

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062320\
 Data File : BG045837.D
 Acq On : 23 Jun 2020 12:55
 Operator : CG/JU
 Sample : L3033-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 23 13:35:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	53997	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	213757	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	144402	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	318759	20.00	ng	0.00
76) Chrysene-d12	21.57	240	316676	20.00	ng	0.00
86) Perylene-d12	24.70	264	343752	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	145245	45.44	ng	-0.01
7) Phenol-d6	7.14	99	129330	26.60	ng	-0.02
23) Nitrobenzene-d5	9.08	82	387813	82.88	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	269266	123.51	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	875860	89.14	ng	0.00
79) Terphenyl-d14	19.93	244	1385140	88.64	ng	0.00

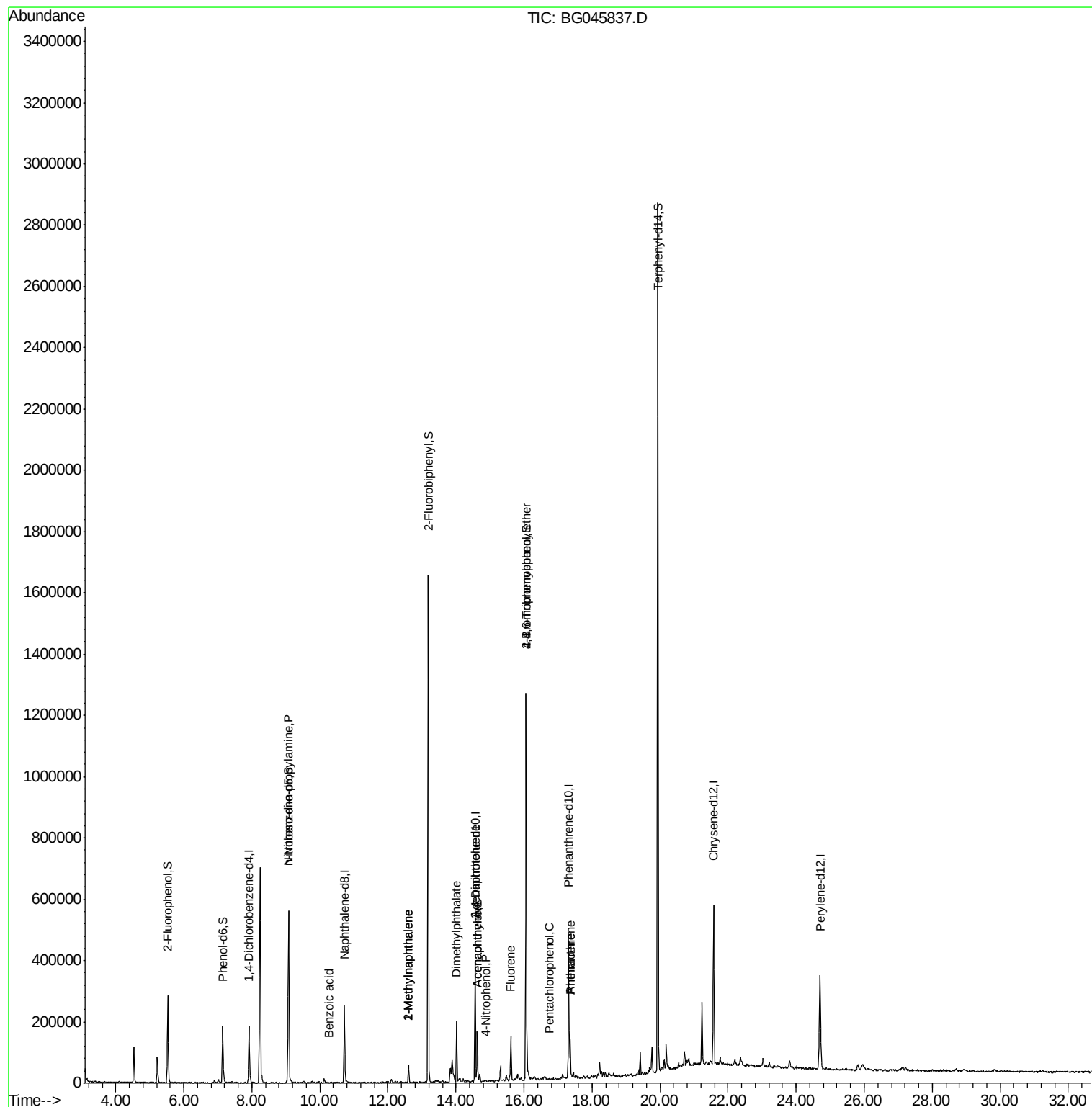
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.08	70	54857	17.161	ng	# 77
32) Benzoic acid	10.27	122	97	9.016	ng	# 1
37) 2-Methylnaphthalene	12.60	142	28974	3.330	ng	96
38) 1-Methylnaphthalene	12.60	142	28974	3.518	ng	# 98
49) Acenaphthylene	14.63	152	33330	2.492	ng	# 1
50) Dimethylphthalate	14.02	163	126895	11.217	ng	98
52) Acenaphthene	14.63	154	62099	7.659	ng	96
56) 4-Nitrophenol	14.89	139	54	4.001	ng	# 1
57) 2,4-Dinitrotoluene	14.56	165	19456	5.344	ng	# 24
58) Fluorene	15.62	166	61999	5.661	ng	93
67) 4-Bromophenyl-phenylether	16.06	248	18042	4.356	ng	# 1
70) Pentachlorophenol	16.73	266	57	7.657	ng	# 17
71) Phenanthrene	17.36	178	80455	4.894	ng	94
72) Anthracene	17.36	178	80455	4.915	ng	94

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

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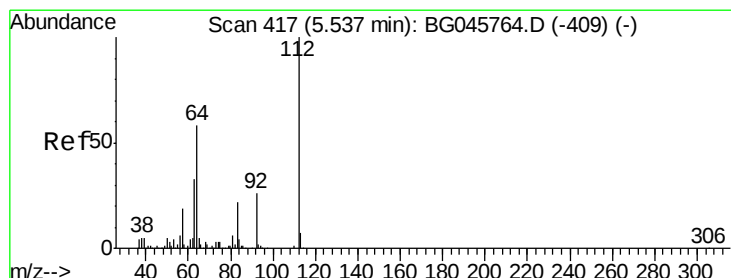
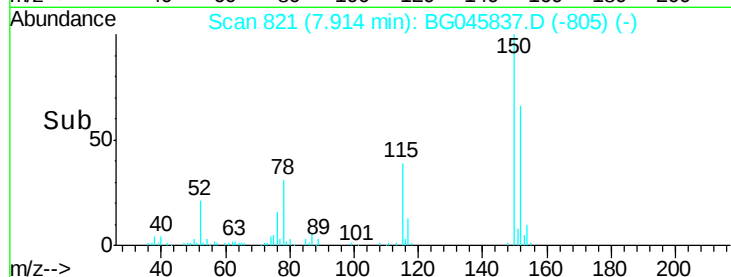
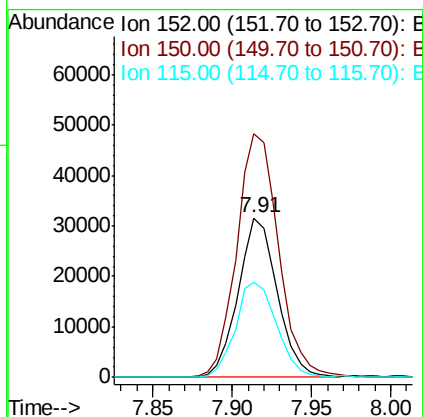
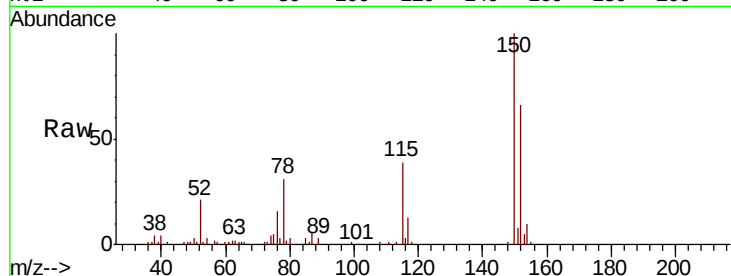


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Instrument :
BNA_G
ClientSampleId :

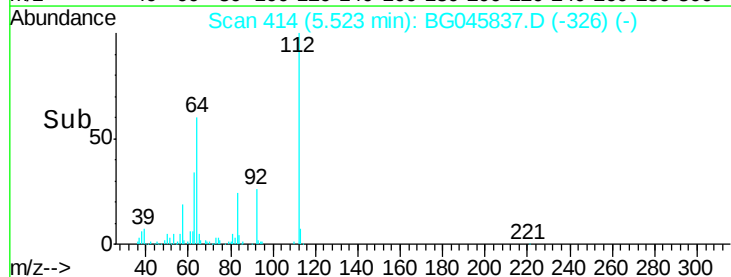
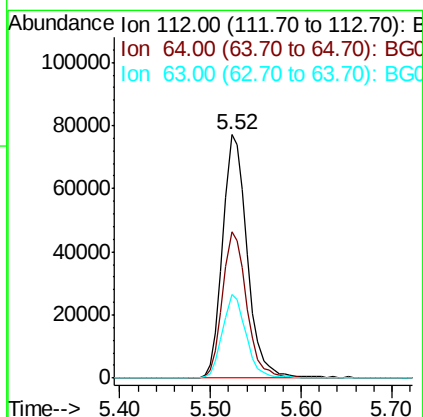
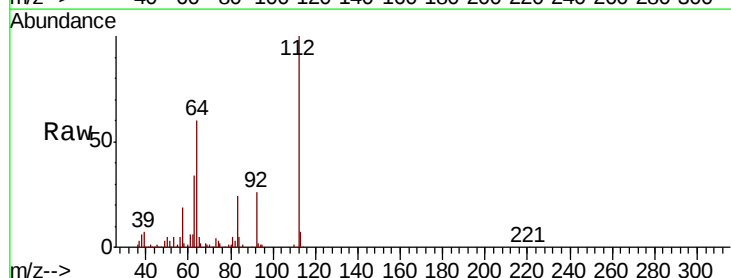
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	113.1	169.7
115	59.5	43.8	65.6

