

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041154.D
 Acq On : 9 Jun 2019 5:25
 Operator : HP/JU
 Sample : SOILBS03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS03

Quant Time: Jun 10 05:55:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	165520	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	686855	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	500978	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	1208624	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	1208623	20.00	ng	-0.02
87) Perylene-d12	25.10	264	1359037	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	1045919	113.94	ng	-0.01
7) Phenol-d6	7.27	99	1475752	104.10	ng	0.00
23) Nitrobenzene-d5	9.29	82	1010387	65.30	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	838428	112.73	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	2186090	62.84	ng	-0.02
79) Terphenyl-d14	20.09	244	3201807	56.22	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	30402	7.299	ng	# 89
3) Pyridine	3.91	79	87939	7.135	ng	96
4) n-Nitrosodimethylamine	3.83	42	50387	8.809	ng	84
6) Aniline	7.44	93	110680	5.849	ng	96
8) 2-Chlorophenol	7.67	128	100211	9.157	ng	97
9) Benzaldehyde	7.25	77	34219	4.046	ng	86
10) Phenol	7.29	94	135053	8.885	ng	96
11) bis(2-Chloroethyl)ether	7.53	93	92891	8.424	ng	96
12) 1,3-Dichlorobenzene	7.99	146	105749	8.091	ng	93
13) 1,4-Dichlorobenzene	8.14	146	110550	8.356	ng	95
14) 1,2-Dichlorobenzene	8.46	146	103981	8.095	ng	97
15) Benzyl Alcohol	8.35	79	113225	8.634	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.62	45	145106	8.053	ng	97
17) 2-Methylphenol	8.54	107	98010	8.906	ng	96
18) Hexachloroethane	9.19	117	42082	8.253	ng	96
19) n-Nitroso-di-n-propylamine	8.91	70	90075	8.257	ng	98
20) 3+4-Methylphenols	8.87	107	133218	8.739	ng	99
22) Acetophenone	8.93	105	172631	8.960	ng	# 96
24) Nitrobenzene	9.33	77	144993	9.196	ng	99
25) Isophorone	9.84	82	259132	8.801	ng	99
26) 2-Nitrophenol	10.03	139	63407	9.755	ng	95
27) 2,4-Dimethylphenol	10.08	122	108420	10.099	ng	98
28) bis(2-Chloroethoxy)methane	10.32	93	134069	8.436	ng	98
29) 2,4-Dichlorophenol	10.57	162	124200	9.111	ng	96
30) 1,2,4-Trichlorobenzene	10.79	180	137351	8.857	ng	94
31) Naphthalene	10.98	128	329101	8.924	ng	99
32) Benzoic acid	10.21	122	61854	14.285	ng	98
33) 4-Chloroaniline	11.09	127	70449	4.117	ng	96
34) Hexachlorobutadiene	11.24	225	96885	8.165	ng	98
35) Caprolactam	11.88	113	38496	8.551	ng	89
36) 4-Chloro-3-methylphenol	12.19	107	135730	8.718	ng	94
37) 2-Methylnaphthalene	12.57	142	257149	9.054	ng	99
38) 1-Methylnaphthalene	12.79	142	245821m	9.184	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	191775	9.498	ng	97

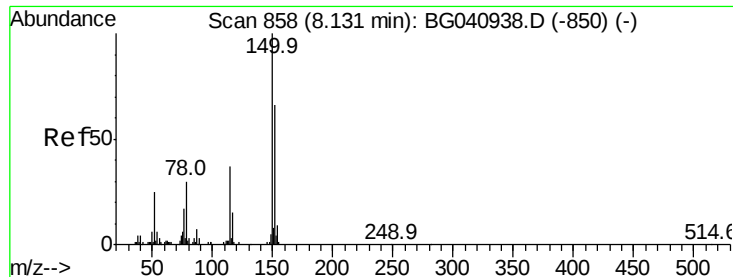
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41) Hexachlorocyclopentadiene	12.90	237	206575	25.308	ng	99
43) 2,4,6-Trichlorophenol	13.17	196	119151	9.122	ng	96
44) 2,4,5-Trichlorophenol	13.25	196	122936	8.924	ng	96
46) 1,1'-Biphenyl	13.57	154	344655	9.294	ng	98
47) 2-Chloronaphthalene	13.62	162	287905	9.044	ng	98
48) 2-Nitroaniline	13.83	65	97485	8.536	ng	97
49) Acenaphthylene	14.46	152	437084	9.122	ng	99
50) Dimethylphthalate	14.19	163	362904	8.557	ng	98
51) 2,6-Dinitrotoluene	14.32	165	81793	8.945	ng	98
52) Acenaphthene	14.80	154	250375	8.626	ng	97
53) 3-Nitroaniline	14.65	138	56236	6.151	ng	99
54) 2,4-Dinitrophenol	14.85	184	80138	27.474	ng	94
55) Dibenzofuran	15.13	168	445015	9.112	ng	100
56) 4-Nitrophenol	14.95	139	116823	18.628	ng	96
57) 2,4-Dinitrotoluene	15.10	165	111730	8.651	ng	97
58) Fluorene	15.78	166	347451	8.933	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.35	232	123527	9.124	ng	99
60) Diethylphthalate	15.54	149	369918	8.547	ng	100
61) 4-Chlorophenyl-phenylether	15.77	204	217069	8.586	ng	95
62) 4-Nitroaniline	15.81	138	77021	7.957	ng	95
63) Azobenzene	16.06	77	344695	8.763	ng	99
65) 4,6-Dinitro-2-methylphenol	15.86	198	63218	16.604	ng	95
66) n-Nitrosodiphenylamine	15.99	169	312318	9.192	ng	100
67) 4-Bromophenyl-phenylether	16.66	248	143423	8.793	ng	96
68) Hexachlorobenzene	16.77	284	150854	8.686	ng	99
69) Atrazine	16.93	200	129789	9.900	ng	98
70) Pentachlorophenol	17.12	266	162106	20.752	ng	95
71) Phenanthrene	17.52	178	574470	9.125	ng	99
72) Anthracene	17.61	178	600397	9.670	ng	99
73) Carbazole	17.88	167	511792	9.606	ng	98
74) Di-n-butylphthalate	18.42	149	611541	9.235	ng	99
75) Fluoranthene	19.53	202	763892	9.824	ng	100
77) Benzidine	19.71	184	230843	8.006	ng	98
78) Pyrene	19.89	202	767171	9.764	ng	98
80) Butylbenzylphthalate	20.75	149	283166	9.261	ng	99
81) Benzo(a)anthracene	21.74	228	737448	9.166	ng	99
82) 3,3'-Dichlorobenzidine	21.66	252	184428	6.517	ng	96
83) Chrysene	21.81	228	713018	9.261	ng	100
84) Bis(2-ethylhexyl)phthalate	21.60	149	392873	9.128	ng	96
85) Di-n-octyl phthalate	22.84	149	665391	9.282	ng	99
86) Indeno(1,2,3-cd)pyrene	28.91	276	813670	8.627	ng	# 99
88) Benzo(b)fluoranthene	24.02	252	730196	8.858	ng	99
89) Benzo(k)fluoranthene	24.09	252	723428	8.869	ng	99
90) Benzo(a)pyrene	24.93	252	722216	9.183	ng	97
91) Dibenzo(a,h)anthracene	28.96	278	696439	8.863	ng	99
92) Benzo(g,h,i)perylene	30.10	276	658026	8.619	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

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ClientSampleId :

SOILBS03

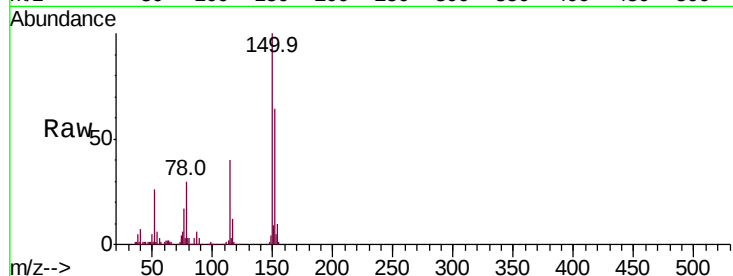
Tot Ion:152 Resp: 165520

Ion Ratio Lower Upper

152 100

150 156.1 120.6 180.8

115 62.2 45.1 67.7



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

200000

150000

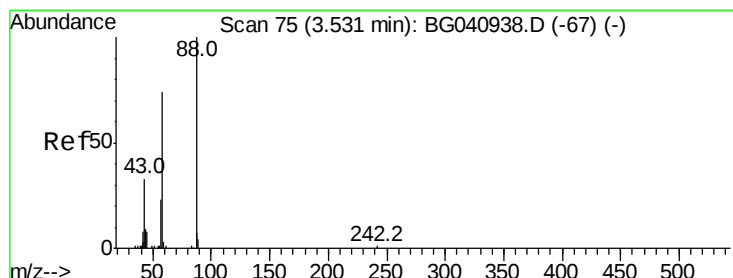
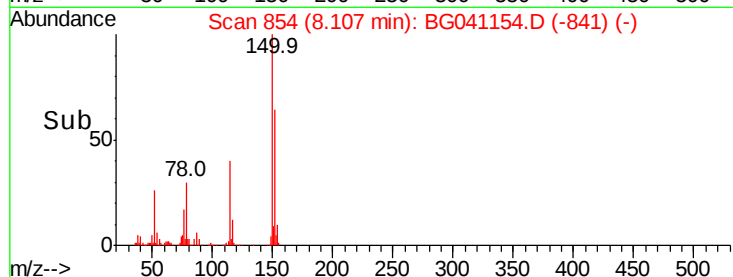
100000

50000

0

8.00 8.05 8.10 8.15 8.20

Time-->



#2

1,4-Dioxane

Concen: 7.299 ng

RT: 3.49 min Scan# 69

Delta R.T. -0.04 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

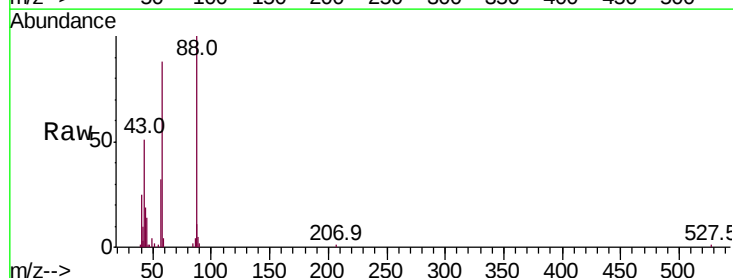
Tgt Ion: 88 Resp: 30402

Ion Ratio Lower Upper

88 100

58 82.5 59.0 88.6

43 41.9 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

25000

20000

15000

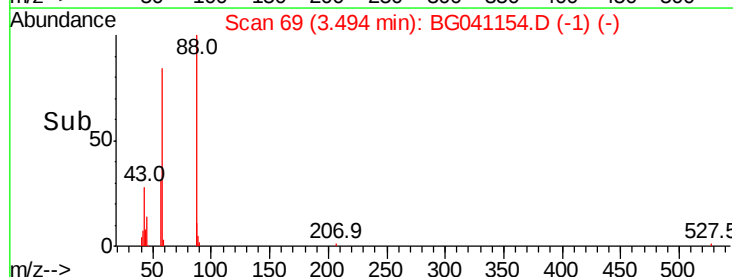
10000

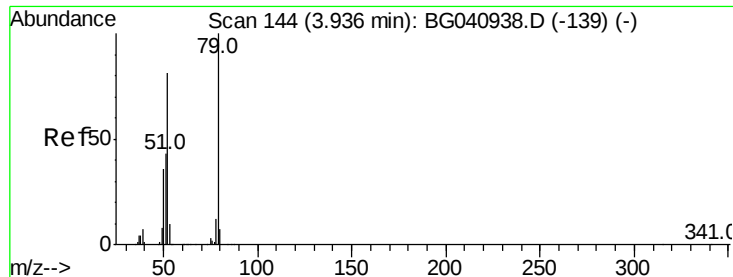
5000

0

3.45 3.50 3.55 3.60

Time-->





#3

Pvridine

Concen: 7.135 ng

RT: 3.91 min Scan# 139

Delta R.T. -0.03 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

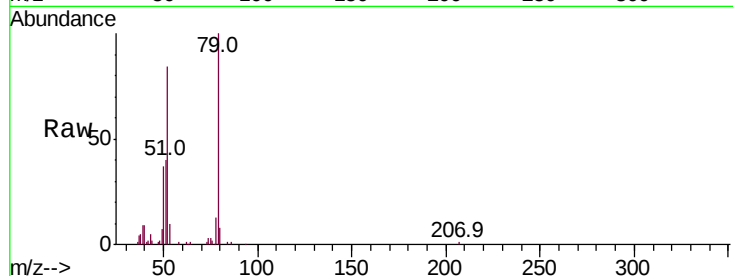
Tot Ion: 79 Resp: 87939

Ion Ratio Lower Upper

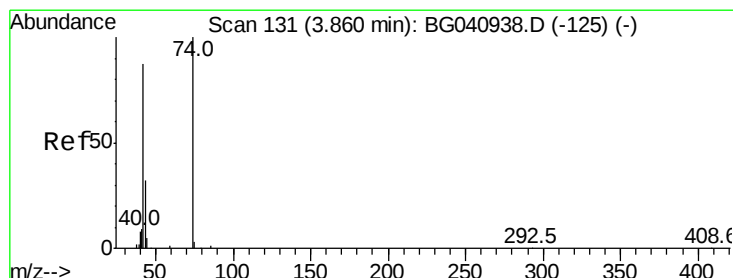
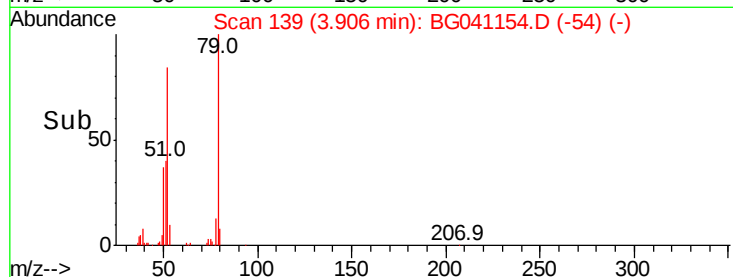
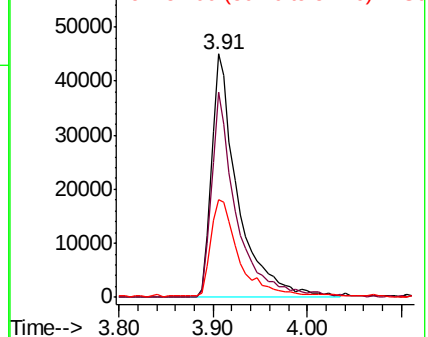
79 100

52 84.1 64.8 97.2

51 40.3 35.3 52.9



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: 8.809 ng

RT: 3.83 min Scan# 126

Delta R.T. -0.03 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

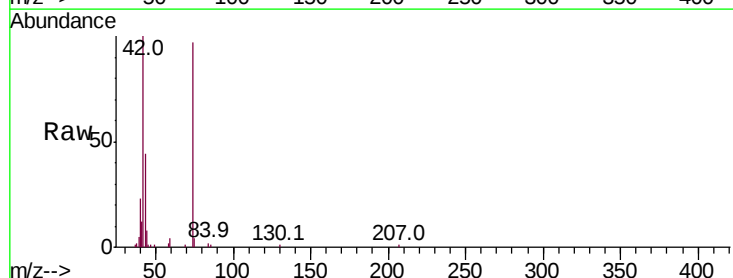
Tgt Ion: 42 Resp: 50387

Ion Ratio Lower Upper

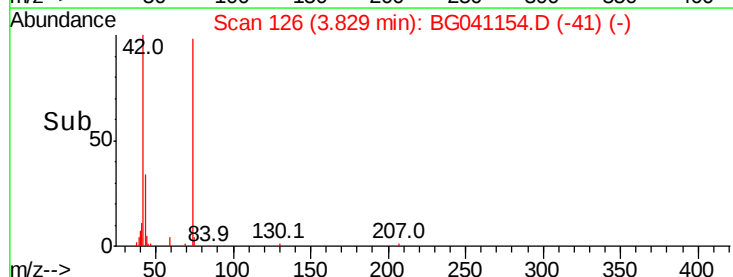
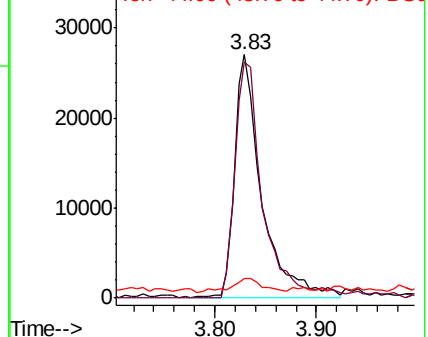
42 100

74 96.8 91.8 137.6

44 8.3 6.0 9.0



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: 113.945 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

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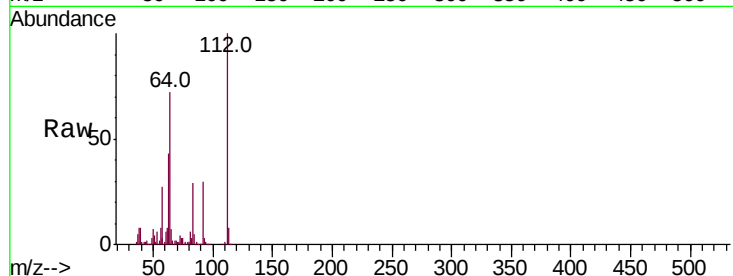
Tot Ion:112 Resp: 1045919

Ion Ratio Lower Upper

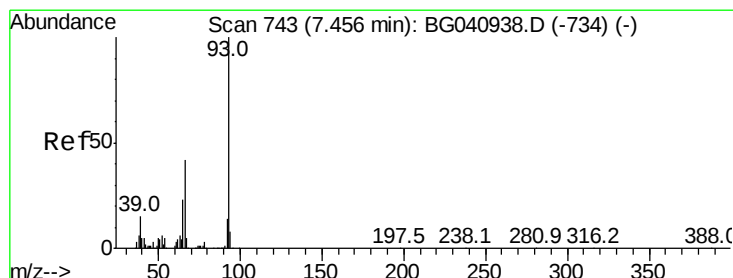
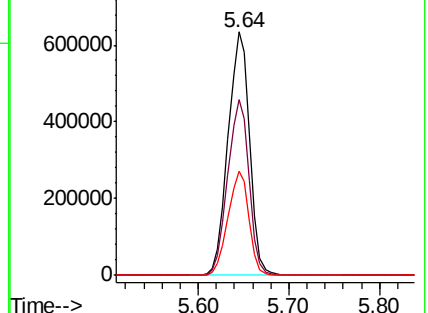
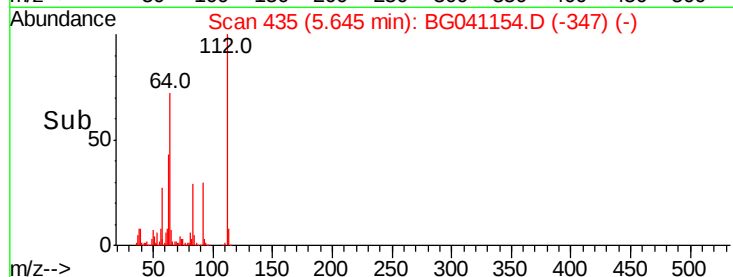
112 100

64 72.0 56.2 84.2

63 42.9 32.8 49.2



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: 5.849 ng

RT: 7.44 min Scan# 740

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

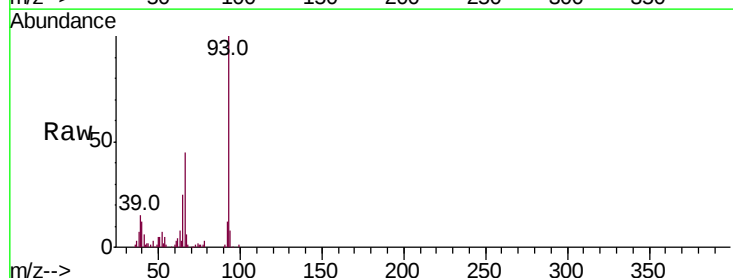
Tgt Ion: 93 Resp: 110680

Ion Ratio Lower Upper

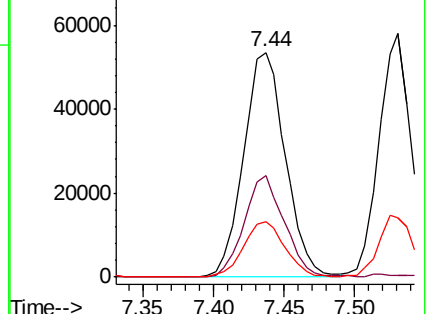
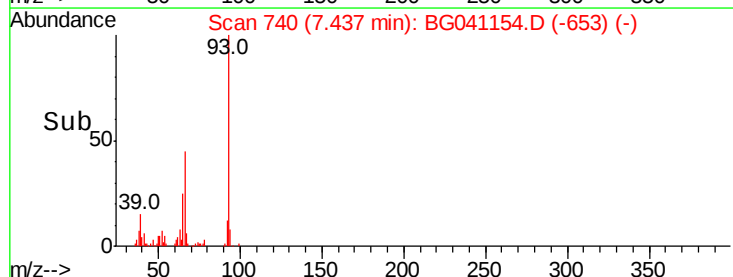
93 100

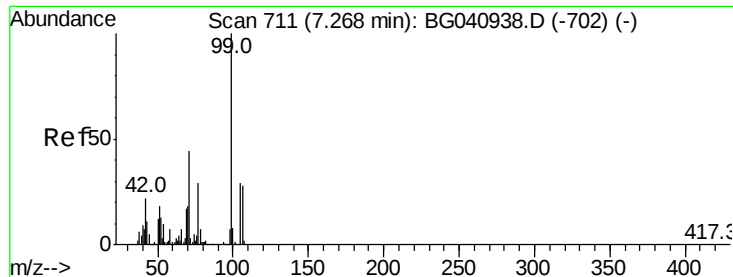
66 45.3 33.8 50.8

65 24.7 18.3 27.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 104.100 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG041154.D

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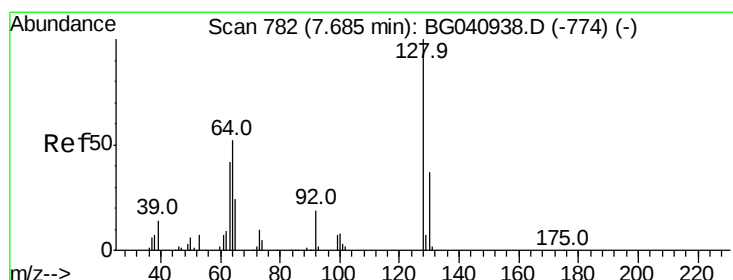
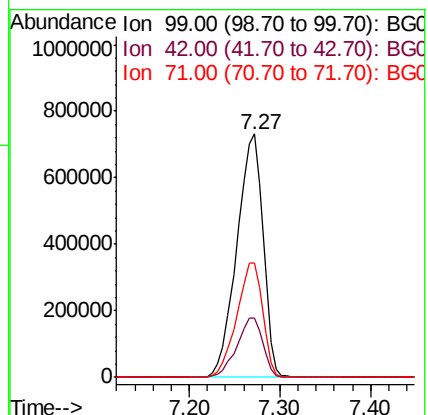
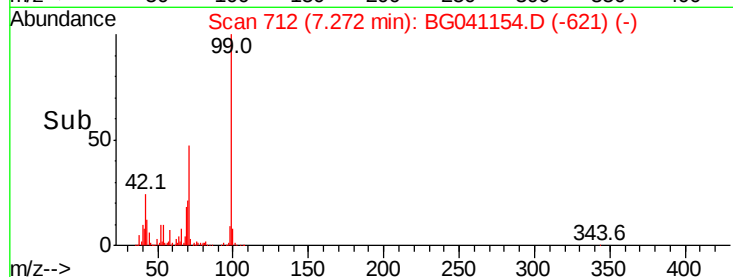
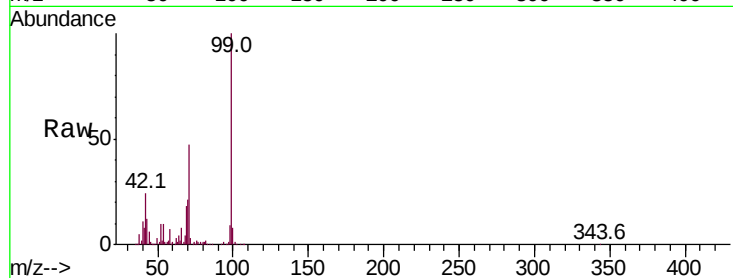
Tot Ion: 99 Resp: 1475752

Ion Ratio Lower Upper

99 100

42 24.5 17.9 26.9

71 47.2 35.4 53.0



#8

2-Chlorophenol

Concen: 9.157 ng

RT: 7.67 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

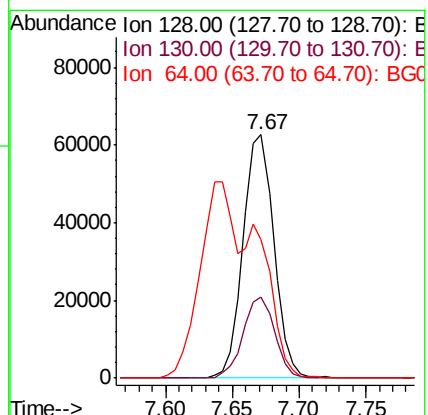
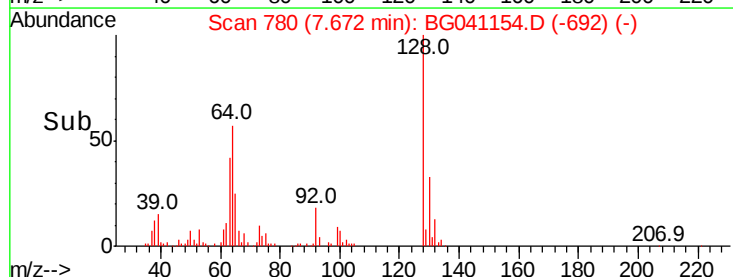
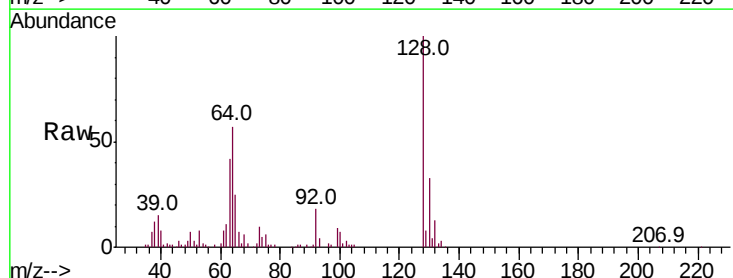
Tgt Ion: 128 Resp: 100211

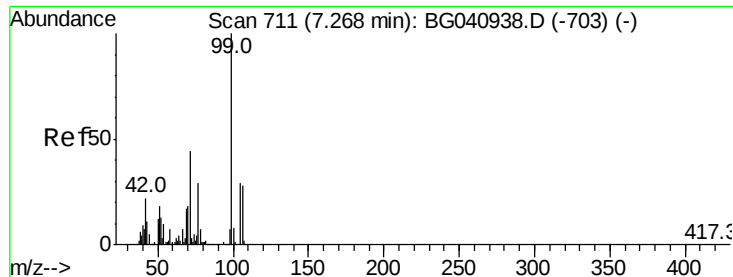
Ion Ratio Lower Upper

128 100

130 33.3 16.6 56.6

64 57.2 37.8 77.8





#9

Benzaldehyde

Concen: 4.046 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

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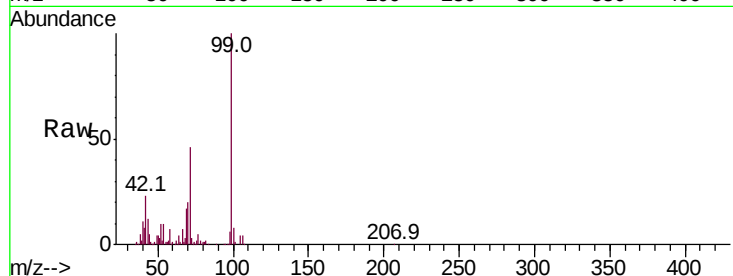
Tot Ion: 77 Resp: 34219

Ion Ratio Lower Upper

77 100

105 85.9 78.9 118.9

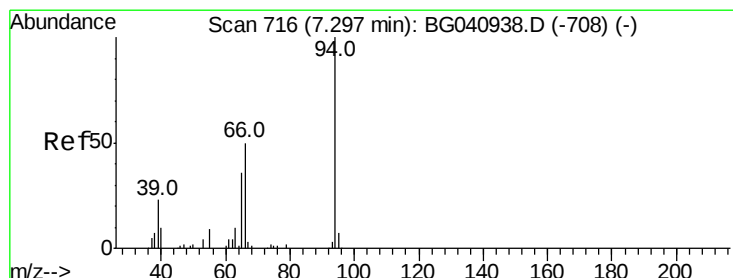
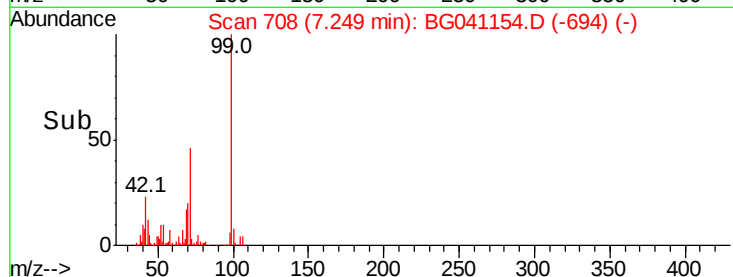
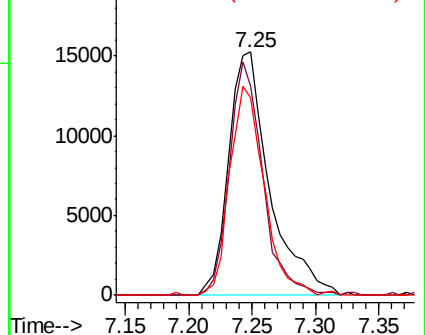
106 81.1 76.7 116.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 8.885 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

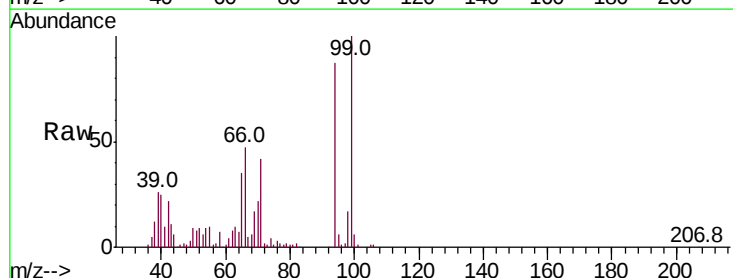
Tgt Ion: 94 Resp: 135053

Ion Ratio Lower Upper

94 100

65 40.2 17.0 57.0

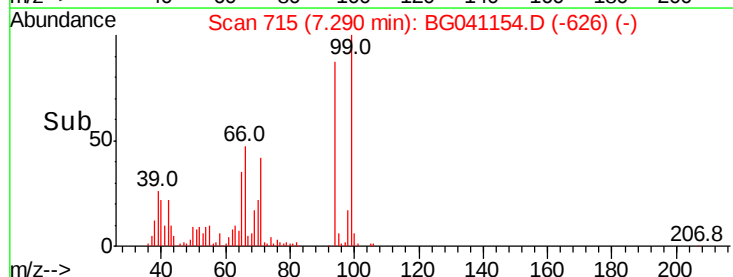
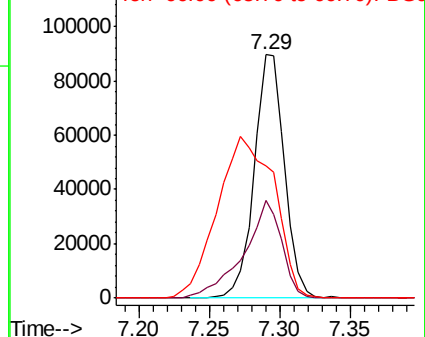
66 54.5 32.4 72.4

