

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041422.D
 Acq On : 24 Jun 2019 13:02
 Operator : HP/JU
 Sample : K2241-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Quant Time: Jun 25 05:05:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	22486	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	83610	20.00	ng	-0.05
39) Acenaphthene-d10	14.68	164	62807	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	174288	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	192086	20.00	ng	-0.04
87) Perylene-d12	24.99	264	196760	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	155832	127.34	ng	-0.04
7) Phenol-d6	7.19	99	224239	126.41	ng	-0.04
23) Nitrobenzene-d5	9.22	82	179920	90.50	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	150018	155.58	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	439824	95.18	ng	-0.03
79) Terphenyl-d14	20.03	244	937088	96.68	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.86	79	7517	4.617	ng	98
4) n-Nitrosodimethylamine	3.78	42	4765	5.489	ng	# 63
6) Aniline	7.37	93	16099	6.529	ng	99
8) 2-Chlorophenol	7.60	128	10051	6.990	ng	93
9) Benzaldehyde	7.19	77	11784	10.386	ng	88
10) Phenol	7.22	94	12977	6.803	ng	91
11) bis(2-Chloroethyl)ether	7.46	93	10907	7.536	ng	89
12) 1,3-Dichlorobenzene	7.93	146	12320	6.843	ng	90
13) 1,4-Dichlorobenzene	8.08	146	13611	7.401	ng	94
14) 1,2-Dichlorobenzene	8.39	146	12303	7.004	ng	97
15) Benzyl Alcohol	8.30	79	6157	3.623	ng	# 79
16) 2,2'-oxybis(1-Chloropropan	8.56	45	15447	6.519	ng	87
17) 2-Methylphenol	8.49	107	10385	7.615	ng	93
18) Hexachloroethane	9.12	117	5256	7.212	ng	94
19) n-Nitroso-di-n-propylamine	8.85	70	10246	7.142	ng	91
20) 3+4-Methylphenols	8.82	107	11544	6.359	ng	95
22) Acetophenone	8.87	105	20449	8.405	ng	# 95
24) Nitrobenzene	9.27	77	17018	8.511	ng	# 91
25) Isophorone	9.77	82	28665	7.859	ng	# 96
26) 2-Nitrophenol	9.99	139	5638	6.955	ng	93
27) 2,4-Dimethylphenol	10.03	122	9850	8.107	ng	98
28) bis(2-Chloroethoxy)methane	10.27	93	13419	7.061	ng	98
29) 2,4-Dichlorophenol	10.53	162	10372	6.884	ng	96
30) 1,2,4-Trichlorobenzene	10.72	180	14614	7.574	ng	94
31) Naphthalene	10.91	128	36076	7.939	ng	98
33) 4-Chloroaniline	11.04	127	12480	6.467	ng	# 87
34) Hexachlorobutadiene	11.17	225	11752	7.673	ng	94
35) Caprolactam	11.82	113	3209	6.187	ng	# 58
36) 4-Chloro-3-methylphenol	12.15	107	12563	7.219	ng	91
37) 2-Methylnaphthalene	12.52	142	26745	7.991	ng	96
38) 1-Methylnaphthalene	12.74	142	26461	8.264	ng	90
40) 1,2,4,5-Tetrachlorobenzene	12.88	216	21900	8.444	ng	# 97
41) Hexachlorocyclopentadiene	12.84	237	9116	5.218	ng	94
43) 2,4,6-Trichlorophenol	13.21	196	10706	6.673	ng	95

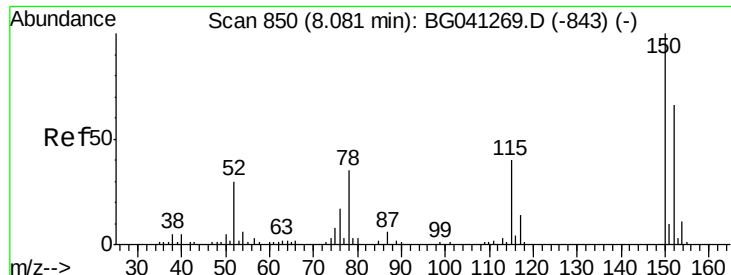
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041422.D
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 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.21	196	10706	6.485	ng	96
46) 1,1'-Biphenyl	13.52	154	39401	8.298	ng	98
47) 2-Chloronaphthalene	13.56	162	29731	7.273	ng	93
48) 2-Nitroaniline	13.79	65	10837	7.238	ng	96
49) Acenaphthylene	14.41	152	49753	8.020	ng	96
50) Dimethylphthalate	14.13	163	43936	7.862	ng	96
51) 2,6-Dinitrotoluene	14.26	165	9234	7.837	ng	92
52) Acenaphthene	14.74	154	29301	8.044	ng	97
53) 3-Nitroaniline	14.62	138	7113	6.127	ng #	95
54) 2,4-Dinitrophenol	14.84	184	2088	7.161	ng	99
55) Dibenzofuran	15.08	168	51757	8.172	ng	99
56) 4-Nitrophenol	14.93	139	3298	6.805	ng #	82
57) 2,4-Dinitrotoluene	15.06	165	13857	8.045	ng #	89
58) Fluorene	15.73	166	41453	8.320	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.31	232	13699	8.025	ng #	99
60) Diethylphthalate	15.48	149	45548	8.019	ng	97
61) 4-Chlorophenyl-phenylether	15.71	204	25702	7.929	ng	98
62) 4-Nitroaniline	15.77	138	6509	5.242	ng	85
63) Azobenzene	16.01	77	39897	7.873	ng	98
65) 4,6-Dinitro-2-methylphenol	15.83	198	6041	5.340	ng	92
66) n-Nitrosodiphenylamine	15.93	169	37093	8.015	ng	98
67) 4-Bromophenyl-phenylether	16.61	248	16186	7.182	ng	98
68) Hexachlorobenzene	16.72	284	18423	7.634	ng	97
69) Atrazine	16.87	200	15402	7.042	ng	98
70) Pentachlorophenol	17.09	266	3807	3.081	ng	88
71) Phenanthrene	17.47	178	76715	8.253	ng	96
72) Anthracene	17.56	178	78282	8.542	ng	98
73) Carbazole	17.84	167	65399	8.158	ng	97
74) Di-n-butylphthalate	18.36	149	78951	7.893	ng #	96
75) Fluoranthene	19.48	202	103553	8.385	ng	98
77) Benzidine	19.67	184	32510	6.997	ng	98
78) Pyrene	19.84	202	107714	8.315	ng	98
80) Butylbenzylphthalate	20.70	149	37494	7.652	ng	92
81) Benzo(a)anthracene	21.68	228	102214	7.859	ng	98
82) 3,3'-Dichlorobenzidine	21.60	252	36076	7.902	ng	100
83) Chrysene	21.75	228	101488	8.114	ng	95
84) Bis(2-ethylhexyl)phthalate	21.55	149	51996	7.787	ng #	97
85) Di-n-octyl phthalate	22.76	149	87393	7.736	ng	98
86) Indeno(1,2,3-cd)pyrene	28.75	276	110247	7.429	ng #	78
88) Benzo(b)fluoranthene	23.93	252	95644	7.844	ng	99
89) Benzo(k)fluoranthene	24.00	252	96121	7.957	ng	99
90) Benzo(a)pyrene	24.83	252	93235	8.096	ng	99
91) Dibenzo(a,h)anthracene	28.80	278	91093	7.857	ng	97
92) Benzo(g,h,i)perylene	29.94	276	90015	7.856	ng #	97

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

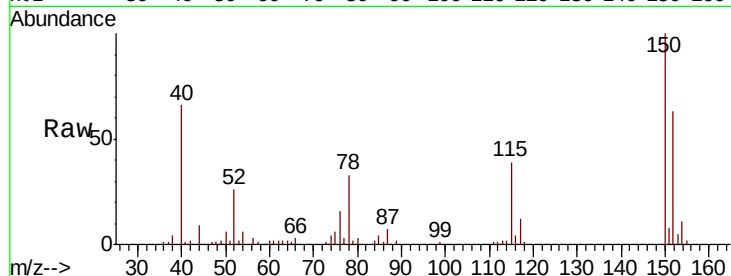


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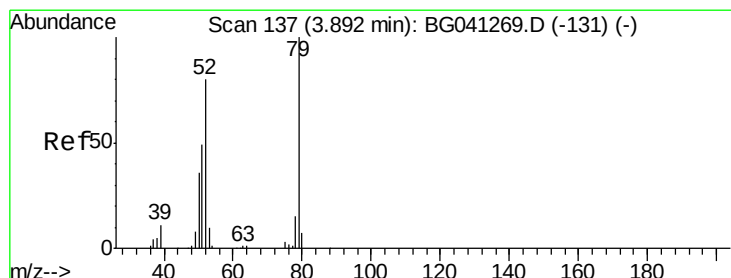
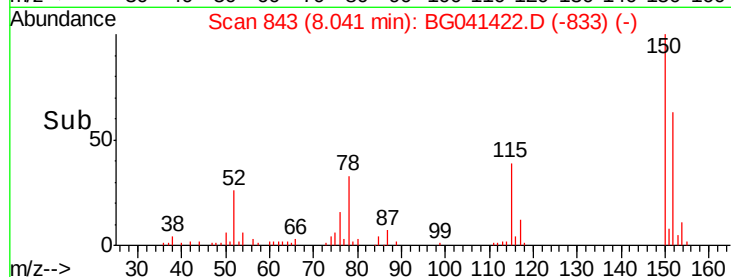
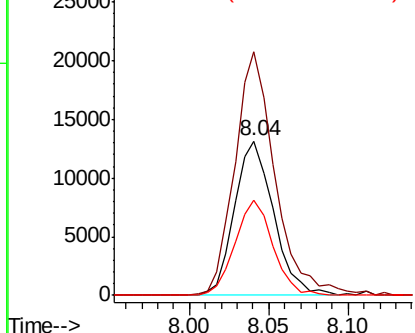
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:152 Resp: 22486
Ion Ratio Lower Upper
152 100
150 157.9 120.6 181.0
115 61.8 47.9 71.9



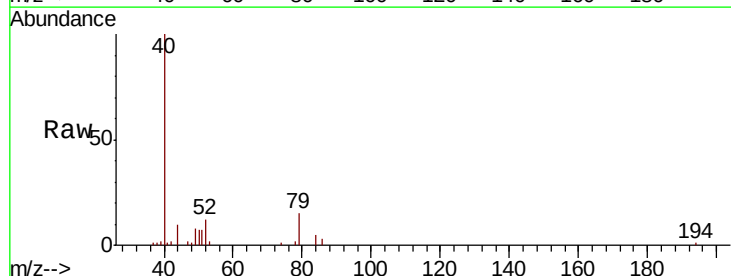
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



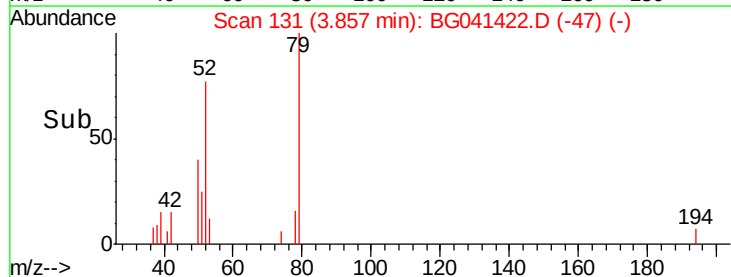
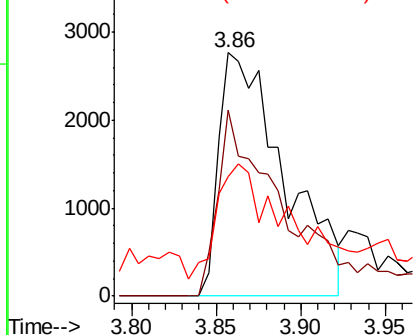
#3

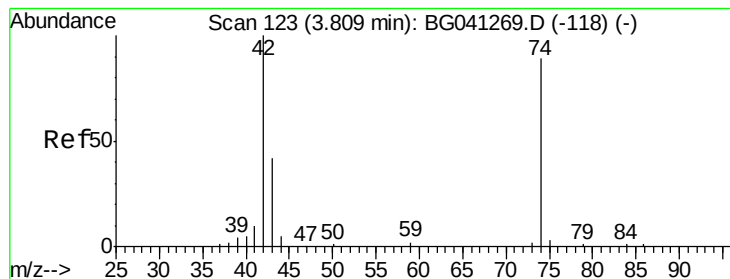
Pyridine
Concen: 4.617 ng
RT: 3.86 min Scan# 131
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion: 79 Resp: 7517
Ion Ratio Lower Upper
79 100
52 76.6 63.6 95.4
51 49.0 39.8 59.6



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC





#4

n-Nitrosodimethylamine

Concen: 5.489 ng

RT: 3.78 min Scan# 118

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

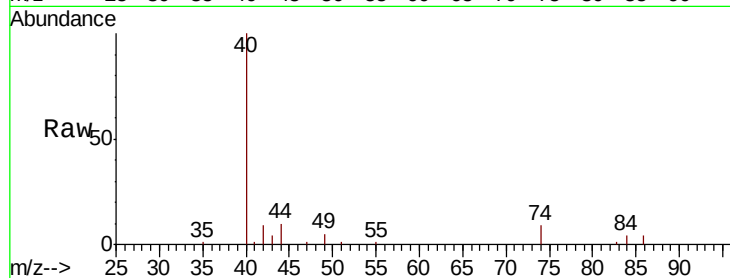
Tgt Ion: 42 Resp: 4765

Ion Ratio Lower Upper

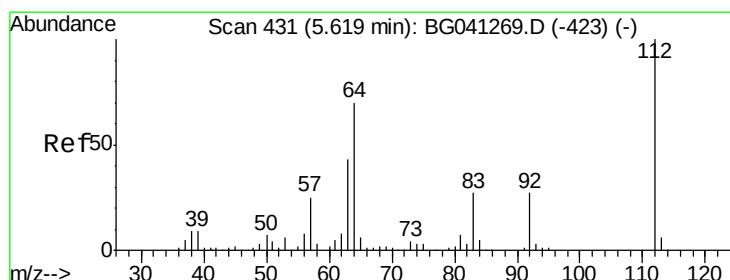
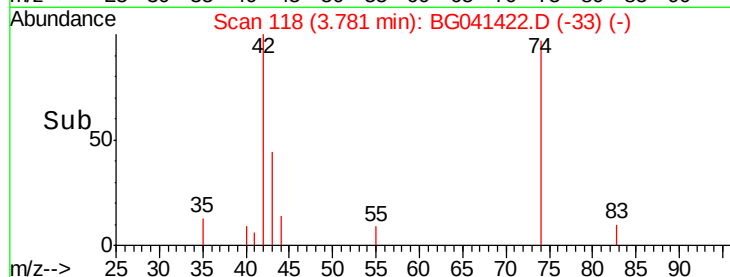
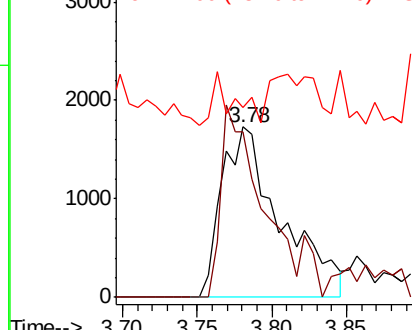
42 100

74 97.4 71.6 107.4

44 111.2 9.0 13.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 127.336 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

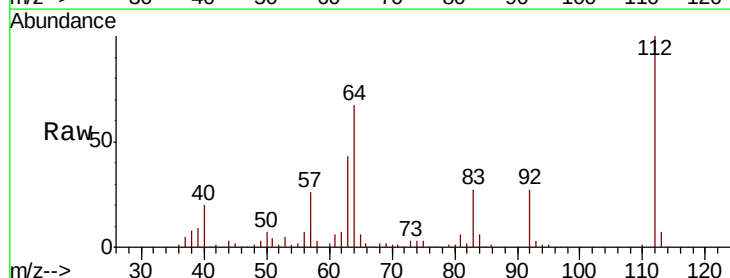
Tgt Ion: 112 Resp: 155832

Ion Ratio Lower Upper

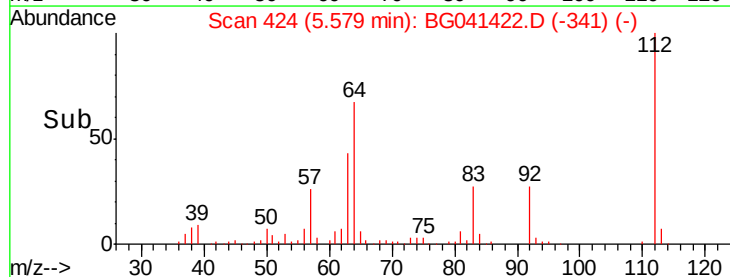
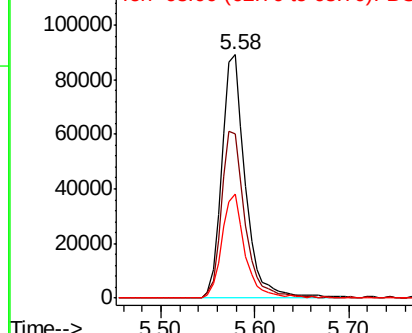
112 100

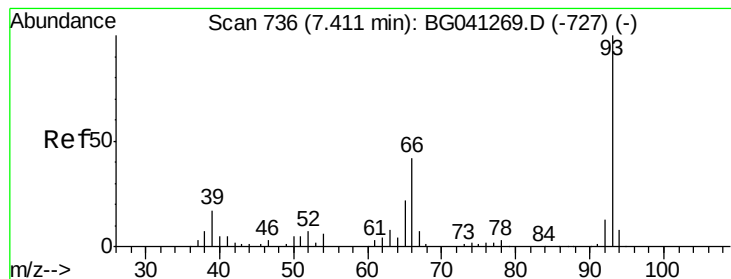
64 67.5 55.9 83.9

63 42.6 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 6.529 ng

RT: 7.37 min Scan# 729

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

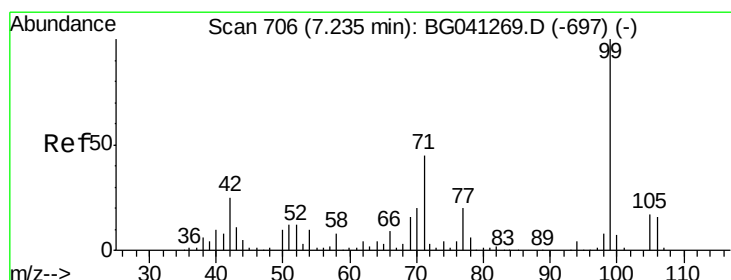
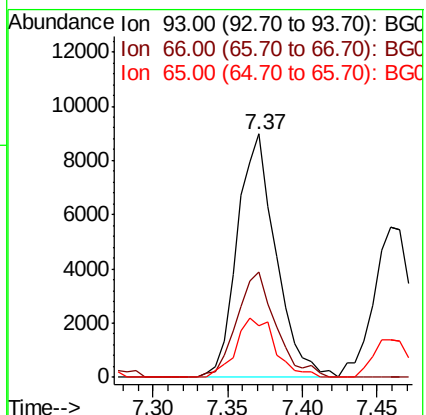
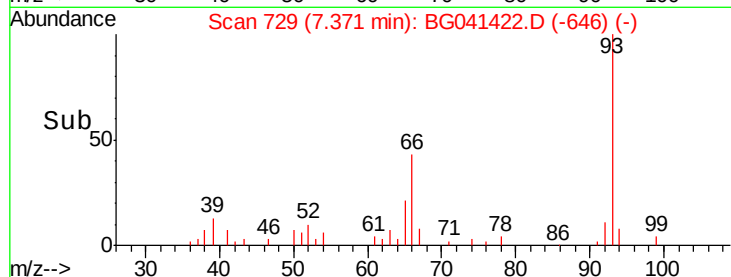
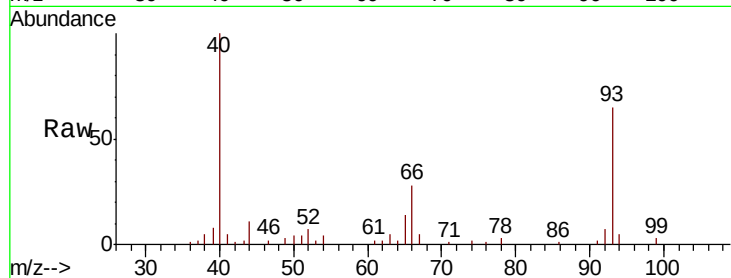
Tgt Ion: 93 Resp: 16099

Ion Ratio Lower Upper

93 100

66 43.2 34.2 51.2

65 21.2 17.7 26.5



#7

Phenol-d6

Concen: 126.411 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

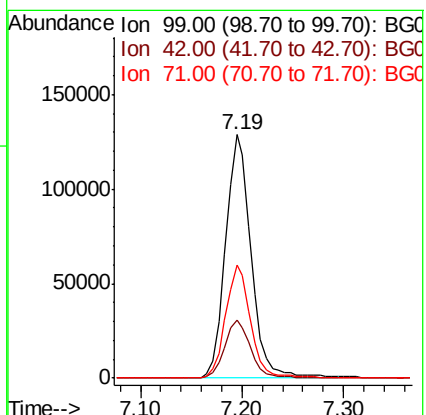
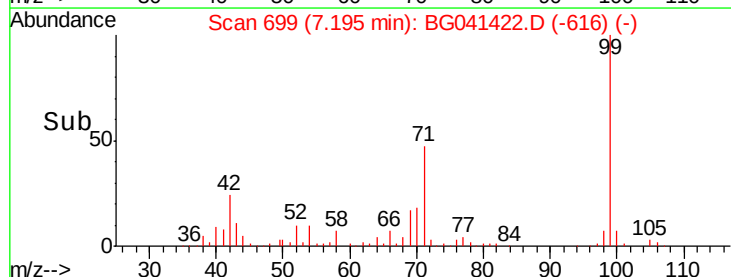
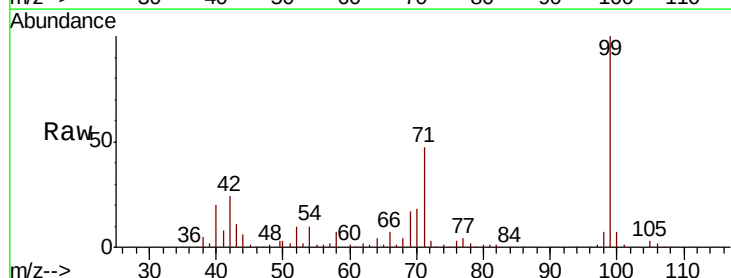
Tgt Ion: 99 Resp: 224239

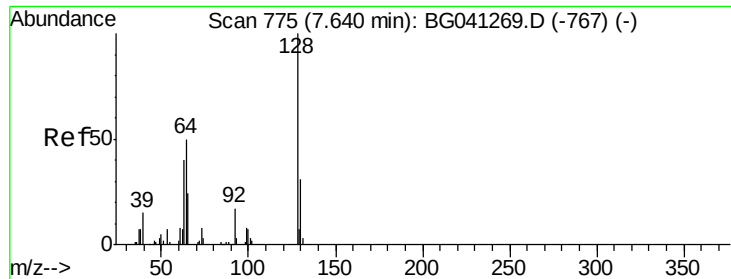
Ion Ratio Lower Upper

99 100

42 24.0 19.9 29.9

71 46.7 36.4 54.6





#8

2-Chlorophenol

Concen: 6.990 ng

RT: 7.60 min Scan# 768

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

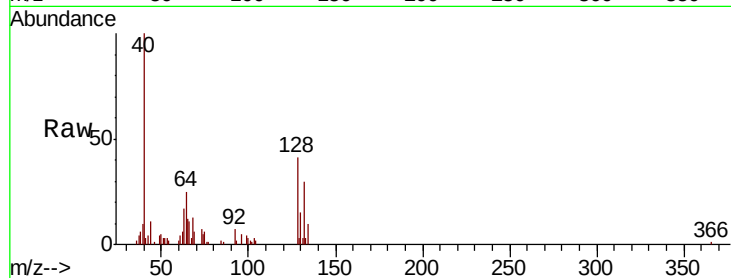
Tgt Ion:128 Resp: 10051

Ion Ratio Lower Upper

128 100

130 36.8 11.1 51.1

64 60.5 36.6 76.6

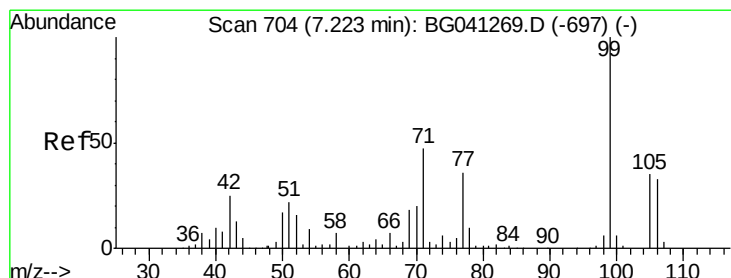
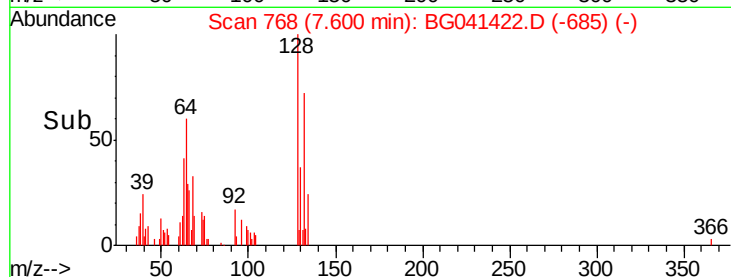
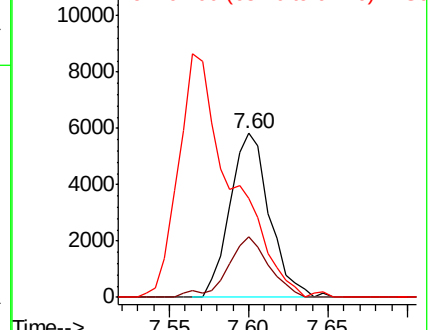


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC



#9

Benzaldehyde

Concen: 10.386 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

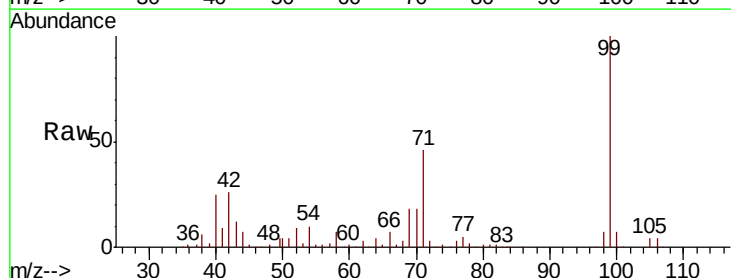
Tgt Ion: 77 Resp: 11784

Ion Ratio Lower Upper

77 100

105 85.8 78.7 118.7

106 80.5 71.1 111.1

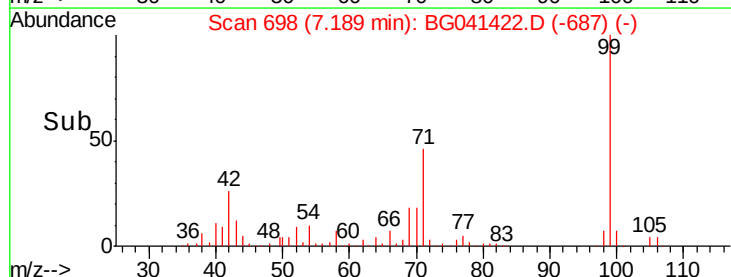
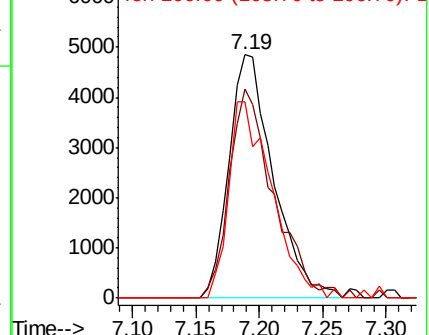


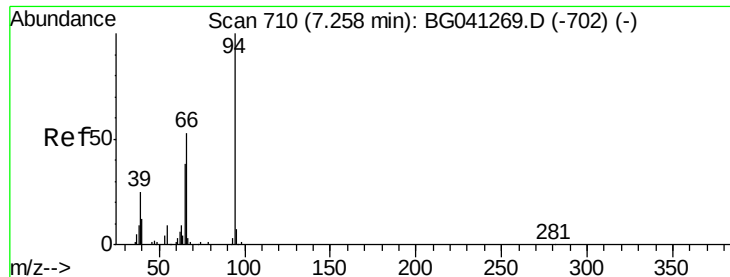
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.803 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

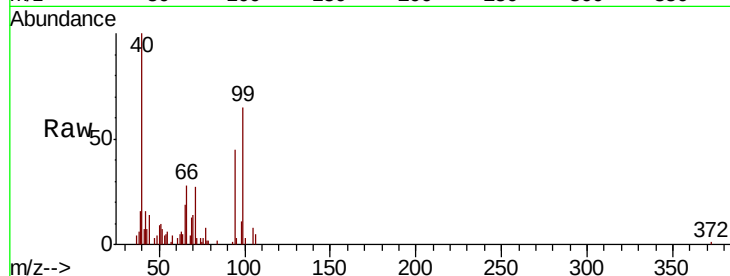
Tgt Ion: 94 Resp: 12977

Ion Ratio Lower Upper

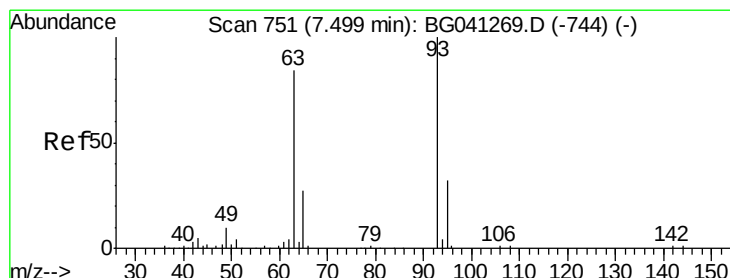
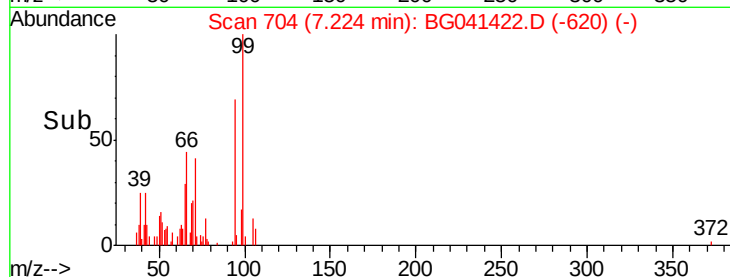
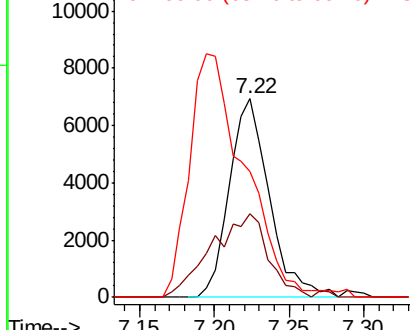
94 100