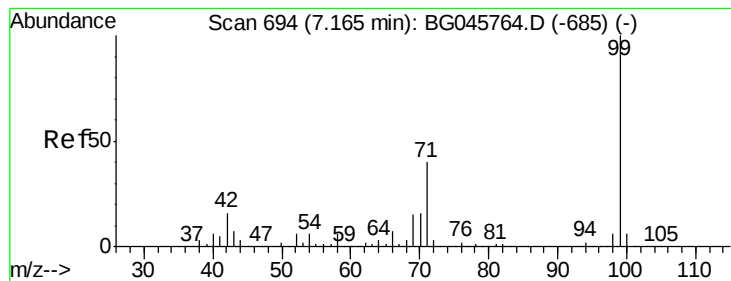


#5

2-Fluorophenol
Concen: 45.438 ng
RT: 5.52 min Scan# 414
Delta R.T. -0.01 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	46.6	69.8
63	34.1	26.3	39.5





#7

Phenol-d6

Concen: 26.599 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.02 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

Instrument :

BNA_G

ClientSampleId :

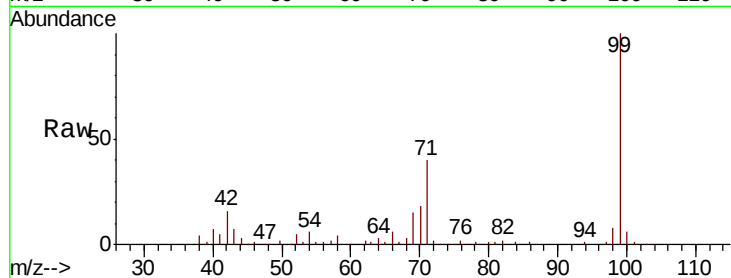
Tot Ion: 99 Resp: 129330

Ion Ratio Lower Upper

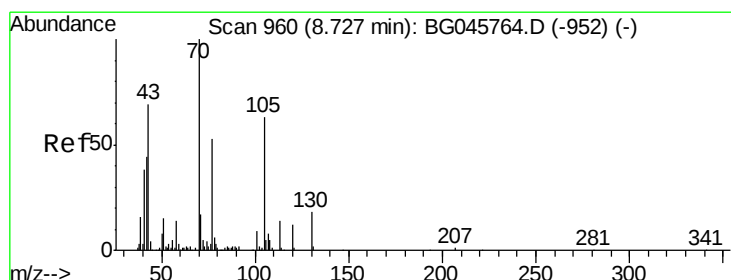
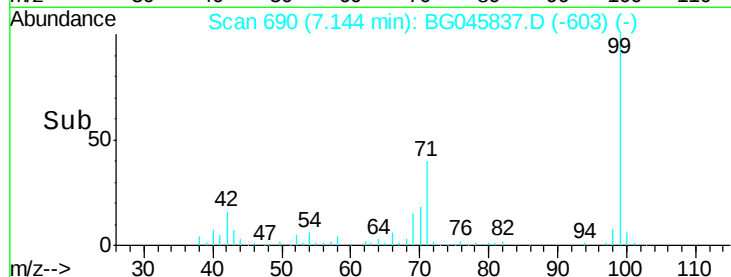
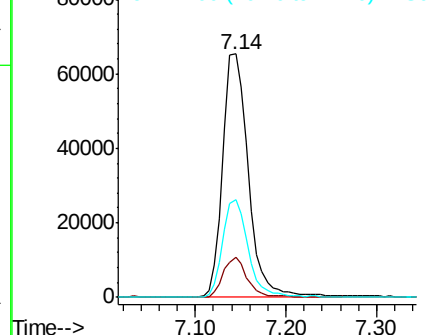
99 100

42 16.3 12.4 18.6

71 40.2 32.1 48.1



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: 17.161 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

Tgt Ion: 70 Resp: 54857

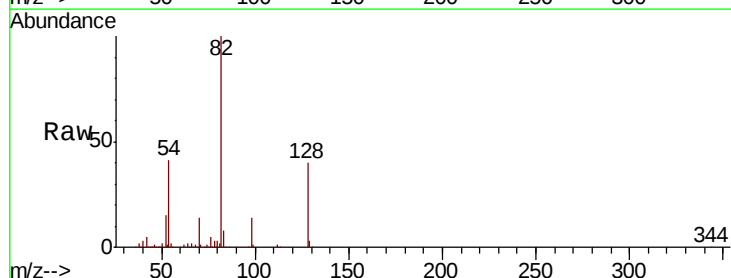
Ion Ratio Lower Upper

70 100

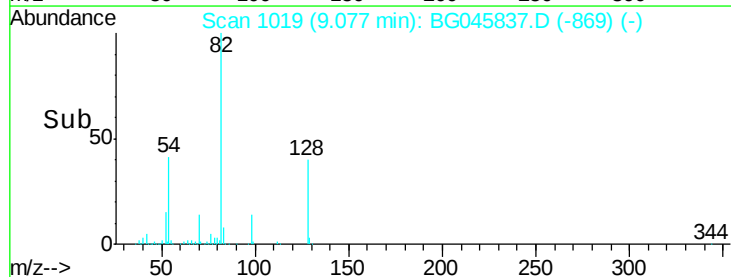
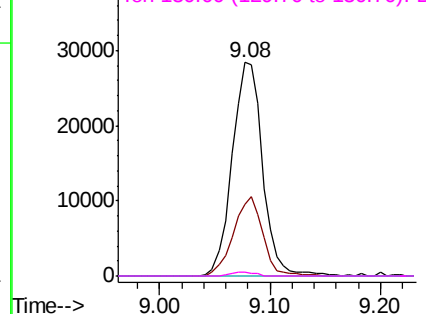
42 33.3 35.1 52.7#

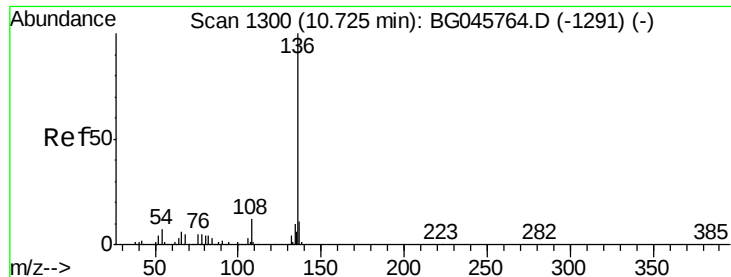
101 0.0 7.4 11.0#

130 1.8 14.6 21.8#



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

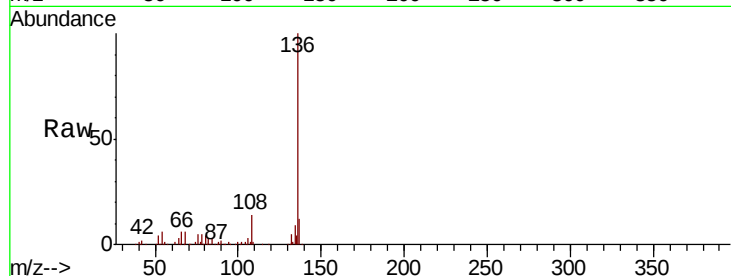




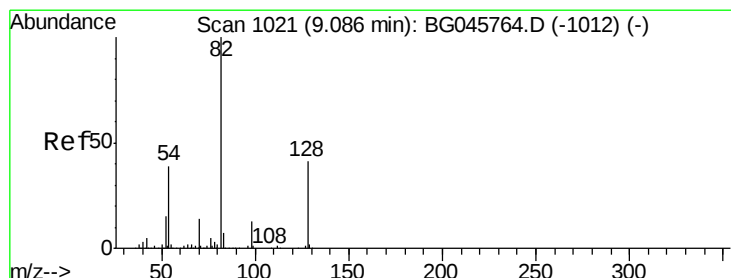
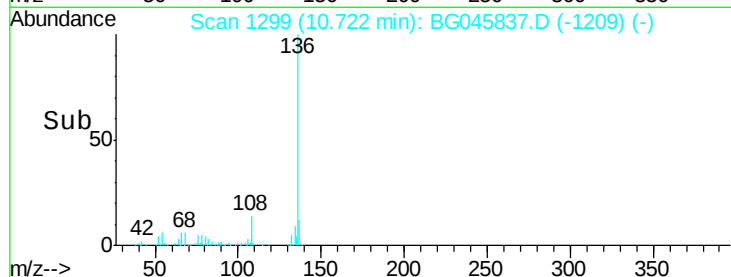
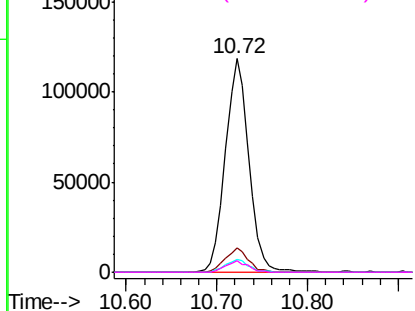
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	213757
Ion Ratio	Lower	Upper
136 100		
137 11.7	8.7	13.1
54 6.2	5.8	8.6
68 5.6	4.0	6.0