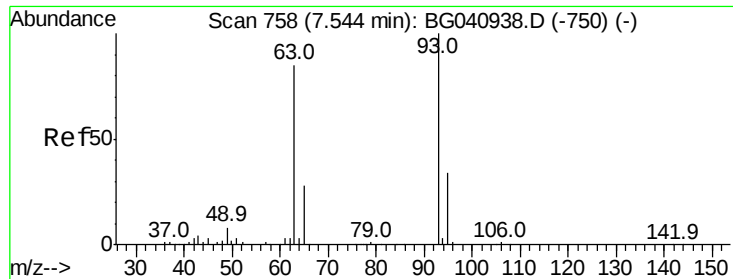


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 8.424 ng

RT: 7.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

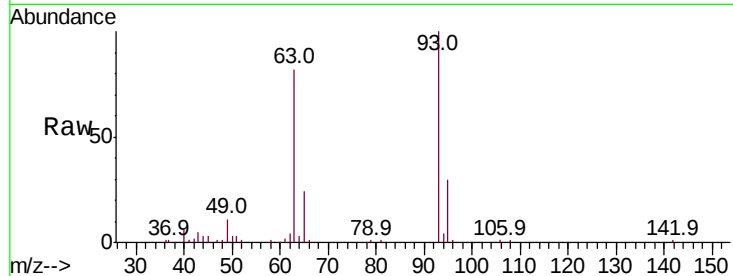
Tot Ion: 93 Resp: 92891

Ion Ratio Lower Upper

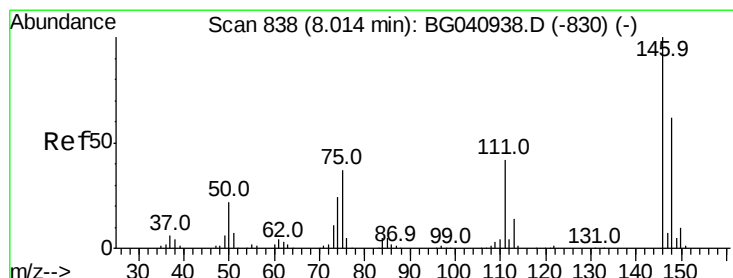
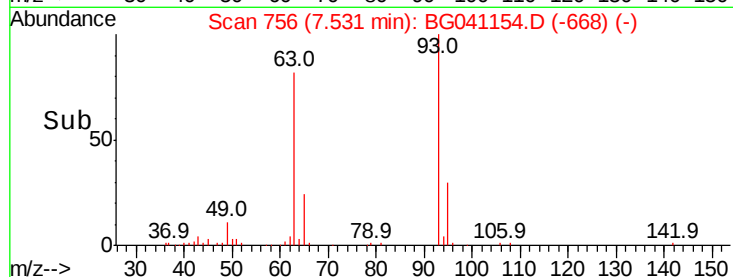
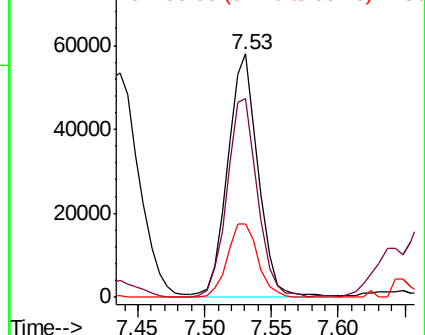
93 100

63 81.8 64.5 104.5

95 30.2 13.3 53.3



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: 8.091 ng

RT: 7.99 min Scan# 834

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

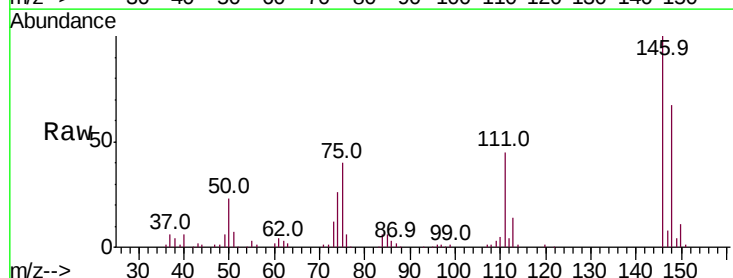
Tgt Ion: 146 Resp: 105749

Ion Ratio Lower Upper

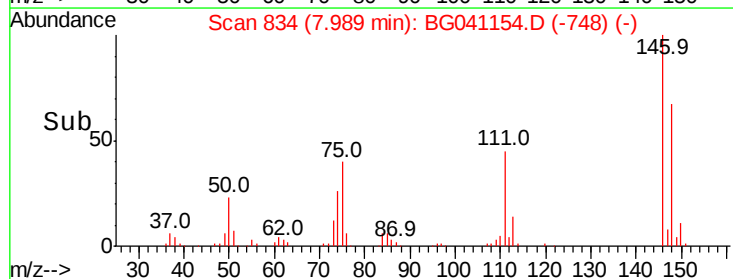
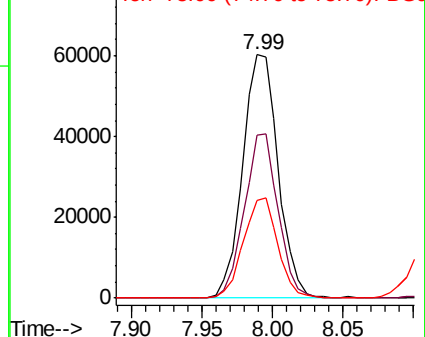
146 100

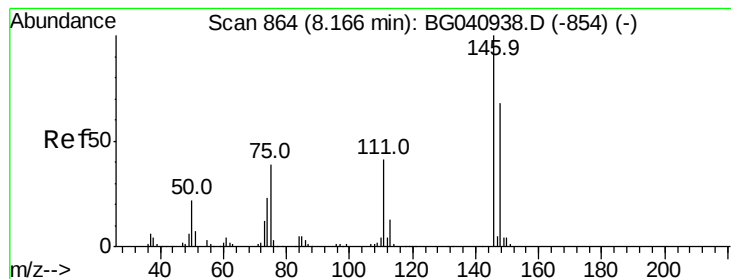
148 67.1 49.2 73.8

75 40.3 29.4 44.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 8.356 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

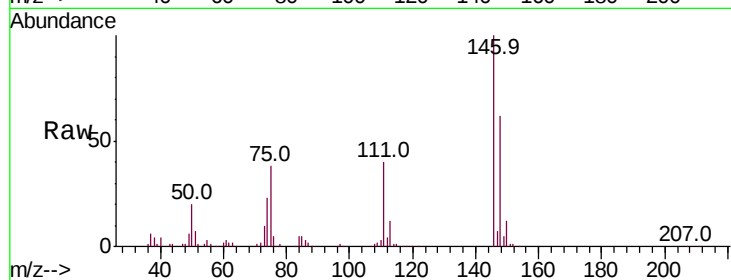
Tot Ion:146 Resp: 110550

Ion Ratio Lower Upper

146 100

148 62.0 54.2 81.4

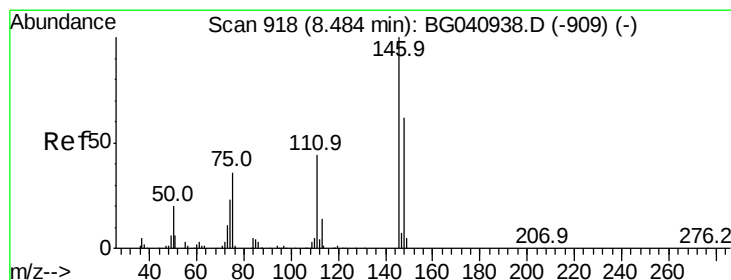
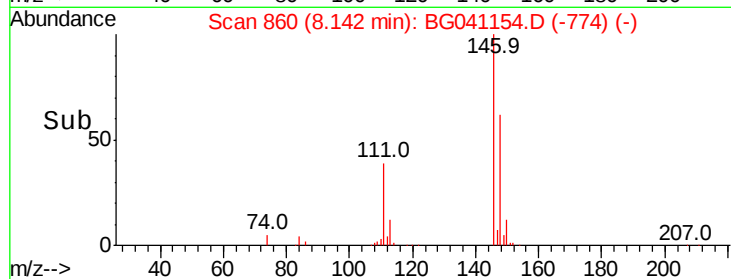
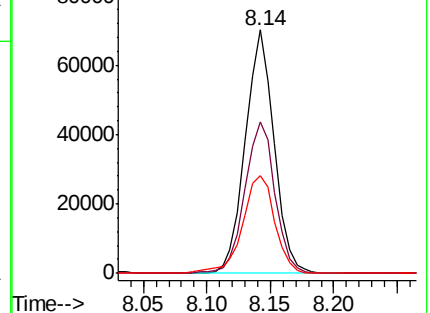
111 39.9 32.9 49.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 8.095 ng

RT: 8.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

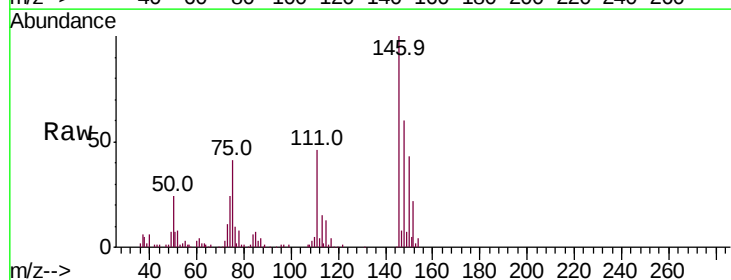
Tgt Ion:146 Resp: 103981

Ion Ratio Lower Upper

146 100

148 59.9 49.8 74.6

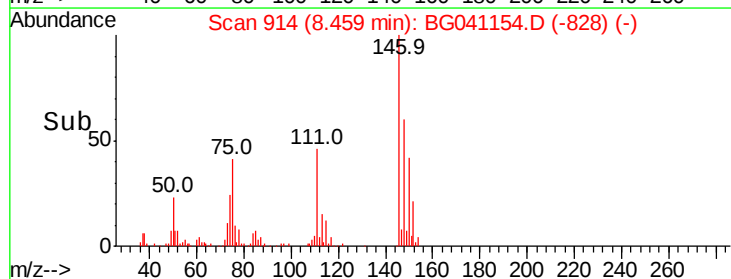
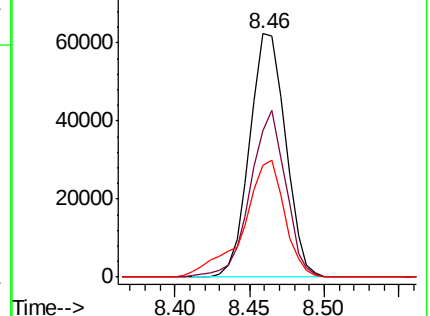
111 45.7 35.0 52.4

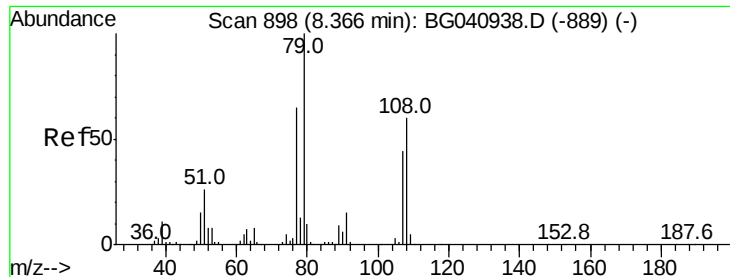


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 8.634 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

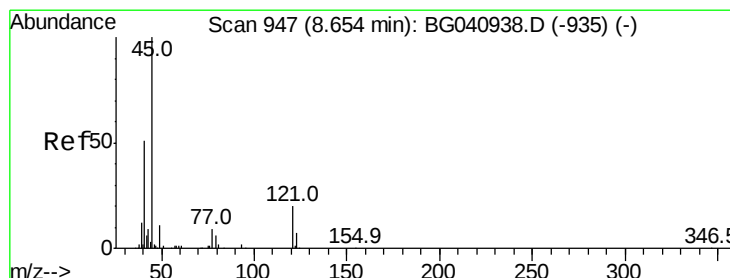
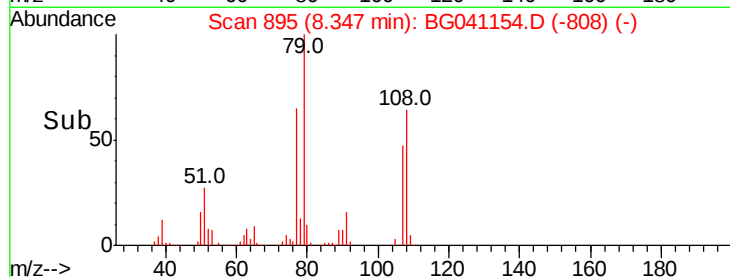
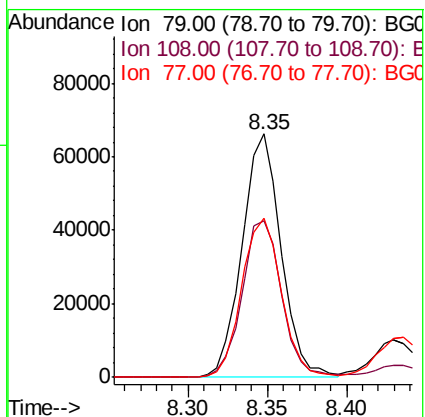
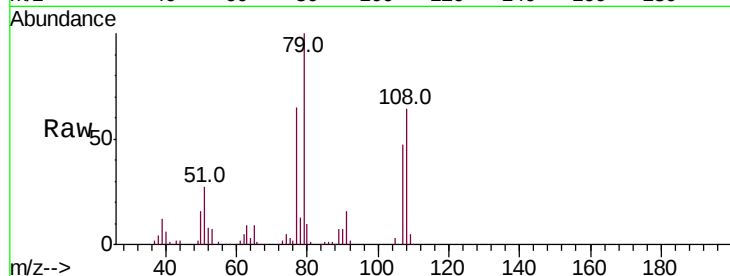
Tot Ion: 79 Resp: 113225

Ion Ratio Lower Upper

79 100

108 64.2 48.3 72.5

77 65.2 52.3 78.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.053 ng

RT: 8.62 min Scan# 942

Delta R.T. -0.03 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

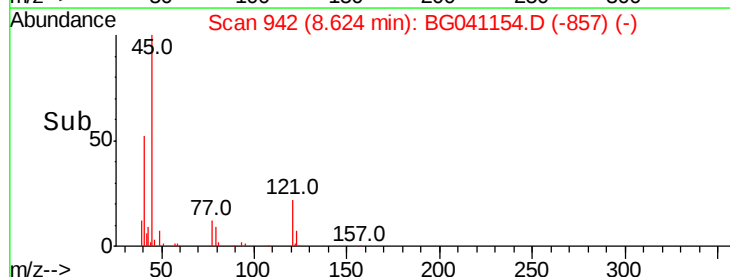
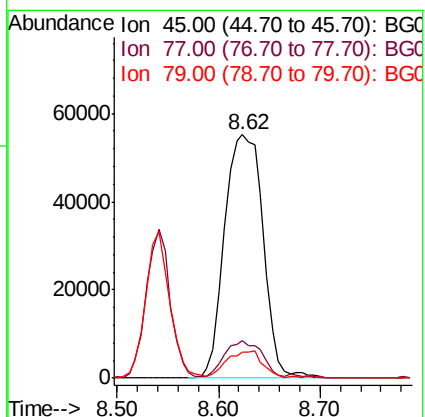
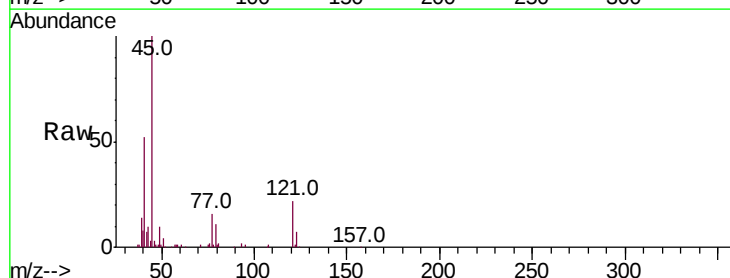
Tgt Ion: 45 Resp: 145106

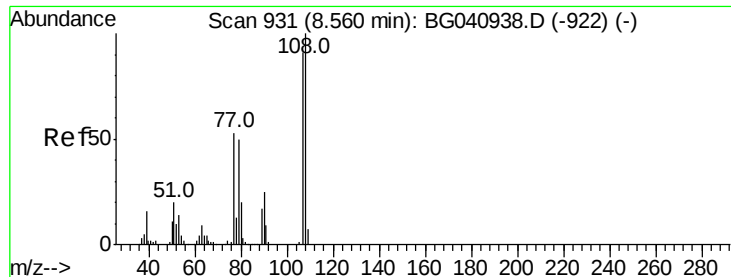
Ion Ratio Lower Upper

45 100

77 15.5 0.0 33.7

79 10.9 0.0 30.2

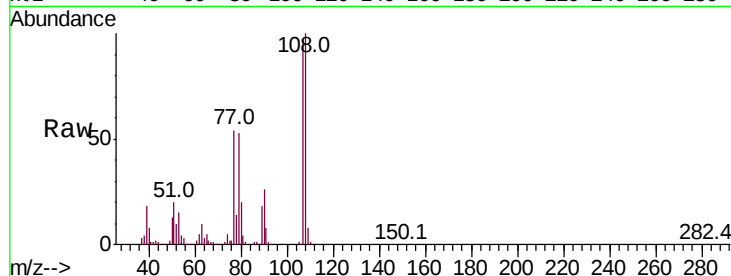




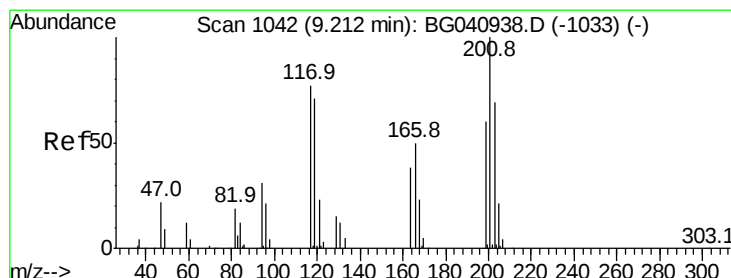
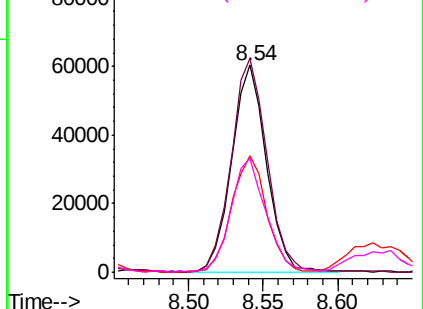
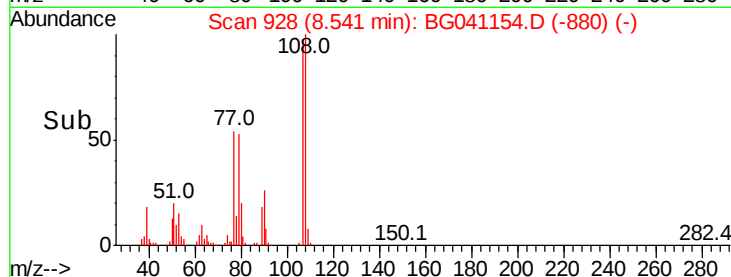
#17
2-Methylphenol
Concen: 8.906 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Instrument :
BNA_G
ClientSampleId :
SOILBS03

Tot Ion:	107	Resp:	98010
Ion	Ratio	Lower	Upper
107	100		
108	103.3	87.7	131.5
77	56.1	46.6	70.0
79	55.2	44.6	66.8

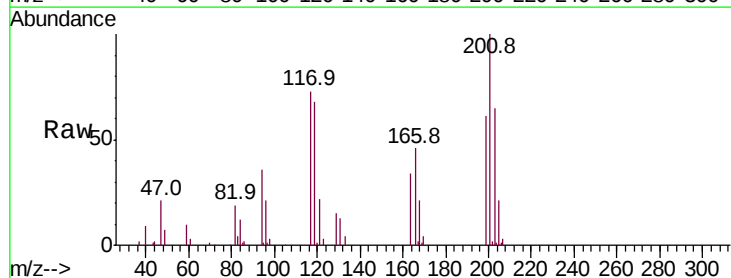


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

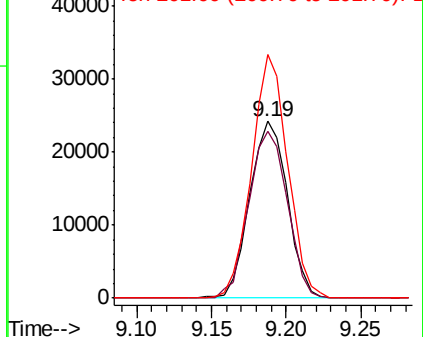
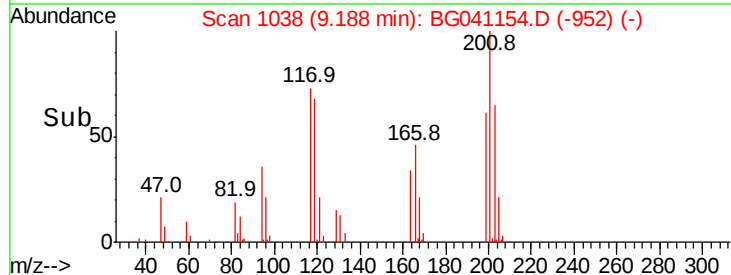


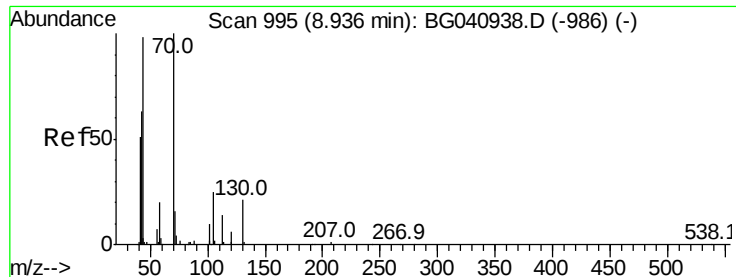
#18
Hexachloroethane
Concen: 8.253 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion:	117	Resp:	42082
Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.0	112.6
201	137.7	103.5	155.3



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: 8.257 ng

RT: 8.91 min Scan# 991

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

Tot Ion: 70 Resp: 90075

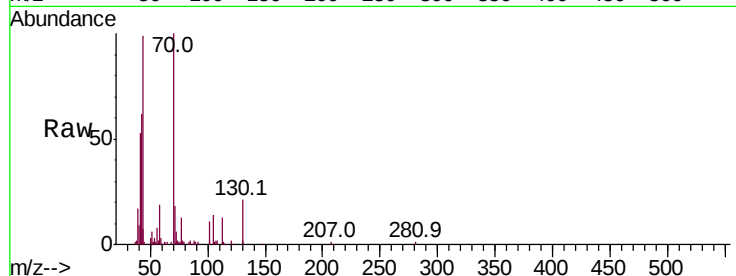
Ion Ratio Lower Upper

70 100

42 62.4 51.5 77.3

101 11.2 8.1 12.1

130 20.9 16.6 24.8

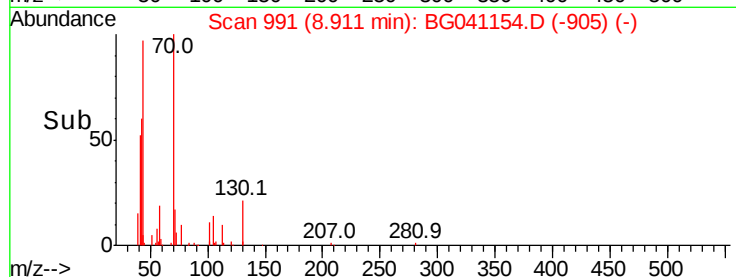
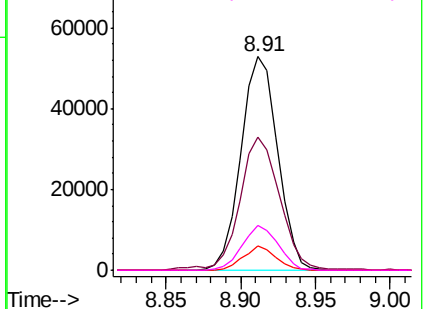


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 8.739 ng

RT: 8.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Tgt Ion:107 Resp: 133218

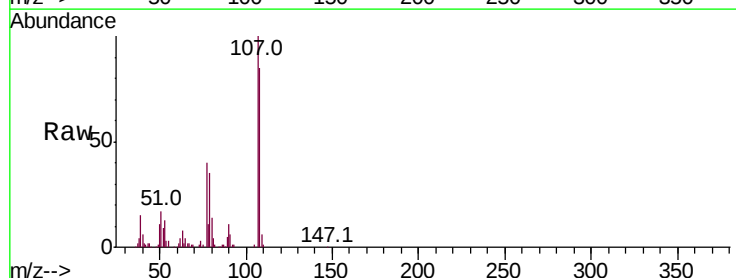
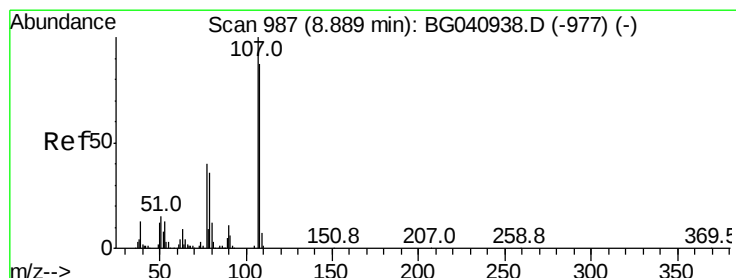
Ion Ratio Lower Upper

107 100

108 85.4 66.8 106.8

77 39.8 20.5 60.5

79 35.3 15.8 55.8

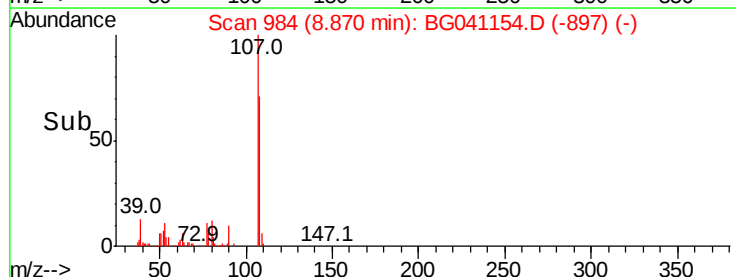
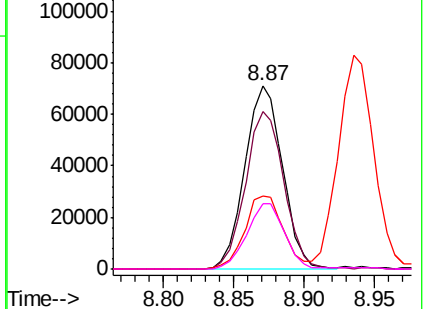


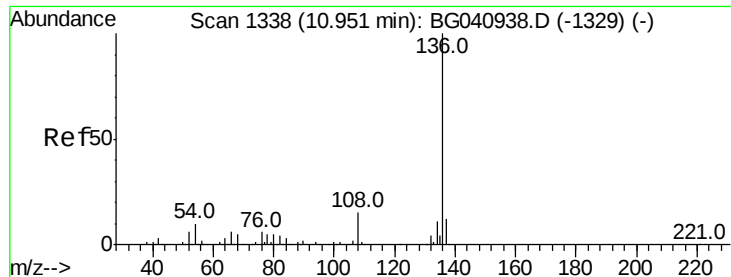
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

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: 10.93 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

Tot Ion:136 Resp: 686855

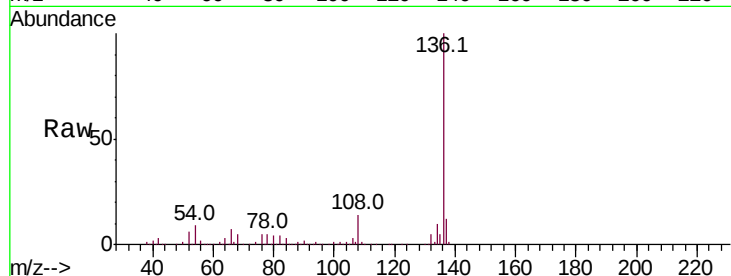
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 8.7 7.6 11.4

68 4.9 3.9 5.9



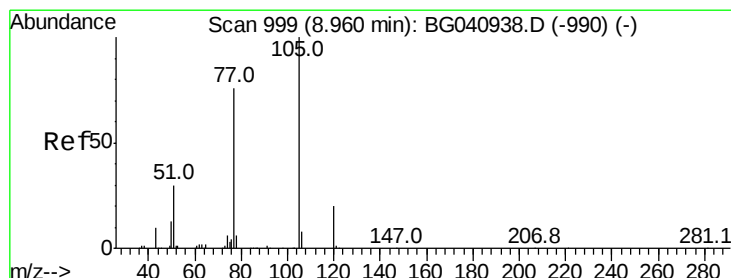
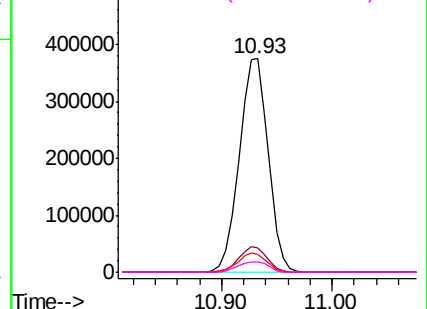
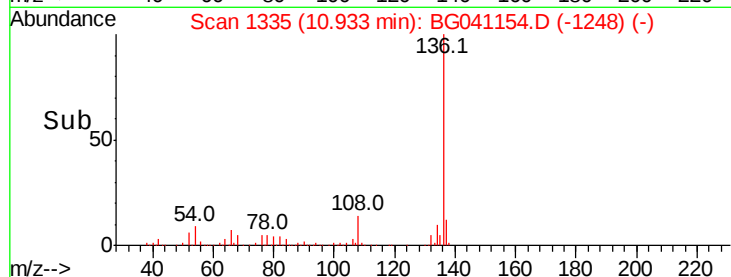
Abundance

