

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062019\
 Data File : BG041357.D
 Acq On : 20 Jun 2019 15:11
 Operator : HP/JU
 Sample : K3157-09 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 16:34:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	44114	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	172351	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	112582	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	255950	20.00	ng	0.00
76) Chrysene-d12	21.74	240	260257	20.00	ng	0.00
87) Perylene-d12	25.07	264	222363	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	121964	50.80	ng	0.00
7) Phenol-d6	7.23	99	175803	50.52	ng	0.00
23) Nitrobenzene-d5	9.26	82	129160	31.52	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	81321	47.05	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	267194	32.26	ng	0.00
79) Terphenyl-d14	20.06	244	397529	30.27	ng	0.00

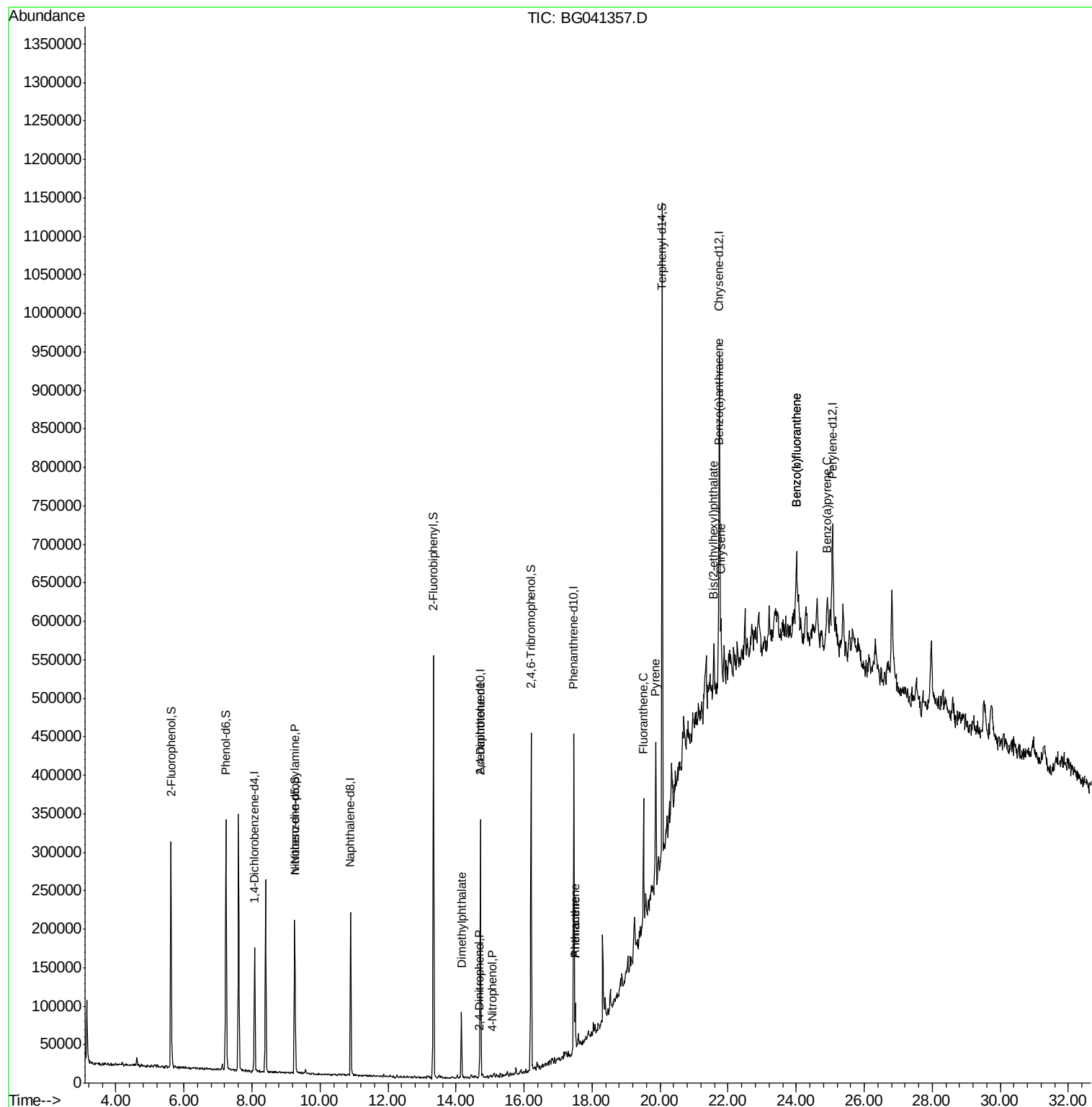
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.26	70	18170	6.455	ng	# 82
50) Dimethylphthalate	14.16	163	53100	5.301	ng	# 96
54) 2,4-Dinitrophenol	14.67	184	70	4.889	ng	# 13
56) 4-Nitrophenol	15.07	139	58	3.251	ng	# 40
57) 2,4-Dinitrotoluene	14.72	165	14801	4.794	ng	# 22
71) Phenanthrene	17.50	178	38882	2.848	ng	100
72) Anthracene	17.50	178	38882	2.889	ng	99
75) Fluoranthene	19.51	202	112273	6.191	ng	99
78) Pyrene	19.87	202	121269	6.909	ng	96
81) Benzo(a)anthracene	21.72	228	69792	3.961	ng	94
83) Chrysene	21.78	228	69968	4.129	ng	# 90
84) Bis(2-ethylhexyl)phthalate	21.58	149	25520	2.821	ng	# 94
88) Benzo(b)fluoranthene	24.01	252	113483	8.235	ng	# 62
89) Benzo(k)fluoranthene	24.01	252	113483	8.313	ng	# 64
90) Benzo(a)pyrene	24.90	252	51275	3.940	ng	# 76

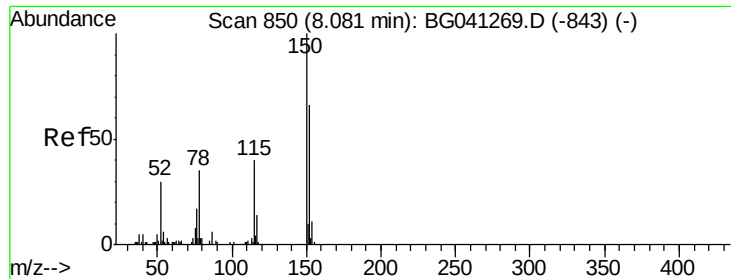
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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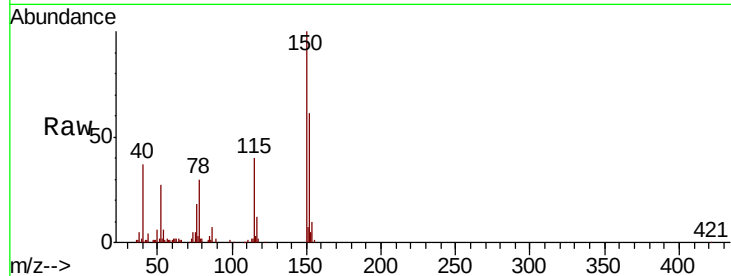


#1

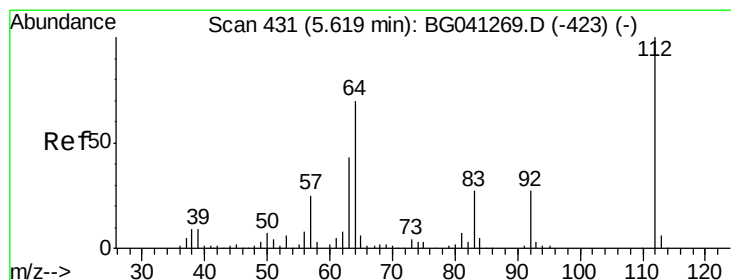
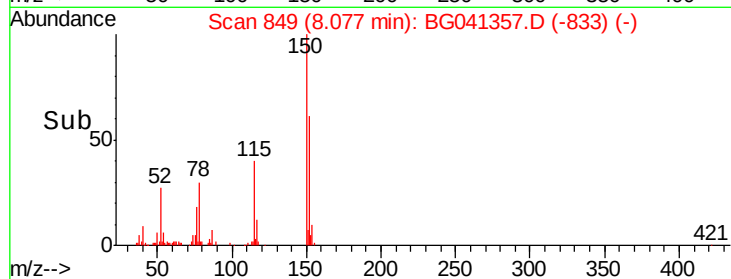
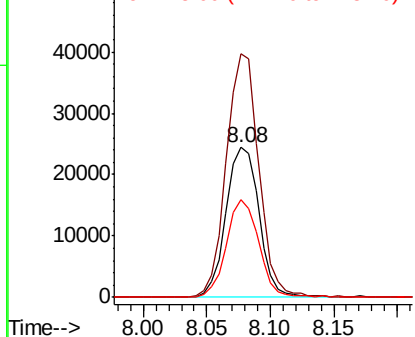
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 44114
Ion Ratio Lower Upper
152 100
150 162.6 120.6 181.0
115 65.6 47.9 71.9



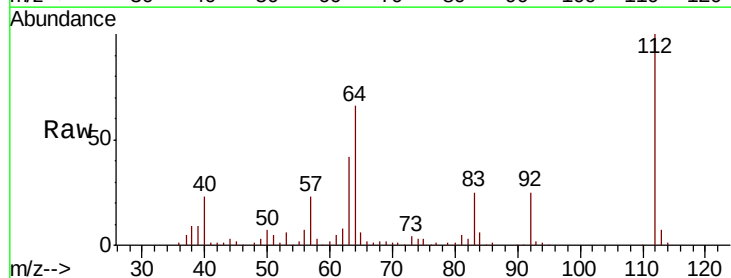
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



