

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062919\
 Data File : BG041547.D
 Acq On : 29 Jun 2019 15:31
 Operator : HP/JU
 Sample : K3568-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RW-1

Quant Time: Jun 30 00:56:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	29641	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	100173	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	72864	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	191607	20.00	ng	0.00
76) Chrysene-d12	21.70	240	232488	20.00	ng	0.00
87) Perylene-d12	24.99	264	257522	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	87588	52.68	ng	0.00
7) Phenol-d6	7.18	99	73491	31.40	ng	0.00
23) Nitrobenzene-d5	9.21	82	214667	89.38	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	168729	135.62	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	492278	86.70	ng	0.00
79) Terphenyl-d14	20.03	244	1018560	93.10	ng	0.00

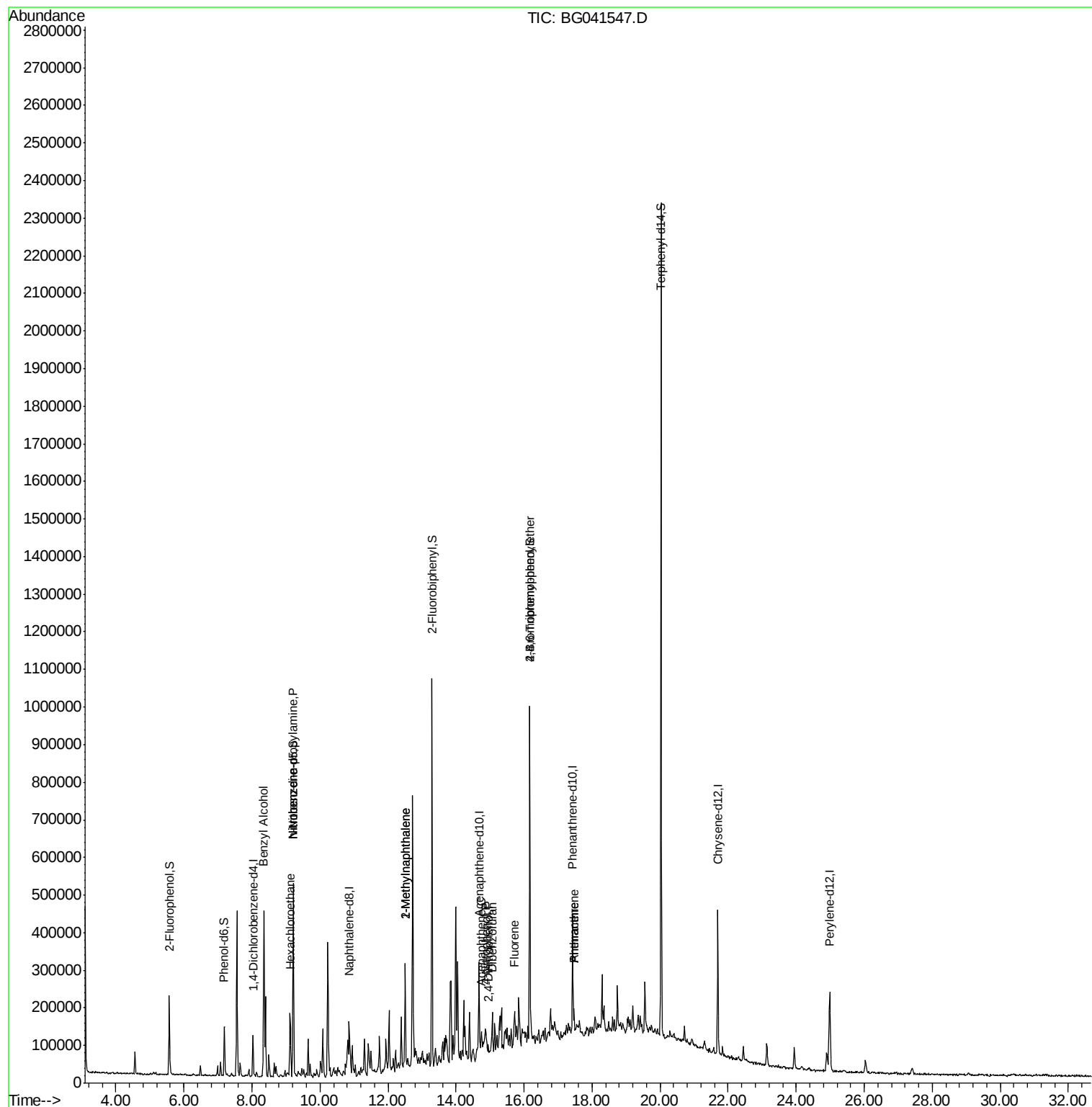
Target Compounds				Qvalue		
15) Benzyl Alcohol	8.35	79	4392	2.356	ng	# 66
18) Hexachloroethane	9.14	117	31087	32.402	ng	# 8
19) n-Nitroso-di-n-propylamine	9.21	70	31050	17.786	ng	# 79
24) Nitrobenzene	9.22	77	7394	3.067	ng	# 16
37) 2-Methylnaphthalene	12.51	142	122593	29.954	ng	98
38) 1-Methylnaphthalene	12.51	142	122593	31.397	ng	99
52) Acenaphthene	14.74	154	17431	3.982	ng	92
54) 2,4-Dinitrophenol	14.96	184	1494	9.397	ng	# 78
55) Dibenzofuran	15.08	168	24417	3.204	ng	# 95
56) 4-Nitrophenol	14.87	139	3902	4.501	ng	# 58
58) Fluorene	15.72	166	35133	5.796	ng	# 99
67) 4-Bromophenyl-phenylether	16.17	248	11865	4.531	ng	# 1
71) Phenanthrene	17.47	178	40388	3.826	ng	99
72) Anthracene	17.47	178	40388	3.824	ng	98

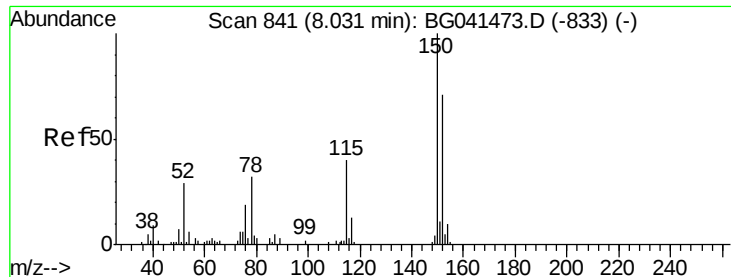
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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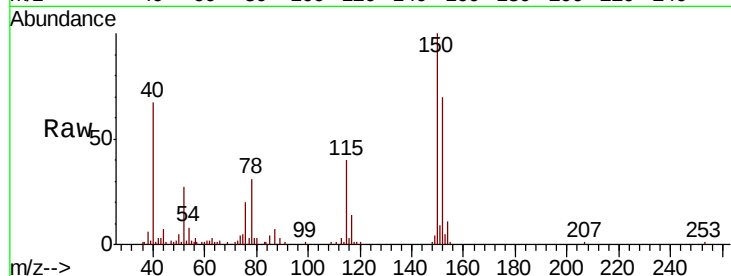


#1

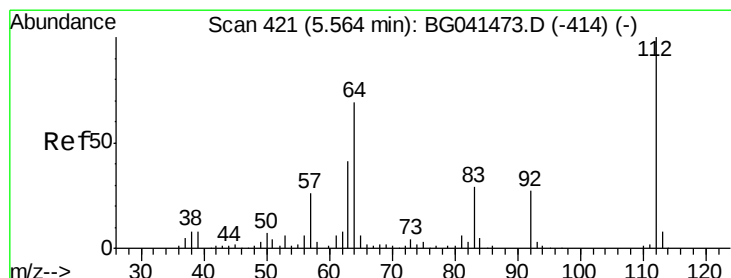
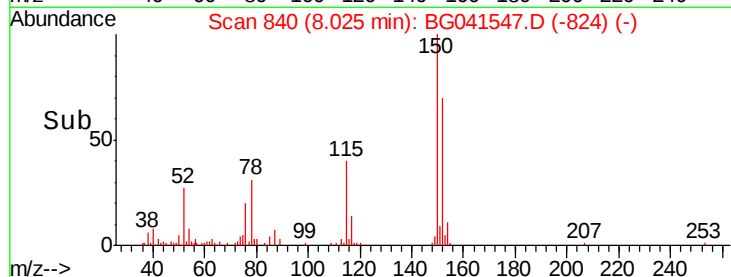
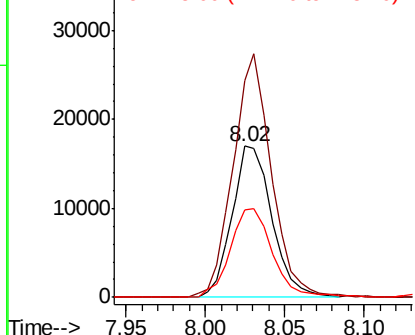
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG041547.D
Acq: 29 Jun 2019 15:31

Instrument :
BNA_G
ClientSampleId :
RW-1

Tgt Ion:152 Resp: 29641
Ion Ratio Lower Upper
152 100
150 143.6 112.4 168.6
115 57.8 44.6 66.8



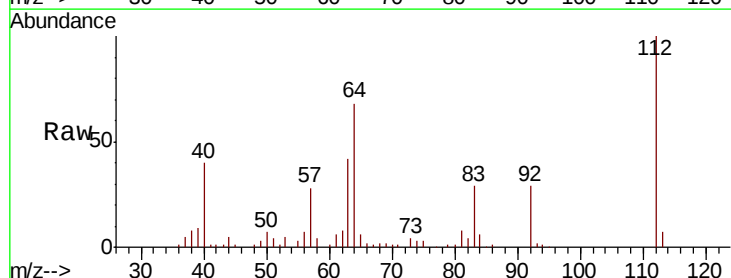
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