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: 8.960 ng

RT: 8.93 min Scan# 995

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Tgt Ion:105 Resp: 172631

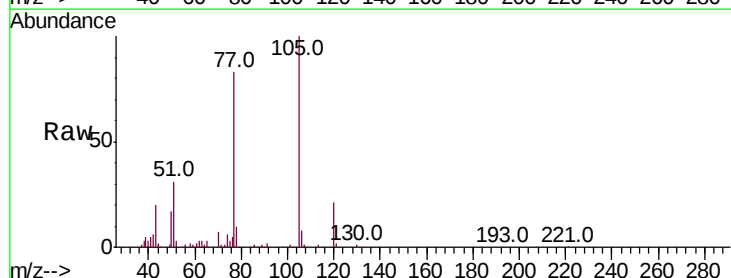
Ion Ratio Lower Upper

105 100

71 1.2 0.4 0.6#

51 30.8 27.0 40.6

120 21.0 16.2 24.4



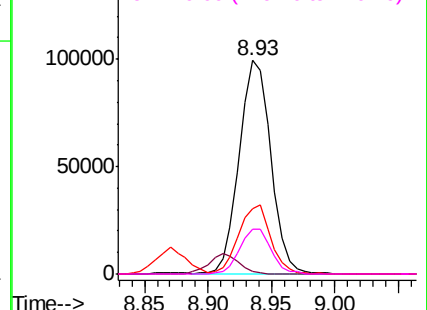
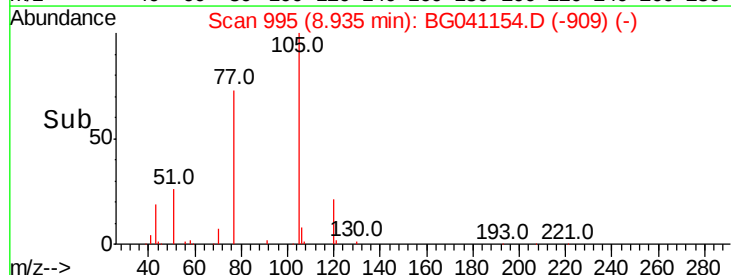
Abundance

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

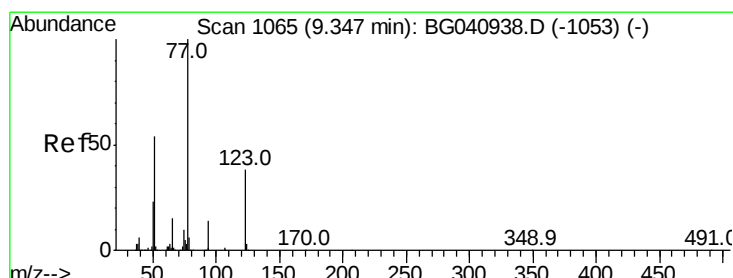
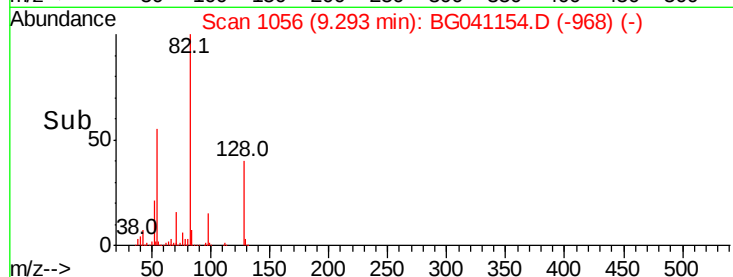
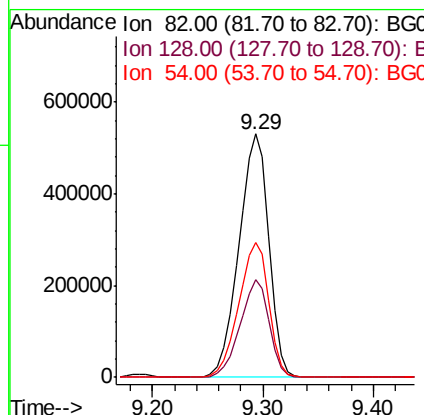
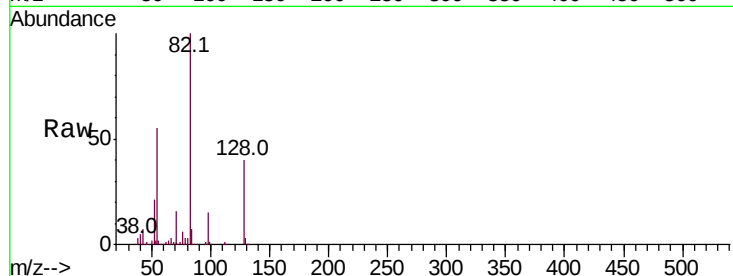




#23
 Nitrobenzene-d5
 Concen: 65.305 ng
 RT: 9.29 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

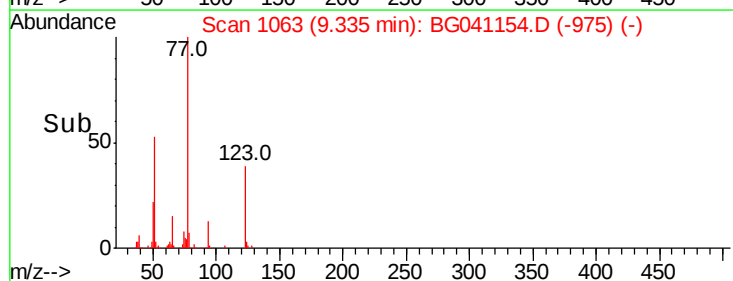
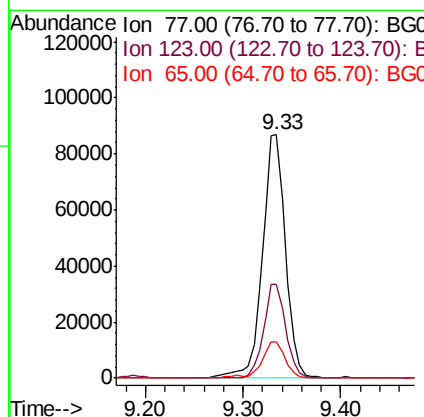
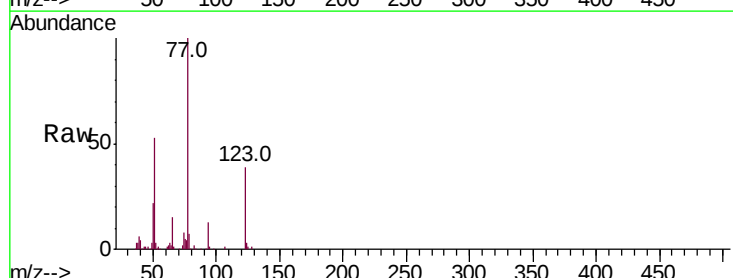
Instrument :
 BNA_G
 ClientSampleId :
 SOILBS03

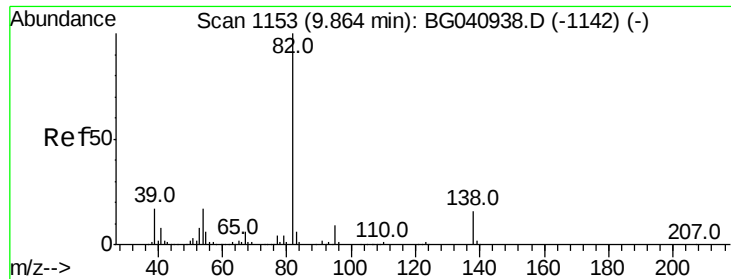
Tot Ion: 82 Resp: 1010387
 Ion Ratio Lower Upper
 82 100
 128 40.2 30.5 45.7
 54 55.3 44.6 66.8



#24
 Nitrobenzene
 Concen: 9.196 ng
 RT: 9.33 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

Tgt Ion: 77 Resp: 144993
 Ion Ratio Lower Upper
 77 100
 123 38.8 30.6 46.0
 65 14.8 12.3 18.5





#25

Isophorone

Concen: 8.801 ng

RT: 9.84 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

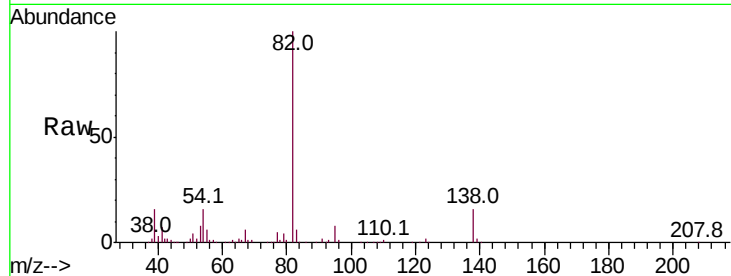
Tot Ion: 82 Resp: 259132

Ion Ratio Lower Upper

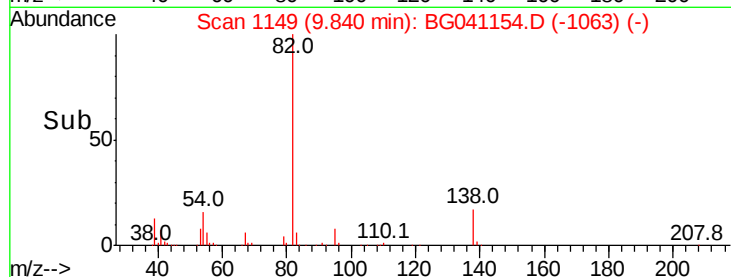
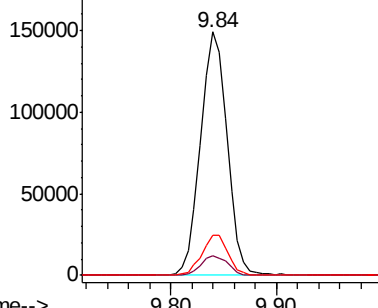
82 100

95 8.2 7.0 10.4

138 16.3 12.6 19.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
 200000 Ion 95.00 (94.70 to 95.70): BGC
 Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 9.755 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

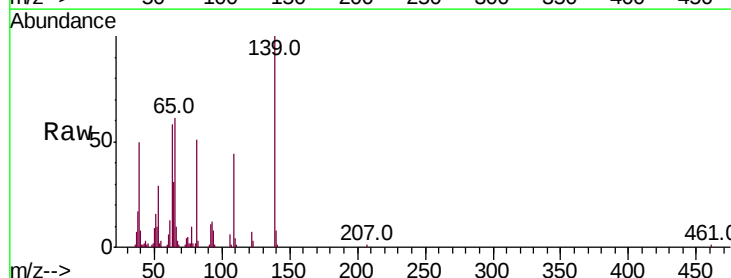
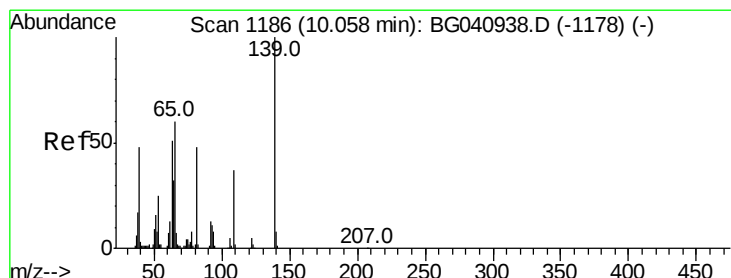
Tgt Ion: 139 Resp: 63407

Ion Ratio Lower Upper

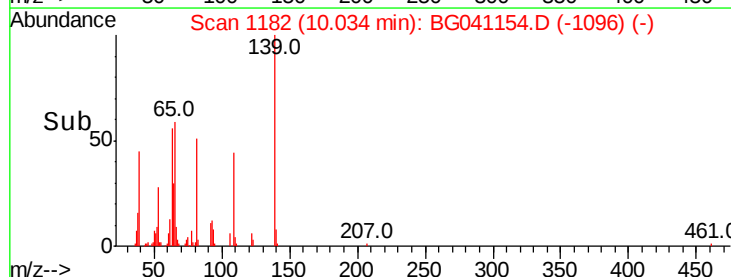
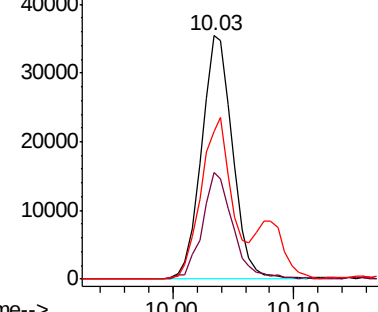
139 100

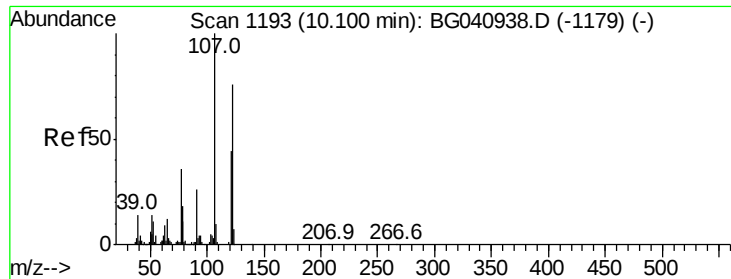
109 43.8 29.8 44.6

65 60.6 47.8 71.6



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





#27

2,4-Dimethylphenol

Concen: 10.099 ng

RT: 10.08 min Scan# 1190

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

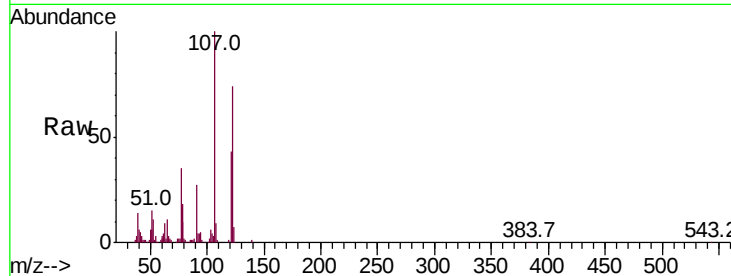
Tot Ion:122 Resp: 108420

Ion Ratio Lower Upper

122 100

107 135.4 105.9 158.9

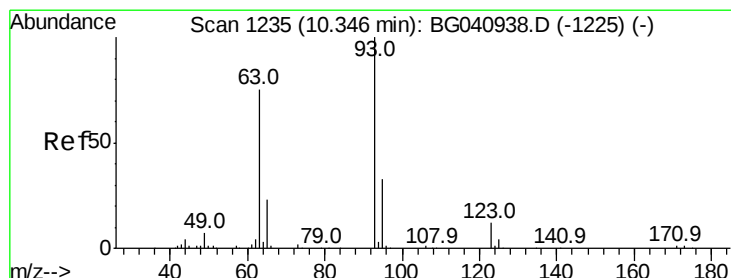
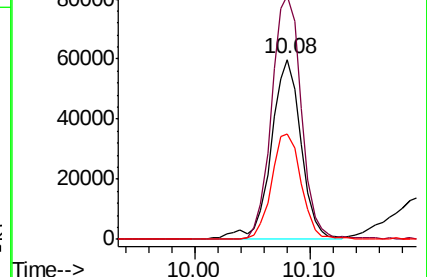
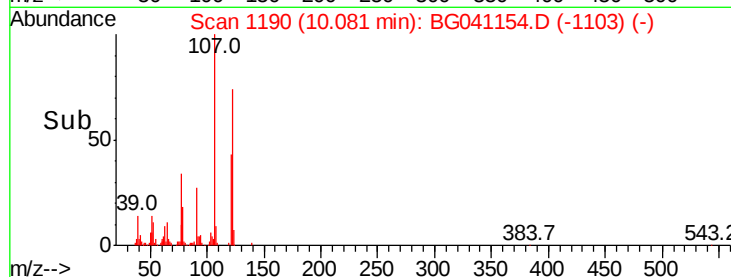
121 58.3 46.2 69.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 8.436 ng

RT: 10.32 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

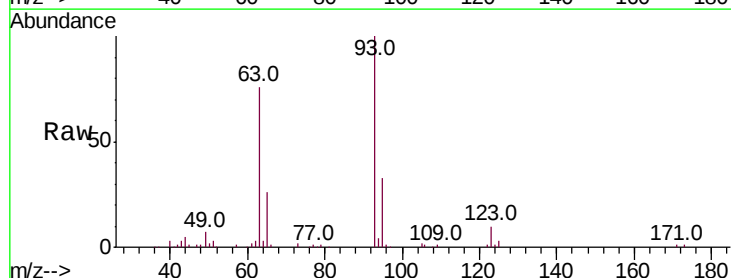
Tgt Ion: 93 Resp: 134069

Ion Ratio Lower Upper

93 100

95 33.4 26.2 39.2

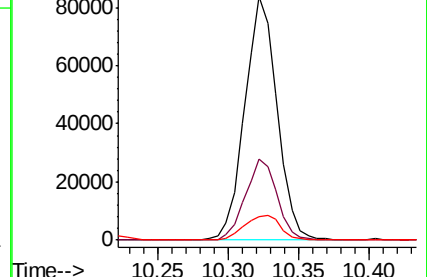
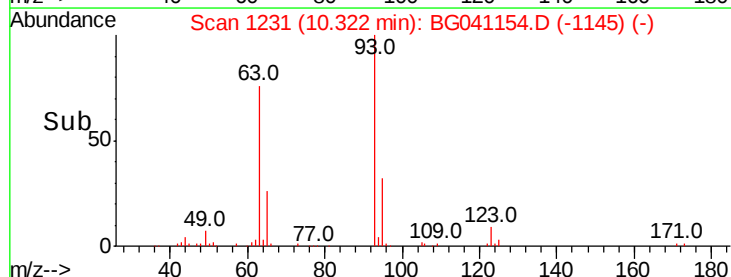
123 9.8 9.5 14.3

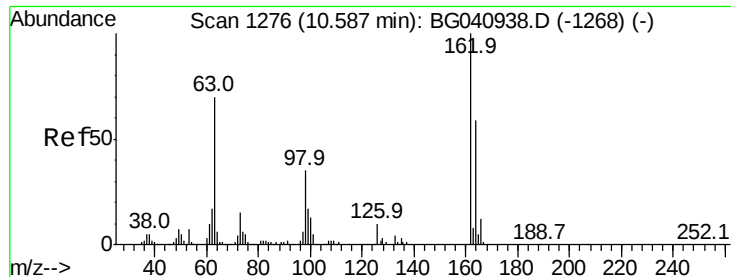


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

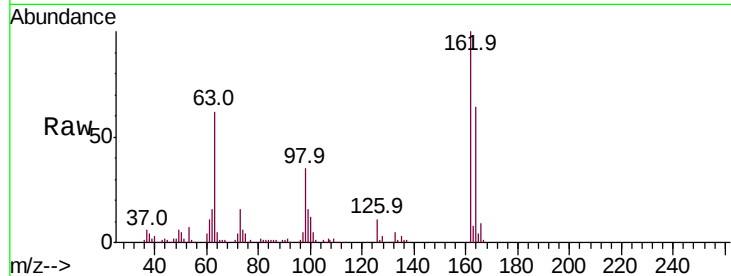




#29
2,4-Dichlorophenol
Concen: 9.111 ng
RT: 10.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Instrument :
BNA_G
ClientSampleId :
SOILBS03

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	39.4	79.4
98	35.1	15.3	55.3

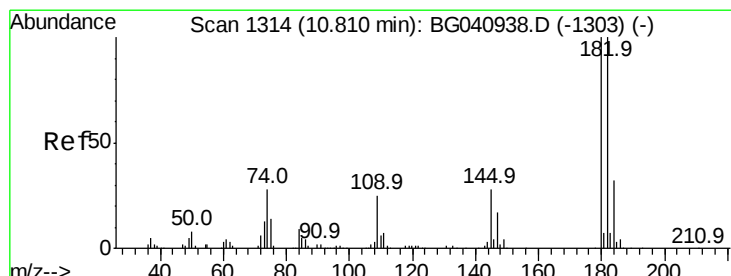
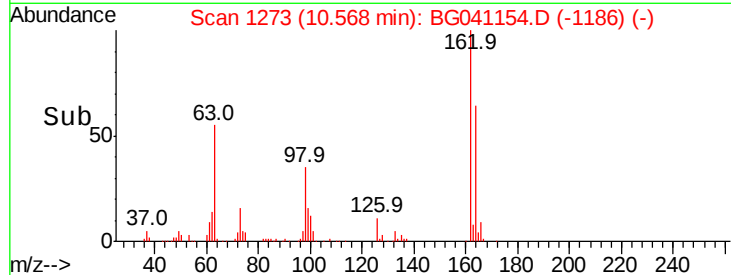
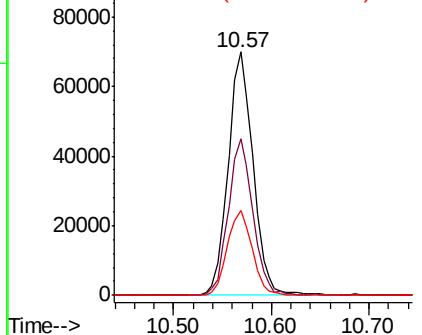


Abundance

Ion 162.00 (161.70 to 162.70): E

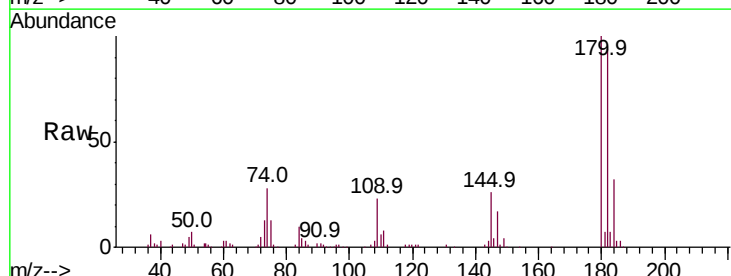
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30
1,2,4-Trichlorobenzene
Concen: 8.857 ng
RT: 10.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	79.7	119.5
145	25.8	22.6	34.0

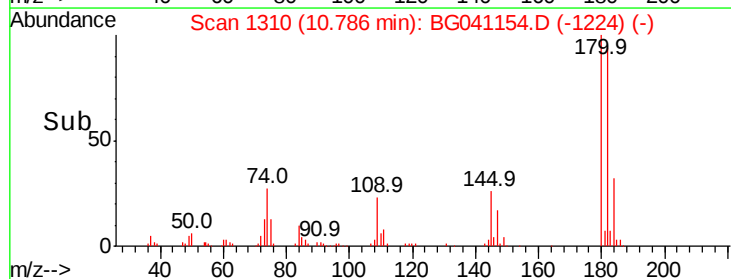
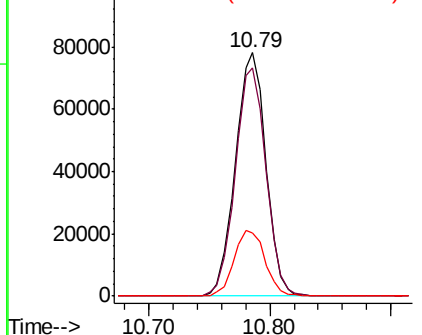


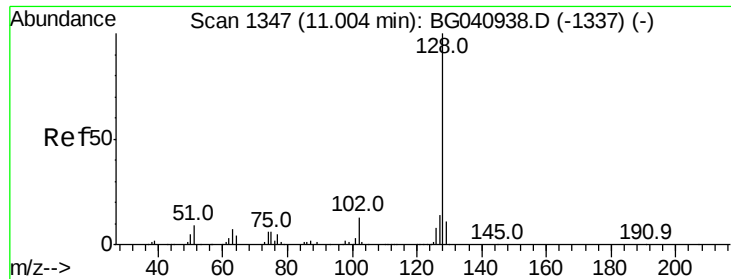
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

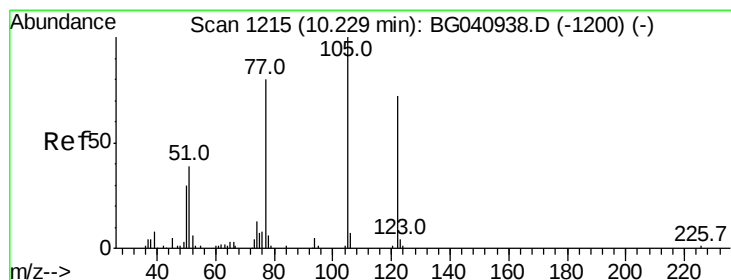
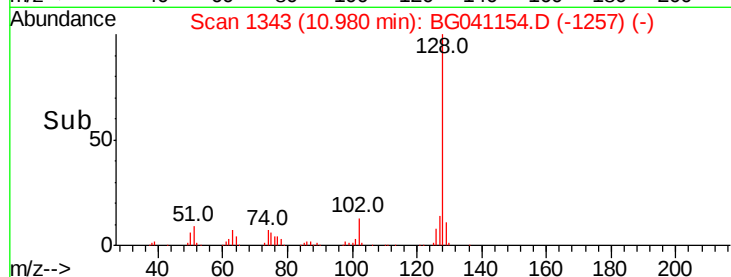
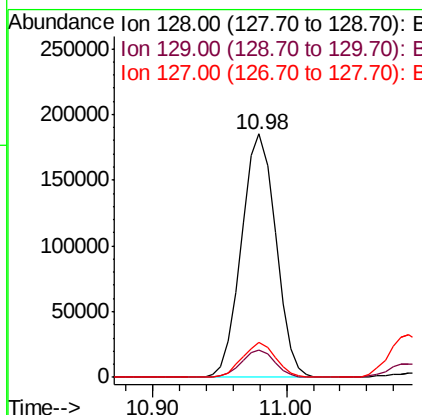
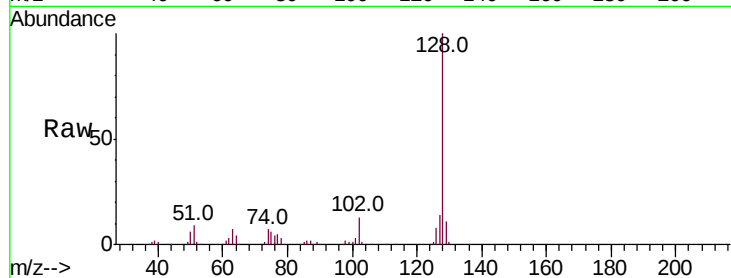




#31
Naphthalene
Concen: 8.924 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

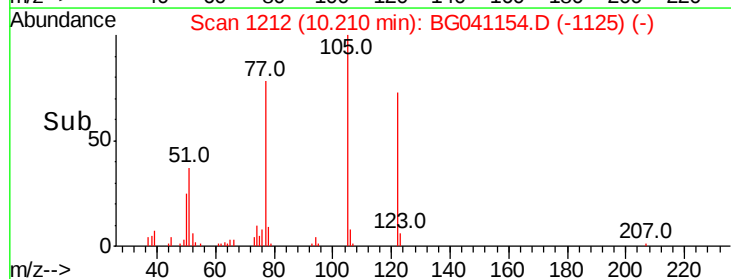
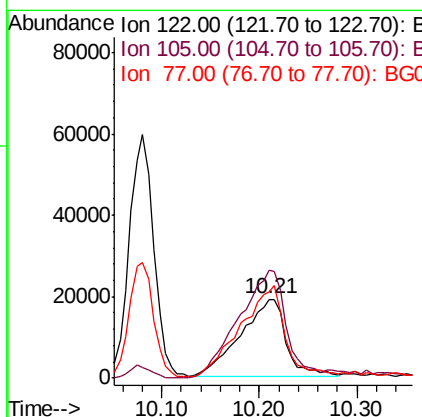
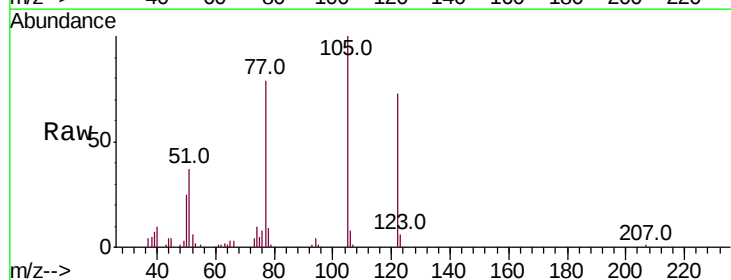
Instrument :
BNA_G
ClientSampleId :
SOILBS03

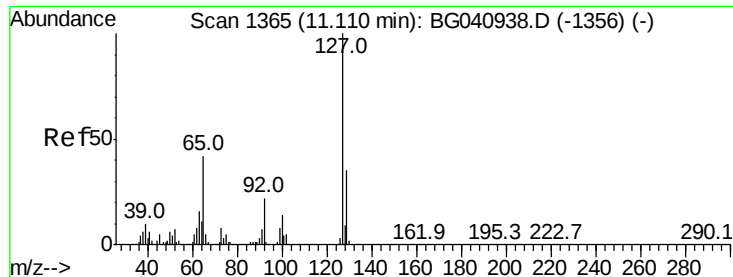
Tot Ion:128 Resp: 329101
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 14.4 11.4 17.2



#32
Benzoic acid
Concen: 14.285 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion:122 Resp: 61854
Ion Ratio Lower Upper
122 100
105 137.2 114.8 154.8
77 108.4 89.9 129.9

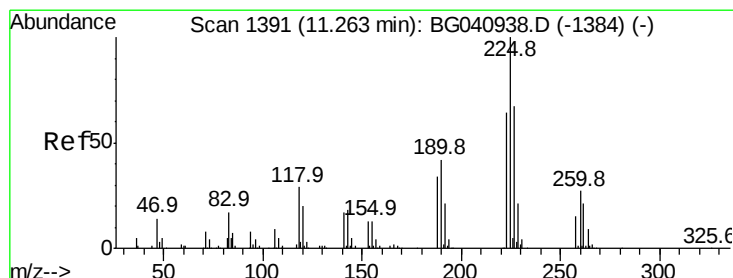
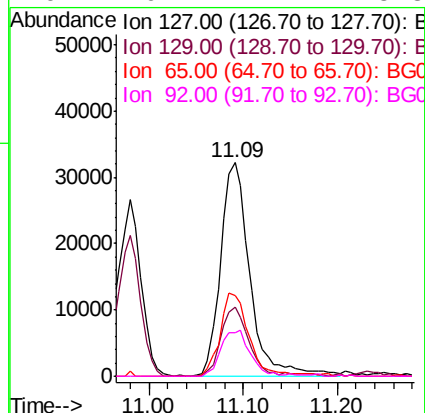
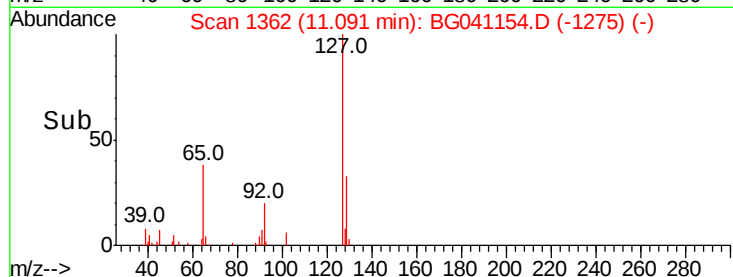
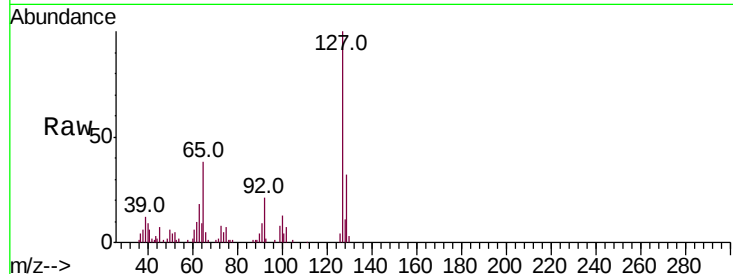




#33
4-Chloroaniline
Concen: 4.117 ng
RT: 11.09 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