65 42.0 18.7 58.7

66 63.4 35.5 75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 7.536 ng

RT: 7.46 min Scan# 744

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

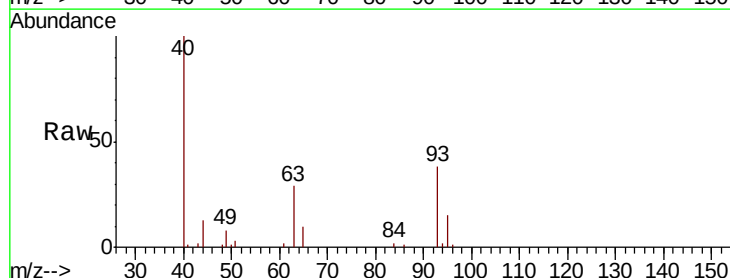
Tgt Ion: 93 Resp: 10907

Ion Ratio Lower Upper

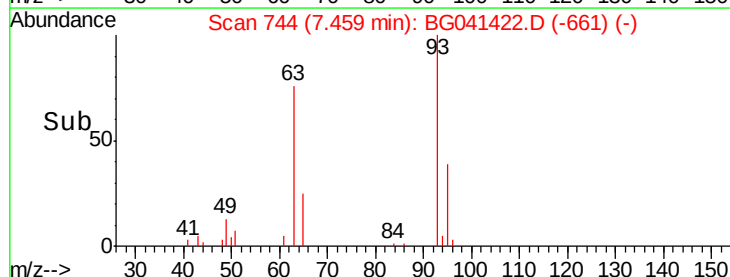
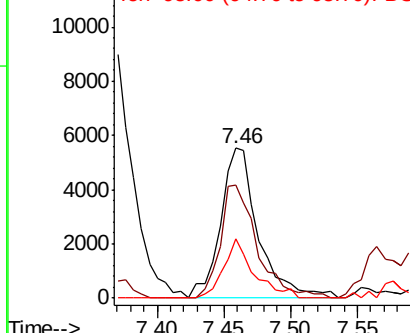
93 100

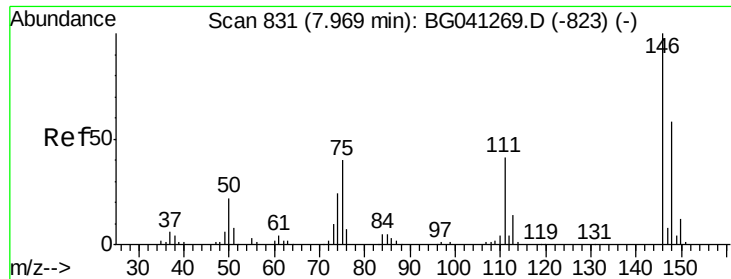
63 75.6 63.6 103.6

95 39.4 11.2 51.2



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

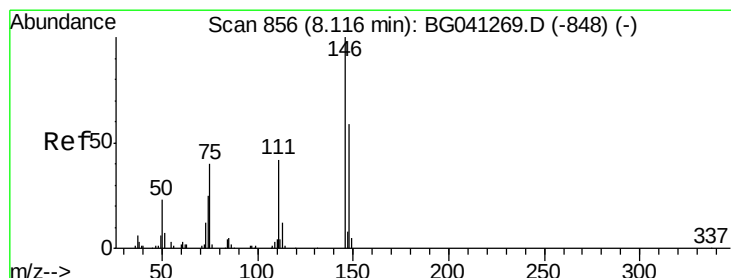
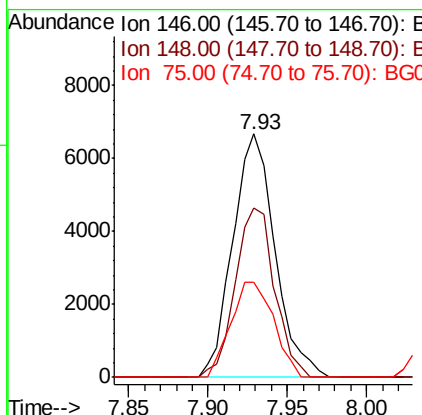
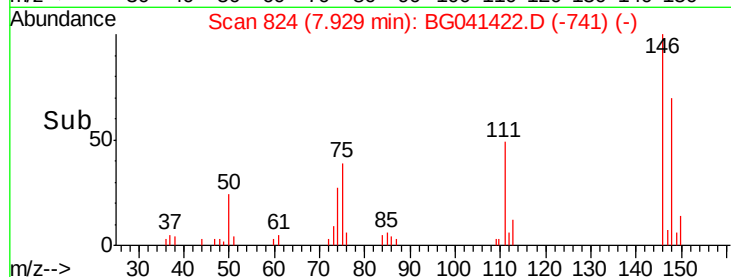
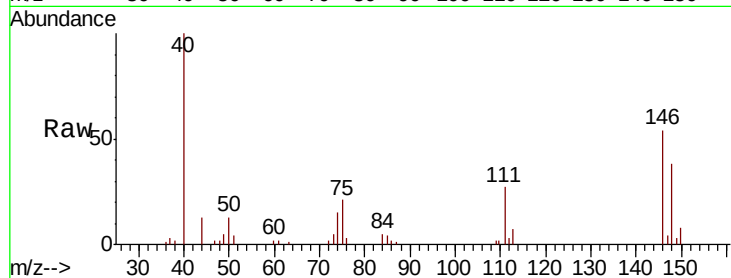




#12
 1,3-Dichlorobenzene
 Concen: 6.843 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.04 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

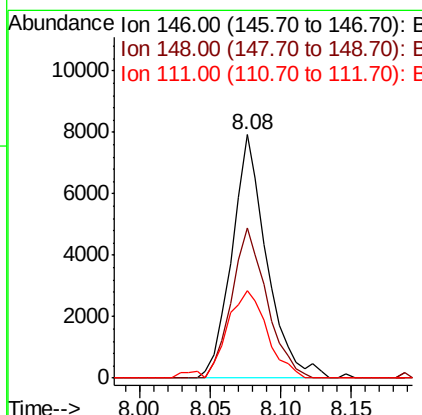
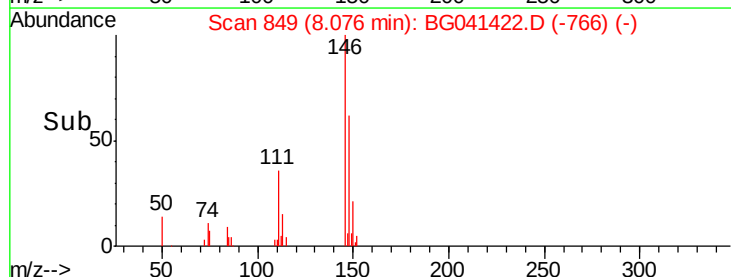
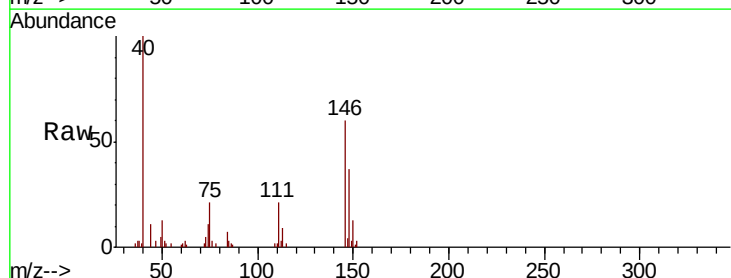
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

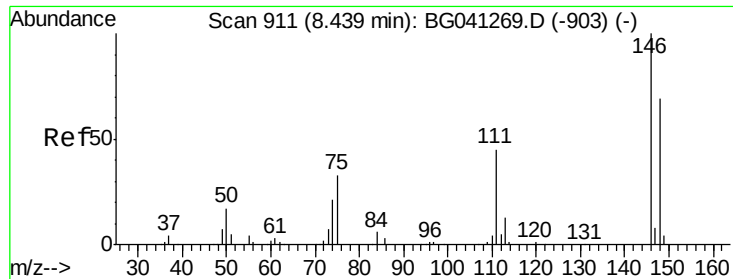
Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.6	46.5	69.7
75	38.8	32.2	48.4



#13
 1,4-Dichlorobenzene
 Concen: 7.401 ng
 RT: 8.08 min Scan# 849
 Delta R.T. -0.04 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.7	47.3	70.9
111	35.8	33.4	50.0

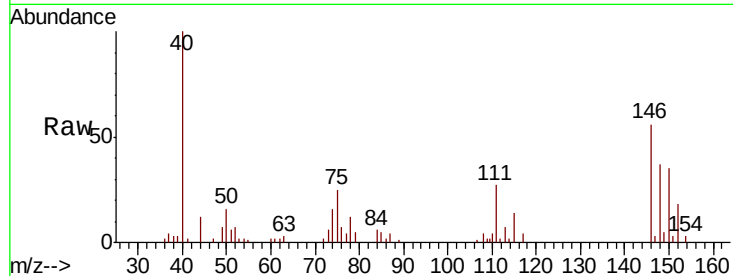




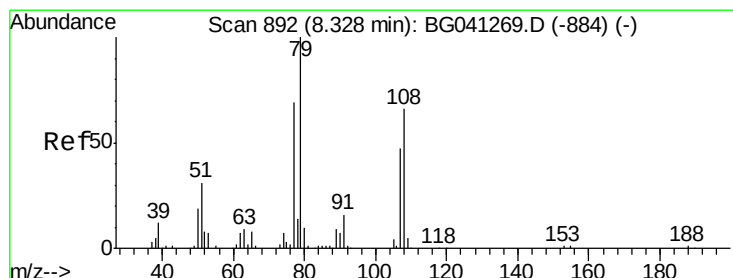
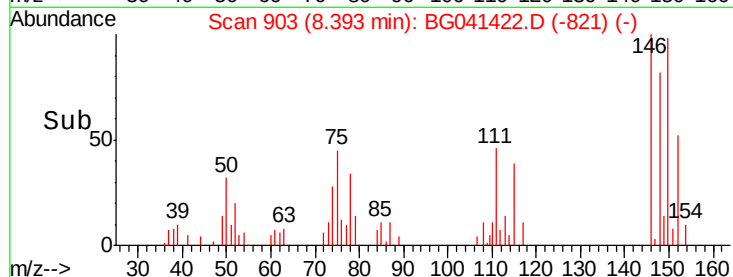
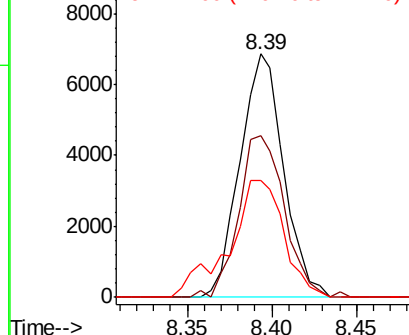
#14
 1,2-Dichlorobenzene
 Concen: 7.004 ng
 RT: 8.39 min Scan# 903
 Delta R.T. -0.05 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 146 Resp: 12303
 Ion Ratio Lower Upper
 146 100
 148 66.6 54.9 82.3
 111 48.2 37.0 55.6

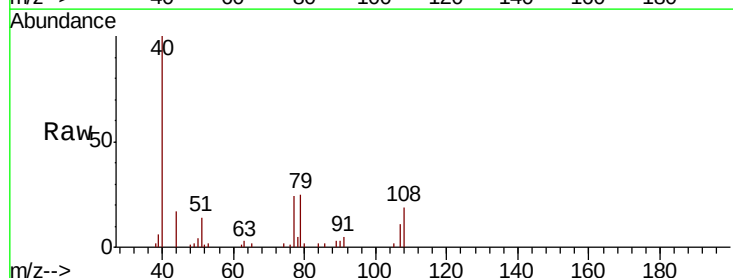


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

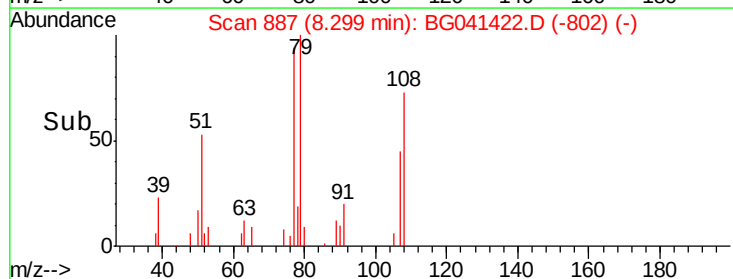
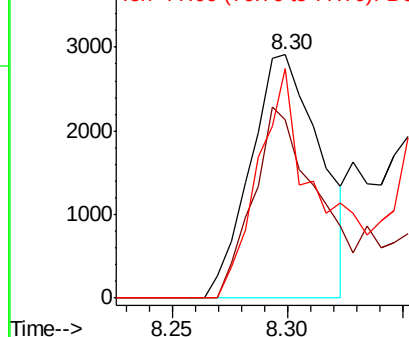


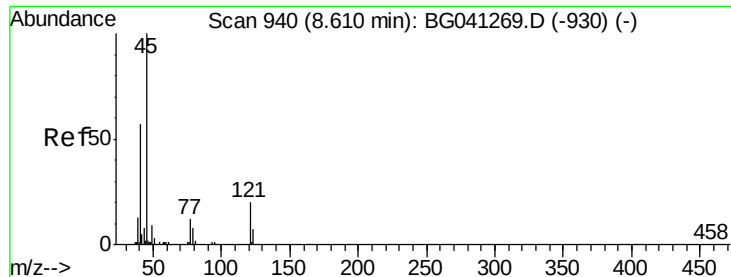
#15
 Benzyl Alcohol
 Concen: 3.623 ng
 RT: 8.30 min Scan# 887
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion: 79 Resp: 6157
 Ion Ratio Lower Upper
 79 100
 108 73.3 52.7 79.1
 77 94.4 55.2 82.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BGC

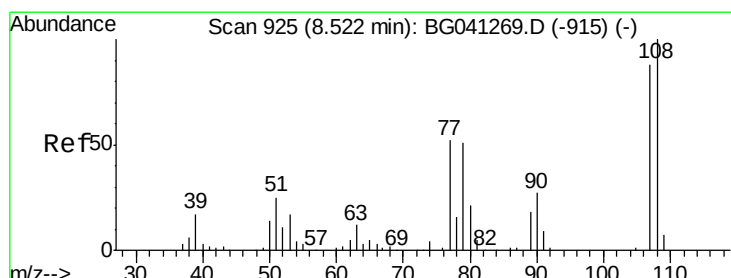
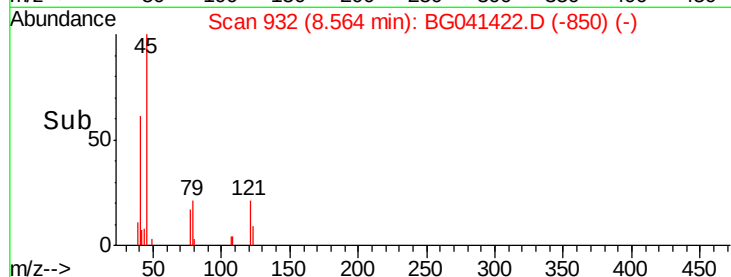
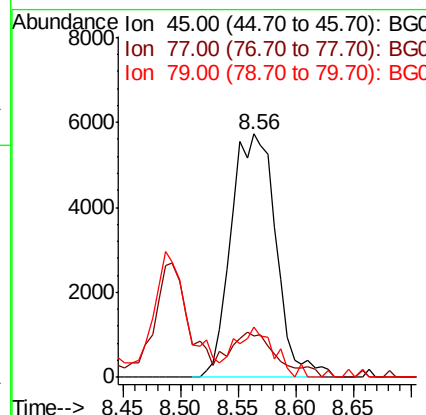
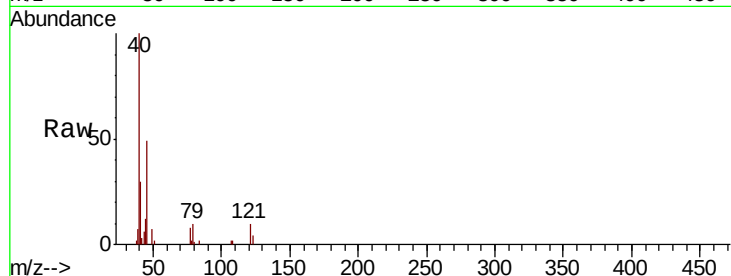




#16
2,2'-oxybis(1-chloropropane)
Concen: 6.519 ng
RT: 8.56 min Scan# 932
Delta R.T. -0.05 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

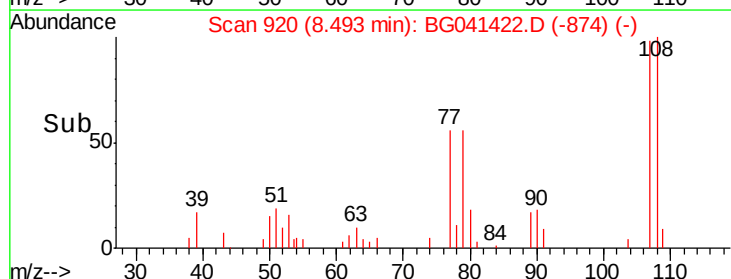
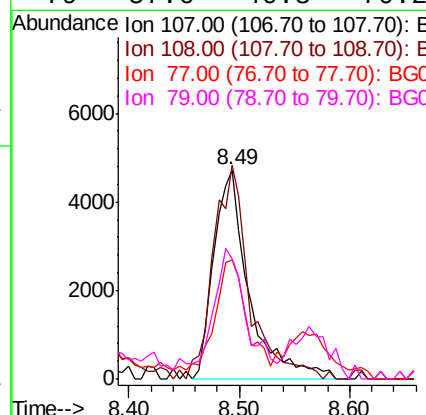
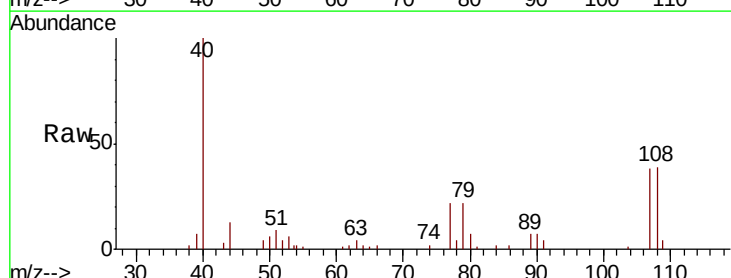
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

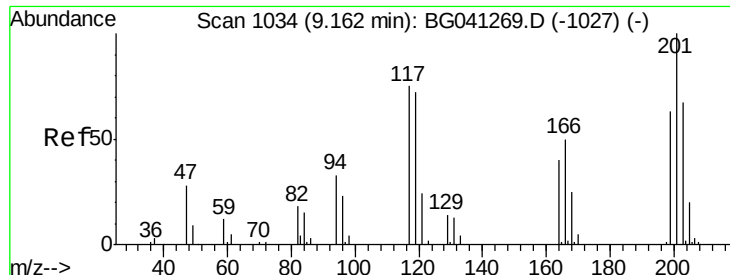
Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	35.2
79	20.7	0.0	31.6



#17
2-Methylphenol
Concen: 7.615 ng
RT: 8.49 min Scan# 920
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	102.4	91.7	137.5
77	57.0	47.8	71.8
79	57.6	46.8	70.2

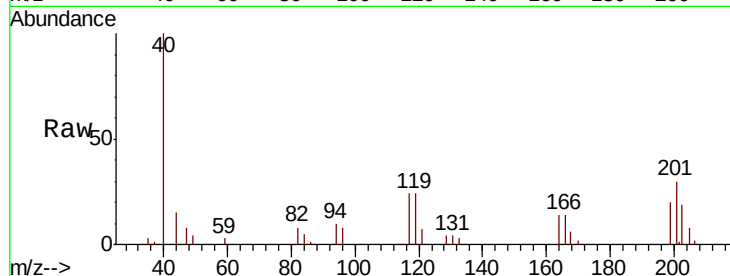




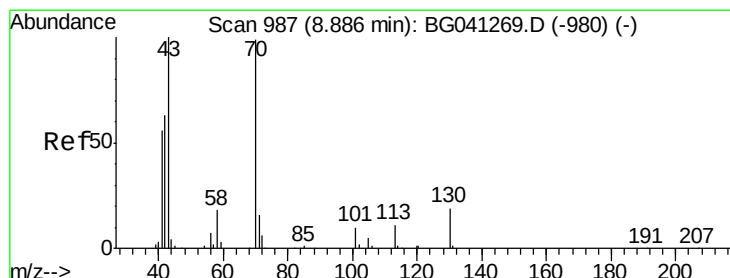
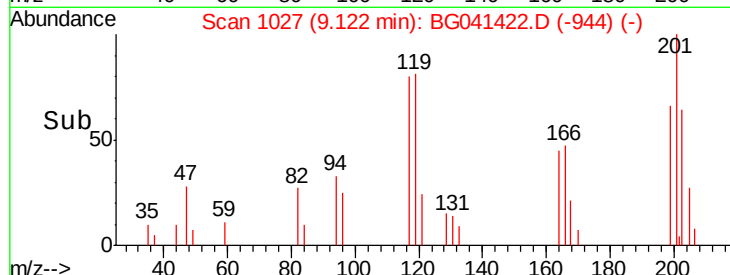
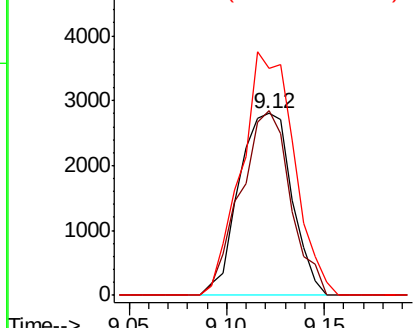
#18
Hexachloroethane
Concen: 7.212 ng
RT: 9.12 min Scan# 1027
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 117 Resp: 5256
Ion Ratio Lower Upper
117 100
119 101.2 76.8 115.2
201 125.1 106.3 159.5

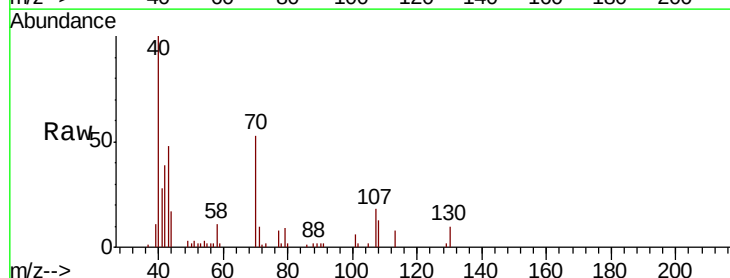


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

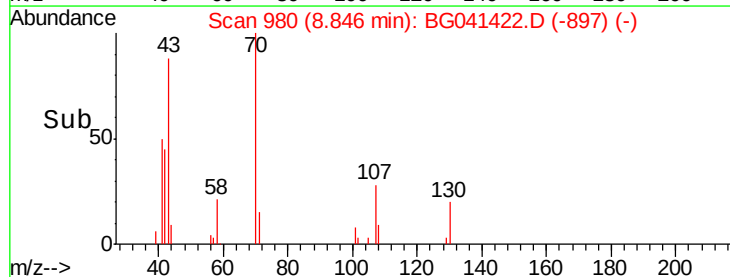
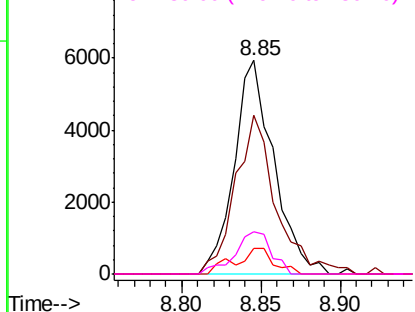


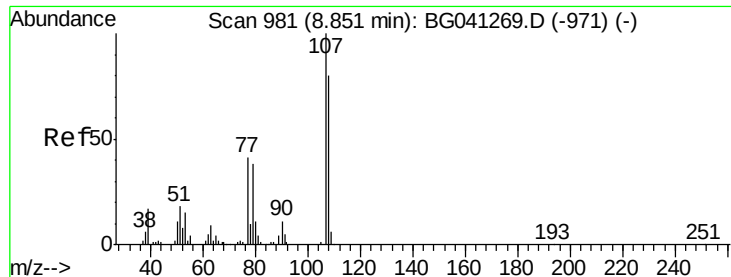
#19
n-Nitroso-di-n-propylamine
Concen: 7.142 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion: 70 Resp: 10246
Ion Ratio Lower Upper
70 100
42 74.1 51.4 77.2
101 11.7 8.2 12.2
130 19.5 15.2 22.8



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

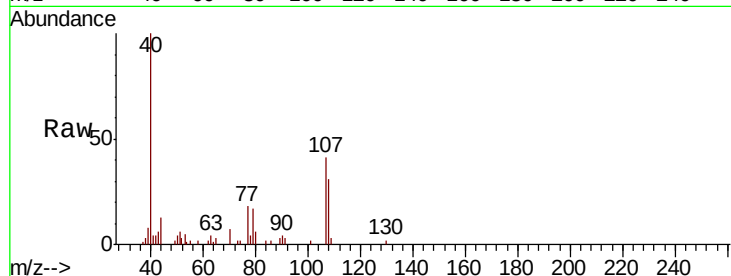




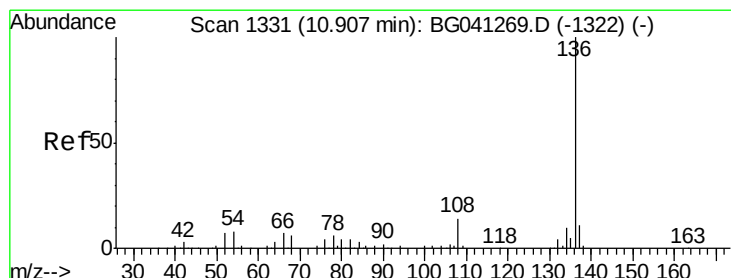
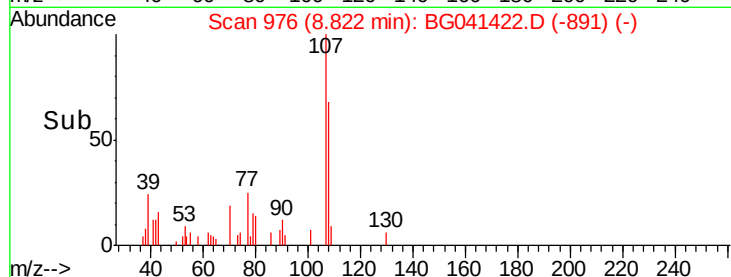
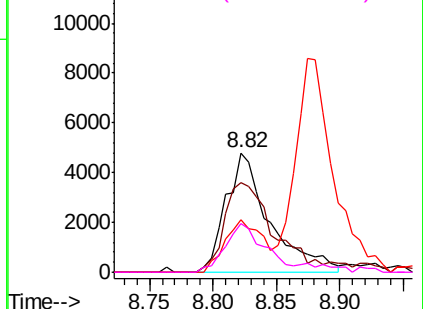
#20
3+4-Methylphenols
Concen: 6.359 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:	107	Resp:	11544
Ion	Ratio	Lower	Upper
107	100		
108	75.1	60.4	100.4
77	44.2	21.2	61.2
79	40.3	17.7	57.7

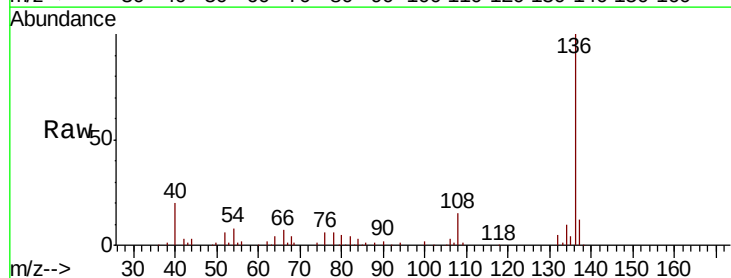


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

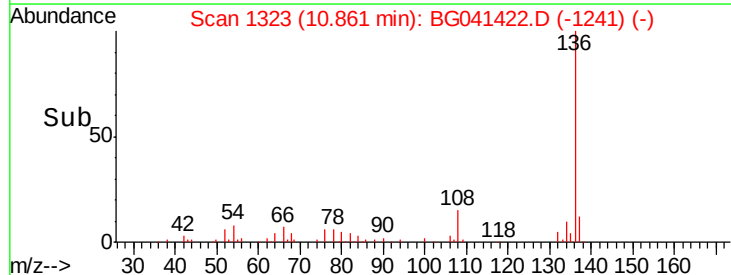
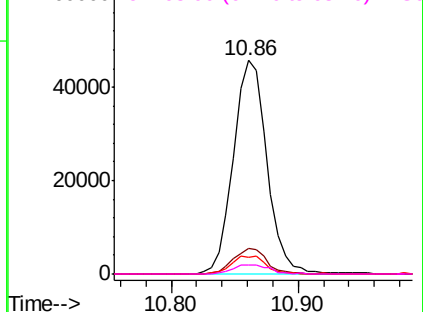


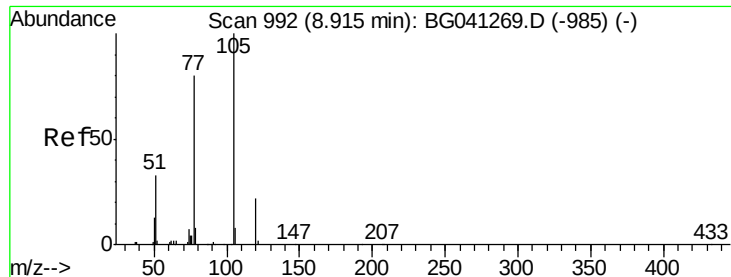
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.05 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:	136	Resp:	83610
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.8	13.2
54	7.8	6.4	9.6
68	4.8	4.8	7.2



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): BGC
Ion 68.00 (67.70 to 68.70): BGC