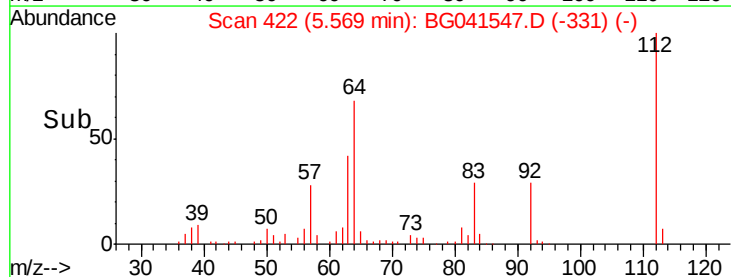
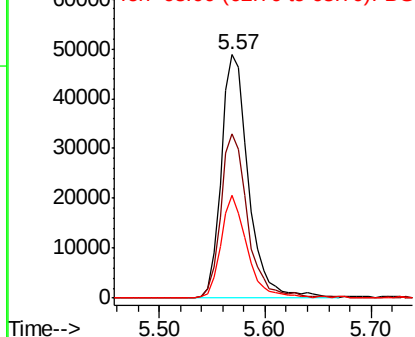
#5

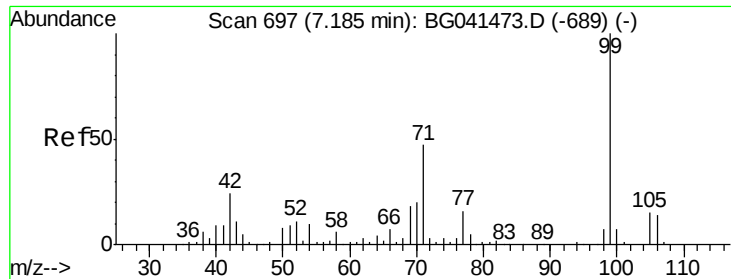
2-Fluorophenol
Concen: 52.683 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG041547.D
Acq: 29 Jun 2019 15:31

Tgt Ion:112 Resp: 87588
Ion Ratio Lower Upper
112 100
64 67.6 55.1 82.7
63 42.1 32.4 48.6



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: 31.400 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

Instrument :

BNA_G

ClientSampled :

RW-1

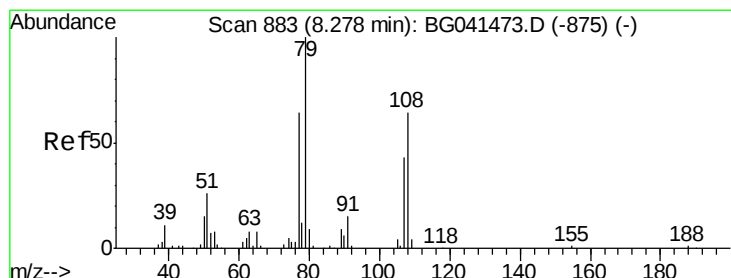
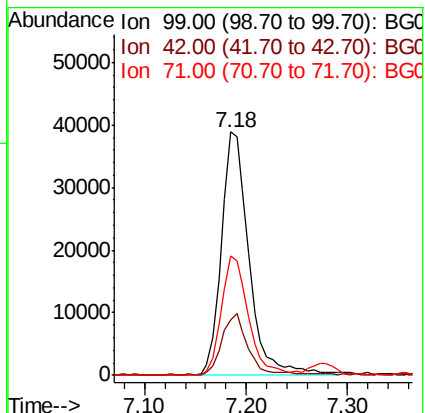
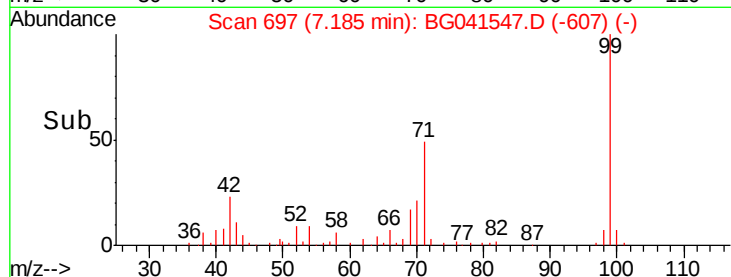
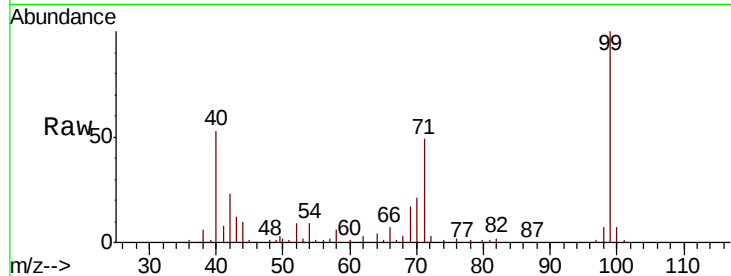
Tgt Ion: 99 Resp: 73491

Ion Ratio Lower Upper

99 100

42 22.9 19.0 28.6

71 49.1 37.4 56.2



#15

Benzyl Alcohol

Concen: 2.356 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.08 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

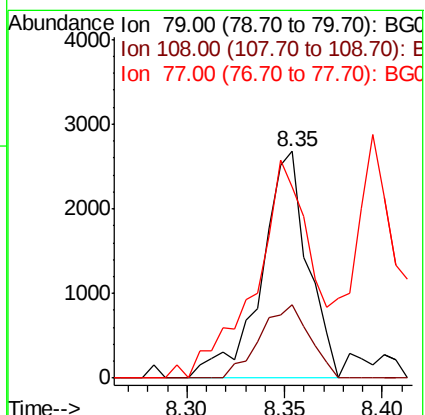
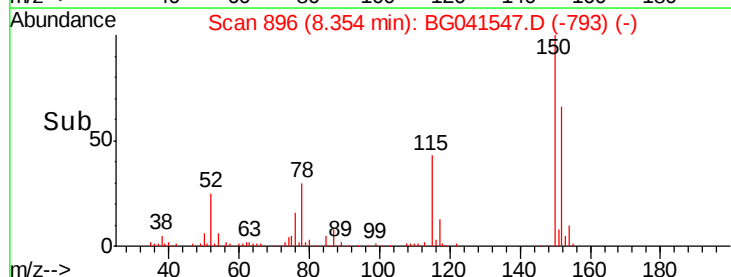
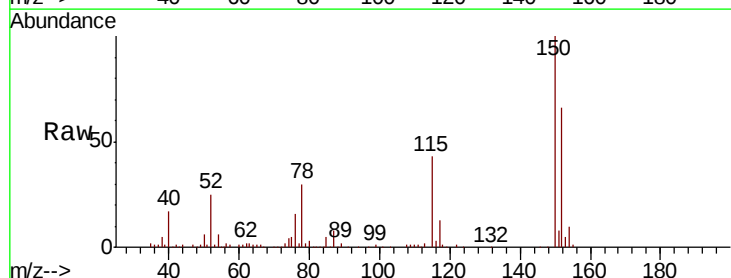
Tgt Ion: 79 Resp: 4392

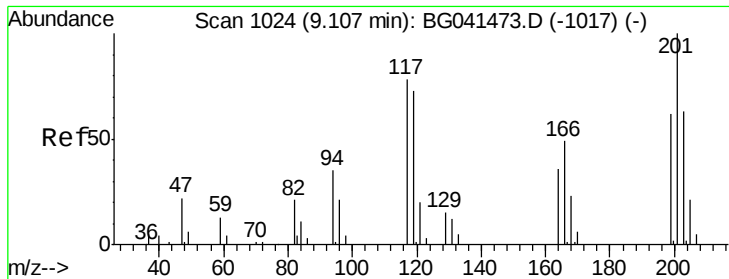
Ion Ratio Lower Upper

79 100

108 32.3 51.4 77.0#

77 84.1 50.8 76.2#

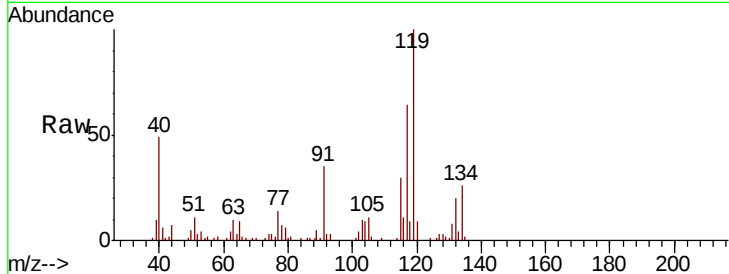




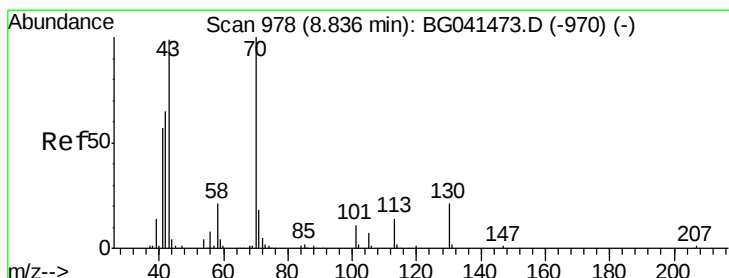
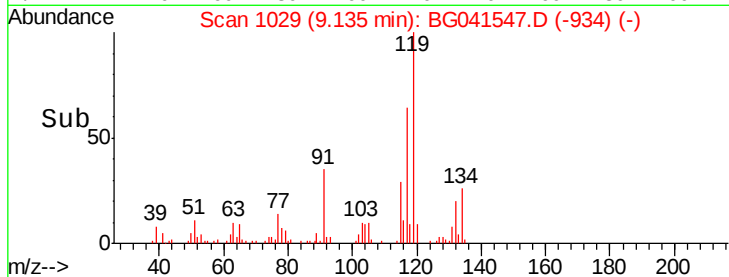
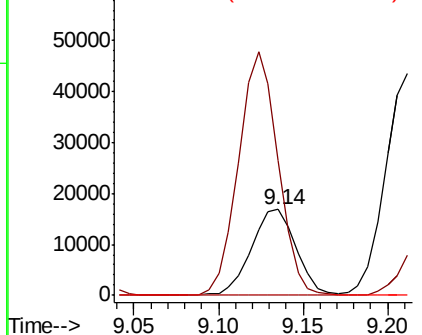
#18
Hexachloroethane
Concen: 32.402 ng
RT: 9.14 min Scan# 1029
Delta R.T. 0.03 min
Lab File: BG041547.D
Acq: 29 Jun 2019 15:31