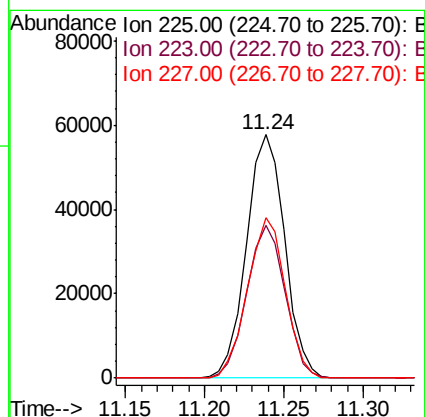
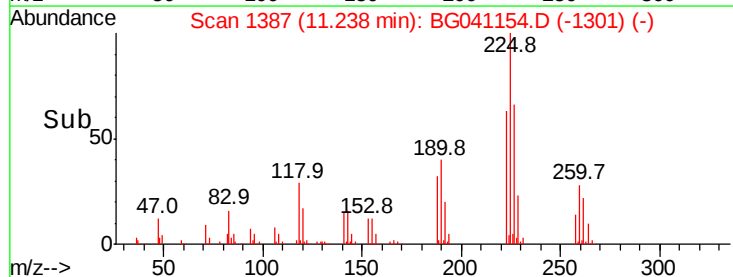
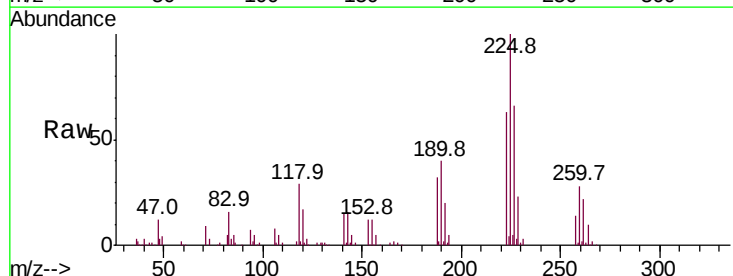
Instrument :
BNA_G
ClientSampleId :
SOILBS03

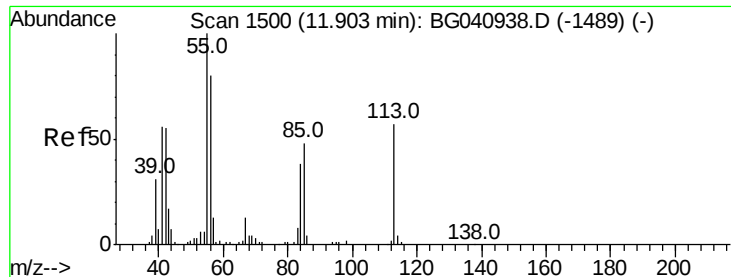
Tot Ion:127	Resp:	70449
Ion	Ratio	Lower Upper
127	100	
129	32.2	27.7 41.5
65	38.0	33.2 49.8
92	20.7	17.2 25.8



#34
Hexachlorobutadiene
Concen: 8.165 ng
RT: 11.24 min Scan# 1387
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion:225	Resp:	96885
Ion	Ratio	Lower Upper
225	100	
223	62.7	48.8 73.2
227	65.9	51.4 77.0





#35

Caprolactam

Concen: 8.551 ng

RT: 11.88 min Scan# 1497

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

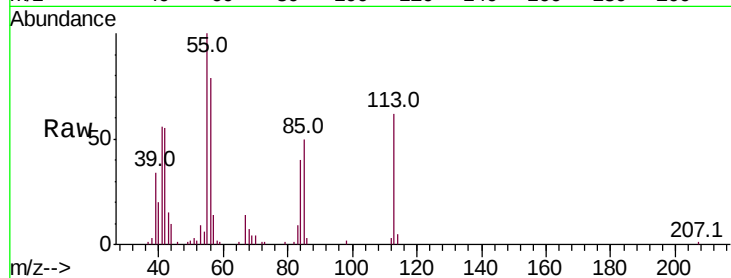
Tot Ion:113 Resp: 38496

Ion Ratio Lower Upper

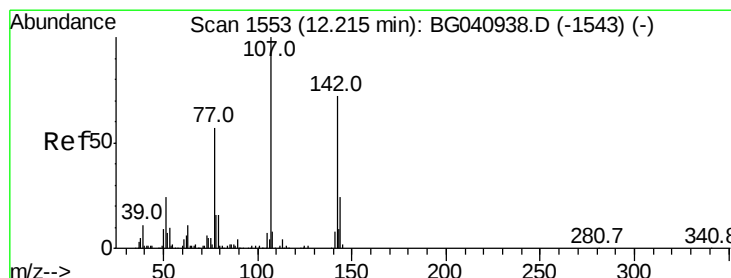
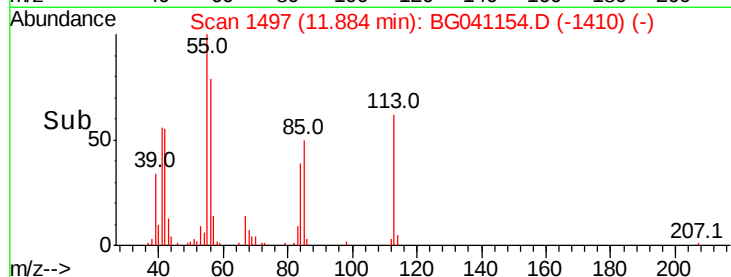
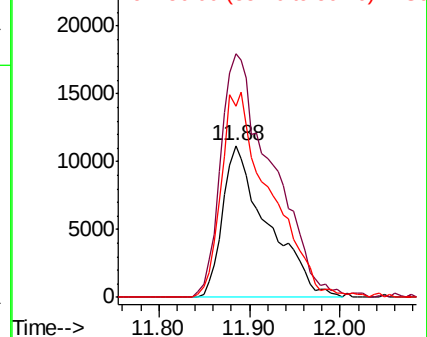
113 100

55 160.2 155.9 195.9

56 125.8 119.9 159.9



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



#36

4-Chloro-3-methylphenol

Concen: 8.718 ng

RT: 12.19 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

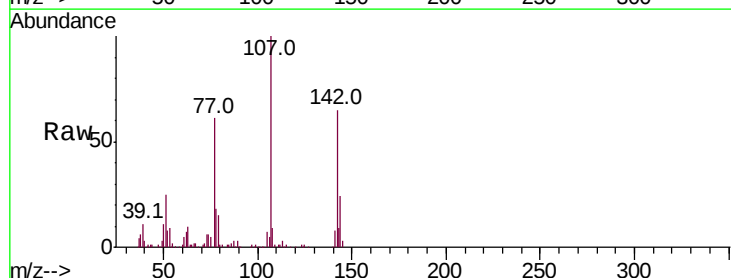
Tgt Ion:107 Resp: 135730

Ion Ratio Lower Upper

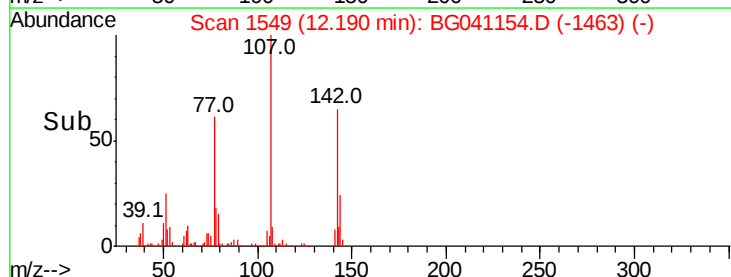
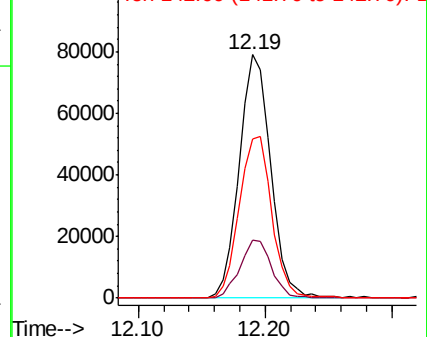
107 100

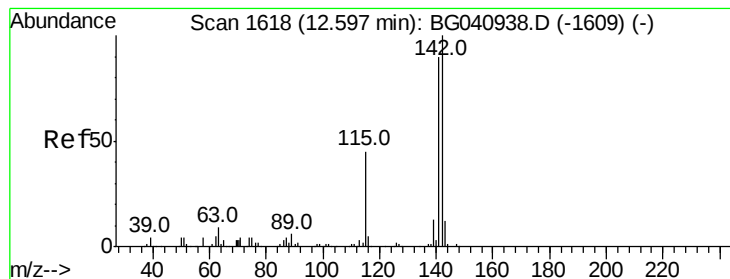
144 23.6 19.4 29.0

142 65.5 57.3 85.9



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 9.054 ng

RT: 12.57 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

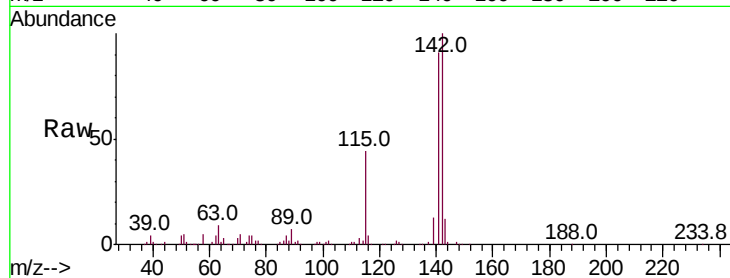
Tot Ion:142 Resp: 257149

Ion Ratio Lower Upper

142 100

141 90.8 72.2 108.4

115 43.6 36.2 54.4

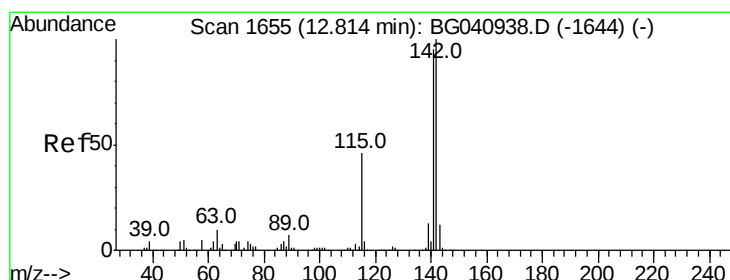
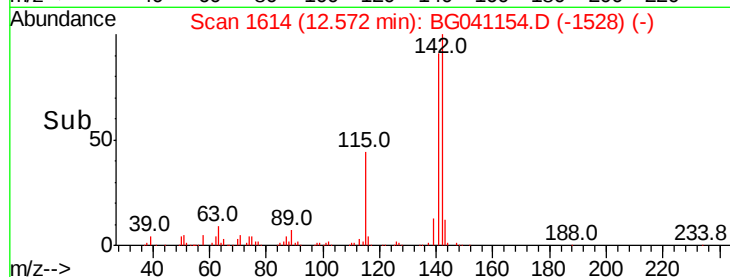
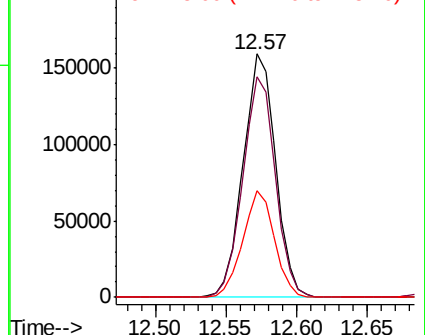


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 9.184 ng m

RT: 12.79 min Scan# 1651

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

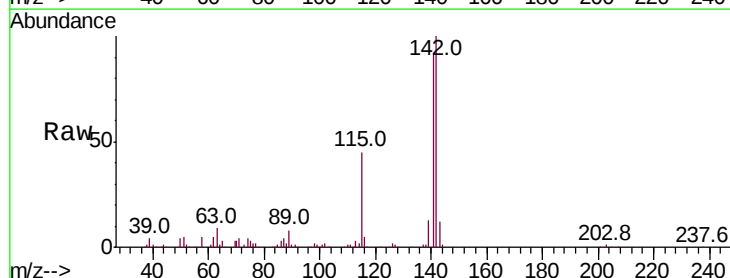
Tgt Ion:142 Resp: 245821

Ion Ratio Lower Upper

142 100

141 92.0 75.7 113.5

116 5.4 3.4 5.2#

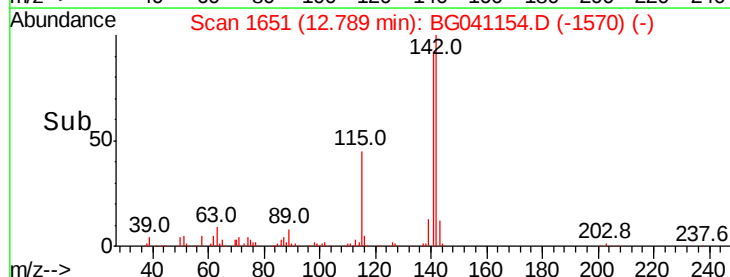
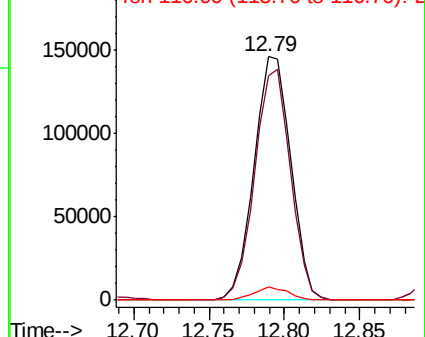


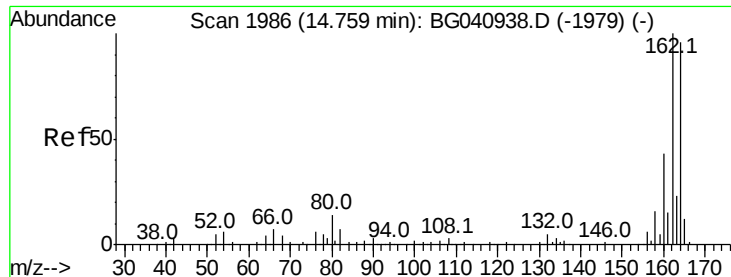
Abundance

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: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

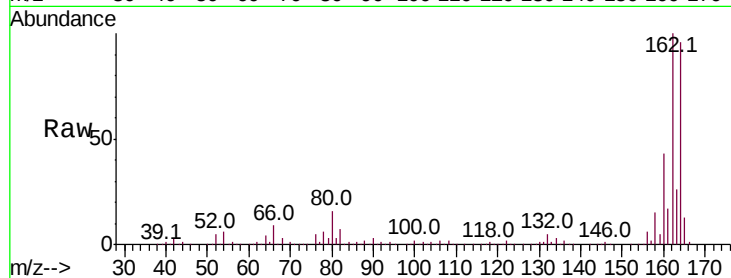
Tot Ion:164 Resp: 500978

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.4

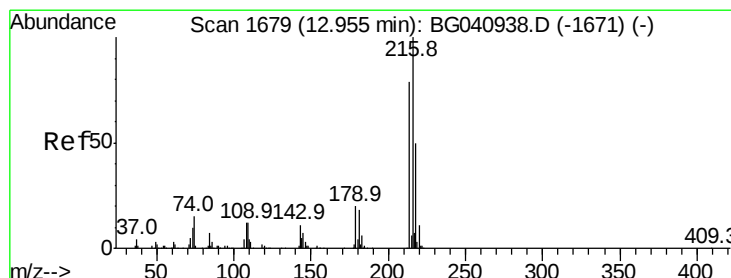
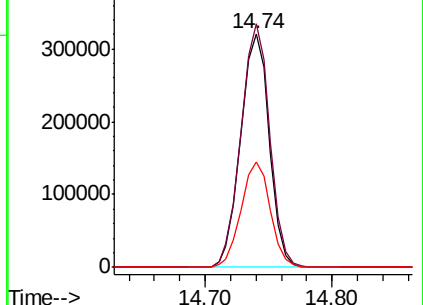
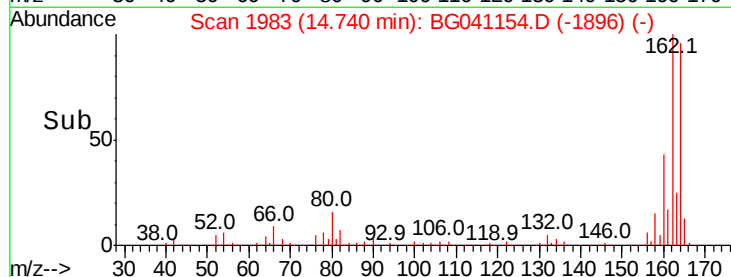
160 45.0 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.498 ng

RT: 12.94 min Scan# 1676

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Tgt Ion:216 Resp: 191775

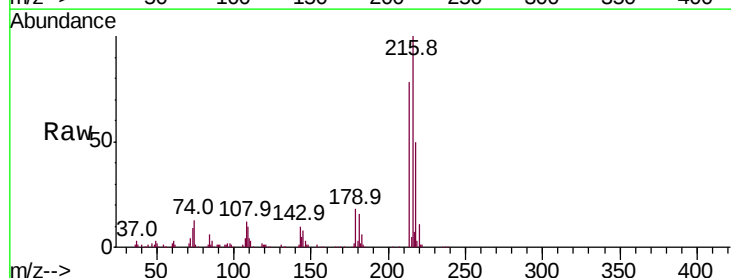
Ion Ratio Lower Upper

216 100

214 77.3 63.4 95.2

179 18.0 15.2 22.8

108 16.1 11.4 17.2

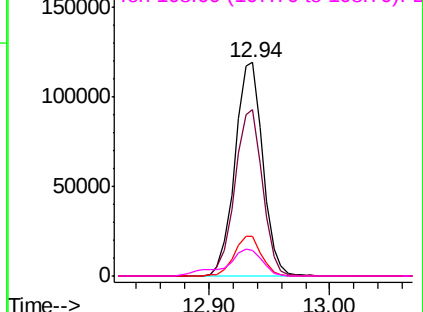
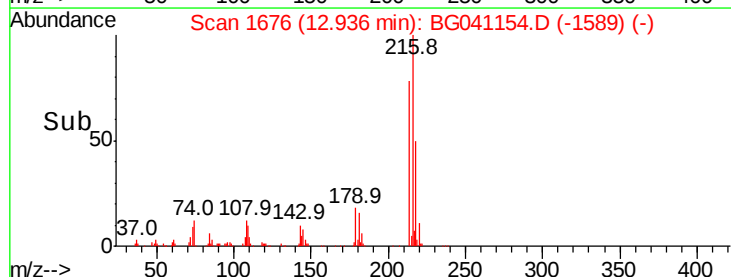


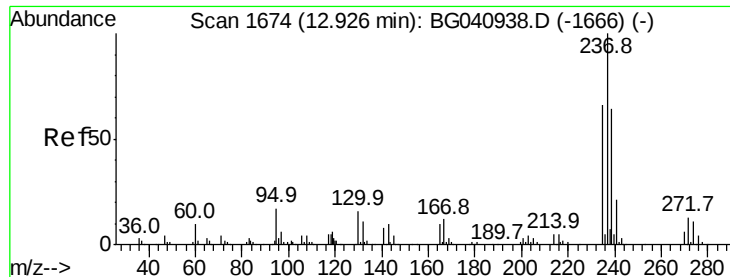
Abundance Ion 216.00 (215.70 to 216.70): E

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

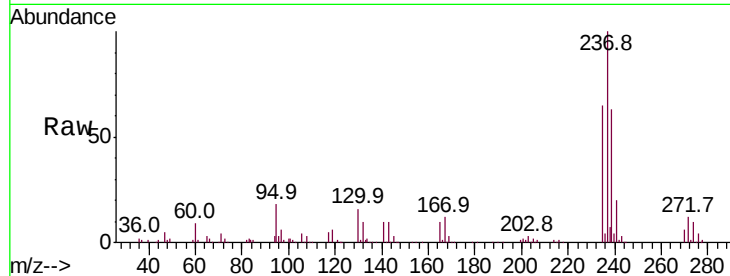




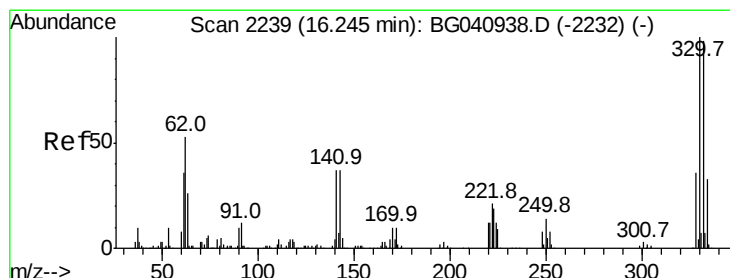
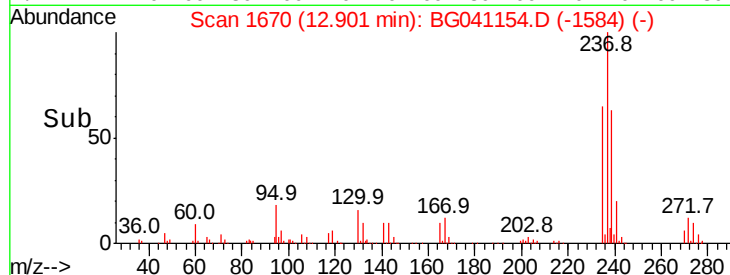
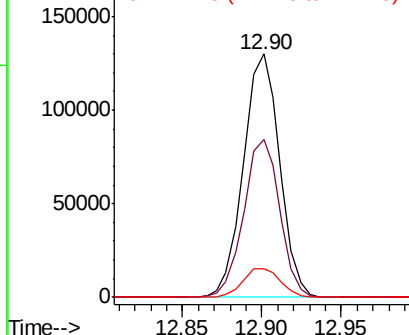
#41
Hexachlorocyclopentadiene
Concen: 25.308 ng
RT: 12.90 min Scan# 1670
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Instrument :
BNA_G
ClientSampleId :
SOILBS03

Tot Ion	Ratio	Lower	Upper
237	100		
235	64.6	45.5	85.5
272	11.9	0.0	32.9

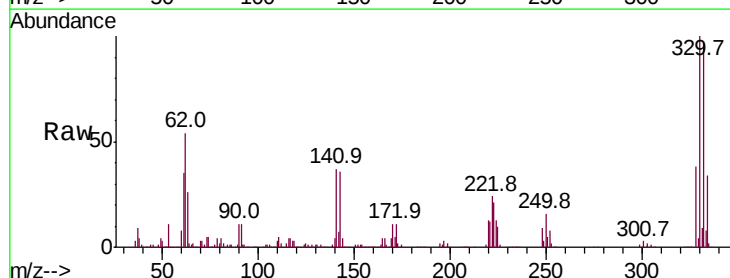


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

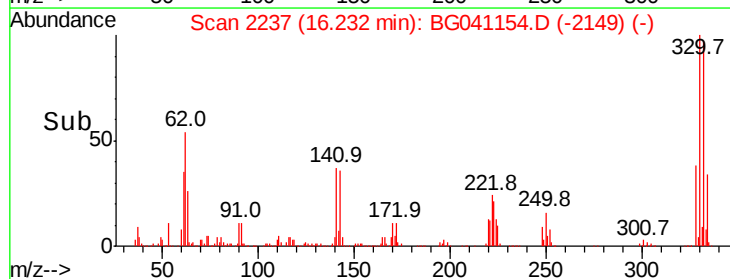
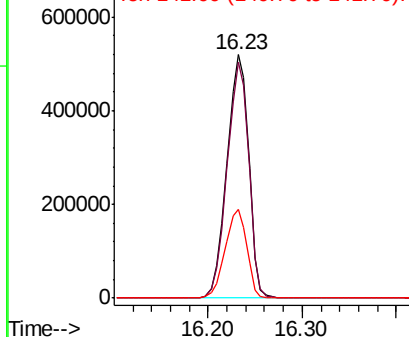


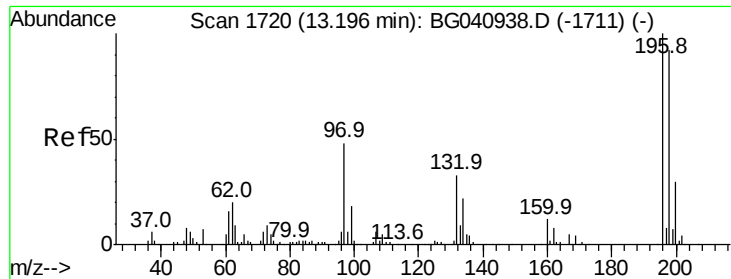
#42
2,4,6-Tribromophenol
Concen: 112.732 ng
RT: 16.23 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.5	117.7
141	36.1	28.7	43.1



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

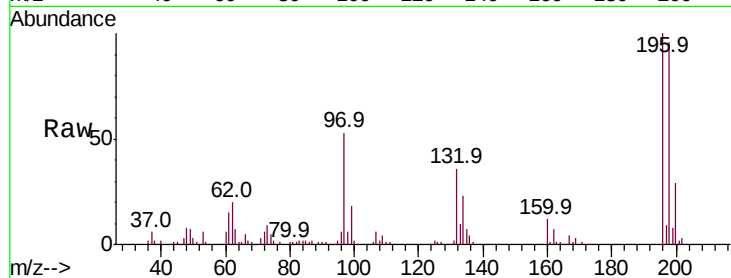




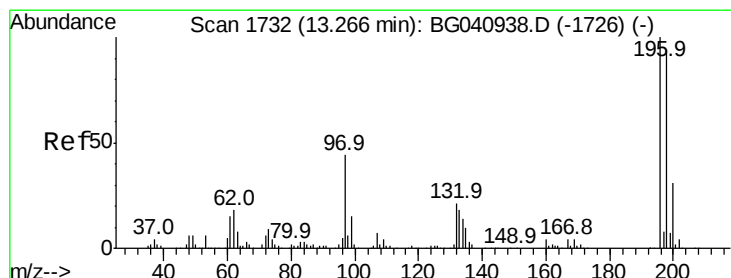
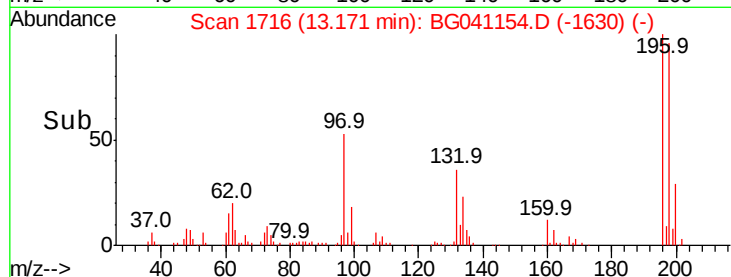
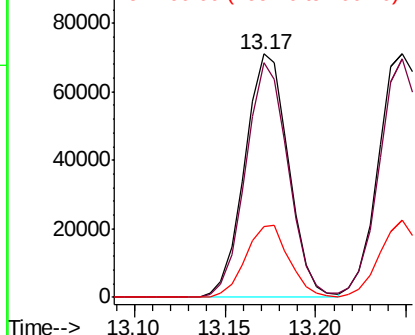
#43
 2,4,6-Trichlorophenol
 Concen: 9.122 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.02 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS03

Tot Ion:196 Resp: 119151
 Ion Ratio Lower Upper
 196 100
 198 96.4 73.8 110.6
 200 29.2 24.1 36.1



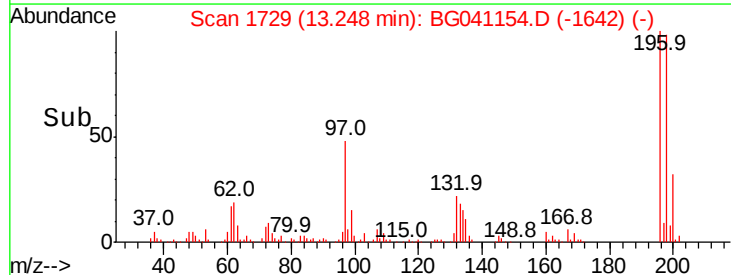
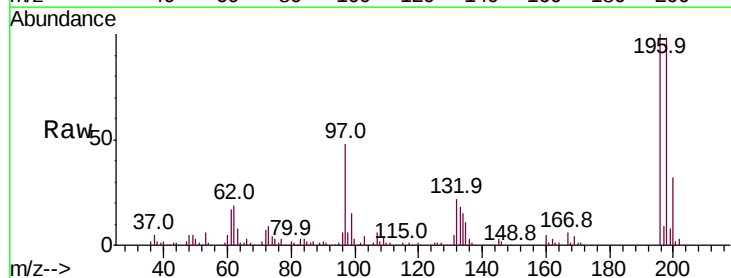
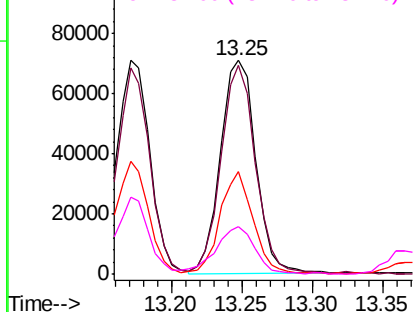
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

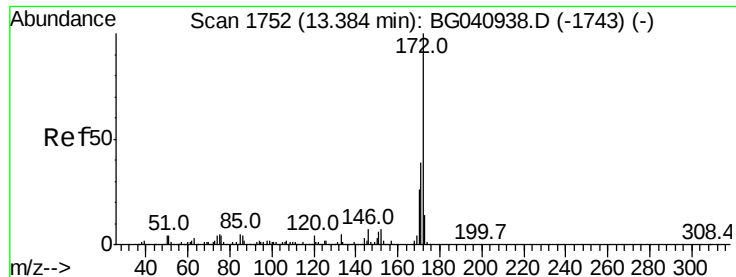


#44
 2,4,5-Trichlorophenol
 Concen: 8.924 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

Tgt Ion:196 Resp: 122936
 Ion Ratio Lower Upper
 196 100
 198 97.8 75.1 112.7
 97 47.7 35.6 53.4
 132 22.1 16.7 25.1

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

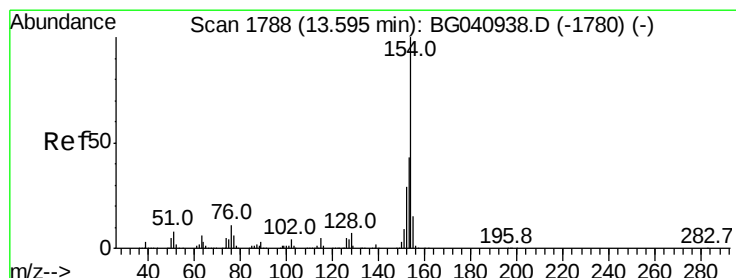
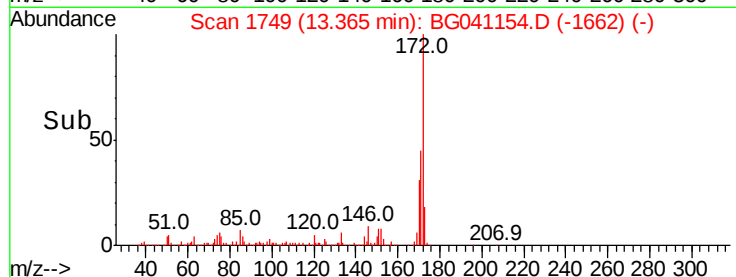
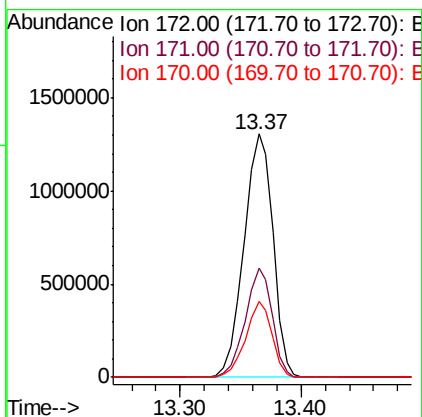
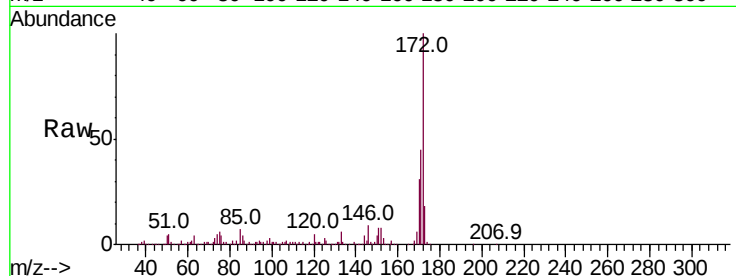




