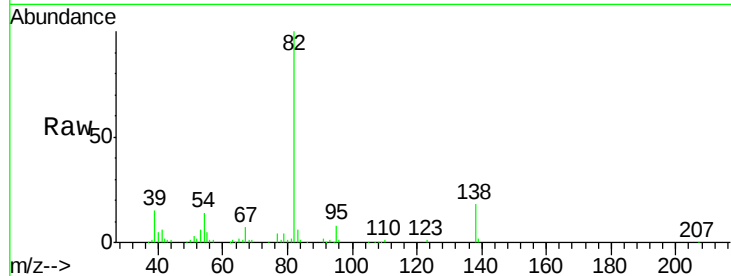
Tot Ion: 82 Resp: 300321

Ion Ratio Lower Upper

82 100

95 7.9 6.7 10.1

138 17.9 14.7 22.1



#26

2-Nitrophenol

Concen: 8.482 ng

RT: 9.33 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

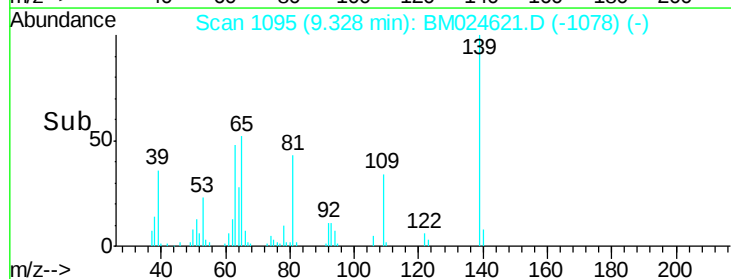
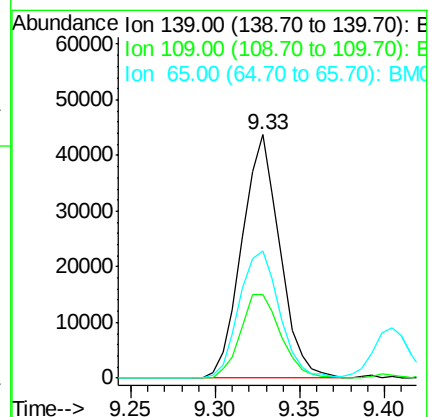
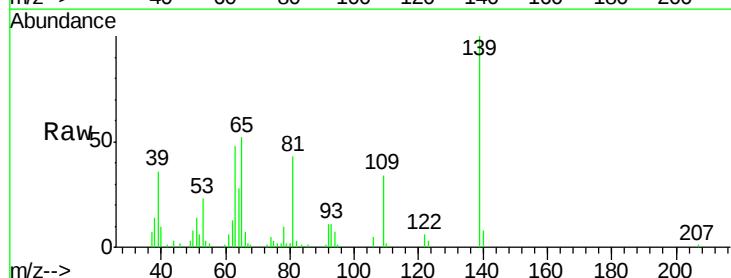
Tgt Ion: 139 Resp: 68620

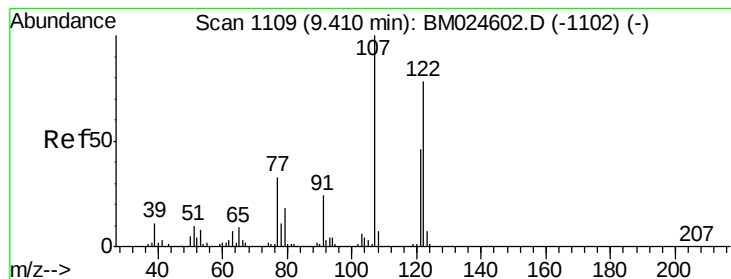
Ion Ratio Lower Upper

139 100

109 34.4 28.8 43.2

65 52.4 42.6 63.8





#27

2,4-Dimethylphenol

Concen: 9.258 ng

RT: 9.40 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

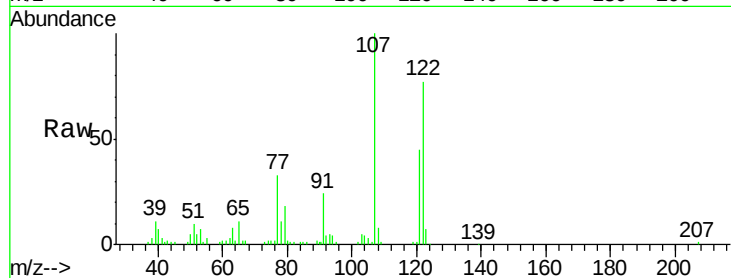
Tot Ion:122 Resp: 101778

Ion Ratio Lower Upper

122 100

107 129.9 102.5 153.7

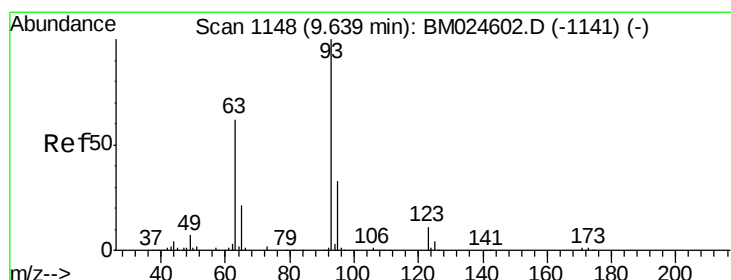
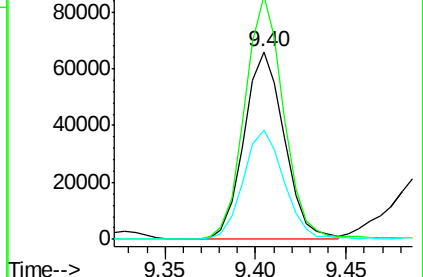
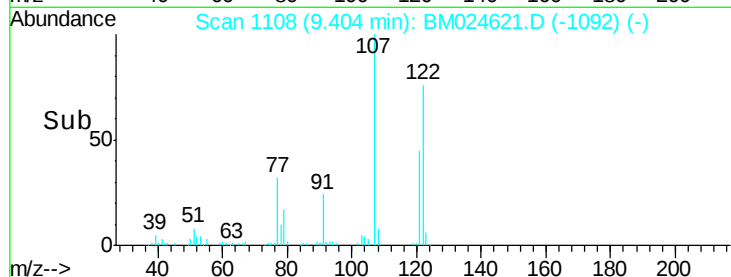
121 58.5 47.0 70.4



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: 9.807 ng

RT: 9.64 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

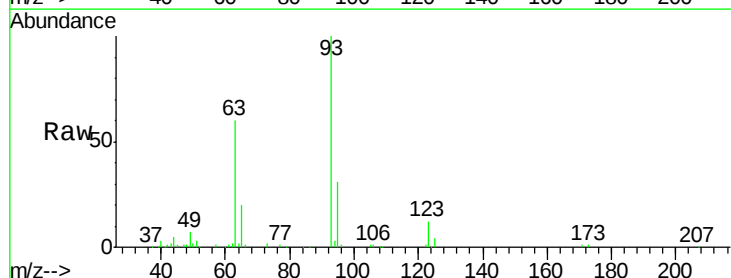
Tgt Ion: 93 Resp: 185593

Ion Ratio Lower Upper

93 100

95 30.8 26.1 39.1

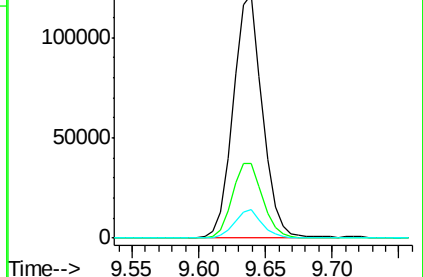
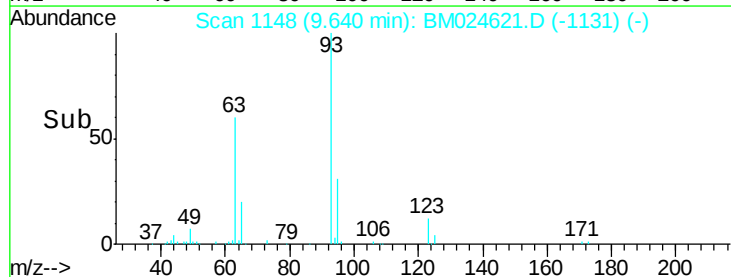
123 11.7 8.7 13.1

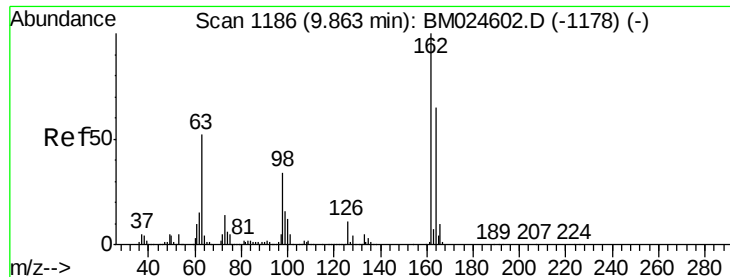


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

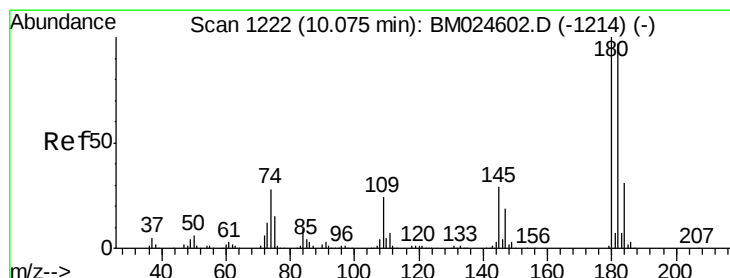
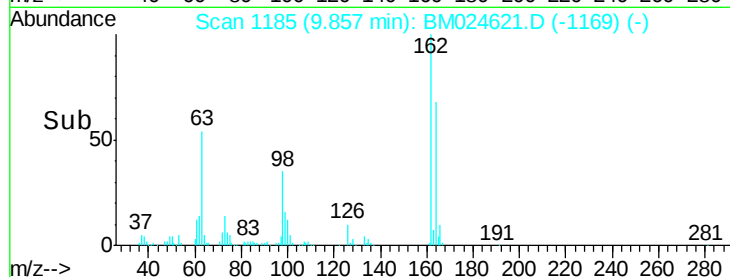
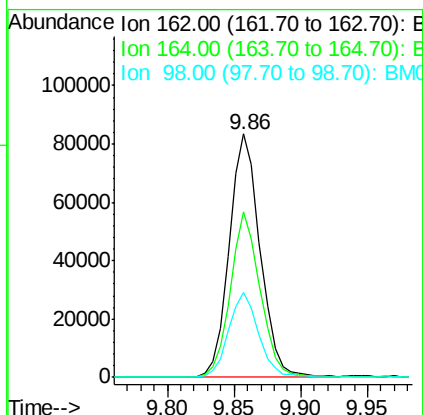
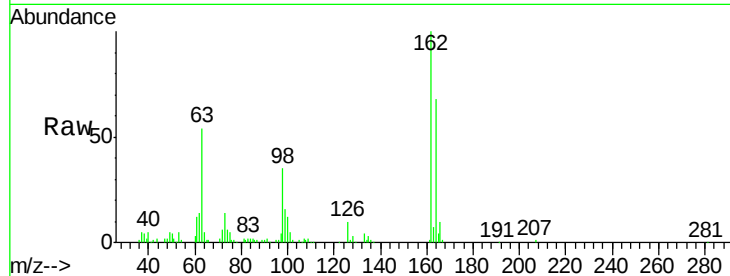




#29
 2,4-Dichlorophenol
 Concen: 9.062 ng
 RT: 9.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

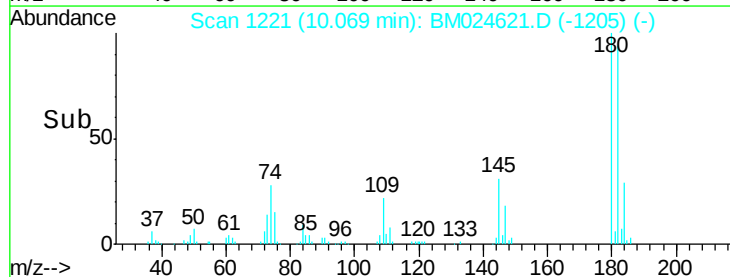
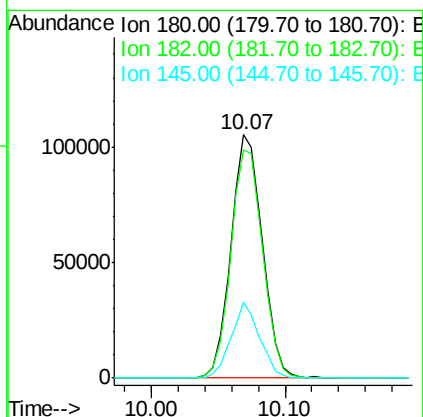
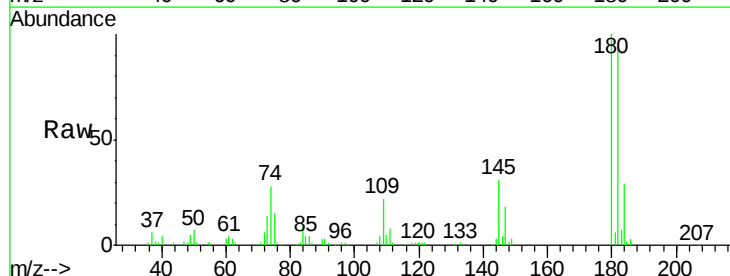
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

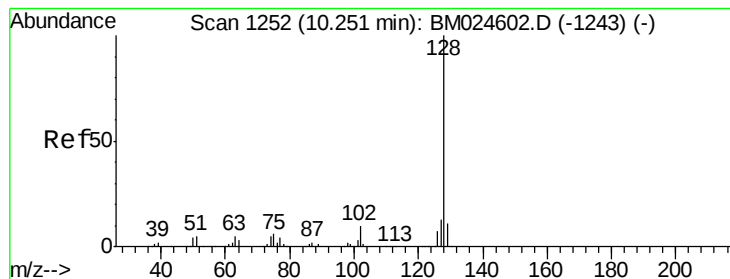
Tot Ion	Ratio	Lower	Upper
162	100		
164	67.8	44.5	84.5
98	35.0	14.2	54.2



#30
 1,2,4-Trichlorobenzene
 Concen: 9.613 ng
 RT: 10.07 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.8	116.6
145	31.3	22.9	34.3





#31

Naphthalene

Concen: 9.607 ng

RT: 10.25 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

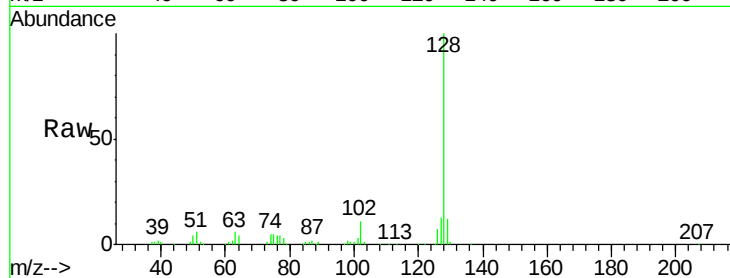
Tot Ion:128 Resp: 433864

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

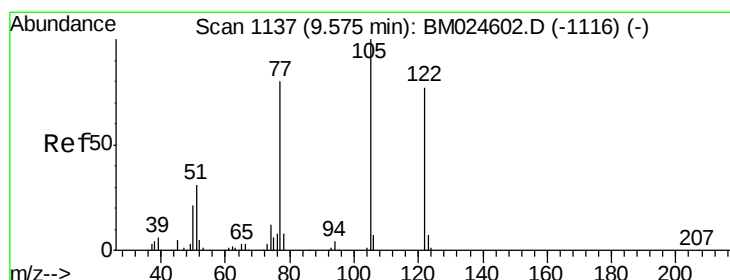
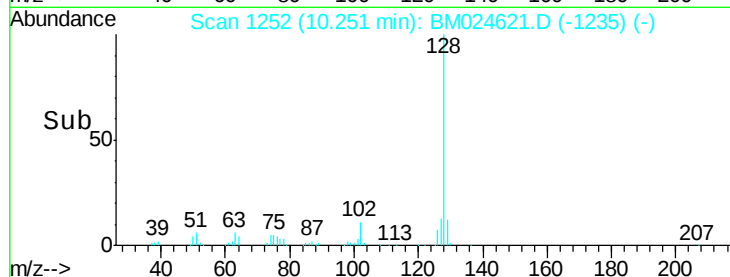
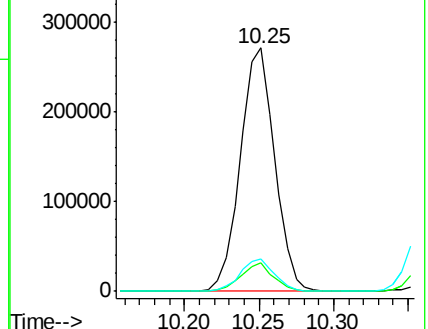
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.673 ng

RT: 9.50 min Scan# 1125

Delta R.T. -0.07 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

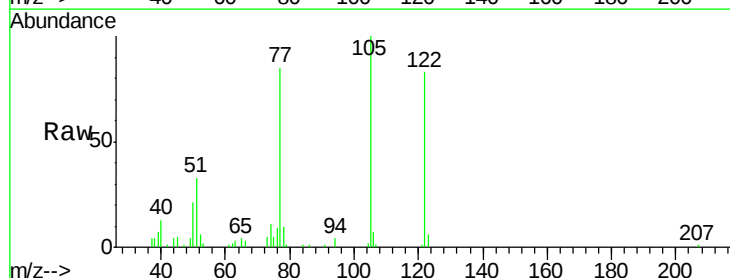
Tgt Ion:122 Resp: 57052

Ion Ratio Lower Upper

122 100

105 121.0 107.7 147.7

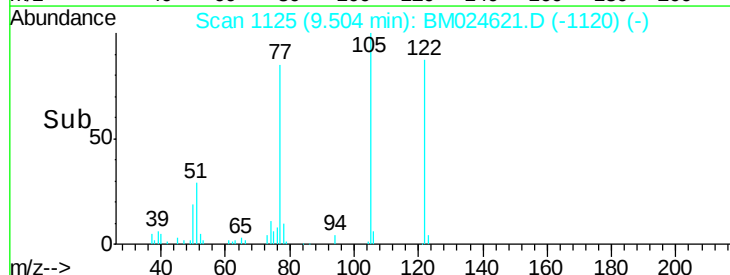
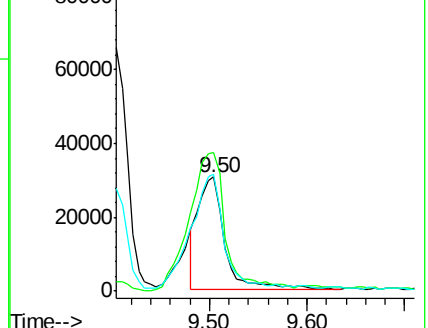
77 102.5 83.8 123.8

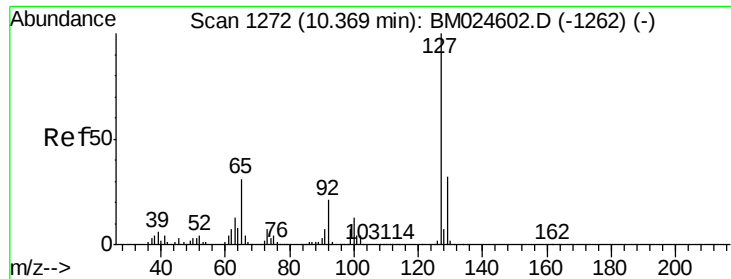


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

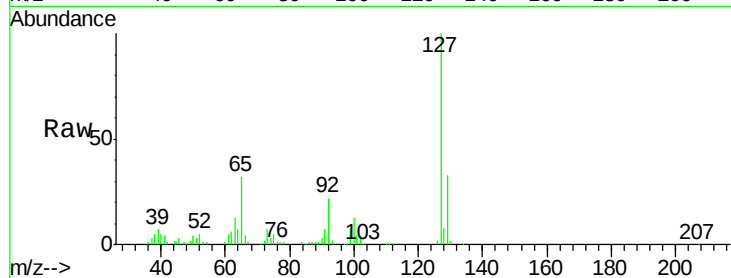




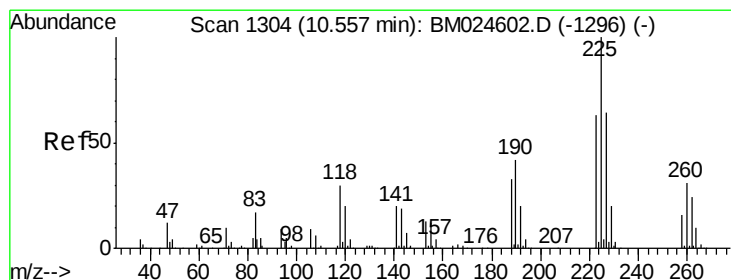
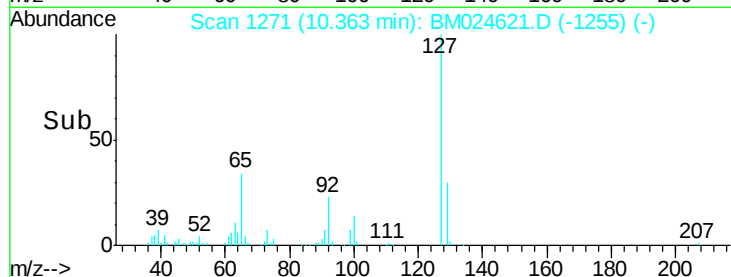
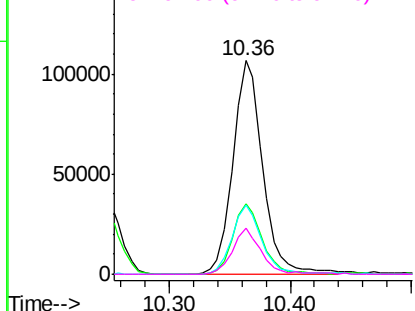
#33
4-Chloroaniline
Concen: 9.284 ng
RT: 10.36 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:	127	Resp:	183781
Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.9	38.9
65	32.2	25.1	37.7
92	21.9	16.6	25.0