Instrument :
BNA_G
ClientSampleId :
RW-1

Tgt Ion: 117 Resp: 31087
Ion Ratio Lower Upper
117 100
119 157.4 74.3 111.5#
201 0.0 102.3 153.5#

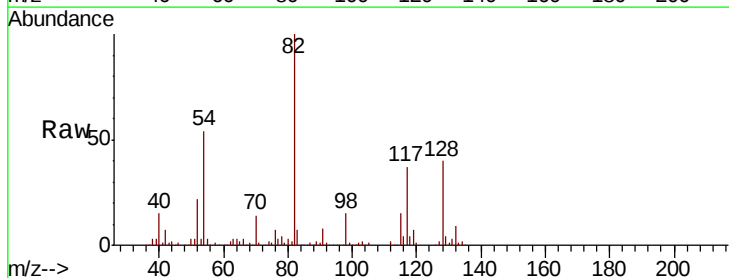


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

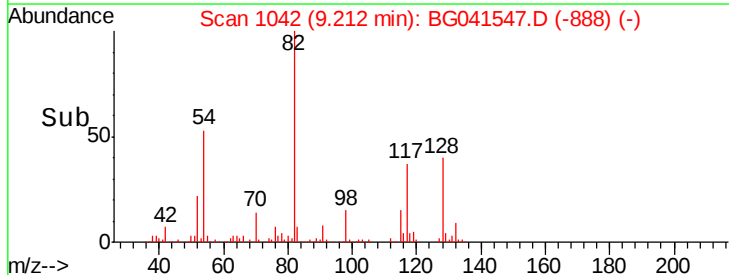
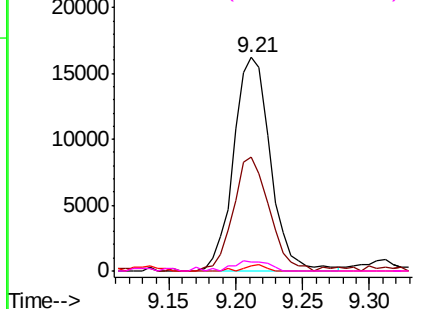


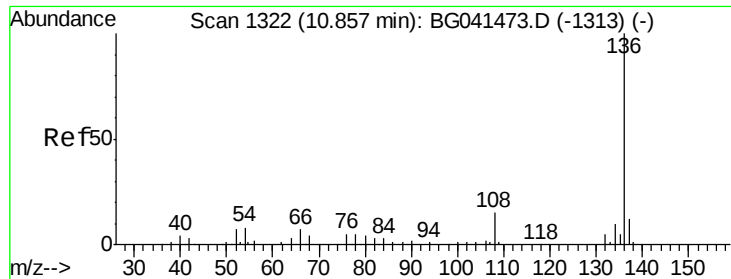
#19
n-Nitroso-di-n-propylamine
Concen: 17.786 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.38 min
Lab File: BG041547.D
Acq: 29 Jun 2019 15:31

Tgt Ion: 70 Resp: 31050
Ion Ratio Lower Upper
70 100
42 53.2 52.6 78.8
101 2.1 8.6 13.0#
130 4.5 16.6 25.0#



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): E
Ion 130.00 (129.70 to 130.70): E

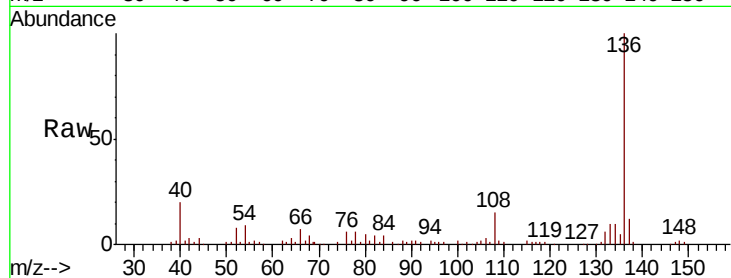




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041547.D
Acq: 29 Jun 2019 15:31

Instrument :
BNA_G
ClientSampleId :
RW-1

Tgt Ion:	136	Resp:	100173
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.3	13.9
54	9.2	7.1	10.7
68	5.3	3.3	4.9#



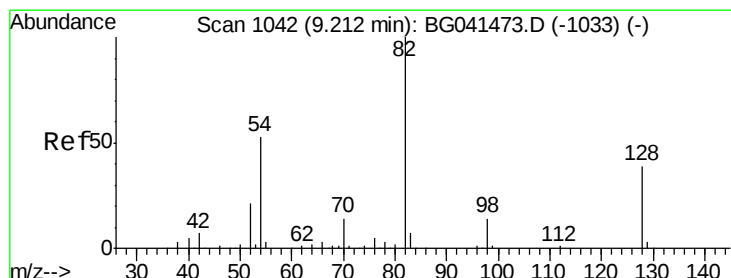
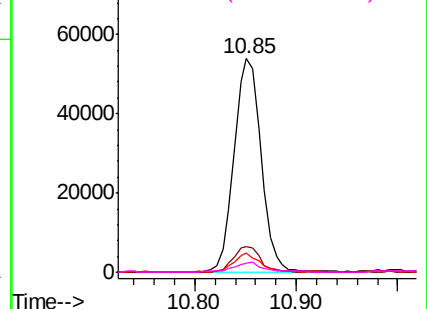
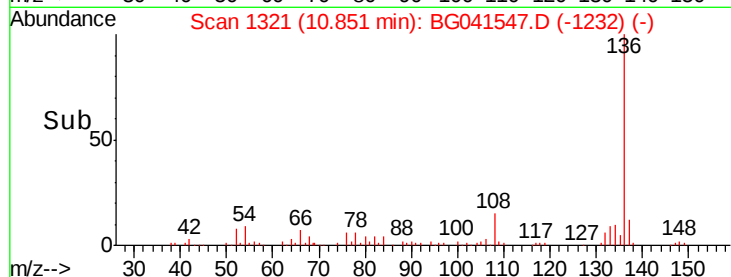
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

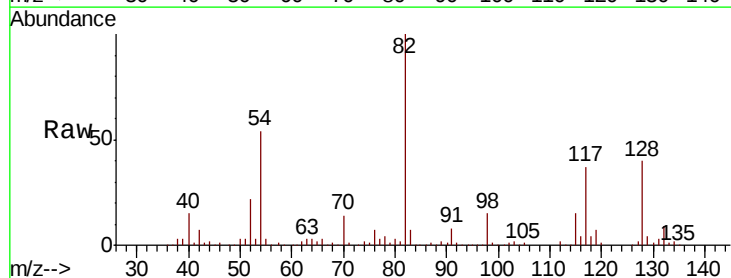
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 89.377 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041547.D
Acq: 29 Jun 2019 15:31

Tgt Ion:	82	Resp:	214667
Ion	Ratio	Lower	Upper
82	100		
128	40.3	30.9	46.3
54	53.8	42.2	63.2

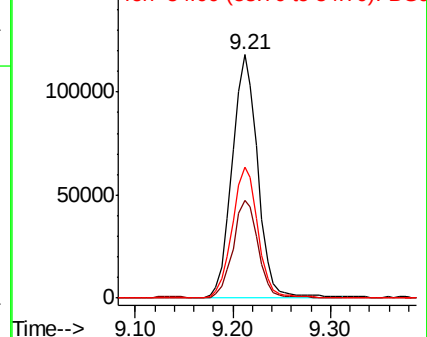
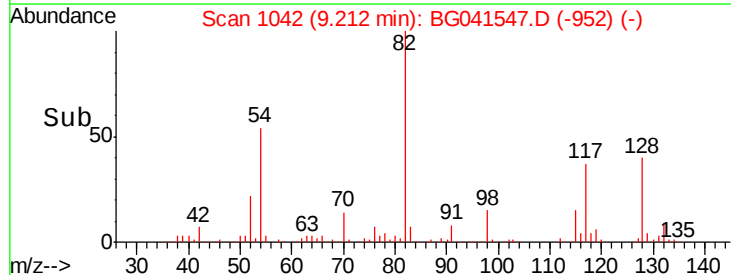


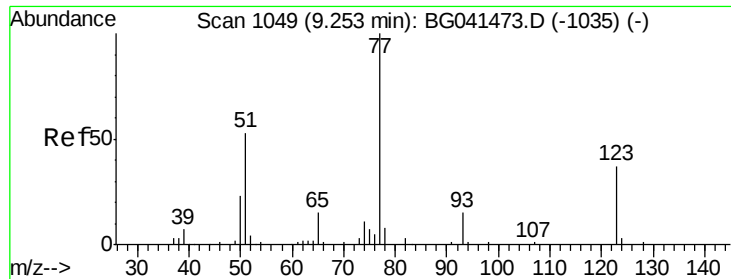
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