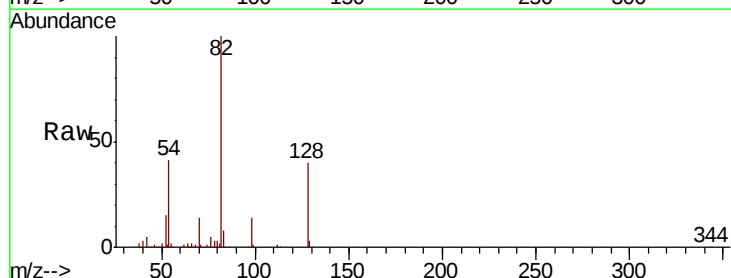


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

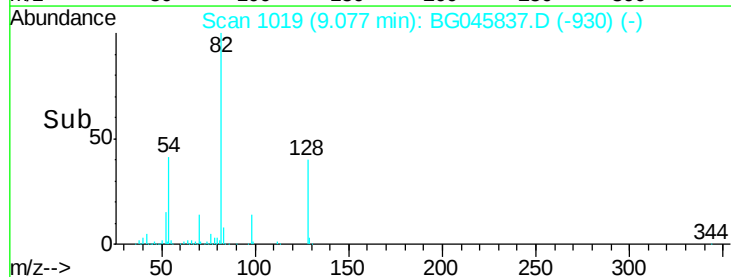
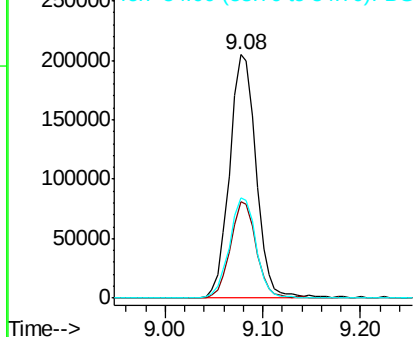


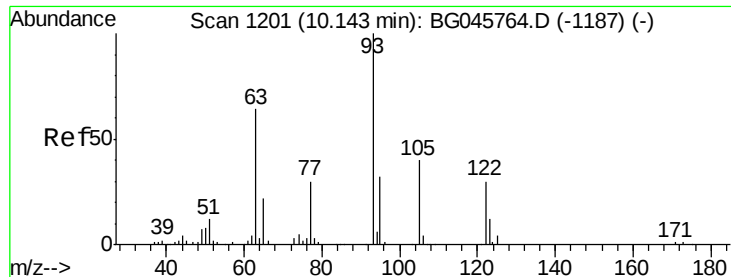
#23
Nitrobenzene-d5
Concen: 82.882 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Tgt Ion: 82	Resp: 387813
Ion Ratio	Lower Upper
82 100	
128 39.7	32.5 48.7
54 41.2	31.2 46.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

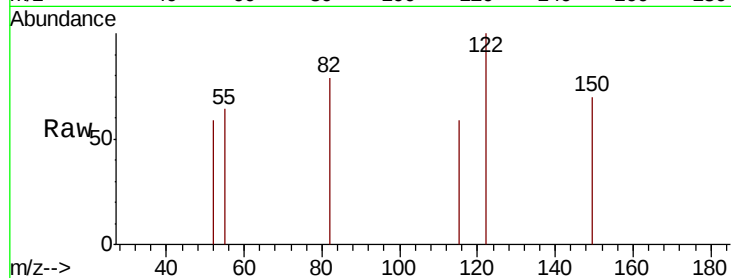




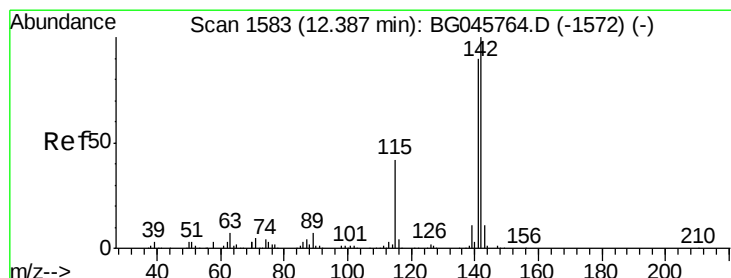
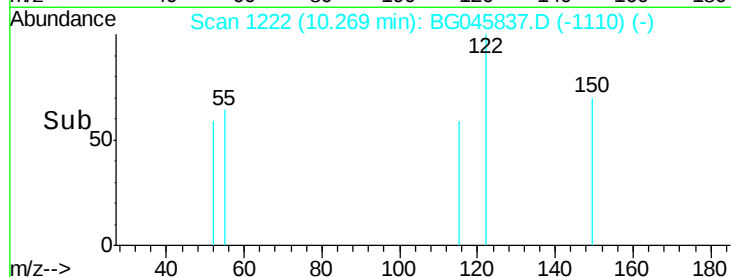
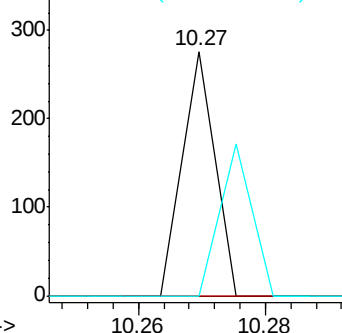
#32
Benzoic acid
Concen: 9.016 ng
RT: 10.27 min Scan# 1222
Delta R.T. 0.13 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 97
Ion Ratio Lower Upper
122 100
105 0.0 112.9 152.9#
77 0.0 79.2 119.2#

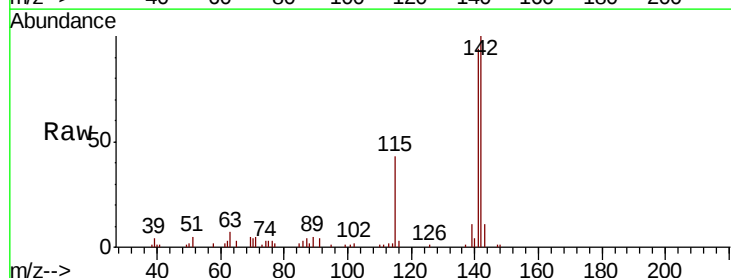


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

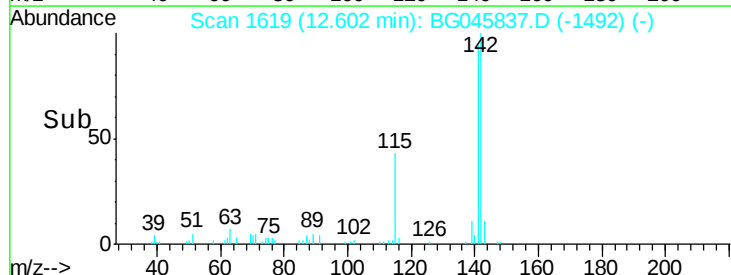
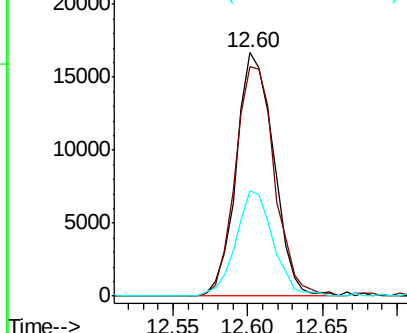


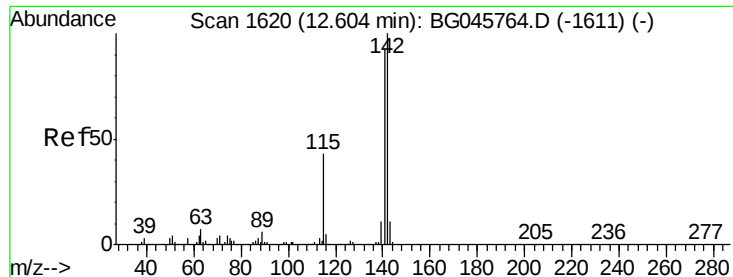
#37
2-Methylnaphthalene
Concen: 3.330 ng
RT: 12.60 min Scan# 1619
Delta R.T. 0.21 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Tgt Ion:142 Resp: 28974
Ion Ratio Lower Upper
142 100
141 94.5 71.7 107.5
115 43.2 33.8 50.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