#22

Acetophenone

Concen: 8.405 ng

RT: 8.87 min Scan# 985

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 105 Resp: 20449

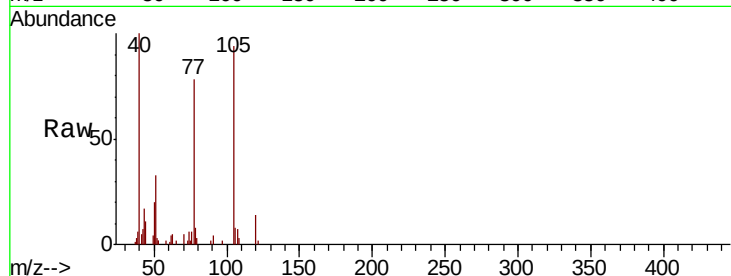
Ion Ratio Lower Upper

105 100

71 0.0 0.4 0.6#

51 35.3 28.2 42.4

120 14.9 17.4 26.0#

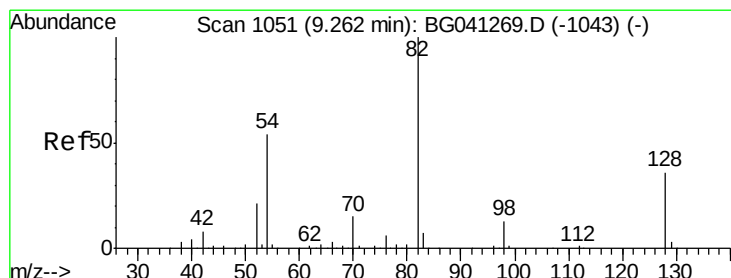
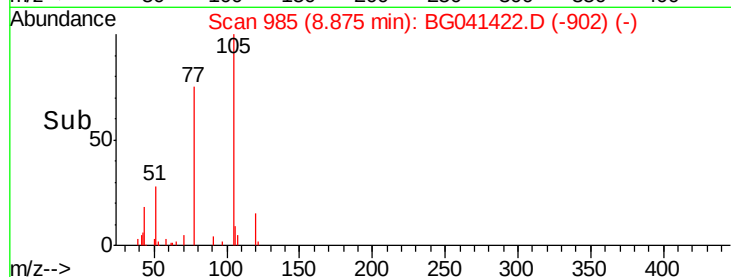
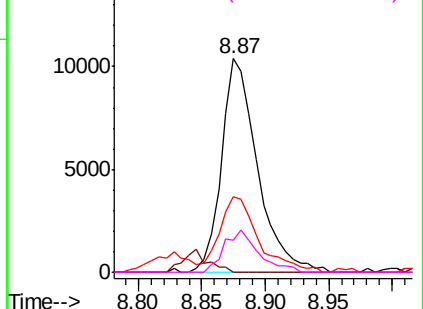


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 90.501 ng

RT: 9.22 min Scan# 1044

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

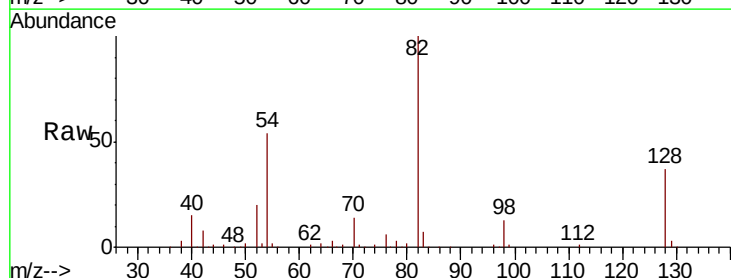
Tgt Ion: 82 Resp: 179920

Ion Ratio Lower Upper

82 100

128 36.8 29.2 43.8

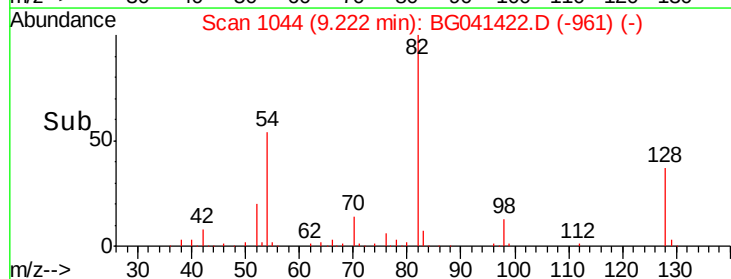
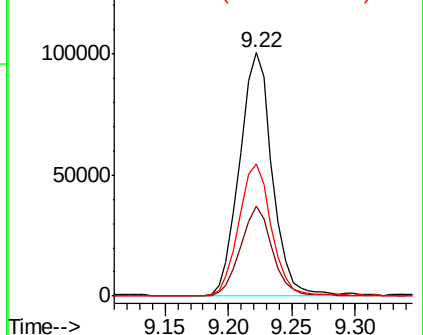
54 54.3 43.4 65.0

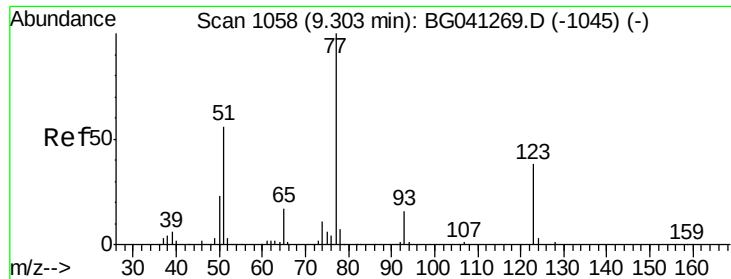


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

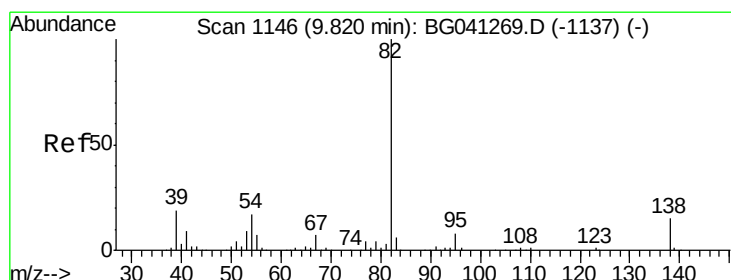
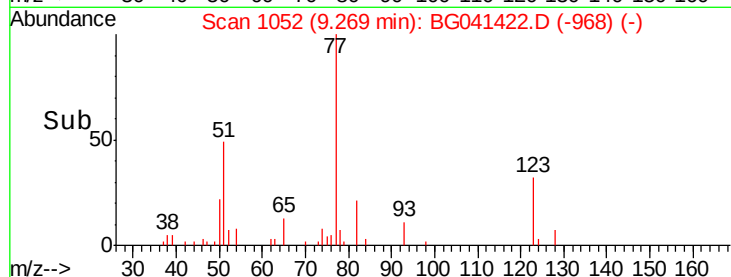
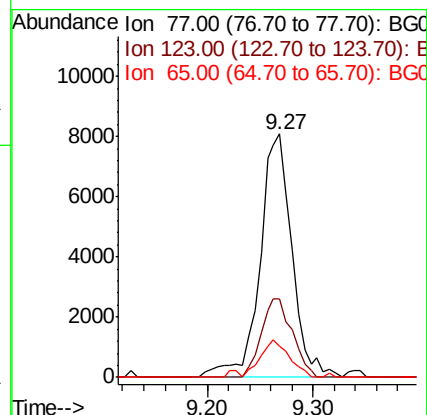
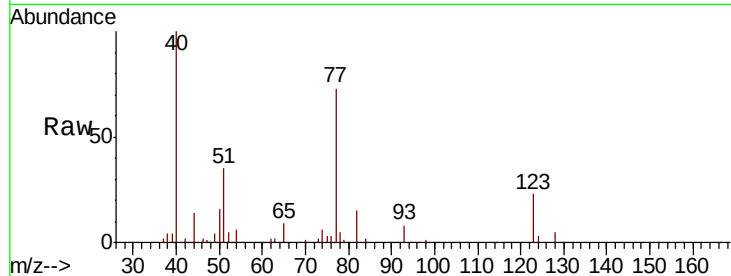




#24
 Nitrobenzene
 Concen: 8.511 ng
 RT: 9.27 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

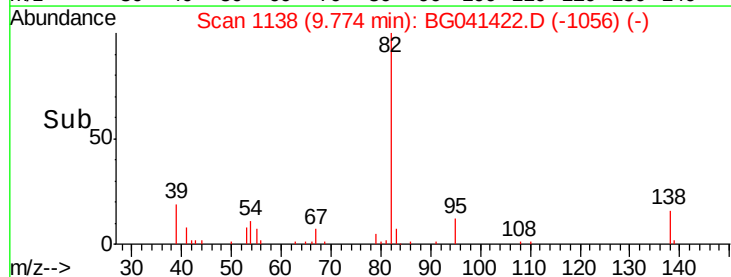
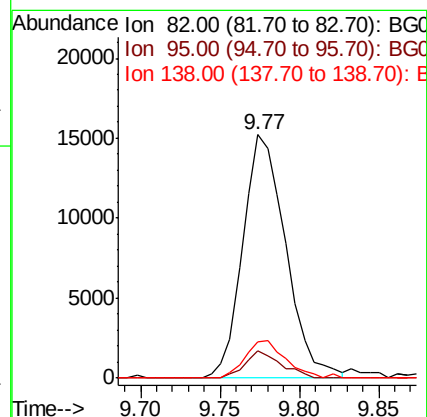
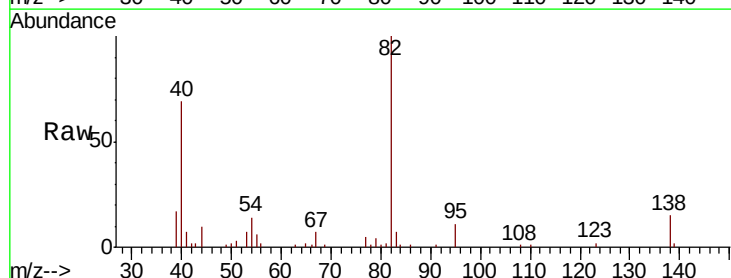
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

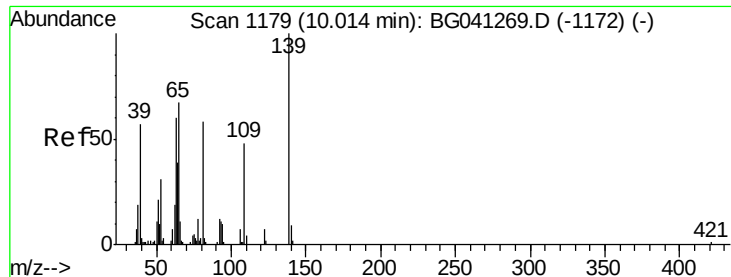
Tgt Ion: 77 Resp: 17018
 Ion Ratio Lower Upper
 77 100
 123 32.2 30.4 45.6
 65 12.7 13.3 19.9#



#25
 Isophorone
 Concen: 7.859 ng
 RT: 9.77 min Scan# 1138
 Delta R.T. -0.05 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion: 82 Resp: 28665
 Ion Ratio Lower Upper
 82 100
 95 11.2 6.6 10.0#
 138 14.7 12.3 18.5

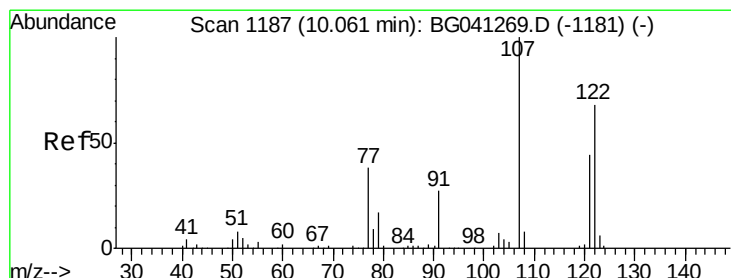
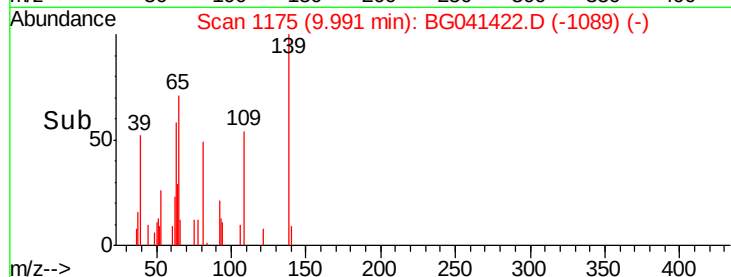
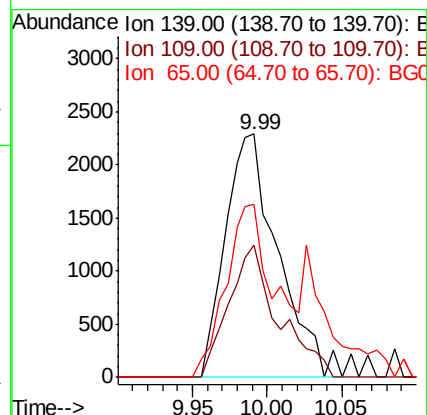
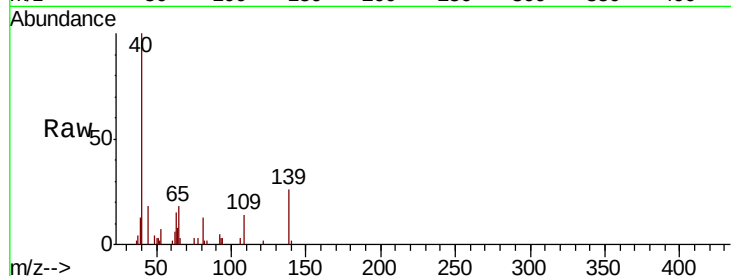




#26
2-Nitrophenol
Concen: 6.955 ng
RT: 9.99 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

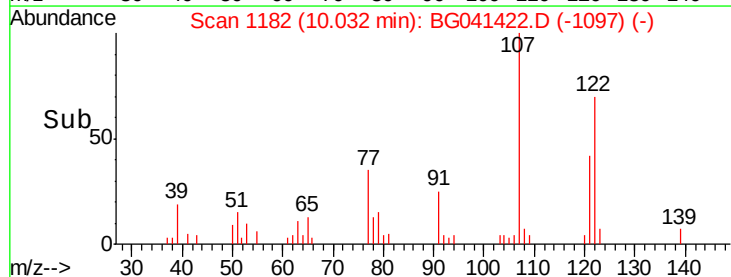
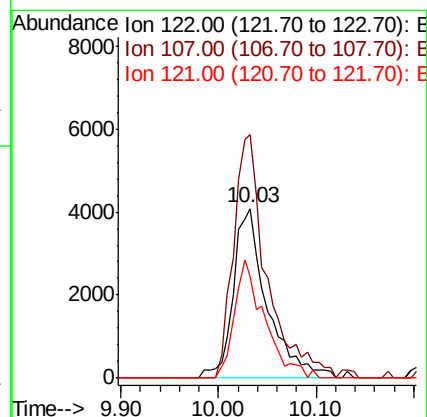
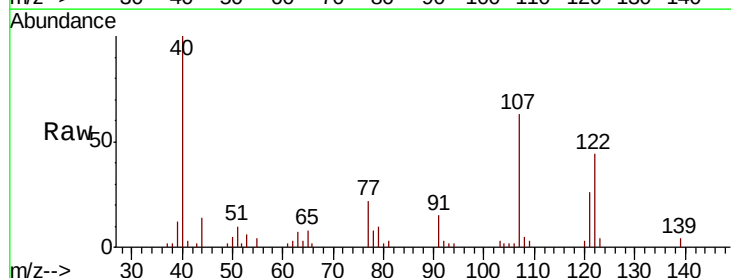
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

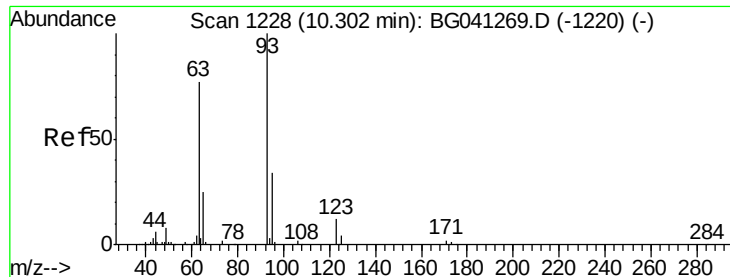
Tgt Ion:139 Resp: 5638
Ion Ratio Lower Upper
139 100
109 54.5 38.4 57.6
65 71.1 53.6 80.4



#27
2,4-Dimethylphenol
Concen: 8.107 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:122 Resp: 9850
Ion Ratio Lower Upper
122 100
107 143.2 115.1 172.7
121 59.5 50.1 75.1

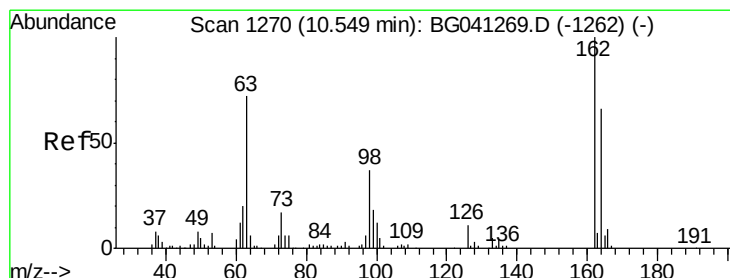
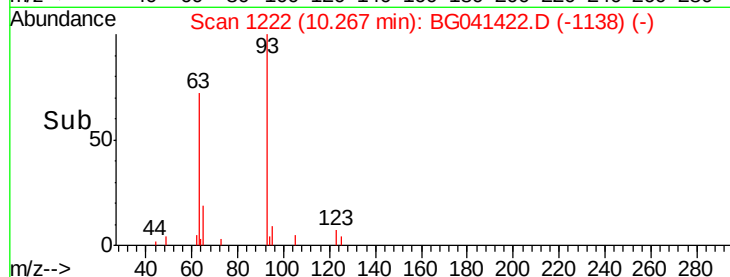
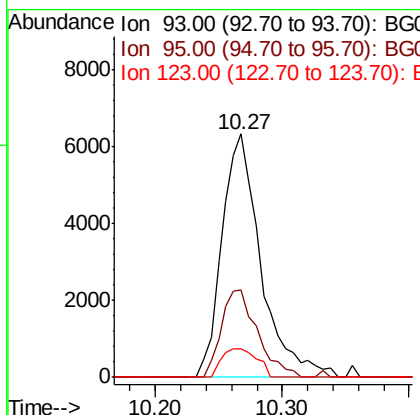
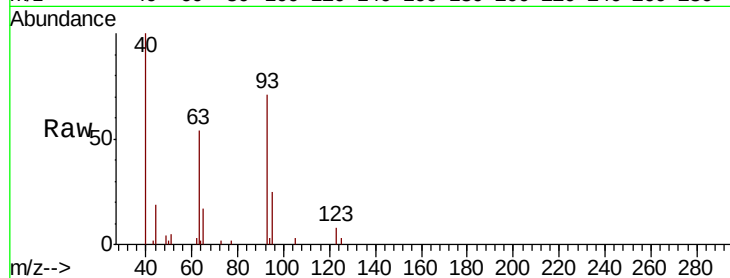




#28
bis(2-Chloroethoxy)methane
Concen: 7.061 ng
RT: 10.27 min Scan# 1222
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

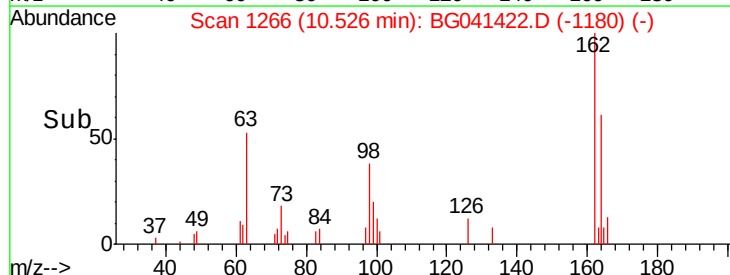
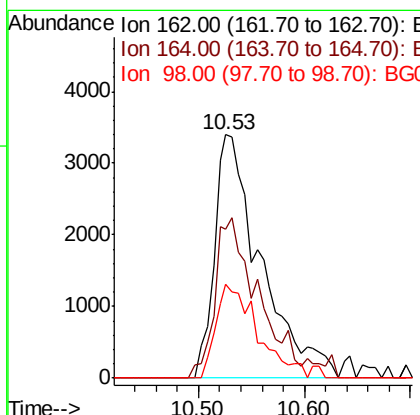
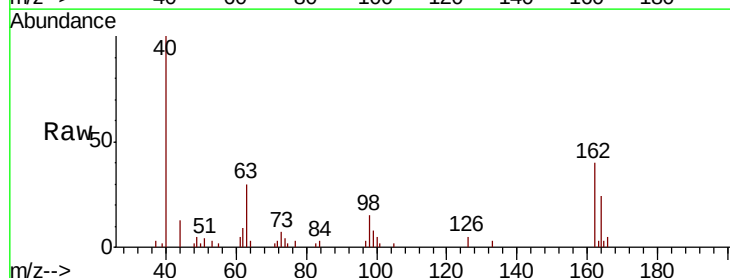
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

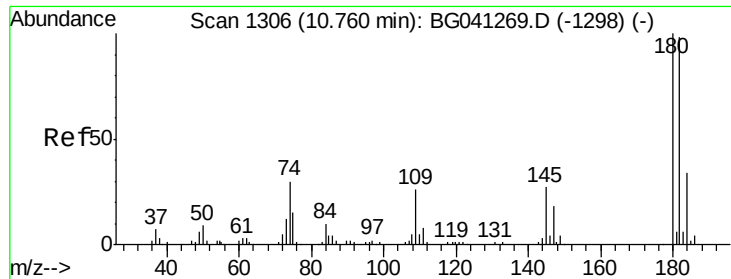
Tgt Ion: 93 Resp: 13419
Ion Ratio Lower Upper
93 100
95 35.7 27.3 40.9
123 11.8 9.6 14.4



#29
2,4-Dichlorophenol
Concen: 6.884 ng
RT: 10.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion: 162 Resp: 10372
Ion Ratio Lower Upper
162 100
164 61.3 46.0 86.0
98 38.4 17.4 57.4

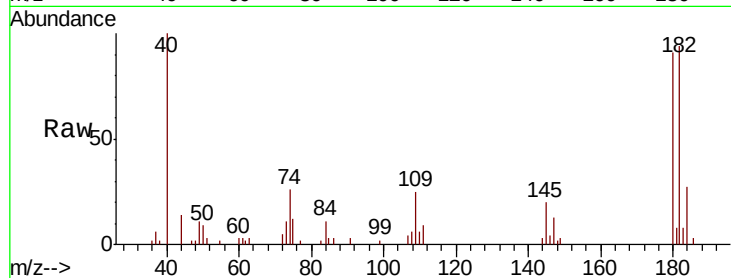




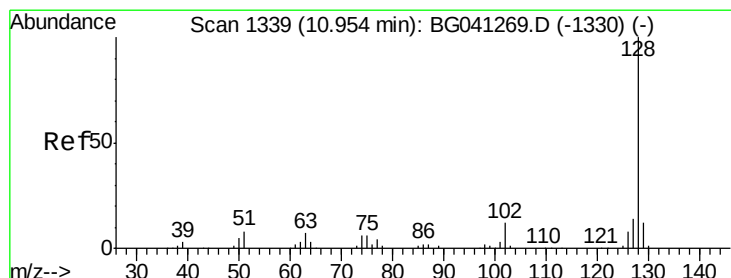
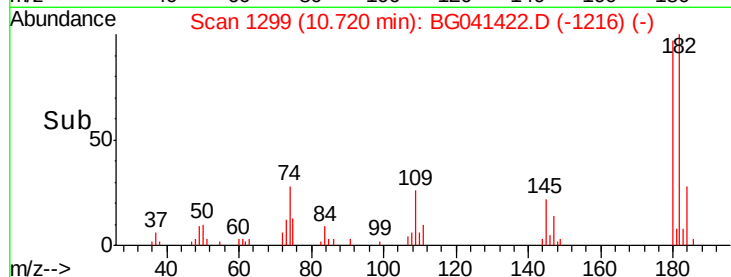
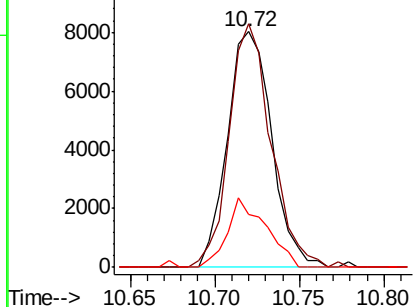
#30
 1,2,4-Trichlorobenzene
 Concen: 7.574 ng
 RT: 10.72 min Scan# 1299
 Delta R.T. -0.04 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:180 Resp: 14614
 Ion Ratio Lower Upper
 180 100
 182 103.4 78.6 117.8
 145 22.3 21.7 32.5

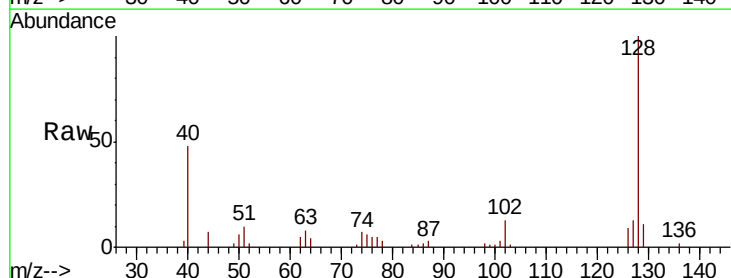


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

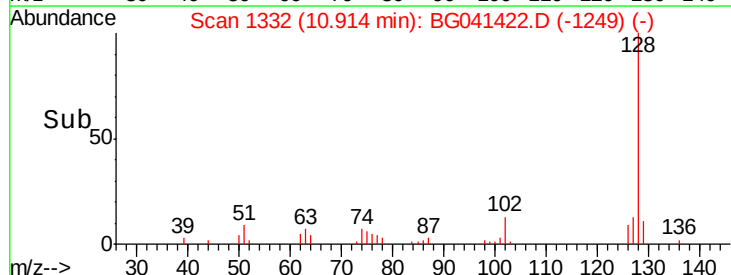
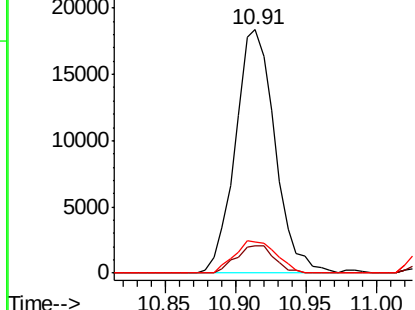


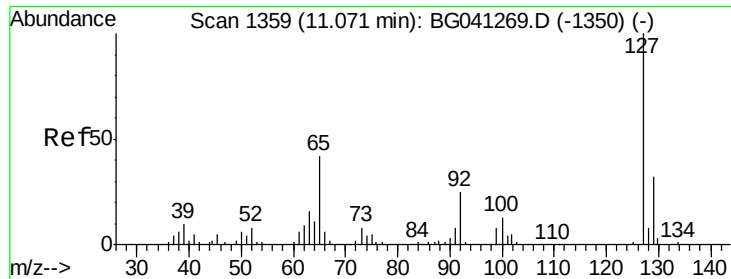
#31
 Naphthalene
 Concen: 7.939 ng
 RT: 10.91 min Scan# 1332
 Delta R.T. -0.04 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion:128 Resp: 36076
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.4 14.0
 127 12.5 11.2 16.8



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

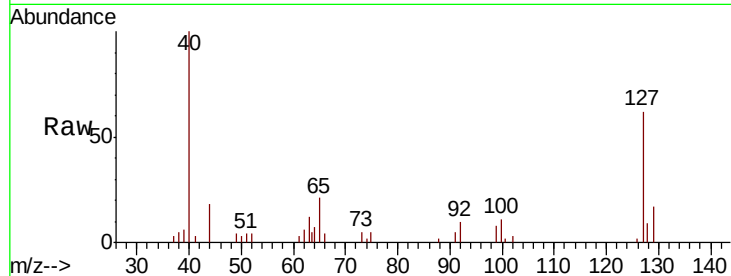




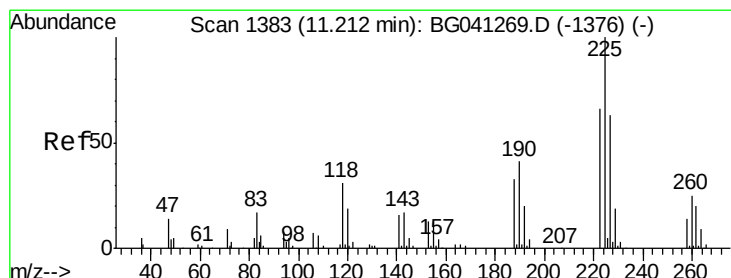
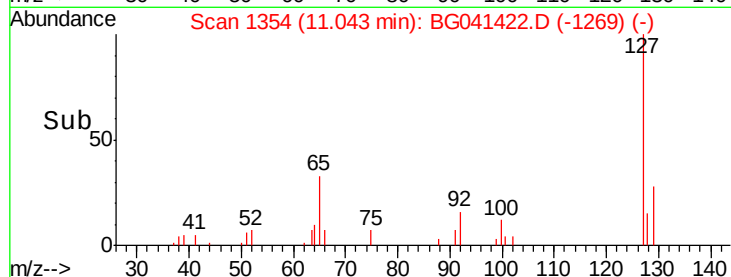
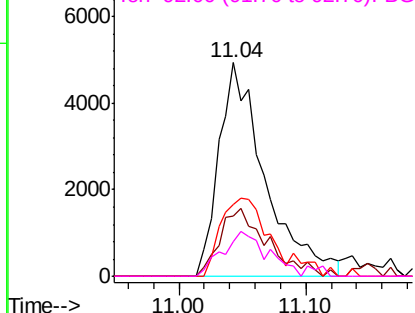
#33
4-Chloroaniline
Concen: 6.467 ng
RT: 11.04 min Scan# 1354
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:	127	Resp:	12480
Ion	Ratio	Lower	Upper
127	100		
129	27.9	25.8	38.8
65	33.3	33.8	50.8#
92	16.0	20.2	30.4#

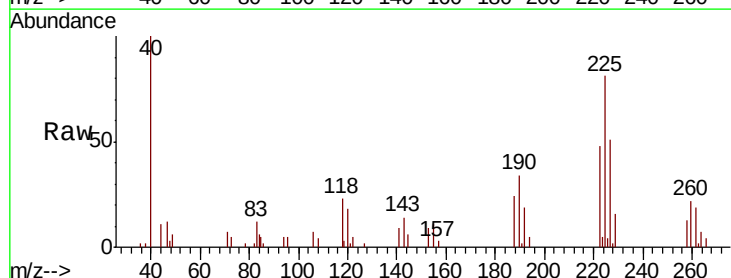


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

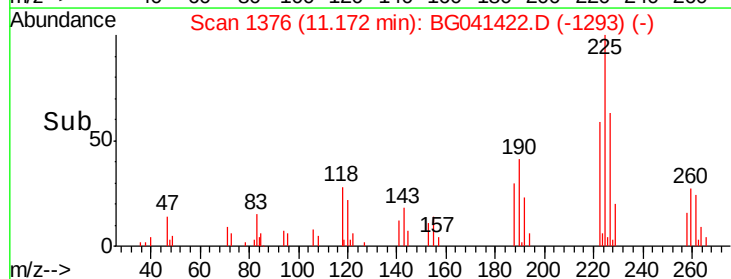
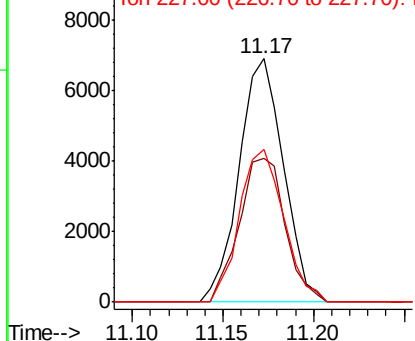