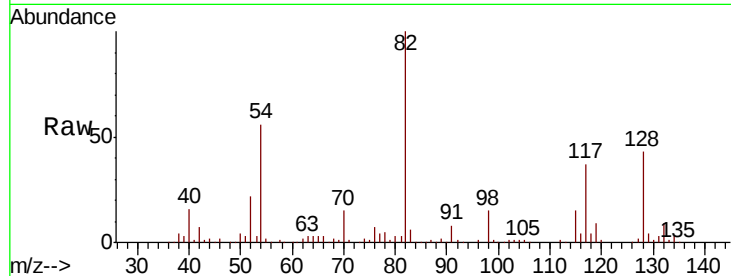




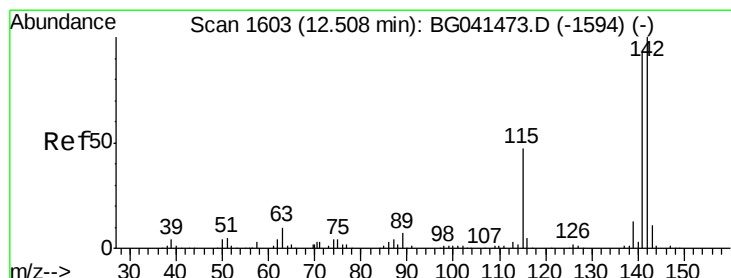
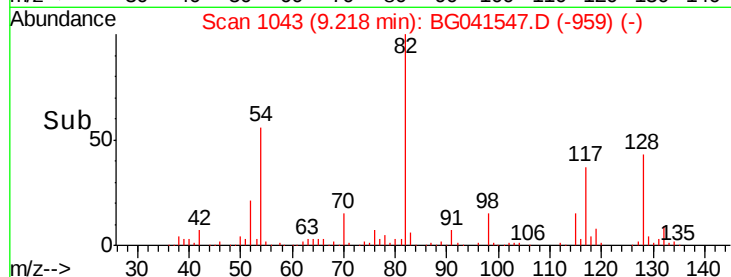
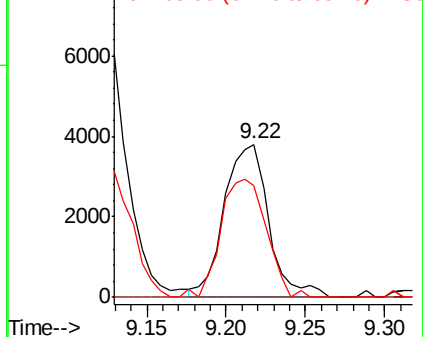
#24
 Nitrobenzene
 Concen: 3.067 ng
 RT: 9.22 min Scan# 1043
 Delta R.T. -0.04 min
 Lab File: BG041547.D
 Acq: 29 Jun 2019 15:31

Instrument :
 BNA_G
 ClientSampleId :
 RW-1

Tgt Ion: 77 Resp: 7394
 Ion Ratio Lower Upper
 77 100
 123 0.0 29.9 44.9#
 65 72.8 12.2 18.4#

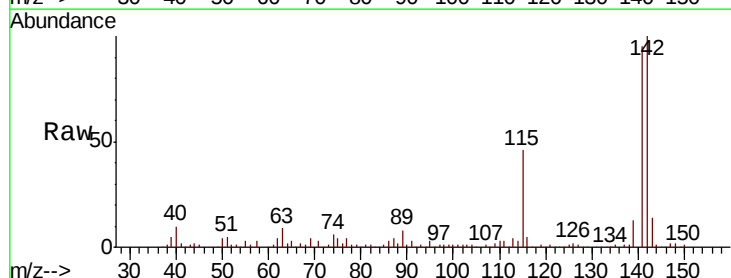


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

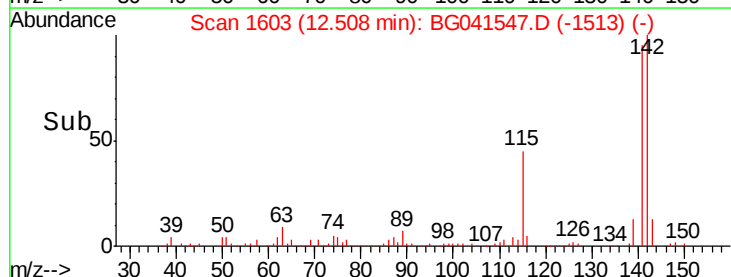
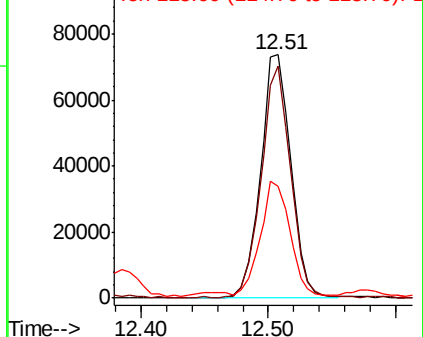


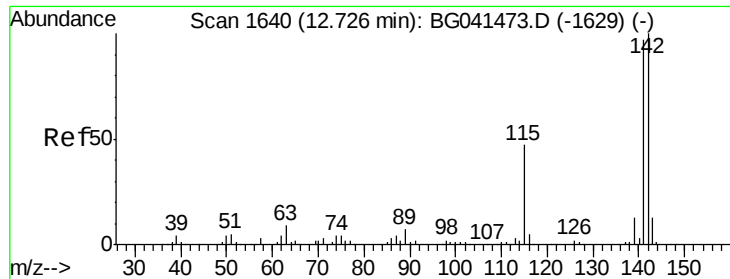
#37
 2-Methylnaphthalene
 Concen: 29.954 ng
 RT: 12.51 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: BG041547.D
 Acq: 29 Jun 2019 15:31

Tgt Ion: 142 Resp: 122593
 Ion Ratio Lower Upper
 142 100
 141 95.4 74.8 112.2
 115 46.0 38.0 57.0



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

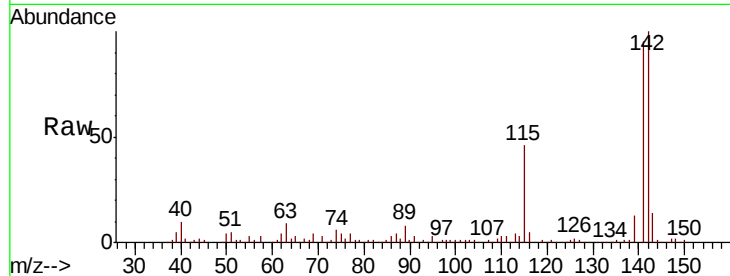




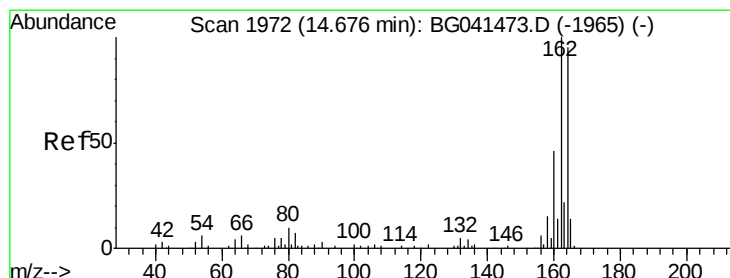
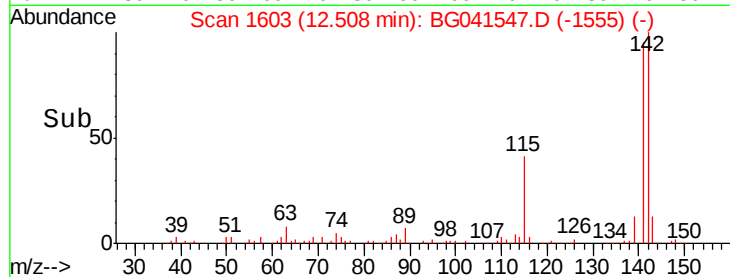
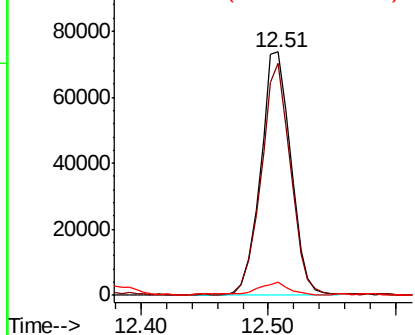
#38
1-Methylnaphthalene
Concen: 31.397 ng
RT: 12.51 min Scan# 1603
Delta R.T. -0.22 min
Lab File: BG041547.D
Acq: 29 Jun 2019 15:31

Instrument :
BNA_G
ClientSampled :
RW-1

Tgt Ion:142 Resp: 122593
Ion Ratio Lower Upper
142 100
141 95.4 77.4 116.2
116 5.4 3.8 5.8