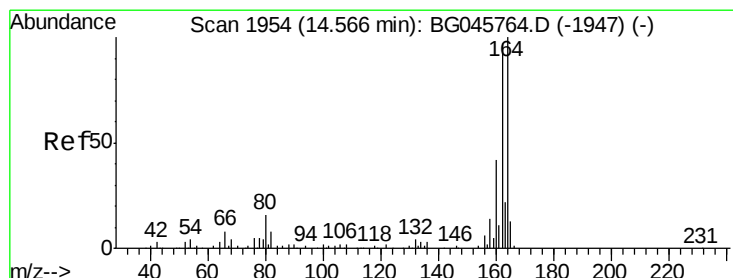
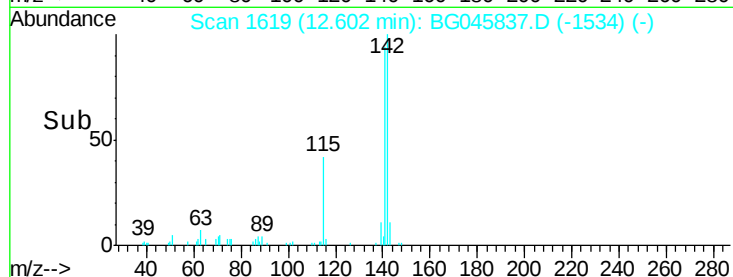
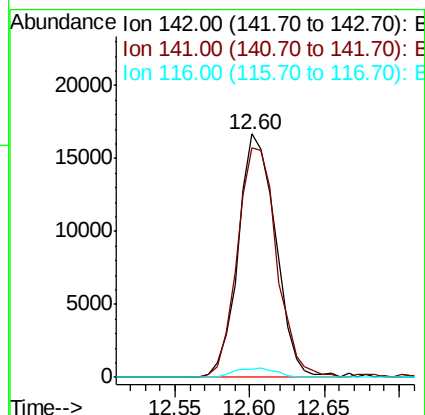
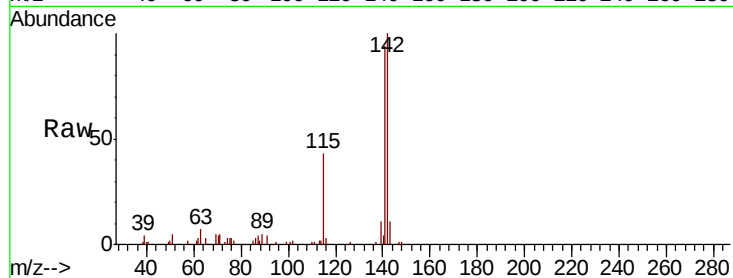




#38
1-Methylnaphthalene
Concen: 3.518 ng
RT: 12.60 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

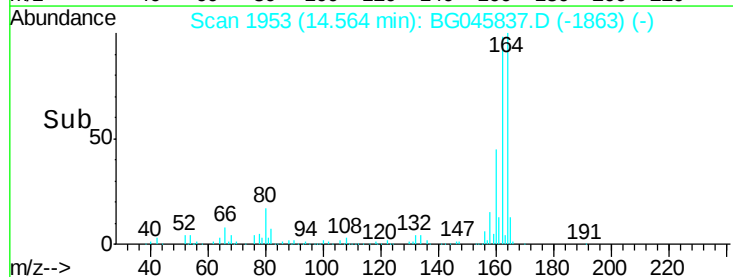
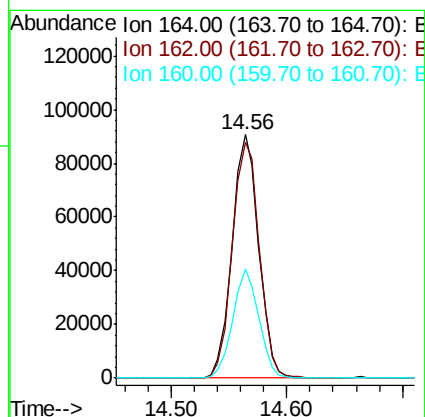
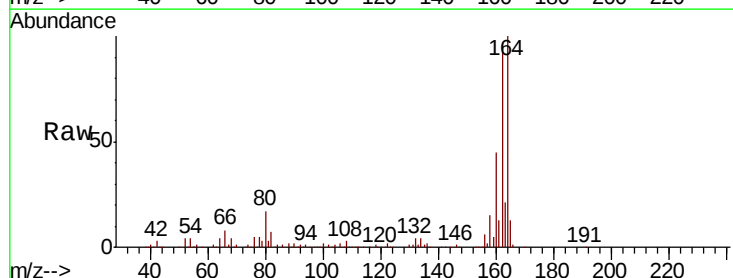
Instrument :
BNA_G
ClientSampleId :

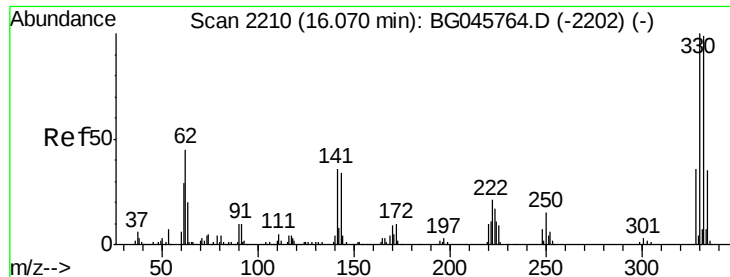
Tot Ion:142 Resp: 28974
Ion Ratio Lower Upper
142 100
141 94.5 73.8 110.8
116 3.1 3.8 5.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Tgt Ion:164 Resp: 144402
Ion Ratio Lower Upper
164 100
162 96.8 77.4 116.0
160 44.7 33.3 49.9

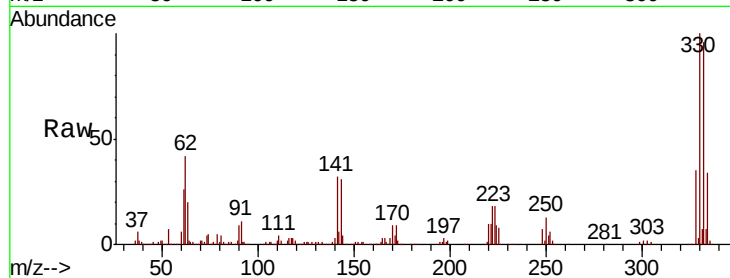




#42
 2,4,6-Tribromophenol
 Concen: 123.511 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BG045837.D
 Acq: 23 Jun 2020 12:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.6	117.8
141	34.9	28.2	42.4

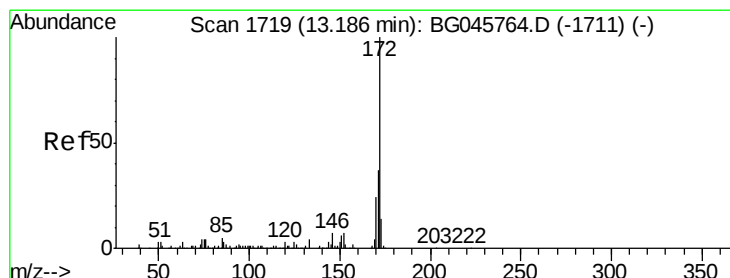
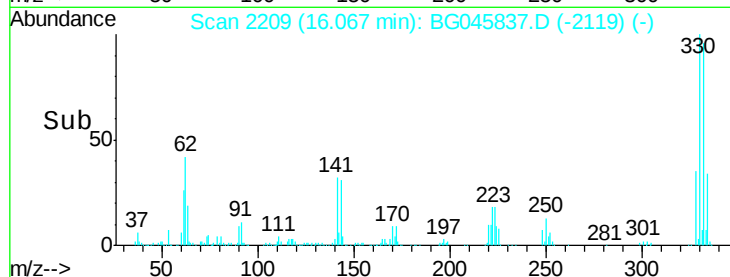
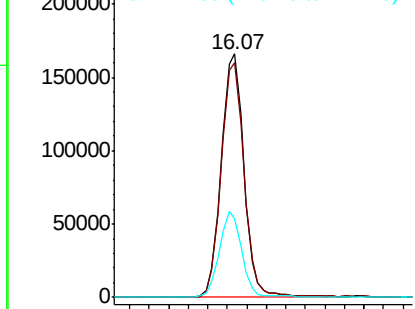


Abundance

Ion 329.80 (329.50 to 330.50): E

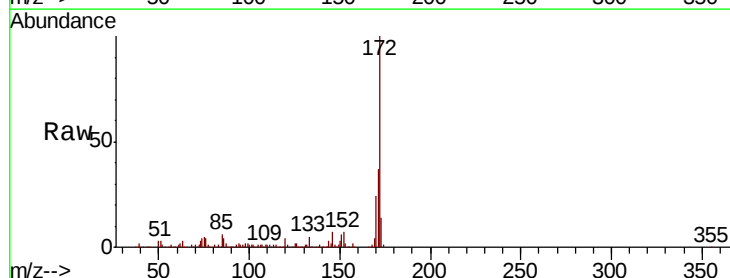
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.135 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG045837.D
 Acq: 23 Jun 2020 12:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	24.1	19.3	28.9

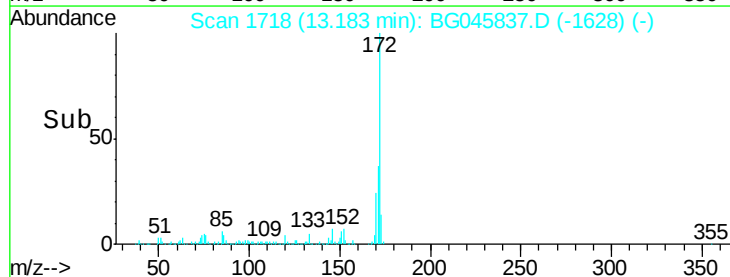
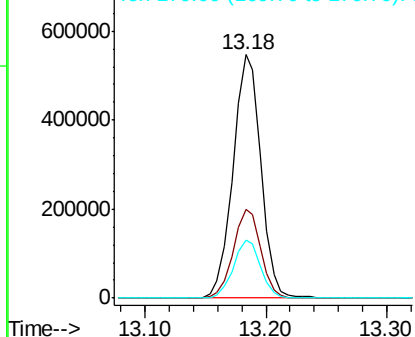