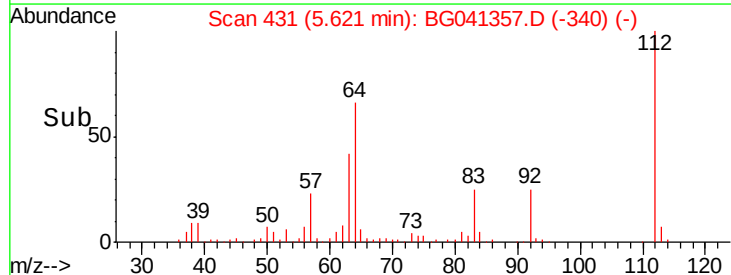
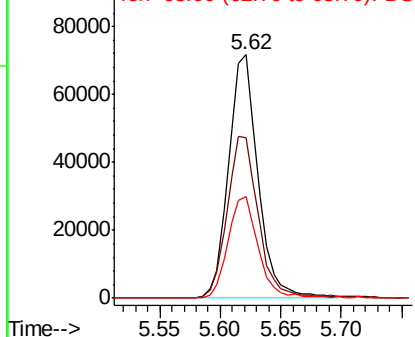
#5

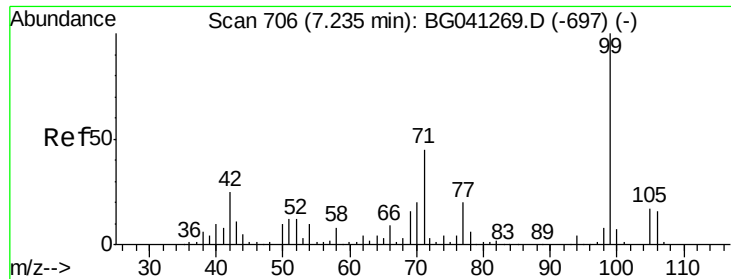
2-Fluorophenol
Concen: 50.800 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Tgt Ion:112 Resp: 121964
Ion Ratio Lower Upper
112 100
64 65.7 55.9 83.9
63 41.6 34.6 51.8



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





#7

Phenol-d6

Concen: 50.517 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

Instrument :

BNA_G

ClientSampleId :

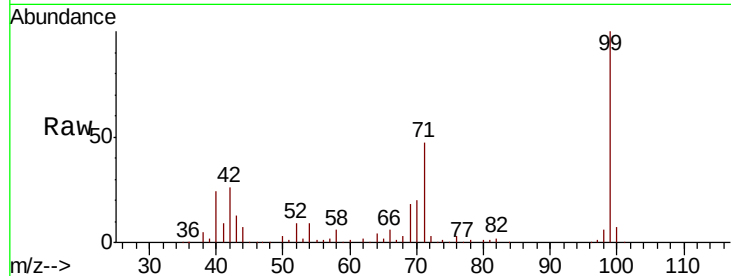
Tot Ion: 99 Resp: 175803

Ion Ratio Lower Upper

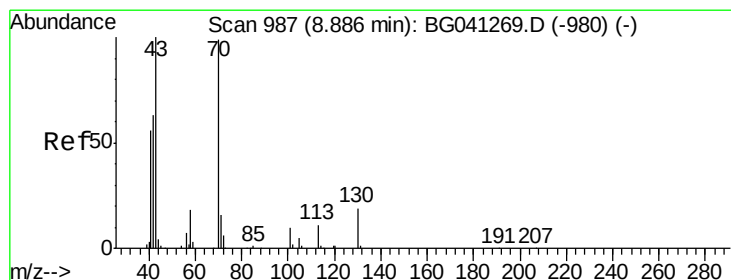
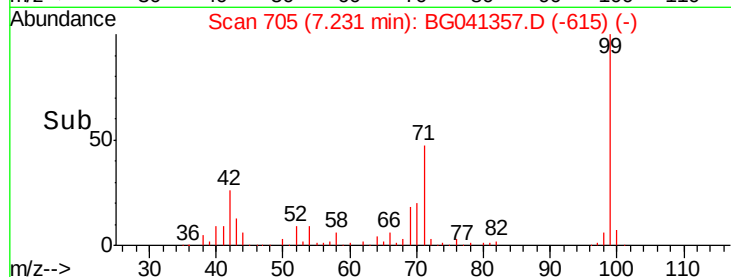
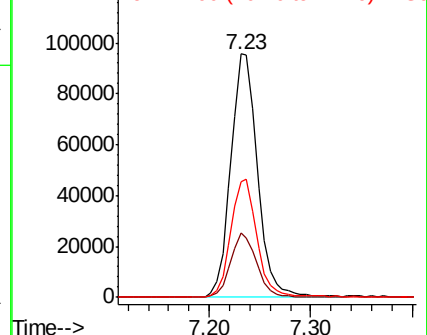
99 100

42 26.4 19.9 29.9

71 47.4 36.4 54.6



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 6.455 ng

RT: 9.26 min Scan# 1050

Delta R.T. 0.37 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

Tgt Ion: 70 Resp: 18170

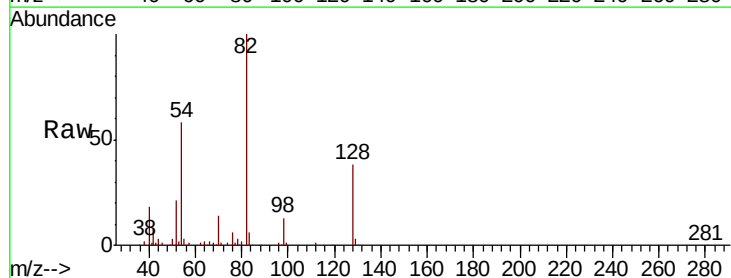
Ion Ratio Lower Upper

70 100

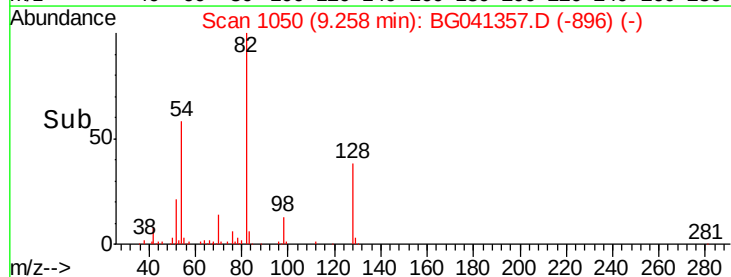
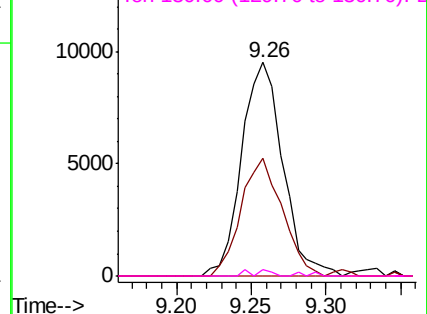
42 55.0 51.4 77.2

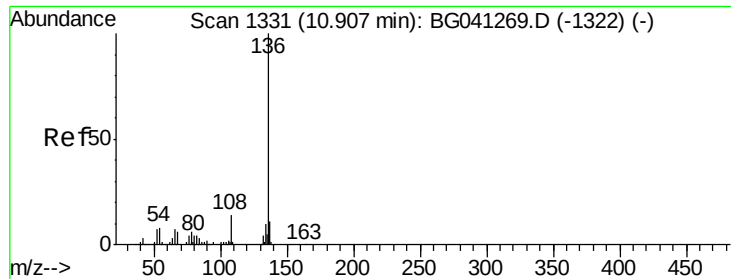
101 0.0 8.2 12.2#

130 3.1 15.2 22.8#



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

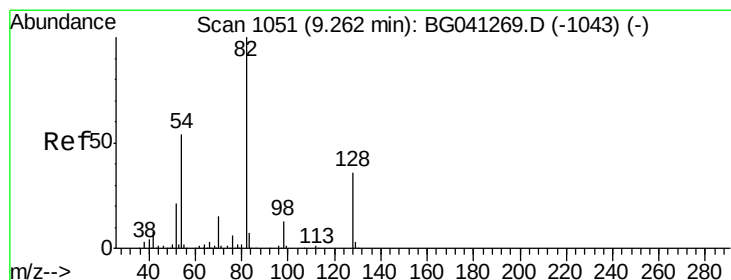
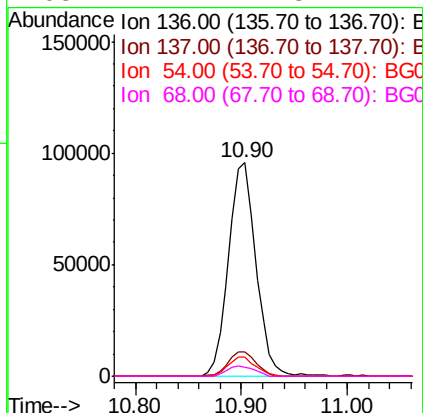
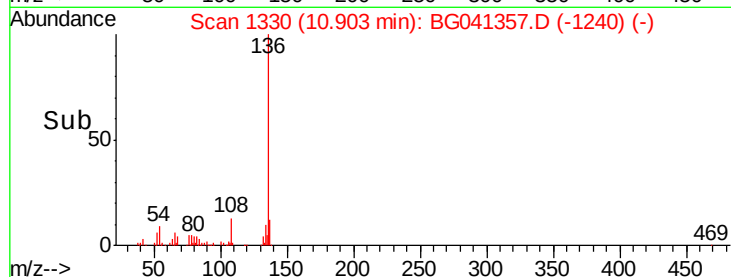
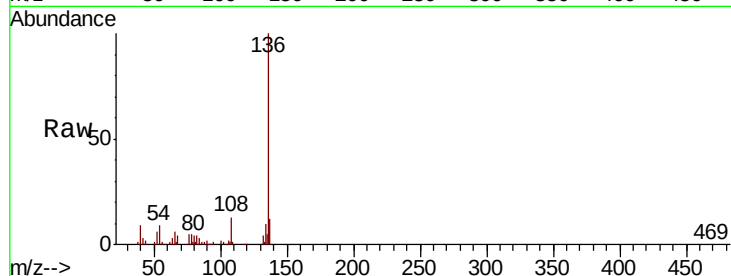