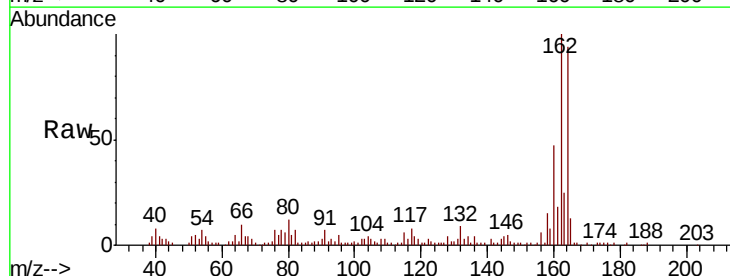


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

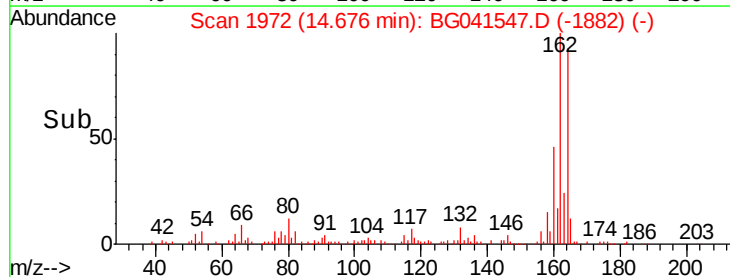
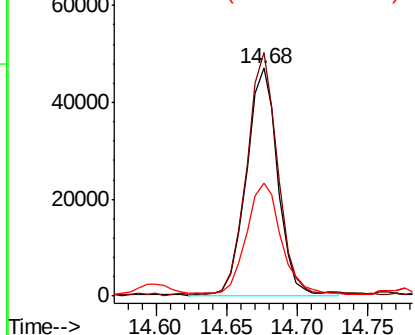


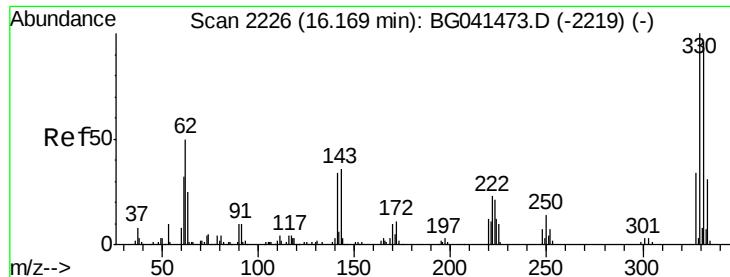
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG041547.D
Acq: 29 Jun 2019 15:31

Tgt Ion:164 Resp: 72864
Ion Ratio Lower Upper
164 100
162 106.8 84.4 126.6
160 49.8 38.8 58.2



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

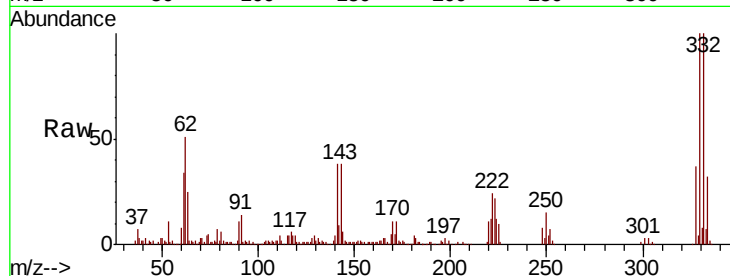




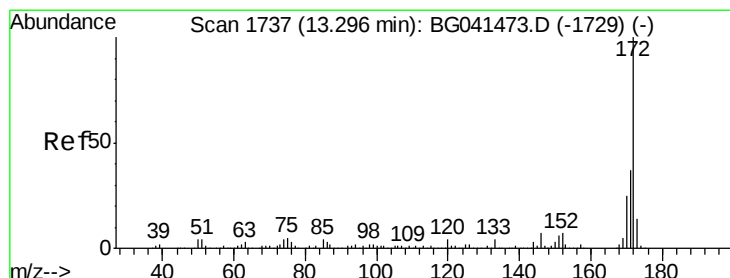
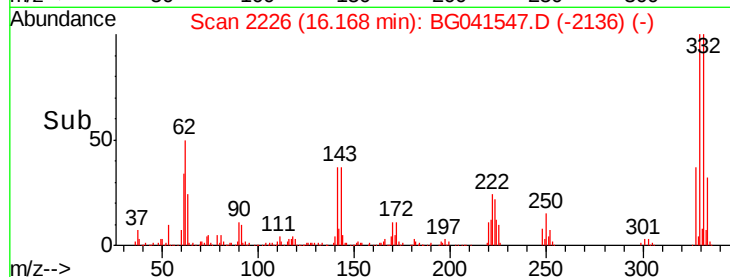
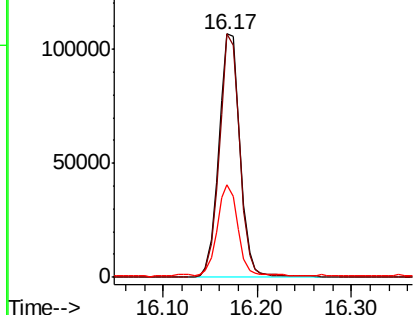
#42
 2,4,6-Tribromophenol
 Concen: 135.623 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG041547.D
 Acq: 29 Jun 2019 15:31

Instrument :
 BNA_G
 ClientSampleId :
 RW-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.5	113.3
141	37.0	27.8	41.6

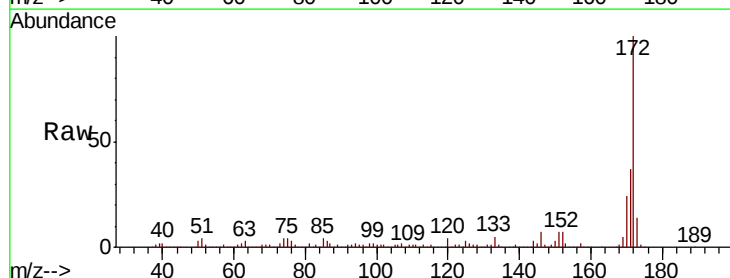


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

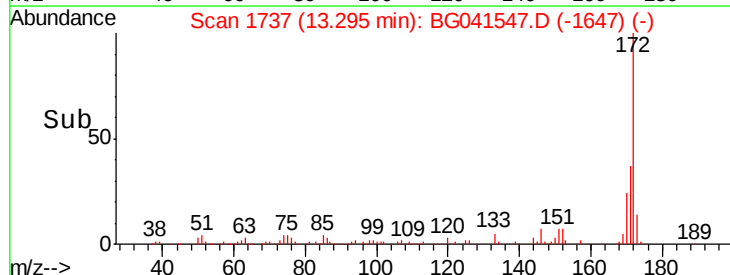
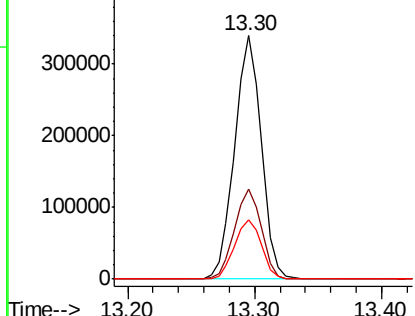


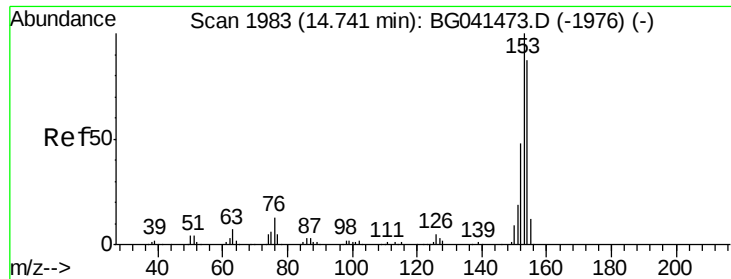
#45
 2-Fluorobiphenyl
 Concen: 86.699 ng
 RT: 13.30 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041547.D
 Acq: 29 Jun 2019 15:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.6	44.4
170	24.4	20.0	30.0



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





#52

Acenaphthene

Concen: 3.982 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

Instrument :

BNA_G

ClientSampleId :

RW-1

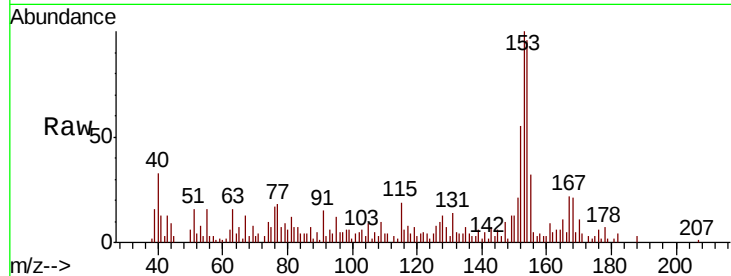
Tgt Ion:154 Resp: 17431

Ion Ratio Lower Upper

154 100

153 104.5 92.2 138.4

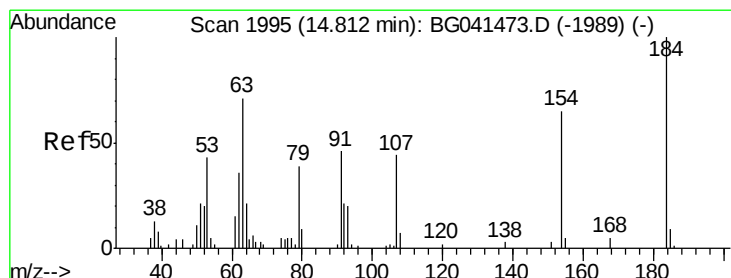
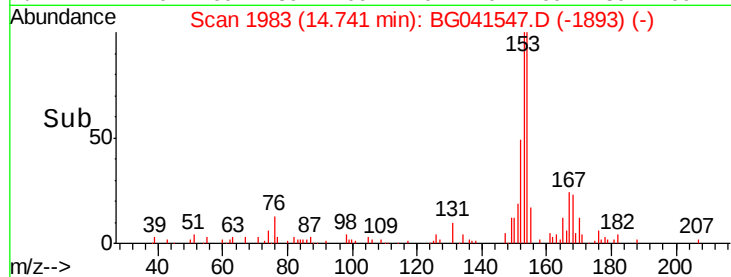
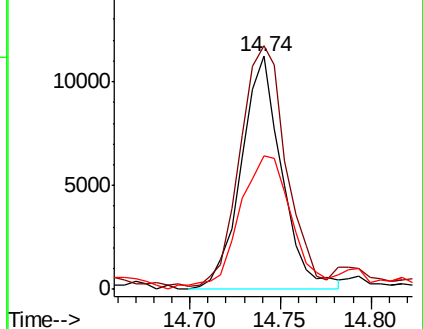
152 57.3 44.1 66.1