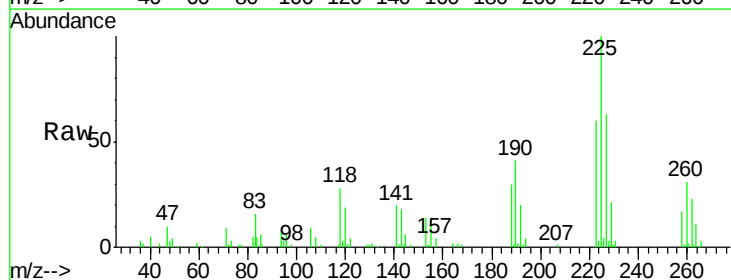


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

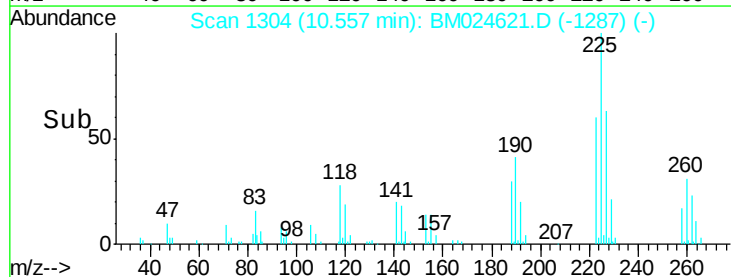
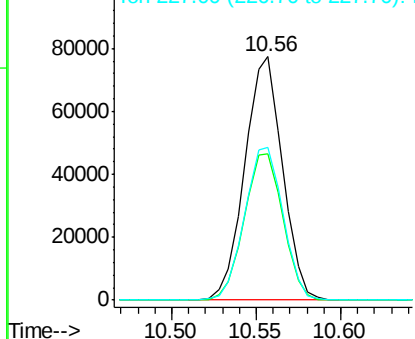


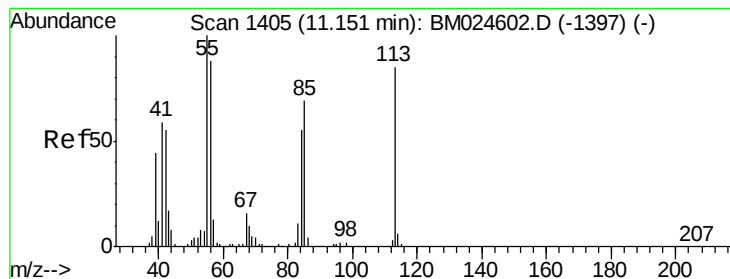
#34
Hexachlorobutadiene
Concen: 9.691 ng
RT: 10.56 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Tgt Ion:	225	Resp:	120014
Ion	Ratio	Lower	Upper
225	100		
223	60.3	50.7	76.1
227	62.7	51.4	77.0



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: 8.926 ng

RT: 11.13 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

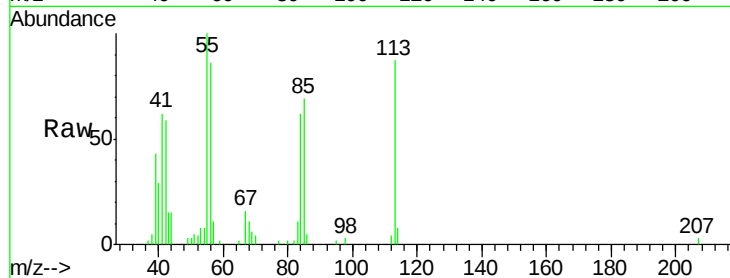
Tot Ion:113 Resp: 42534

Ion Ratio Lower Upper

113 100

55 114.4 97.5 137.5

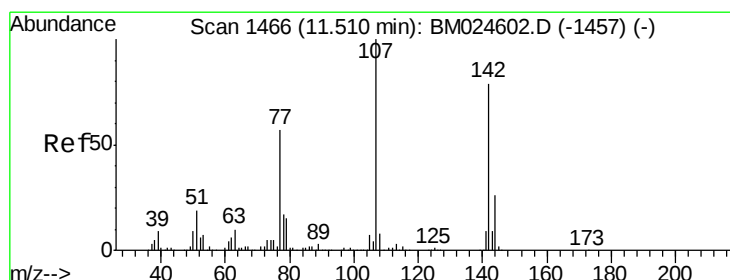
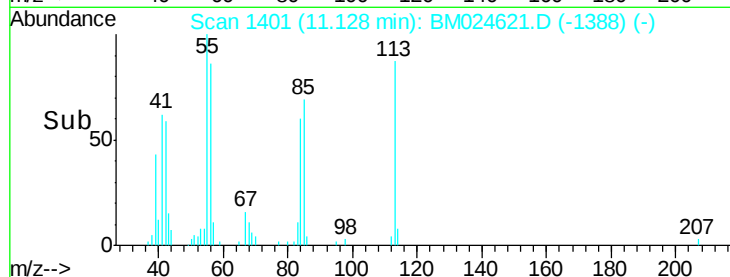
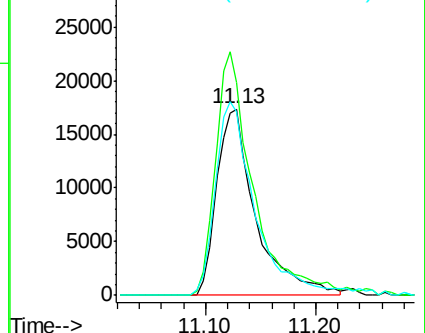
56 98.2 83.4 123.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 9.048 ng

RT: 11.50 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

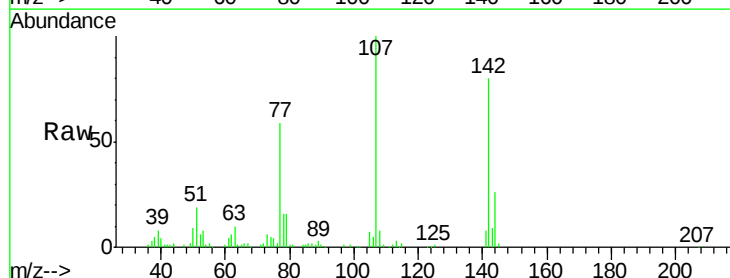
Tgt Ion:107 Resp: 142913

Ion Ratio Lower Upper

107 100

144 26.0 20.5 30.7

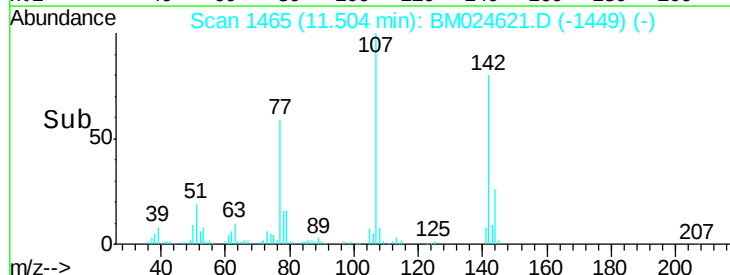
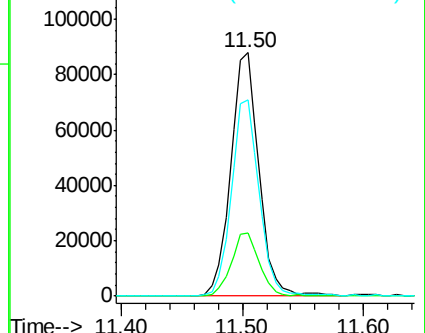
142 80.4 62.8 94.2

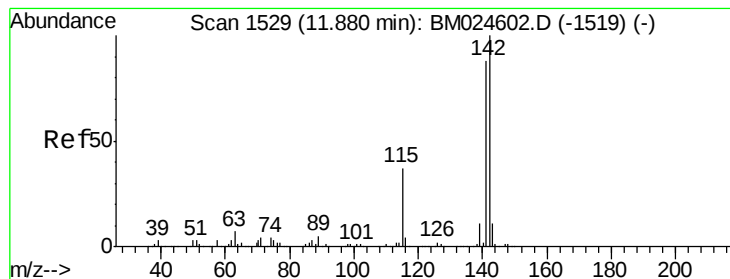


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 9.418 ng

RT: 11.87 min Scan# 1528

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

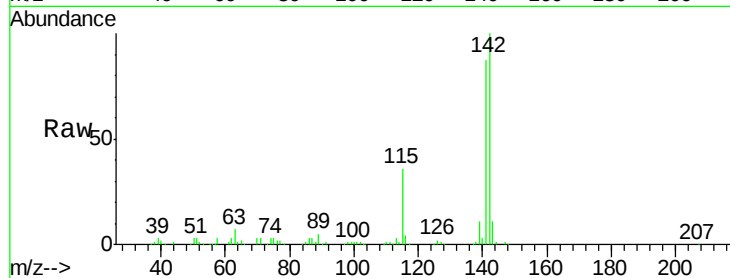
Tot Ion:142 Resp: 328244

Ion Ratio Lower Upper

142 100

141 87.2 70.2 105.2

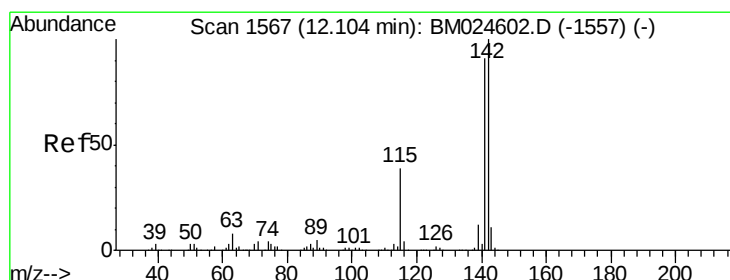
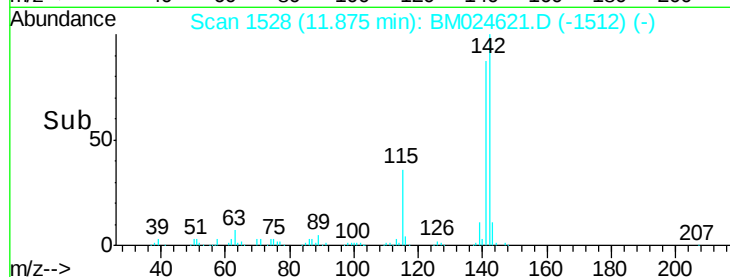
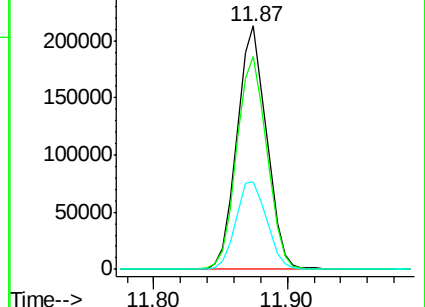
115 36.1 29.7 44.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 9.586 ng

RT: 12.10 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

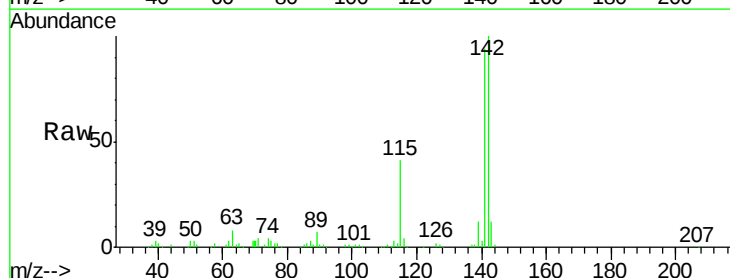
Tgt Ion:142 Resp: 317789

Ion Ratio Lower Upper

142 100

141 94.2 72.8 109.2

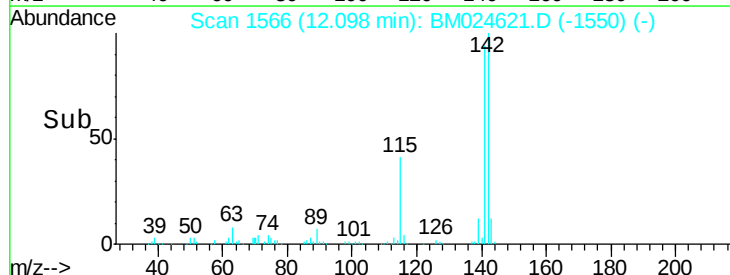
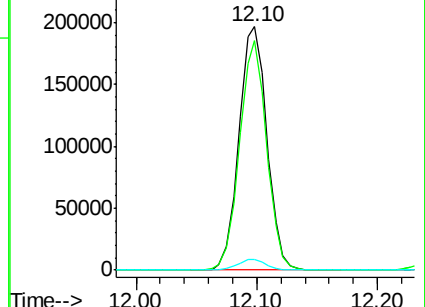
116 4.2 3.2 4.8

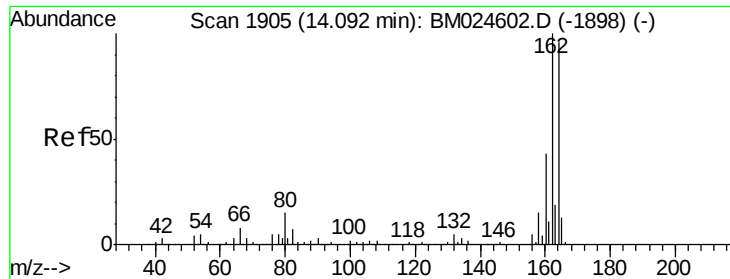


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.09 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

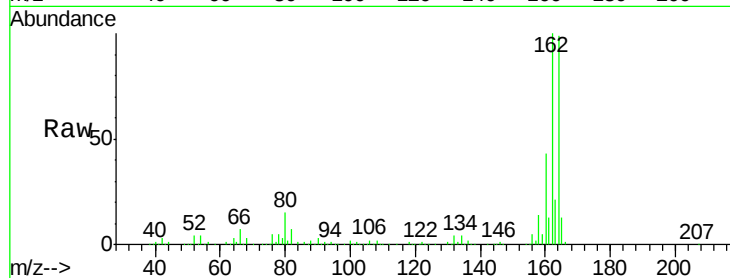
Tot Ion:164 Resp: 635176

Ion Ratio Lower Upper

164 100

162 100.9 82.9 124.3

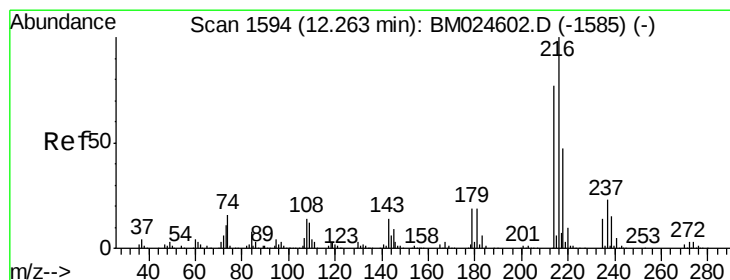
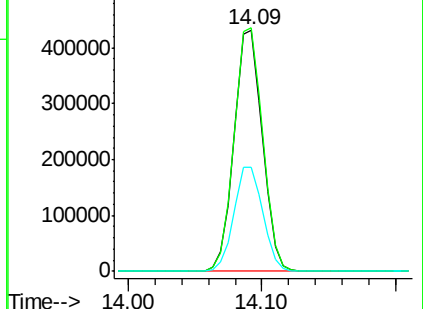
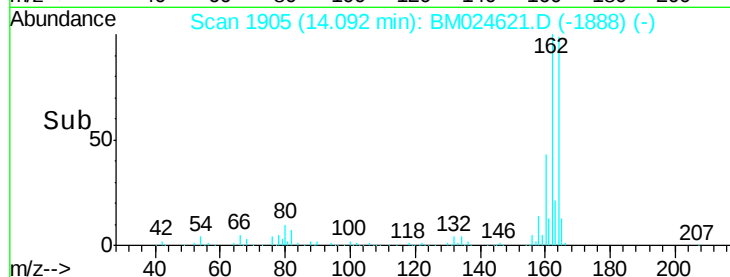
160 43.2 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.451 ng

RT: 12.26 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Tgt Ion:216 Resp: 214240

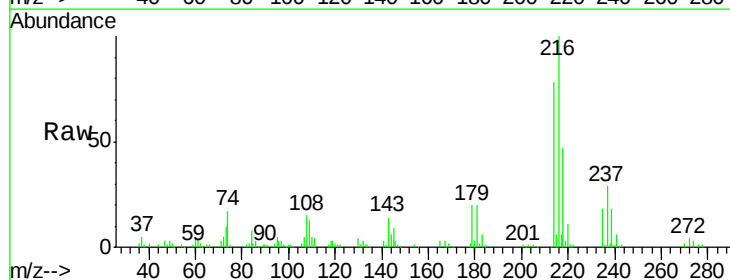
Ion Ratio Lower Upper

216 100

214 78.6 62.3 93.5

179 19.6 16.1 24.1

108 15.7 13.0 19.6

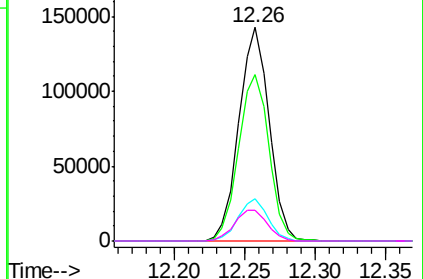
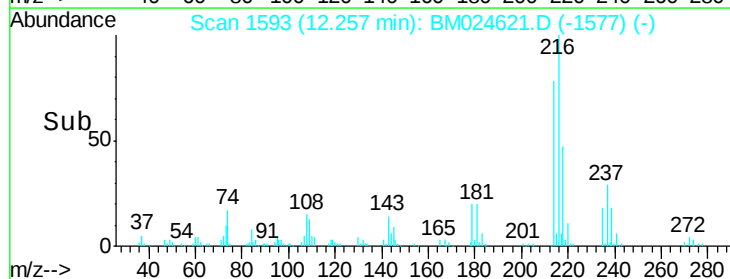


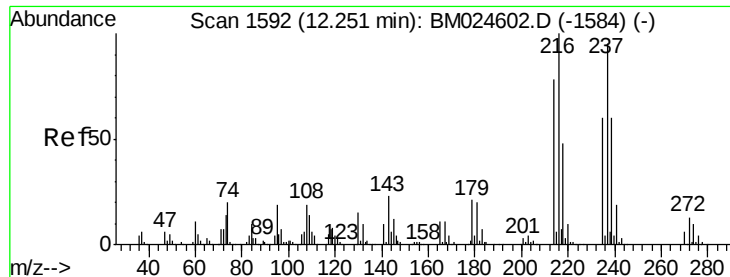
Abundance Ion 216.00 (215.70 to 216.70): E

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: 8.935 ng

RT: 12.25 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

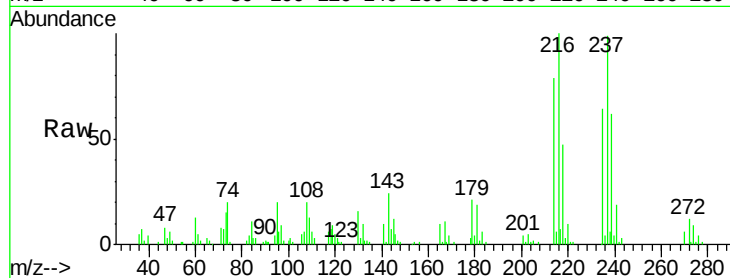
Tot Ion:237 Resp: 113528

Ion Ratio Lower Upper

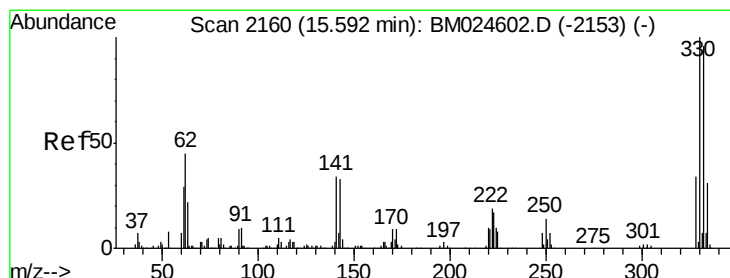
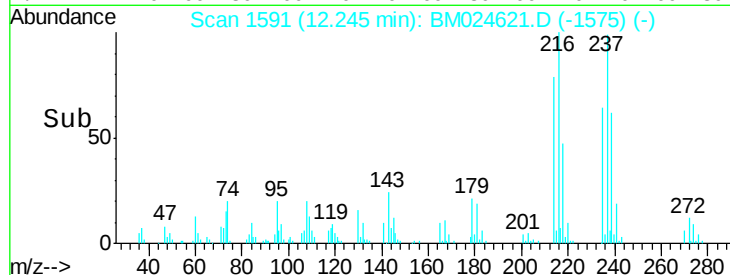
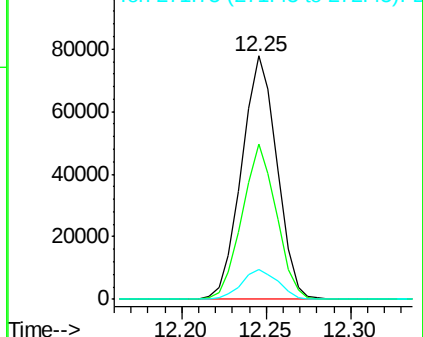
237 100

235 63.9 43.3 83.3

272 12.0 0.0 33.4



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: 125.737 ng

RT: 15.59 min Scan# 2160

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

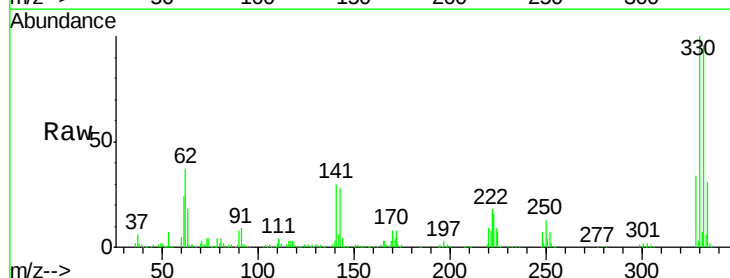
Tgt Ion:330 Resp: 1299125

Ion Ratio Lower Upper

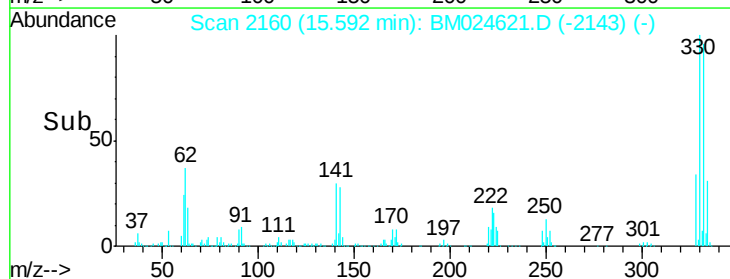
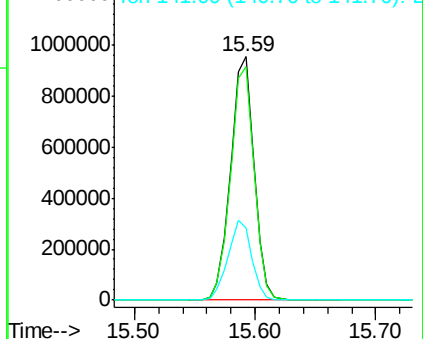
330 100