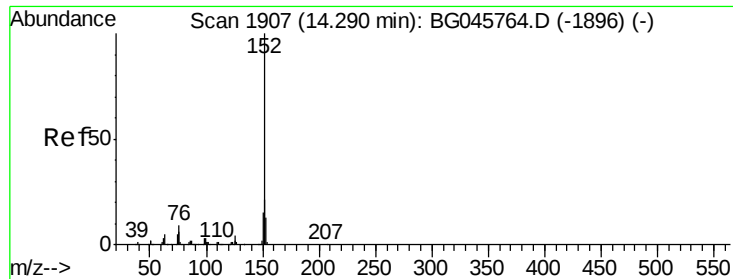
Abundance

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





#49

Acenaphthylene

Concen: 2.492 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.34 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

Instrument :

BNA_G

ClientSampled :

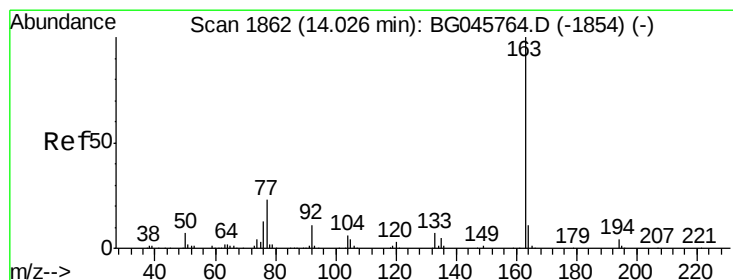
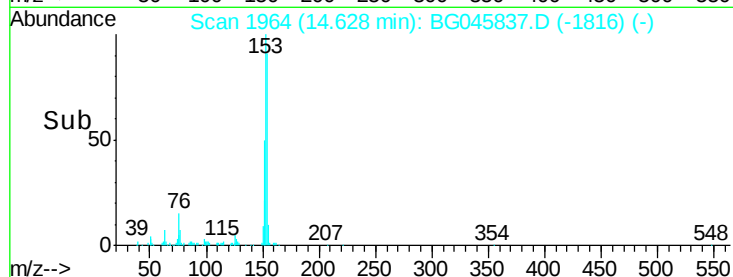
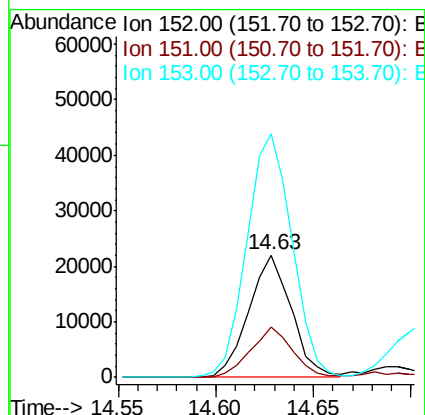
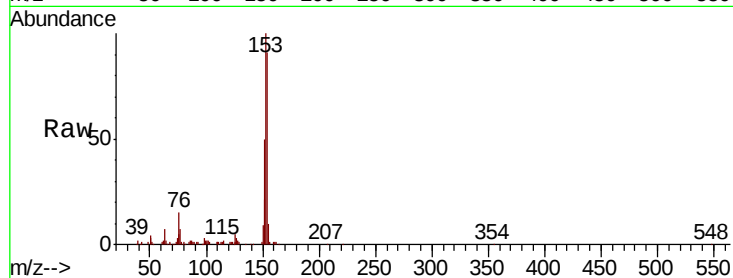
Tot Ion:152 Resp: 33330

Ion Ratio Lower Upper

152 100

151 41.3 17.0 25.4#

153 199.1 10.6 15.8#



#50

Dimethylphthalate

Concen: 11.217 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

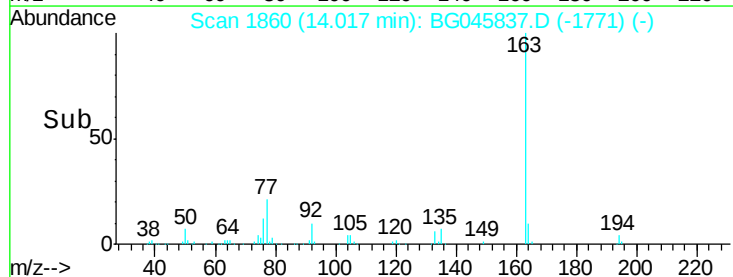
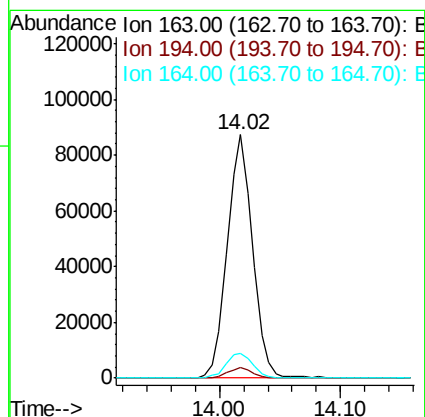
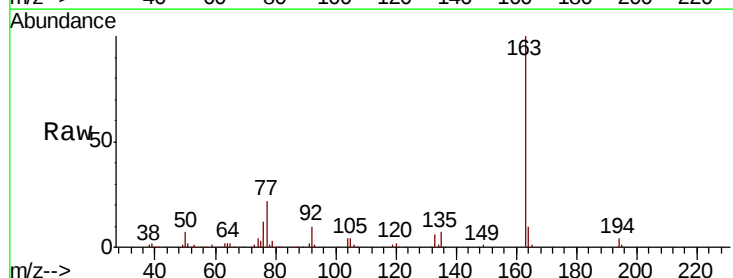
Tgt Ion:163 Resp: 126895

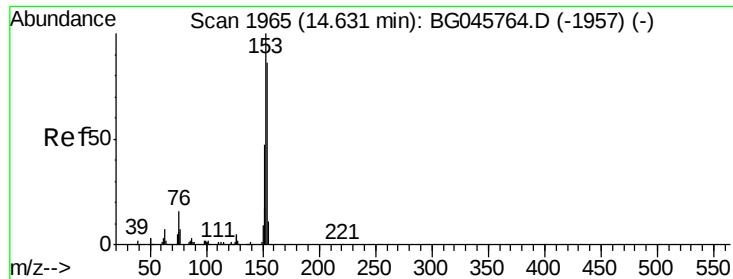
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

164 10.3 8.9 13.3





#52

Acenaphthene

Concen: 7.659 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

Instrument :

BNA_G

ClientSampled :

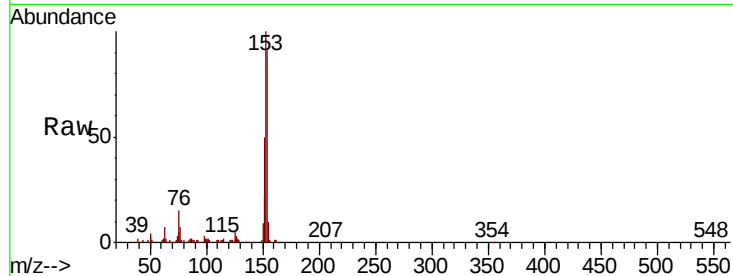
Tot Ion:154 Resp: 62099

Ion Ratio Lower Upper

154 100

153 110.3 93.0 139.4

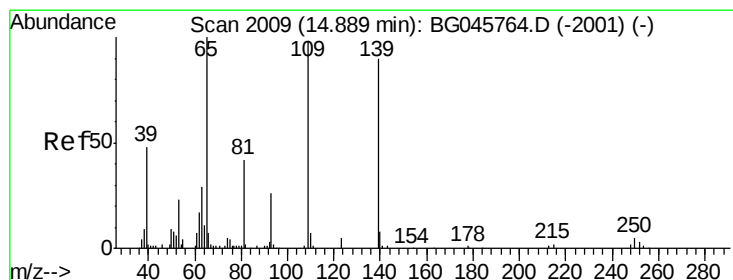
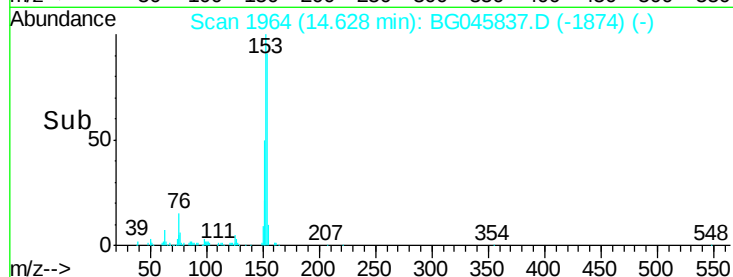
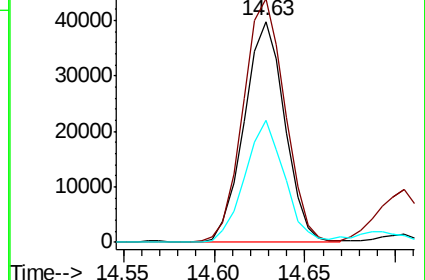
152 55.4 43.7 65.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 4.001 ng