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



#54

2,4-Dinitrophenol

Concen: 9.397 ng

RT: 14.96 min Scan# 2021

Delta R.T. 0.15 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

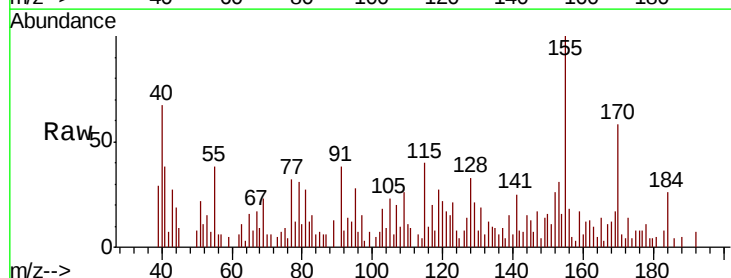
Tgt Ion:184 Resp: 1494

Ion Ratio Lower Upper

184 100

63 40.3 56.5 84.7#

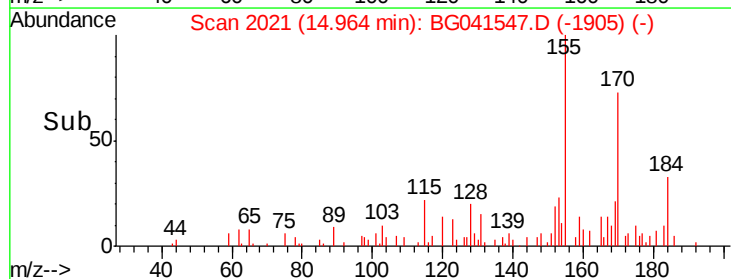
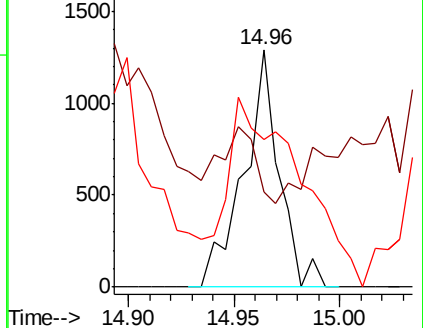
154 62.4 54.2 81.4

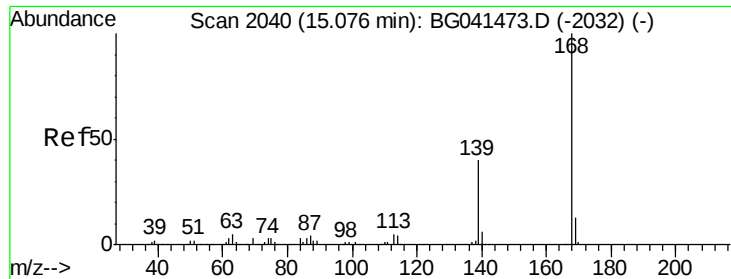


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 3.204 ng

RT: 15.08 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

Instrument :

BNA_G

ClientSampleId :

RW-1

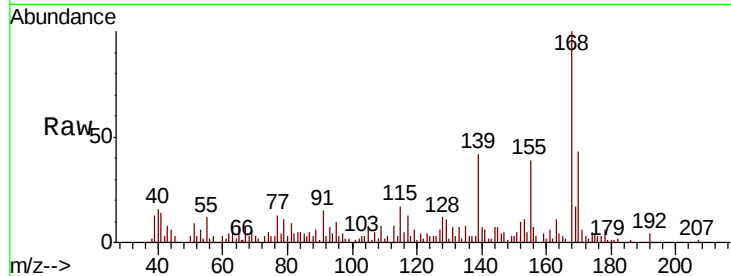
Tgt Ion:168 Resp: 24417

Ion Ratio Lower Upper

168 100

139 42.4 32.2 48.4

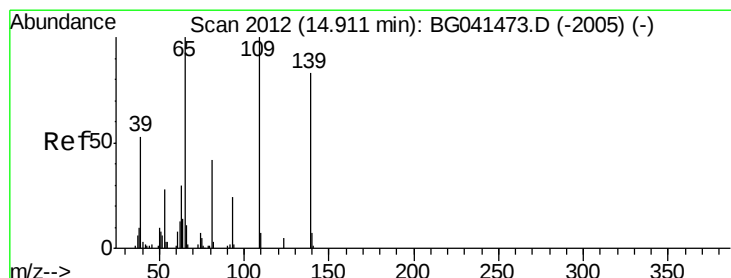
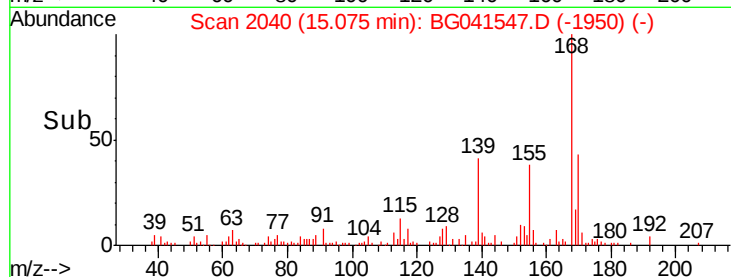
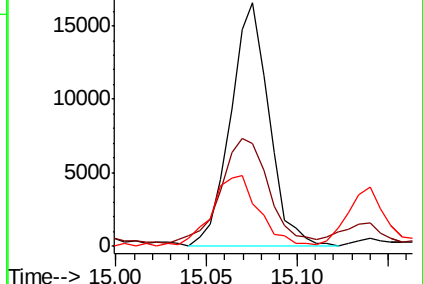
169 17.3 10.6 16.0#



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: 4.501 ng

RT: 14.87 min Scan# 2005

Delta R.T. -0.04 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

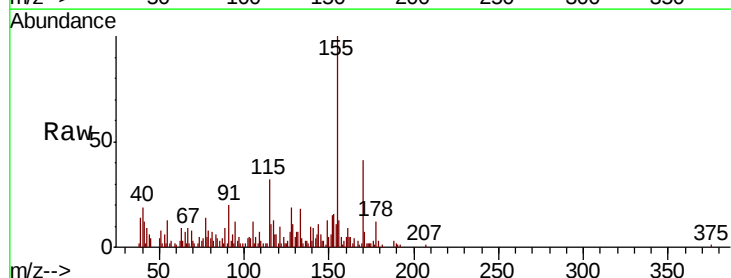
Tgt Ion:139 Resp: 3902

Ion Ratio Lower Upper

139 100

109 73.0 99.9 139.9#

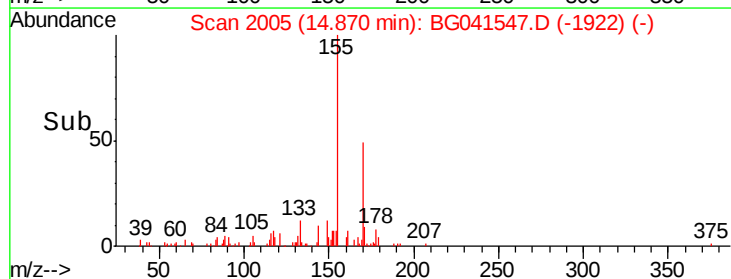
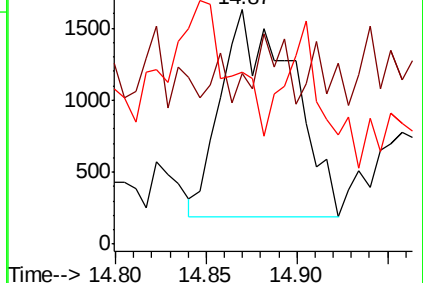
65 73.2 100.6 140.6#

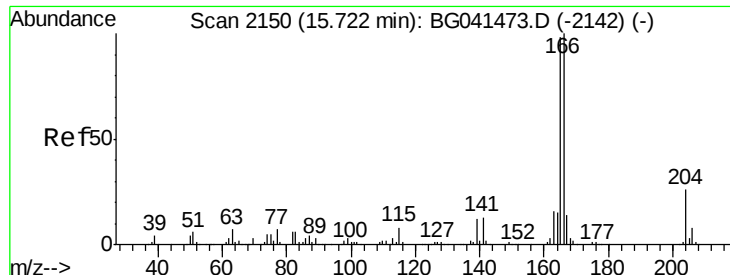


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#58

Fluorene

Concen: 5.796 ng

RT: 15.72 min Scan# 2150

Delta R.T. -0.00 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

Instrument :

BNA_G

ClientSampleId :