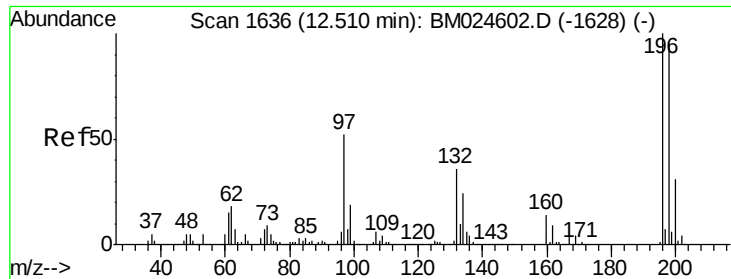
332 96.7 77.2 115.8

141 32.9 26.9 40.3



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

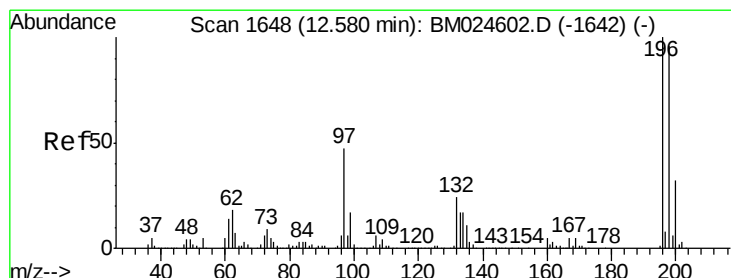
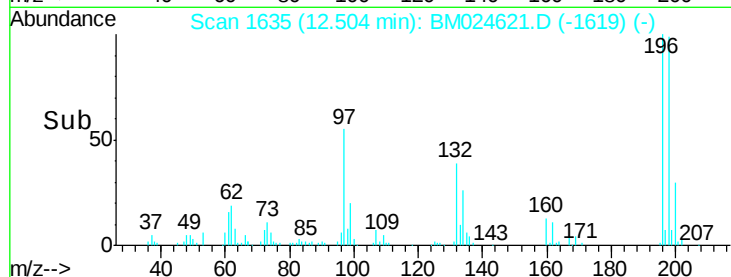
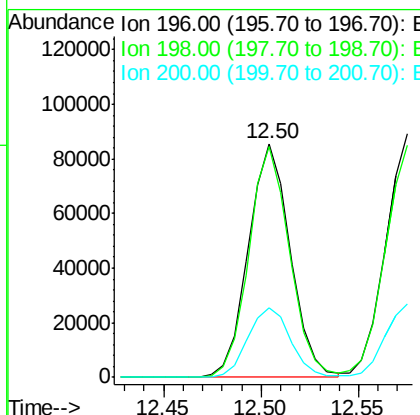
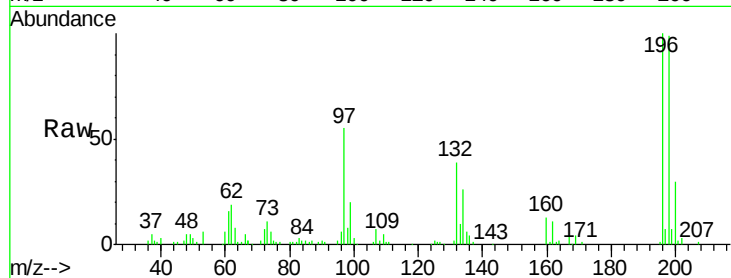




#43
 2,4,6-Trichlorophenol
 Concen: 8.780 ng
 RT: 12.50 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

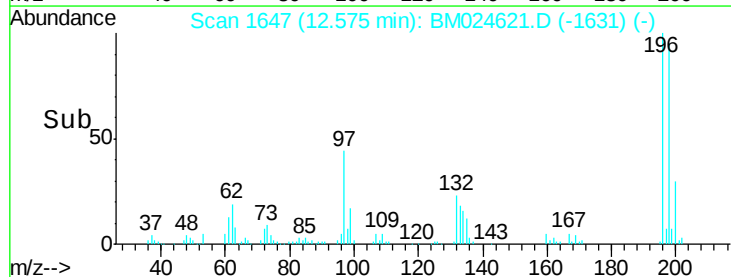
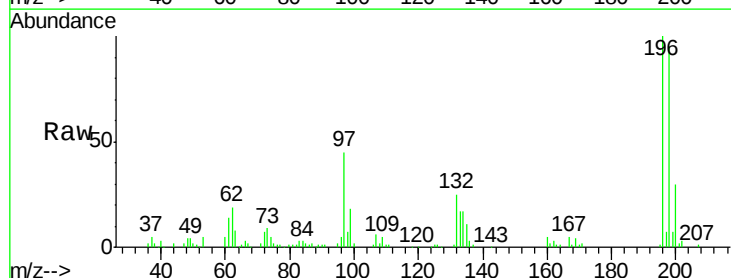
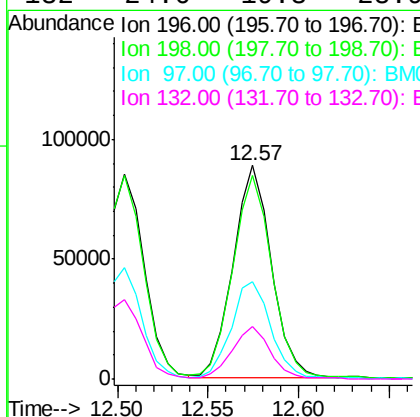
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

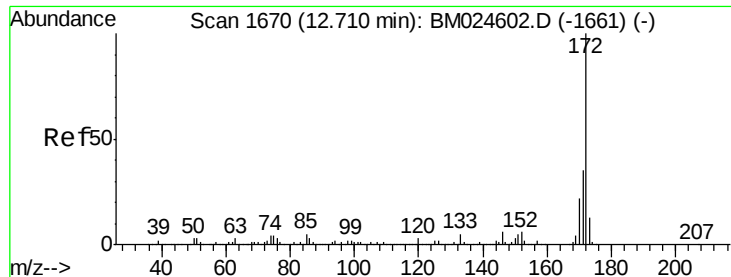
Tot Ion:196 Resp: 126663
 Ion Ratio Lower Upper
 196 100
 198 99.0 76.5 114.7
 200 29.6 25.0 37.6



#44
 2,4,5-Trichlorophenol
 Concen: 8.764 ng
 RT: 12.57 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

Tgt Ion:196 Resp: 129112
 Ion Ratio Lower Upper
 196 100
 198 95.4 77.2 115.8
 97 45.5 37.4 56.0
 132 24.6 19.3 28.9

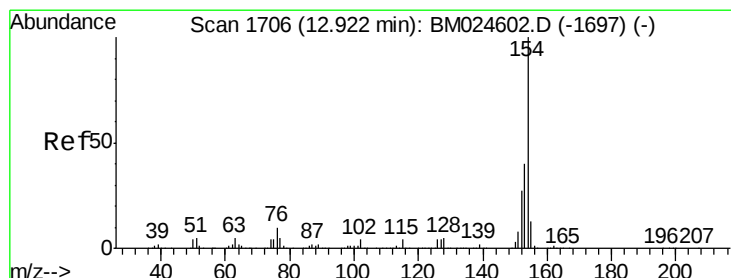
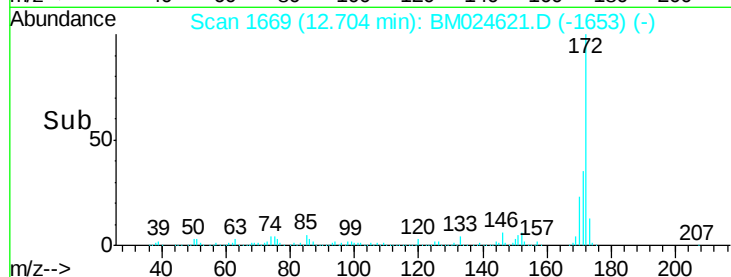
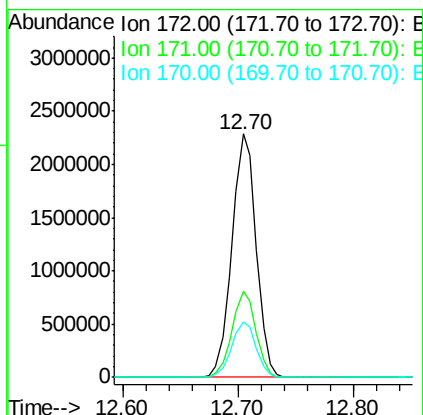
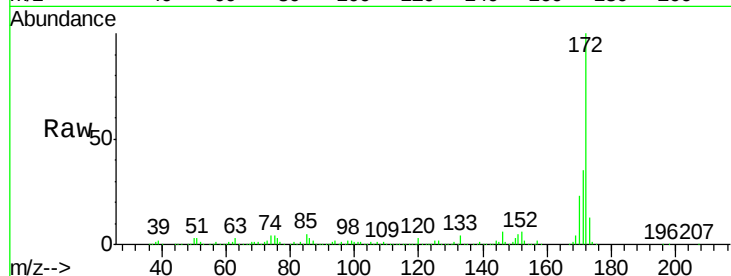




#45
2-Fluorobiphenyl
Concen: 71.001 ng
RT: 12.70 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

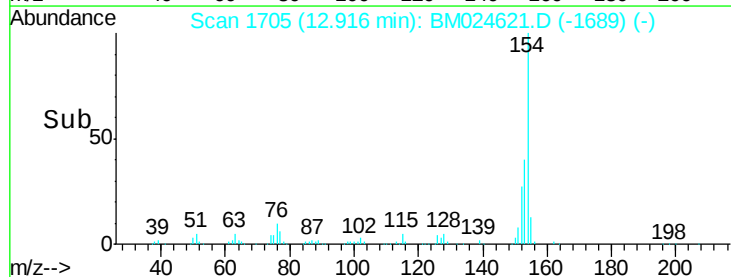
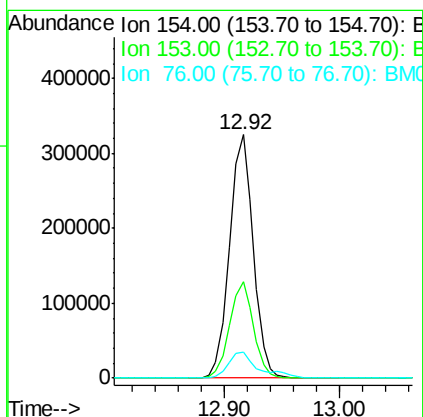
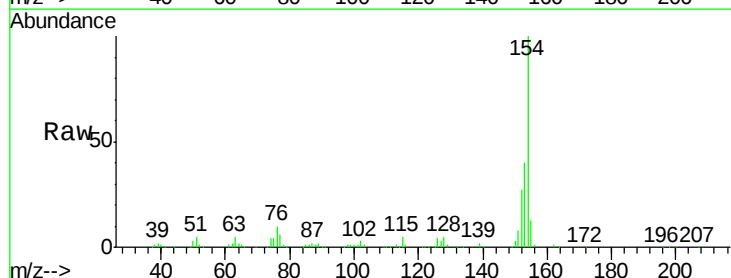
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2019

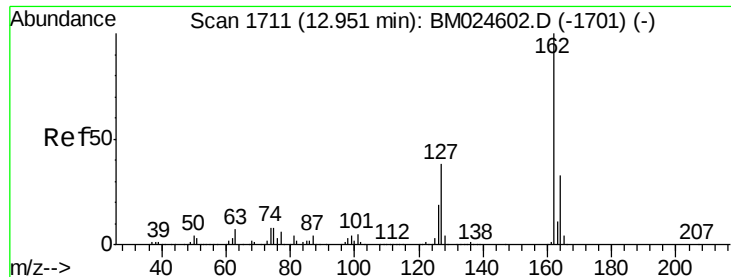
Tot Ion:172 Resp: 3317248
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.6 17.9 26.9



#46
1,1'-Biphenyl
Concen: 9.597 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Tgt Ion:154 Resp: 461295
Ion Ratio Lower Upper
154 100
153 39.7 20.3 60.3
76 10.5 0.0 30.5

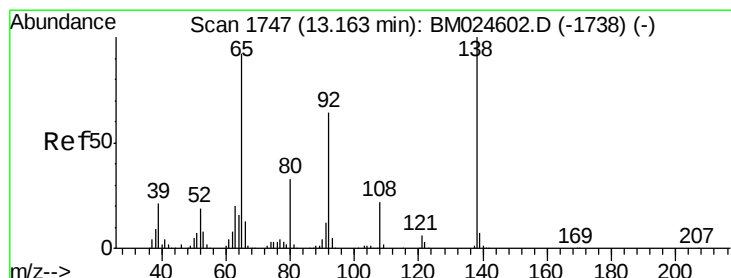
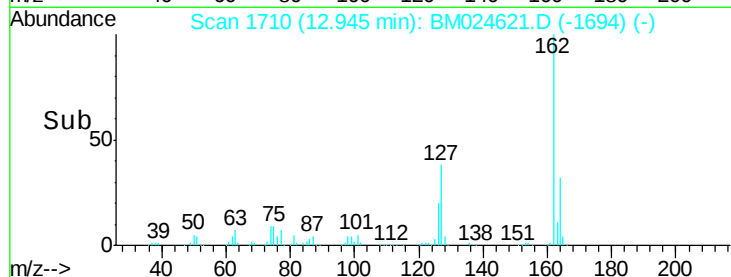
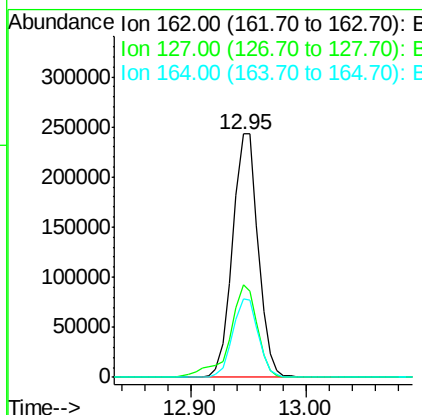
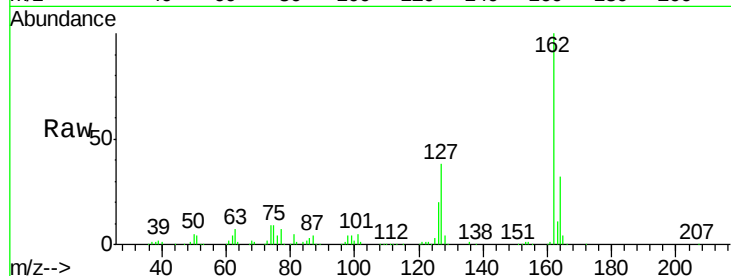




#47
2-Chloronaphthalene
Concen: 9.630 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

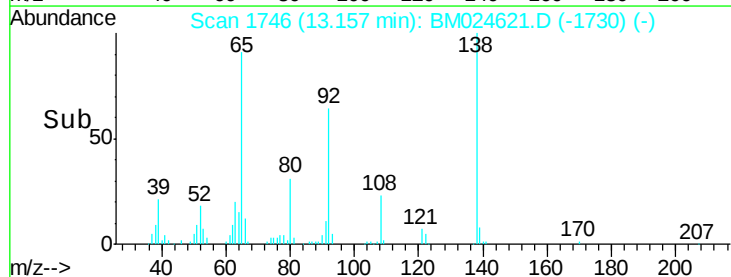
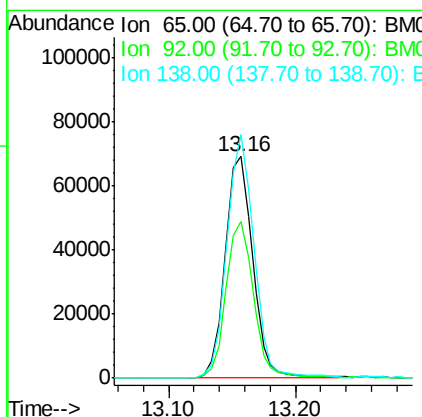
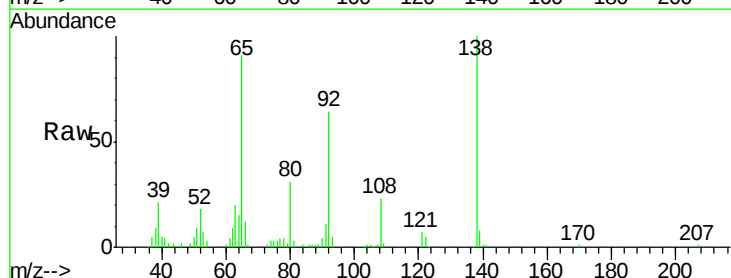
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2019

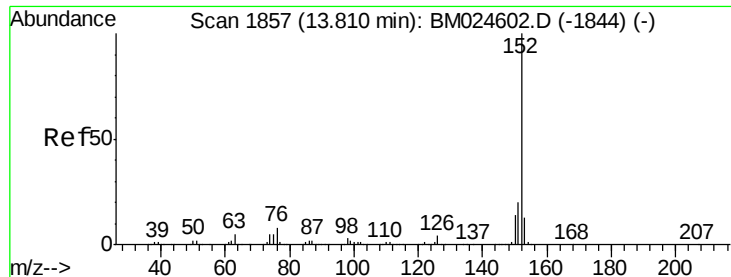
Tot Ion: 162 Resp: 373713
Ion Ratio Lower Upper
162 100
127 38.2 30.4 45.6
164 32.3 26.5 39.7



#48
2-Nitroaniline
Concen: 8.881 ng
RT: 13.16 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Tgt Ion: 65 Resp: 105107
Ion Ratio Lower Upper
65 100
92 70.8 55.4 83.2
138 110.0 86.6 129.8





#49

Acenaphthylene

Concen: 9.439 ng

RT: 13.80 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

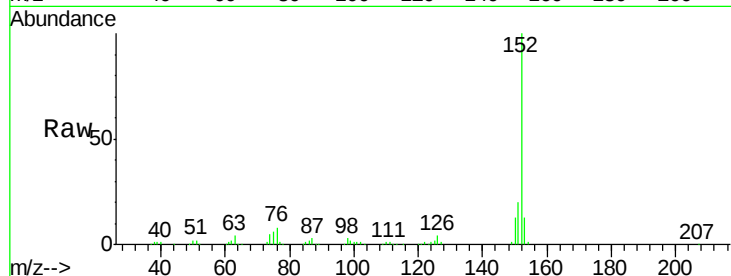
Tot Ion:152 Resp: 548321

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

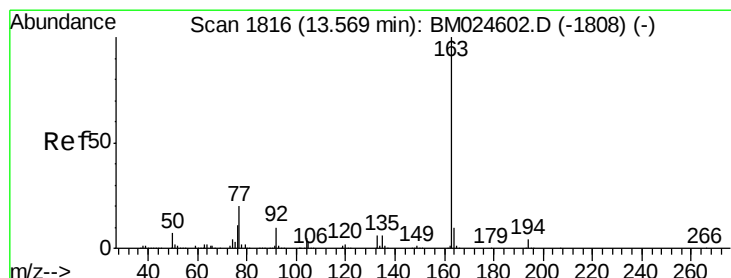
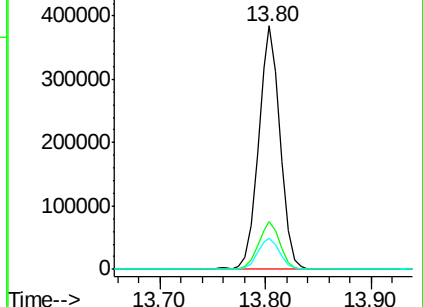
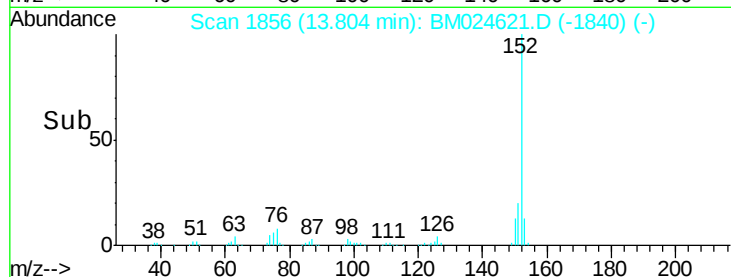
153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.564 ng

RT: 13.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

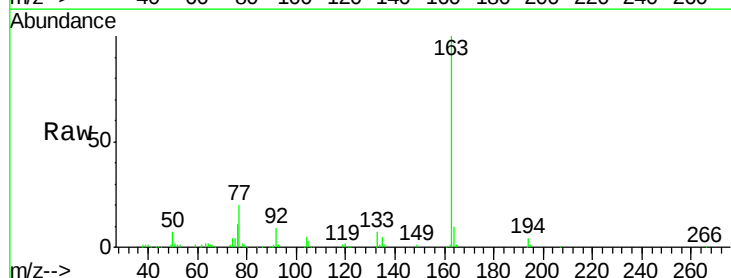
Tgt Ion:163 Resp: 491224

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

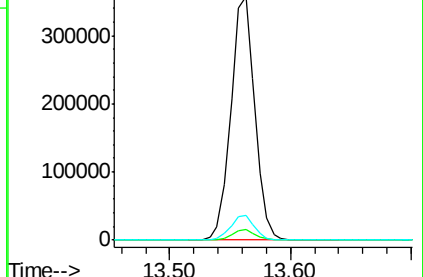
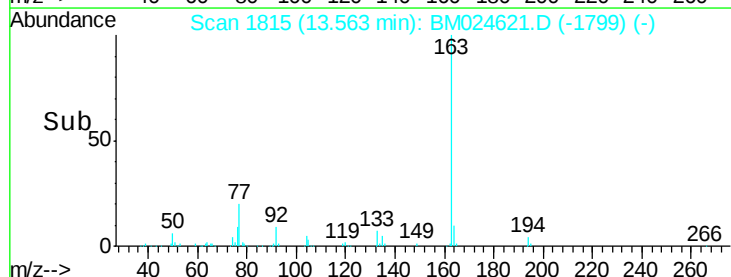
164 10.2 8.0 12.0