RT: 14.89 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

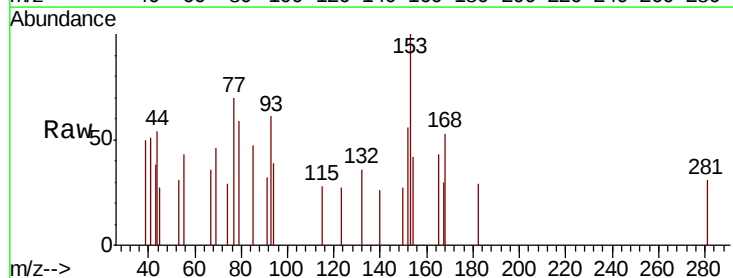
Tgt Ion:139 Resp: 54

Ion Ratio Lower Upper

139 100

109 0.0 88.9 128.9#

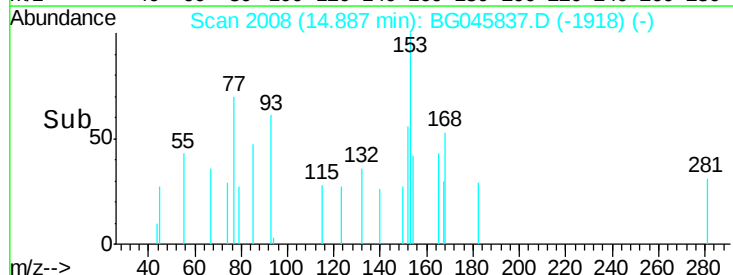
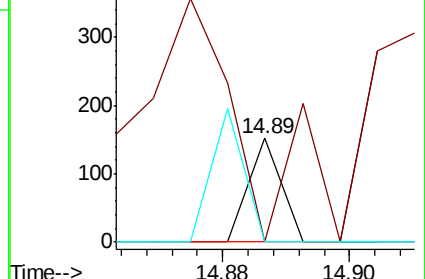
65 0.0 92.3 132.3#

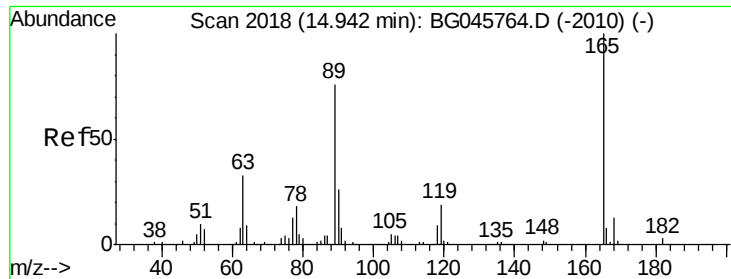


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

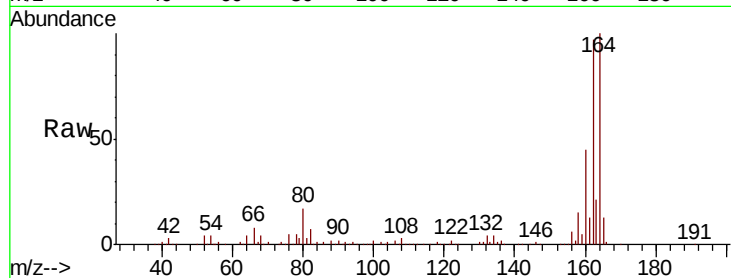




#57
2,4-Dinitrotoluene
Concen: 5.344 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.38 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.9	33.8	50.8#
89	2.1	60.4	90.6#
182	0.0	2.6	3.8#

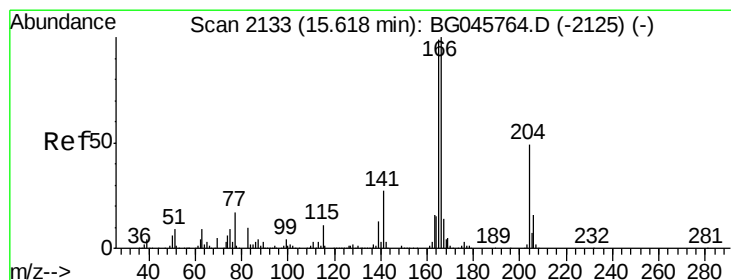
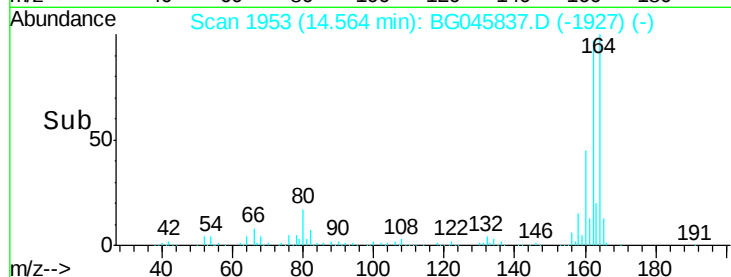
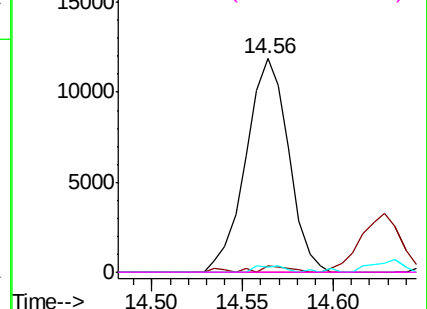


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

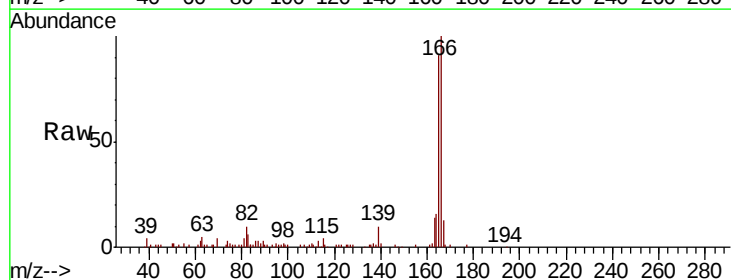
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 5.661 ng
RT: 15.62 min Scan# 2132
Delta R.T. -0.00 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

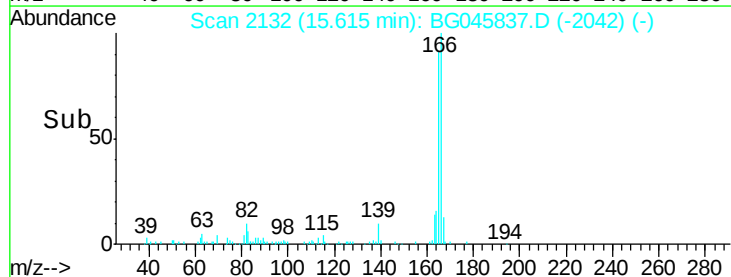
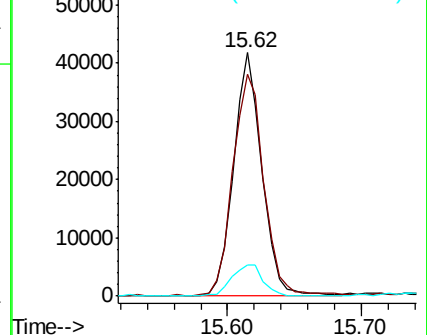
Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.2	79.1	118.7
167	13.0	11.5	17.3

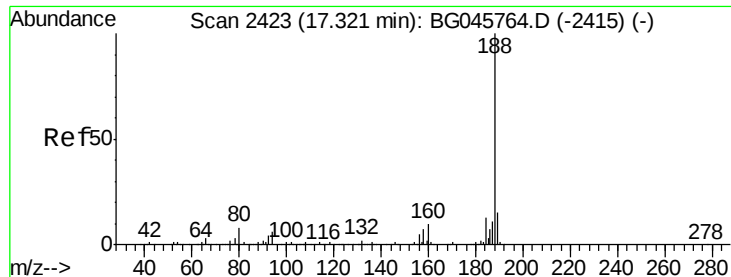


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

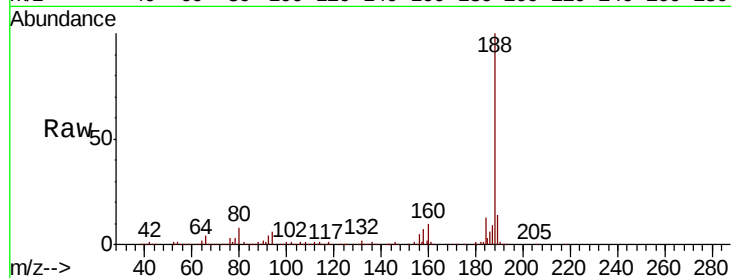




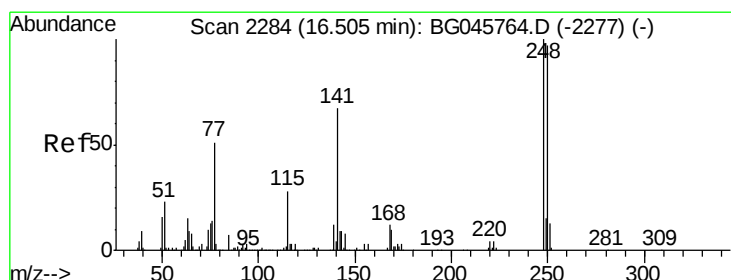
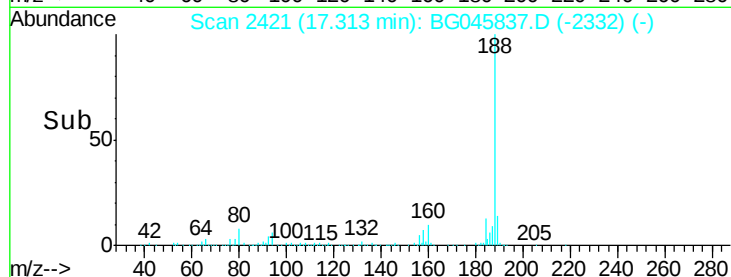
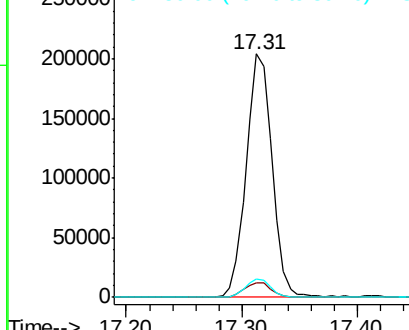
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 318759
Ion Ratio Lower Upper
188 100
94 6.2 5.1 7.7
80 7.7 6.2 9.4