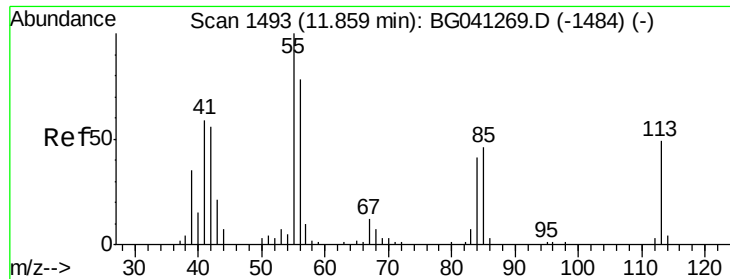
#34
Hexachlorobutadiene
Concen: 7.673 ng
RT: 11.17 min Scan# 1376
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:	225	Resp:	11752
Ion	Ratio	Lower	Upper
225	100		
223	58.8	52.5	78.7
227	65.5	50.2	75.2



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

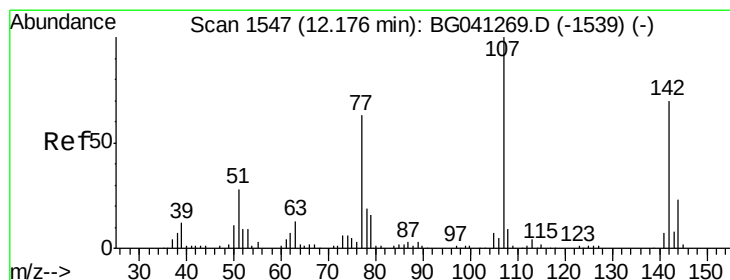
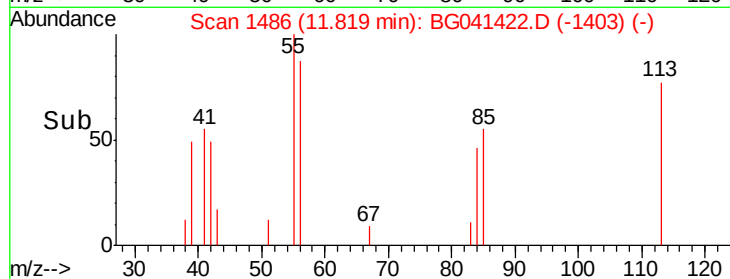
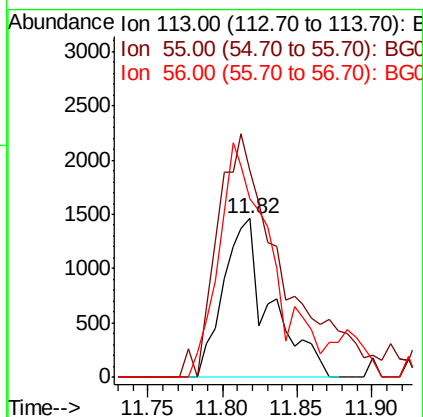
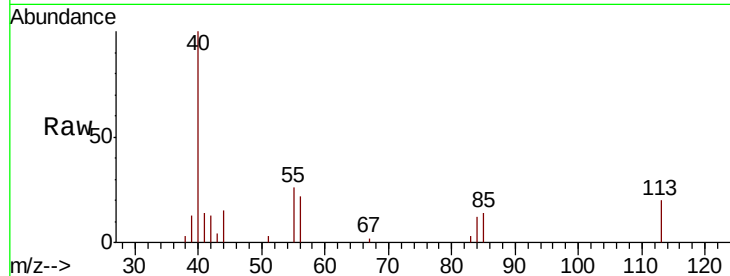




#35
 Caprolactam
 Concen: 6.187 ng
 RT: 11.82 min Scan# 1486
 Delta R.T. -0.04 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

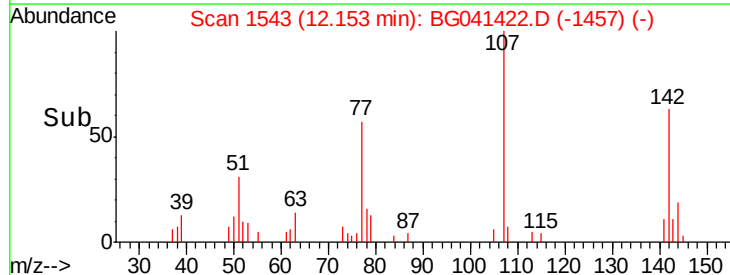
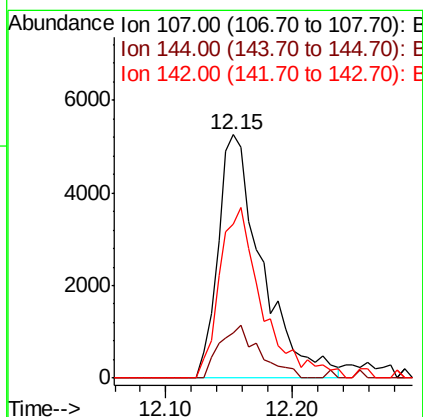
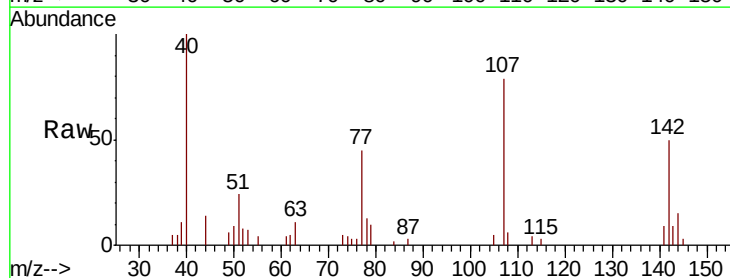
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

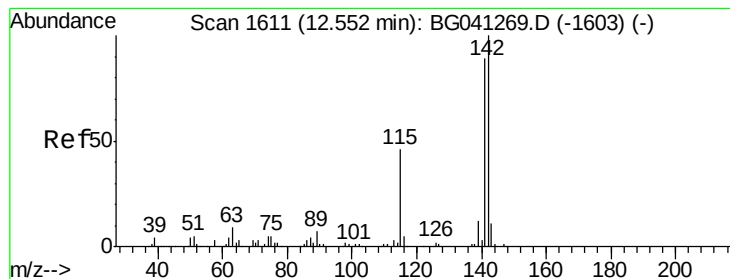
Tgt Ion:113 Resp: 3209
 Ion Ratio Lower Upper
 113 100
 55 130.0 182.6 222.6#
 56 112.5 137.5 177.5#



#36
 4-Chloro-3-methylphenol
 Concen: 7.219 ng
 RT: 12.15 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion:107 Resp: 12563
 Ion Ratio Lower Upper
 107 100
 144 18.7 18.5 27.7
 142 63.2 56.3 84.5





#37

2-Methylnaphthalene

Concen: 7.991 ng

RT: 12.52 min Scan# 1605

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

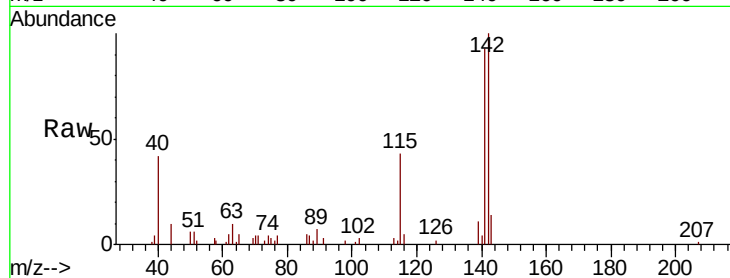
Tgt Ion:142 Resp: 26745

Ion Ratio Lower Upper

142 100

141 93.1 71.5 107.3

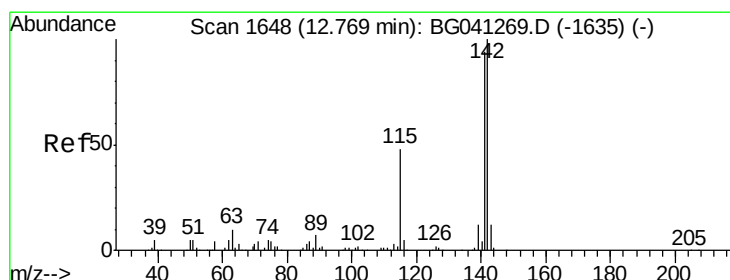
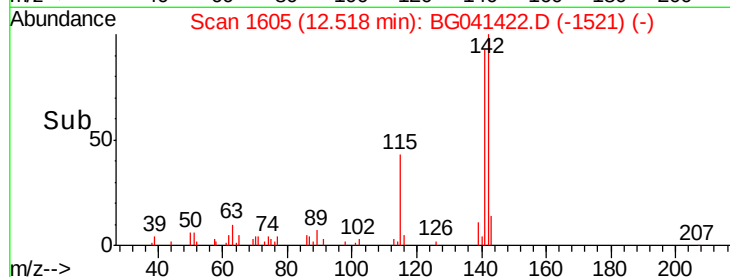
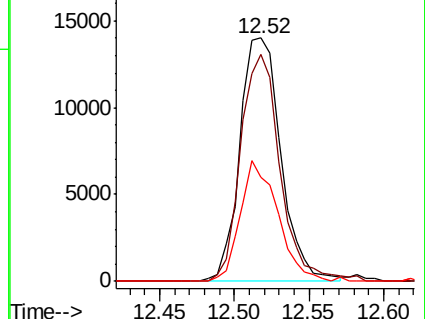
115 42.9 37.0 55.6



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: 8.264 ng

RT: 12.74 min Scan# 1642

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

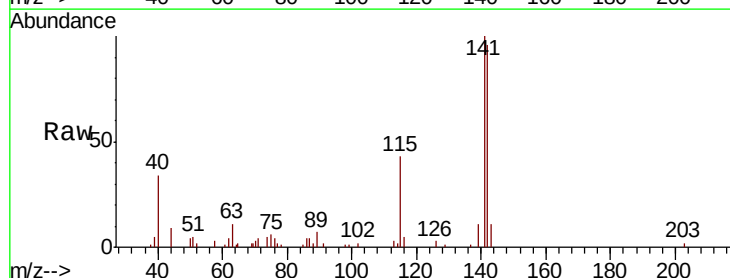
Tgt Ion:142 Resp: 26461

Ion Ratio Lower Upper

142 100

141 103.8 75.0 112.6

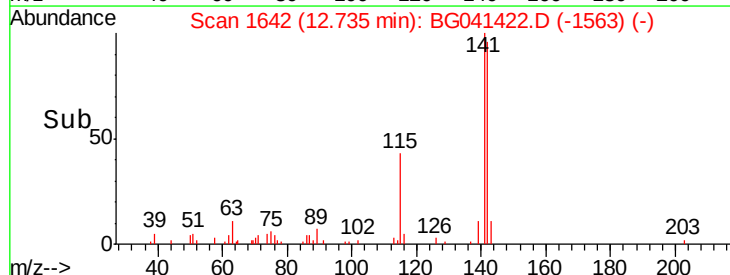
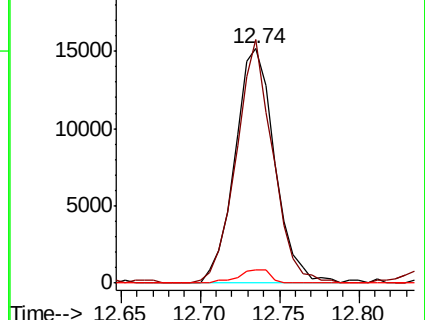
116 5.5 4.2 6.2

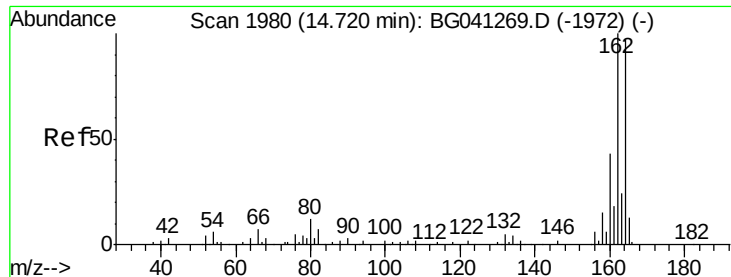


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

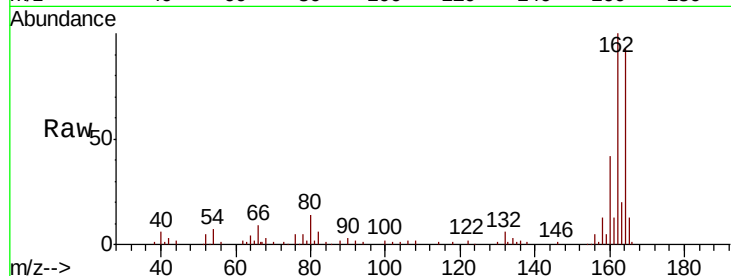




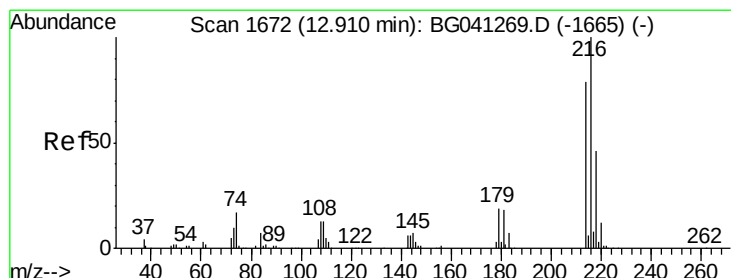
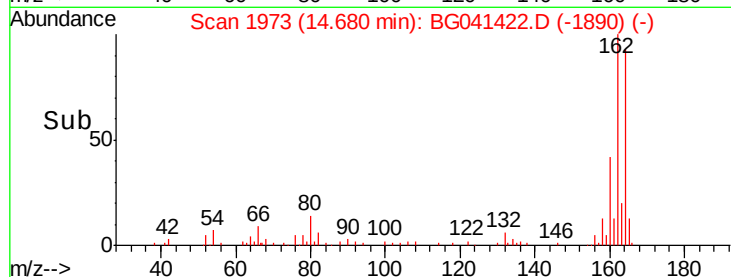
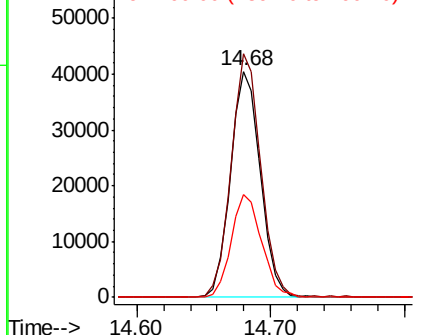
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:164 Resp: 62807
Ion Ratio Lower Upper
164 100
162 107.7 82.8 124.2
160 45.2 35.8 53.8

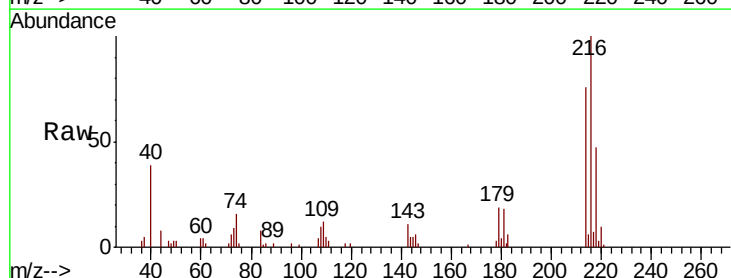


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

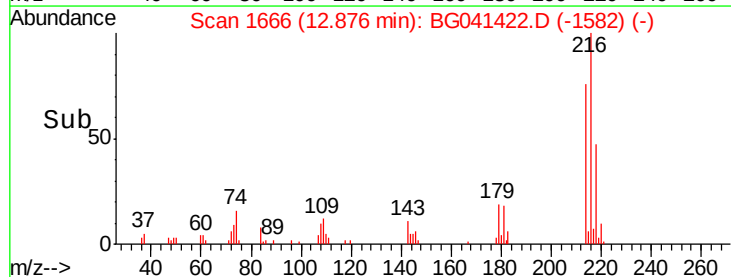
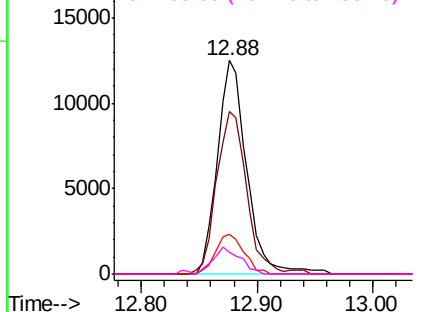


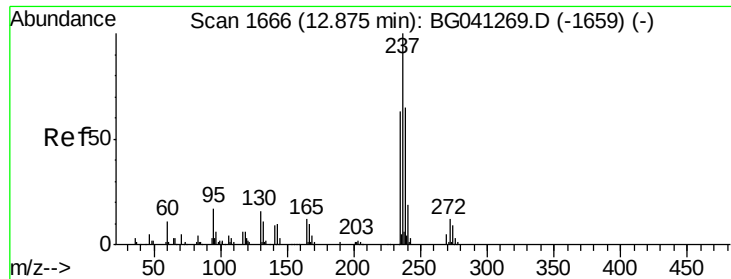
#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.444 ng
RT: 12.88 min Scan# 1666
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:216 Resp: 21900
Ion Ratio Lower Upper
216 100
214 77.1 62.8 94.2
179 18.0 15.2 22.8
108 12.2 12.4 18.6#



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: 5.218 ng

RT: 12.84 min Scan# 1659

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

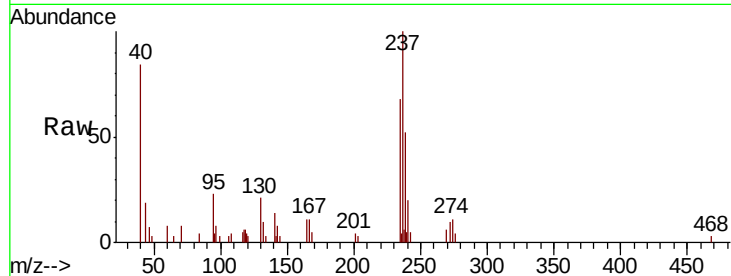
Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:	237	Resp:	9116
Ion	Ratio	Lower	Upper
237	100		
235	67.9	42.9	82.9
272	9.5	0.0	32.0

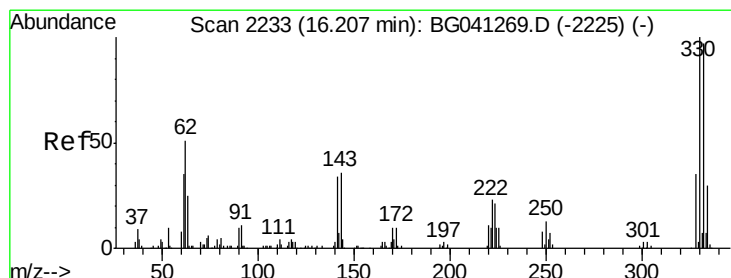
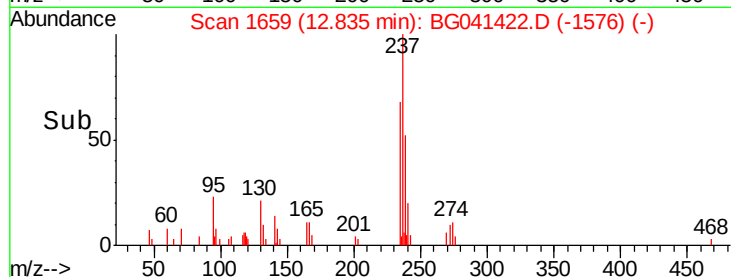
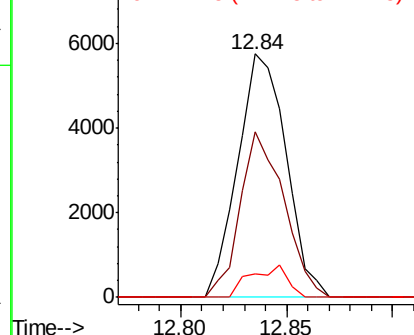


Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 155.584 ng

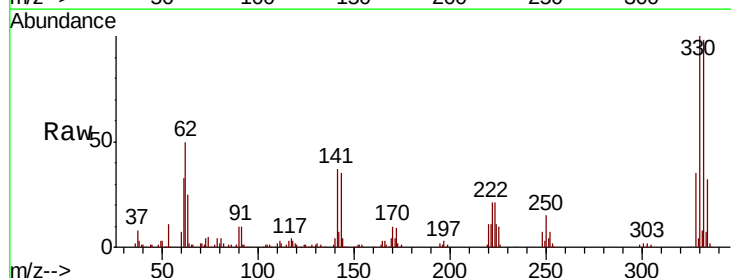
RT: 16.17 min Scan# 2227

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Tgt Ion:	330	Resp:	150018
Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.5	113.3
141	36.4	29.0	43.4

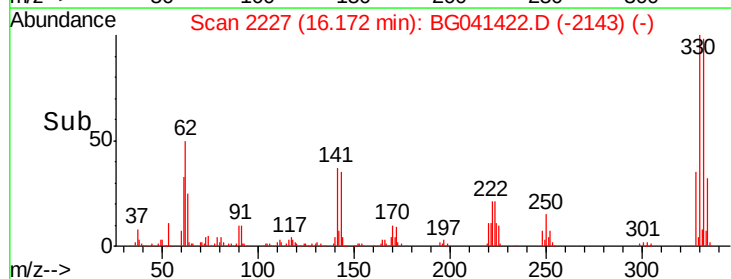
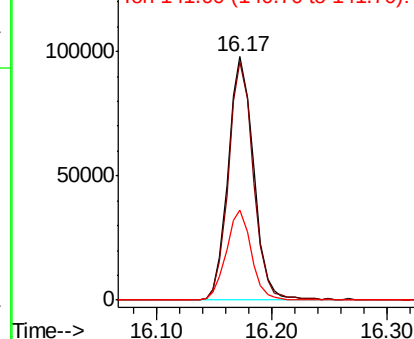


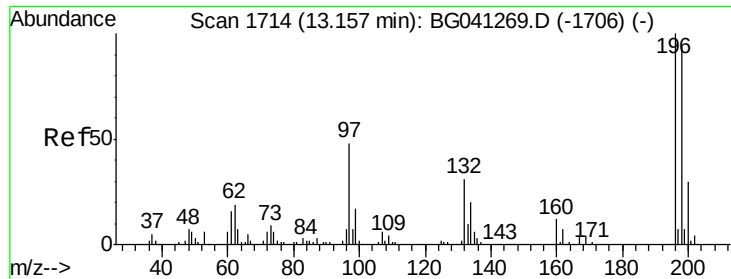
Abundance

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

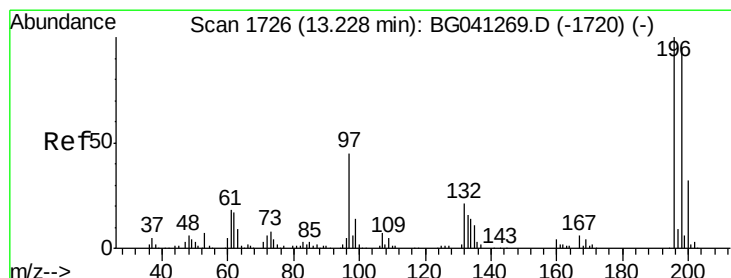
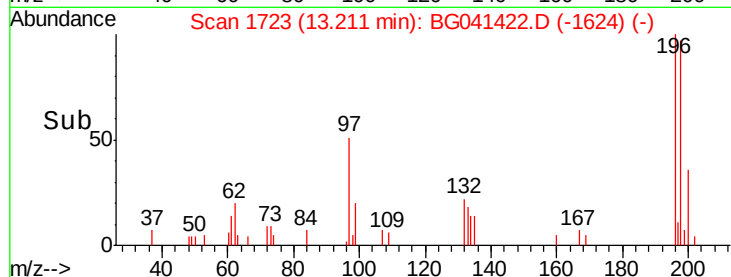
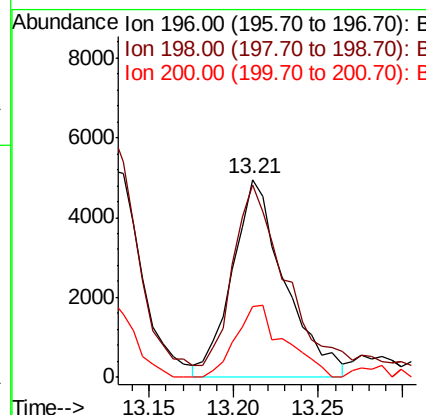
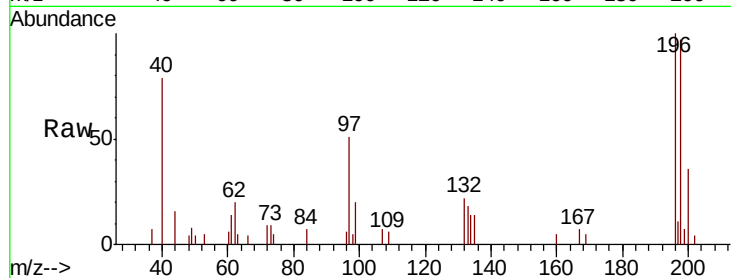




#43
 2,4,6-Trichlorophenol
 Concen: 6.673 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. 0.05 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

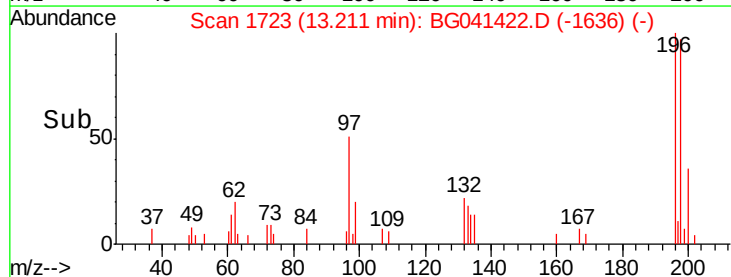
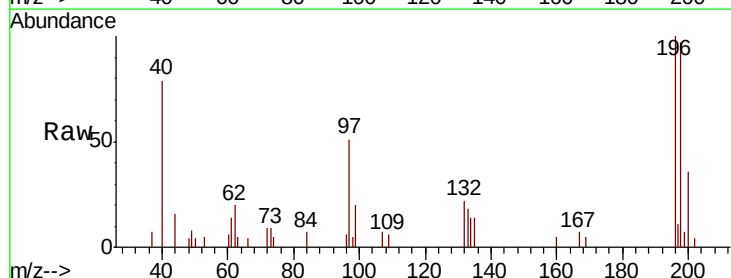
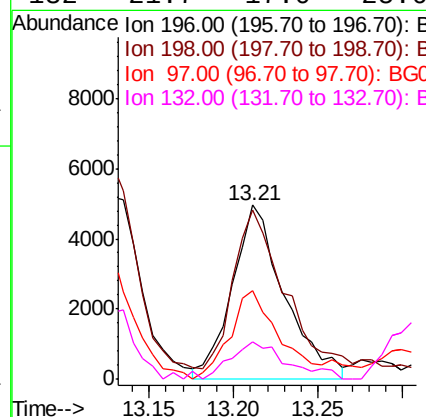
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

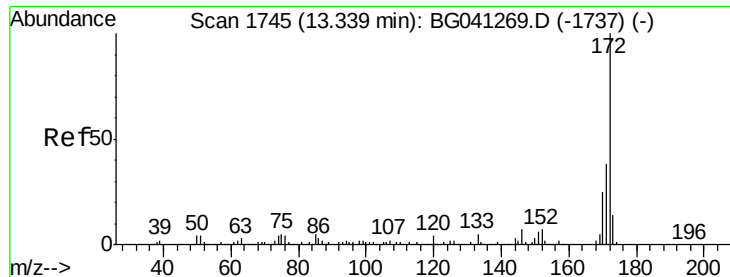
Tgt Ion:196 Resp: 10706
 Ion Ratio Lower Upper
 196 100
 198 96.9 74.9 112.3
 200 35.7 24.2 36.2



#44
 2,4,5-Trichlorophenol
 Concen: 6.485 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. -0.02 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion:196 Resp: 10706
 Ion Ratio Lower Upper
 196 100
 198 96.9 76.1 114.1
 97 50.8 35.9 53.9
 132 21.7 17.0 25.6

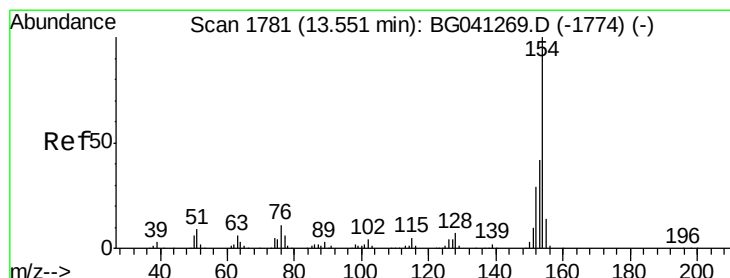
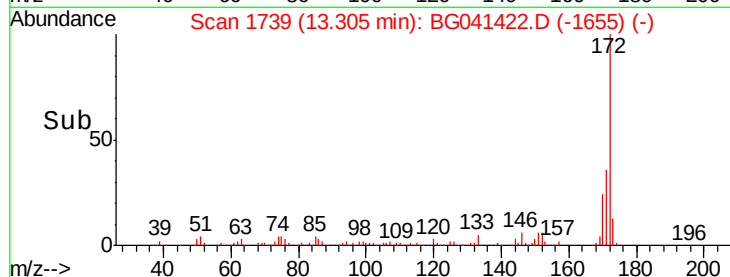
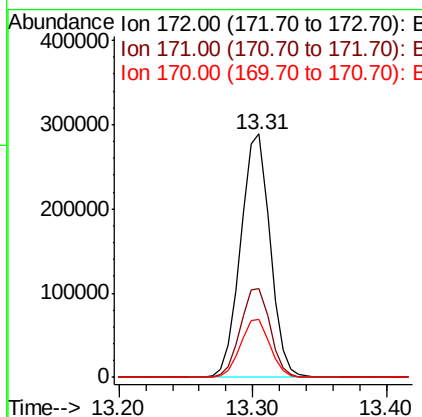
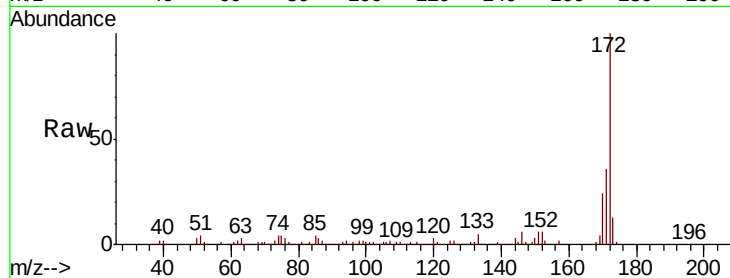




#45
2-Fluorobiphenyl
Concen: 95.179 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