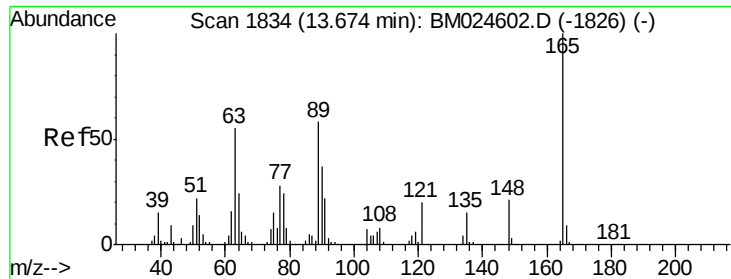


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

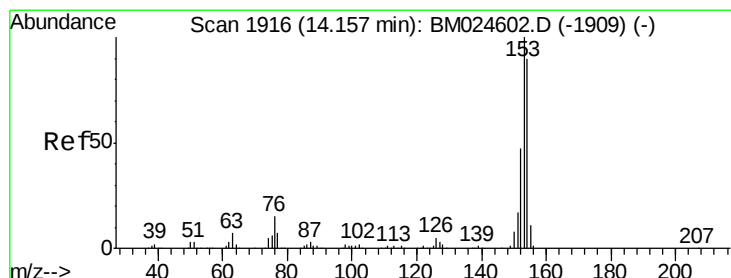
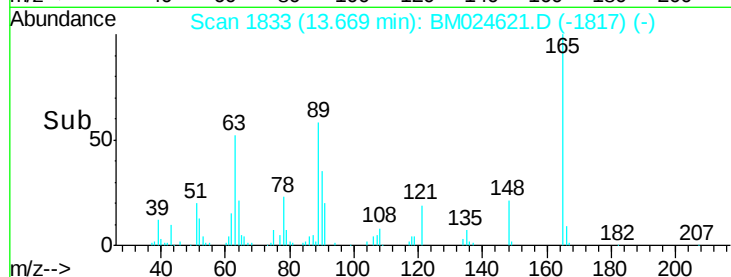
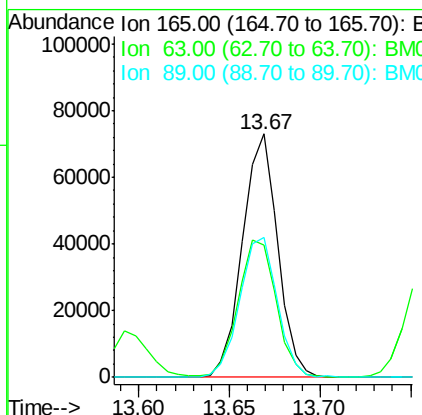
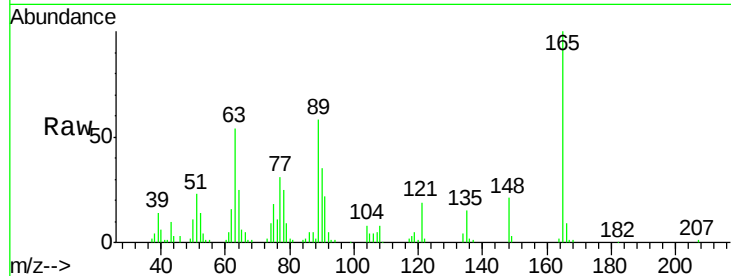




#51
 2,6-Dinitrotoluene
 Concen: 9.049 ng
 RT: 13.67 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

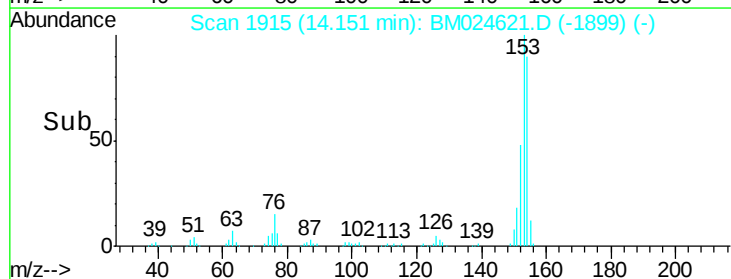
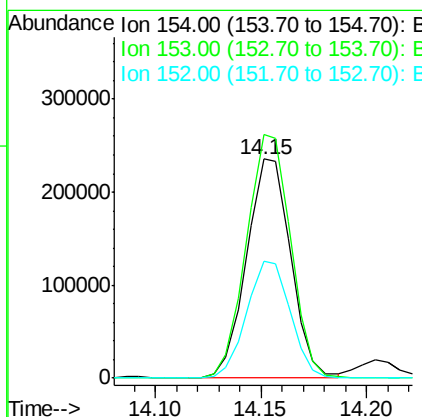
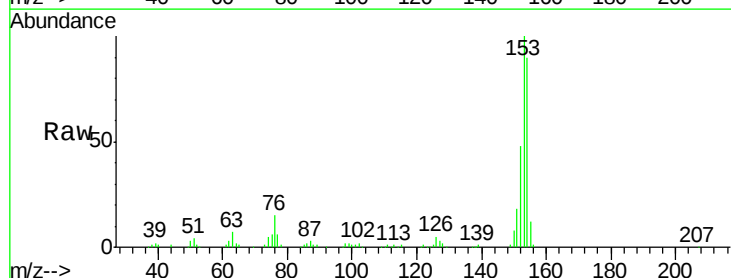
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

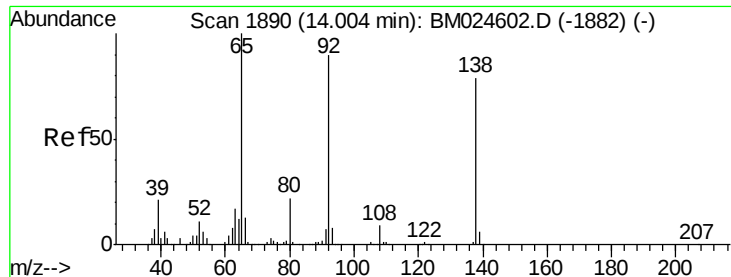
Tot Ion	165	Resp	98815
Ion Ratio	100	Lower	Upper
63	54.5	45.4	68.0
89	57.6	46.6	69.8



#52
 Acenaphthene
 Concen: 9.495 ng
 RT: 14.15 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

Tgt Ion	154	Resp	342295
Ion Ratio	100	Lower	Upper
153	111.3	89.1	133.7
152	53.6	41.9	62.9





#53

3-Nitroaniline

Concen: 9.004 ng

RT: 13.99 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

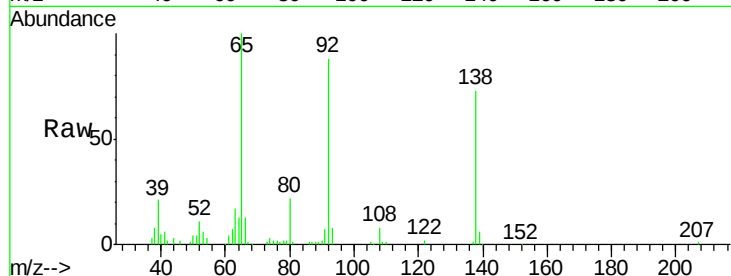
Tot Ion:138 Resp: 101975

Ion Ratio Lower Upper

138 100

108 11.1 8.7 13.1

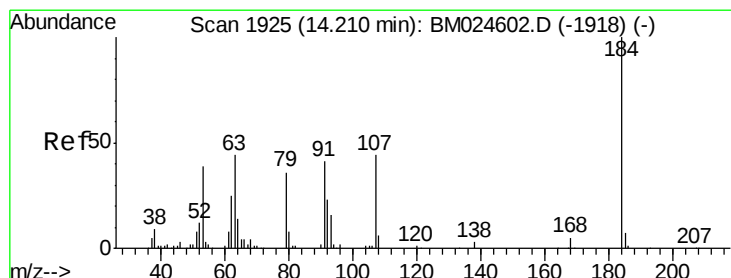
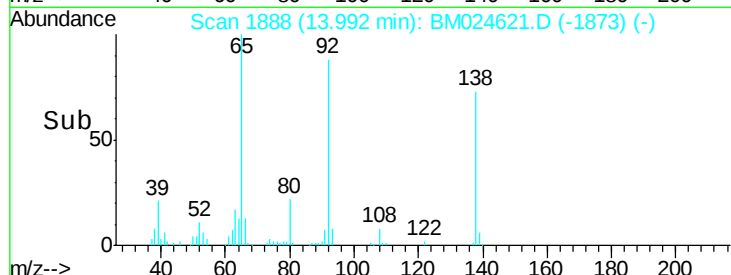
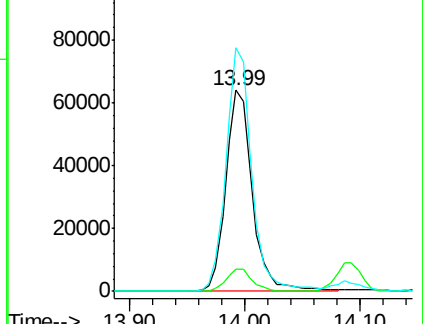
92 121.0 91.0 136.4



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: 6.724 ng

RT: 14.20 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

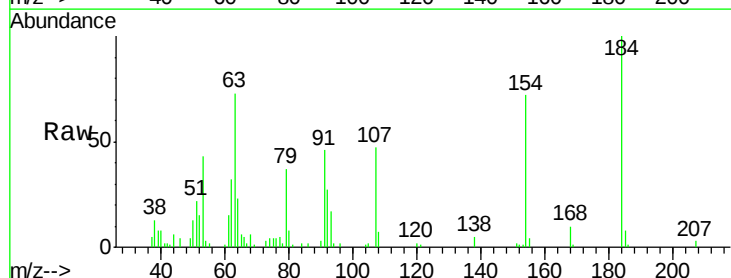
Tgt Ion:184 Resp: 43910

Ion Ratio Lower Upper

184 100

63 73.3 51.8 77.8

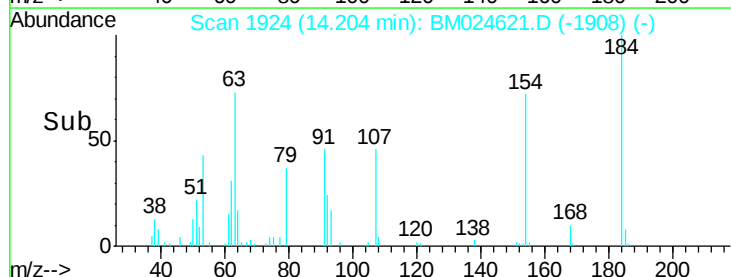
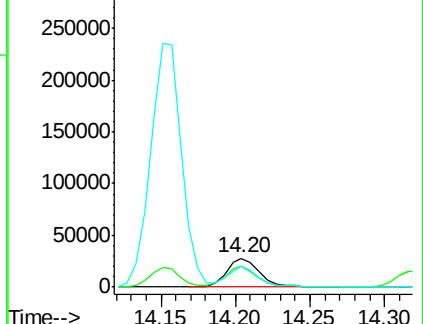
154 72.1 50.2 75.4

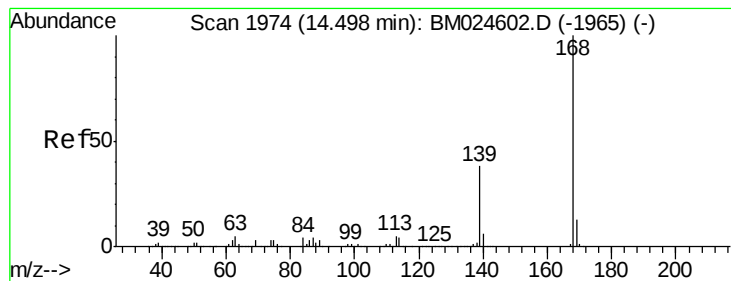


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 9.512 ng

RT: 14.49 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

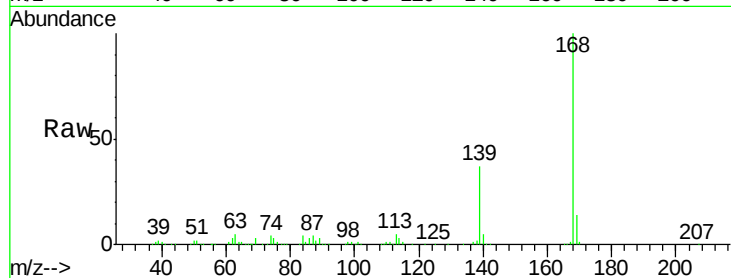
Tot Ion:168 Resp: 559193

Ion Ratio Lower Upper

168 100

139 37.3 30.2 45.4

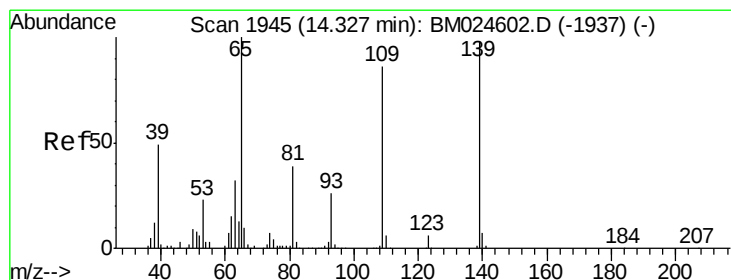
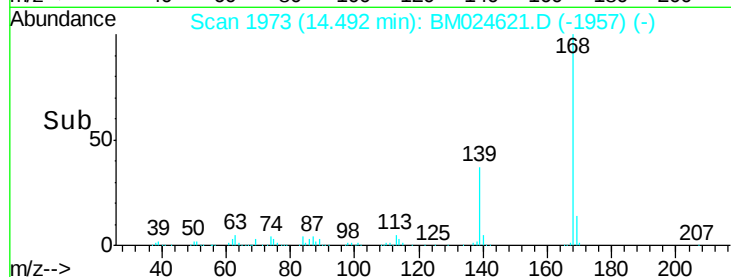
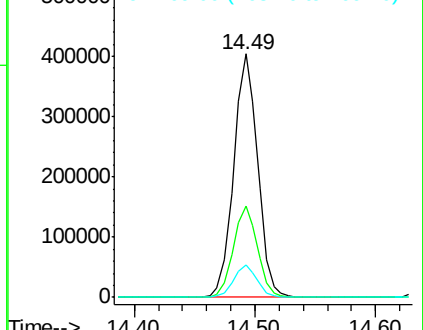
169 13.5 10.7 16.1



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: 8.164 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

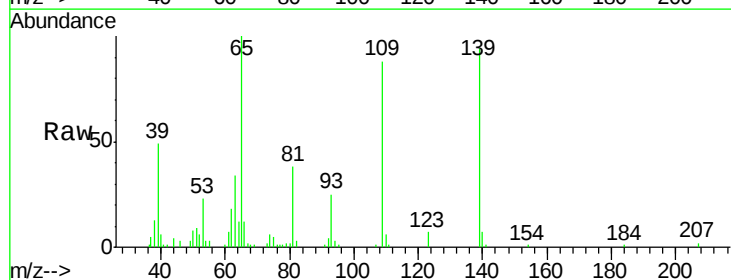
Tgt Ion:139 Resp: 72282

Ion Ratio Lower Upper

139 100

109 92.7 67.4 107.4

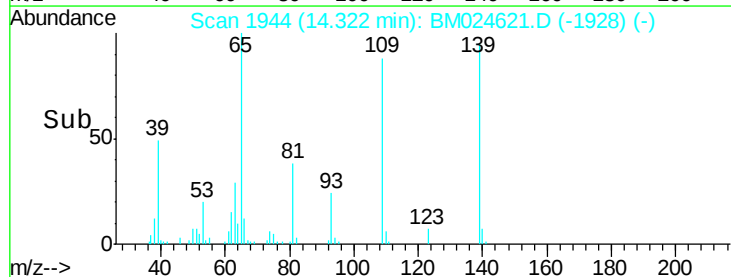
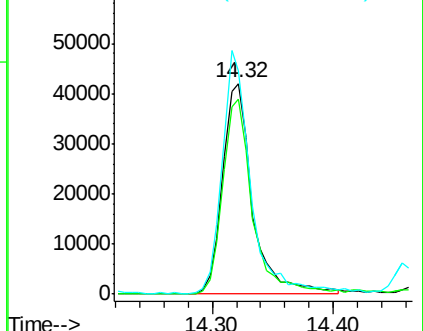
65 105.9 82.1 122.1

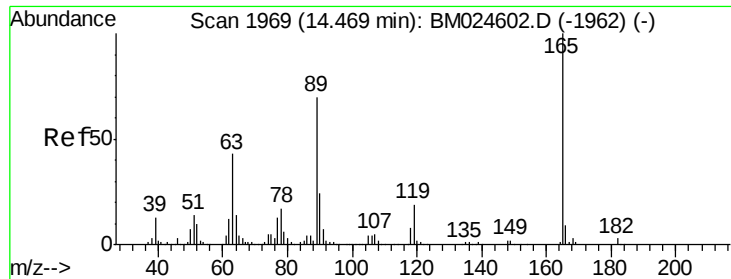


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

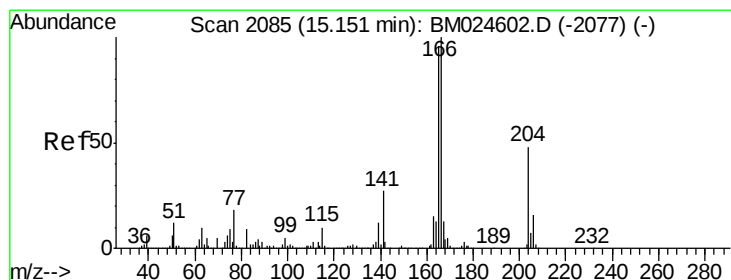
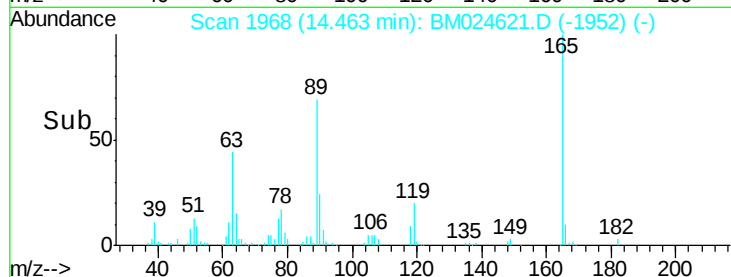
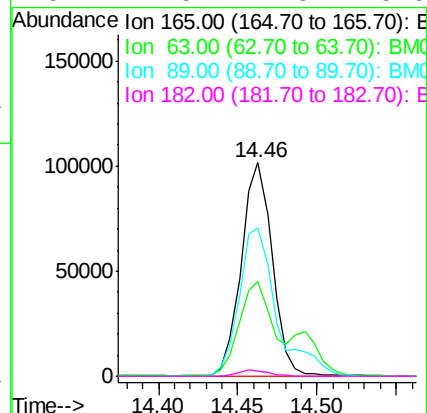
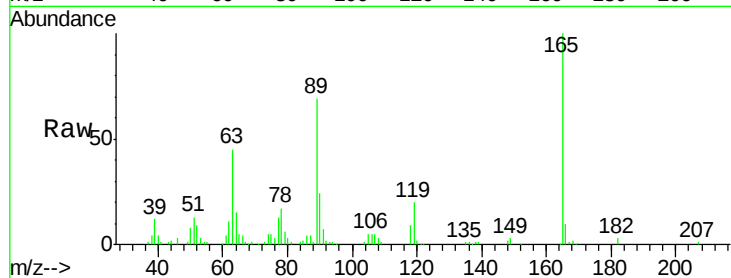




#57
2,4-Dinitrotoluene
Concen: 8.838 ng
RT: 14.46 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

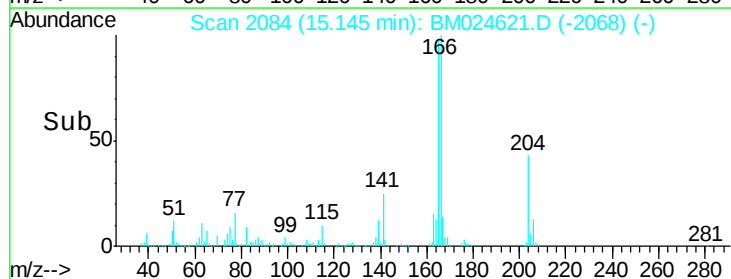
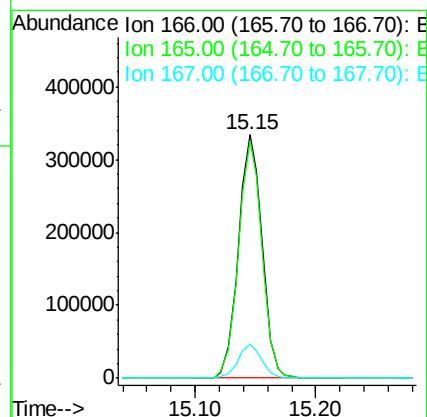
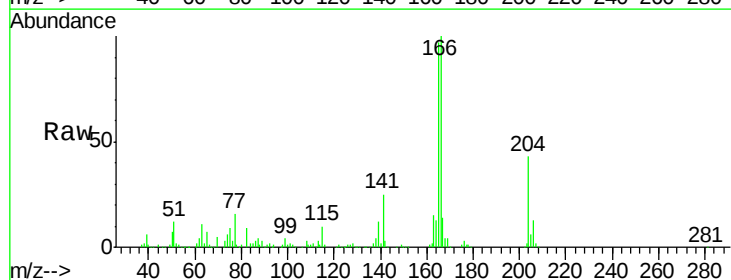
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2019