RW-1

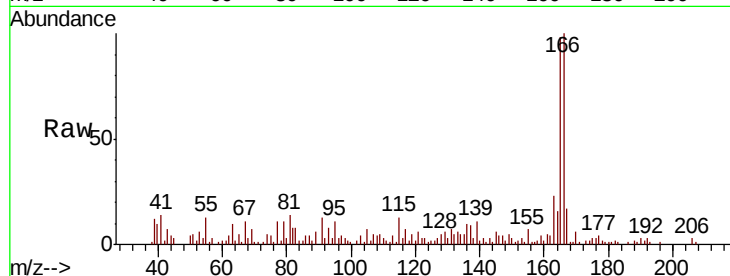
Tgt Ion:166 Resp: 35133

Ion Ratio Lower Upper

166 100

165 98.2 78.6 117.8

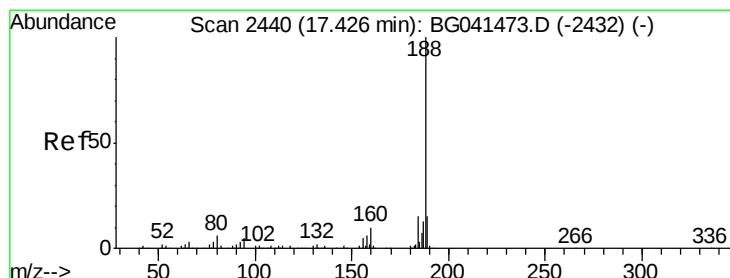
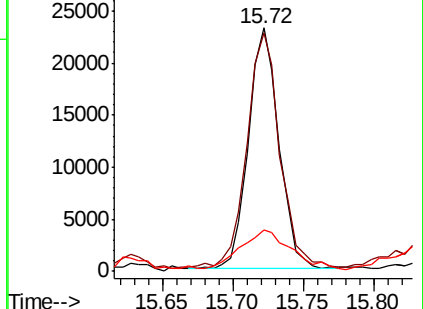
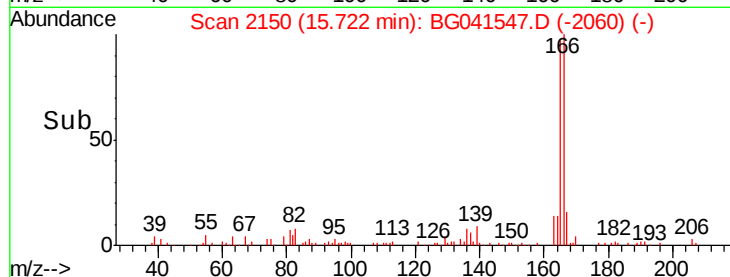
167 17.2 11.4 17.0#



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: 17.43 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

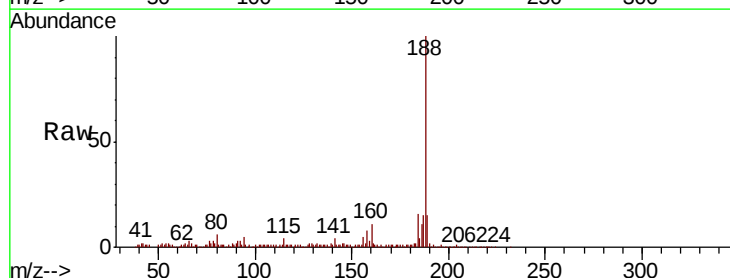
Tgt Ion:188 Resp: 191607

Ion Ratio Lower Upper

188 100

94 5.1 3.8 5.8

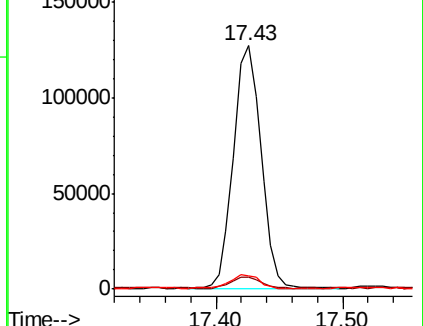
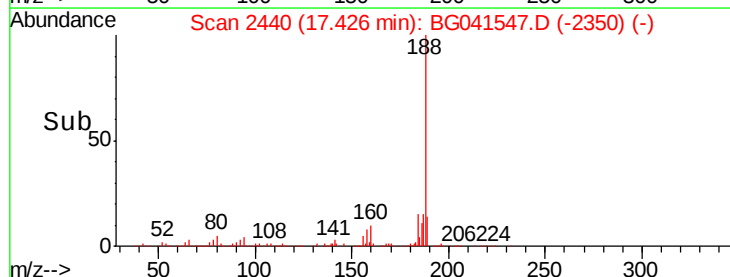
80 5.6 4.8 7.2

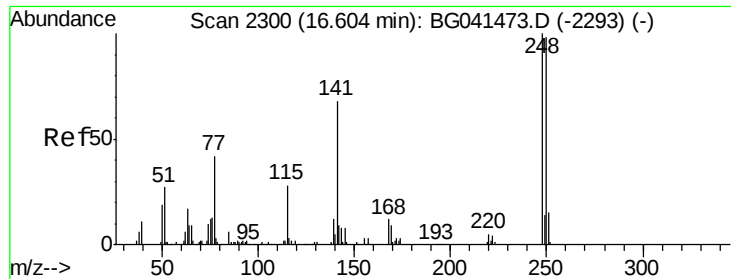


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

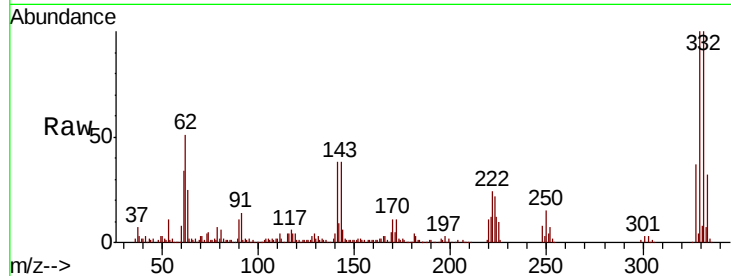




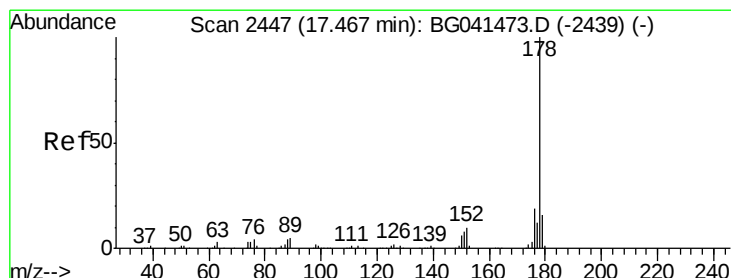
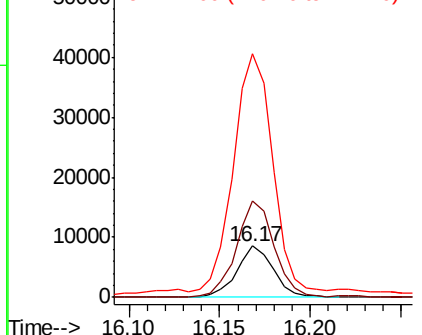
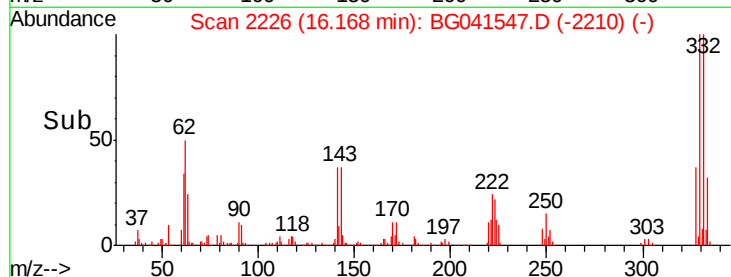
#67
 4-Bromophenyl-phenylether
 Concen: 4.531 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.44 min
 Lab File: BG041547.D
 Acq: 29 Jun 2019 15:31

Instrument :
 BNA_G
 ClientSampleId :
 RW-1

Tgt Ion:248 Resp: 11865
 Ion Ratio Lower Upper
 248 100
 250 188.8 78.1 117.1#
 141 476.3 54.1 81.1#

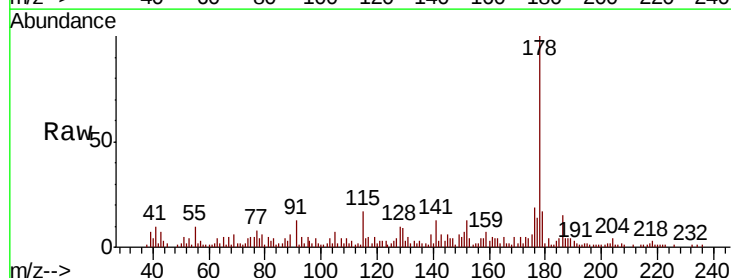


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

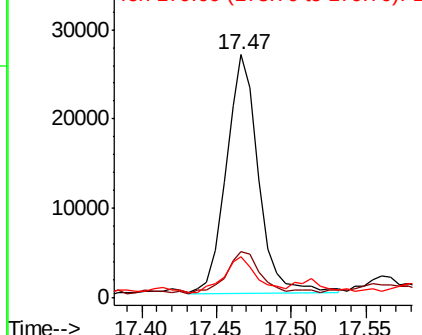
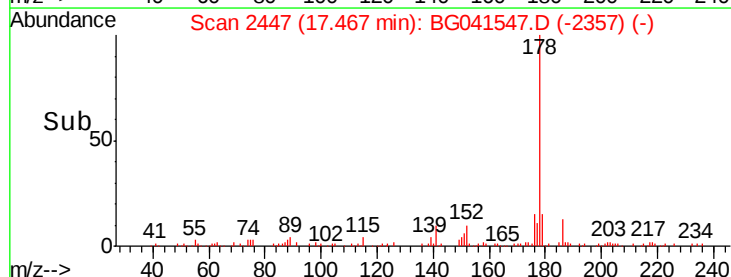