#45
2-Fluorobiphenyl
Concen: 62.841 ng
RT: 13.37 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

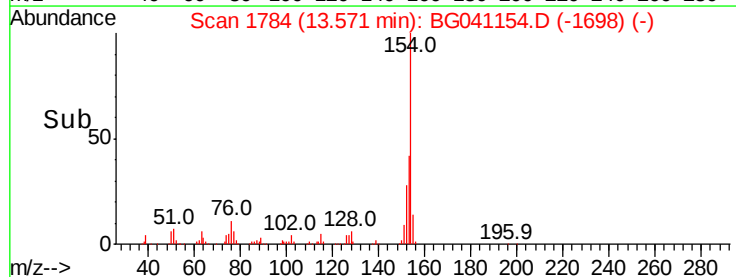
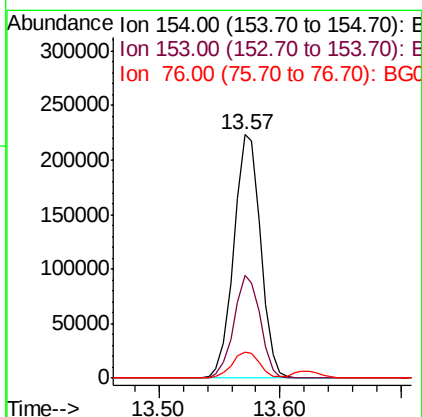
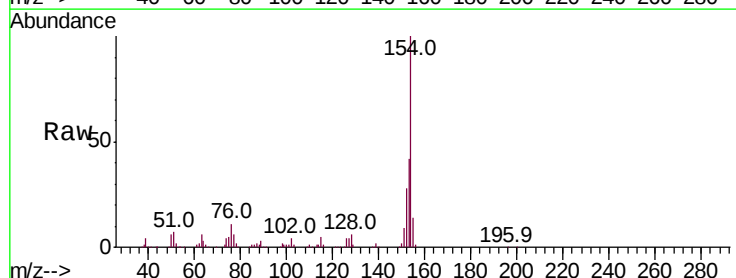
Instrument :
BNA_G
ClientSampleId :
SOILBS03

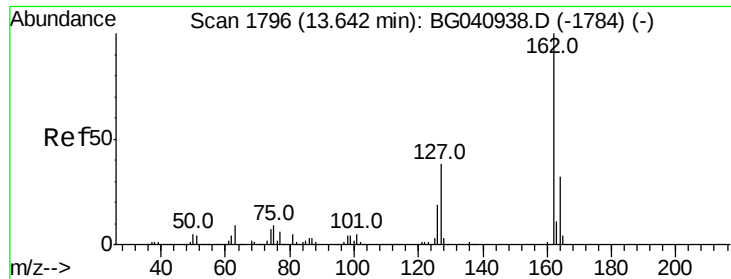
Tot Ion:172 Resp: 2186090
Ion Ratio Lower Upper
172 100
171 44.7 31.1 46.7
170 31.0 20.5 30.7#



#46
1,1'-Biphenyl
Concen: 9.294 ng
RT: 13.57 min Scan# 1784
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion:154 Resp: 344655
Ion Ratio Lower Upper
154 100
153 42.0 23.3 63.3
76 10.9 0.0 31.1





#47

2-Chloronaphthalene

Concen: 9.044 ng

RT: 13.62 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

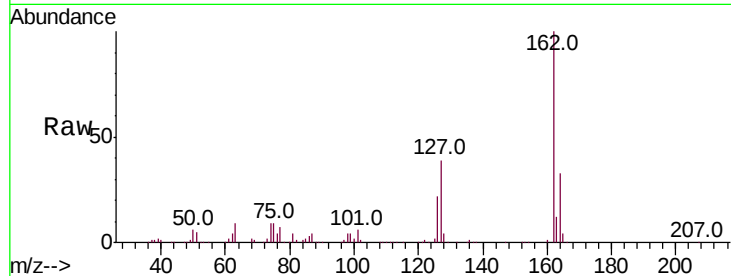
Tot Ion:162 Resp: 287905

Ion Ratio Lower Upper

162 100

127 39.3 30.5 45.7

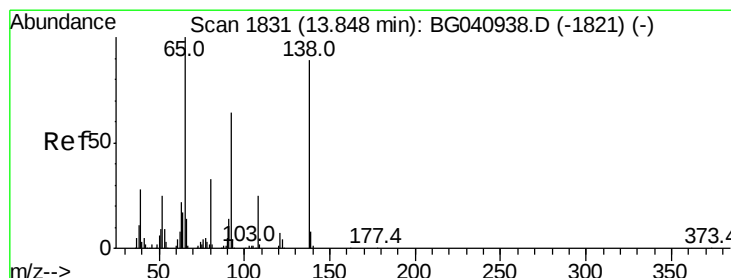
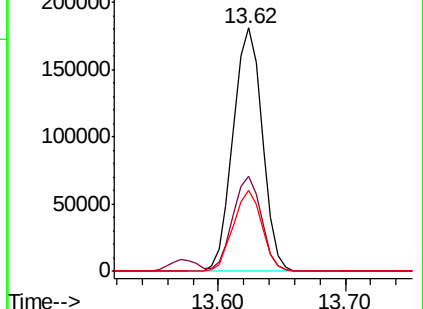
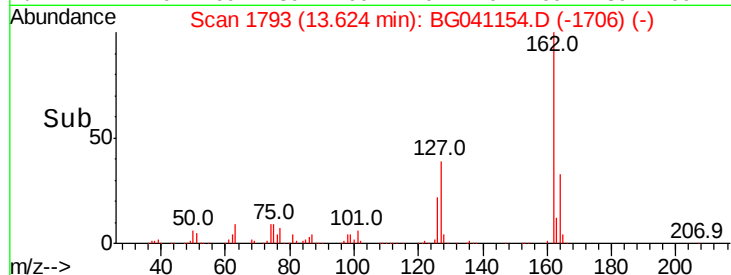
164 33.3 25.8 38.6



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: 8.536 ng

RT: 13.83 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

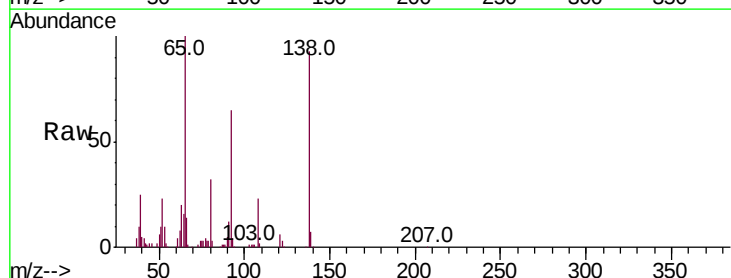
Tgt Ion: 65 Resp: 97485

Ion Ratio Lower Upper

65 100

92 64.8 51.0 76.6

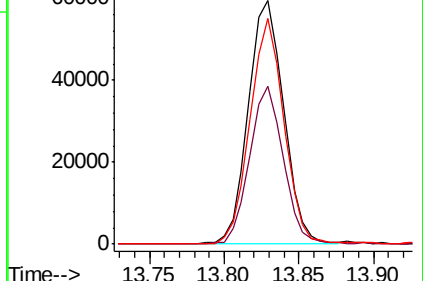
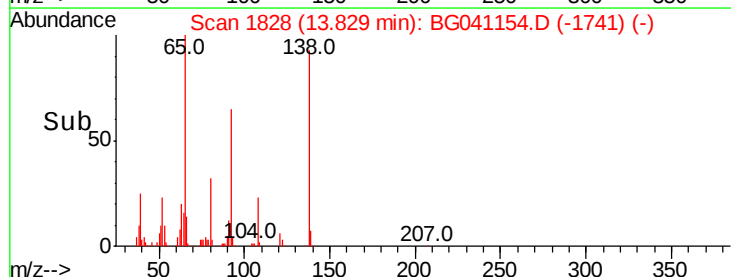
138 92.6 71.2 106.8

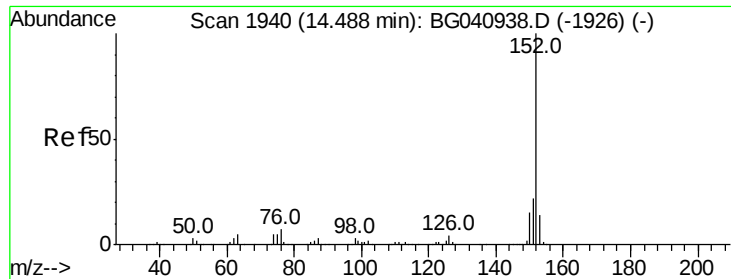


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 9.122 ng

RT: 14.46 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

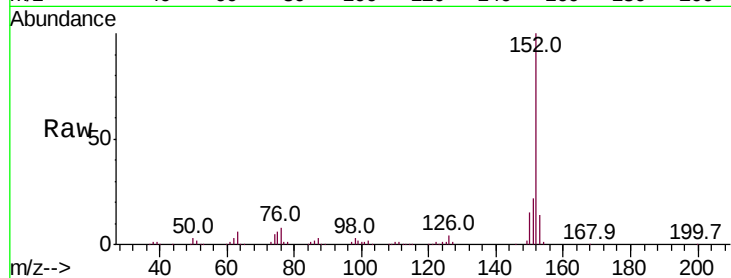
BNA_G

ClientSampleId :

SOILBS03

Tot Ion:152 Resp: 437084

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.4	26.0
153	14.5	11.0	16.4

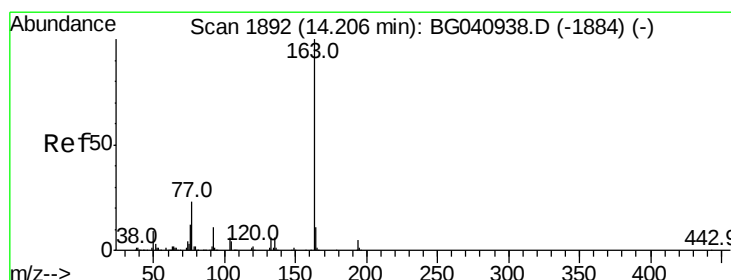
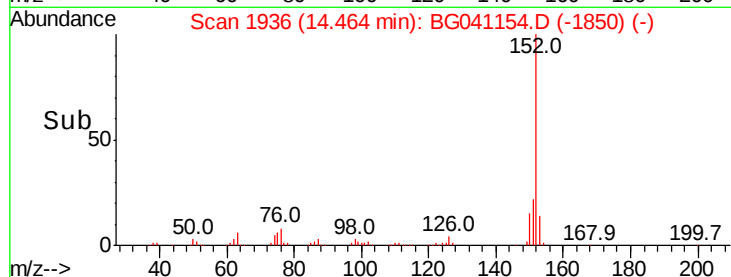
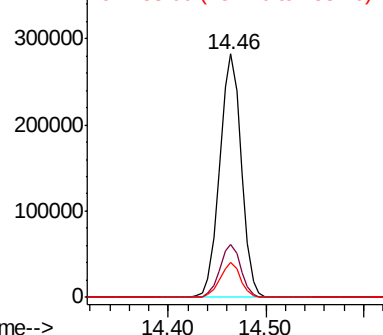


Abundance

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: 8.557 ng

RT: 14.19 min Scan# 1889

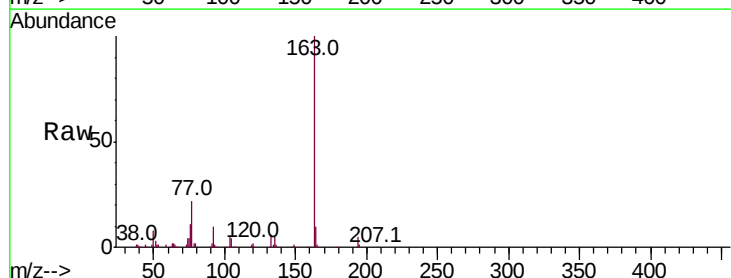
Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Tgt Ion:163 Resp: 362904

Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.8	5.8
164	9.9	8.7	13.1

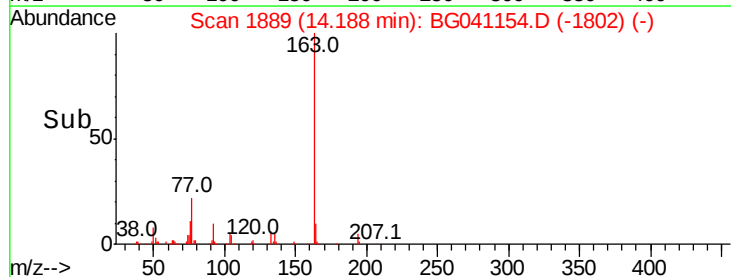
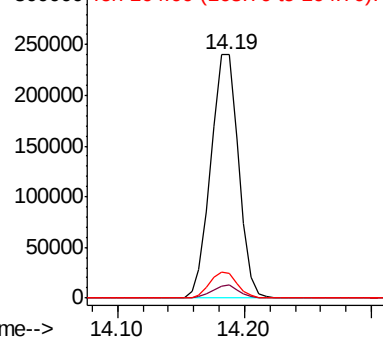


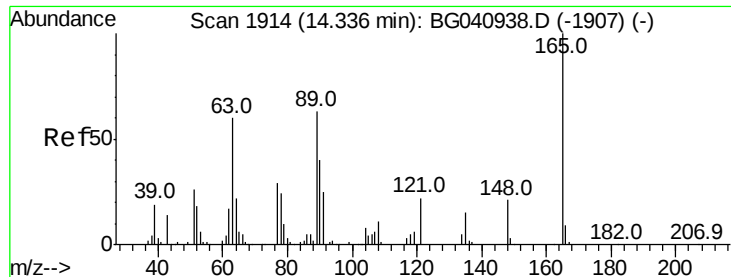
Abundance

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: 8.945 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

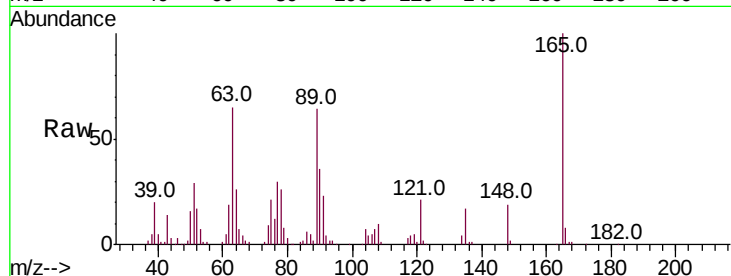
Tot Ion:165 Resp: 81793

Ion Ratio Lower Upper

165 100

63 65.1 53.6 80.4

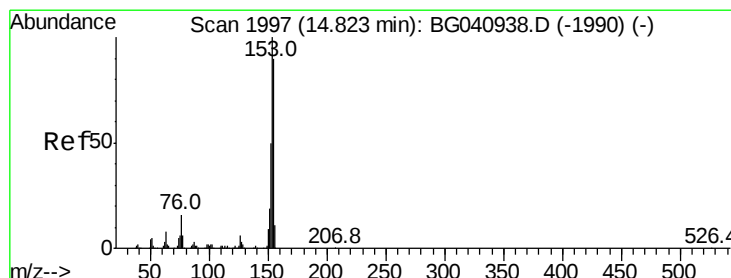
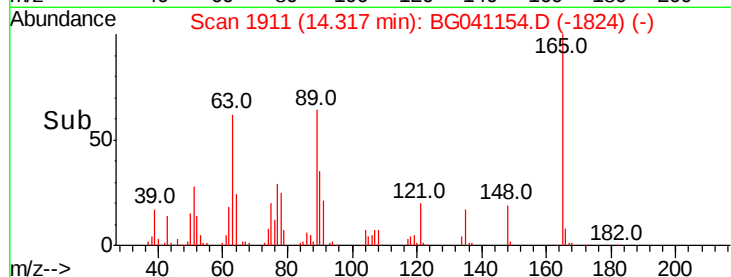
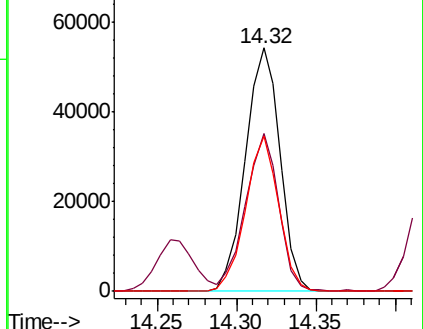
89 63.7 50.4 75.6



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



#52

Acenaphthene

Concen: 8.626 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

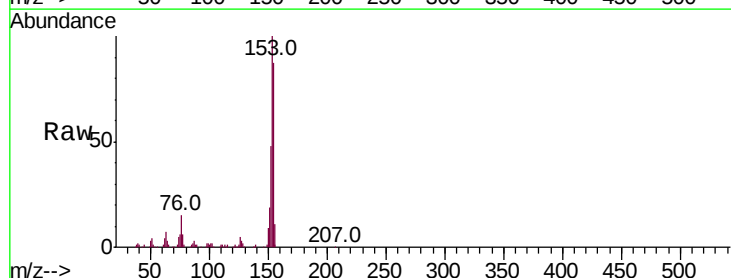
Tgt Ion:154 Resp: 250375

Ion Ratio Lower Upper

154 100

153 115.5 88.6 133.0

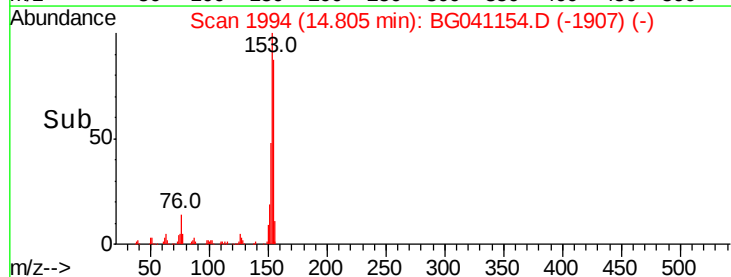
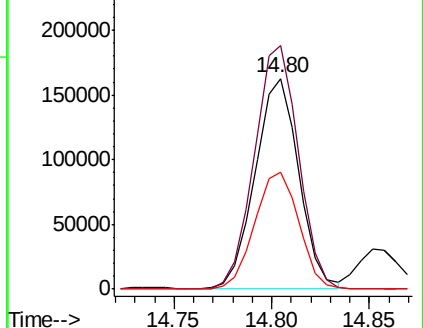
152 55.2 44.2 66.4

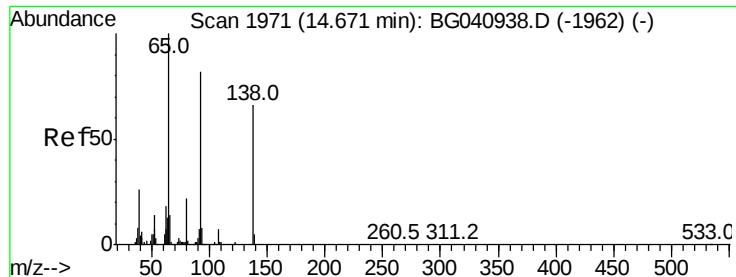


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 6.151 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

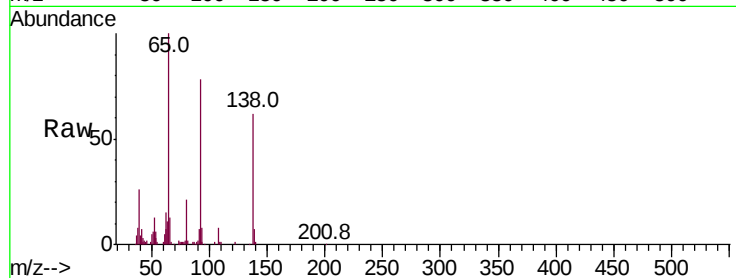
Tot Ion:138 Resp: 56236

Ion Ratio Lower Upper

138 100

108 12.5 8.5 12.7

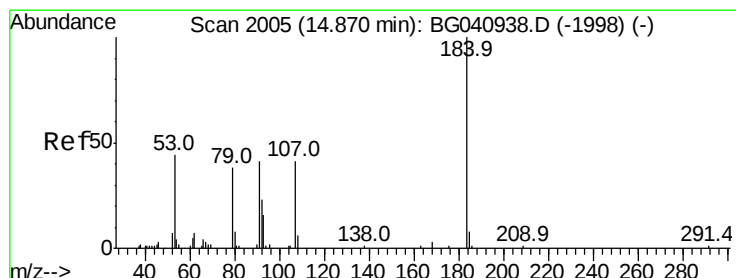
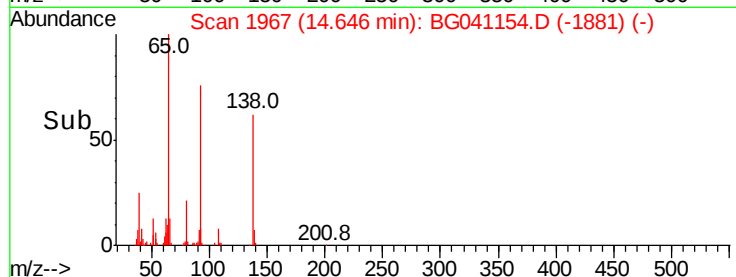
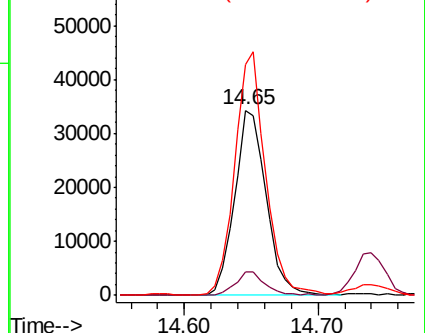
92 125.0 99.0 148.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 27.474 ng

RT: 14.85 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

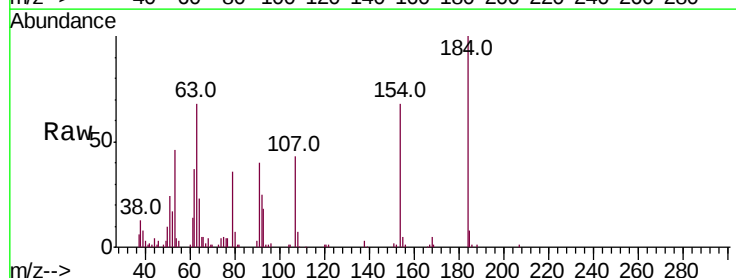
Tgt Ion:184 Resp: 80138

Ion Ratio Lower Upper

184 100

63 68.5 49.8 74.6

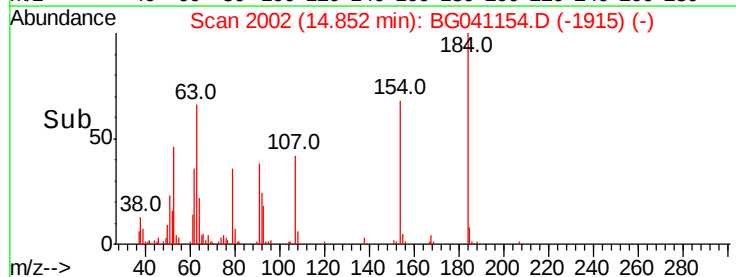
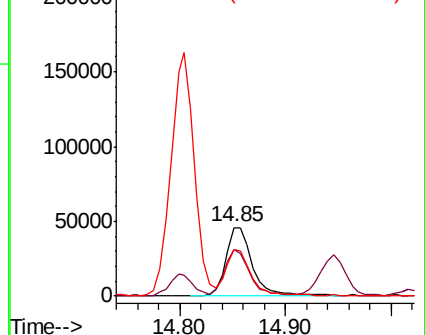
154 67.9 52.2 78.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 9.112 ng

RT: 15.13 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

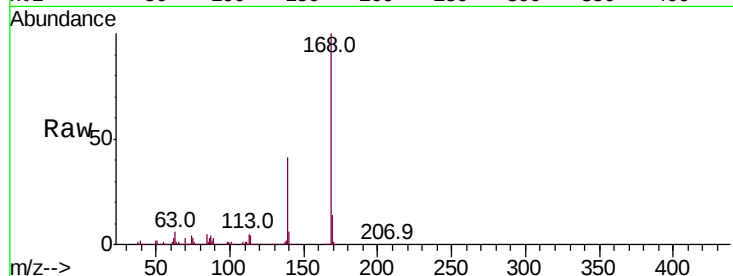
Tot Ion:168 Resp: 445015

Ion Ratio Lower Upper

168 100

139 41.1 32.8 49.2

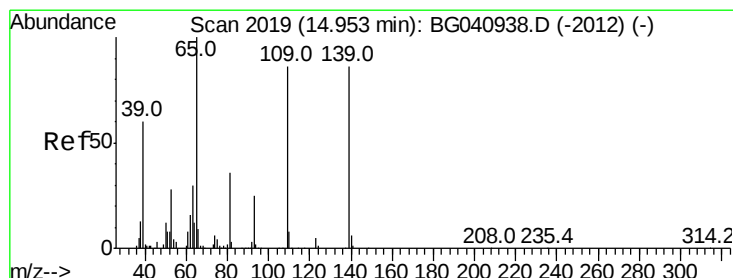
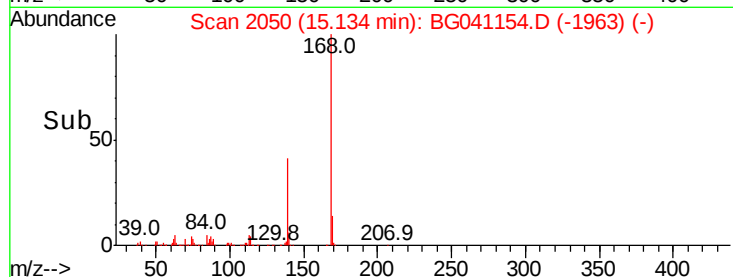
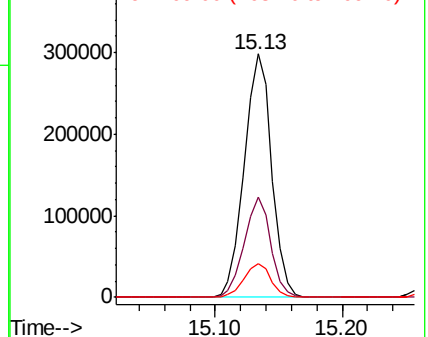
169 13.7 11.3 16.9



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: 18.628 ng

RT: 14.95 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

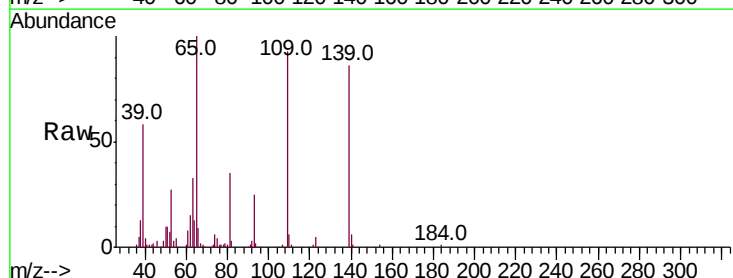
Tgt Ion:139 Resp: 116823

Ion Ratio Lower Upper

139 100

109 108.2 79.6 119.6

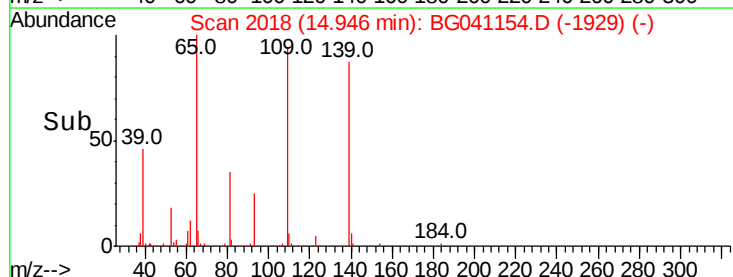
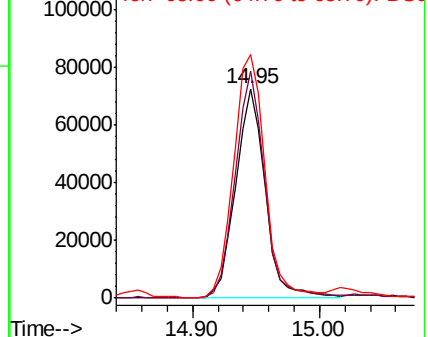
65 116.3 96.9 136.9

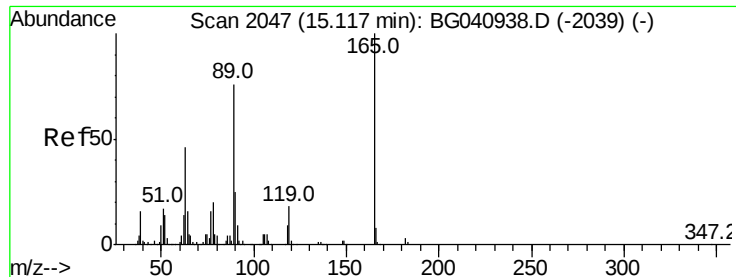


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

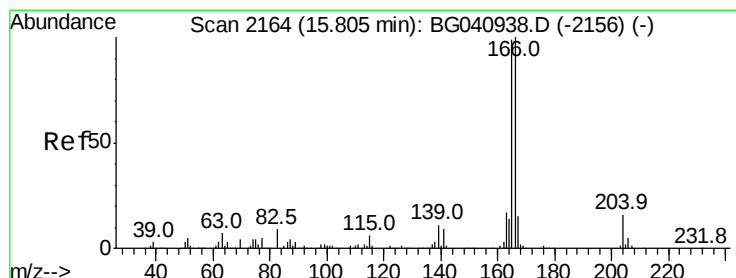
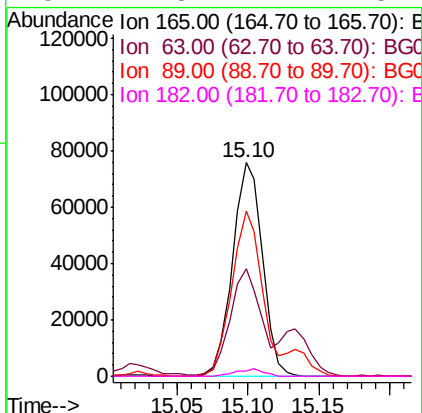
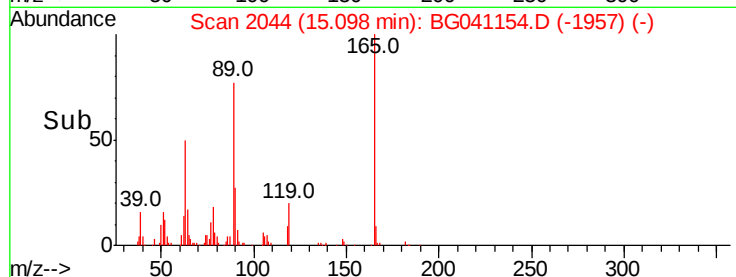
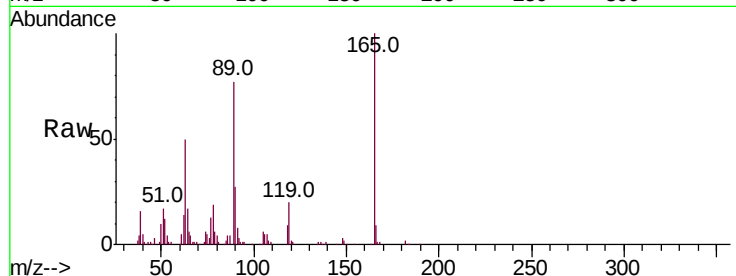