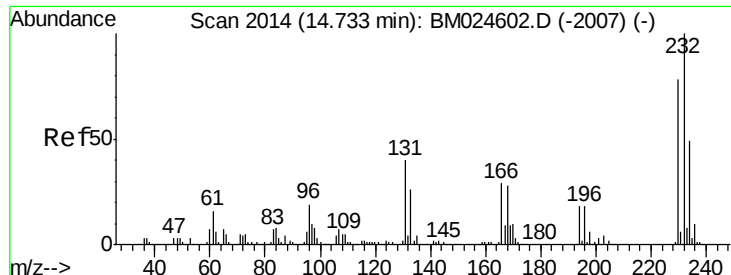
Tot Ion	Ratio	Lower	Upper
165	100		
63	44.5	34.5	51.7
89	69.3	55.8	83.8
182	2.5	2.3	3.5



#58
Fluorene
Concen: 9.245 ng
RT: 15.15 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	76.6	114.8
167	13.7	10.8	16.2

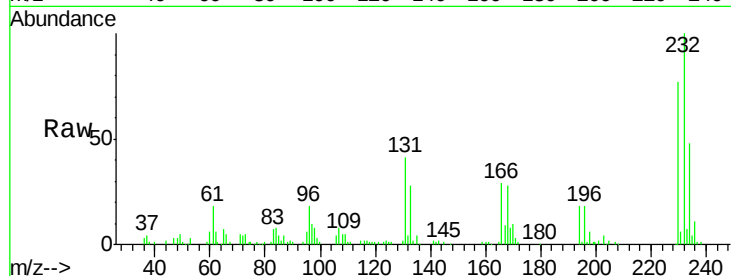




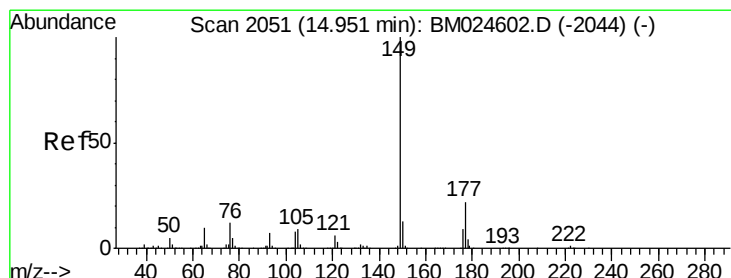
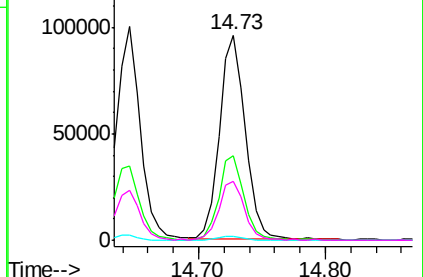
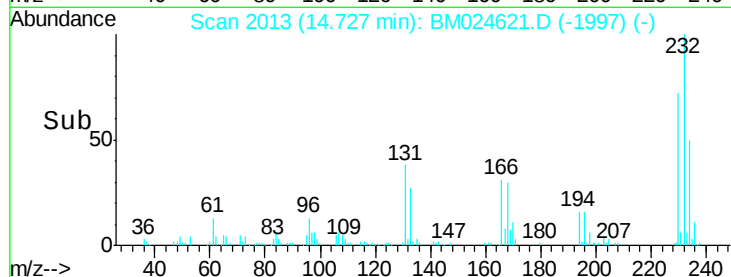
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 9.018 ng
 RT: 14.73 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion:232 Resp: 134726
 Ion Ratio Lower Upper
 232 100
 131 40.6 32.2 48.4
 130 2.1 1.9 2.9
 166 28.7 23.4 35.0

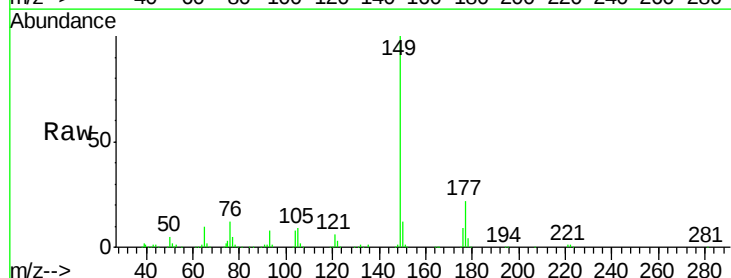


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

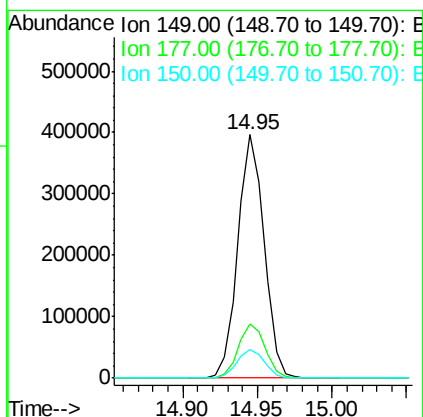
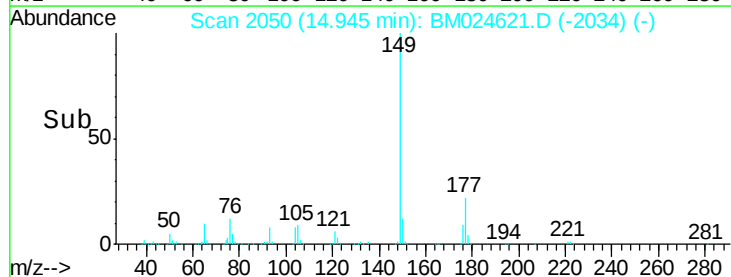


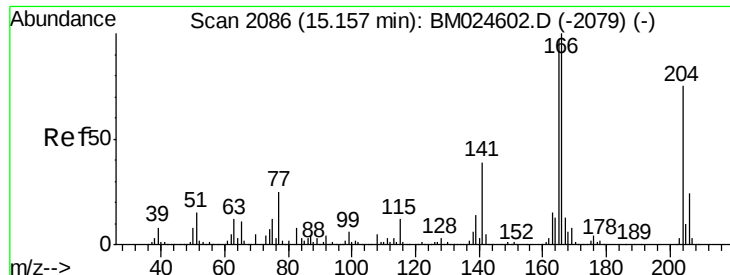
#60
 Diethylphthalate
 Concen: 9.333 ng
 RT: 14.95 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

Tgt Ion:149 Resp: 486677
 Ion Ratio Lower Upper
 149 100
 177 22.3 18.0 27.0
 150 11.9 10.2 15.4



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

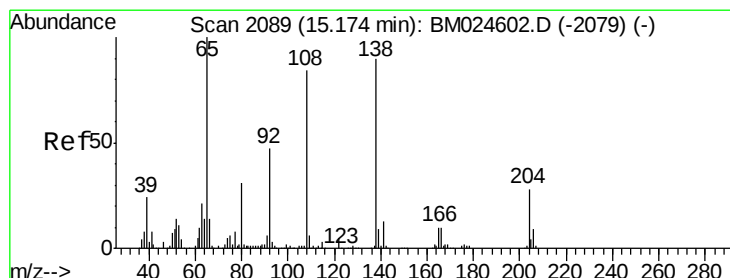
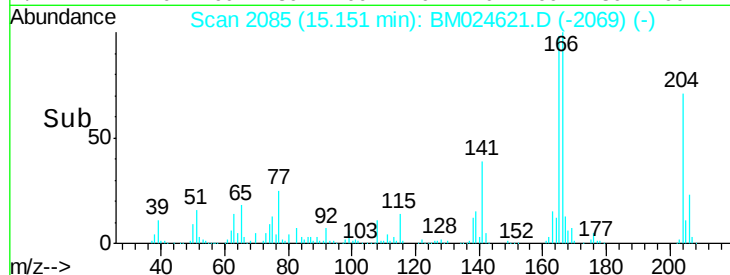
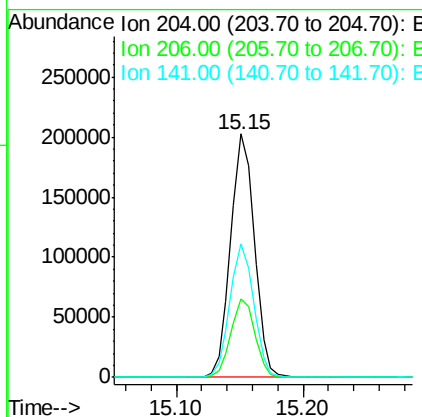
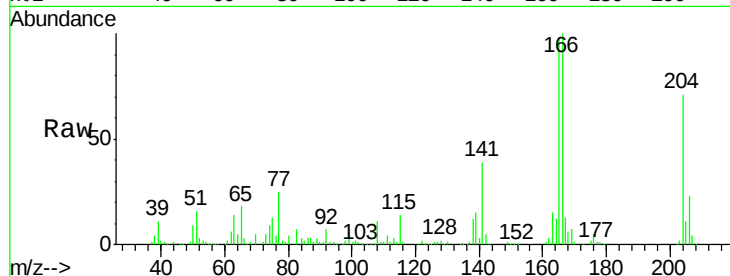




#61
 4-Chlorophenyl-phenylether
 Concen: 9.238 ng
 RT: 15.15 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

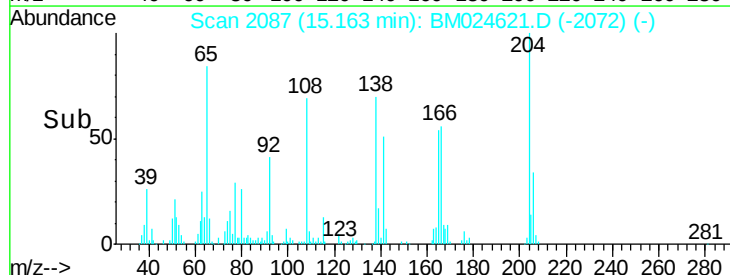
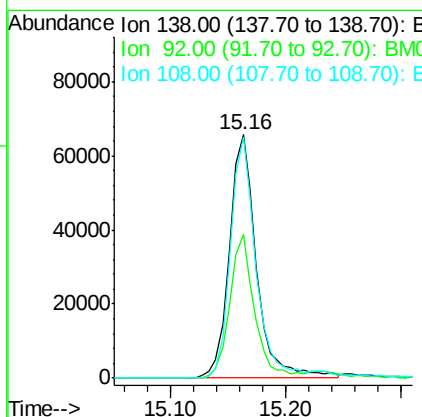
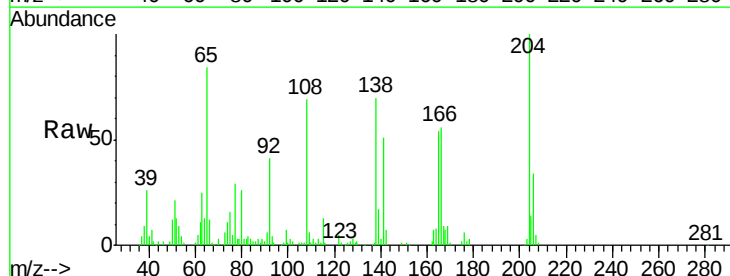
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

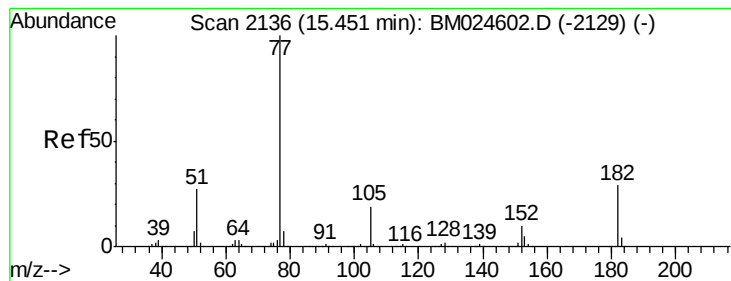
Tot Ion:	204	Resp:	263121
Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.2	39.2
141	54.9	42.2	63.2



#62
 4-Nitroaniline
 Concen: 8.533 ng
 RT: 15.16 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BM024621.D
 Acq: 24 Jan 2020 15:31

Tgt Ion:	138	Resp:	106681
Ion	Ratio	Lower	Upper
138	100		
92	58.9	32.4	72.4
108	99.1	73.3	113.3





#63

Azobenzene

Concen: 9.497 ng

RT: 15.45 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 77 Resp: 422422

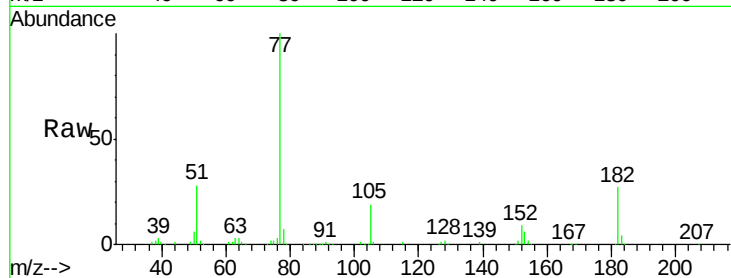
Ion Ratio Lower Upper

77 100

182 27.1 8.7 48.7

105 18.9 0.0 39.2

51 27.8 7.5 47.5

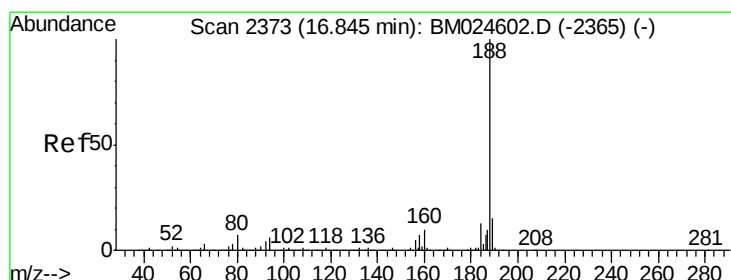
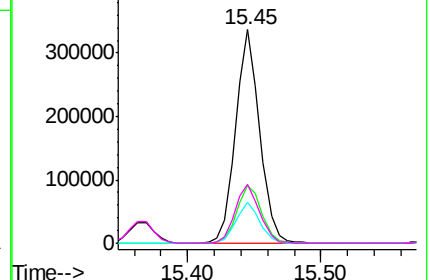
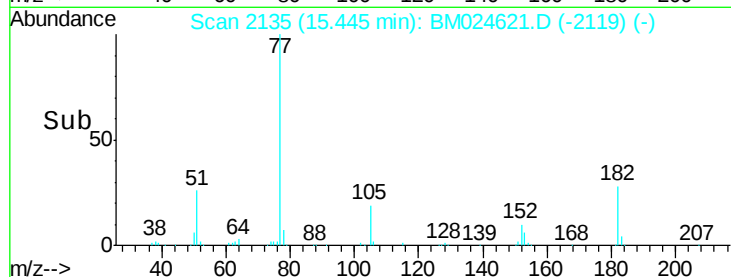


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

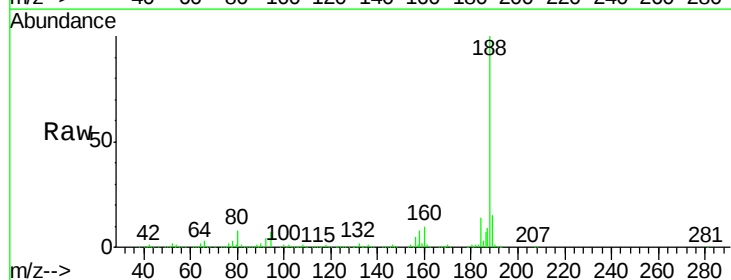
Tgt Ion: 188 Resp: 1457373

Ion Ratio Lower Upper

188 100

94 6.6 5.0 7.6

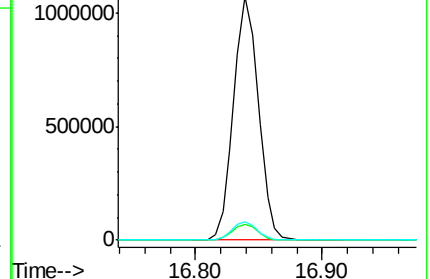
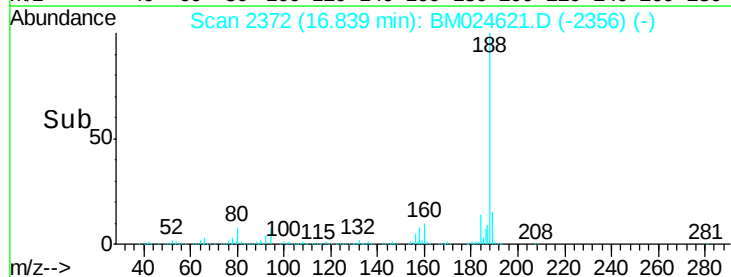
80 7.6 5.8 8.8

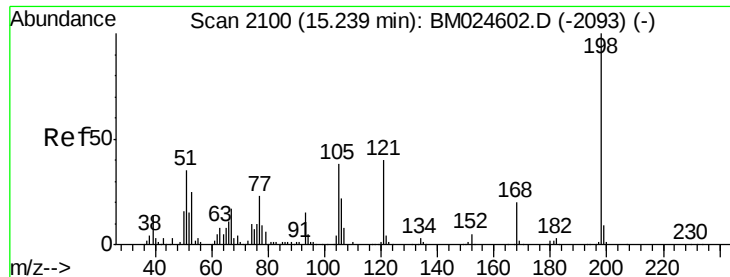


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#65

4,6-Dinitro-2-methylphenol

Concen: 7.571 ng

RT: 15.23 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

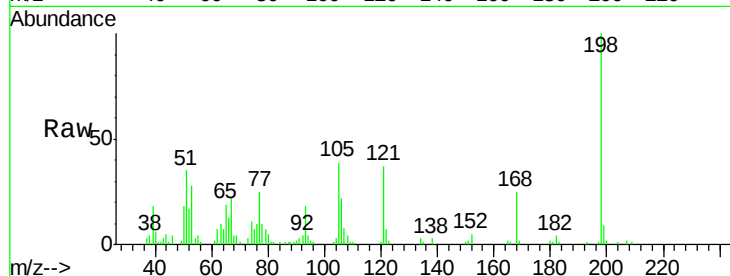
Tot Ion:198 Resp: 64877

Ion Ratio Lower Upper

198 100

51 35.4 15.8 55.8

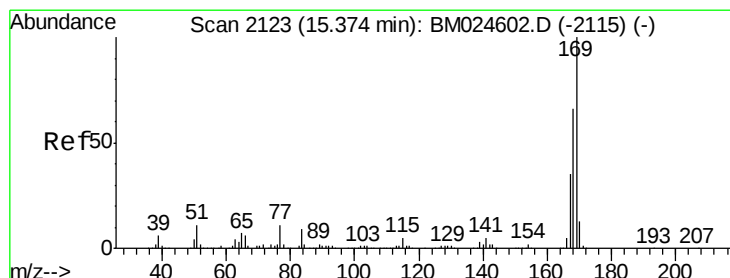
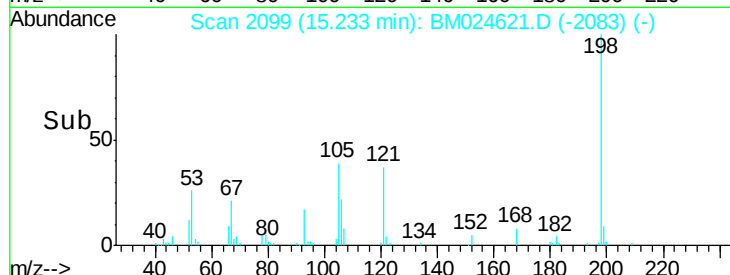
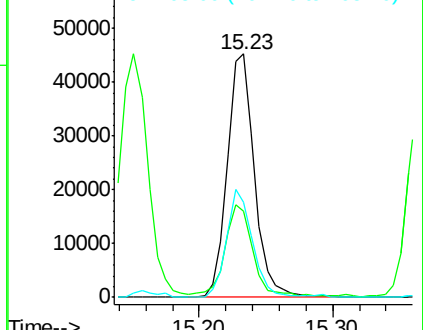
105 38.9 18.5 58.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 9.501 ng

RT: 15.37 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

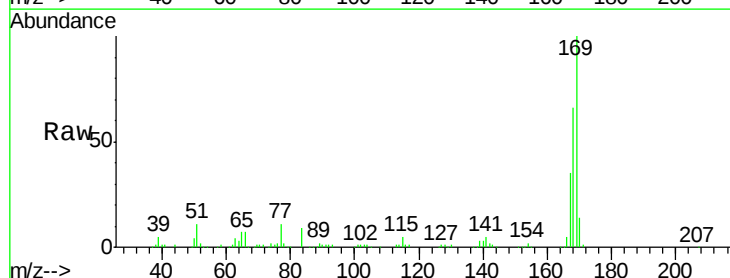
Tgt Ion:169 Resp: 397737

Ion Ratio Lower Upper

169 100

168 66.4 52.8 79.2

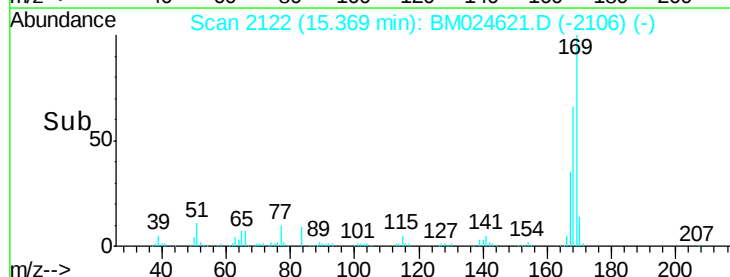
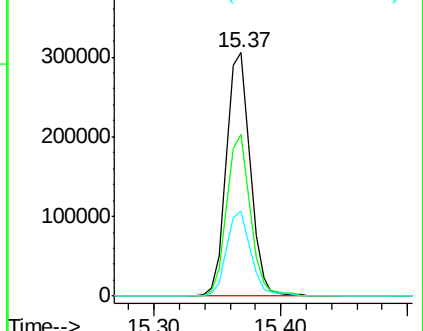
167 35.1 28.2 42.2