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

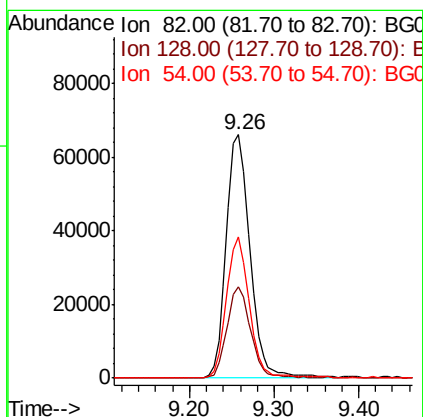
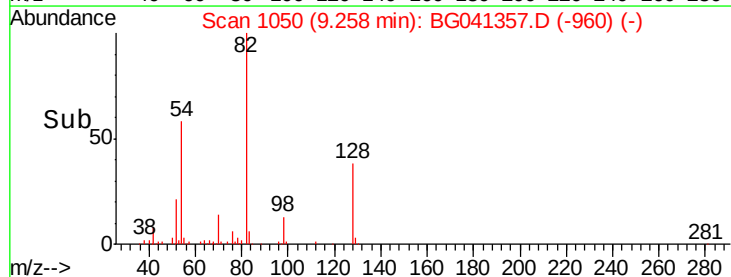
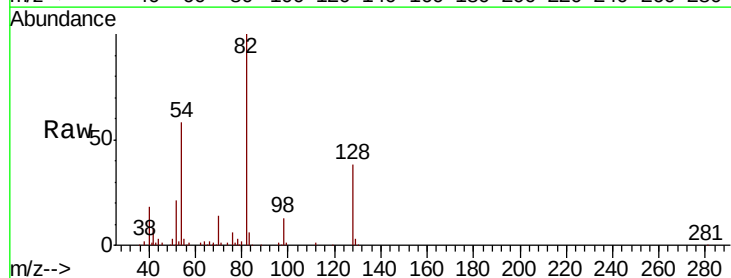
Instrument :
BNA_G
ClientSampleId :

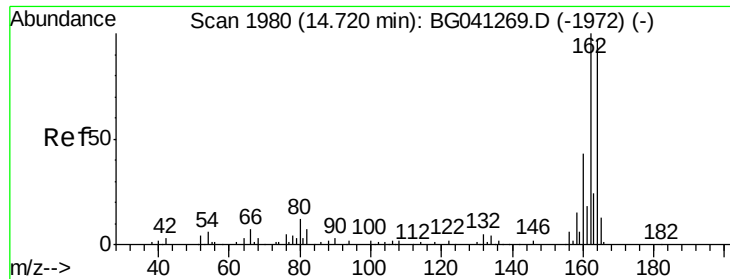
Tot Ion:136	Resp:	172351
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.8 13.2
54	9.0	6.4 9.6
68	4.1	4.8 7.2#



#23
Nitrobenzene-d5
Concen: 31.517 ng
RT: 9.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Tgt Ion: 82	Resp:	129160
Ion Ratio	Lower	Upper
82	100	
128	37.5	29.2 43.8
54	58.1	43.4 65.0

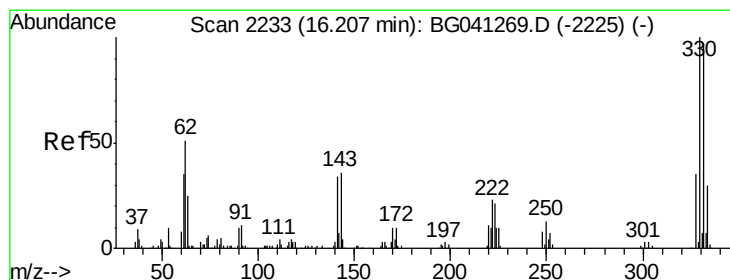
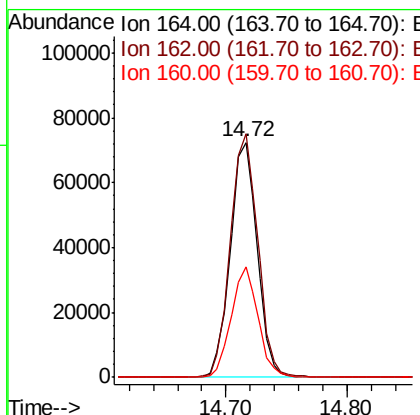
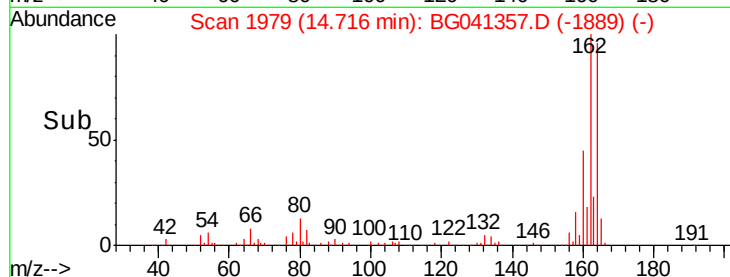
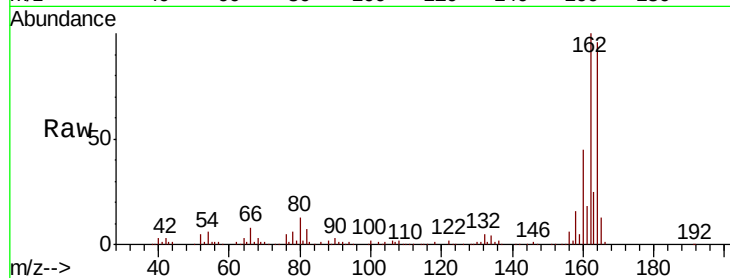




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

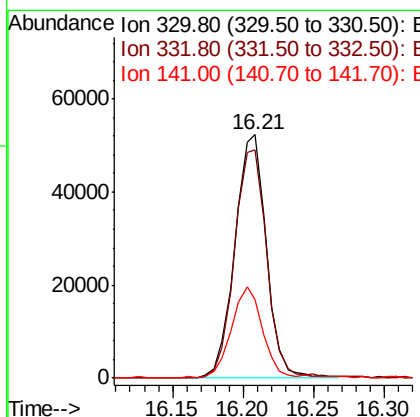
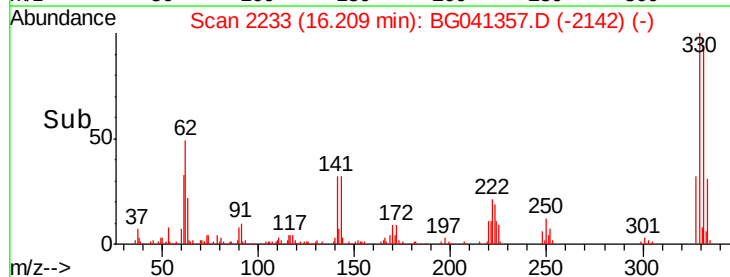
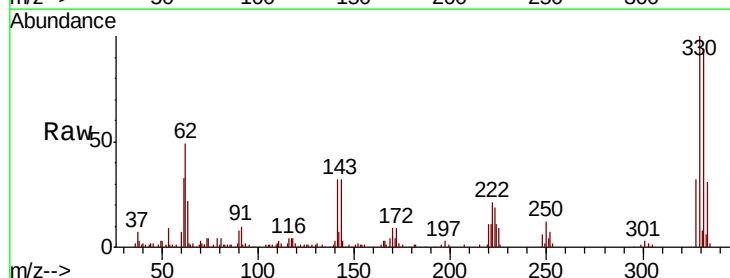
Instrument :
BNA_G
ClientSampled :

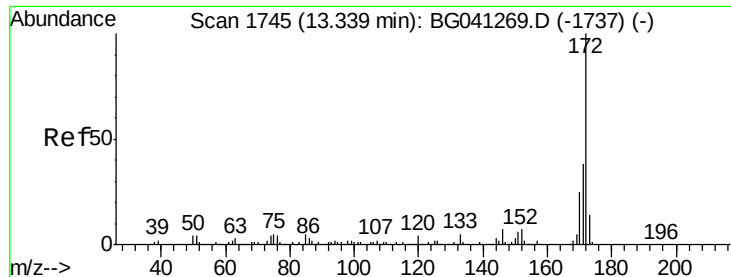
Tot Ion:164 Resp: 112582
Ion Ratio Lower Upper
164 100
162 103.7 82.8 124.2
160 47.0 35.8 53.8



#42
2,4,6-Tribromophenol
Concen: 47.050 ng
RT: 16.21 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Tgt Ion:330 Resp: 81321
Ion Ratio Lower Upper
330 100
332 96.3 75.5 113.3
141 37.5 29.0 43.4

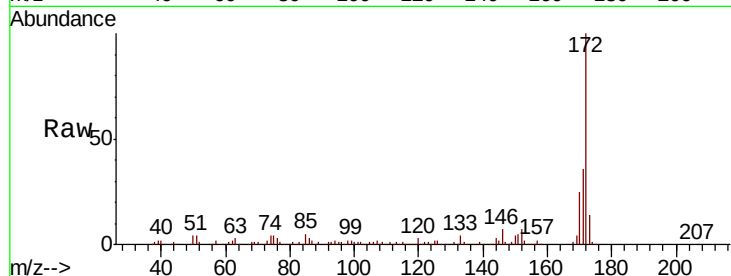




#45
2-Fluorobiphenyl
Concen: 32.257 ng
RT: 13.34 min Scan# 1744
Delta R.T. -0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.0	45.0
170	25.1	19.8	29.6