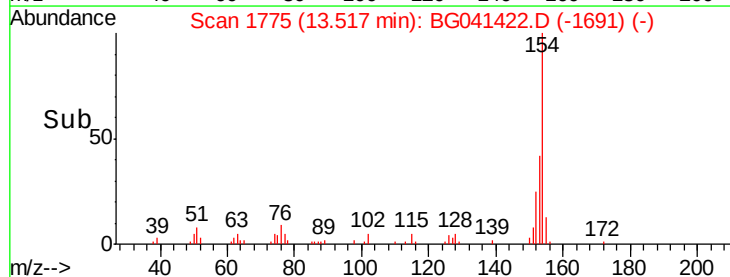
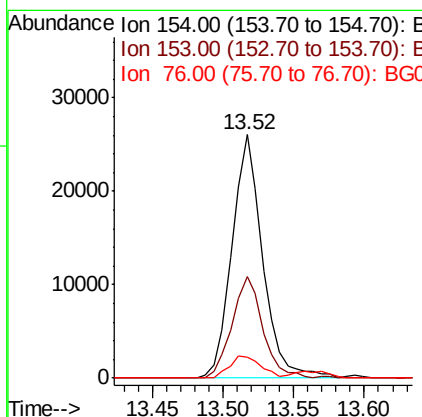
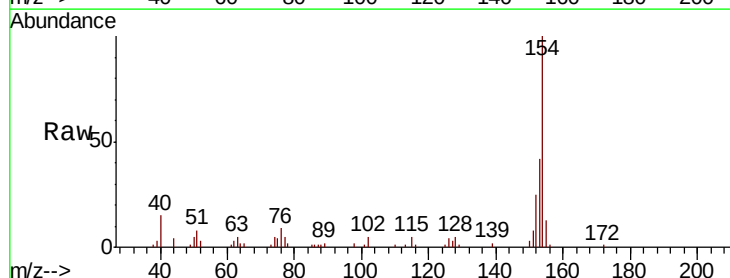
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

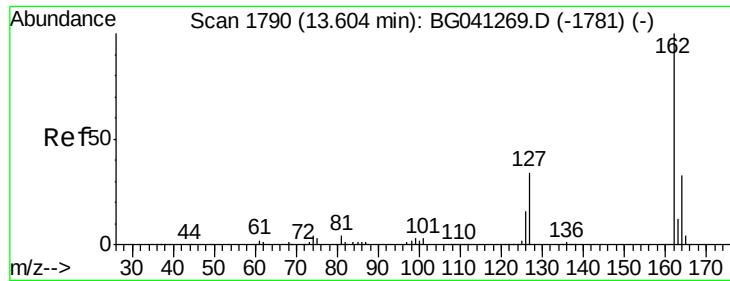
Tgt Ion:172 Resp: 439824
Ion Ratio Lower Upper
172 100
171 36.5 30.0 45.0
170 24.0 19.8 29.6



#46
1,1'-Biphenyl
Concen: 8.298 ng
RT: 13.52 min Scan# 1775
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:154 Resp: 39401
Ion Ratio Lower Upper
154 100
153 41.5 22.3 62.3
76 8.8 0.0 30.8

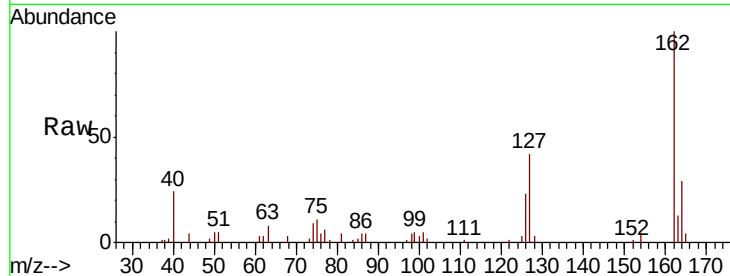




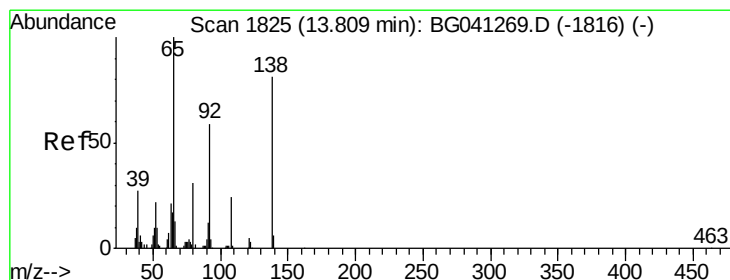
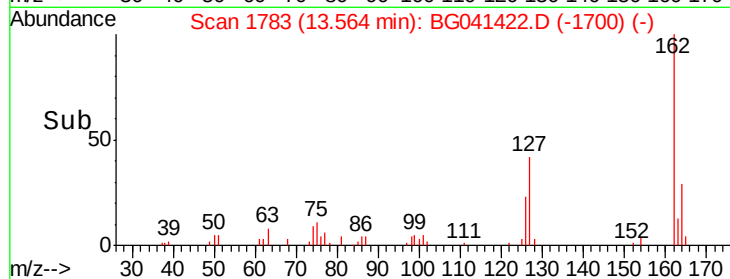
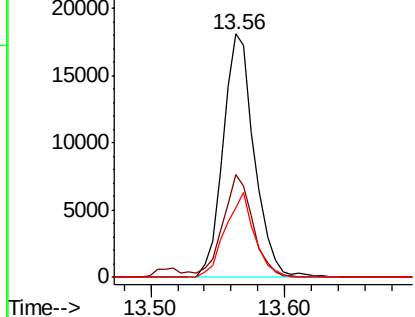
#47
 2-Chloronaphthalene
 Concen: 7.273 ng
 RT: 13.56 min Scan# 1783
 Delta R.T. -0.04 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 162 Resp: 29731
 Ion Ratio Lower Upper
 162 100
 127 42.5 31.0 46.4
 164 28.7 26.1 39.1

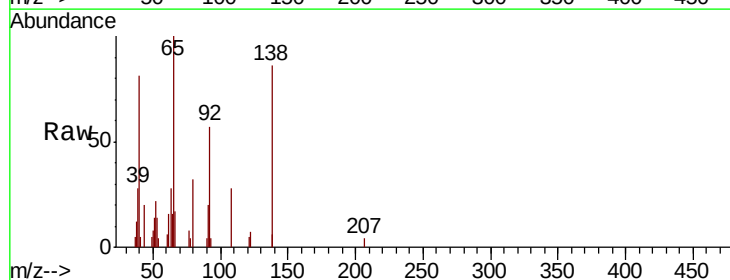


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

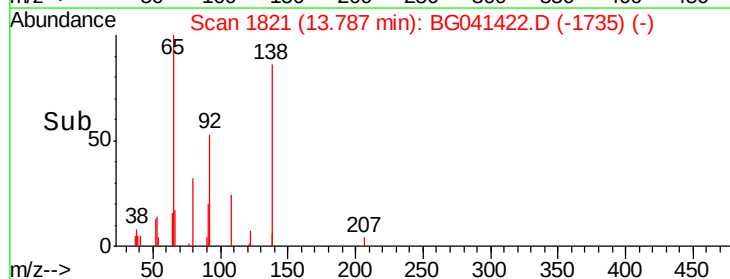
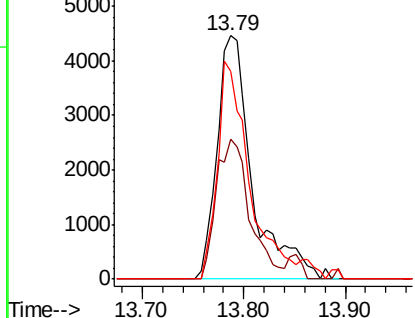


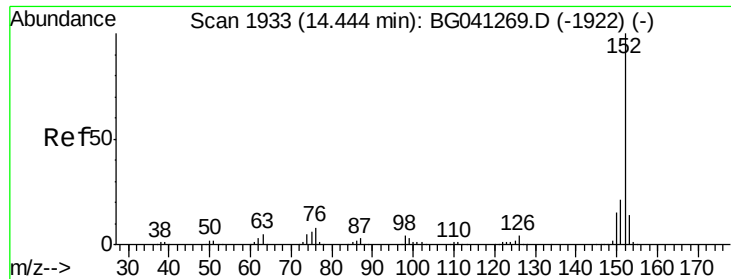
#48
 2-Nitroaniline
 Concen: 7.238 ng
 RT: 13.79 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion: 65 Resp: 10837
 Ion Ratio Lower Upper
 65 100
 92 57.3 47.4 71.2
 138 85.6 64.7 97.1



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





#49

Acenaphthylene

Concen: 8.020 ng

RT: 14.41 min Scan# 1927

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

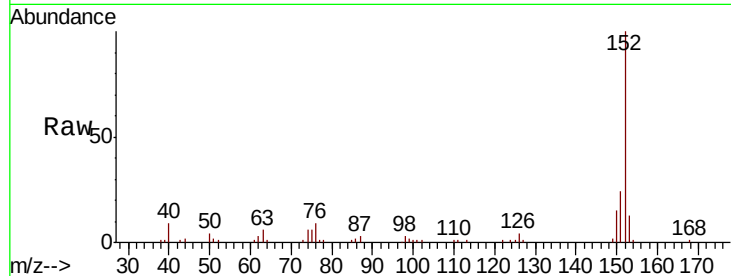
Tgt Ion:152 Resp: 49753

Ion Ratio Lower Upper

152 100

151 23.7 16.8 25.2

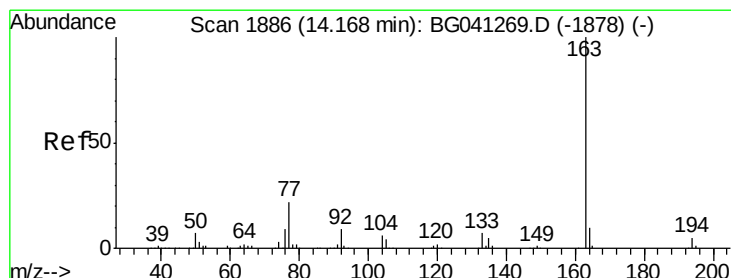
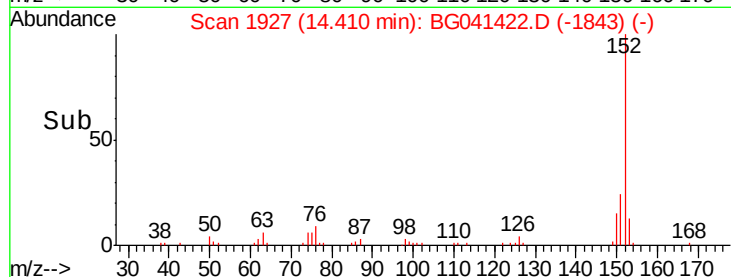
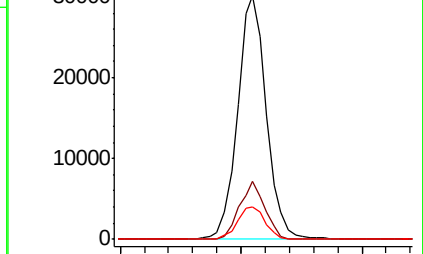
153 13.2 10.8 16.2



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: 7.862 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

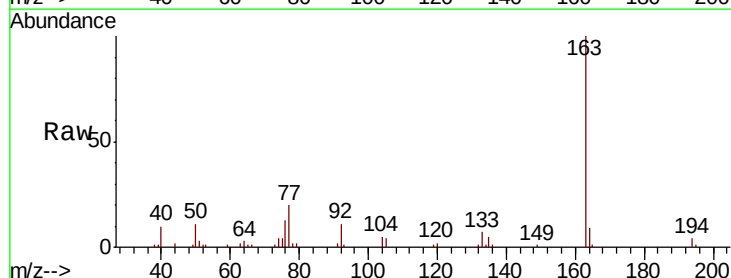
Tgt Ion:163 Resp: 43936

Ion Ratio Lower Upper

163 100

194 4.4 3.9 5.9

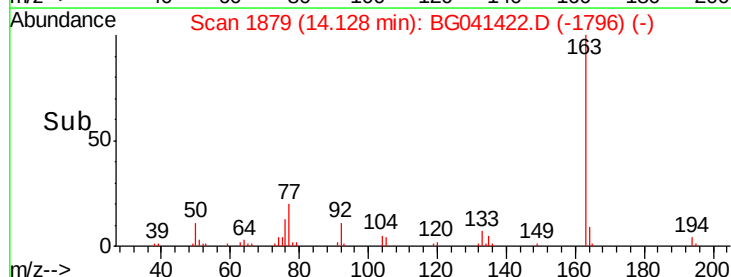
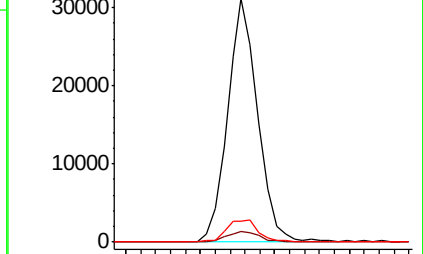
164 8.7 8.3 12.5

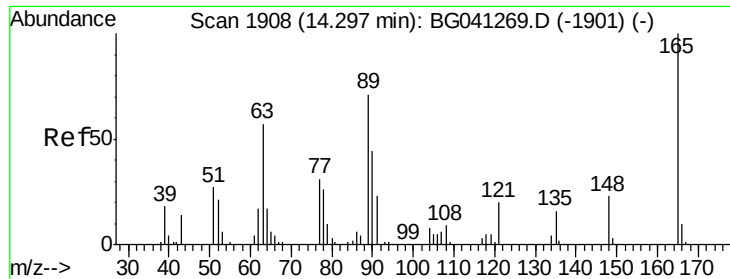


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

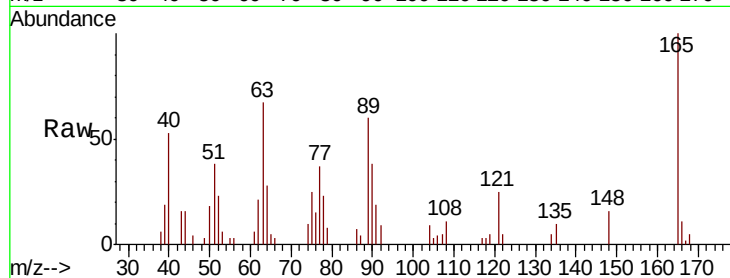




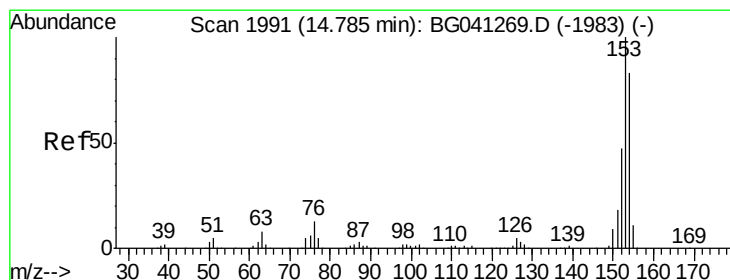
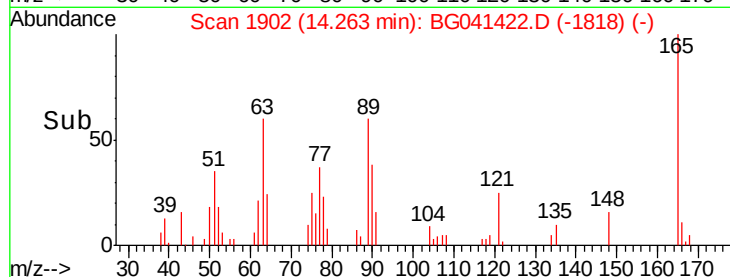
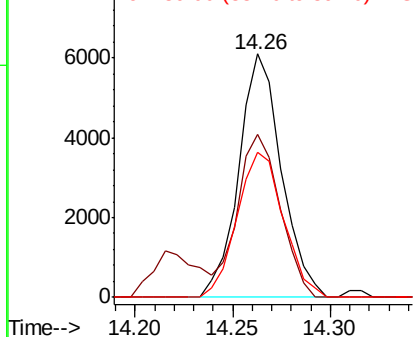
#51
2,6-Dinitrotoluene
Concen: 7.837 ng
RT: 14.26 min Scan# 1902
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:165 Resp: 9234
Ion Ratio Lower Upper
165 100
63 67.1 55.4 83.0
89 59.7 56.5 84.7

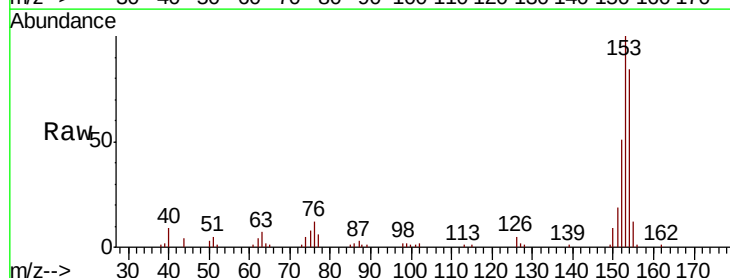


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

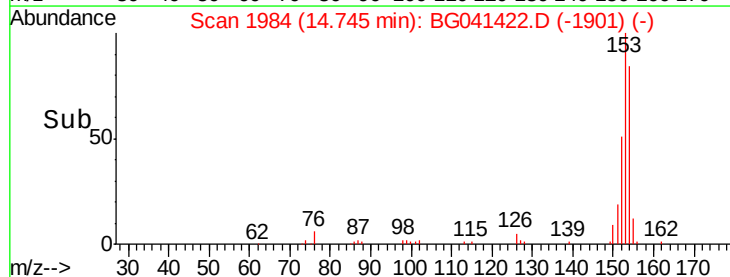
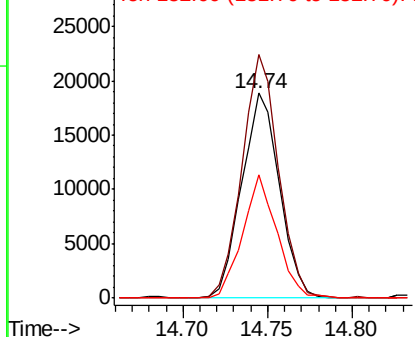


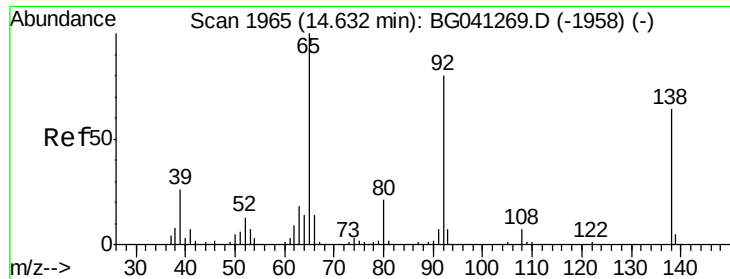
#52
Acenaphthene
Concen: 8.044 ng
RT: 14.74 min Scan# 1984
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:154 Resp: 29301
Ion Ratio Lower Upper
154 100
153 118.9 96.6 145.0
152 60.1 45.5 68.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

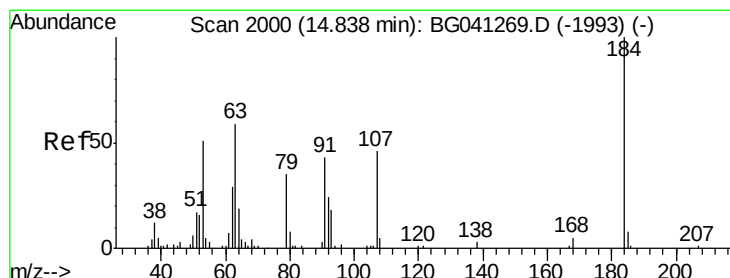
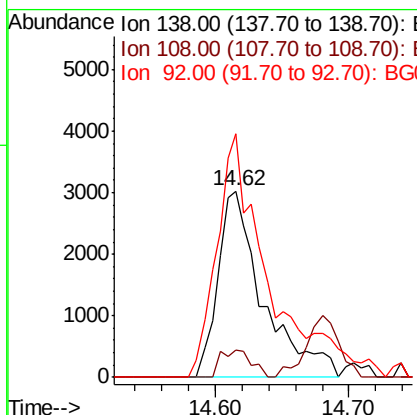
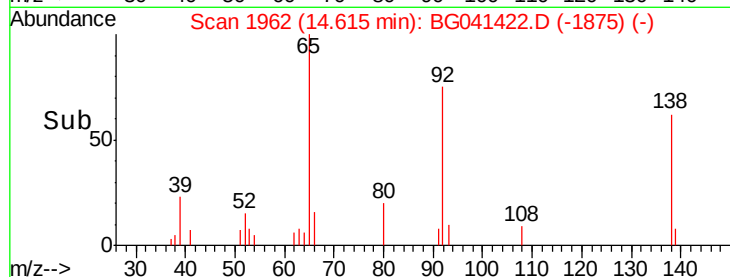
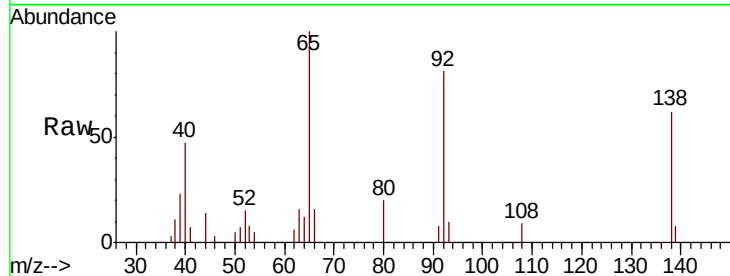




#53
3-Nitroaniline
Concen: 6.127 ng
RT: 14.62 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

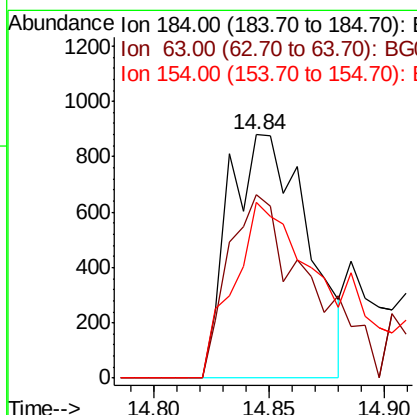
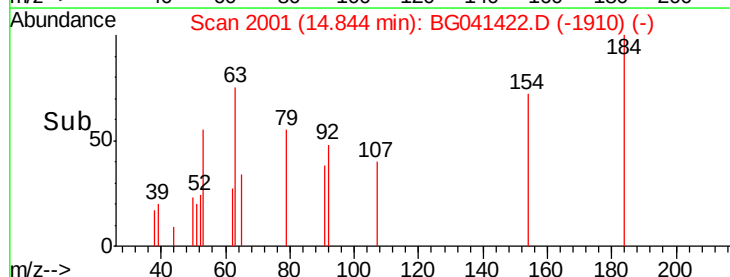
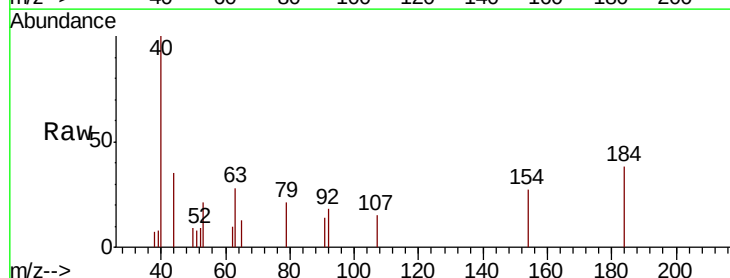
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

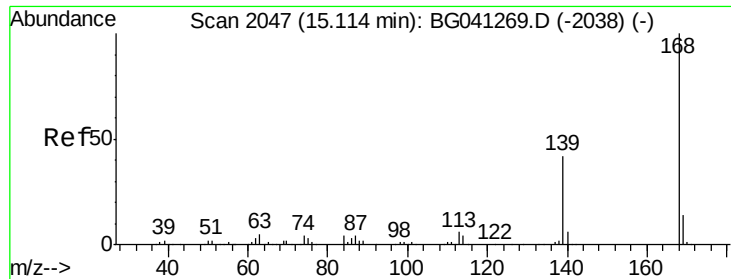
Tgt Ion:138 Resp: 7113
Ion Ratio Lower Upper
138 100
108 14.8 8.3 12.5#
92 130.6 100.2 150.4



#54
2,4-Dinitrophenol
Concen: 7.161 ng
RT: 14.84 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:184 Resp: 2088
Ion Ratio Lower Upper
184 100
63 75.5 60.0 90.0
154 72.3 58.3 87.5

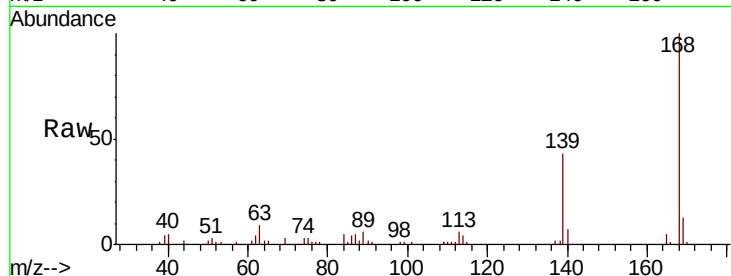




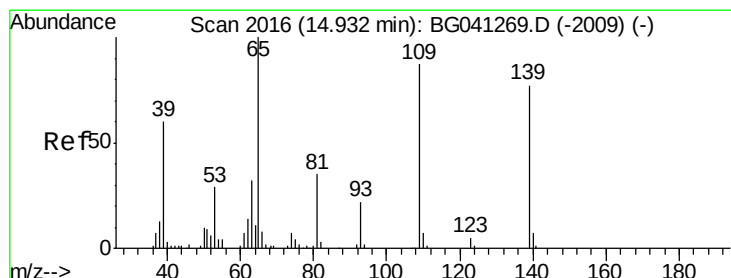
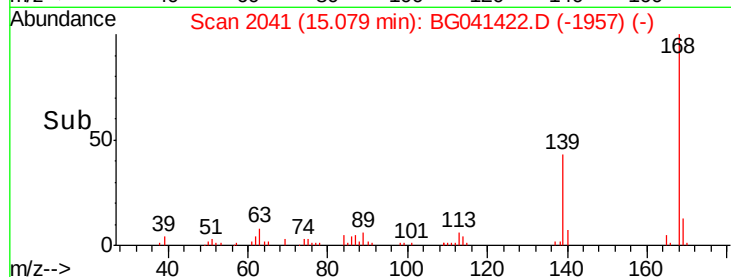
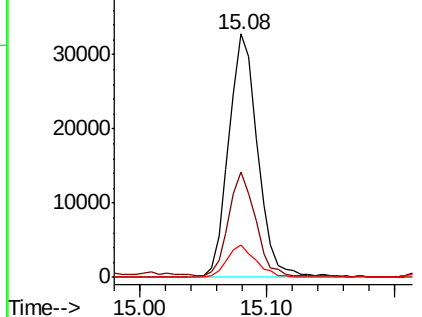
#55
Dibenzenofuran
Concen: 8.172 ng
RT: 15.08 min Scan# 2041
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:168 Resp: 51757
Ion Ratio Lower Upper
168 100
139 43.1 33.6 50.4
169 13.3 10.8 16.2

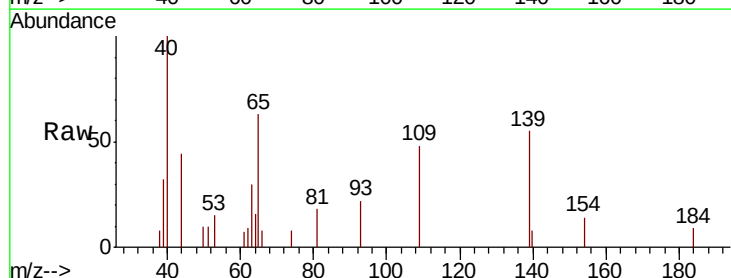


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

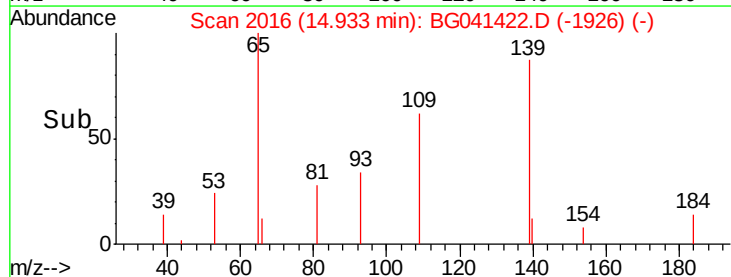
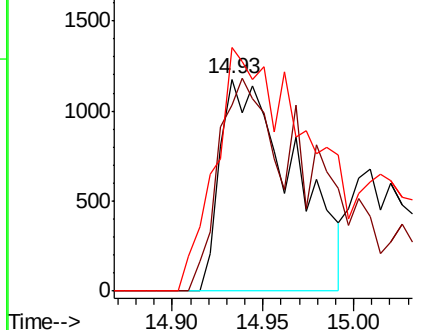


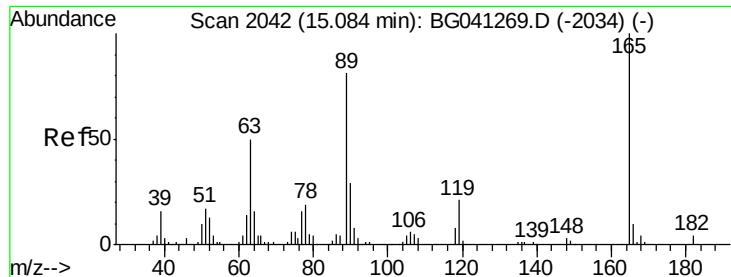
#56
4-Nitrophenol
Concen: 6.805 ng
RT: 14.93 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:139 Resp: 3298
Ion Ratio Lower Upper
139 100
109 87.9 93.2 133.2#
65 114.8 110.2 150.2



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): BGC

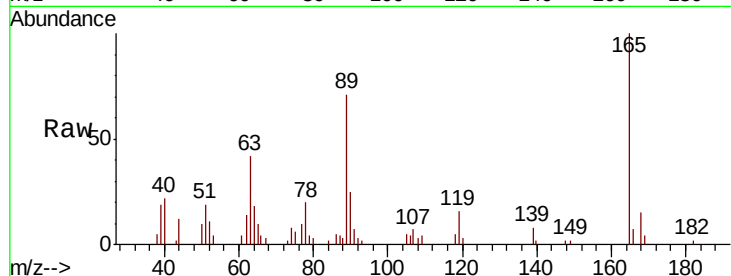




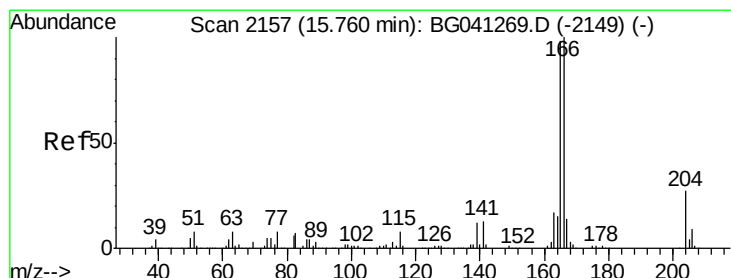
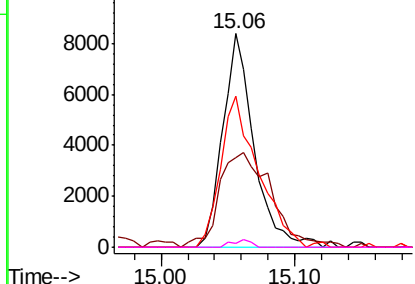
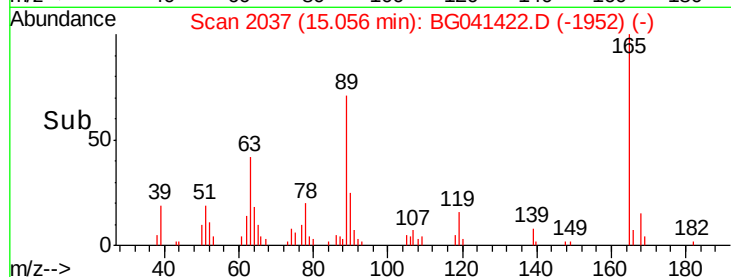
#57
2,4-Dinitrotoluene
Concen: 8.045 ng
RT: 15.06 min Scan# 2037
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:165 Resp: 13857
Ion Ratio Lower Upper
165 100
63 42.1 40.0 60.0
89 70.6 64.6 96.8
182 1.8 2.9 4.3#