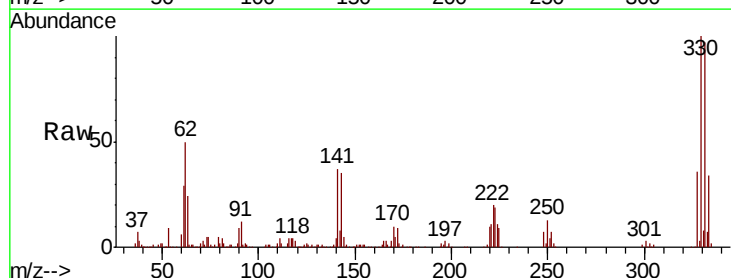


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

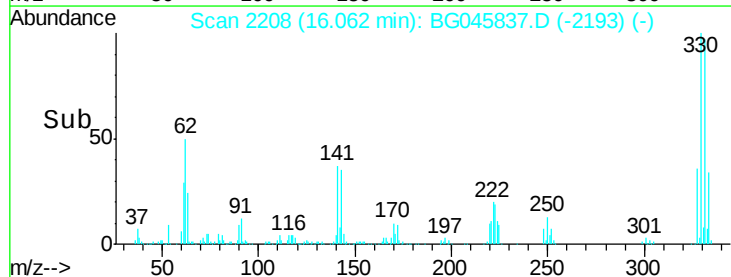
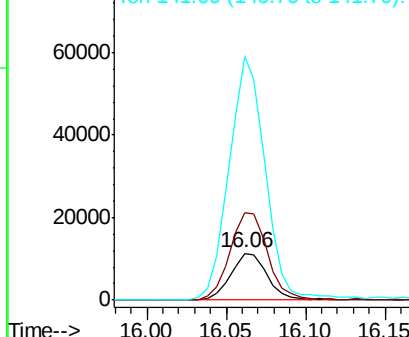


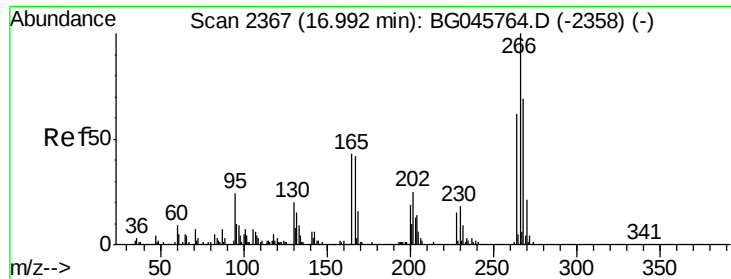
#67
4-Bromophenyl-phenylether
Concen: 4.356 ng
RT: 16.06 min Scan# 2208
Delta R.T. -0.44 min
Lab File: BG045837.D
Acq: 23 Jun 2020 12:55

Tgt Ion:248 Resp: 18042
Ion Ratio Lower Upper
248 100
250 185.4 78.0 117.0#
141 518.7 53.9 80.9#



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

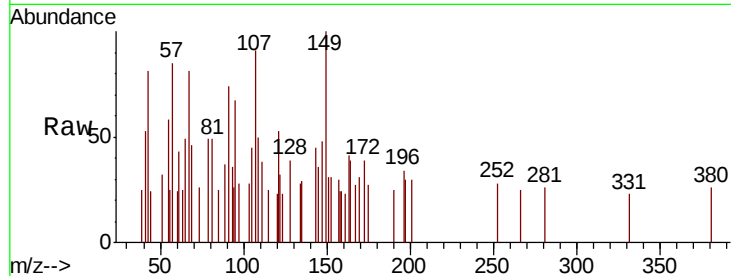




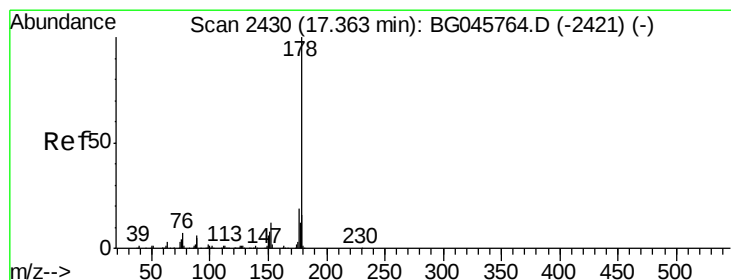
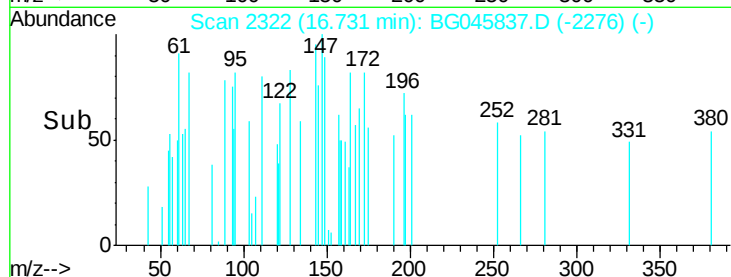
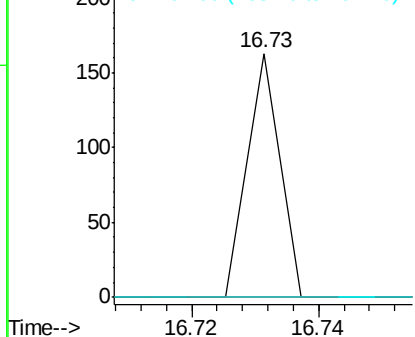
#70
 Pentachlorophenol
 Concen: 7.657 ng
 RT: 16.73 min Scan# 2322
 Delta R.T. -0.26 min
 Lab File: BG045837.D
 Acq: 23 Jun 2020 12:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	55.4	83.0#
264	0.0	49.8	74.6#

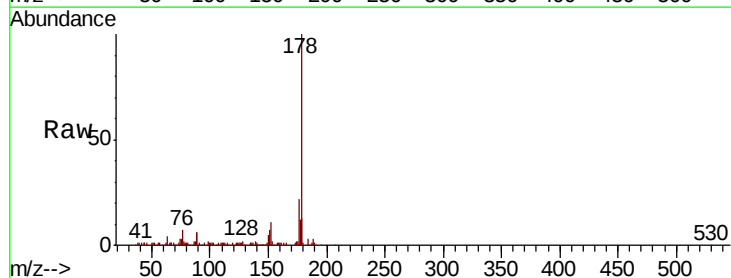


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

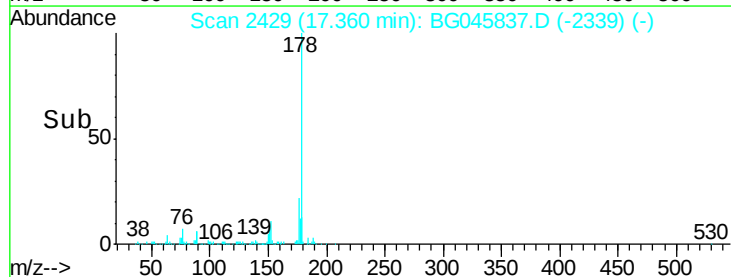
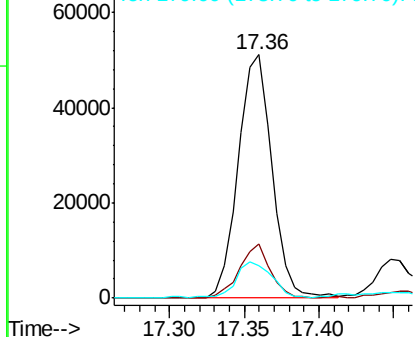