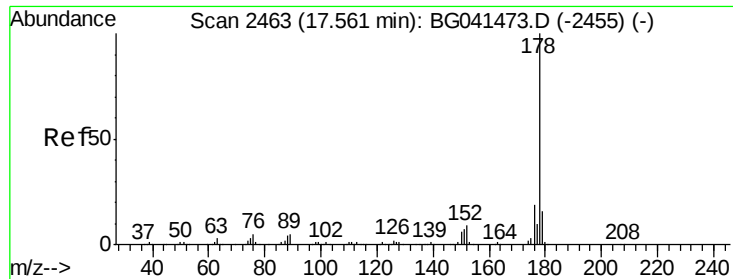
#71
 Phenanthrene
 Concen: 3.826 ng
 RT: 17.47 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BG041547.D
 Acq: 29 Jun 2019 15:31

Tgt Ion:178 Resp: 40388
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 17.0 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





#72

Anthracene

Concen: 3.824 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.09 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

Instrument :

BNA_G

ClientSampleId :

RW-1

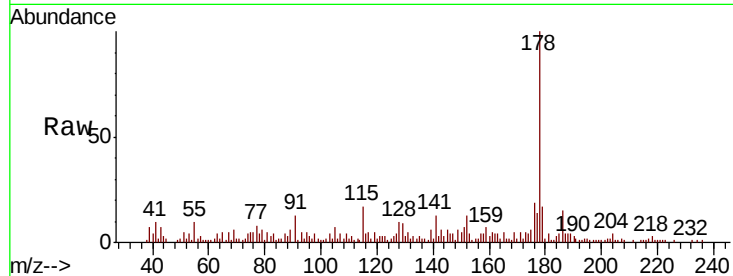
Tgt Ion:178 Resp: 40388

Ion Ratio Lower Upper

178 100

176 19.3 14.8 22.2

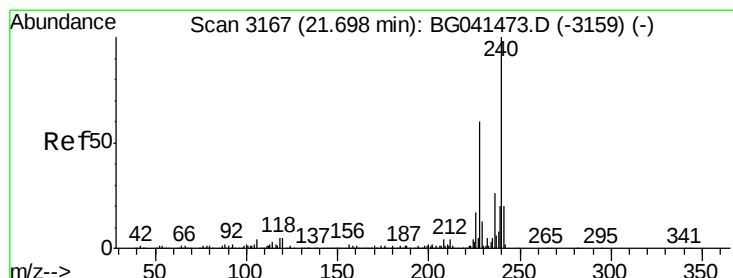
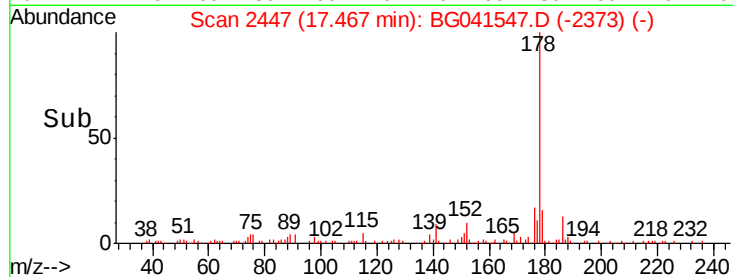
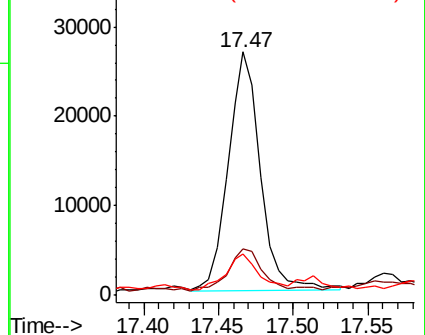
179 17.0 12.8 19.2



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: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

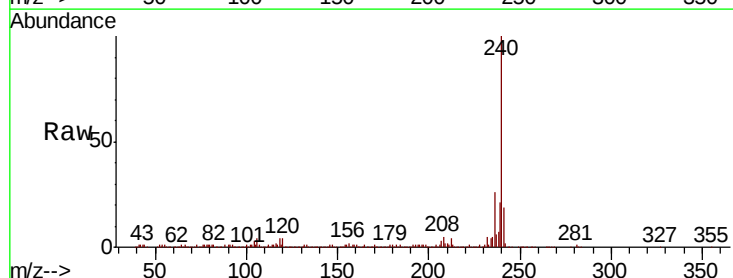
Tgt Ion:240 Resp: 232488

Ion Ratio Lower Upper

240 100

120 4.3 3.7 5.5

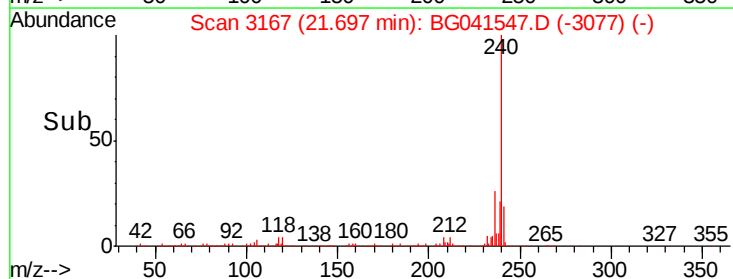
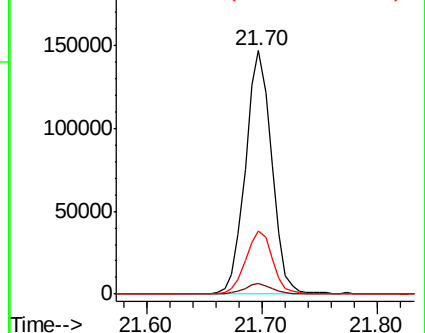
236 25.9 20.8 31.2

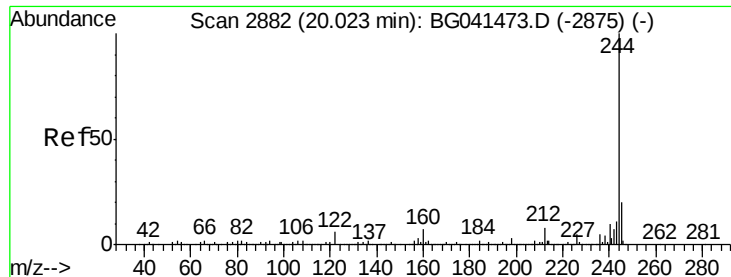


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 93.103 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.01 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

Instrument :

BNA_G

ClientSampleId :

RW-1

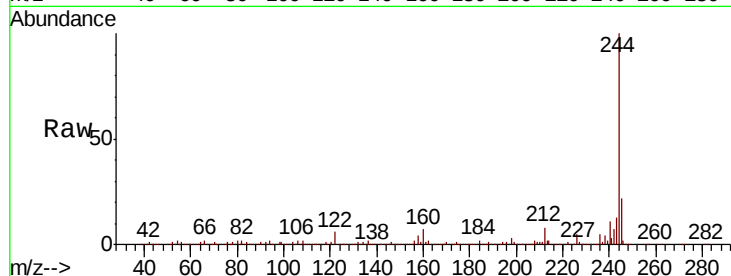
Tgt Ion:244 Resp: 1018560

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.4

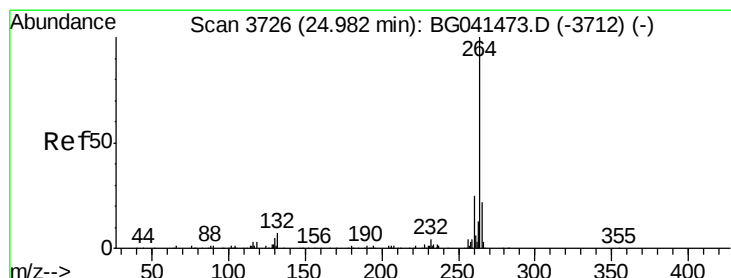
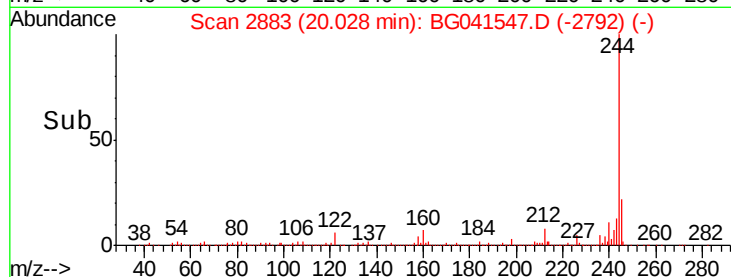
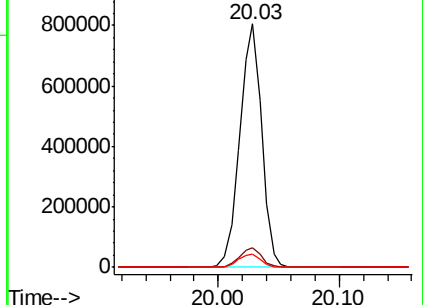
122 5.6 4.8 7.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3727

Delta R.T. 0.01 min

Lab File: BG041547.D

Acq: 29 Jun 2019 15:31

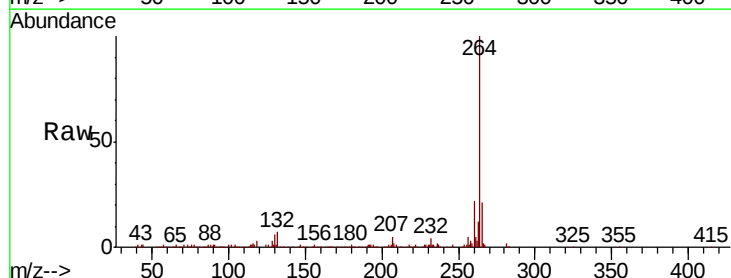
Tgt Ion:264 Resp: 257522

Ion Ratio Lower Upper

264 100

260 21.5 19.7 29.5

265 20.9 17.4 26.2



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