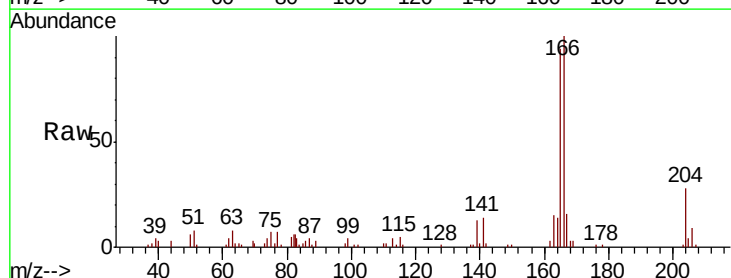


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

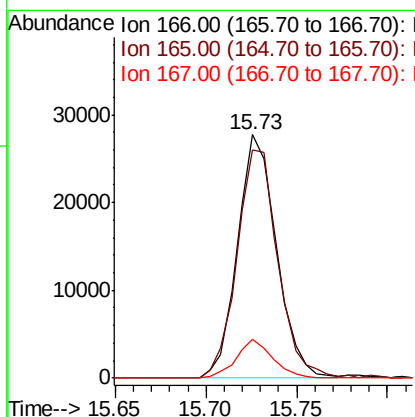
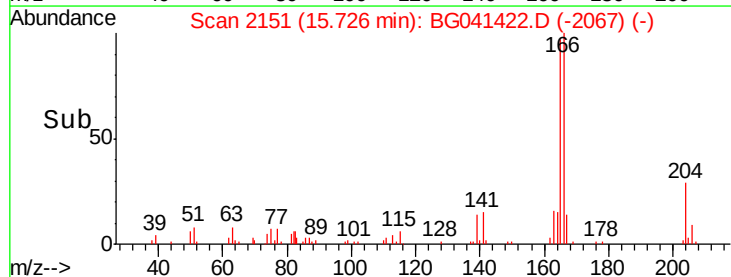


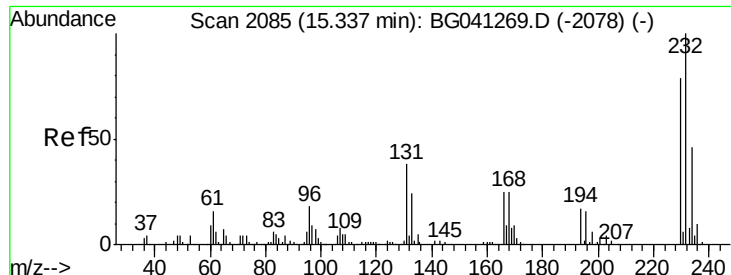
#58
Fluorene
Concen: 8.320 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:166 Resp: 41453
Ion Ratio Lower Upper
166 100
165 93.7 78.8 118.2
167 16.1 11.3 16.9



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

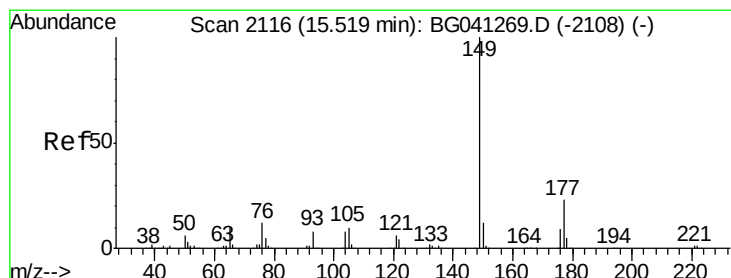
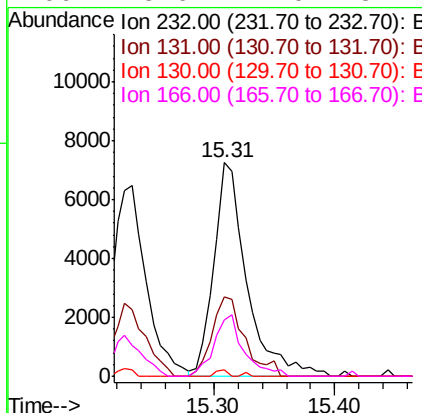
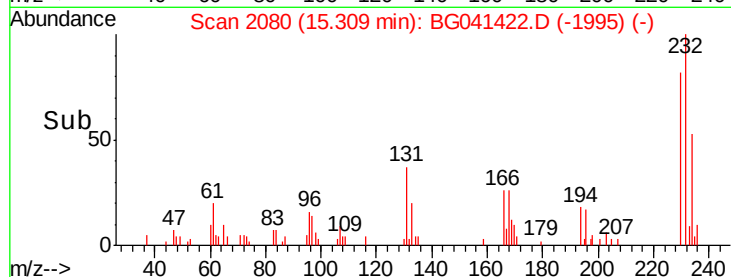
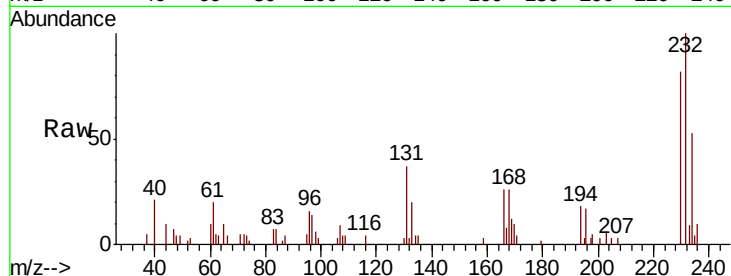




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.025 ng
 RT: 15.31 min Scan# 2080
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

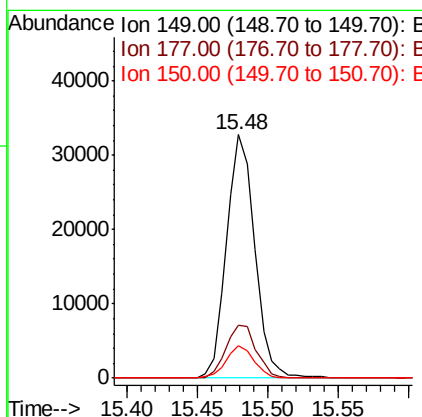
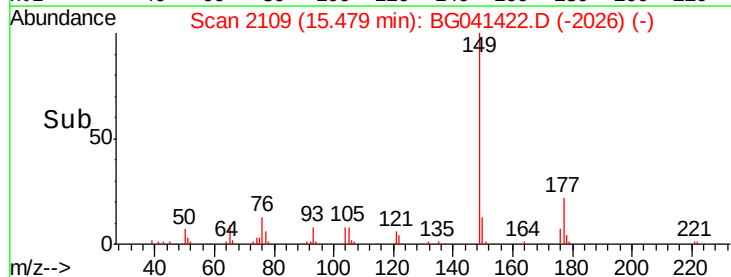
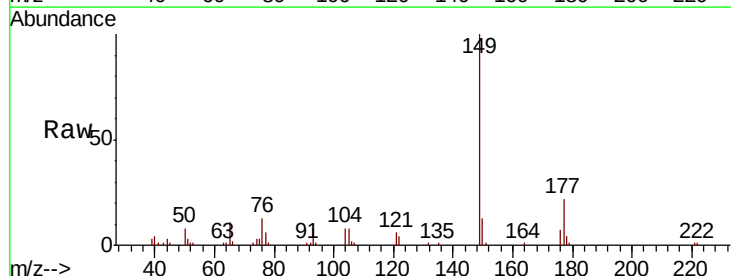
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

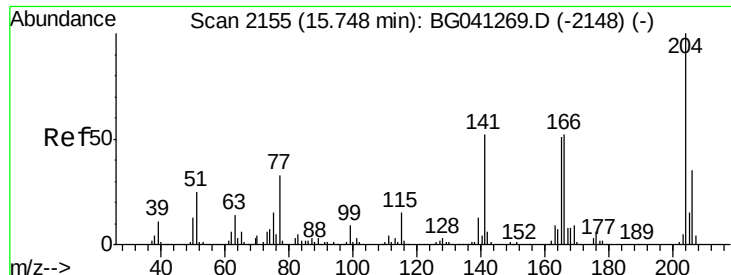
Tgt Ion:	232	Resp:	13699
Ion	Ratio	Lower	Upper
232	100		
131	36.2	29.0	43.6
130	1.1	1.6	2.4
166	25.6	21.0	31.4



#60
 Diethylphthalate
 Concen: 8.019 ng
 RT: 15.48 min Scan# 2109
 Delta R.T. -0.04 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion:	149	Resp:	45548
Ion	Ratio	Lower	Upper
149	100		
177	21.6	18.4	27.6
150	13.4	9.9	14.9

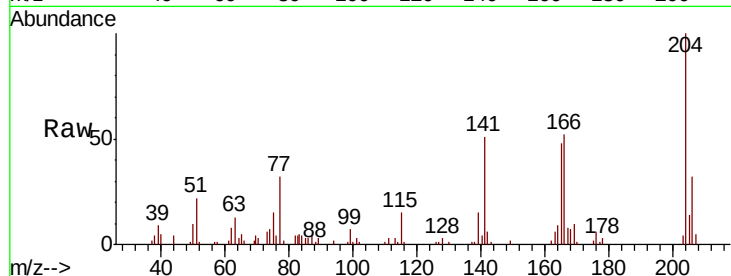




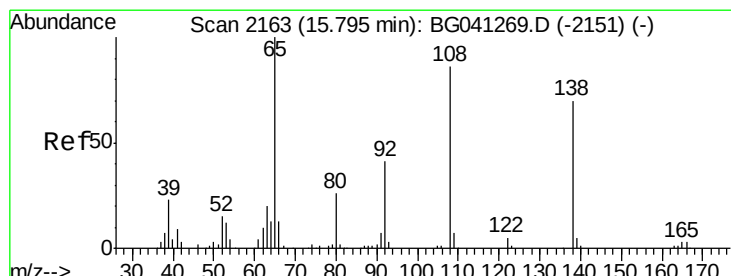
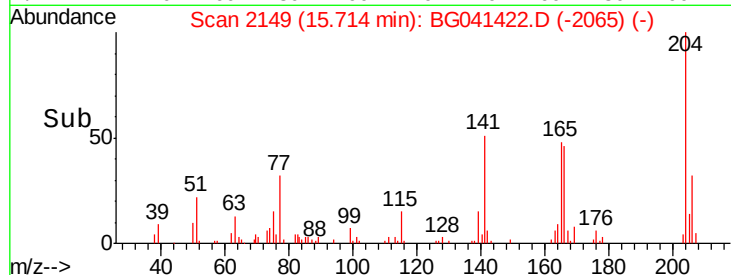
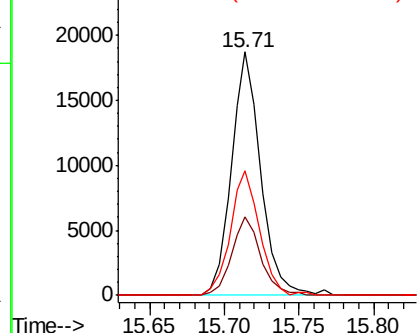
#61
 4-Chlorophenyl-phenylether
 Concen: 7.929 ng
 RT: 15.71 min Scan# 2149
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 204 Resp: 25702
 Ion Ratio Lower Upper
 204 100
 206 32.3 27.9 41.9
 141 51.4 41.4 62.0

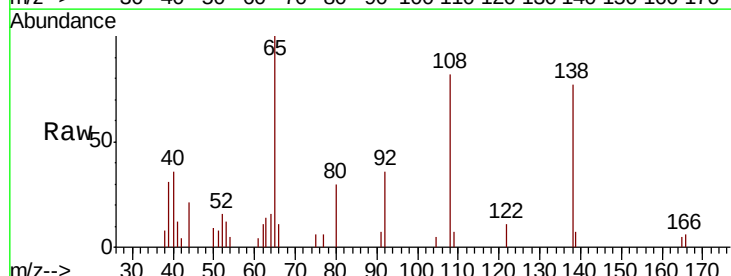


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

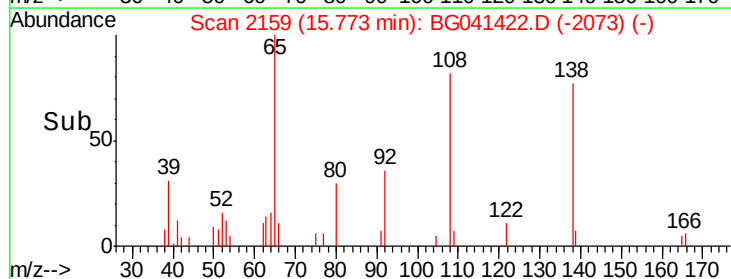
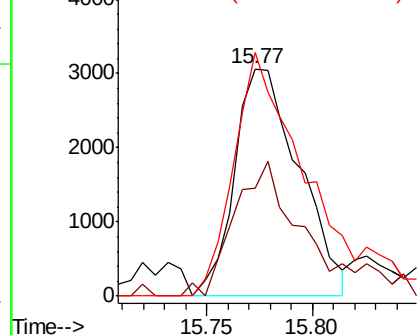


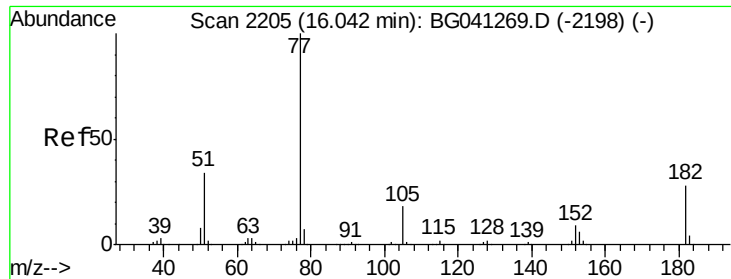
#62
 4-Nitroaniline
 Concen: 5.242 ng
 RT: 15.77 min Scan# 2159
 Delta R.T. -0.02 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion: 138 Resp: 6509
 Ion Ratio Lower Upper
 138 100
 92 47.5 38.8 78.8
 108 107.2 103.4 143.4



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





#63

Azobenzene

Concen: 7.873 ng

RT: 16.01 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 77 Resp: 39897

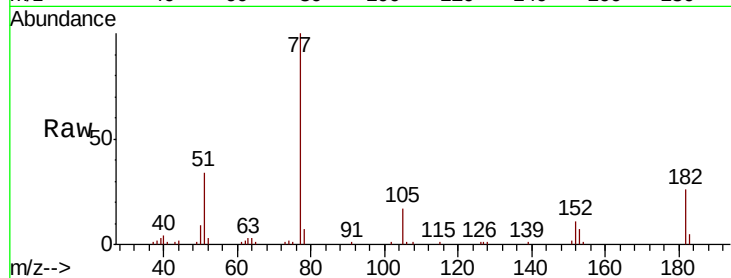
Ion Ratio Lower Upper

77 100

182 26.4 7.5 47.5

105 17.4 0.0 37.7

51 33.7 14.6 54.6

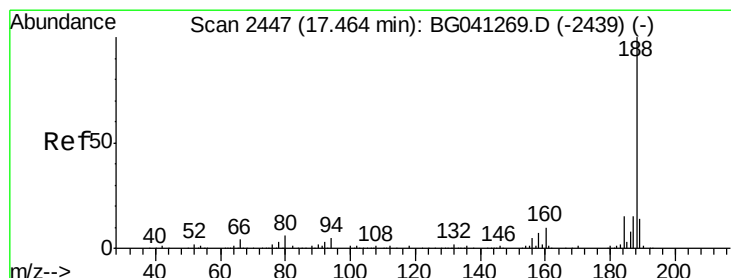
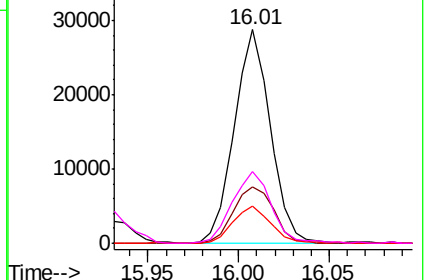
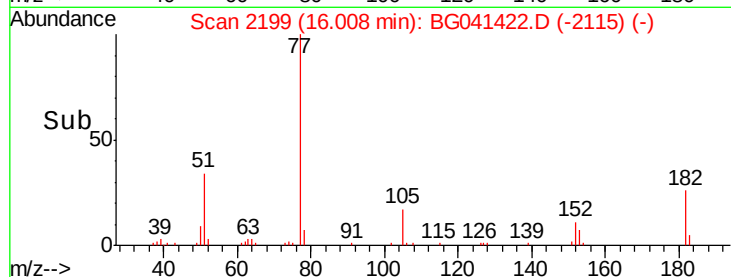


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

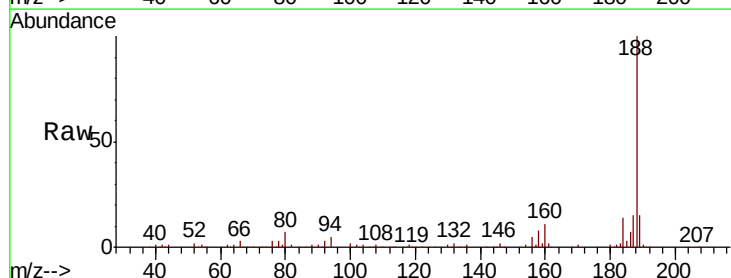
Tgt Ion: 188 Resp: 174288

Ion Ratio Lower Upper

188 100

94 4.6 3.6 5.4

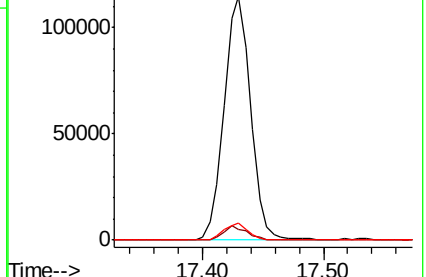
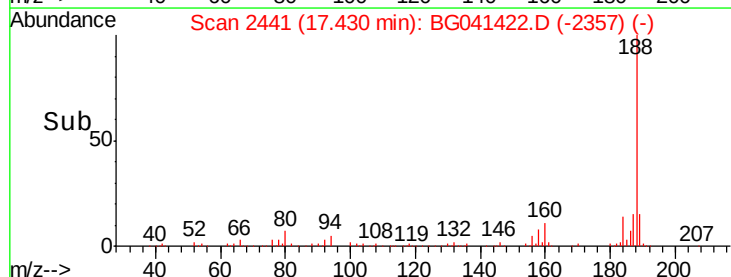
80 6.8 4.8 7.2

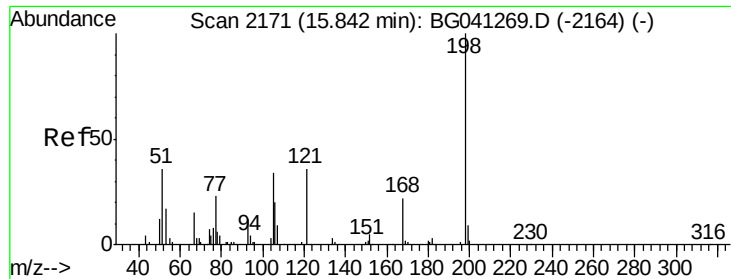


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

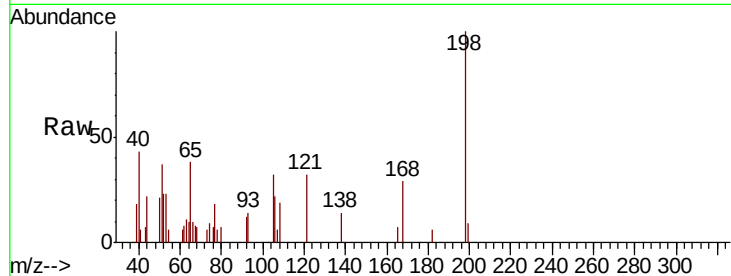




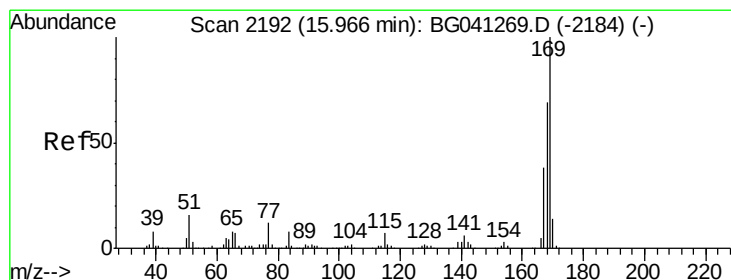
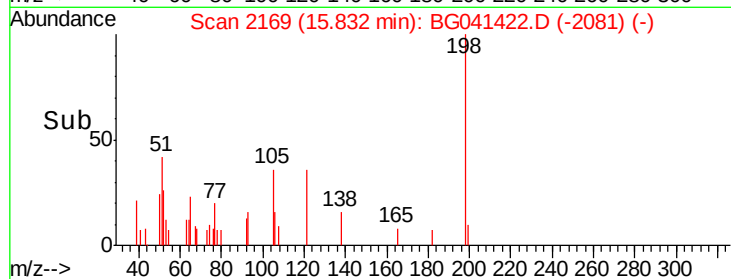
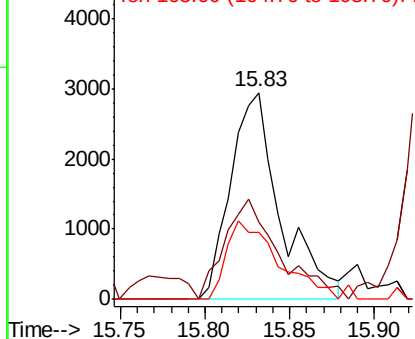
#65
4,6-Dinitro-2-methylphenol
Concen: 5.340 ng
RT: 15.83 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:198 Resp: 6041
Ion Ratio Lower Upper
198 100
51 37.1 23.4 63.4
105 32.2 15.8 55.8

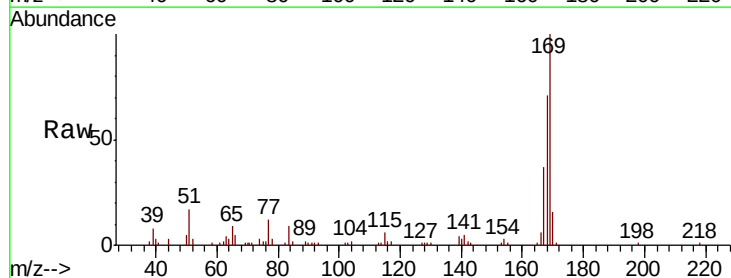


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

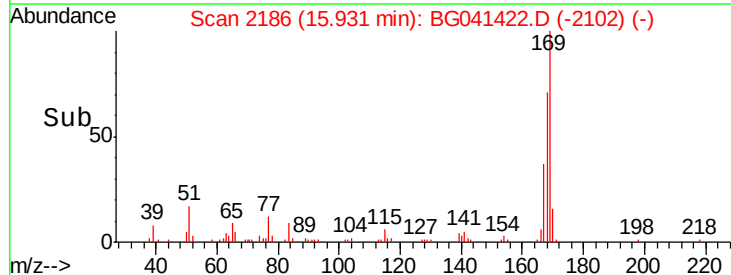
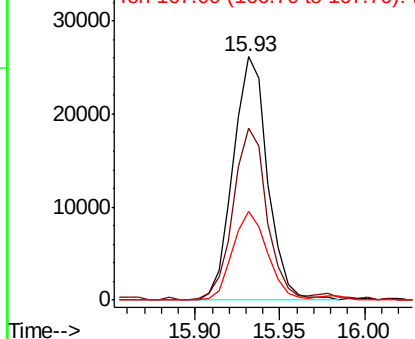


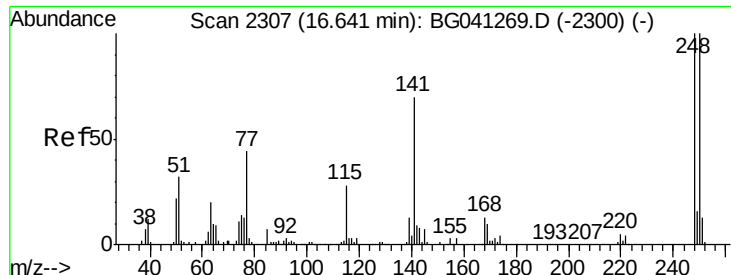
#66
n-Nitrosodiphenylamine
Concen: 8.015 ng
RT: 15.93 min Scan# 2186
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:169 Resp: 37093
Ion Ratio Lower Upper
169 100
168 70.6 55.2 82.8
167 36.6 30.4 45.6



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

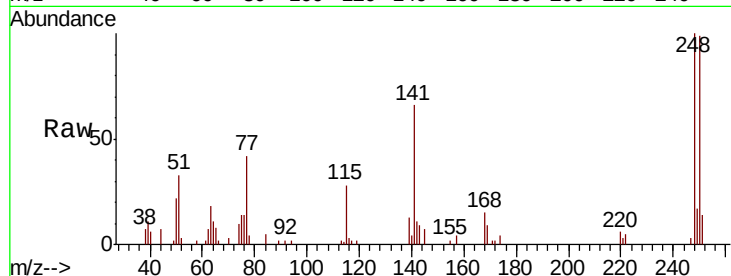




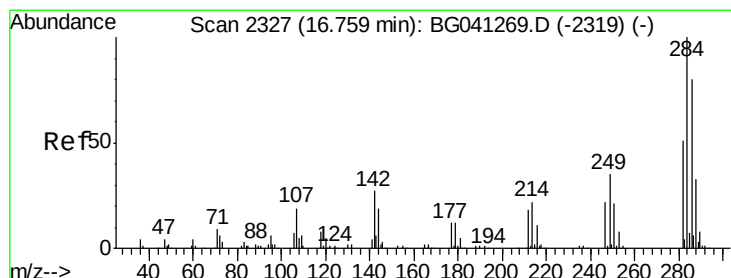
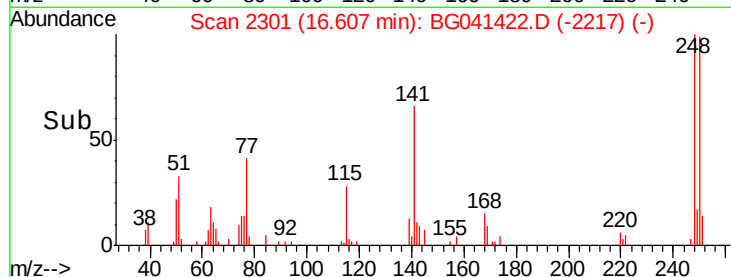
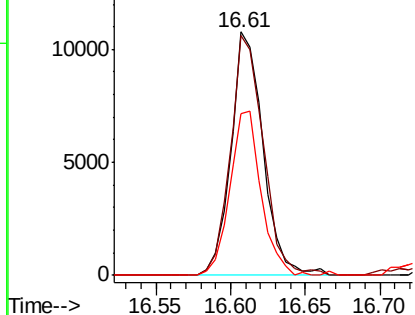
#67
 4-Bromophenyl-phenylether
 Concen: 7.182 ng
 RT: 16.61 min Scan# 2301
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:248 Resp: 16186
 Ion Ratio Lower Upper
 248 100
 250 98.7 79.8 119.8
 141 66.3 55.8 83.6

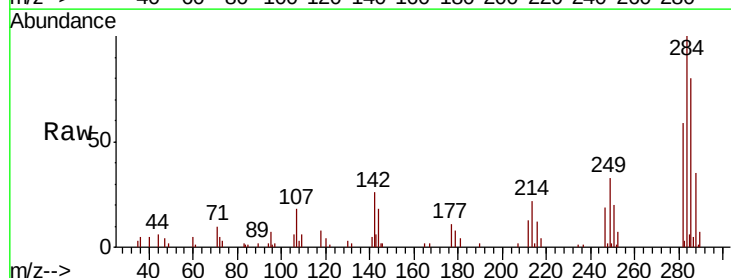


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

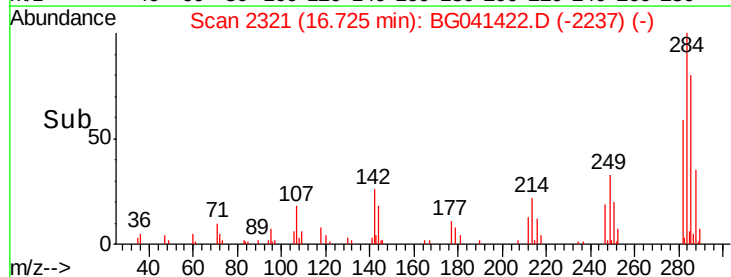
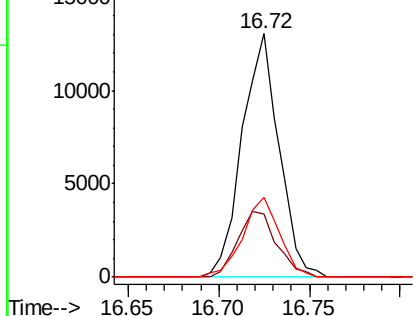


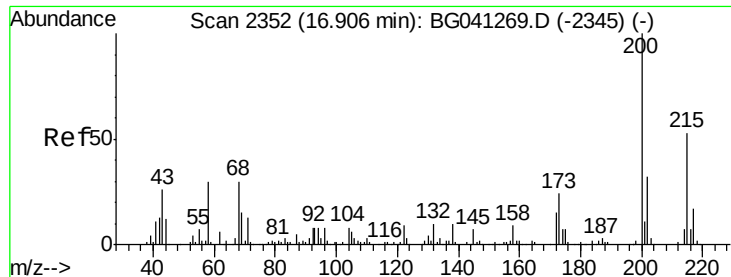
#68
 Hexachlorobenzene
 Concen: 7.634 ng
 RT: 16.72 min Scan# 2321
 Delta R.T. -0.03 min
 Lab File: BG041422.D
 Acq: 24 Jun 2019 13:02

Tgt Ion:284 Resp: 18423
 Ion Ratio Lower Upper
 284 100
 142 26.0 21.8 32.8
 249 32.6 27.8 41.6