#57
2,4-Dinitrotoluene
Concen: 8.651 ng
RT: 15.10 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

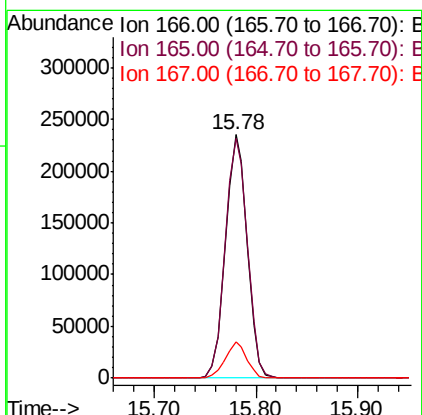
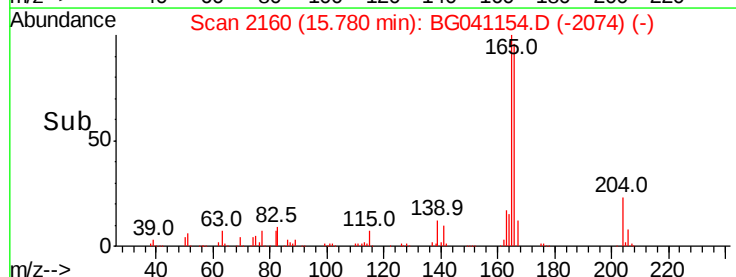
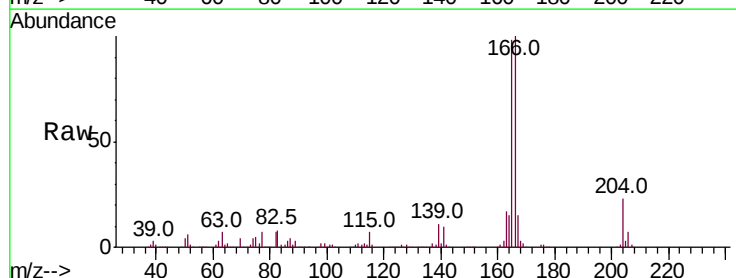
Instrument :
BNA_G
ClientSampleId :
SOILBS03

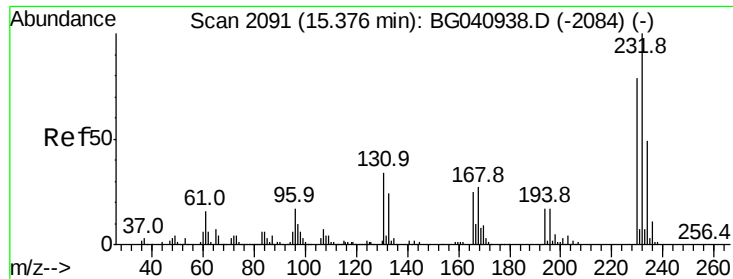
Tot Ion:165 Resp: 111730
Ion Ratio Lower Upper
165 100
63 50.3 37.3 55.9
89 77.1 61.0 91.6
182 2.3 2.2 3.2



#58
Fluorene
Concen: 8.933 ng
RT: 15.78 min Scan# 2160
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion:166 Resp: 347451
Ion Ratio Lower Upper
166 100
165 98.5 79.2 118.8
167 14.9 11.8 17.6

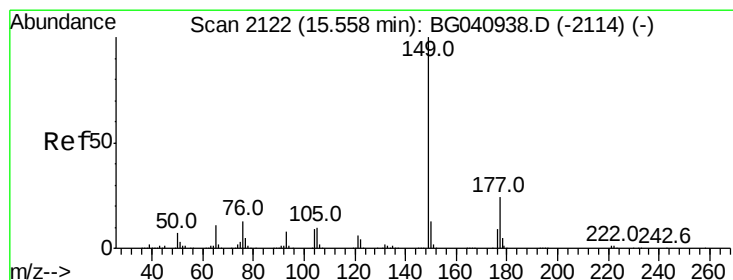
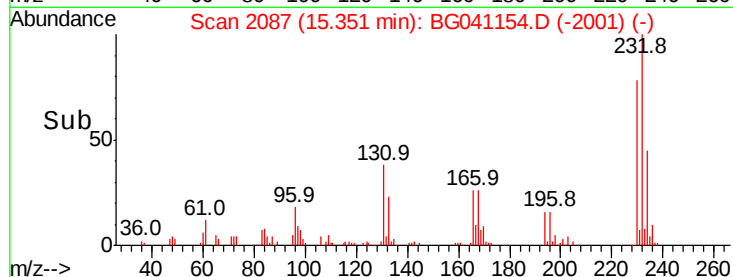
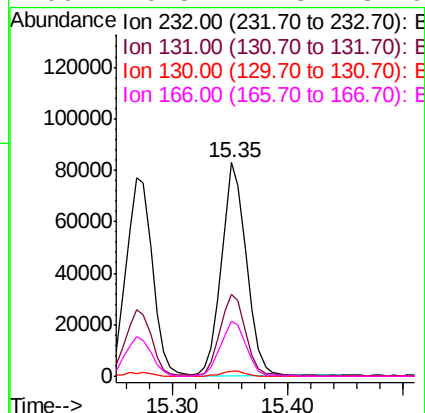
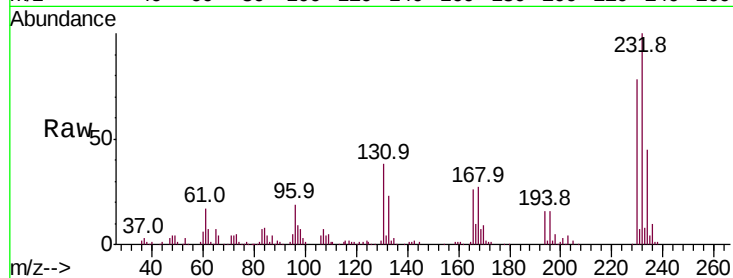




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 9.124 ng
 RT: 15.35 min Scan# 2087
 Delta R.T. -0.02 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

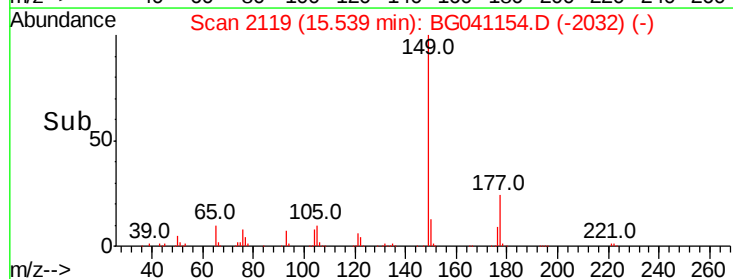
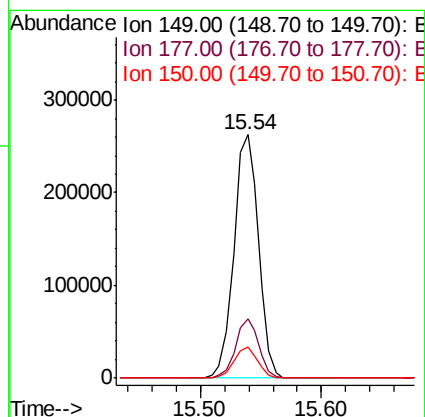
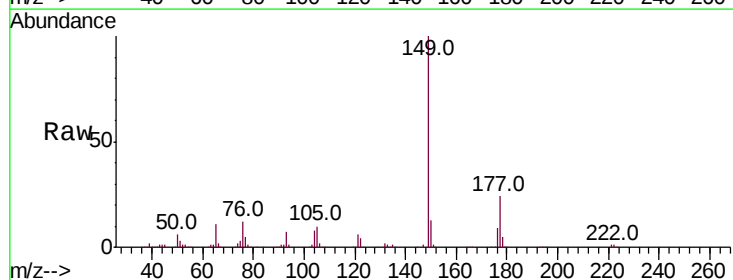
Instrument :
 BNA_G
 ClientSampleId :
 SOILBS03

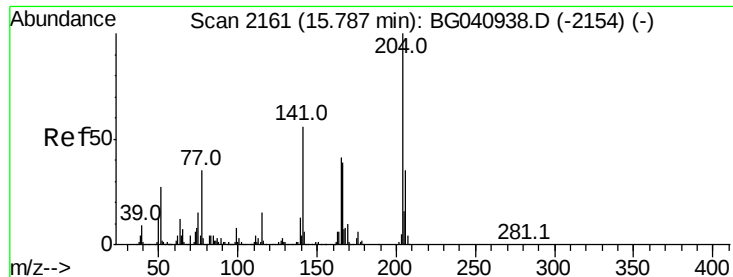
Tot Ion:	232	Resp:	123527
Ion	Ratio	Lower	Upper
232	100		
131	38.9	30.3	45.5
130	2.3	1.8	2.8
166	26.8	21.3	31.9



#60
 Diethylphthalate
 Concen: 8.547 ng
 RT: 15.54 min Scan# 2119
 Delta R.T. -0.02 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

Tgt Ion:	149	Resp:	369918
Ion	Ratio	Lower	Upper
149	100		
177	24.3	19.4	29.0
150	12.9	10.3	15.5

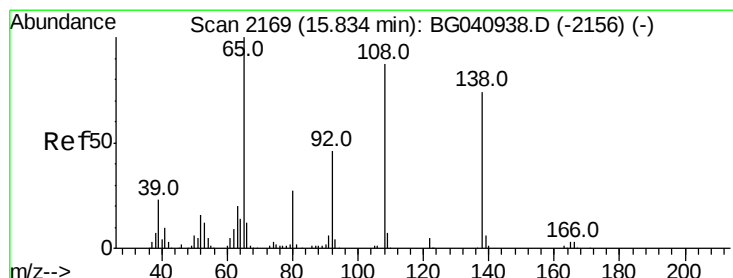
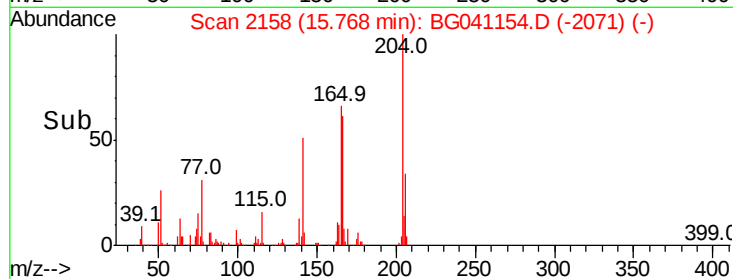
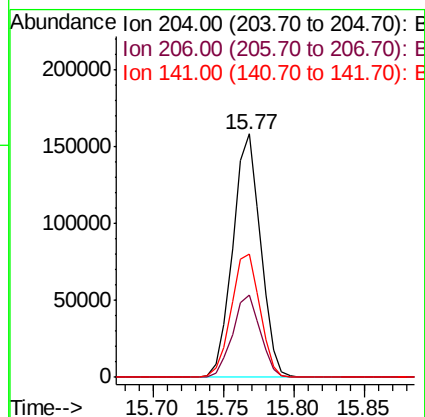
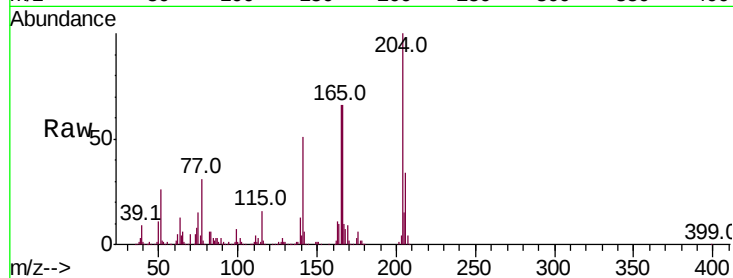




#61
4-Chlorophenyl-phenylether
Concen: 8.586 ng
RT: 15.77 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

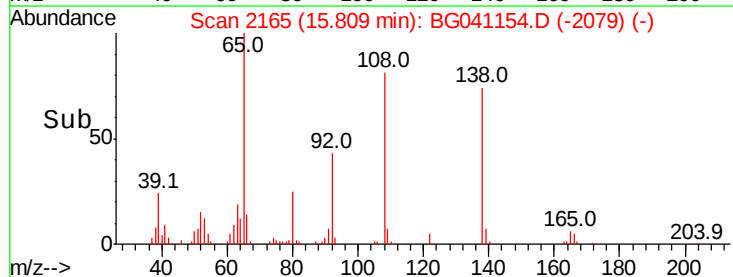
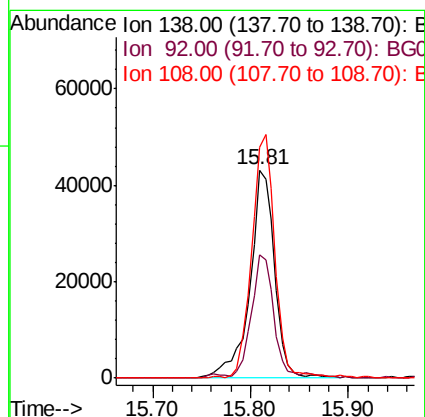
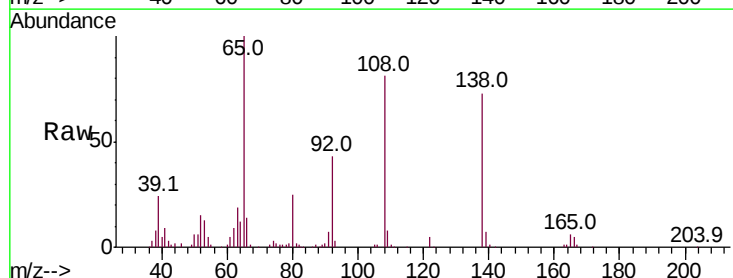
Instrument :
BNA_G
ClientSampleId :
SOILBS03

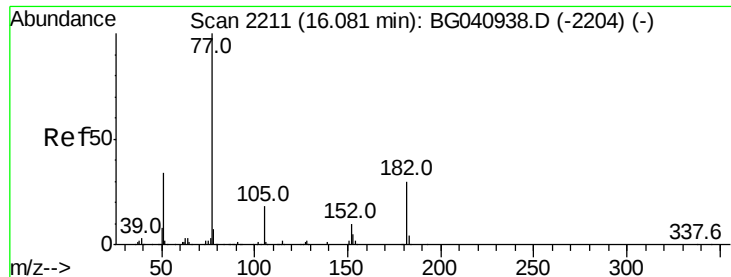
Tot Ion:204 Resp: 217069
Ion Ratio Lower Upper
204 100
206 33.8 27.6 41.4
141 50.9 45.1 67.7



#62
4-Nitroaniline
Concen: 7.957 ng
RT: 15.81 min Scan# 2165
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion:138 Resp: 77021
Ion Ratio Lower Upper
138 100
92 59.1 42.4 82.4
108 110.7 96.9 136.9





#63

Azobenzene

Concen: 8.763 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

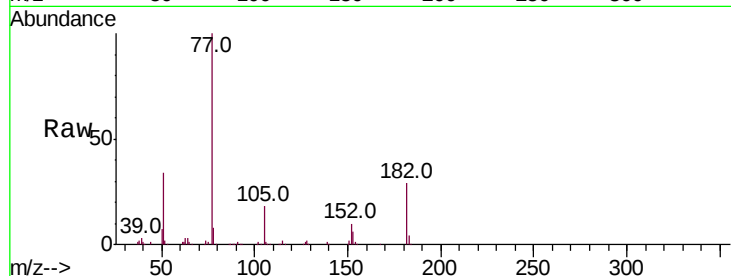
BNA_G

ClientSampleId :

SOILBS03

Tot Ion: 77 Resp: 344695

Ion	Ratio	Lower	Upper
77	100		
182	29.5	9.6	49.6
105	18.4	0.0	37.5
51	34.1	13.7	53.7

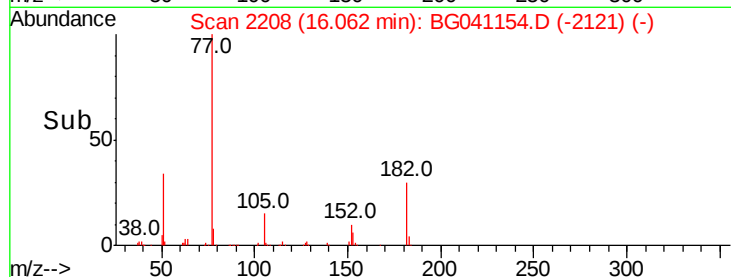


Abundance Ion 77.00 (76.70 to 77.70): BGC

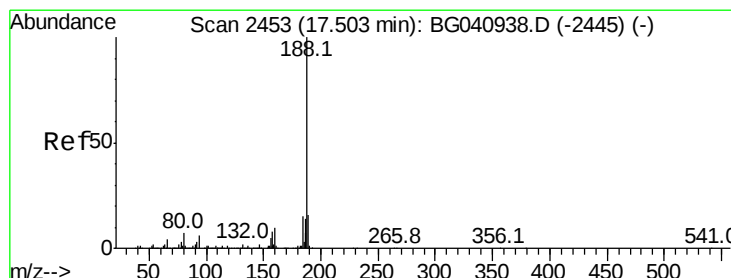
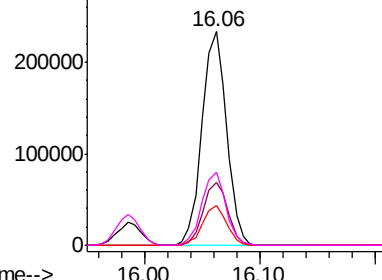
Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

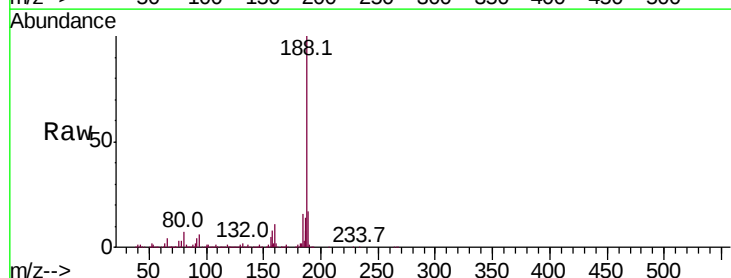
Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Tgt Ion: 188 Resp: 1208624

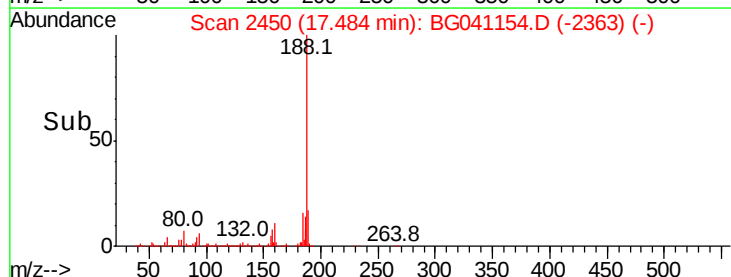
Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.7	7.1
80	7.5	5.8	8.8



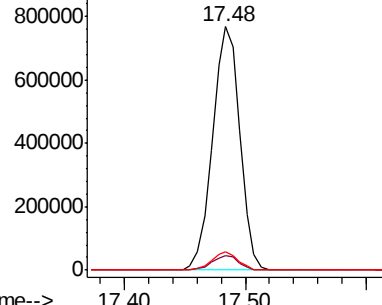
Abundance Ion 188.00 (187.70 to 188.70): BGC

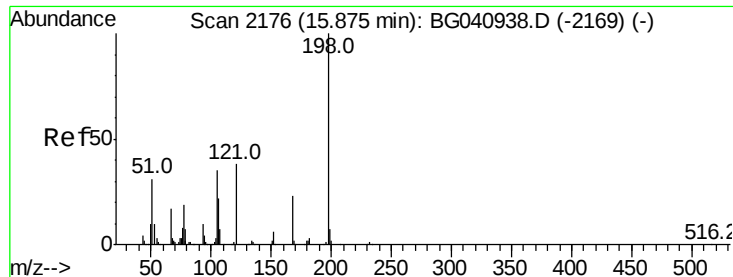
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->

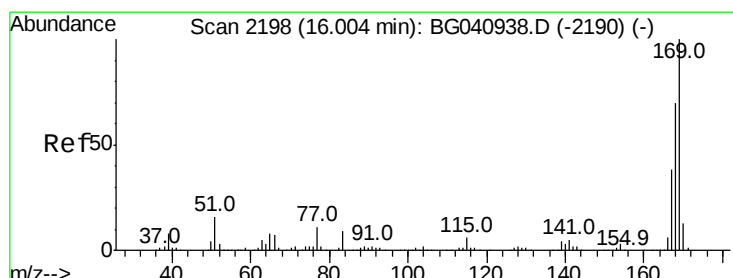
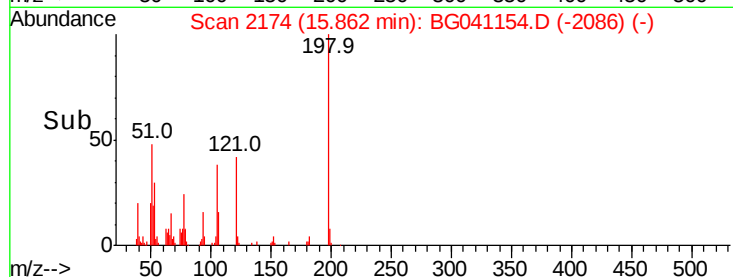
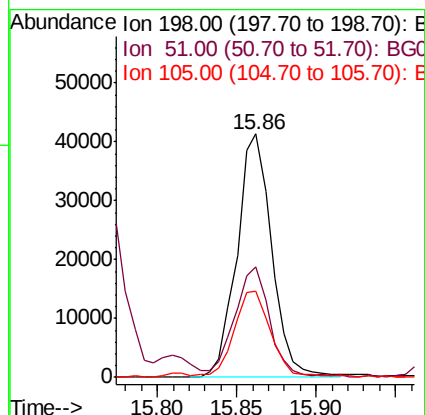
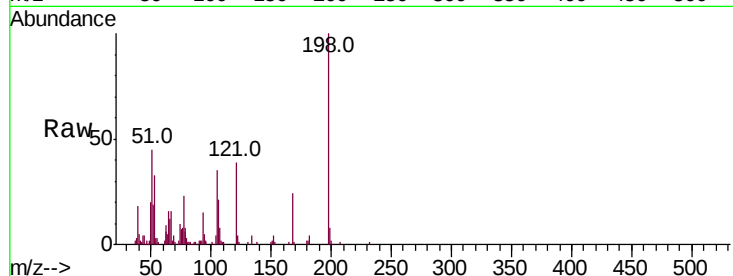




#65
4,6-Dinitro-2-methylphenol
Concen: 16.604 ng
RT: 15.86 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

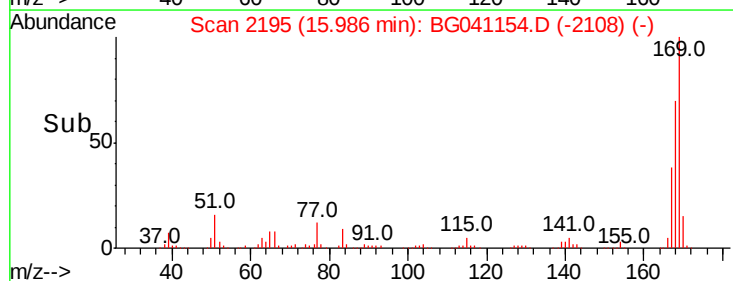
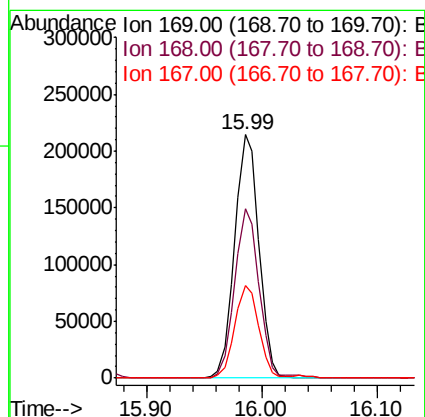
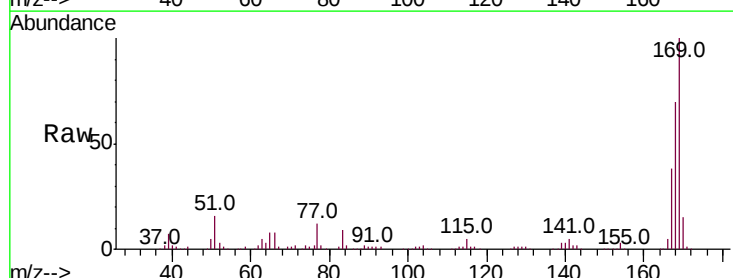
Instrument :
BNA_G
ClientSampleId :
SOILBS03

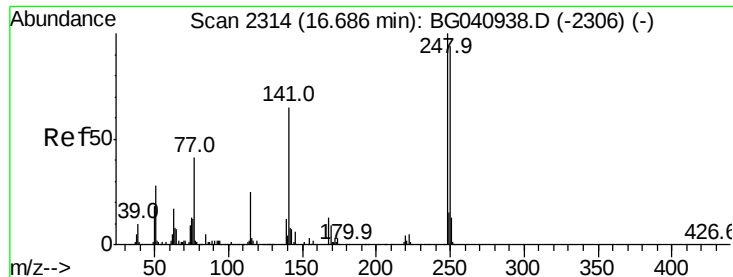
Tot Ion	Ratio	Lower	Upper
198	100		
51	45.2	21.6	61.6
105	35.5	17.5	57.5



#66
n-Nitrosodiphenylamine
Concen: 9.192 ng
RT: 15.99 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.7	55.7	83.5
167	38.1	30.2	45.2

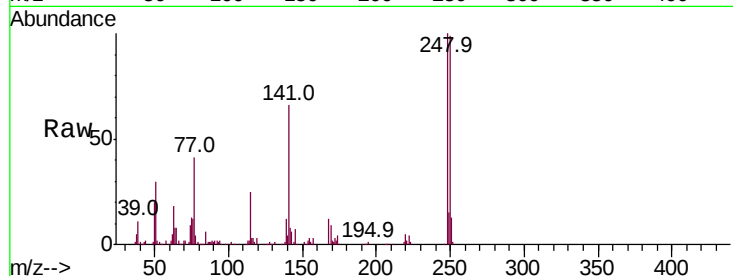




#67
 4-Bromophenyl-phenylether
 Concen: 8.793 ng
 RT: 16.66 min Scan# 2310
 Delta R.T. -0.02 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

Instrument :
 BNA_G
 ClientSampleId :
 SOILBS03

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.2	75.0	112.4
141	66.1	52.4	78.6

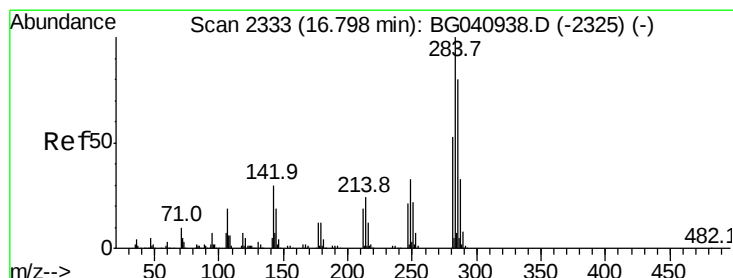
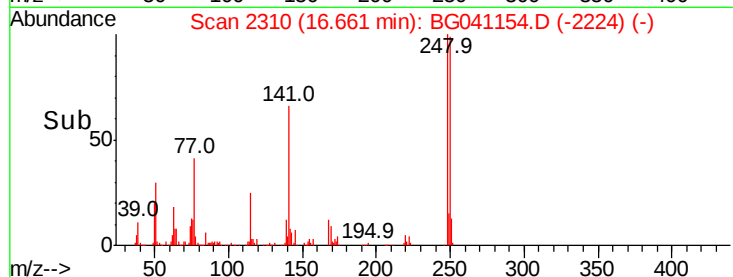
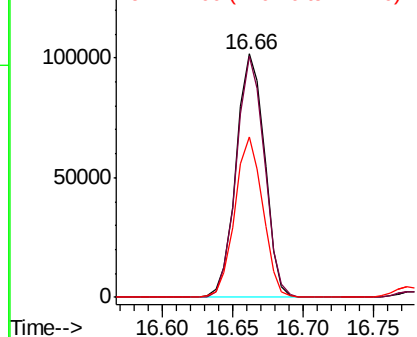


Abundance

Ion 248.00 (247.70 to 248.70): E

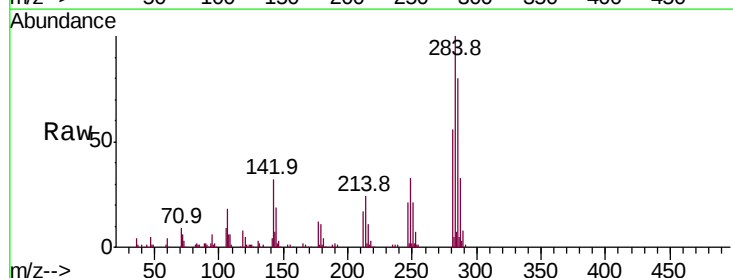
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 8.686 ng
 RT: 16.77 min Scan# 2329
 Delta R.T. -0.02 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.9	35.9
249	33.5	26.8	40.2

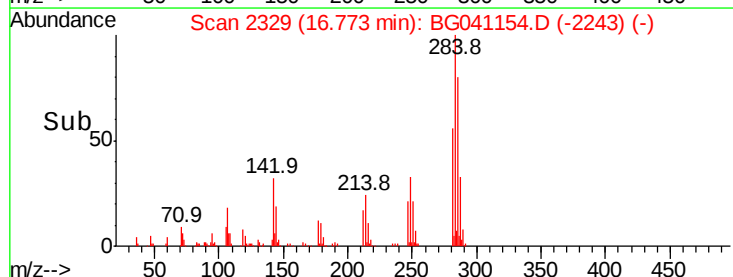
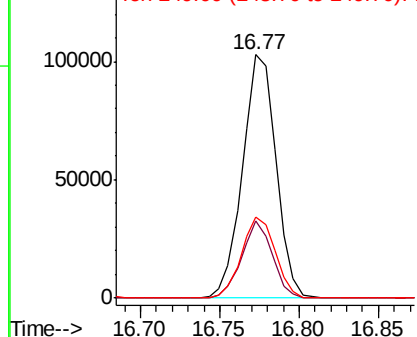