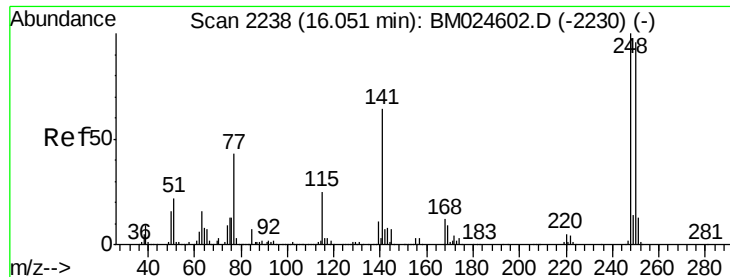


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

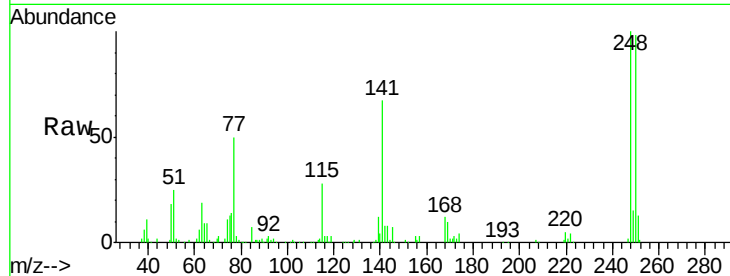




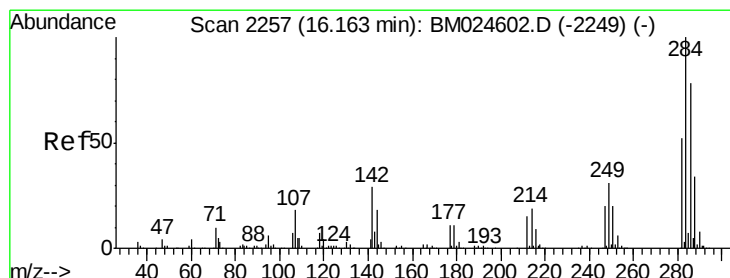
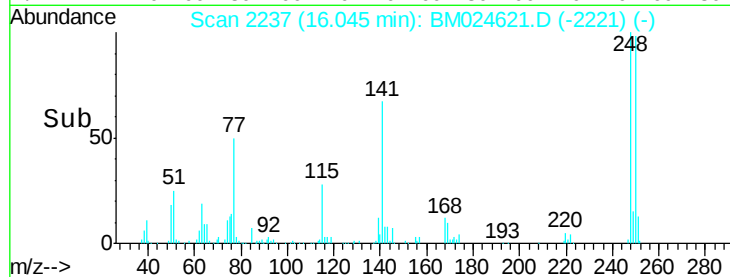
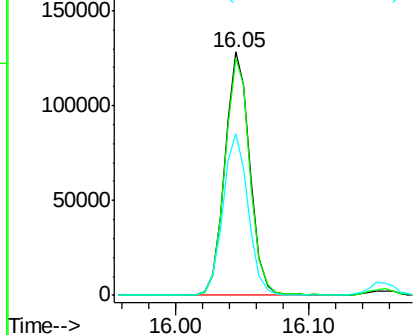
#67
4-Bromophenyl-phenylether
Concen: 9.289 ng
RT: 16.05 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:248 Resp: 168347
Ion Ratio Lower Upper
248 100
250 97.5 77.0 115.6
141 66.5 50.9 76.3

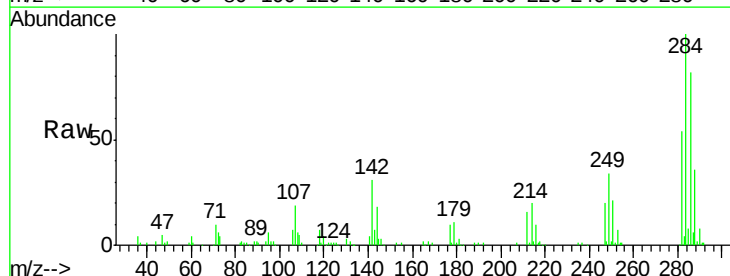


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

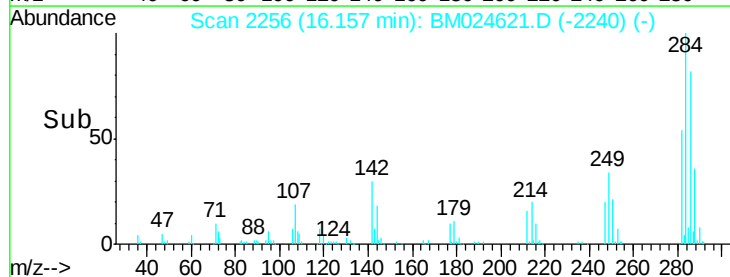
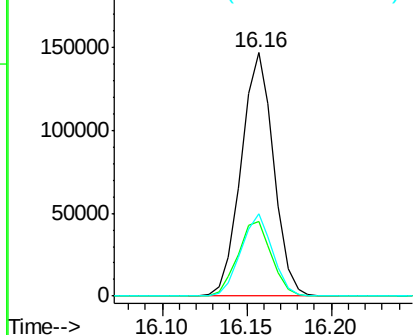


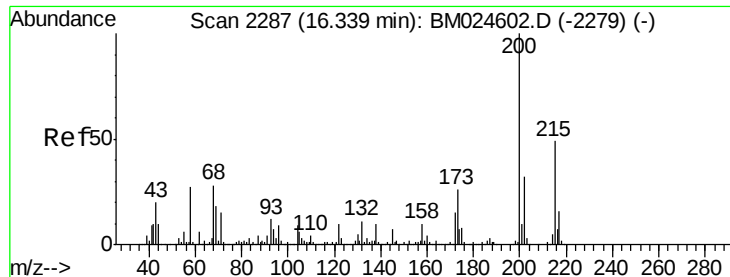
#68
Hexachlorobenzene
Concen: 9.460 ng
RT: 16.16 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Tgt Ion:284 Resp: 196751
Ion Ratio Lower Upper
284 100
142 30.9 23.5 35.3
249 34.0 24.6 36.8



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: 8.902 ng

RT: 16.33 min Scan# 2286

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

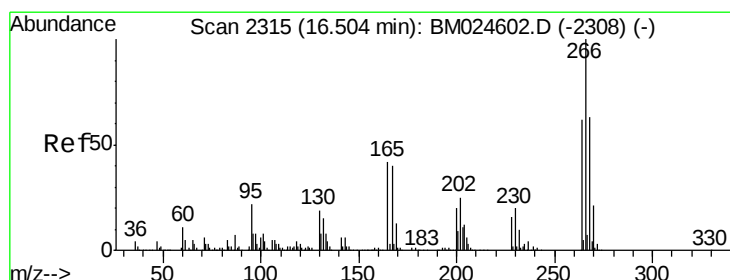
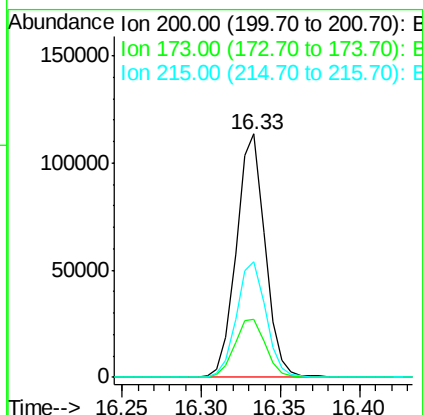
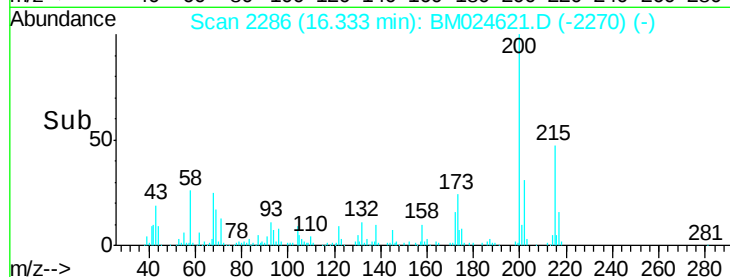
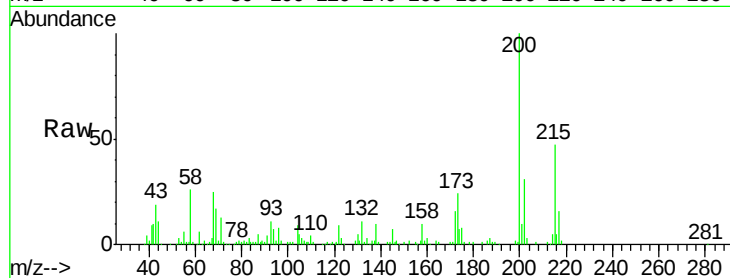
Tot Ion:200 Resp: 143047

Ion Ratio Lower Upper

200 100

173 23.8 5.5 45.5

215 47.4 29.4 69.4



#70

Pentachlorophenol

Concen: 8.354 ng

RT: 16.50 min Scan# 2314

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

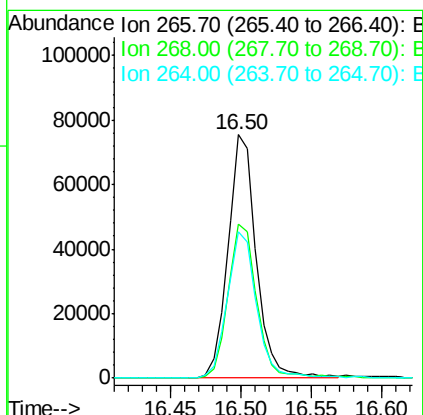
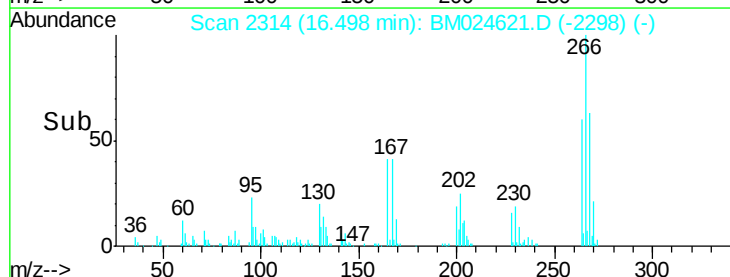
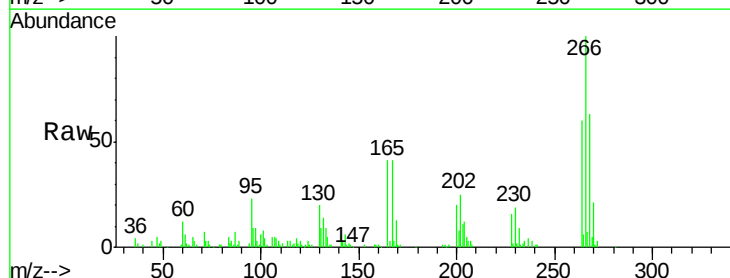
Tgt Ion:266 Resp: 105827

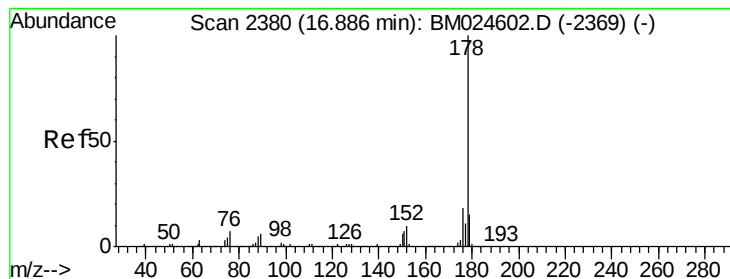
Ion Ratio Lower Upper

266 100

268 63.3 50.4 75.6

264 60.1 49.9 74.9





#71

Phenanthrene

Concen: 9.537 ng

RT: 16.88 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

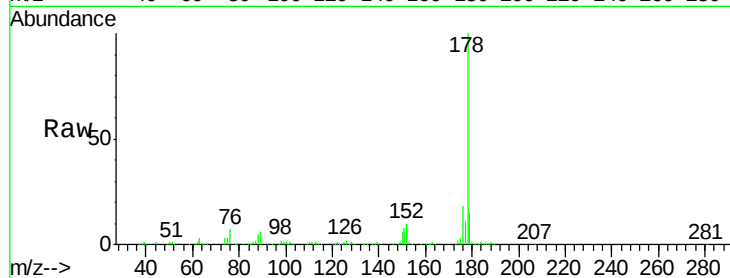
Tot Ion:178 Resp: 752663

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

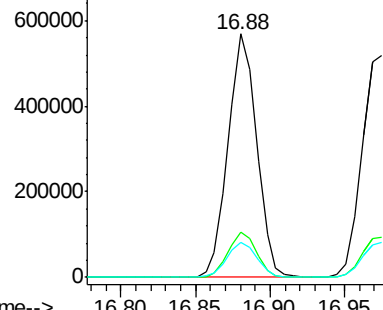
179 14.6 11.9 17.9



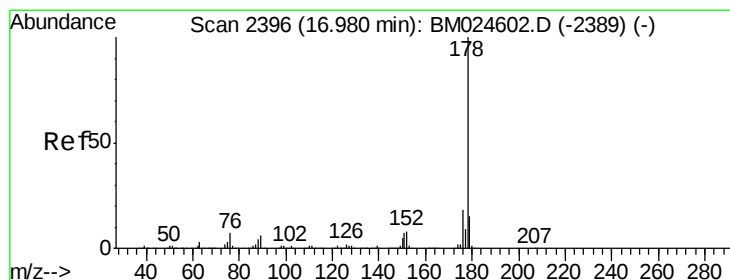
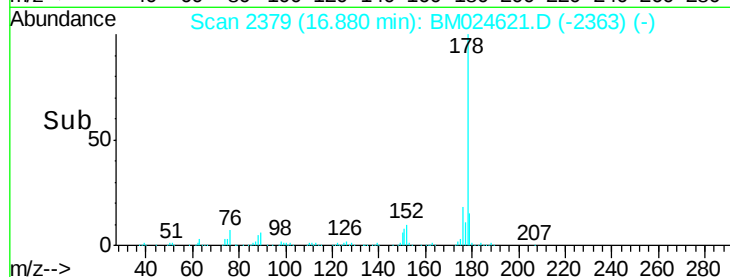
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 9.424 ng

RT: 16.97 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

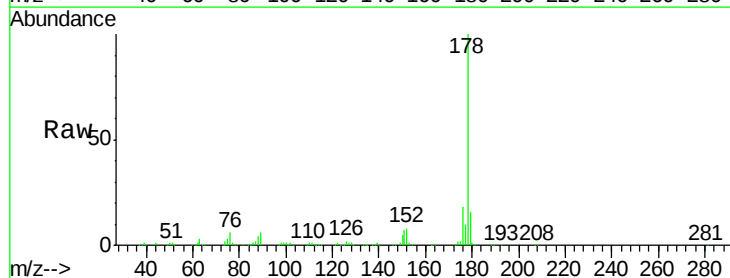
Tgt Ion:178 Resp: 727757

Ion Ratio Lower Upper

178 100

176 17.9 14.3 21.5

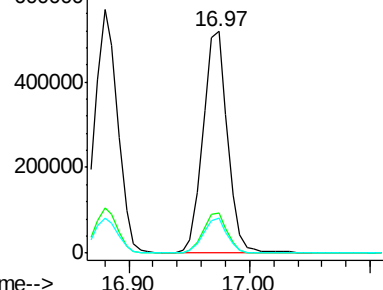
179 15.6 12.1 18.1



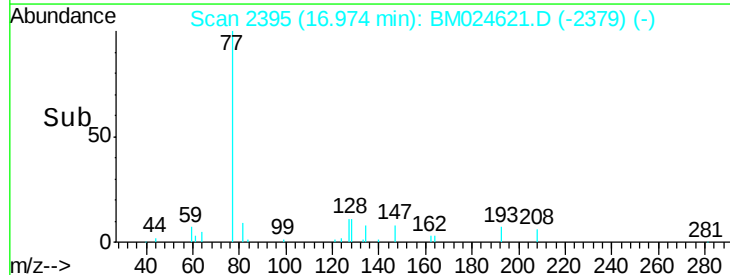
Abundance Ion 178.00 (177.70 to 178.70): E

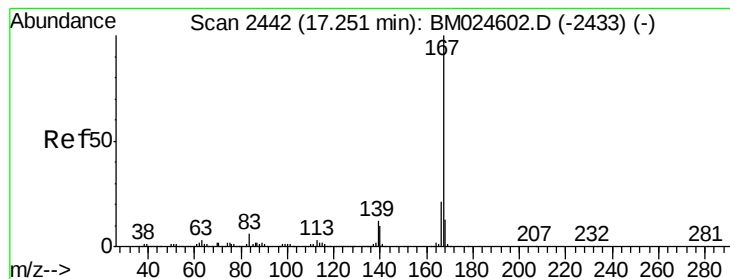
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#73

Carbazole

Concen: 9.339 ng

RT: 17.24 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

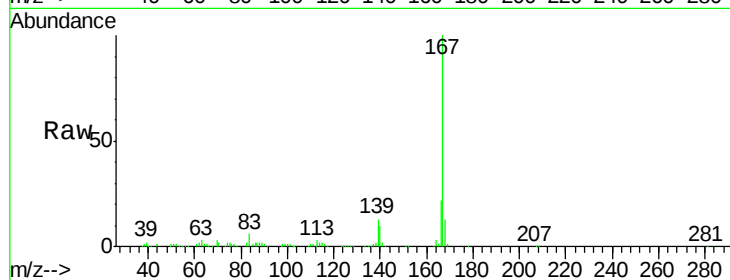
Tot Ion:167 Resp: 656511

Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

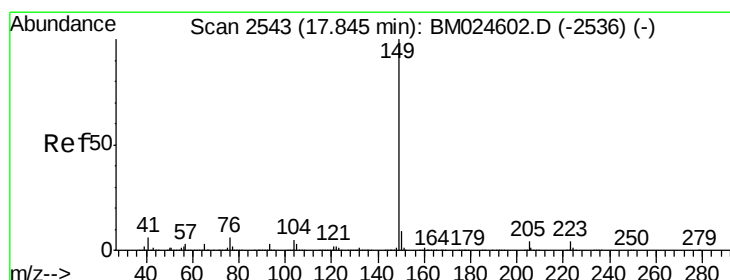
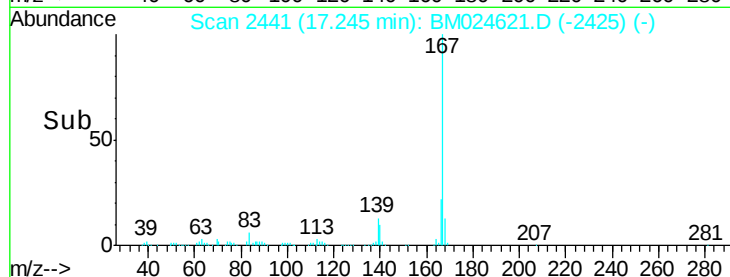
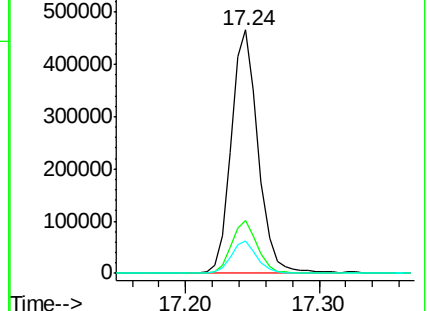
139 13.5 9.8 14.8



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: 8.964 ng

RT: 17.84 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

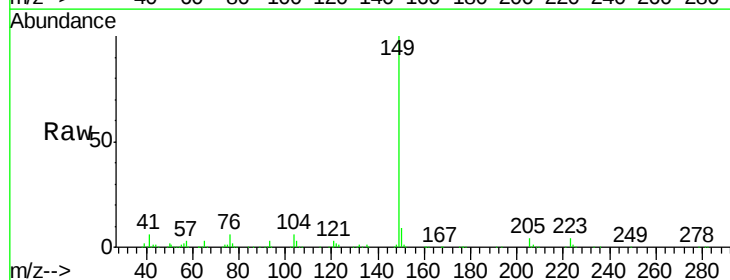
Tgt Ion:149 Resp: 805573

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

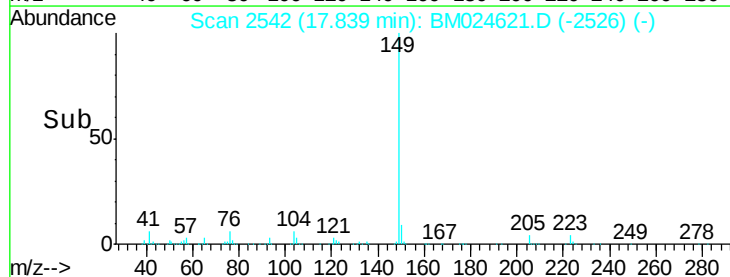
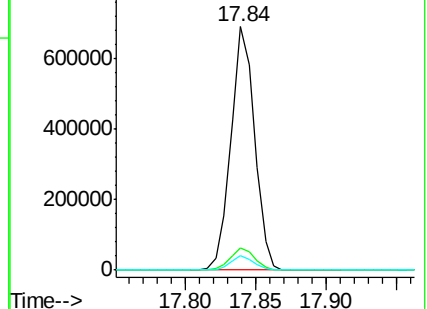
104 5.7 4.3 6.5