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: 7.042 ng

RT: 16.87 min Scan# 2346

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

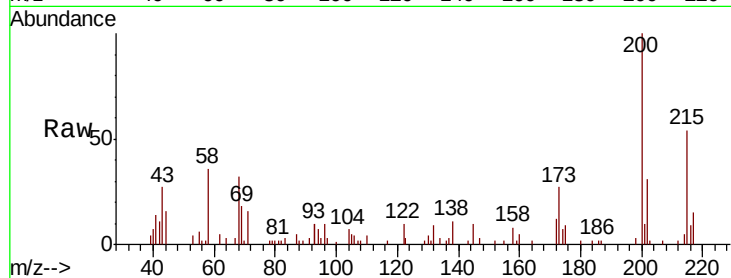
Tgt Ion:200 Resp: 15402

Ion Ratio Lower Upper

200 100

173 26.6 4.0 44.0

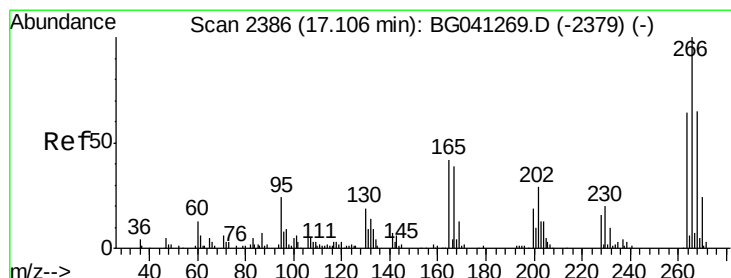
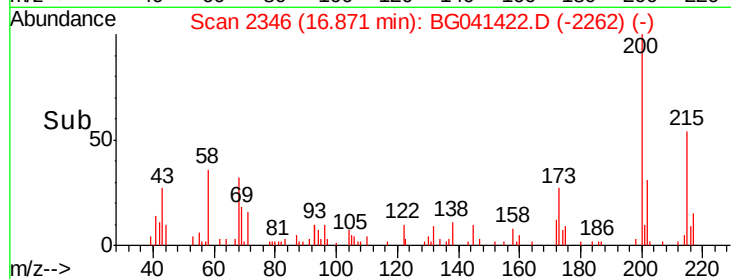
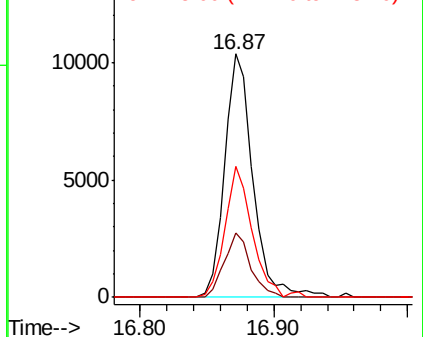
215 53.8 33.4 73.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 3.081 ng

RT: 17.09 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

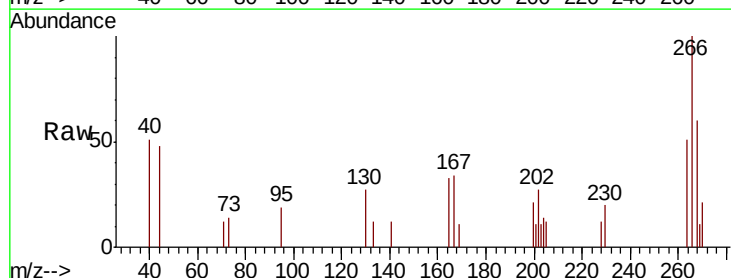
Tgt Ion:266 Resp: 3807

Ion Ratio Lower Upper

266 100

268 59.5 52.0 78.0

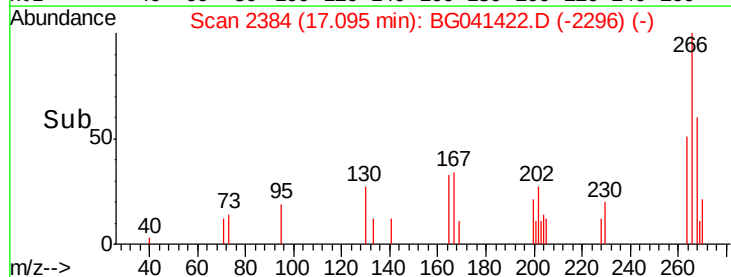
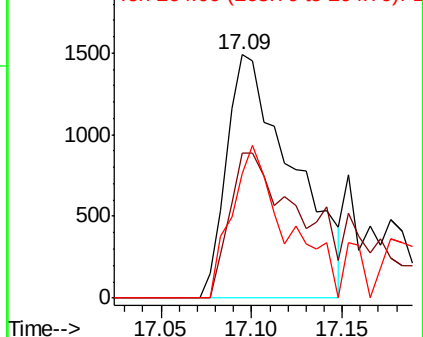
264 51.2 51.2 76.8

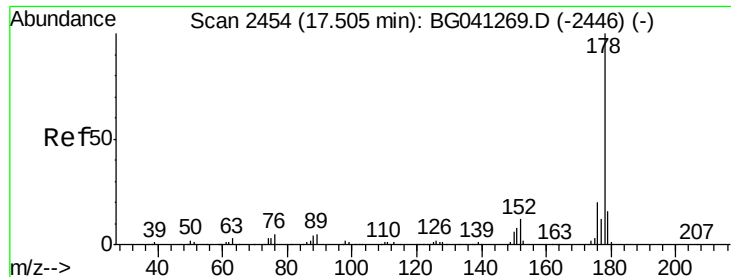


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

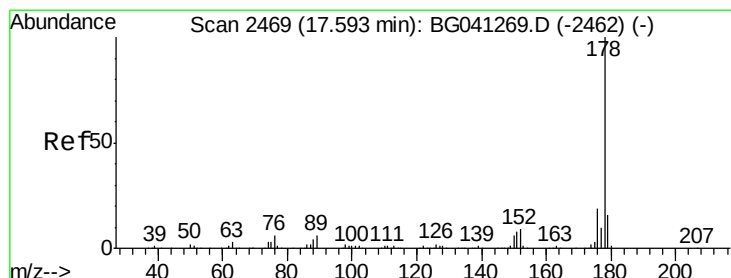
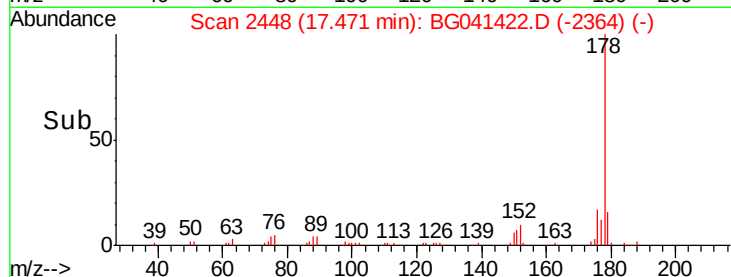
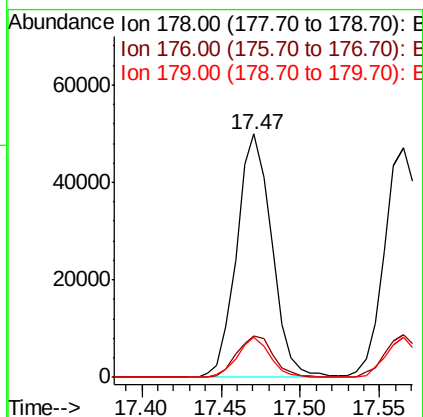
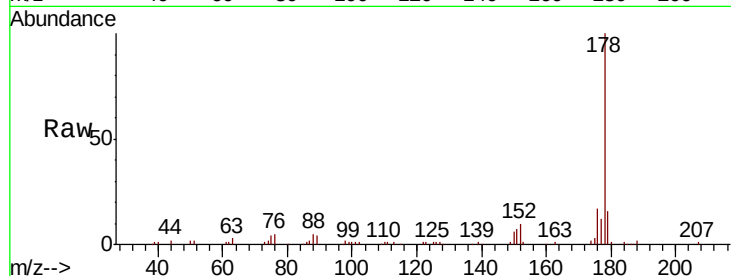




#71
Phenanthrene
Concen: 8.253 ng
RT: 17.47 min Scan# 2448
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

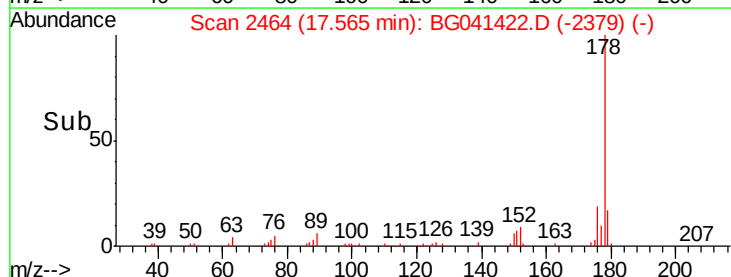
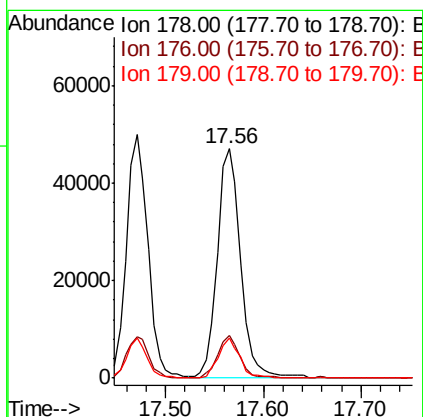
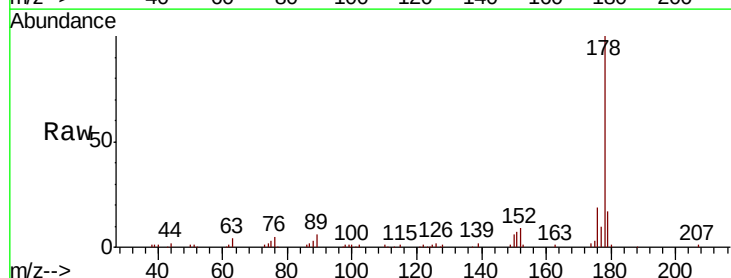
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

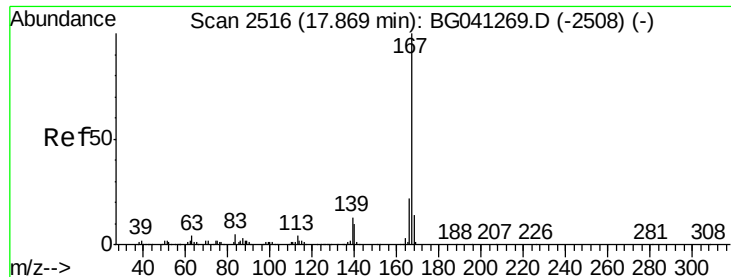
Tgt Ion:178 Resp: 76715
Ion Ratio Lower Upper
178 100
176 16.8 16.1 24.1
179 16.3 12.9 19.3



#72
Anthracene
Concen: 8.542 ng
RT: 17.56 min Scan# 2464
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:178 Resp: 78282
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 17.4 13.0 19.4





#73

Carbazole

Concen: 8.158 ng

RT: 17.84 min Scan# 2511

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

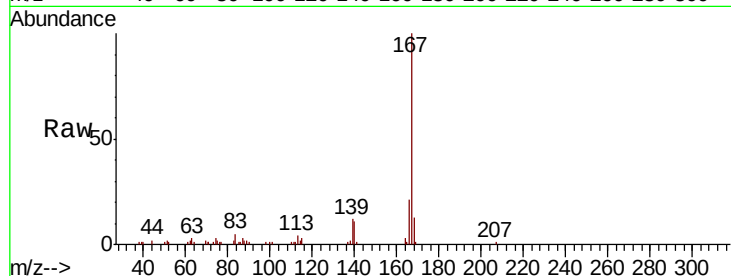
Tgt Ion:167 Resp: 65399

Ion Ratio Lower Upper

167 100

166 20.7 17.9 26.9

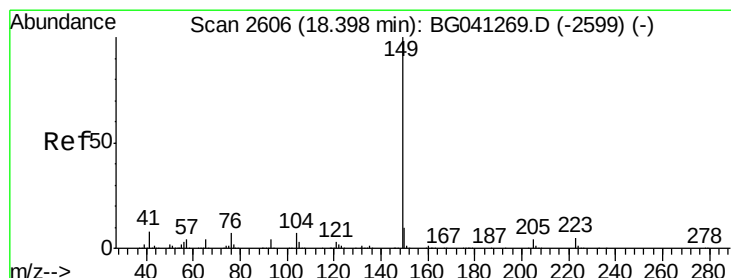
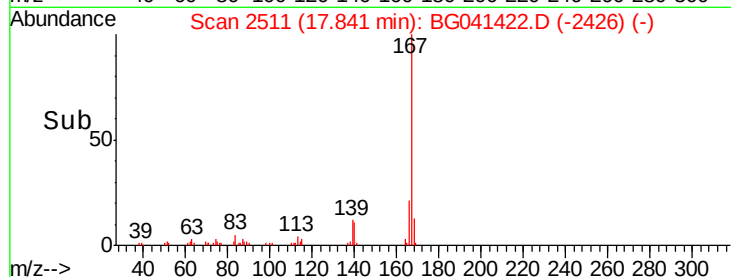
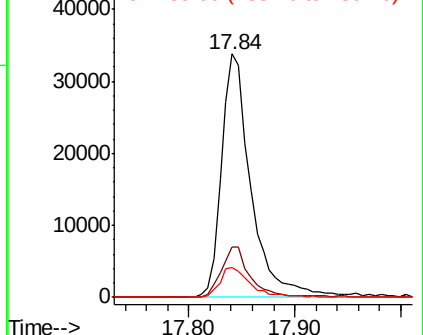
139 12.3 10.7 16.1



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: 7.893 ng

RT: 18.36 min Scan# 2600

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

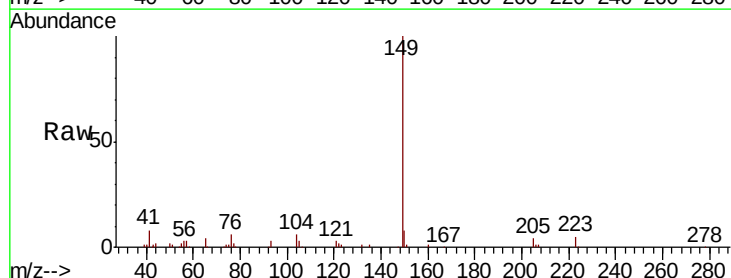
Tgt Ion:149 Resp: 78951

Ion Ratio Lower Upper

149 100

150 7.9 8.1 12.1#

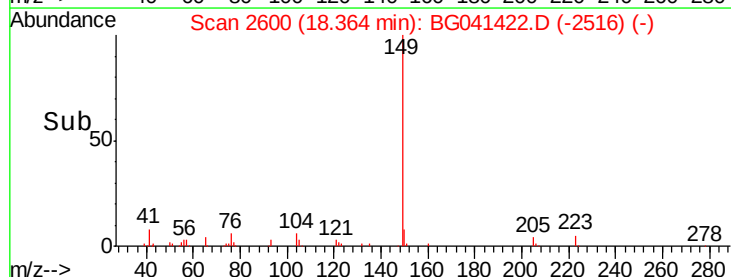
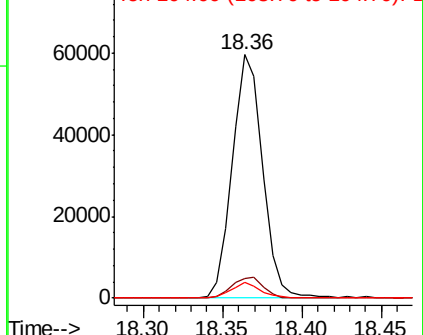
104 6.3 5.4 8.0

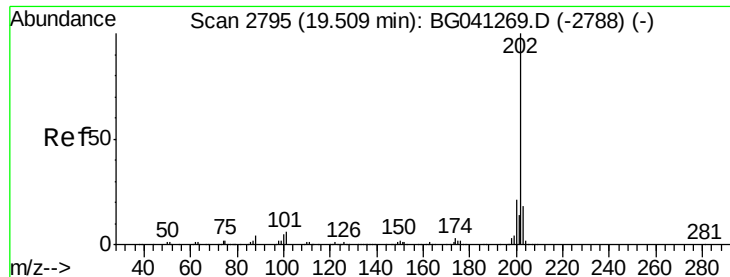


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.385 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

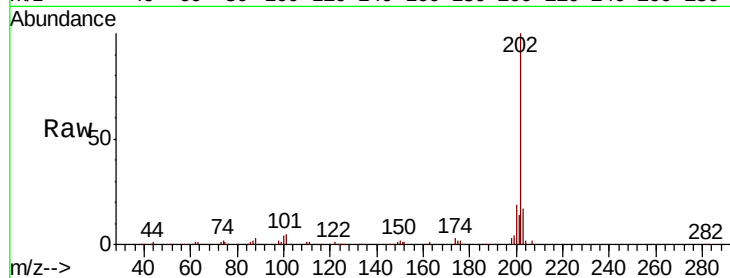
Tgt Ion:202 Resp: 103553

Ion Ratio Lower Upper

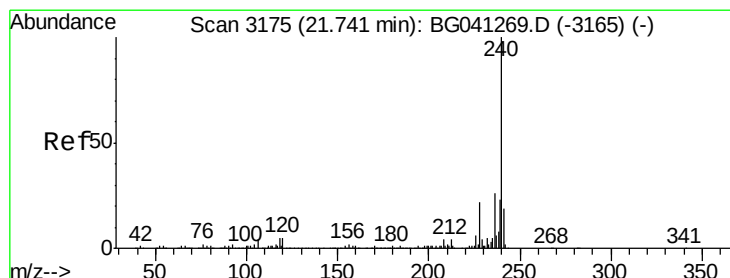
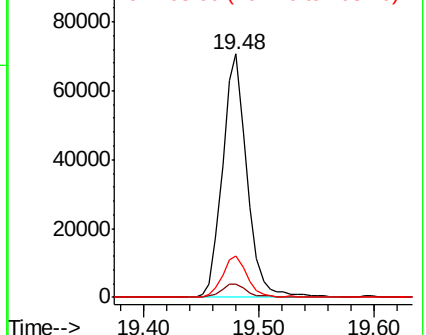
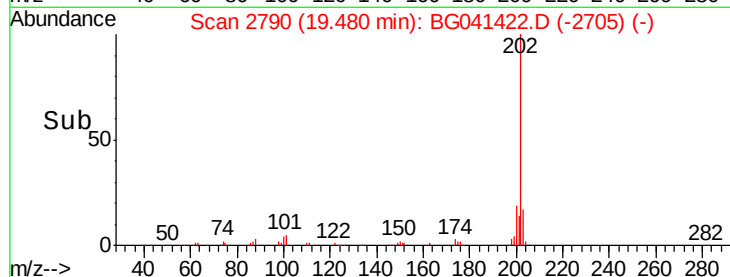
202 100

101 5.3 0.0 26.0

203 16.9 0.0 37.7



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: 21.70 min Scan# 3168

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

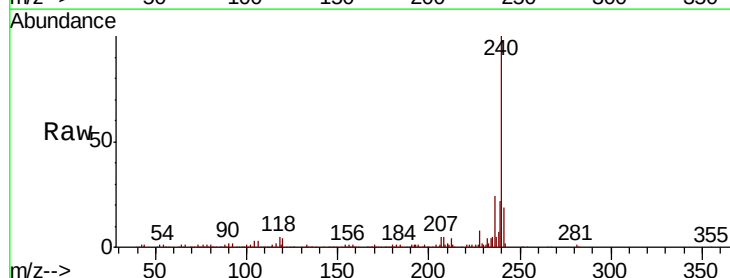
Tgt Ion:240 Resp: 192086

Ion Ratio Lower Upper

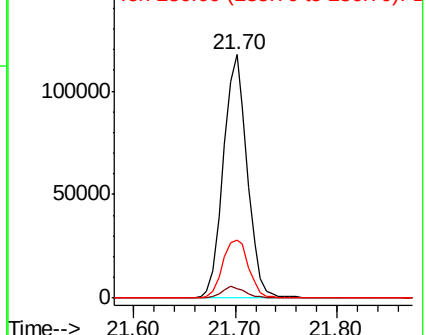
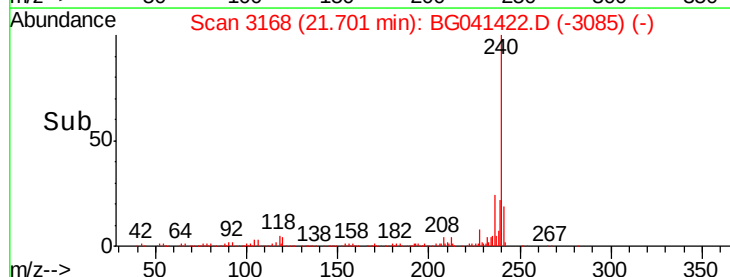
240 100

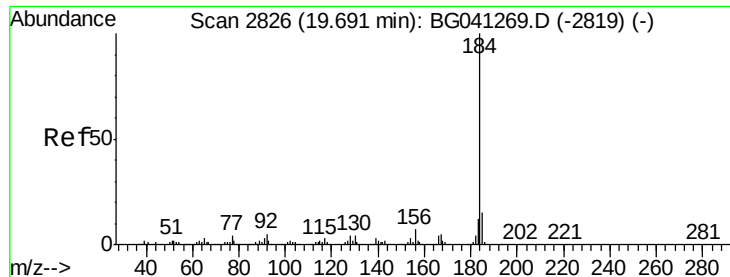
120 3.8 3.7 5.5

236 24.0 21.1 31.7



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: 6.997 ng

RT: 19.67 min Scan# 2822

Delta R.T. -0.02 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

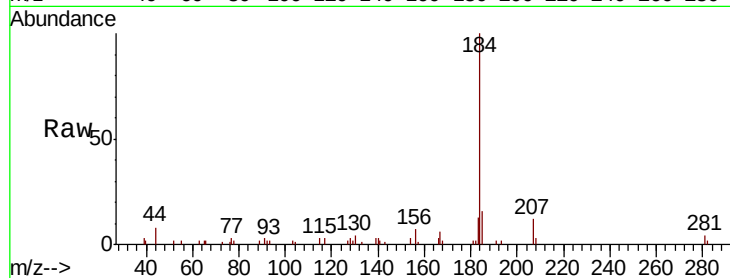
Tgt Ion:184 Resp: 32510

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

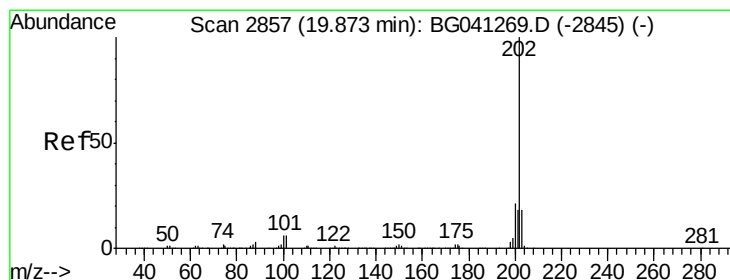
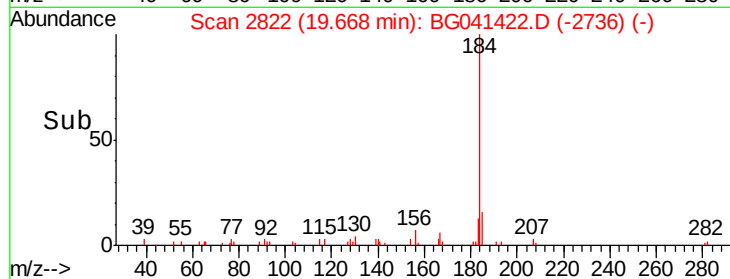
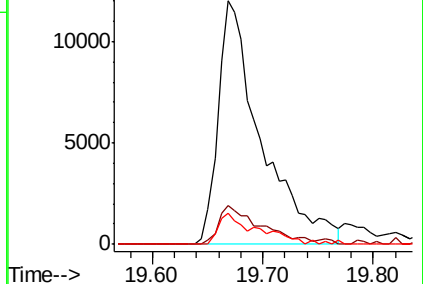
183 12.7 9.6 14.4



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: 8.315 ng

RT: 19.84 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

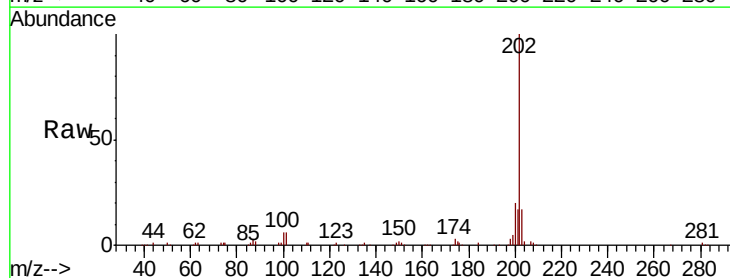
Tgt Ion:202 Resp: 107714

Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

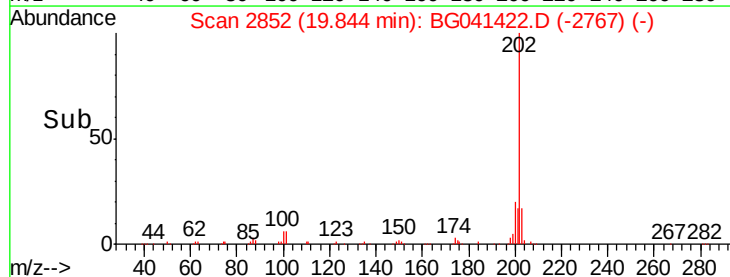
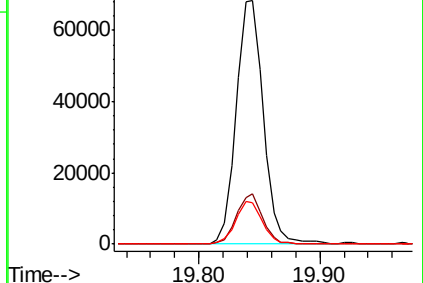
203 17.1 14.6 21.8

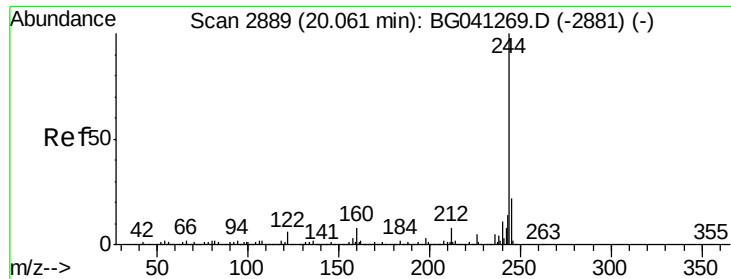


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 96.681 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

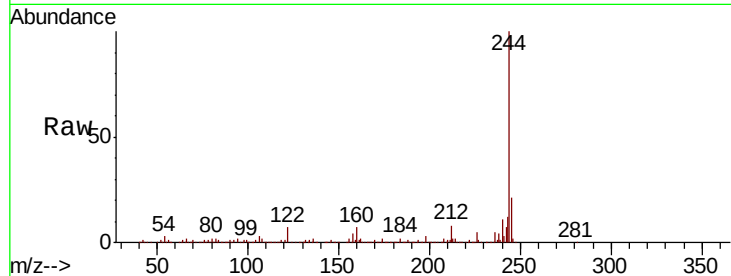
Tgt Ion:244 Resp: 937088

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

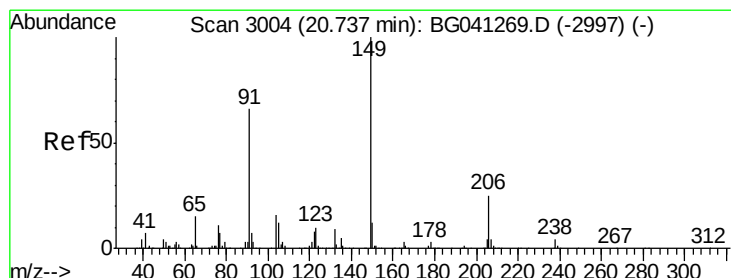
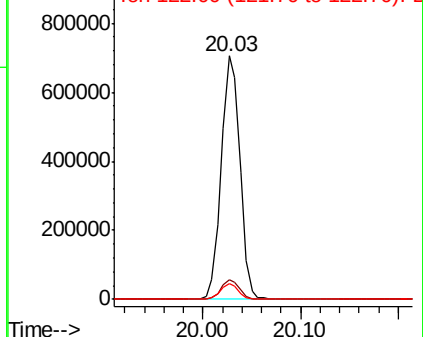
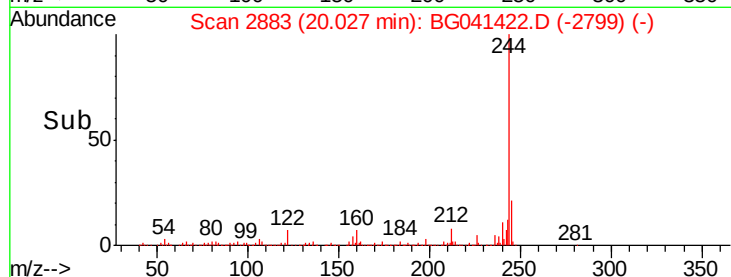
122 6.5 5.0 7.4



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: 7.652 ng

RT: 20.70 min Scan# 2998

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

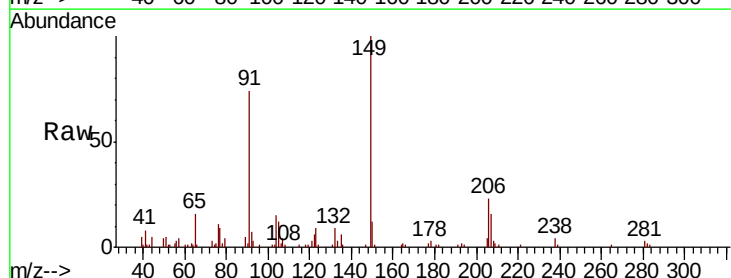
Tgt Ion:149 Resp: 37494

Ion Ratio Lower Upper

149 100

91 73.6 53.2 79.8

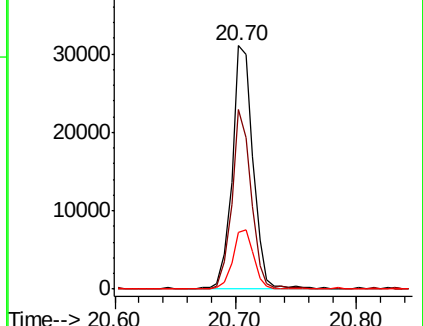
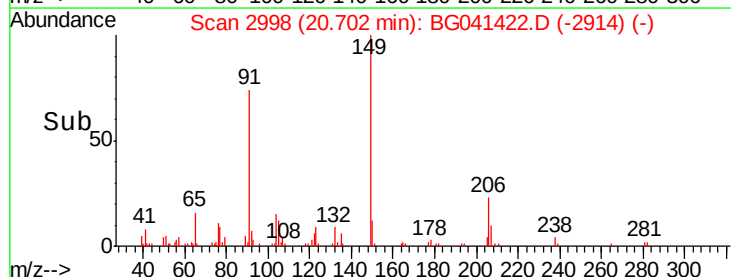
206 23.4 20.3 30.5