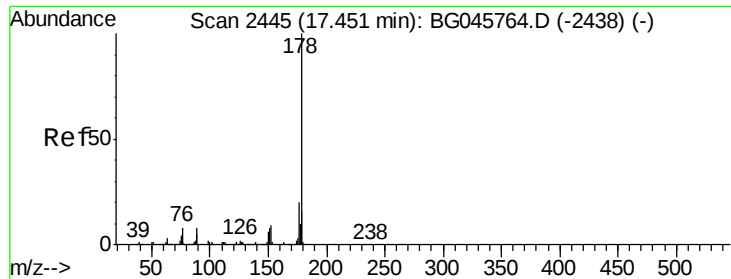
#71
 Phenanthrene
 Concen: 4.894 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BG045837.D
 Acq: 23 Jun 2020 12:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.0	15.5	23.3
179	13.5	13.2	19.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.915 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.09 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

Instrument :

BNA_G

ClientSampleId :

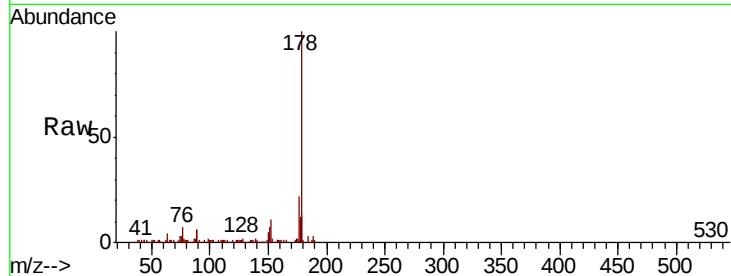
Tot Ion:178 Resp: 80455

Ion Ratio Lower Upper

178 100

176 22.0 15.6 23.4

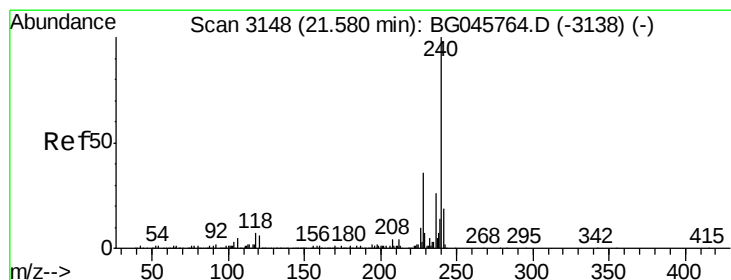
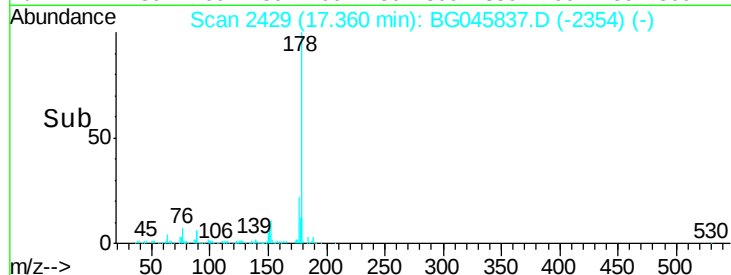
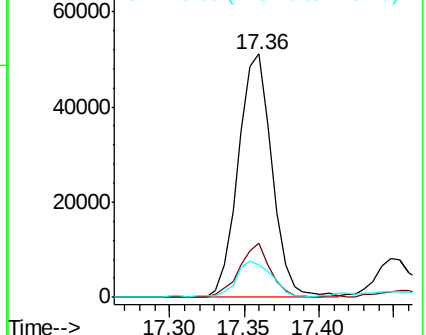
179 13.5 13.1 19.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

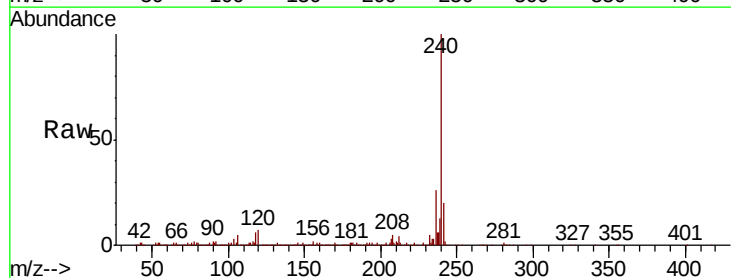
Tgt Ion:240 Resp: 316676

Ion Ratio Lower Upper

240 100

120 6.8 5.0 7.4

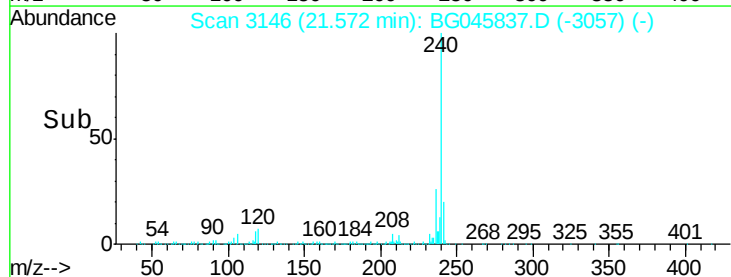
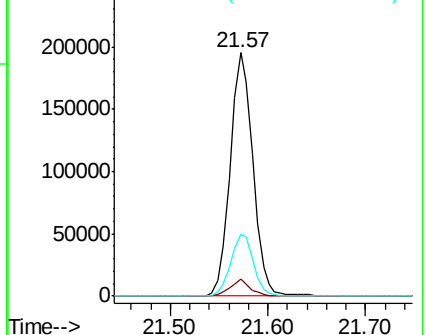
236 25.5 20.6 30.8

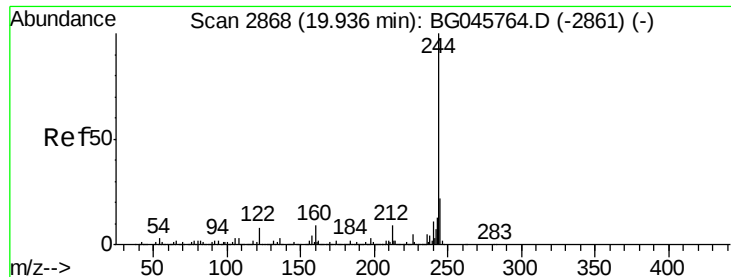


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 88.643 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

Instrument :

BNA_G

ClientSampled :

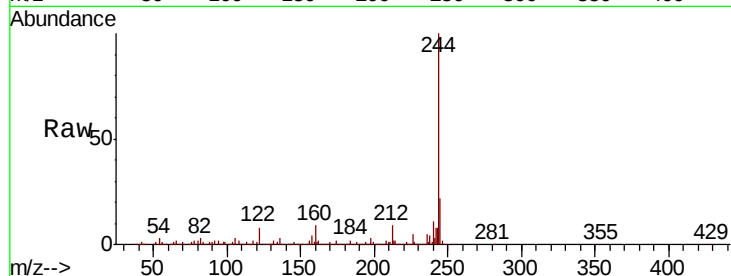
Tot Ion:244 Resp: 1385140

Ion Ratio Lower Upper

244 100

212 8.8 7.2 10.8

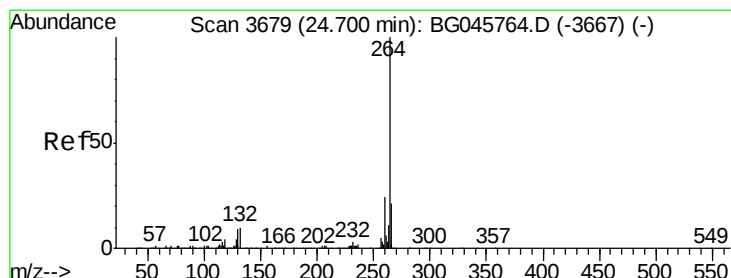
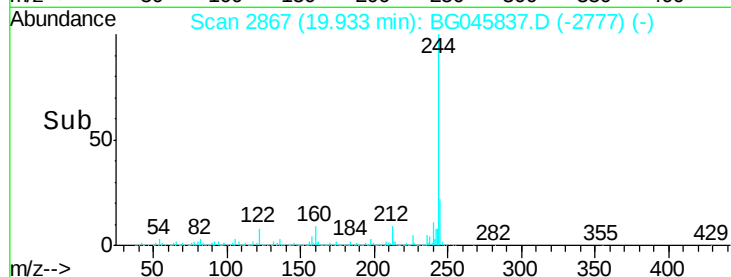
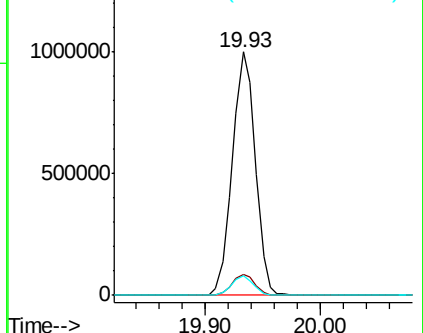
122 8.1 6.4 9.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045837.D

Acq: 23 Jun 2020 12:55

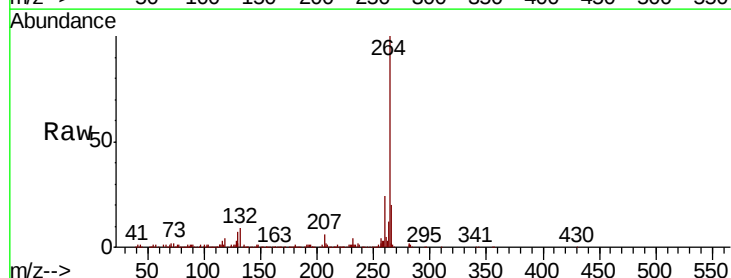
Tgt Ion:264 Resp: 343752

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 20.3 17.4 26.0



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