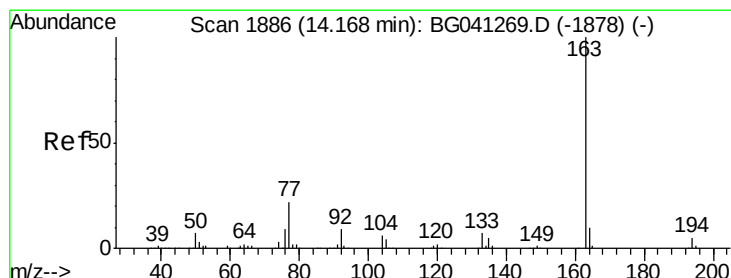
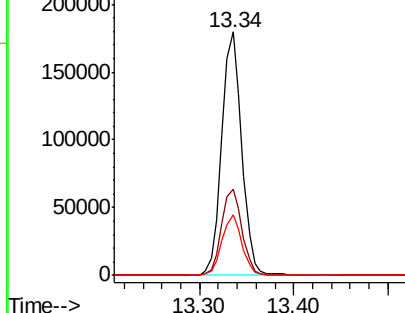
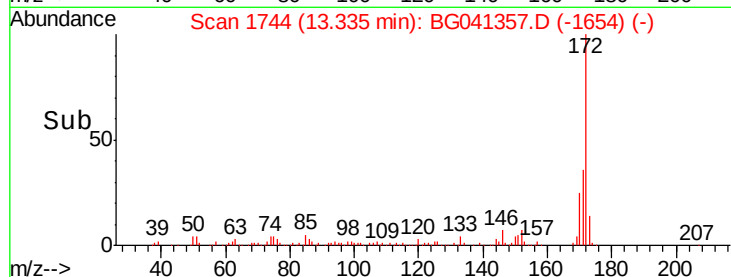


Abundance

Ion 172.00 (171.70 to 172.70): E

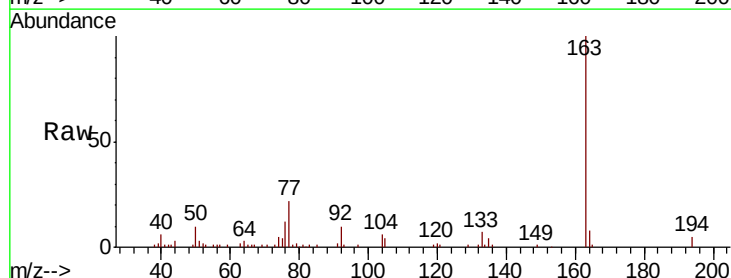
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.301 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.9	5.9
164	8.2	8.3	12.5#

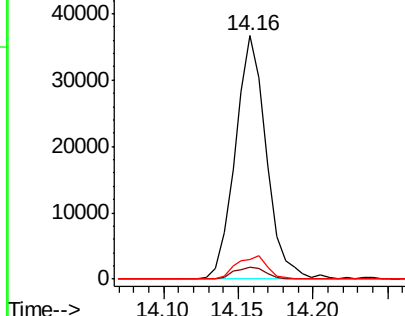
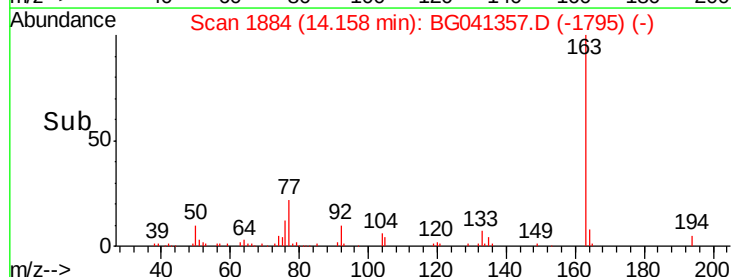


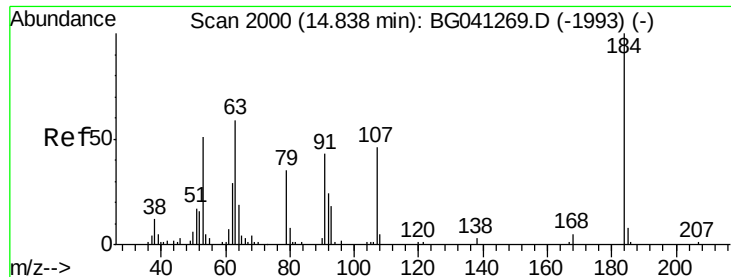
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

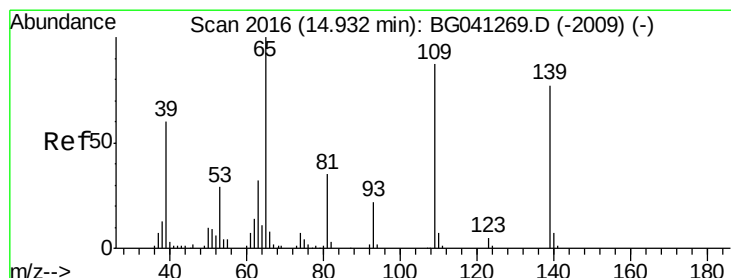
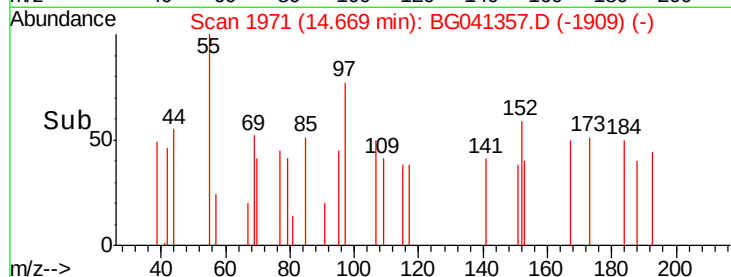
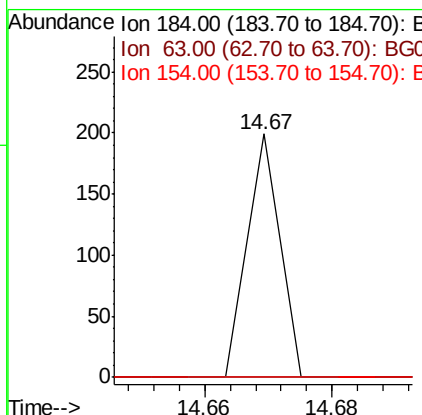
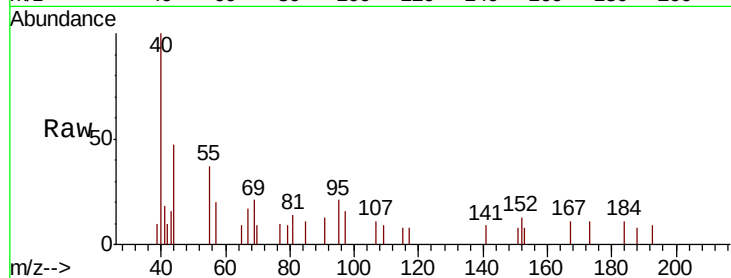




#54
 2,4-Dinitrophenol
 Concen: 4.889 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.17 min
 Lab File: BG041357.D
 Acq: 20 Jun 2019 15:11

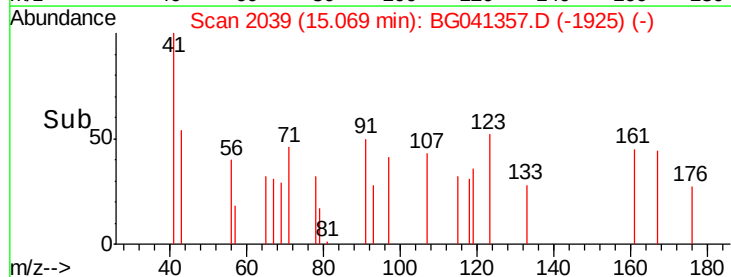
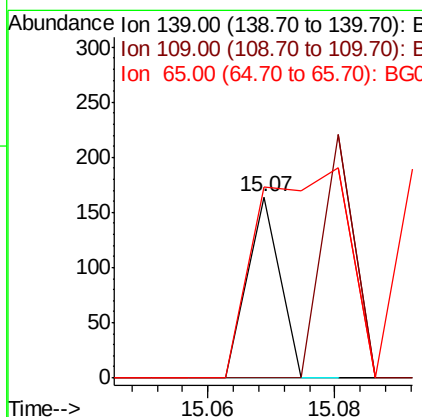
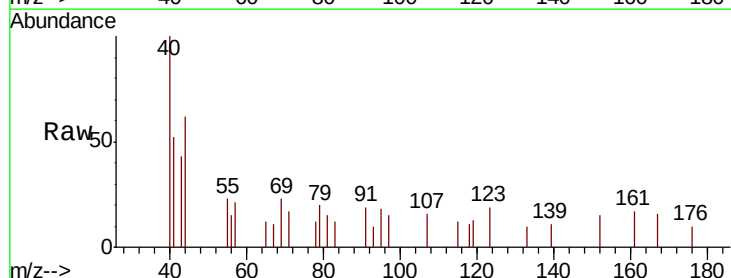
Instrument :
 BNA_G
 ClientSampled :

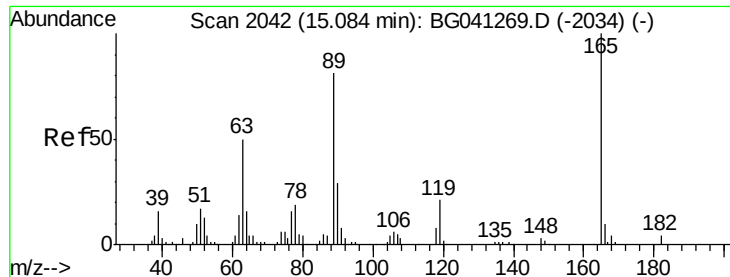
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	60.0	90.0#
154	0.0	58.3	87.5#



#56
 4-Nitrophenol
 Concen: 3.251 ng
 RT: 15.07 min Scan# 2039
 Delta R.T. 0.14 min
 Lab File: BG041357.D
 Acq: 20 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	105.5	110.2	150.2#