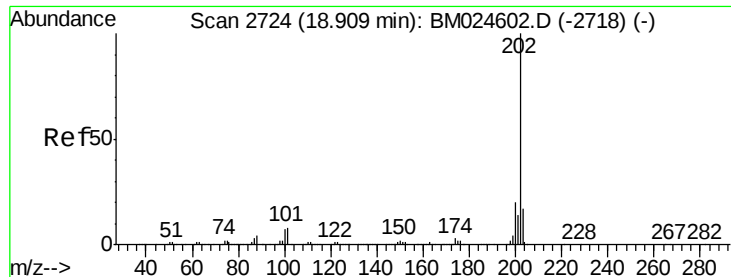


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 9.364 ng

RT: 18.91 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

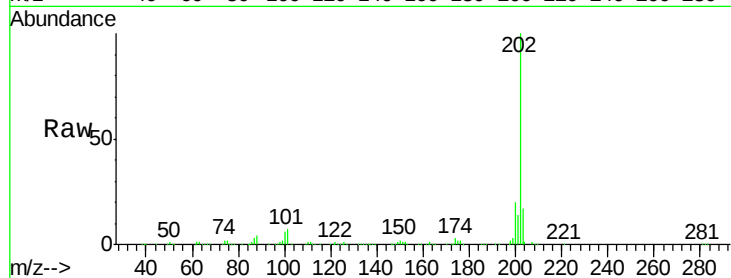
Tot Ion:202 Resp: 922337

Ion Ratio Lower Upper

202 100

101 7.3 0.0 28.4

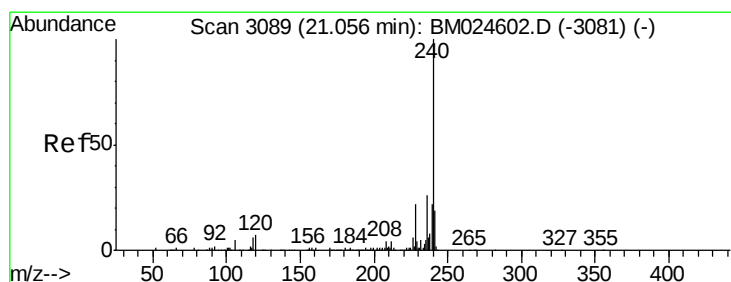
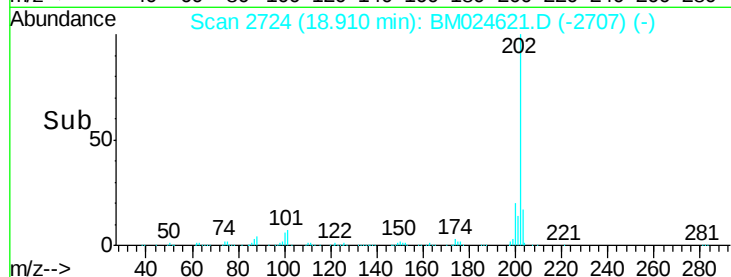
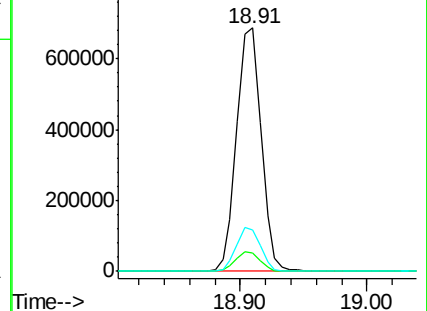
203 17.0 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

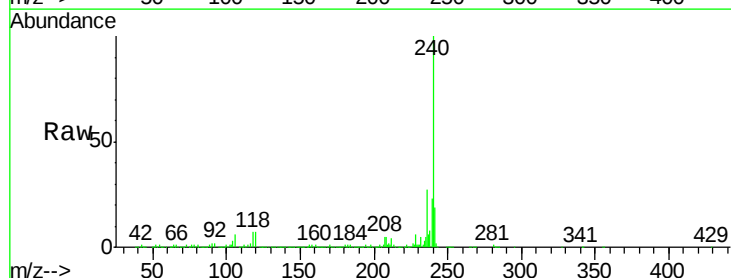
Tgt Ion:240 Resp: 1536762

Ion Ratio Lower Upper

240 100

120 6.8 5.3 7.9

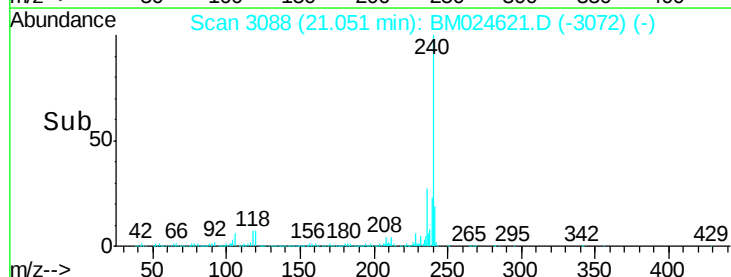
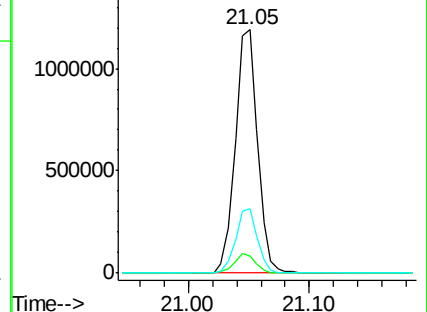
236 26.7 20.6 31.0

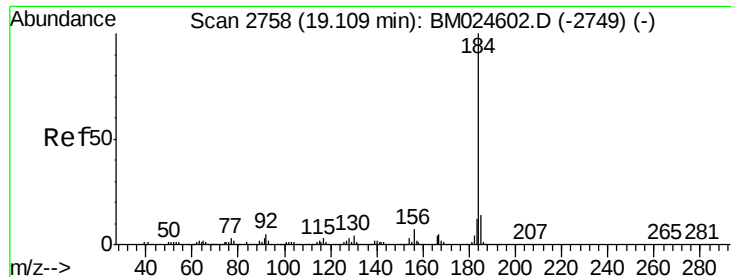


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.852 ng

RT: 19.10 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

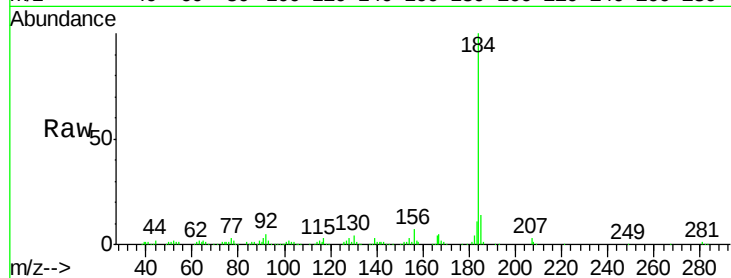
Tot Ion:184 Resp: 316796

Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

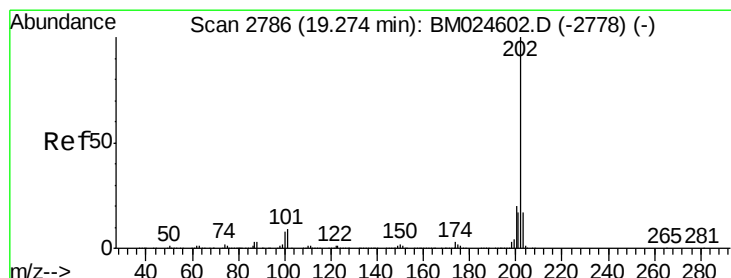
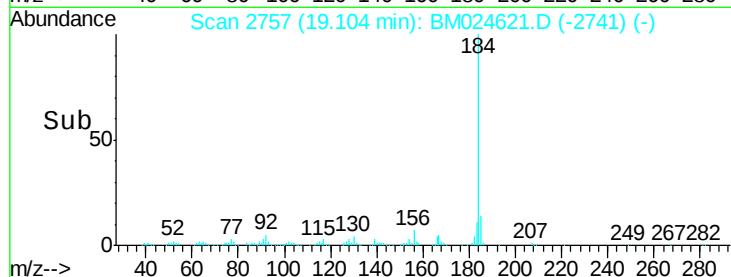
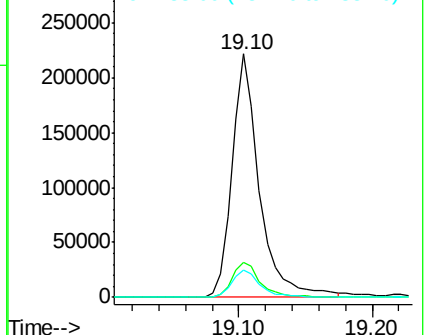
183 11.1 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 9.463 ng

RT: 19.27 min Scan# 2785

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

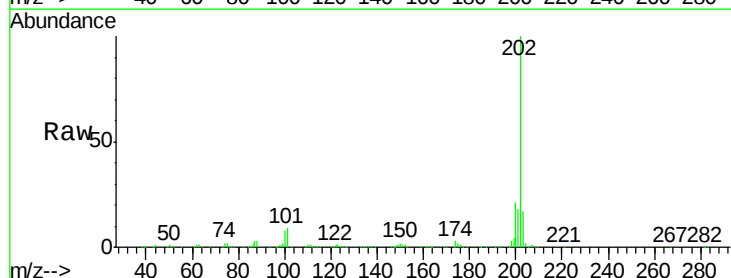
Tgt Ion:202 Resp: 958730

Ion Ratio Lower Upper

202 100

200 20.9 16.2 24.2

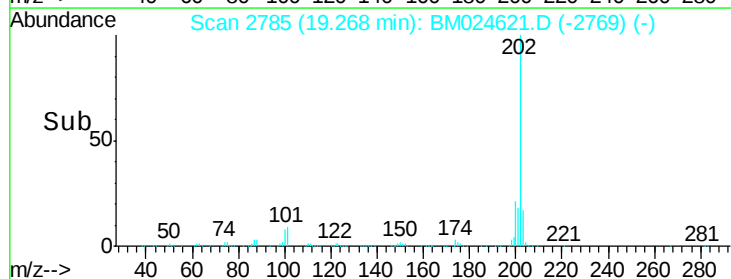
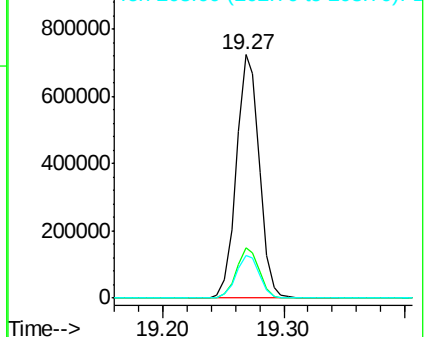
203 17.4 14.0 21.0

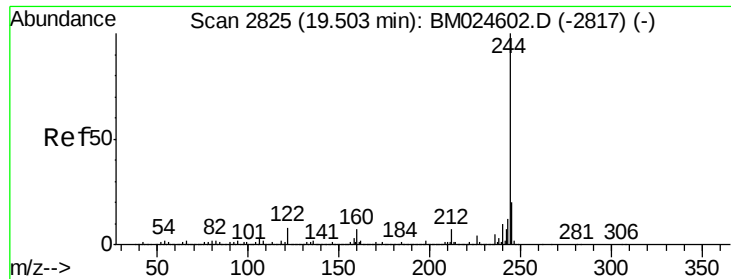


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 80.892 ng

RT: 19.50 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

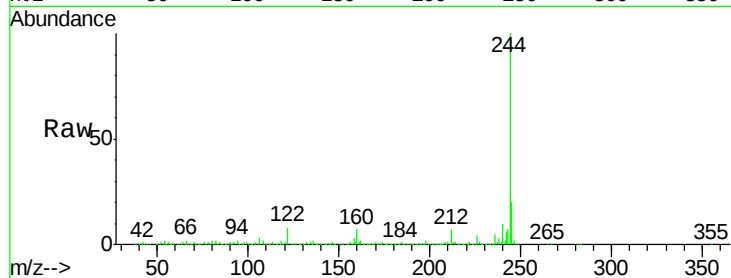
Tot Ion:244 Resp: 6658752

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

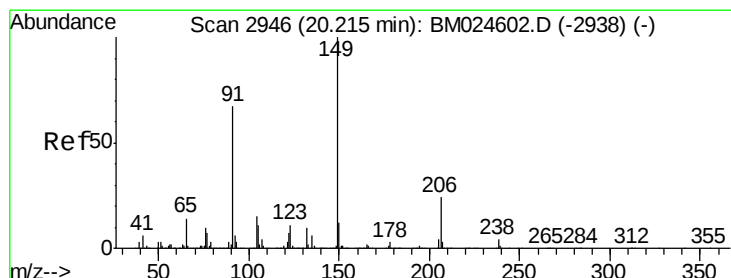
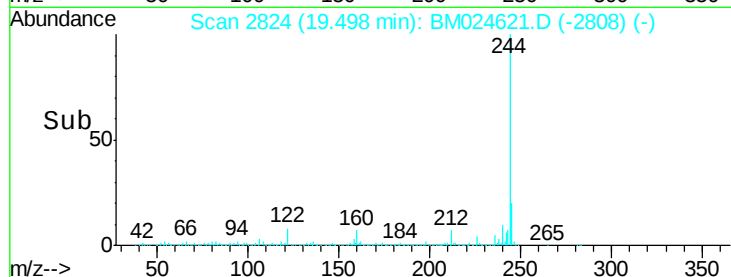
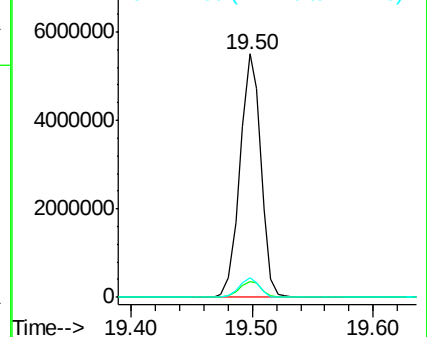
122 8.0 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 8.418 ng

RT: 20.21 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

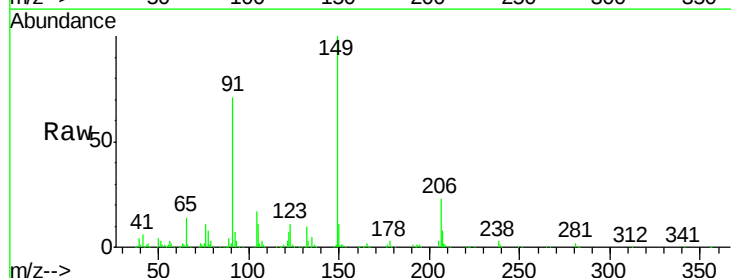
Tgt Ion:149 Resp: 357849

Ion Ratio Lower Upper

149 100

91 71.1 53.9 80.9

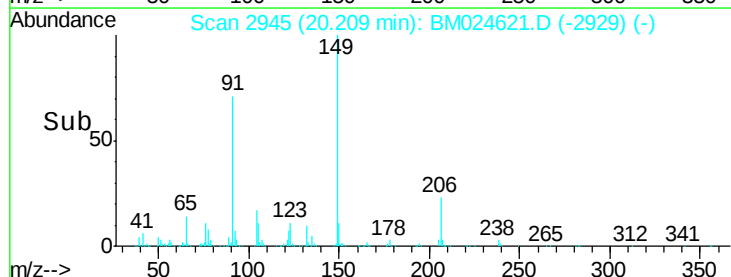
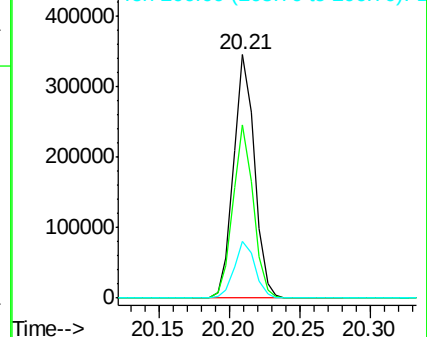
206 23.1 19.0 28.6

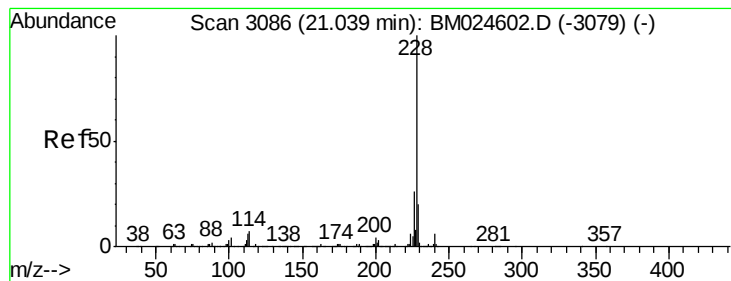


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.599 ng

RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

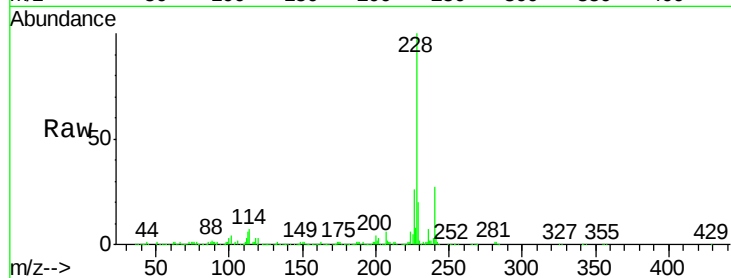
Tot Ion:228 Resp: 1023855

Ion Ratio Lower Upper

228 100

226 25.8 21.1 31.7

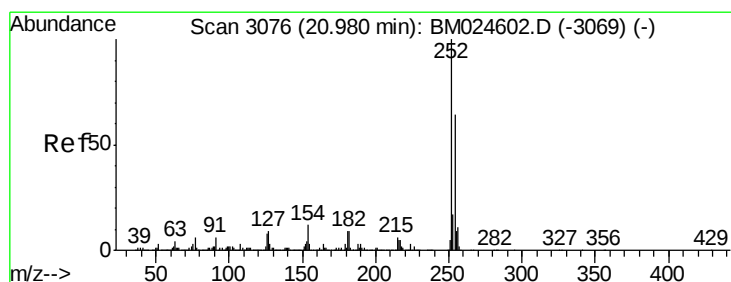
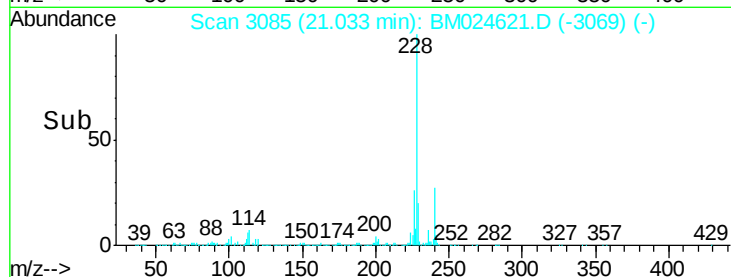
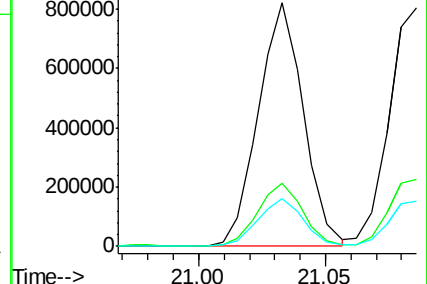
229 19.6 15.8 23.6



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: 8.849 ng

RT: 20.97 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

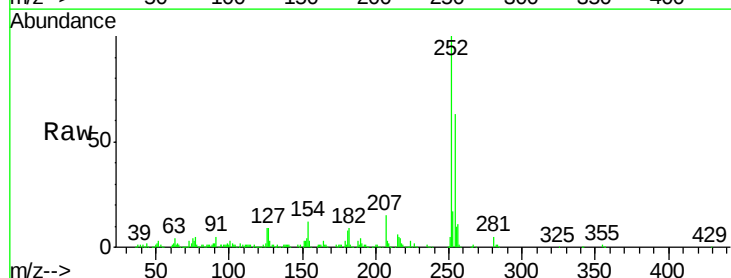
Tgt Ion:252 Resp: 339532

Ion Ratio Lower Upper

252 100

254 62.8 51.5 77.3

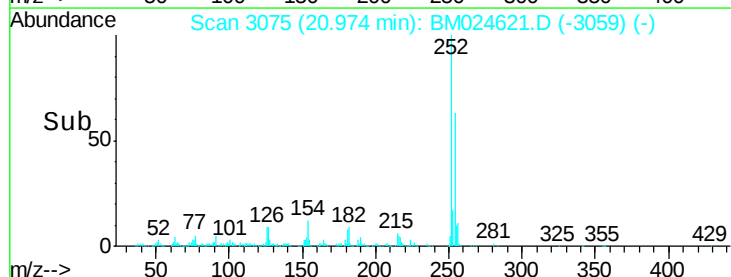
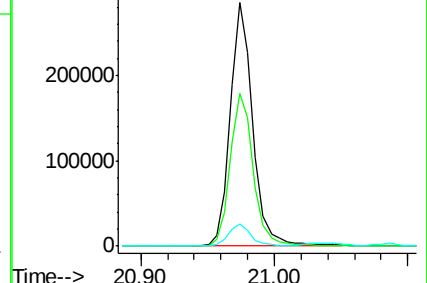
126 9.1 6.7 10.1

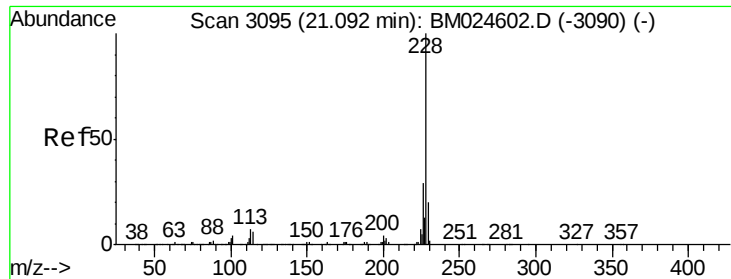


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 9.689 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

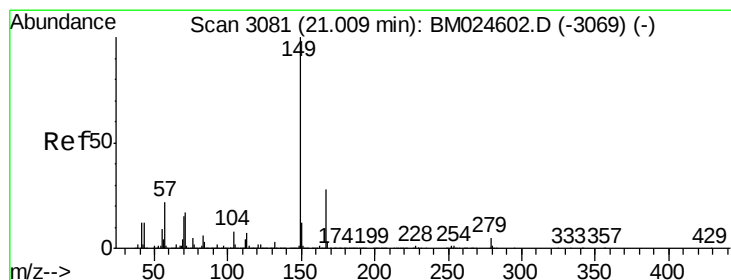
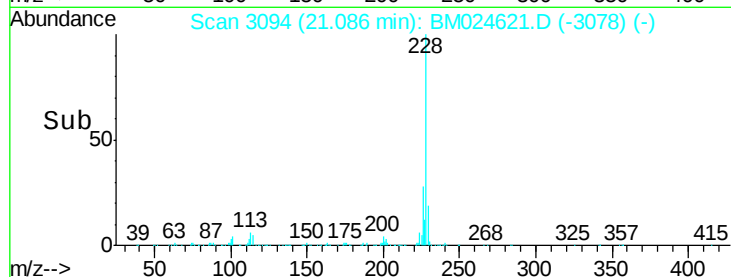
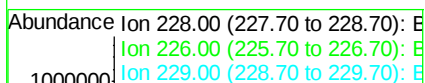
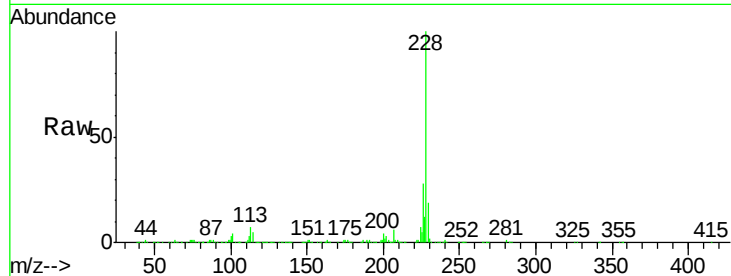
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:228 Resp: 986146