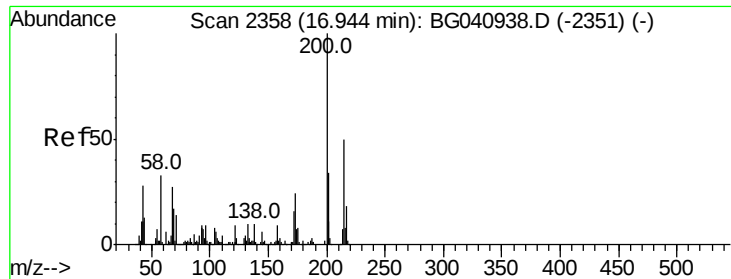
Abundance

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: 9.900 ng

RT: 16.93 min Scan# 2355

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

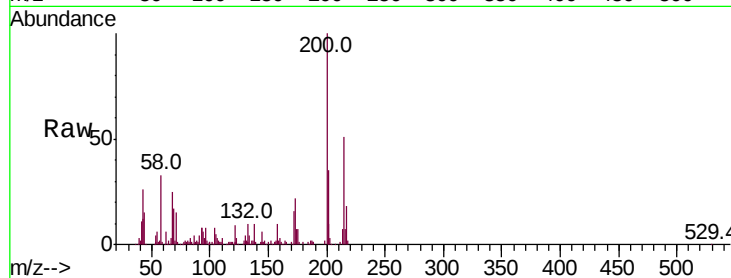
Tot Ion:200 Resp: 129789

Ion Ratio Lower Upper

200 100

173 22.3 3.6 43.6

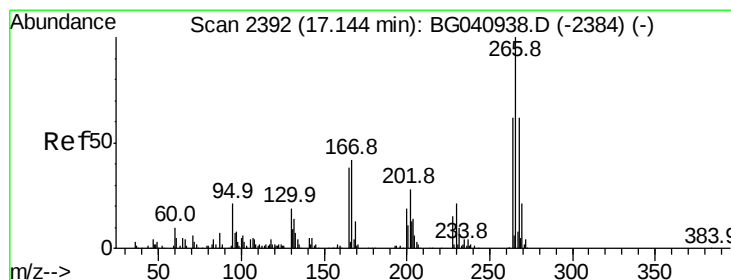
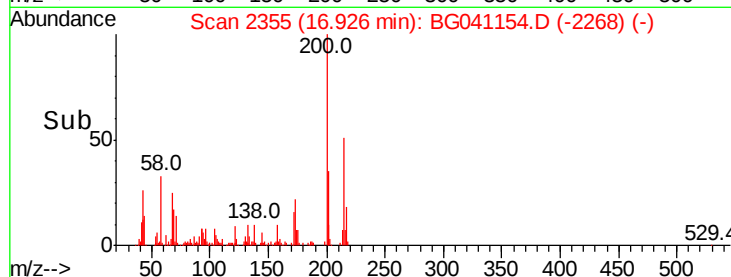
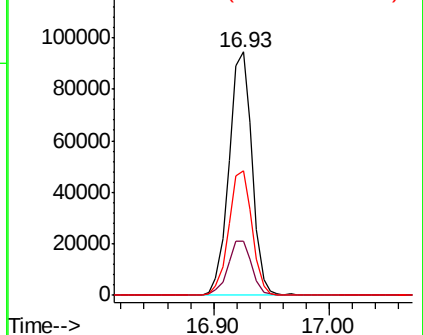
215 50.9 29.6 69.6



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: 20.752 ng

RT: 17.12 min Scan# 2388

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

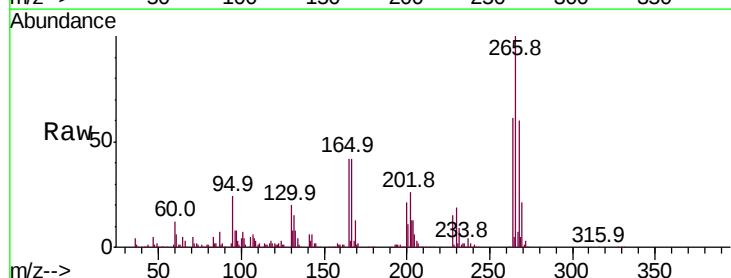
Tgt Ion:266 Resp: 162106

Ion Ratio Lower Upper

266 100

268 60.1 53.1 79.7

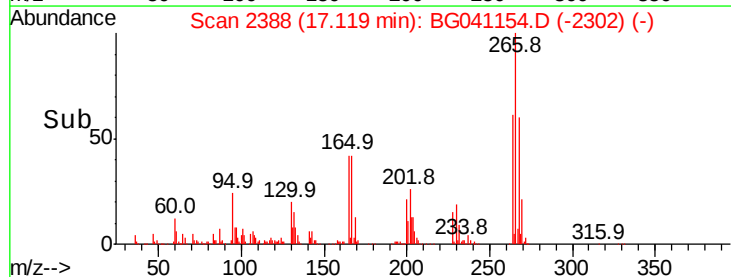
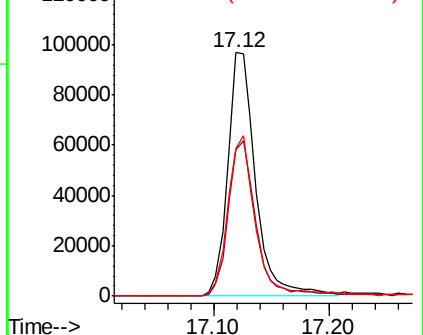
264 60.8 49.9 74.9

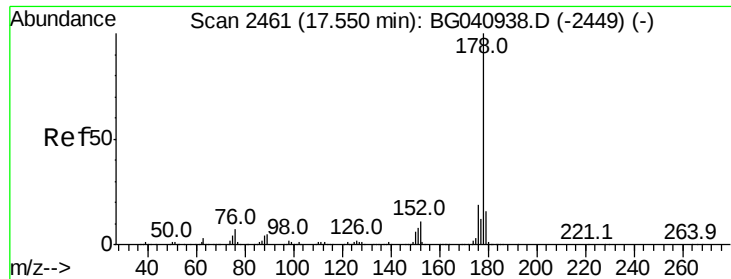


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 9.125 ng

RT: 17.52 min Scan# 2457

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

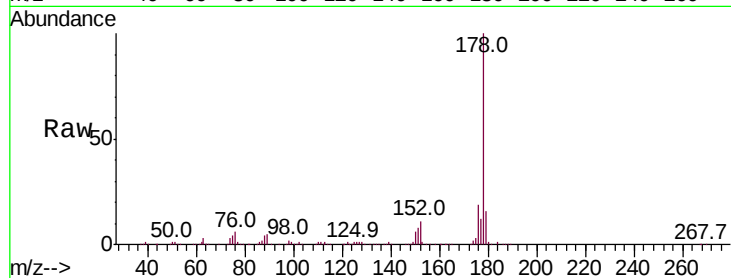
Tot Ion:178 Resp: 574470

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

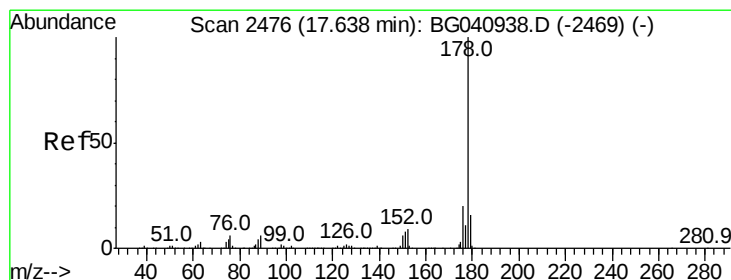
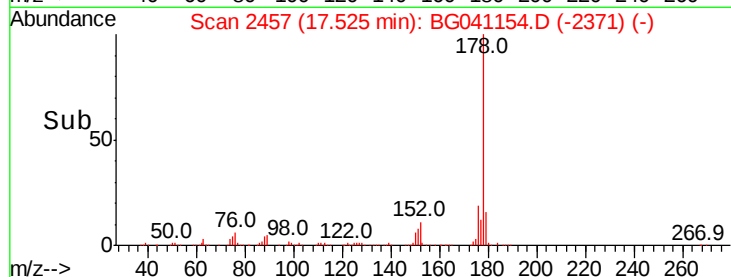
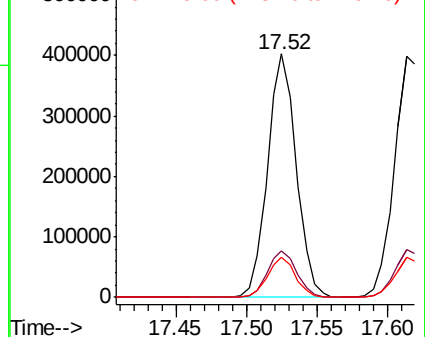
179 16.4 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.670 ng

RT: 17.61 min Scan# 2472

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

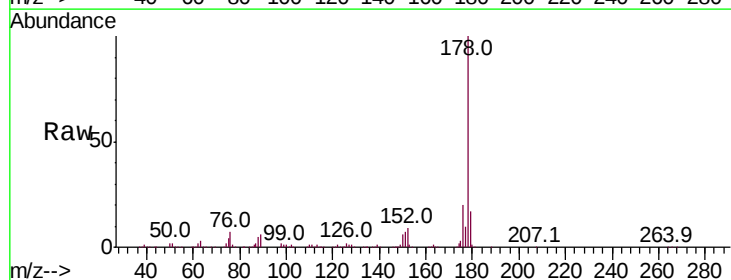
Tgt Ion:178 Resp: 600397

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

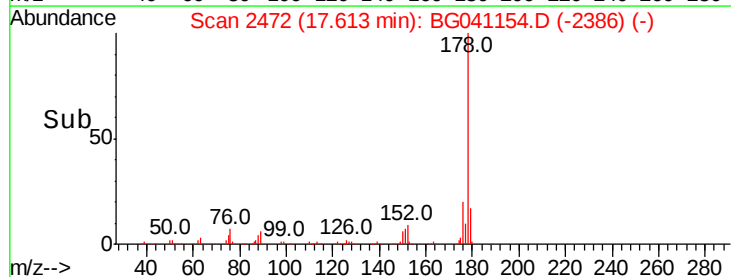
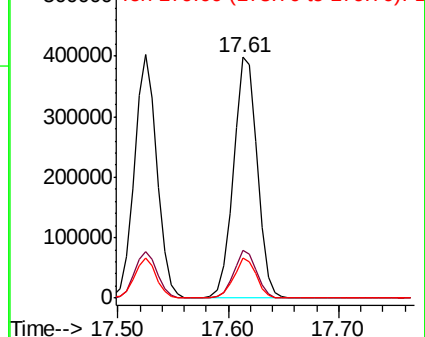
179 16.6 13.0 19.4

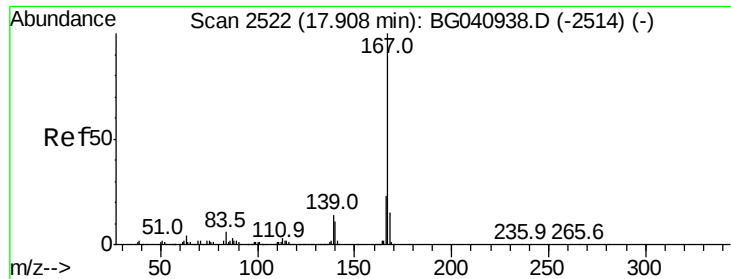


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

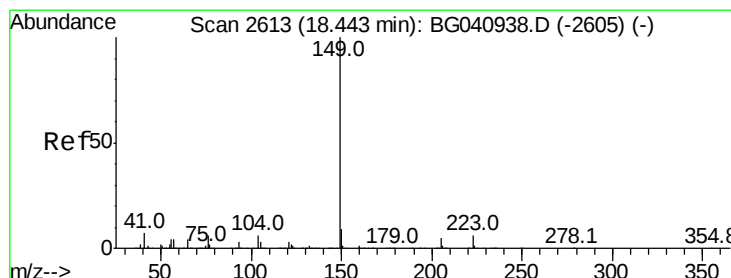
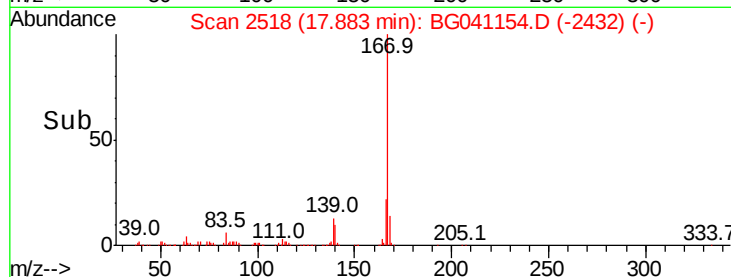
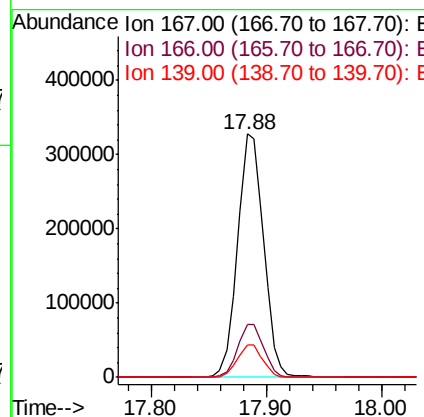
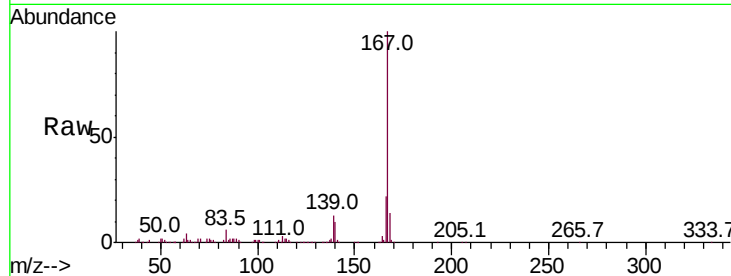




#73
 Carbazole
 Concen: 9.606 ng
 RT: 17.88 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

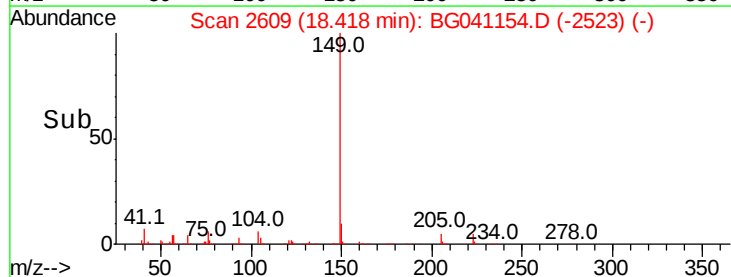
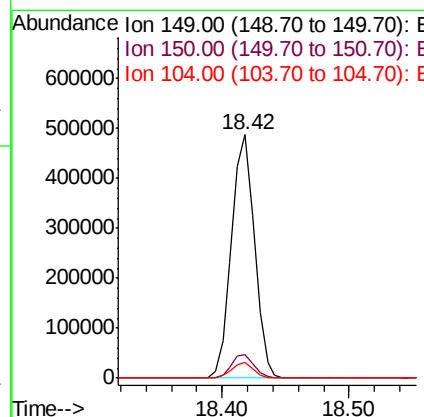
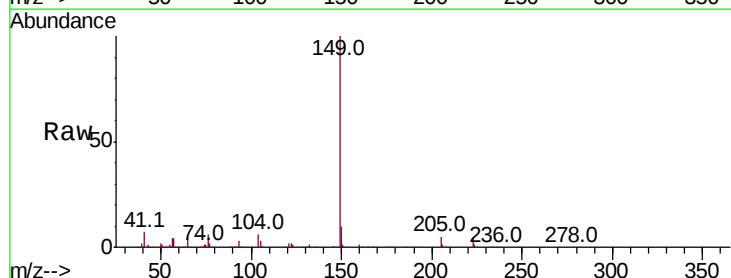
Instrument :
 BNA_G
 ClientSampleId :
 SOILBS03

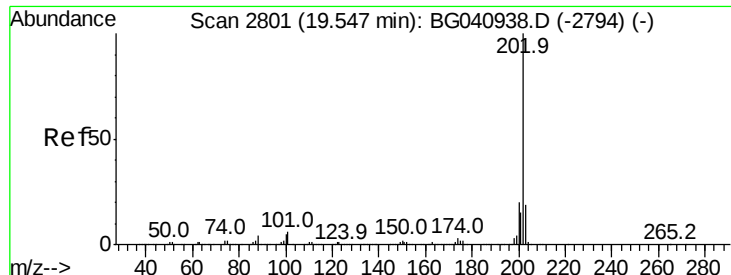
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.2	27.4
139	13.4	10.8	16.2



#74
 Di-n-butylphthalate
 Concen: 9.235 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. -0.02 min
 Lab File: BG041154.D
 Acq: 9 Jun 2019 5:25

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	6.5	5.0	7.4





#75

Fluoranthene

Concen: 9.824 ng

RT: 19.53 min Scan# 2798

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

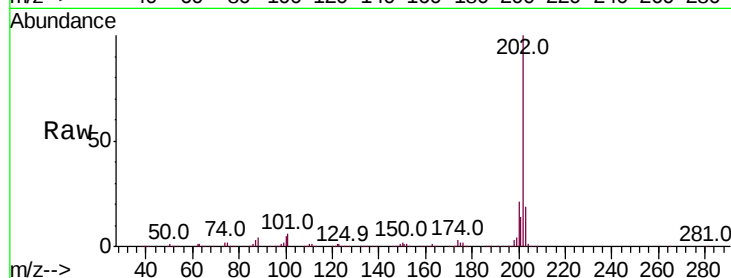
Tot Ion:202 Resp: 763892

Ion Ratio Lower Upper

202 100

101 6.3 0.0 26.2

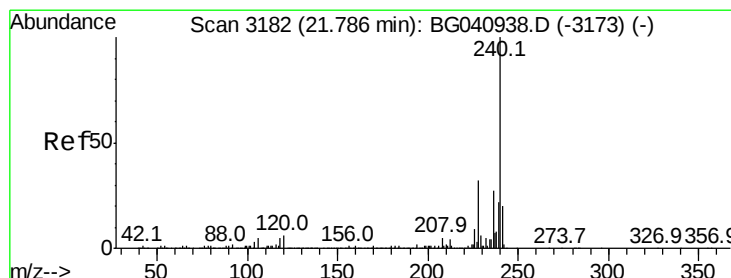
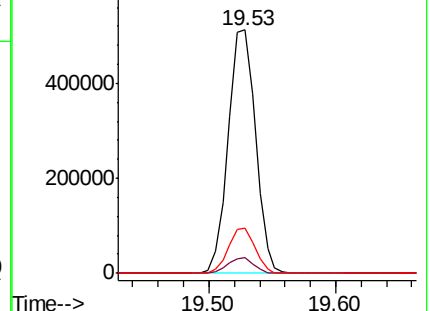
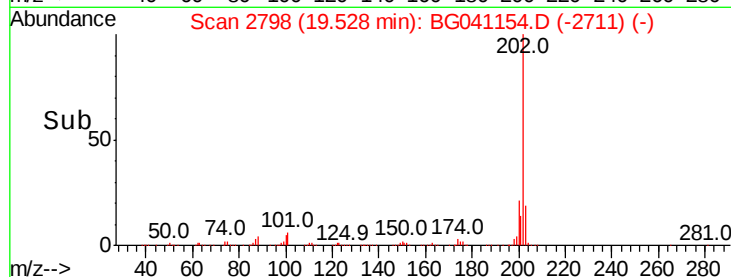
203 18.7 0.0 38.7



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: 21.77 min Scan# 3179

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

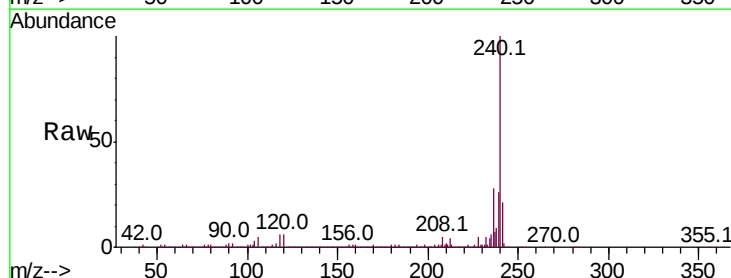
Tgt Ion:240 Resp: 1208623

Ion Ratio Lower Upper

240 100

120 5.9 4.5 6.7

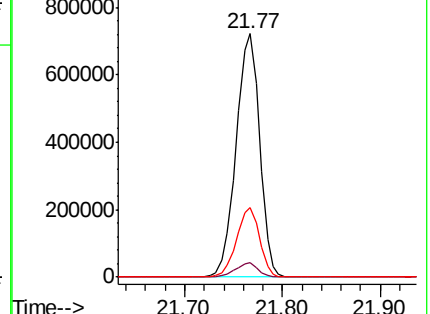
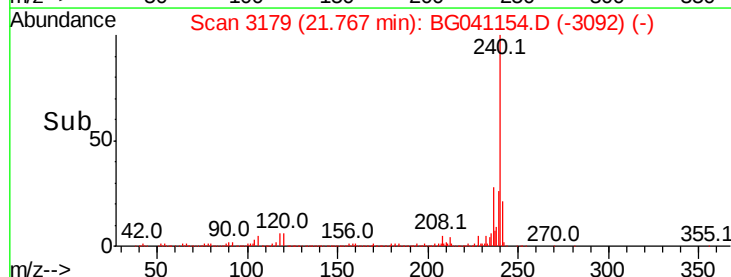
236 28.4 21.3 31.9

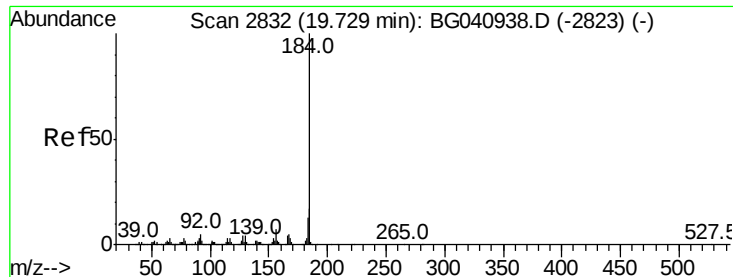


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.006 ng

RT: 19.71 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

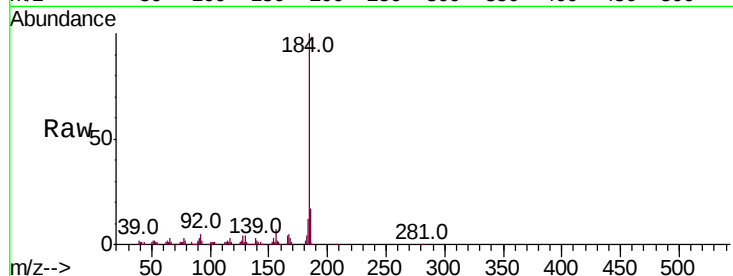
Tot Ion:184 Resp: 230843

Ion Ratio Lower Upper

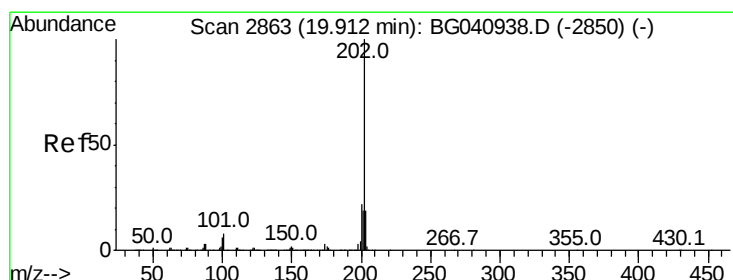
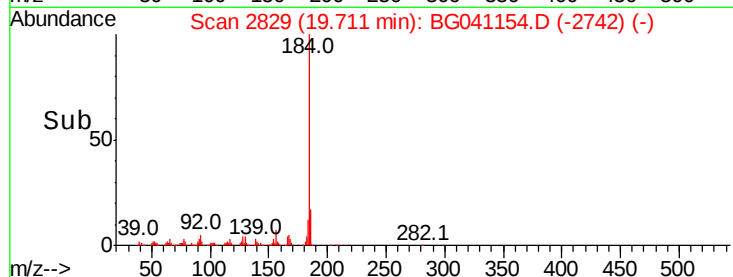
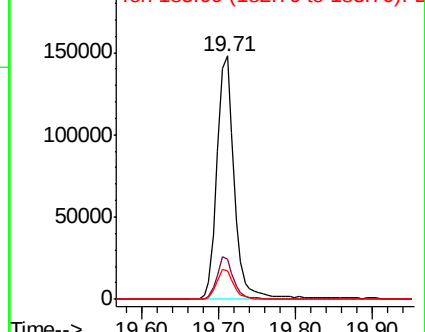
184 100

185 16.6 13.3 19.9

183 11.9 10.7 16.1



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



#78

Pyrene

Concen: 9.764 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

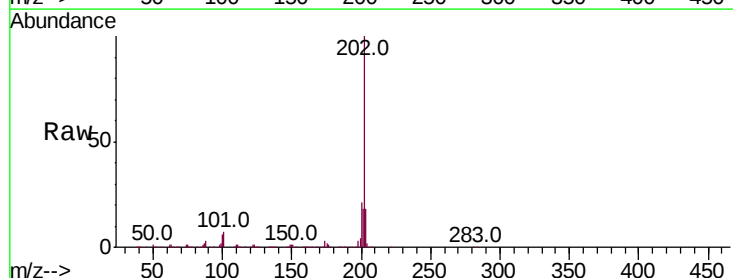
Tgt Ion:202 Resp: 767171

Ion Ratio Lower Upper

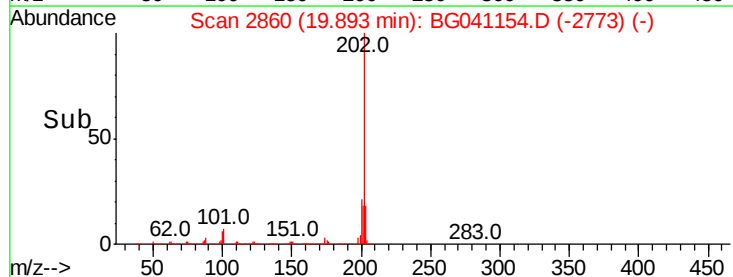
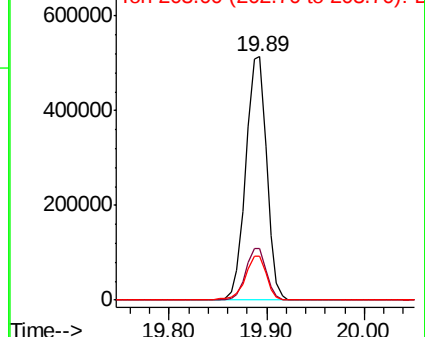
202 100

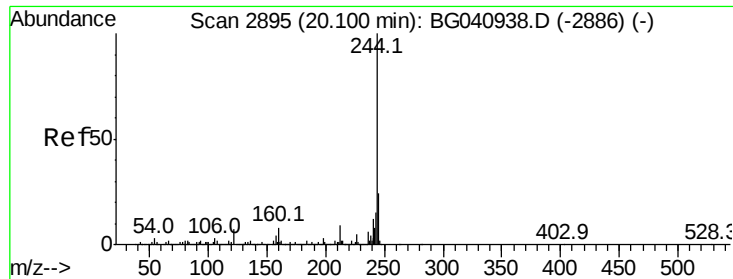
200 21.4 17.5 26.3

203 17.8 15.6 23.4



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: 56.224 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

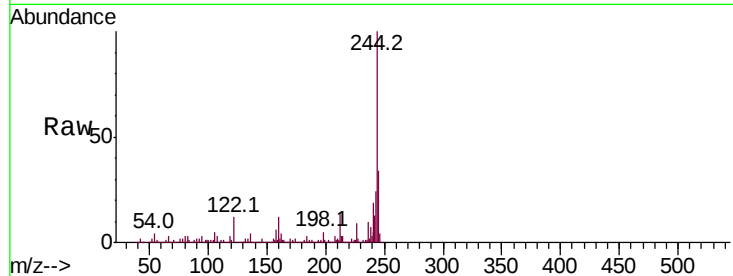
Tot Ion:244 Resp: 3201807

Ion Ratio Lower Upper

244 100

212 13.9 7.0 10.4#

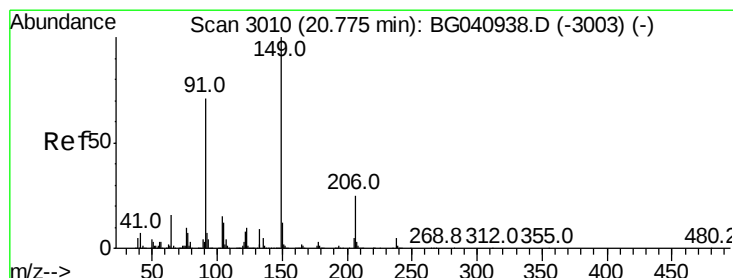
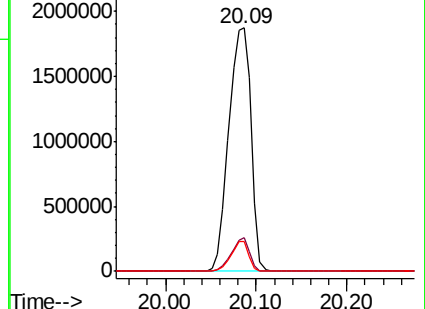
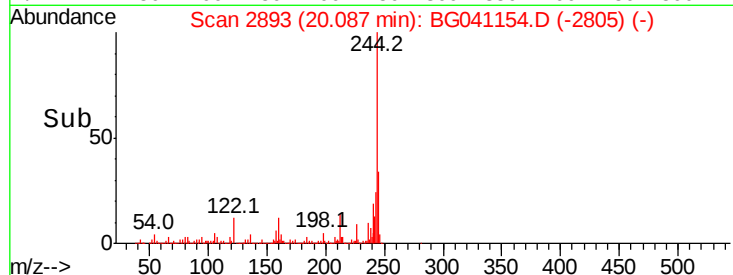
122 12.3 5.4 8.0#



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: 9.261 ng

RT: 20.75 min Scan# 3006

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

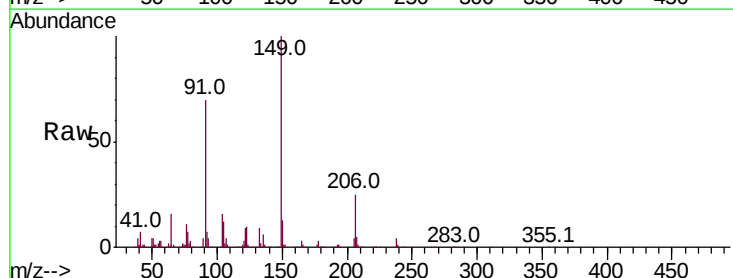
Tgt Ion:149 Resp: 283166

Ion Ratio Lower Upper

149 100

91 69.9 56.5 84.7

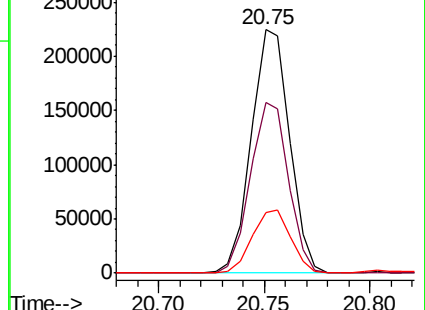
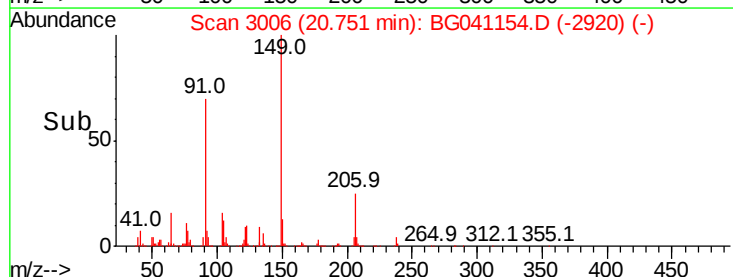
206 25.0 20.3 30.5