#57

2,4-Dinitrotoluene

Concen: 4.794 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 14801

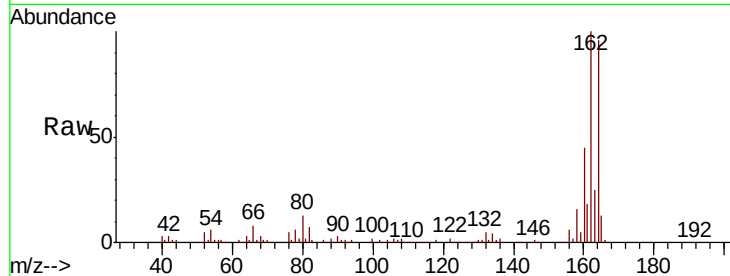
Ion Ratio Lower Upper

165 100

63 2.0 40.0 60.0#

89 3.6 64.6 96.8#

182 0.0 2.9 4.3#

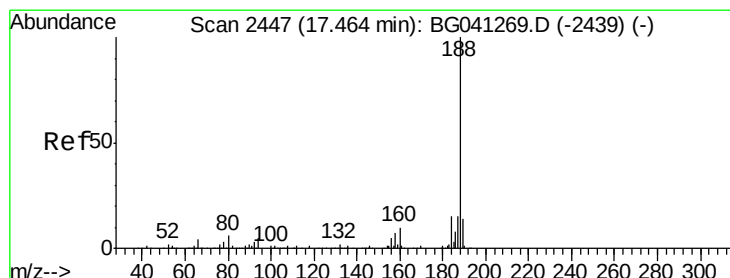
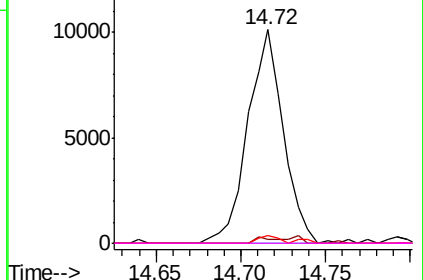
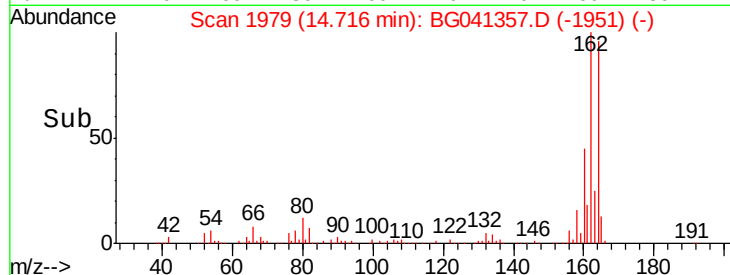


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

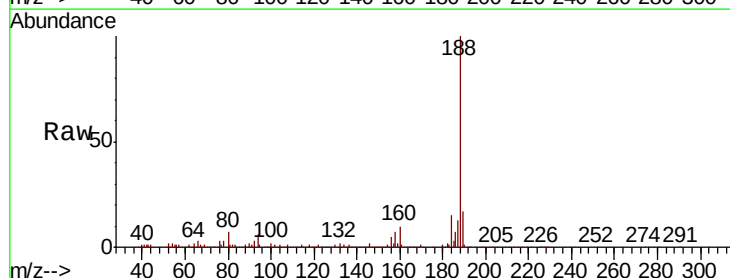
Tgt Ion:188 Resp: 255950

Ion Ratio Lower Upper

188 100

94 6.3 3.6 5.4#

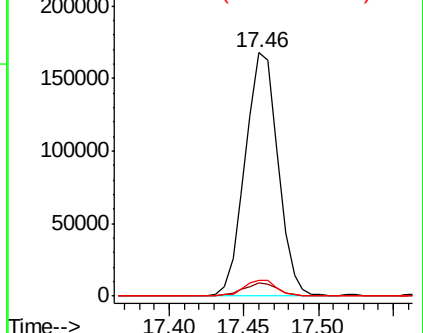
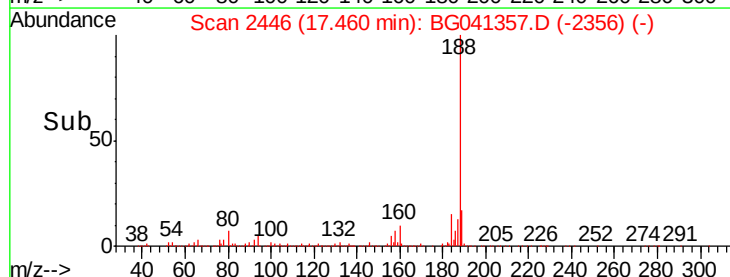
80 6.6 4.8 7.2

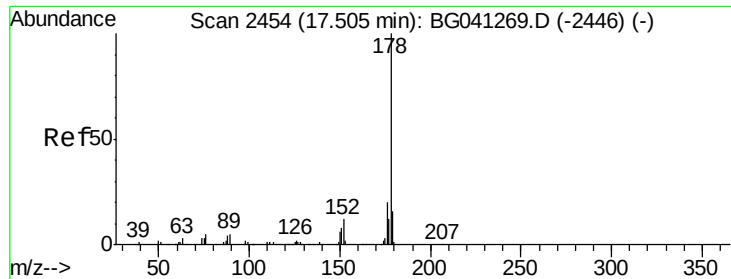


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

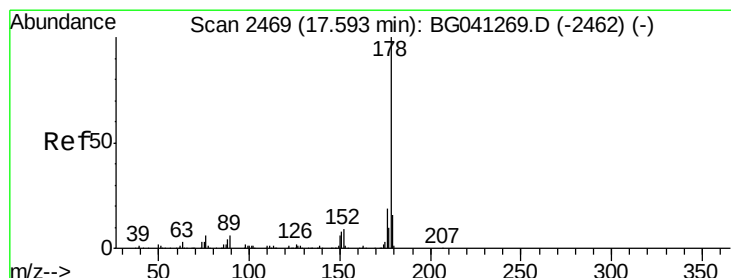
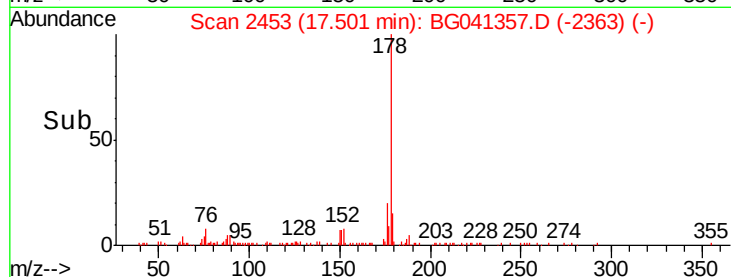
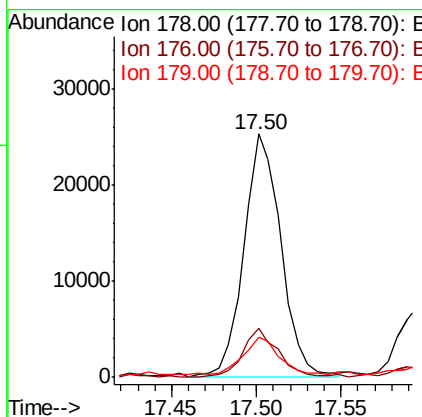
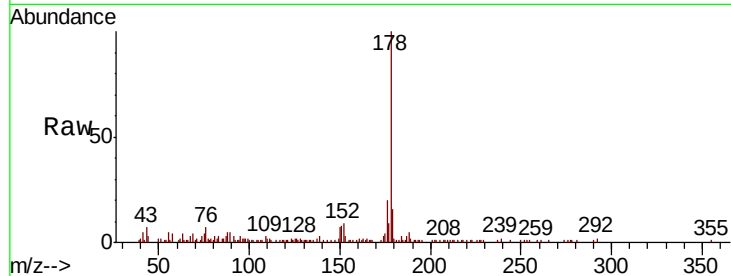




#71
Phenanthrene
Concen: 2.848 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

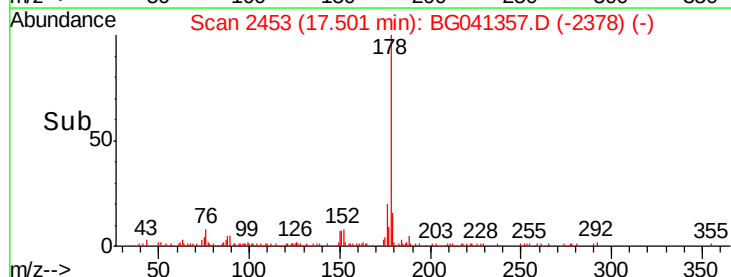
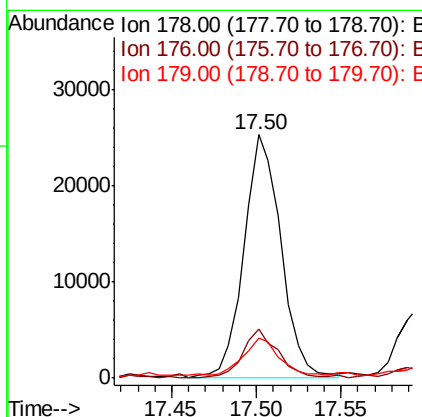
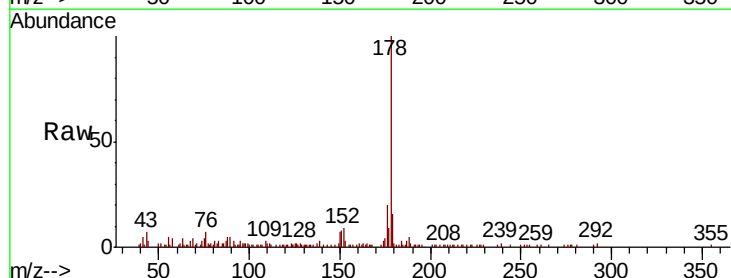
Instrument :
BNA_G
ClientSampleId :