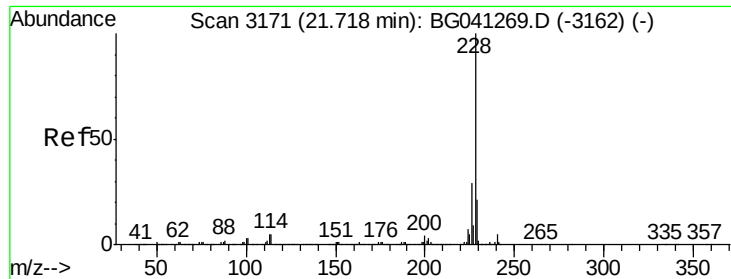


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

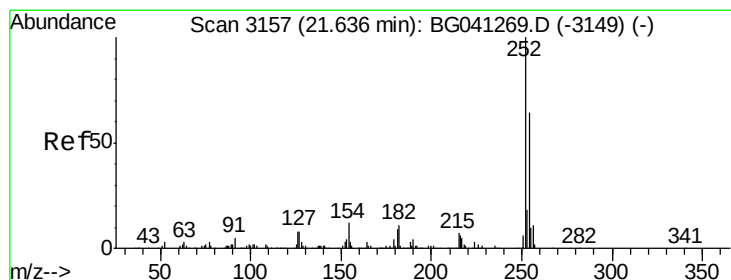
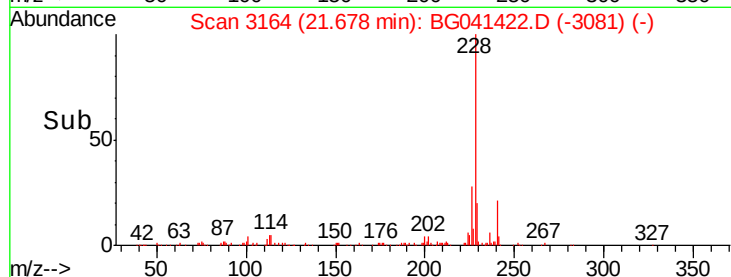
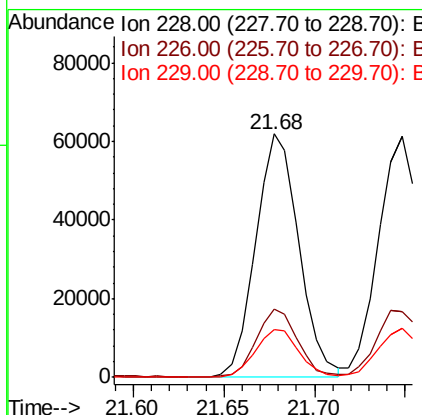
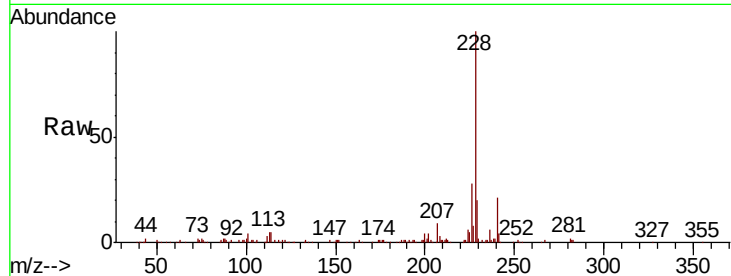




#81
Benzo(a)anthracene
Concen: 7.859 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.04 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

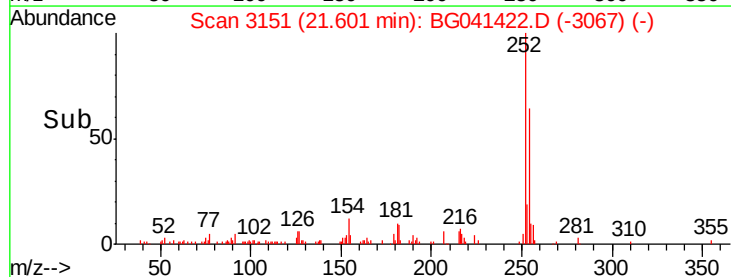
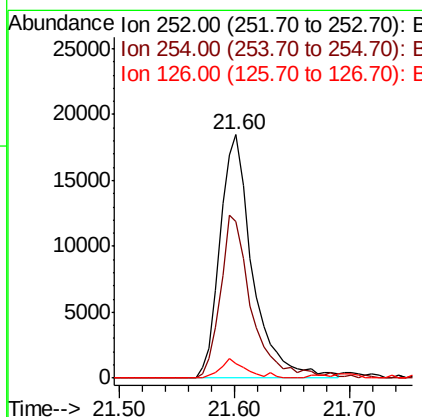
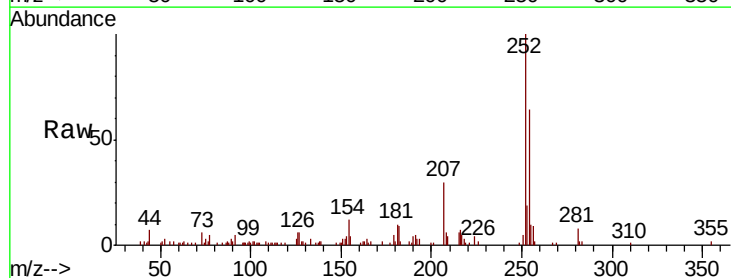
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

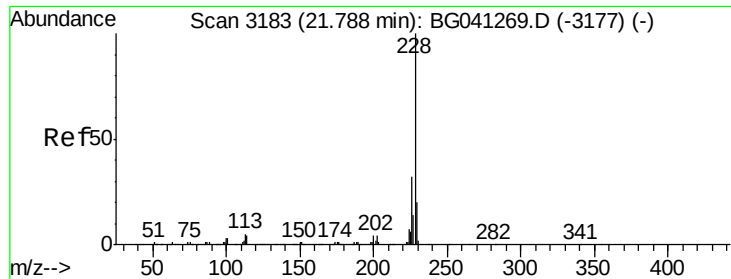
Tgt Ion: 228 Resp: 102214
Ion Ratio Lower Upper
228 100
226 28.3 23.2 34.8
229 19.8 16.8 25.2



#82
3,3'-Dichlorobenzidine
Concen: 7.902 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.03 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion: 252 Resp: 36076
Ion Ratio Lower Upper
252 100
254 64.1 51.4 77.0
126 6.2 6.0 9.0





#83

Chrysene

Concen: 8.114 ng

RT: 21.75 min Scan# 3176

Delta R.T. -0.04 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

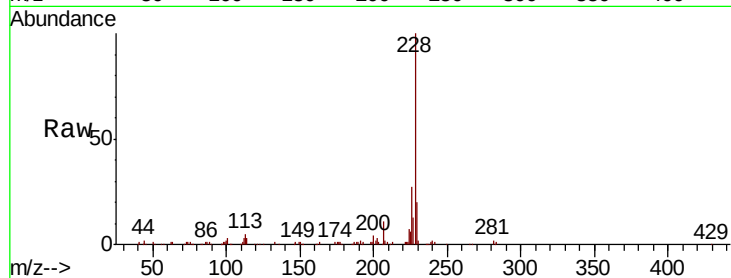
Tgt Ion:228 Resp: 101488

Ion Ratio Lower Upper

228 100

226 27.5 25.4 38.0

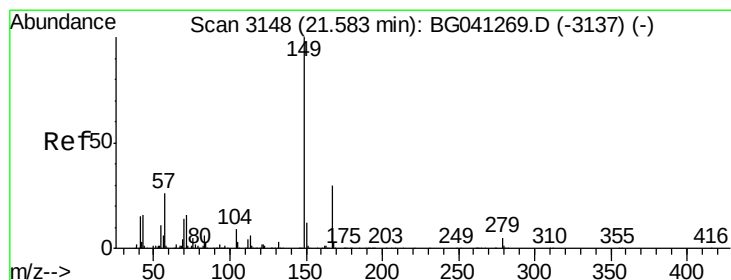
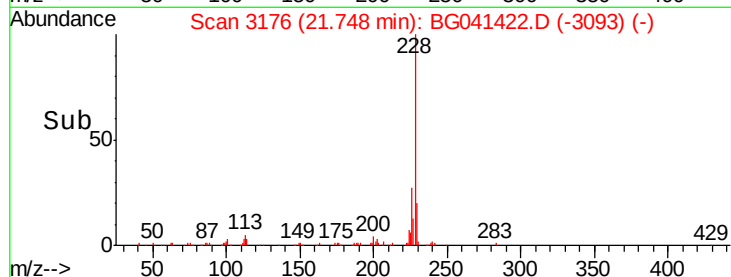
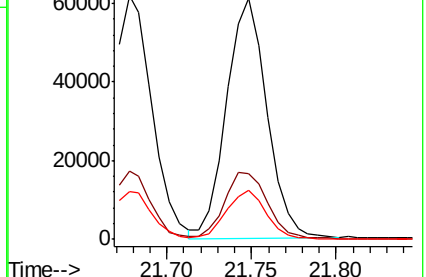
229 20.1 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.787 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.03 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

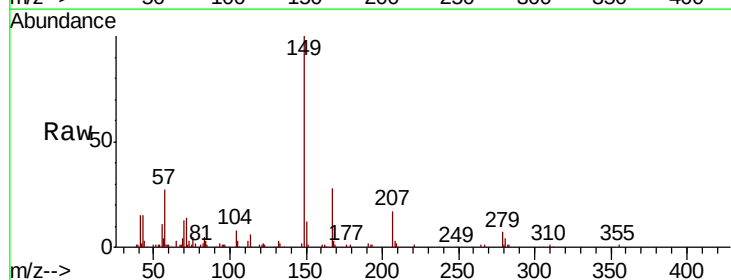
Tgt Ion:149 Resp: 51996

Ion Ratio Lower Upper

149 100

167 28.0 23.8 35.8

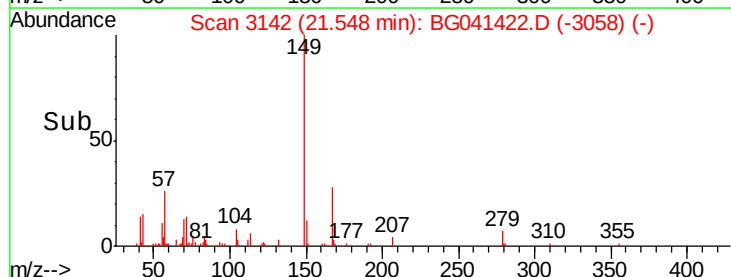
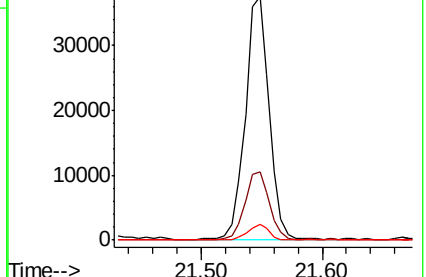
279 6.7 4.4 6.6#

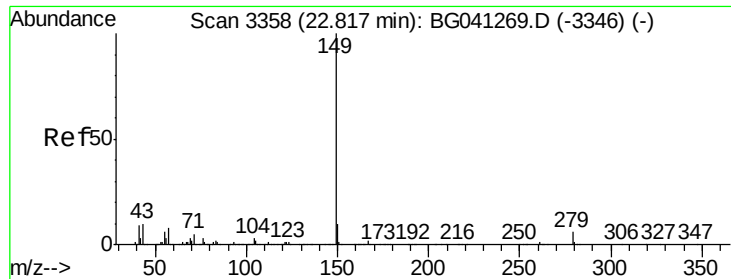


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

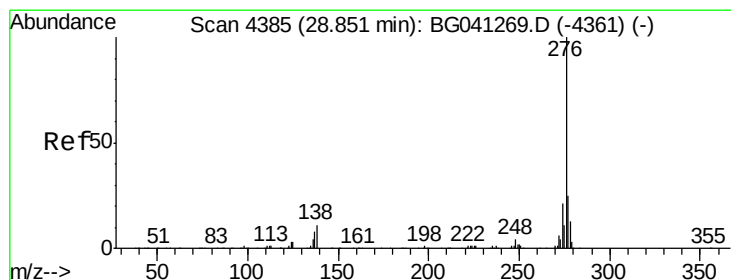
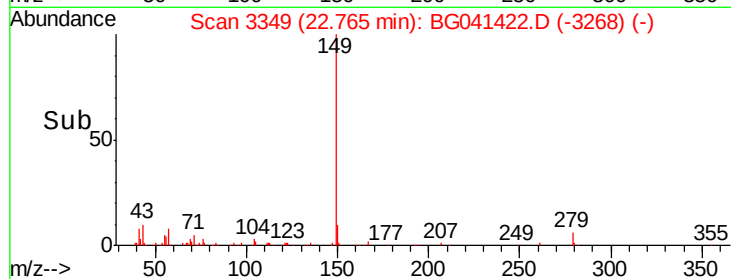
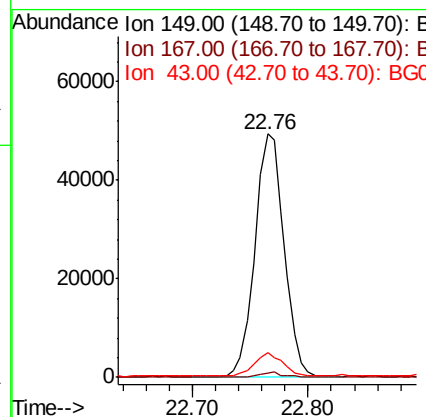
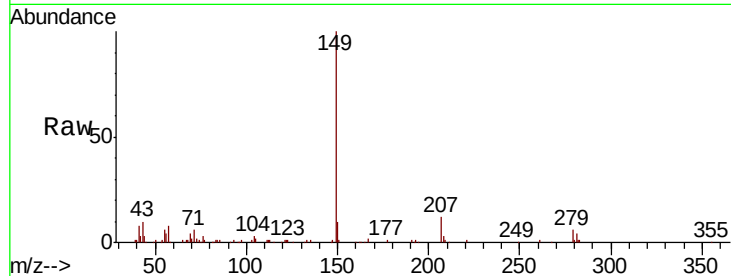




#85
Di-n-octyl phthalate
Concen: 7.736 ng
RT: 22.76 min Scan# 3349
Delta R.T. -0.05 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

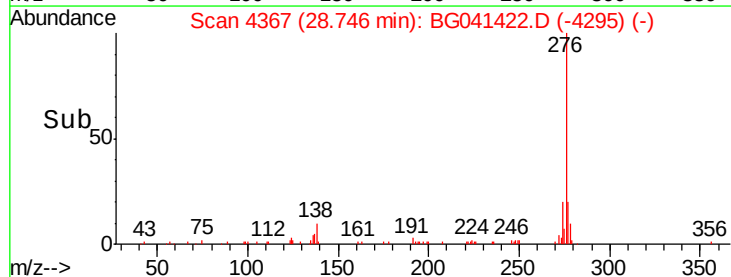
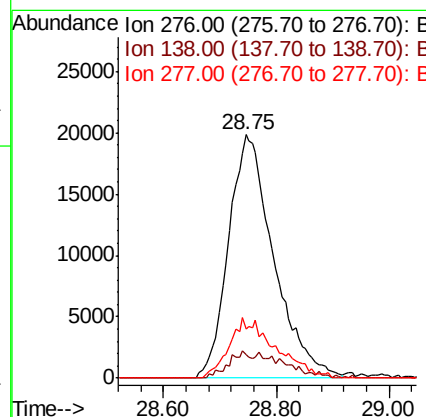
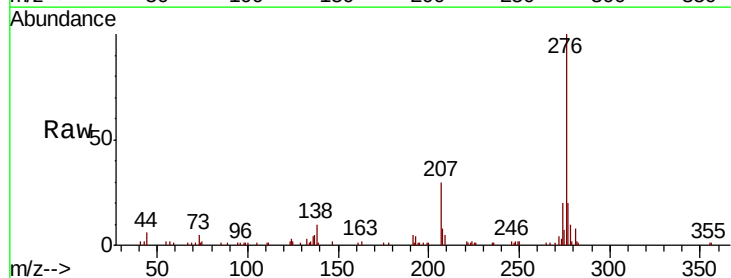
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

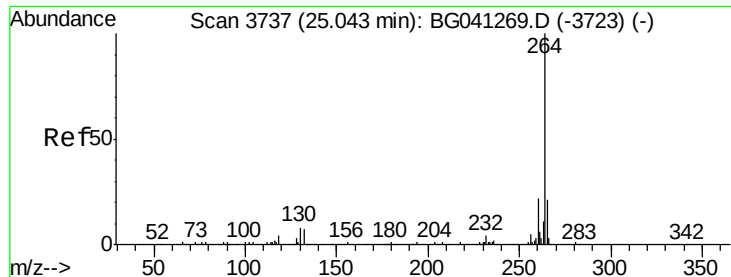
Tgt Ion:149 Resp: 87393
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 9.5 8.2 12.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.429 ng
RT: 28.75 min Scan# 4367
Delta R.T. -0.10 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:276 Resp: 110247
Ion Ratio Lower Upper
276 100
138 5.4 7.7 11.5#
277 12.3 20.6 31.0#





#87

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3727

Delta R.T. -0.06 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

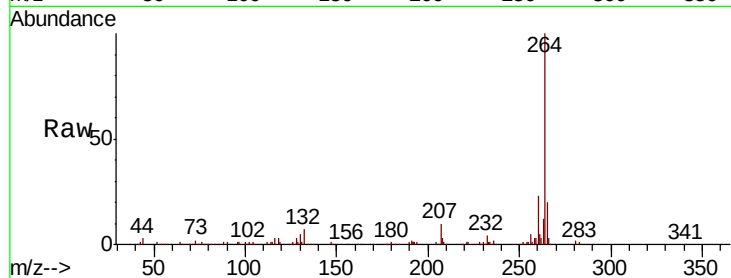
Tgt Ion:264 Resp: 196760

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.2

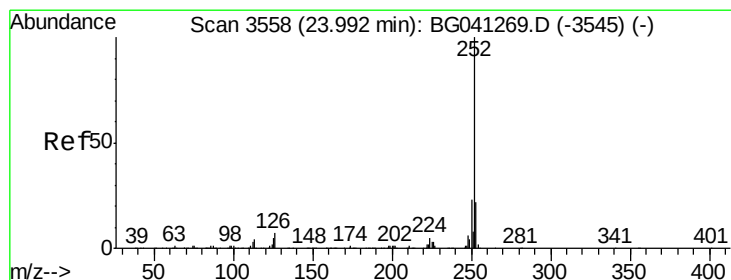
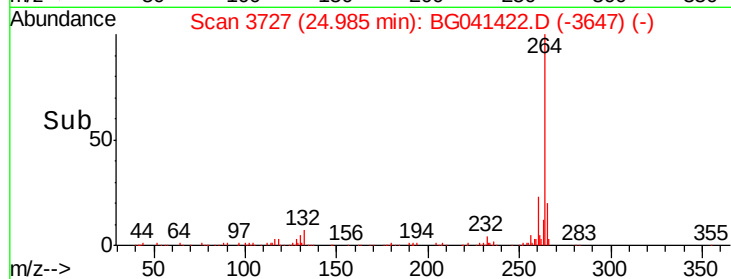
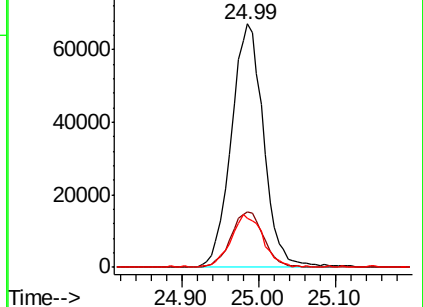
265 20.2 17.2 25.8



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: 7.844 ng

RT: 23.93 min Scan# 3547

Delta R.T. -0.06 min

Lab File: BG041422.D

Acq: 24 Jun 2019 13:02

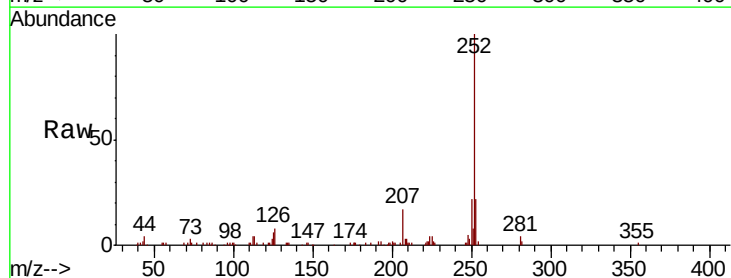
Tgt Ion:252 Resp: 95644

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

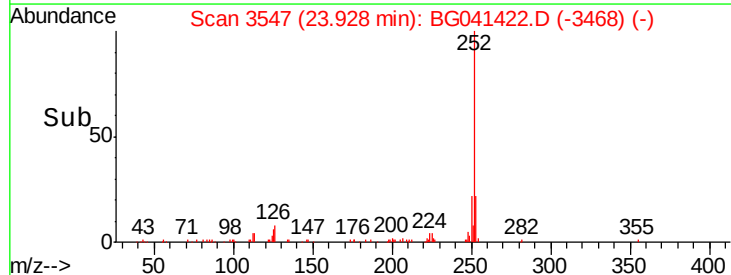
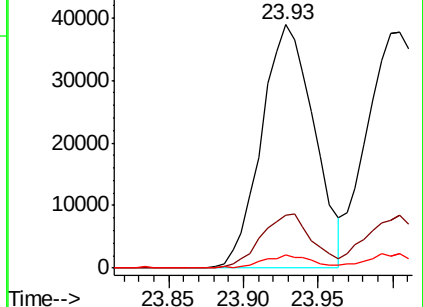
125 5.5 3.9 5.9

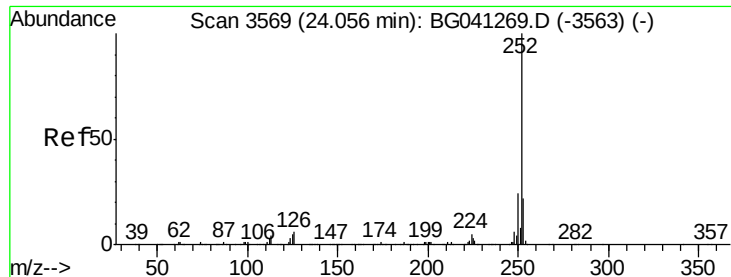


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

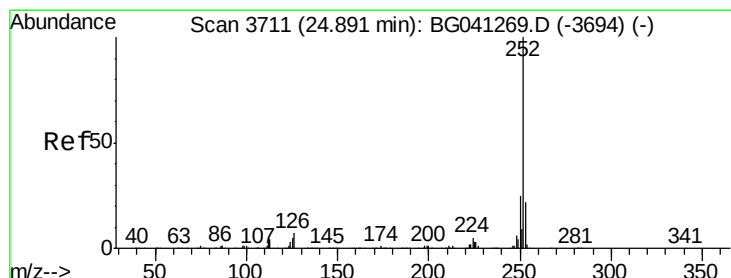
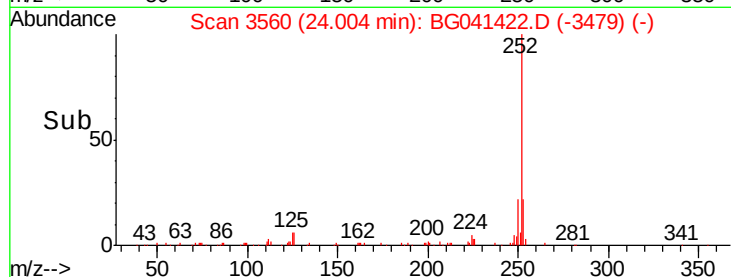
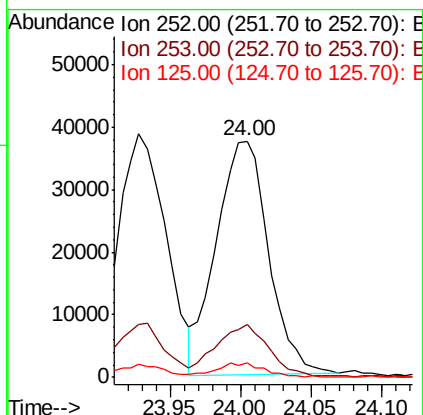
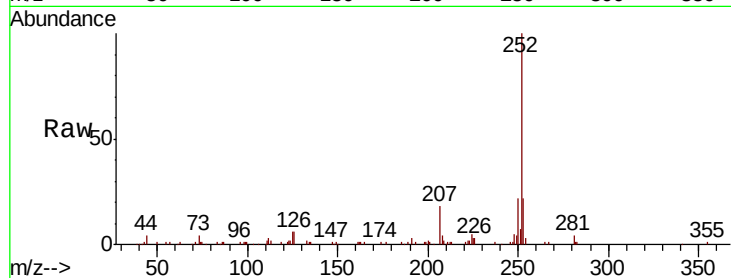




#89
Benzo(k)fluoranthene
Concen: 7.957 ng
RT: 24.00 min Scan# 3560
Delta R.T. -0.05 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

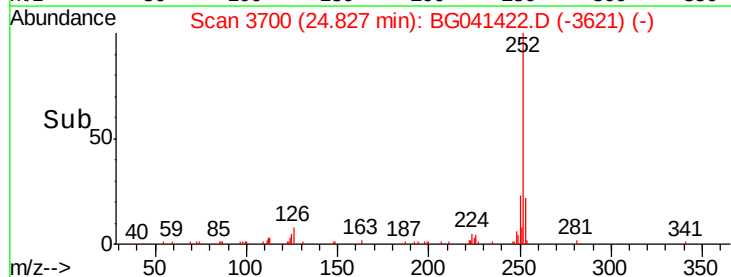
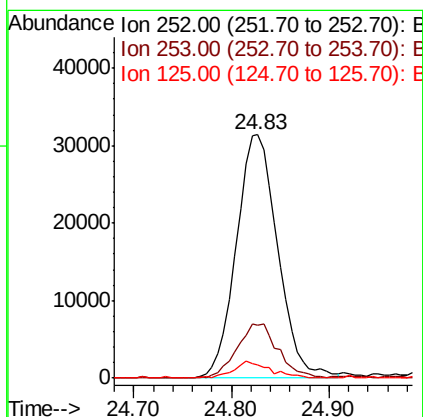
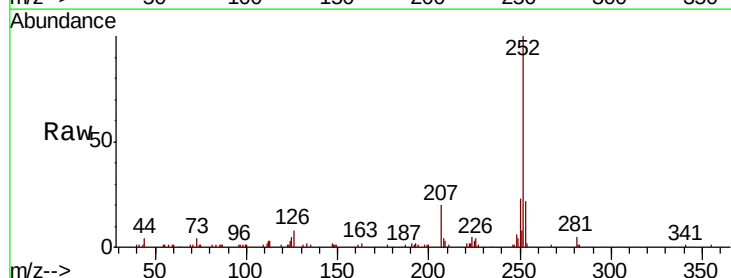
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

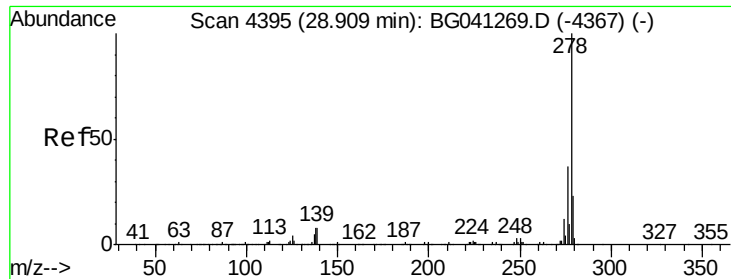
Tgt Ion:252 Resp: 96121
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 6.3 4.3 6.5



#90
Benzo(a)pyrene
Concen: 8.096 ng
RT: 24.83 min Scan# 3700
Delta R.T. -0.06 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion:252 Resp: 93235
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 5.3 4.2 6.4

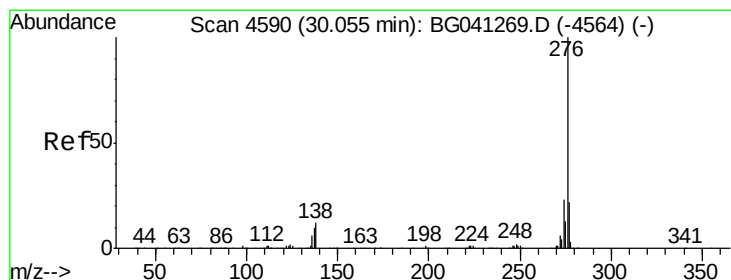
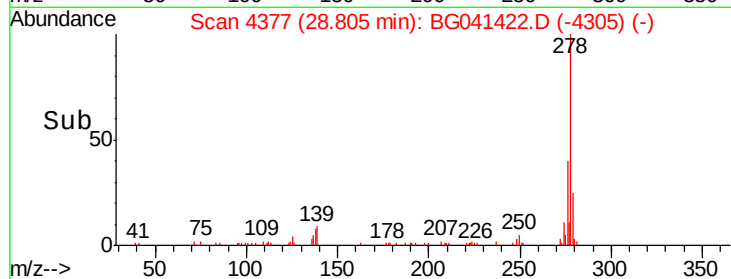
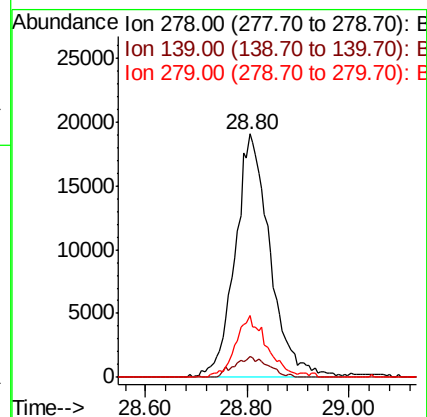
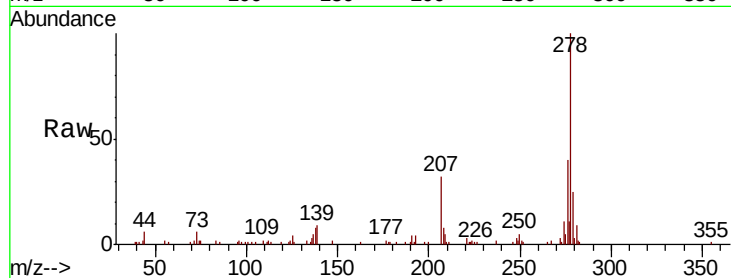




#91
Dibenzo(a,h)anthracene
Concen: 7.857 ng
RT: 28.80 min Scan# 4377
Delta R.T. -0.10 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.5	6.6	10.0
279	25.2	18.5	27.7



#92
Benzo(g,h,i)perylene
Concen: 7.856 ng
RT: 29.94 min Scan# 4570
Delta R.T. -0.12 min
Lab File: BG041422.D
Acq: 24 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	17.9	26.9
138	8.5	9.4	14.0