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.2	34.8
229	18.8	15.7	23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.520 ng

RT: 21.01 min Scan# 3081

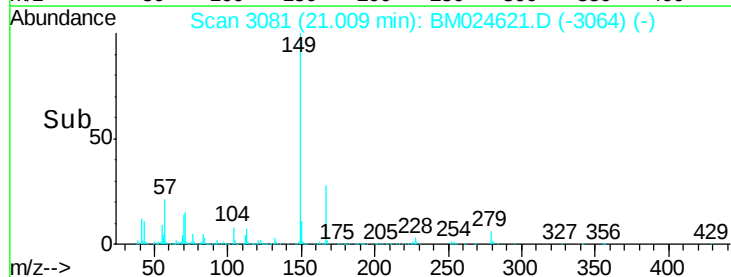
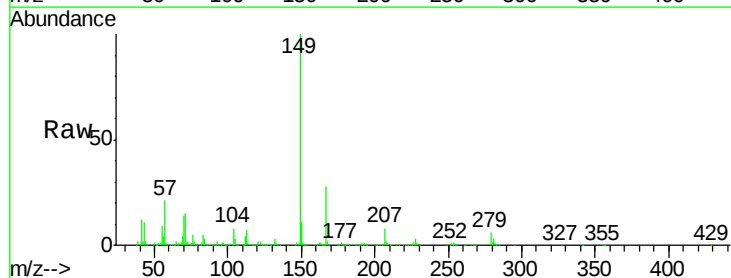
Delta R.T. 0.00 min

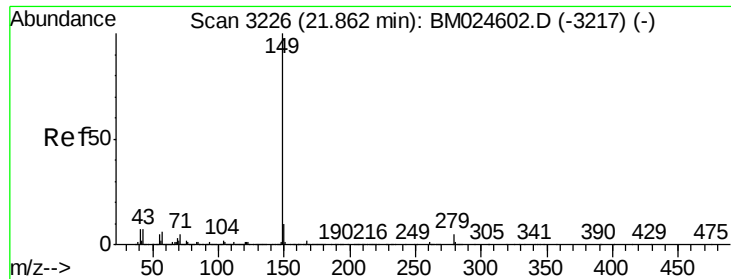
Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Tgt Ion:149 Resp: 534396

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.5	33.7
279	5.9	4.0	6.0





#85

Di-n-octyl phthalate

Concen: 8.395 ng

RT: 21.86 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

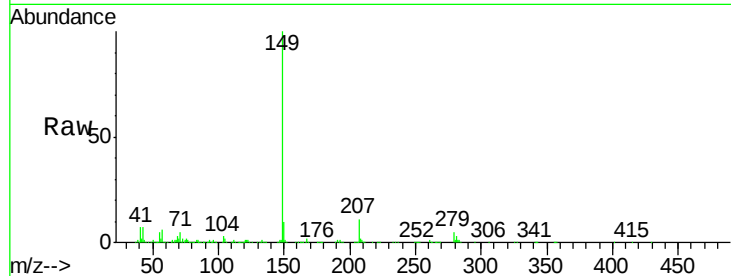
Tot Ion:149 Resp: 870006

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

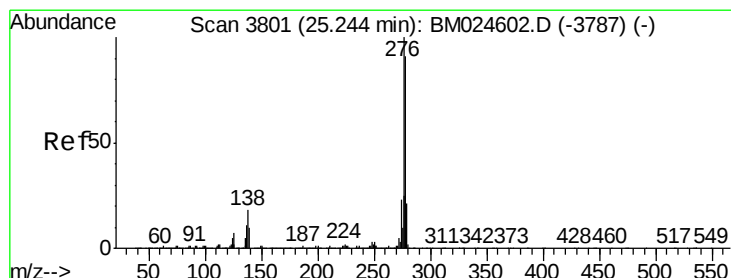
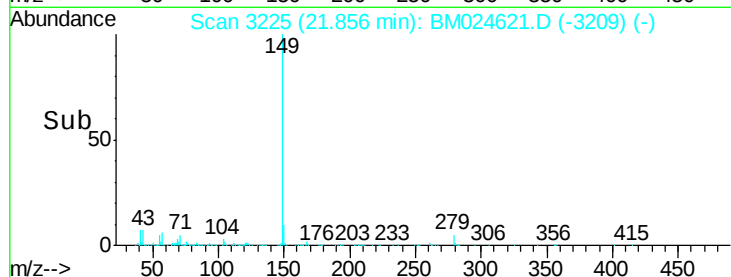
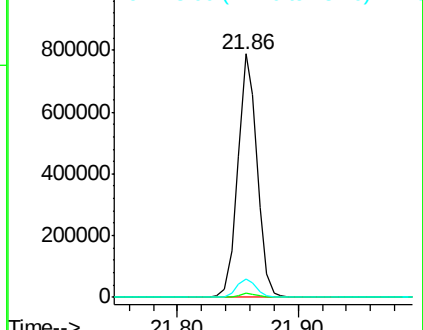
43 7.5 5.8 8.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.380 ng

RT: 25.22 min Scan# 3797

Delta R.T. -0.02 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

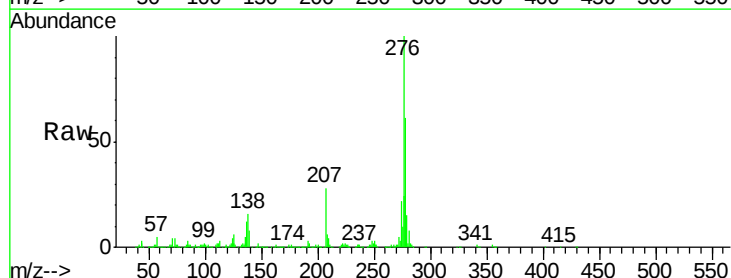
Tgt Ion:276 Resp: 1040544

Ion Ratio Lower Upper

276 100

138 17.2 13.4 20.0

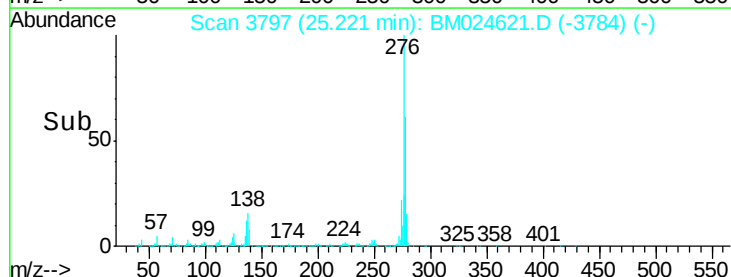
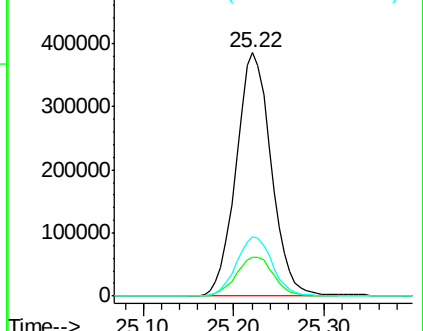
277 25.0 19.6 29.4

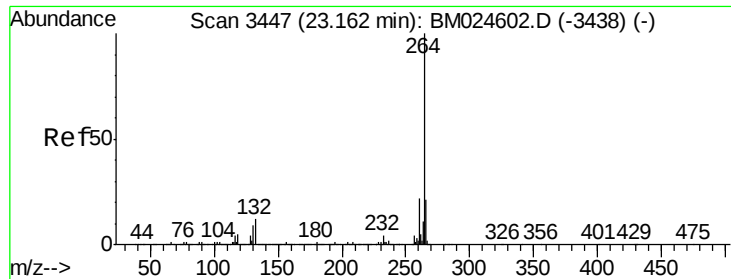


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.16 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

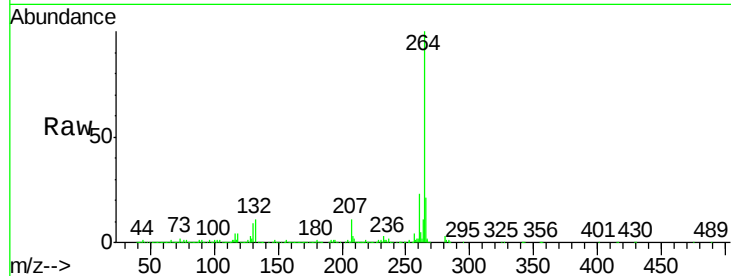
Tot Ion:264 Resp: 1717032

Ion Ratio Lower Upper

264 100

260 22.8 17.9 26.9

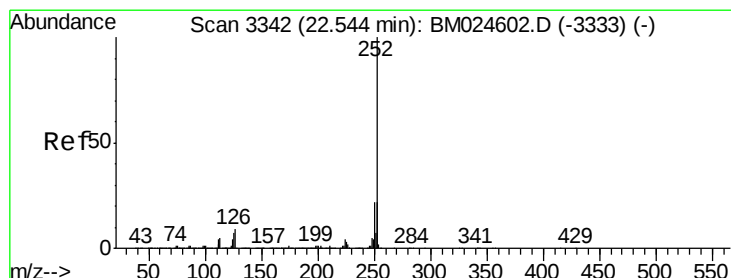
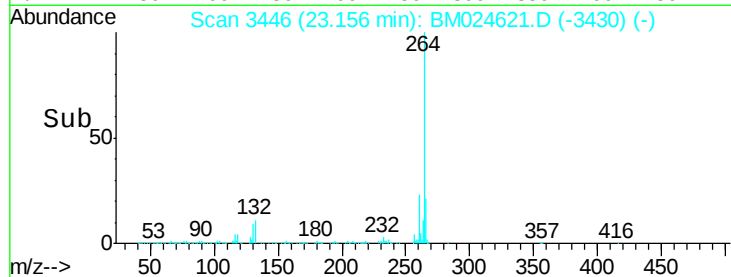
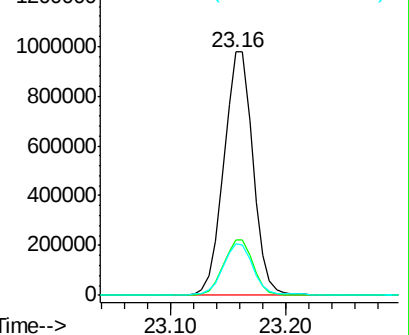
265 21.4 17.3 25.9



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: 8.912 ng

RT: 22.54 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

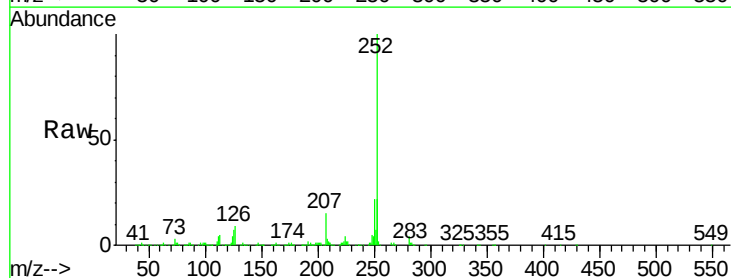
Tgt Ion:252 Resp: 992501

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

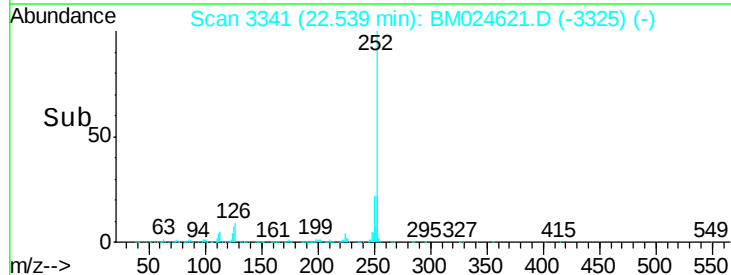
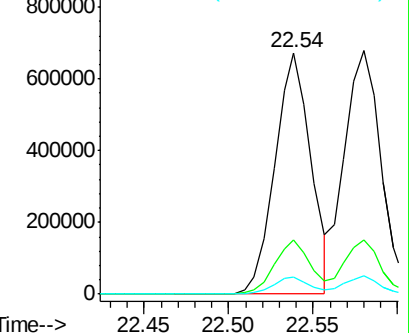
125 7.0 5.7 8.5

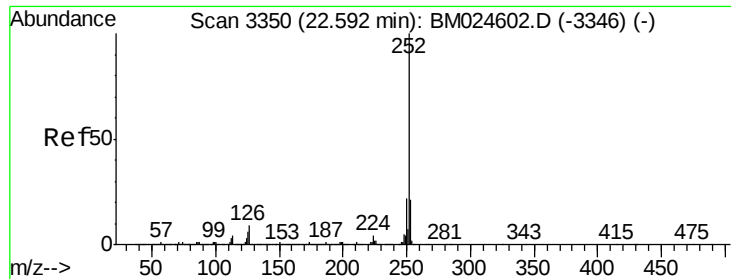


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

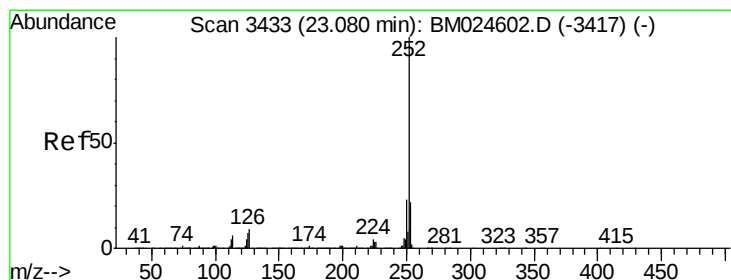
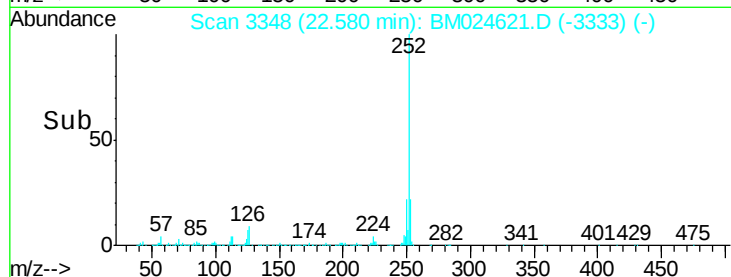
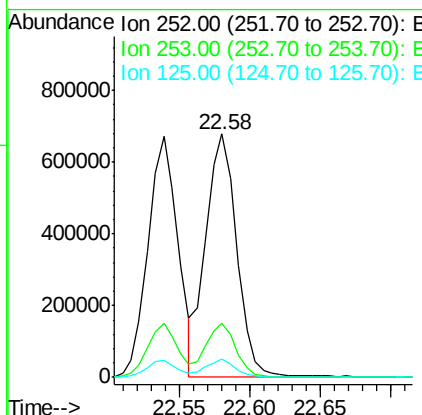
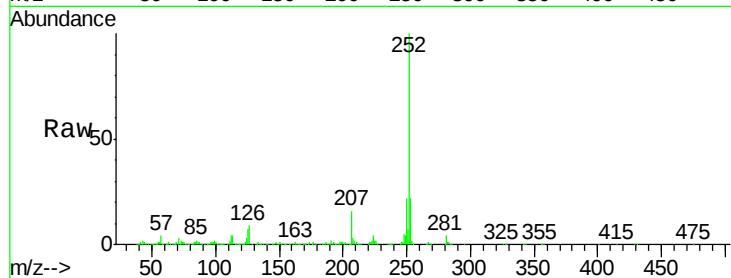




#89
Benzo(k)fluoranthene
Concen: 9.440 ng
RT: 22.58 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

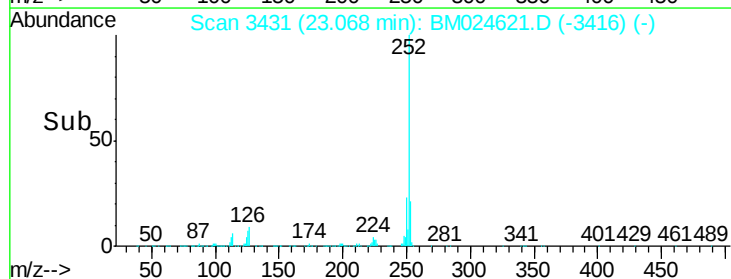
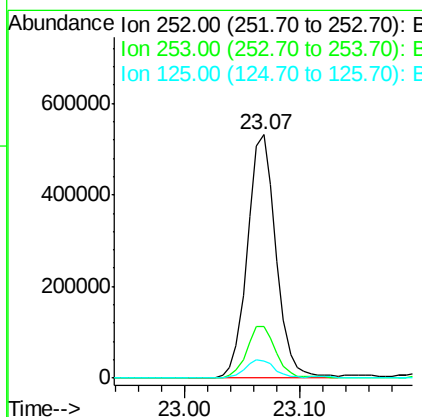
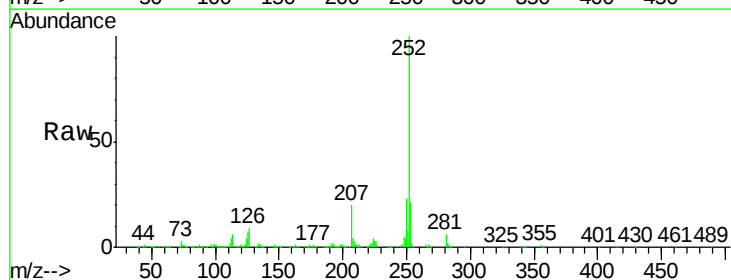
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2019

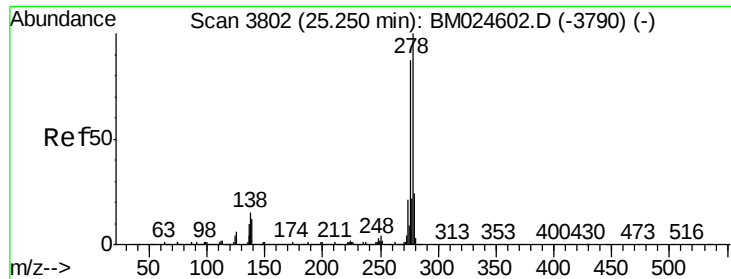
Tot Ion:252 Resp: 1026169
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 7.3 5.2 7.8



#90
Benzo(a)pyrene
Concen: 9.037 ng
RT: 23.07 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM024621.D
Acq: 24 Jan 2020 15:31

Tgt Ion:252 Resp: 915015
Ion Ratio Lower Upper
252 100
253 21.4 17.3 25.9
125 6.9 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 9.063 ng

RT: 25.23 min Scan# 3799

Delta R.T. -0.02 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2019

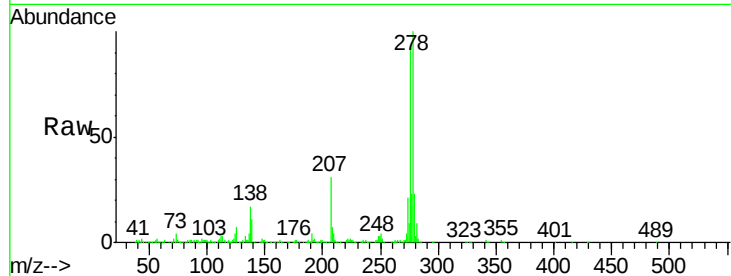
Tot Ion:278 Resp: 870908

Ion Ratio Lower Upper

278 100

139 11.3 9.3 13.9

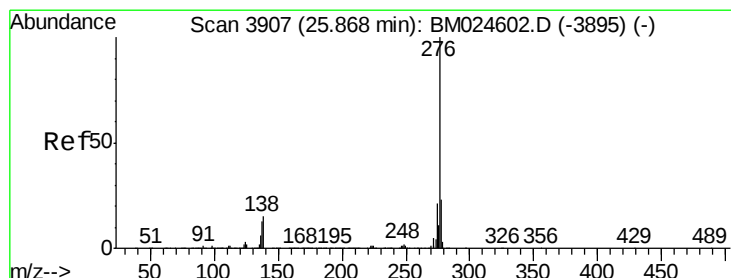
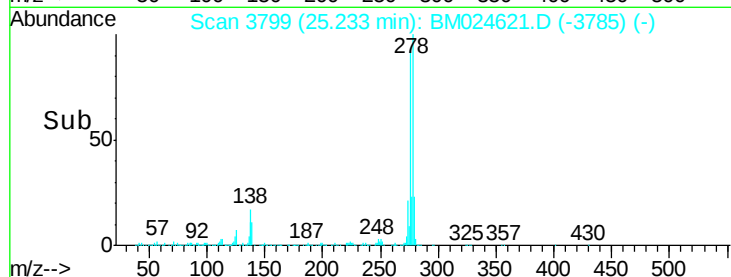
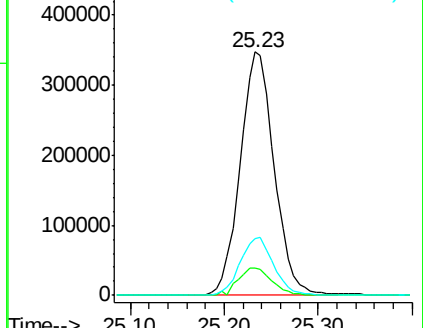
279 23.4 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.128 ng

RT: 25.84 min Scan# 3903

Delta R.T. -0.02 min

Lab File: BM024621.D

Acq: 24 Jan 2020 15:31

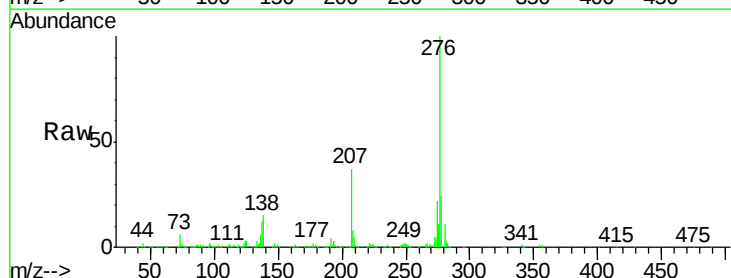
Tgt Ion:276 Resp: 796463

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 15.2 11.9 17.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