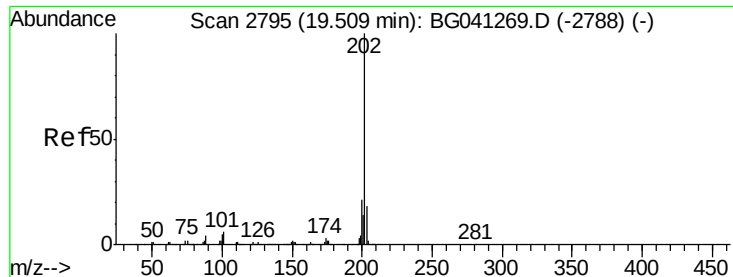
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.1	24.1
179	16.4	12.9	19.3



#72
Anthracene
Concen: 2.889 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.09 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	16.4	13.0	19.4





#75

Fluoranthene

Concen: 6.191 ng

RT: 19.51 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

Instrument :

BNA_G

ClientSampleId :

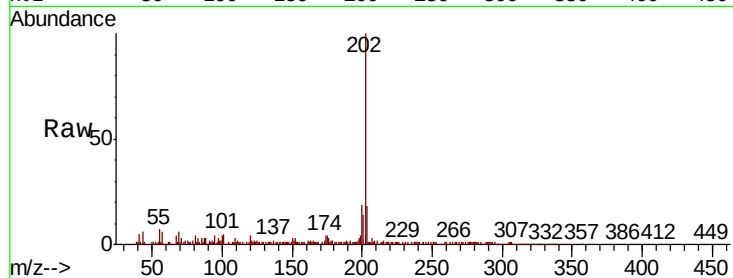
Tot Ion:202 Resp: 112273

Ion Ratio Lower Upper

202 100

101 5.0 0.0 26.0

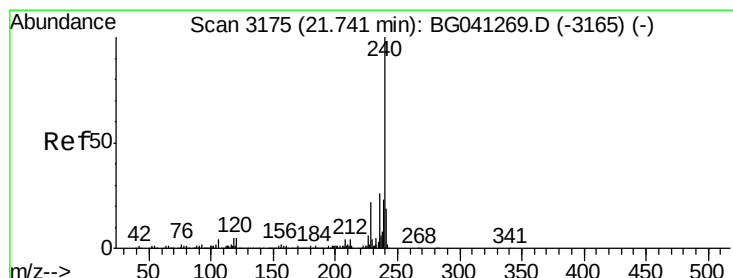
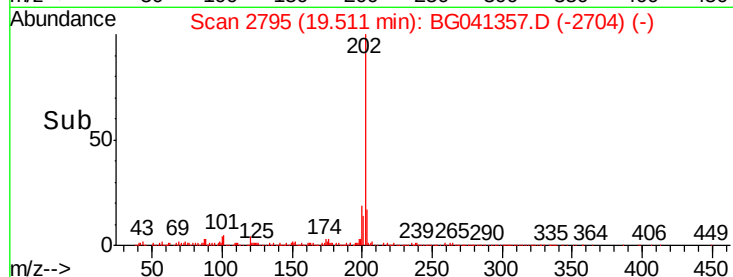
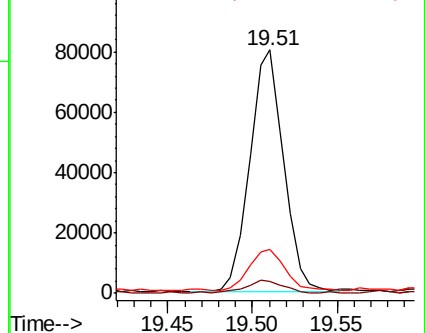
203 17.9 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

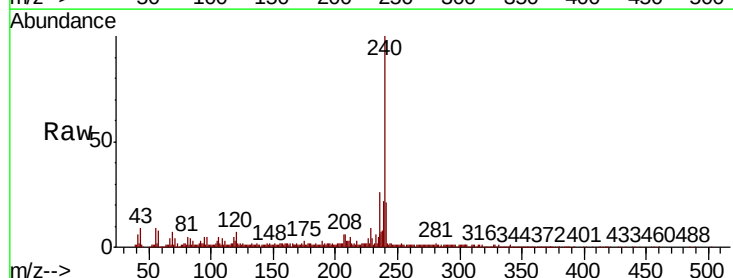
Tgt Ion:240 Resp: 260257

Ion Ratio Lower Upper

240 100

120 6.7 3.7 5.5#

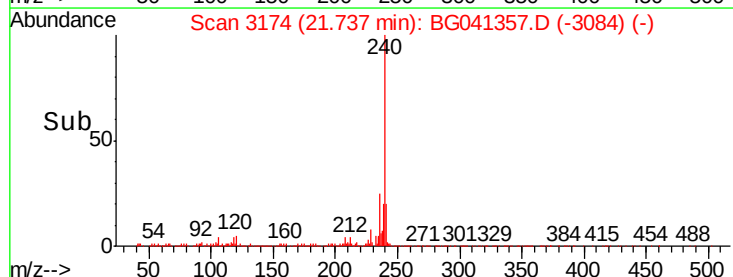
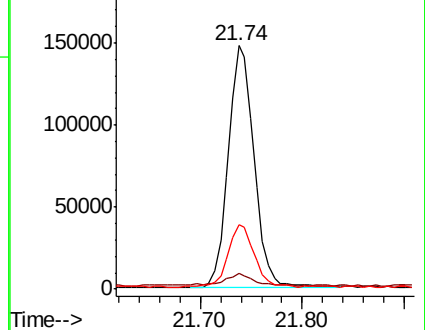
236 26.5 21.1 31.7

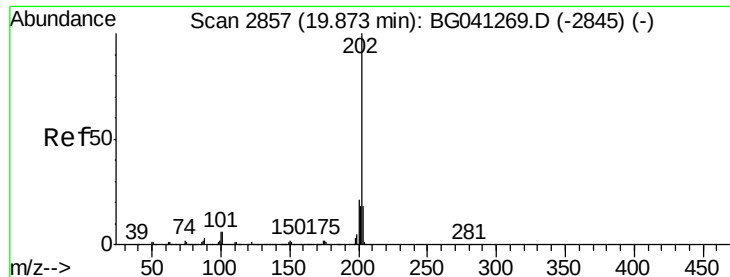


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

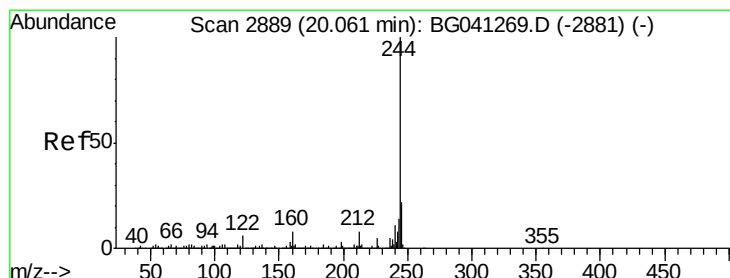
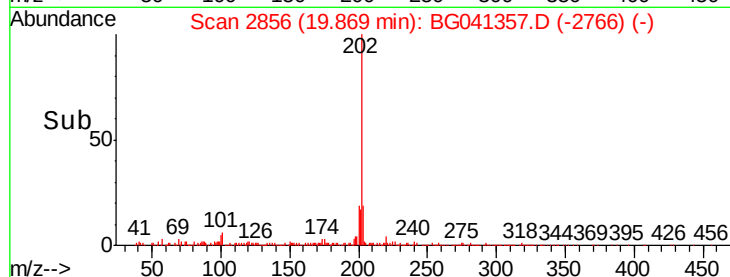
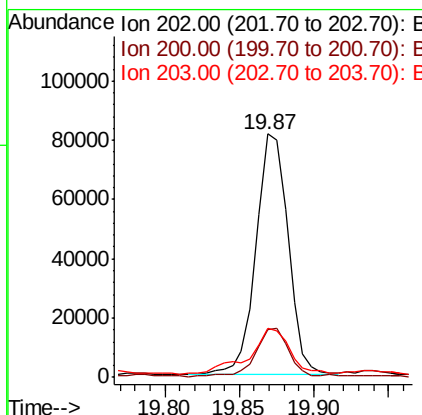
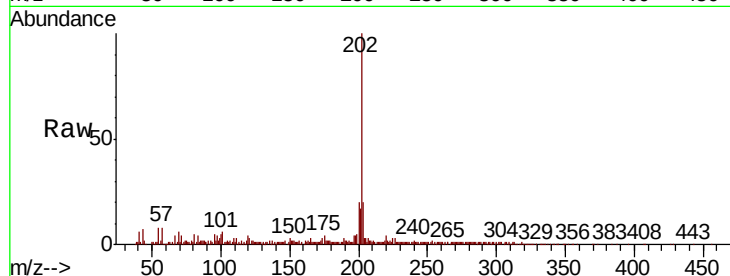




#78
Pvrene
Concen: 6.909 ng
RT: 19.87 min Scan# 2856
Delta R.T. -0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

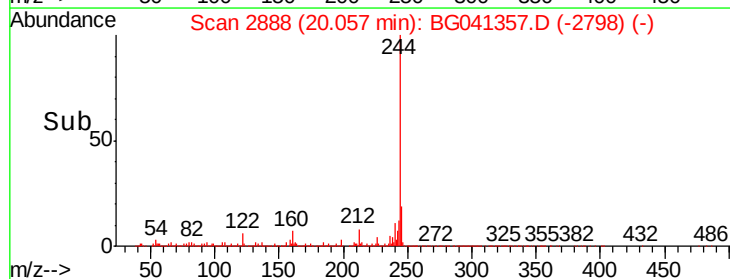
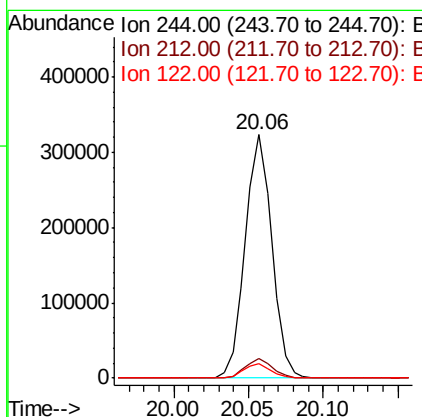
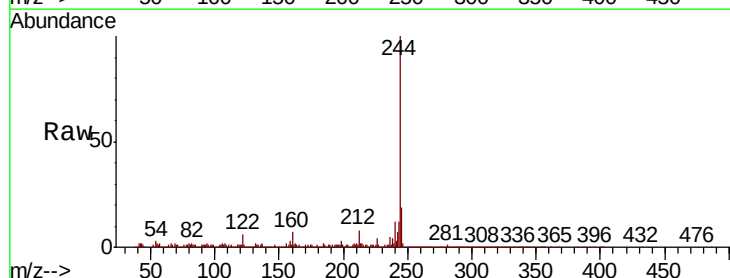
Instrument :
BNA_G
ClientSampleId :