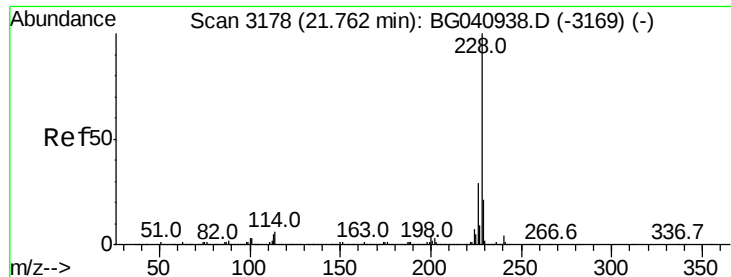


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.166 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

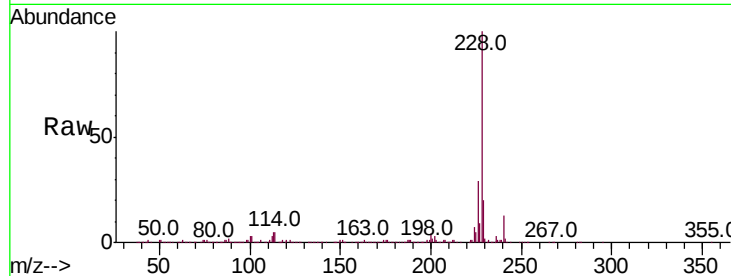
Tot Ion:228 Resp: 737448

Ion Ratio Lower Upper

228 100

226 28.7 23.5 35.3

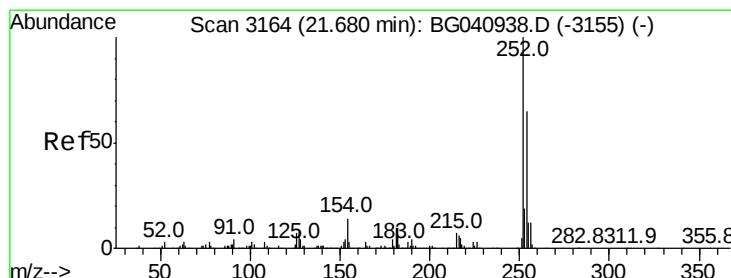
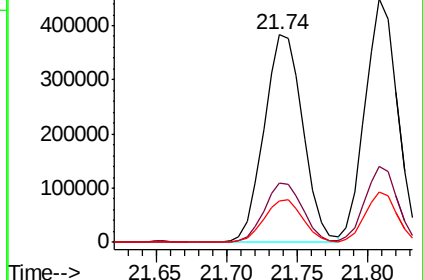
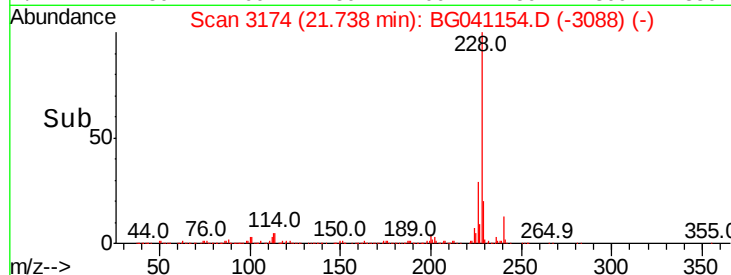
229 20.2 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 6.517 ng

RT: 21.66 min Scan# 3160

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

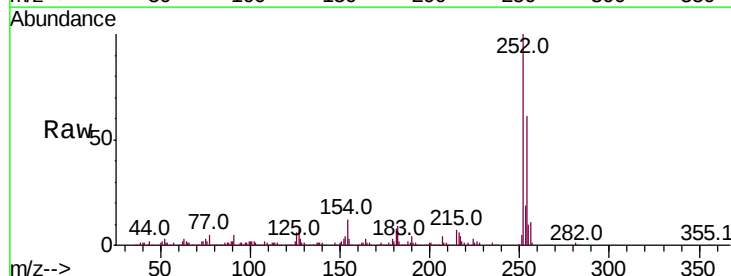
Tgt Ion:252 Resp: 184428

Ion Ratio Lower Upper

252 100

254 61.4 52.1 78.1

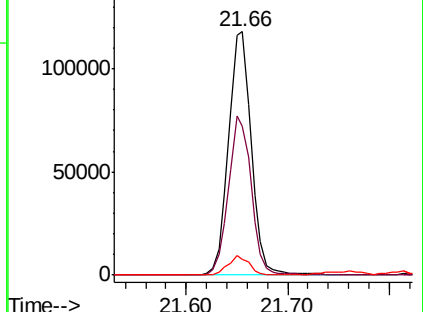
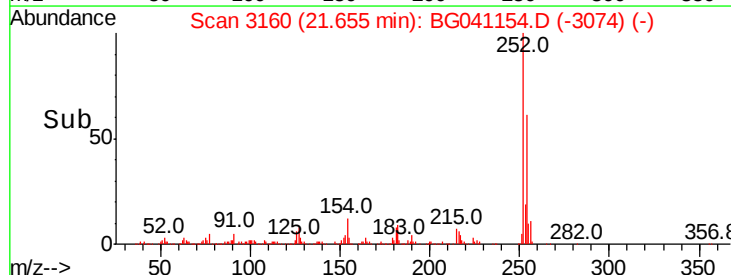
126 6.5 5.5 8.3

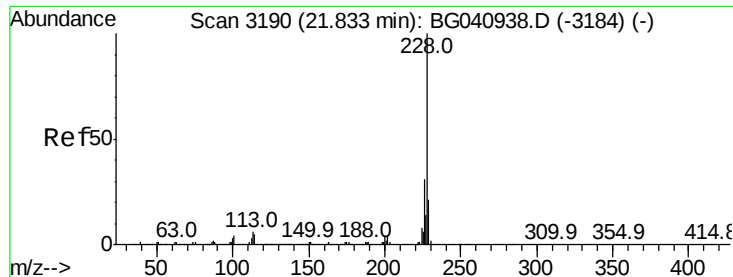


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 9.261 ng

RT: 21.81 min Scan# 3186

Delta R.T. -0.02 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

BNA_G

ClientSampleId :

SOILBS03

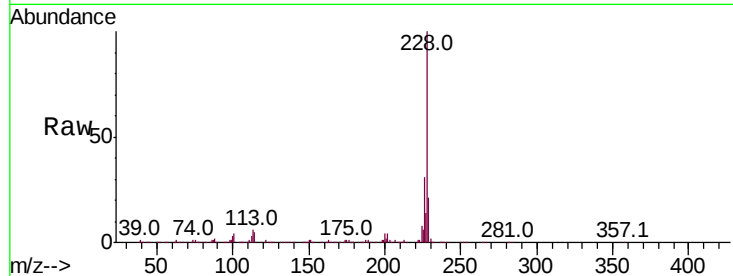
Tot Ion:228 Resp: 713018

Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

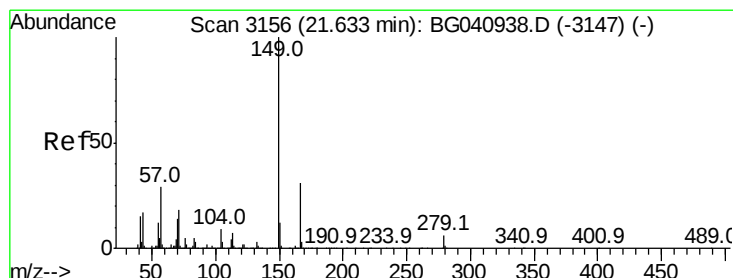
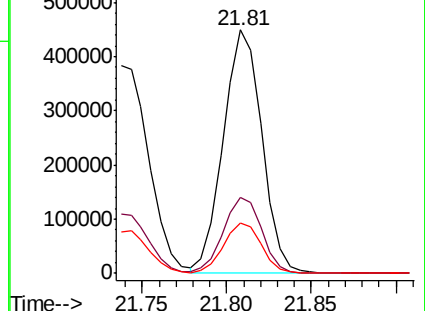
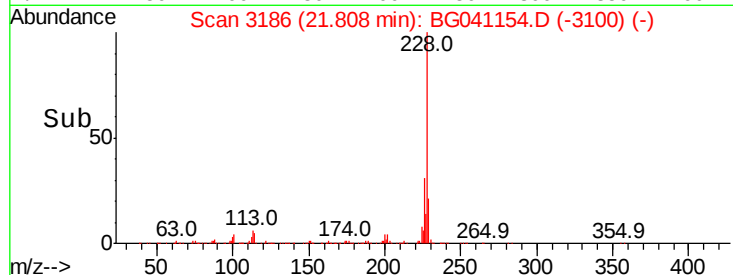
229 20.9 16.6 24.8



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: 9.128 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.03 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

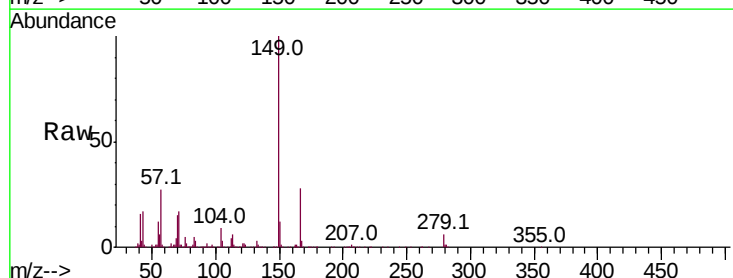
Tgt Ion:149 Resp: 392873

Ion Ratio Lower Upper

149 100

167 28.3 24.6 37.0

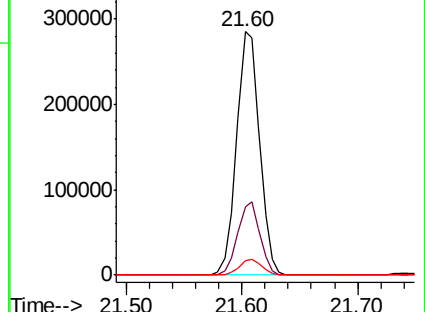
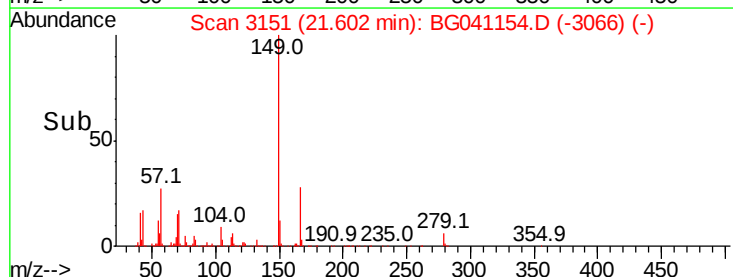
279 5.9 5.0 7.6

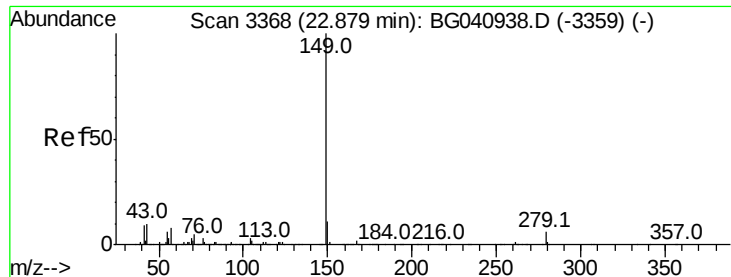


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

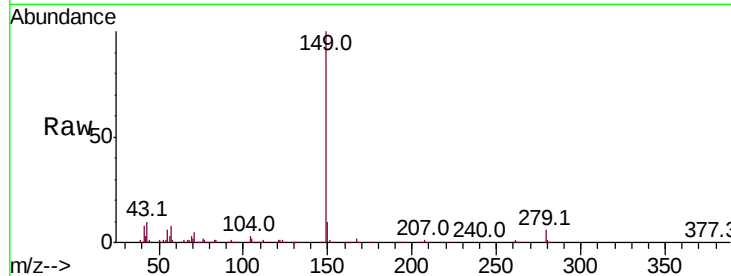




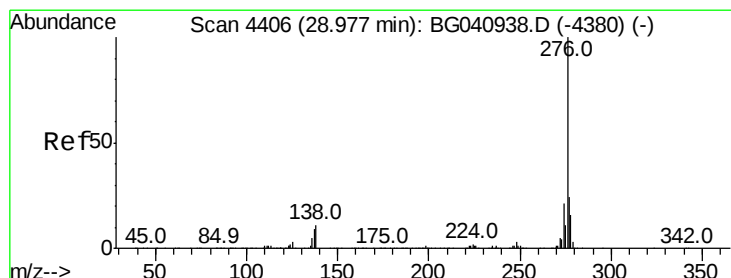
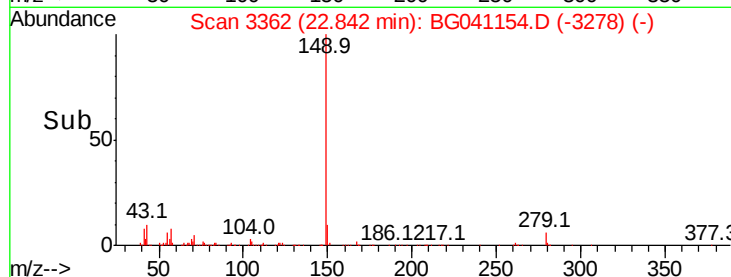
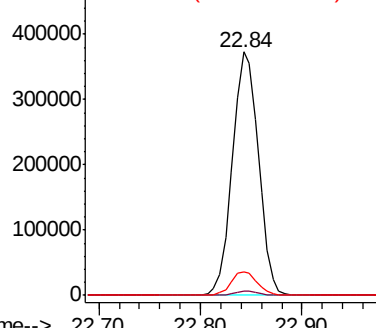
#85
Di-n-octyl phthalate
Concen: 9.282 ng
RT: 22.84 min Scan# 3362
Delta R.T. -0.04 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Instrument :
BNA_G
ClientSampleId :
SOILBS03

Tot Ion:149 Resp: 665391
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.0
43 9.7 8.1 12.1

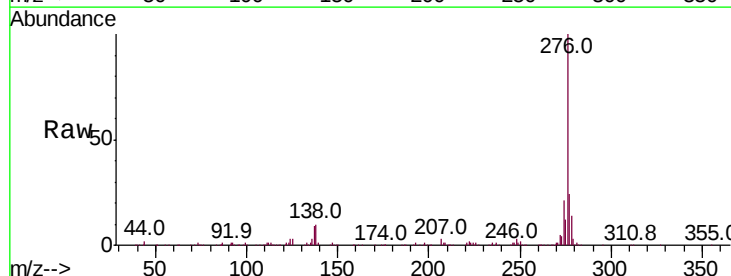


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

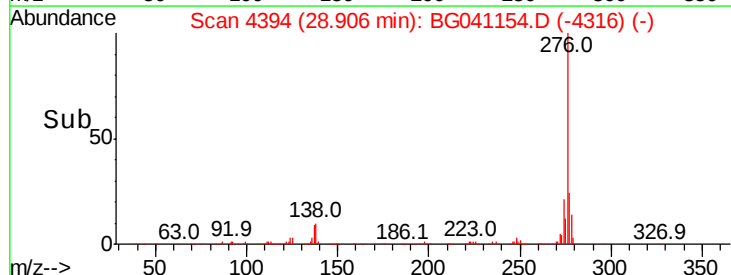
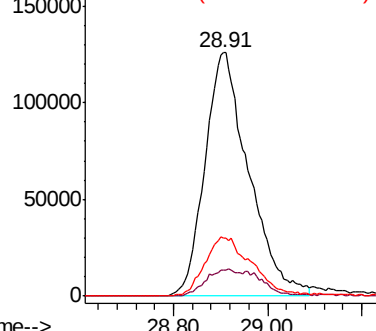


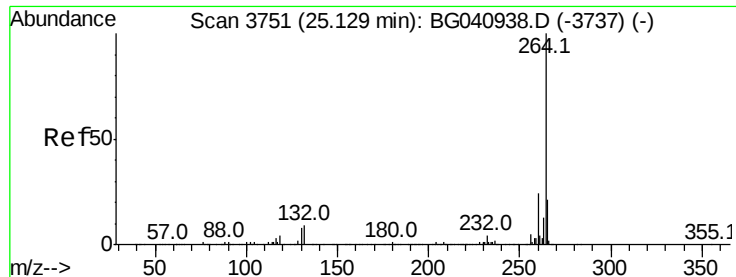
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.627 ng
RT: 28.91 min Scan# 4394
Delta R.T. -0.07 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion:276 Resp: 813670
Ion Ratio Lower Upper
276 100
138 8.6 5.7 8.5#
277 25.7 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3746

Delta R.T. -0.03 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

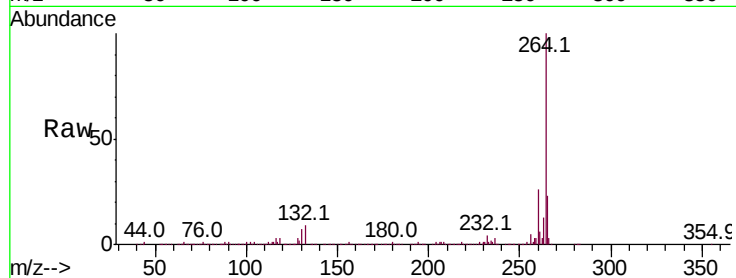
BNA_G

ClientSampleId :

SOILBS03

Tot Ion:264 Resp: 1359037

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.0	28.4
265	22.7	17.0	25.4



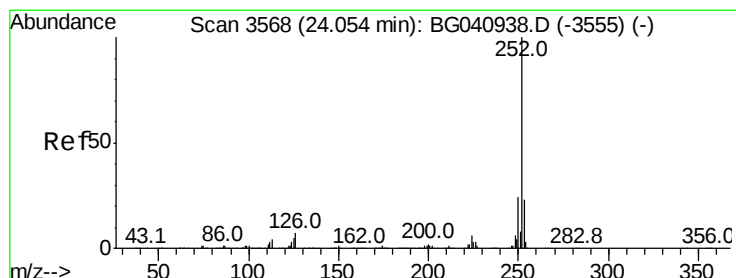
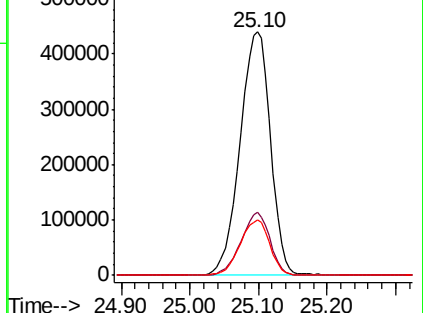
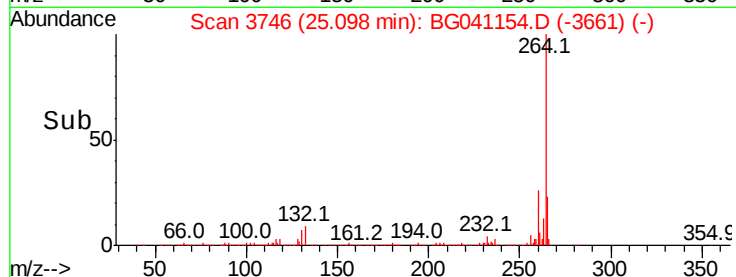
Abundance

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

Time-->



#88

Benzo(b)fluoranthene

Concen: 8.858 ng

RT: 24.02 min Scan# 3562

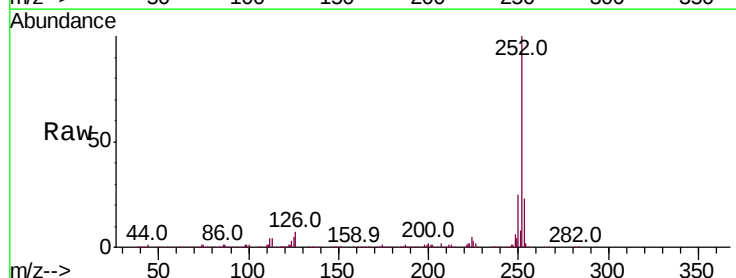
Delta R.T. -0.04 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Tgt Ion:252 Resp: 730196

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	5.1	4.3	6.5



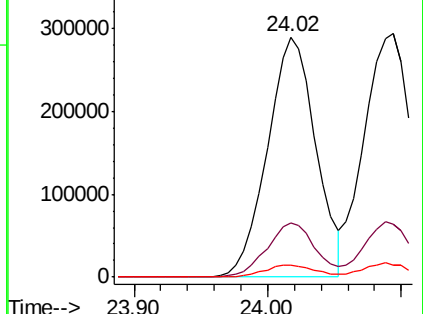
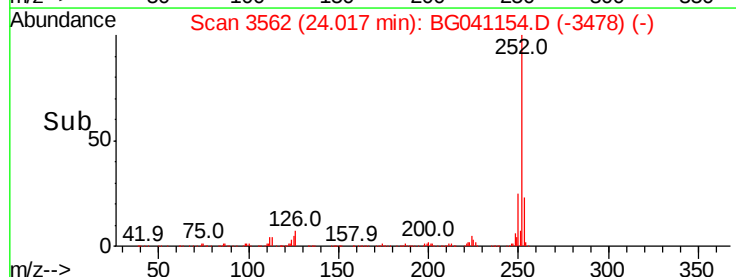
Abundance

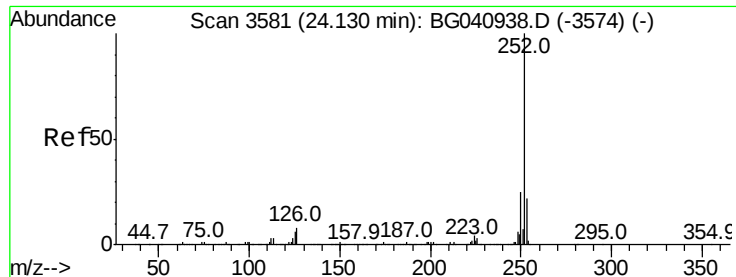
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

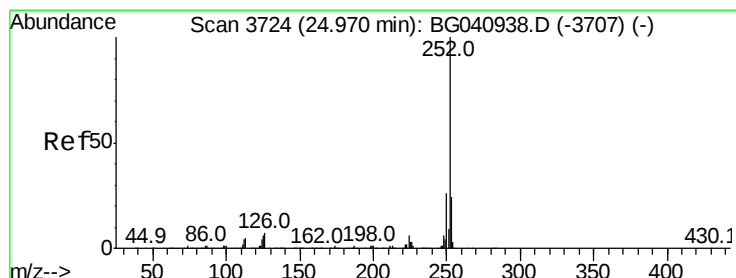
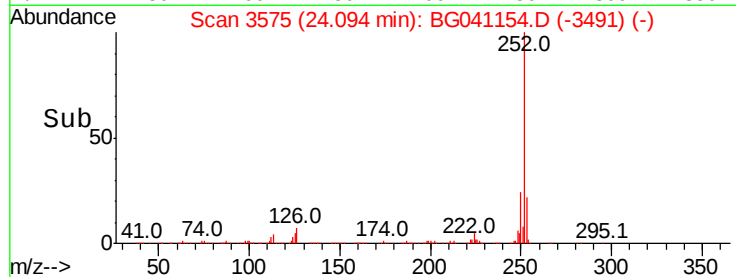
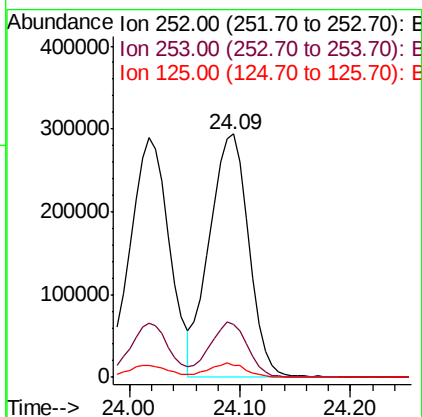
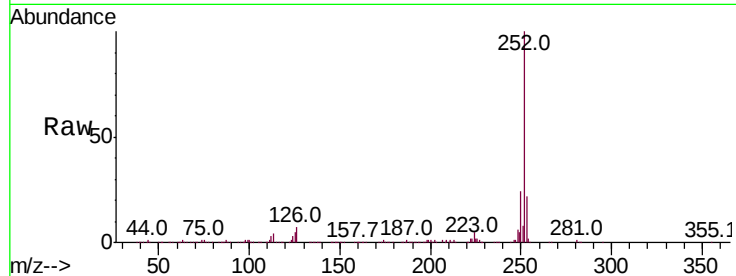




#89
Benzo(k)fluoranthene
Concen: 8.869 ng
RT: 24.09 min Scan# 3575
Delta R.T. -0.04 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

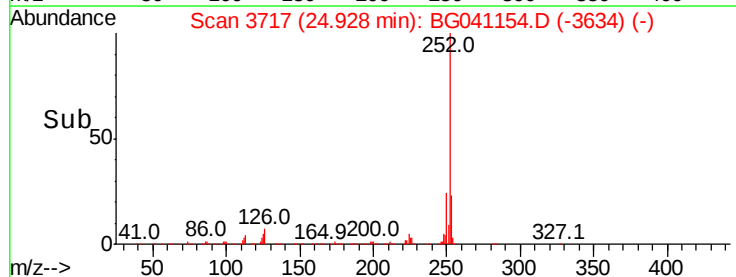
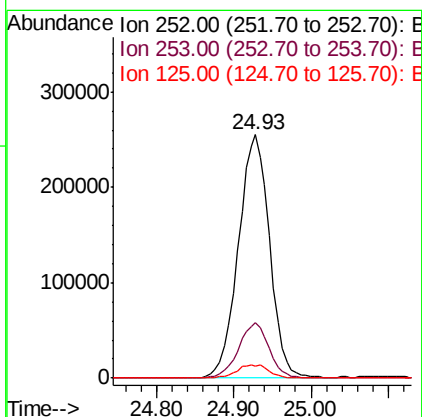
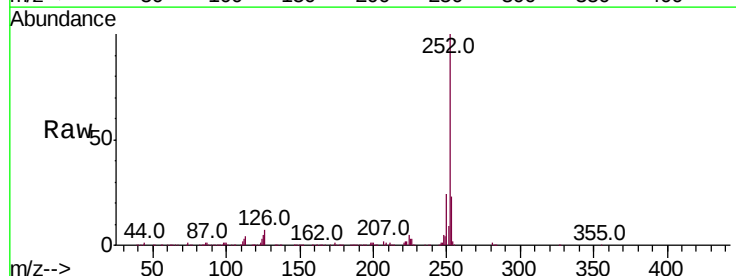
Instrument :
BNA_G
ClientSampleId :
SOILBS03

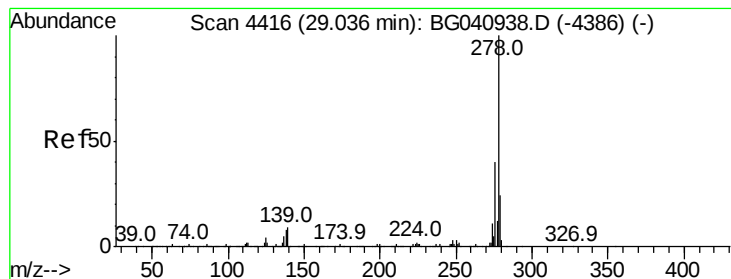
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	5.1	4.7	7.1



#90
Benzo(a)pyrene
Concen: 9.183 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.04 min
Lab File: BG041154.D
Acq: 9 Jun 2019 5:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.5	29.3
125	5.1	5.1	7.7





#91

Dibenzo(a,h)anthracene

Concen: 8.863 ng

RT: 28.96 min Scan# 4404

Delta R.T. -0.07 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Instrument :

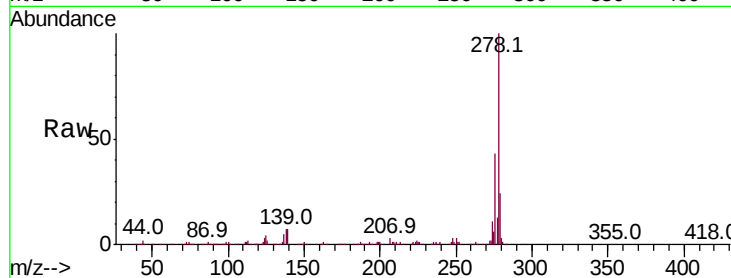
BNA_G

ClientSampleId :

SOILBS03

Tot Ion:278 Resp: 696439

Ion	Ratio	Lower	Upper
278	100		
139	7.4	7.1	10.7
279	24.1	19.4	29.2

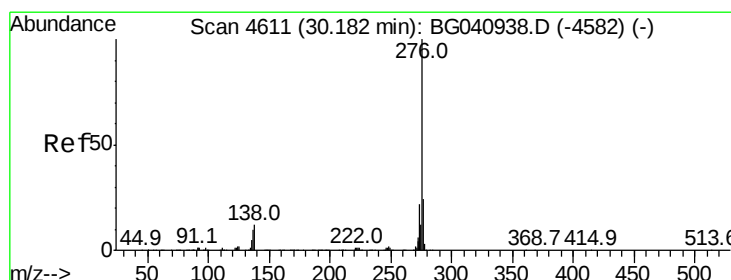
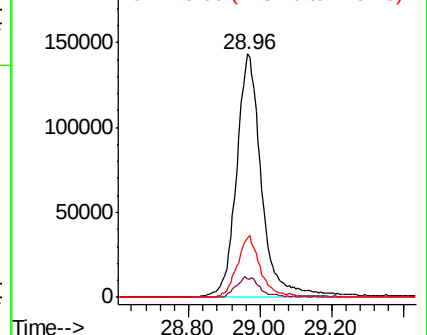
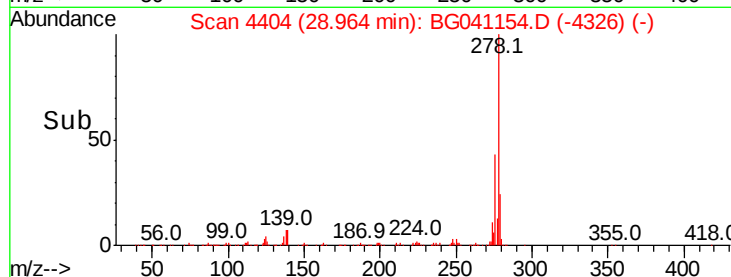


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.619 ng

RT: 30.10 min Scan# 4598

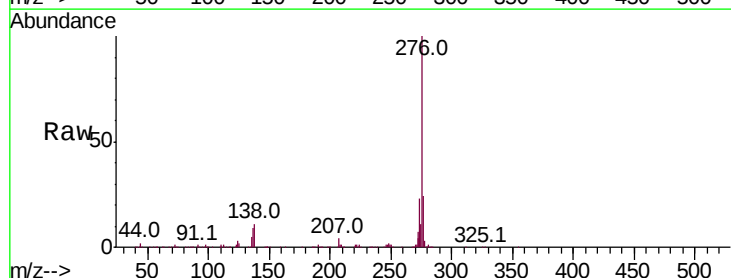
Delta R.T. -0.08 min

Lab File: BG041154.D

Acq: 9 Jun 2019 5:25

Tgt Ion:276 Resp: 658026

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.0
138	11.3	9.7	14.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