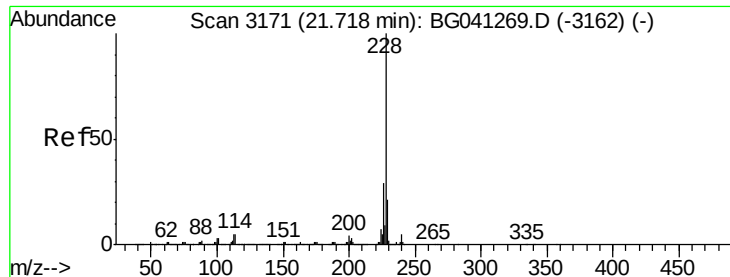
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.8	25.2
203	20.1	14.6	21.8



#79
Terphenyl-d14
Concen: 30.271 ng
RT: 20.06 min Scan# 2888
Delta R.T. -0.00 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.6	10.0
122	5.8	5.0	7.4





#81

Benzo(a)anthracene

Concen: 3.961 ng

RT: 21.72 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

Instrument :

BNA_G

ClientSampleId :

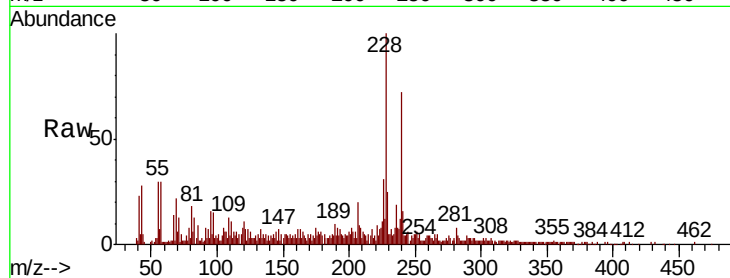
Tot Ion:228 Resp: 69792

Ion Ratio Lower Upper

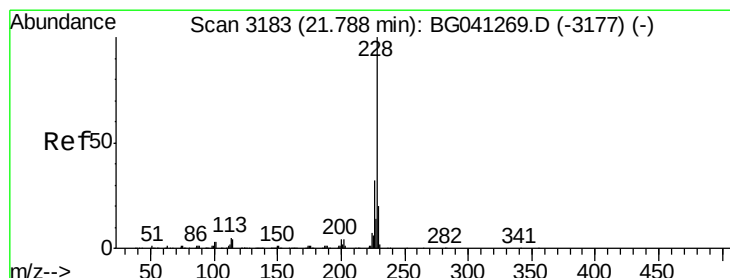
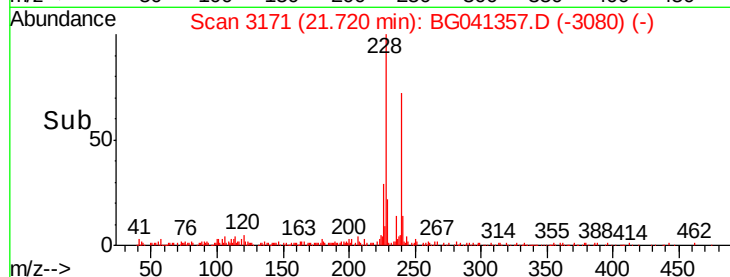
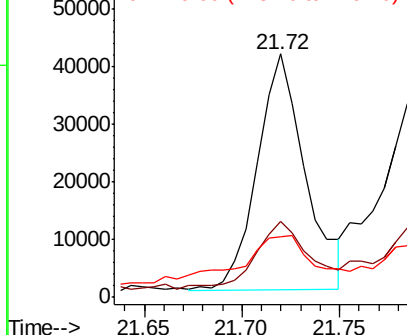
228 100

226 31.1 23.2 34.8

229 25.0 16.8 25.2



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



#83

Chrysene

Concen: 4.129 ng

RT: 21.78 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

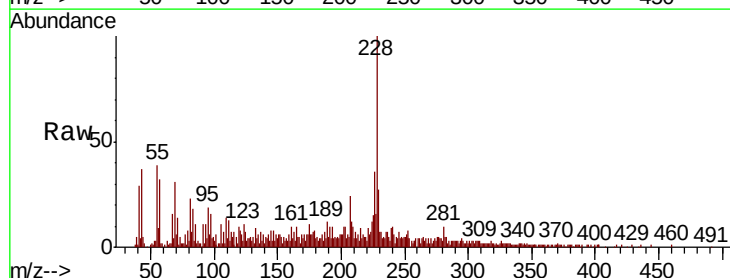
Tgt Ion:228 Resp: 69968

Ion Ratio Lower Upper

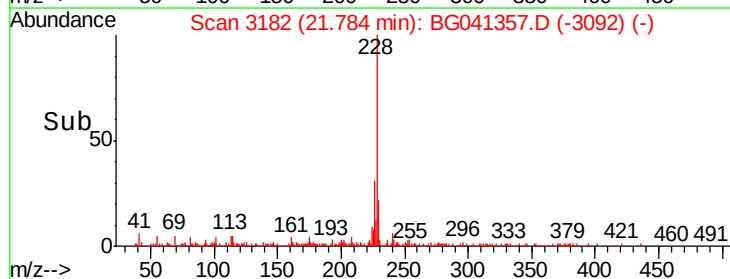
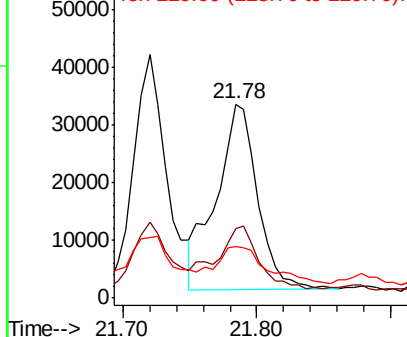
228 100

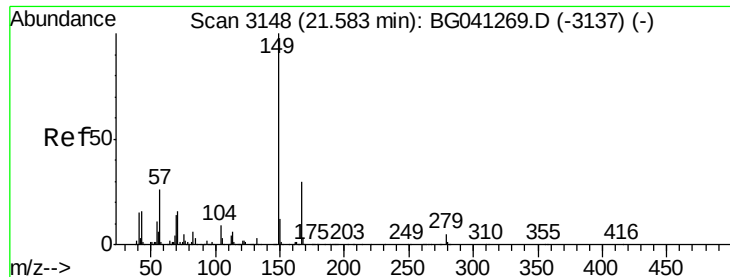
226 35.6 25.4 38.0

229 26.8 16.2 24.2#



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.821 ng

RT: 21.58 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

Instrument :

BNA_G

ClientSampled :

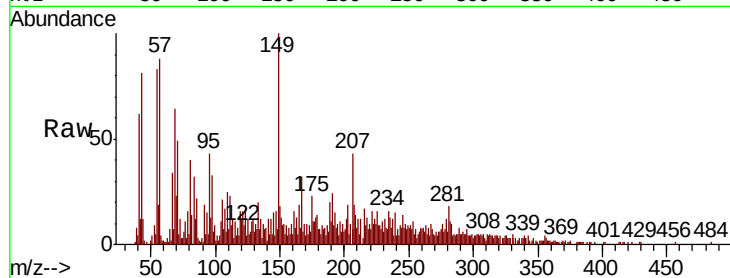
Tot Ion:149 Resp: 25520

Ion Ratio Lower Upper

149 100

167 32.0 23.8 35.8

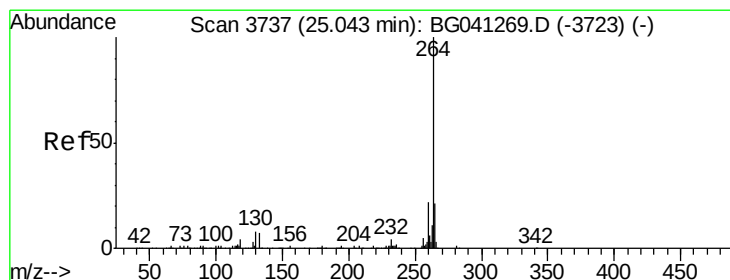
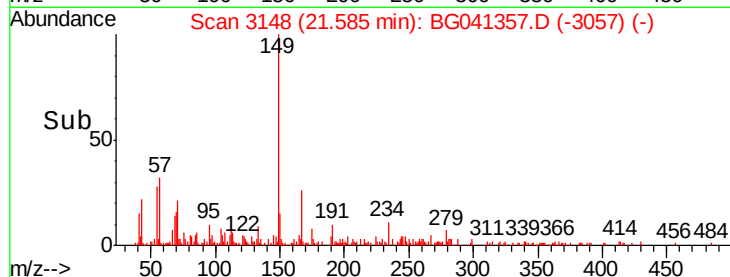
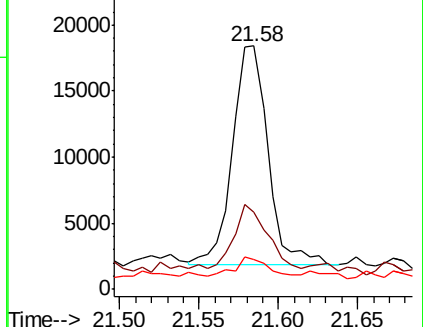
279 12.1 4.4 6.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3741

Delta R.T. 0.03 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

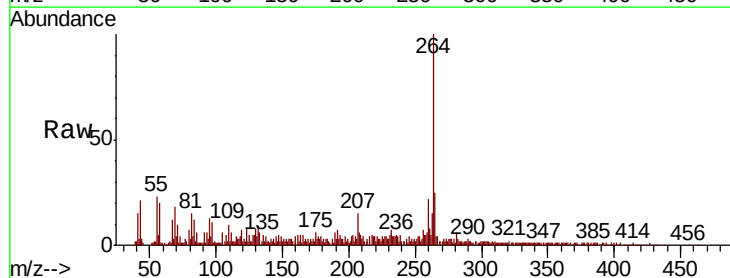
Tgt Ion:264 Resp: 222363

Ion Ratio Lower Upper

264 100

260 21.8 17.4 26.2

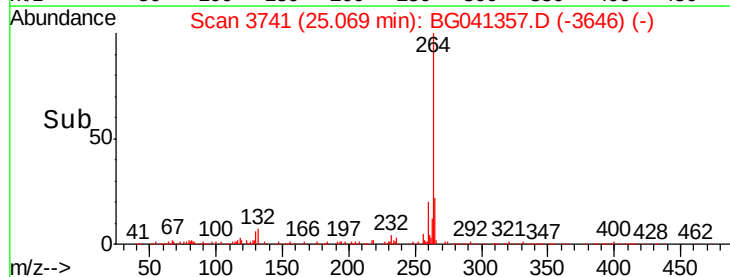
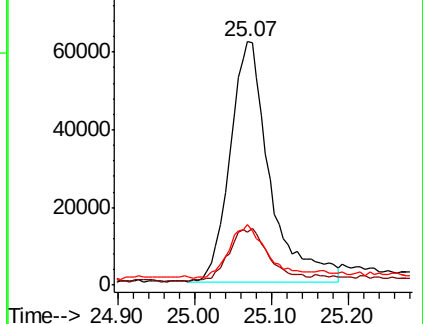
265 24.7 17.2 25.8

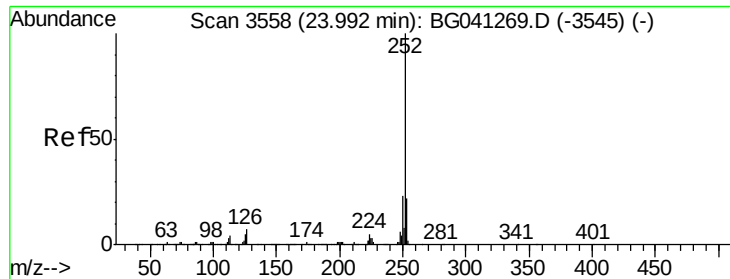


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

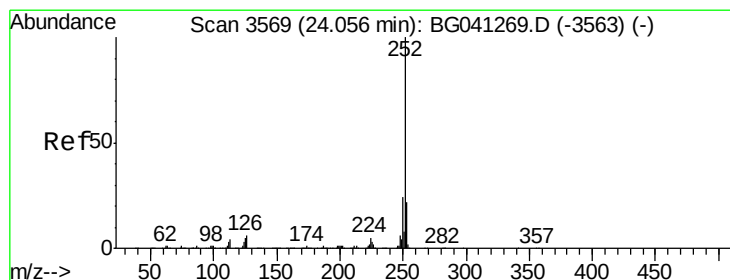
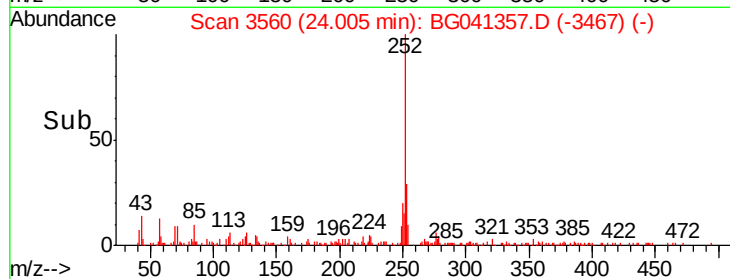
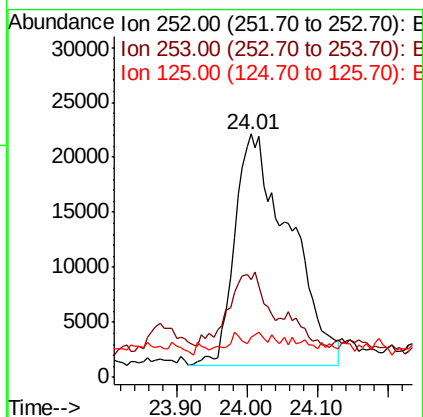
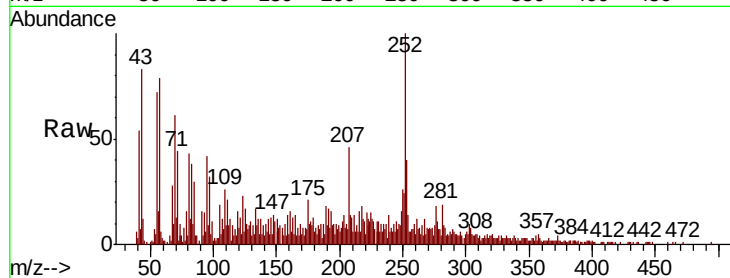




#88
Benzo(b)fluoranthene
Concen: 8.235 ng
RT: 24.01 min Scan# 3560
Delta R.T. 0.01 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

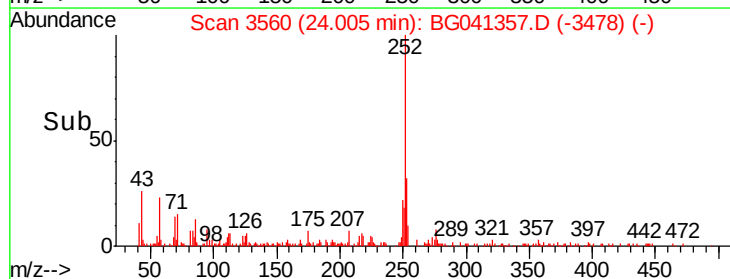
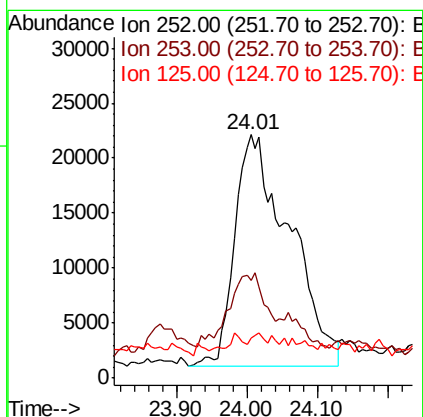
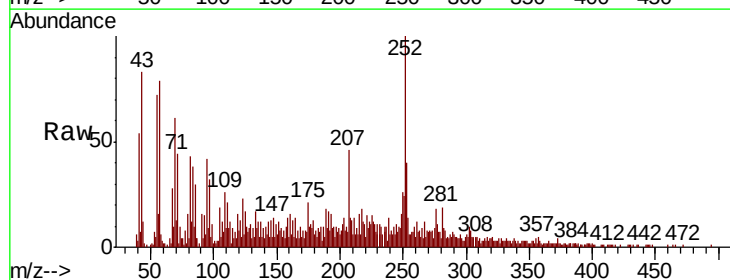
Instrument :
BNA_G
ClientSampleId :

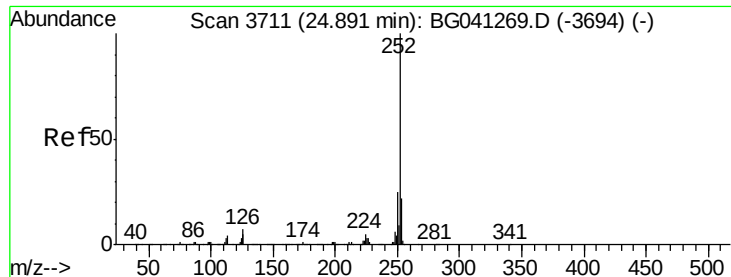
Tot Ion:252 Resp: 113483
Ion Ratio Lower Upper
252 100
253 40.0 17.4 26.0#
125 16.5 3.9 5.9#



#89
Benzo(k)fluoranthene
Concen: 8.313 ng
RT: 24.01 min Scan# 3560
Delta R.T. -0.05 min
Lab File: BG041357.D
Acq: 20 Jun 2019 15:11

Tgt Ion:252 Resp: 113483
Ion Ratio Lower Upper
252 100
253 40.0 18.0 27.0#
125 16.5 4.3 6.5#





#90

Benzo(a)pyrene

Concen: 3.940 ng

RT: 24.90 min Scan# 3713

Delta R.T. 0.01 min

Lab File: BG041357.D

Acq: 20 Jun 2019 15:11

Instrument :

BNA_G

ClientSampleId :

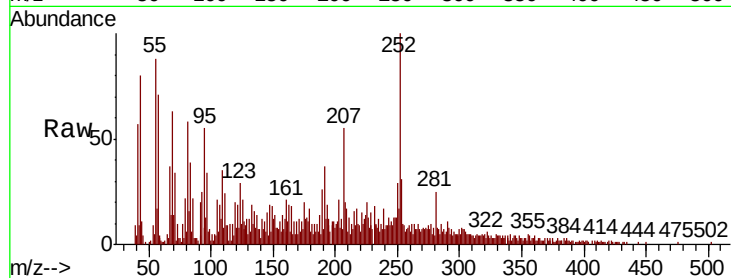
Tot Ion:252 Resp: 51275

Ion Ratio Lower Upper

252 100

253 31.4 17.8 26.6#

125 20.6 4.2 6.4#



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

