

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\
 Data File : BG028832.D
 Acq On : 20 Sep 2017 15:16
 Operator : SJ/JU
 Sample : I5113-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 21 01:24:14 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

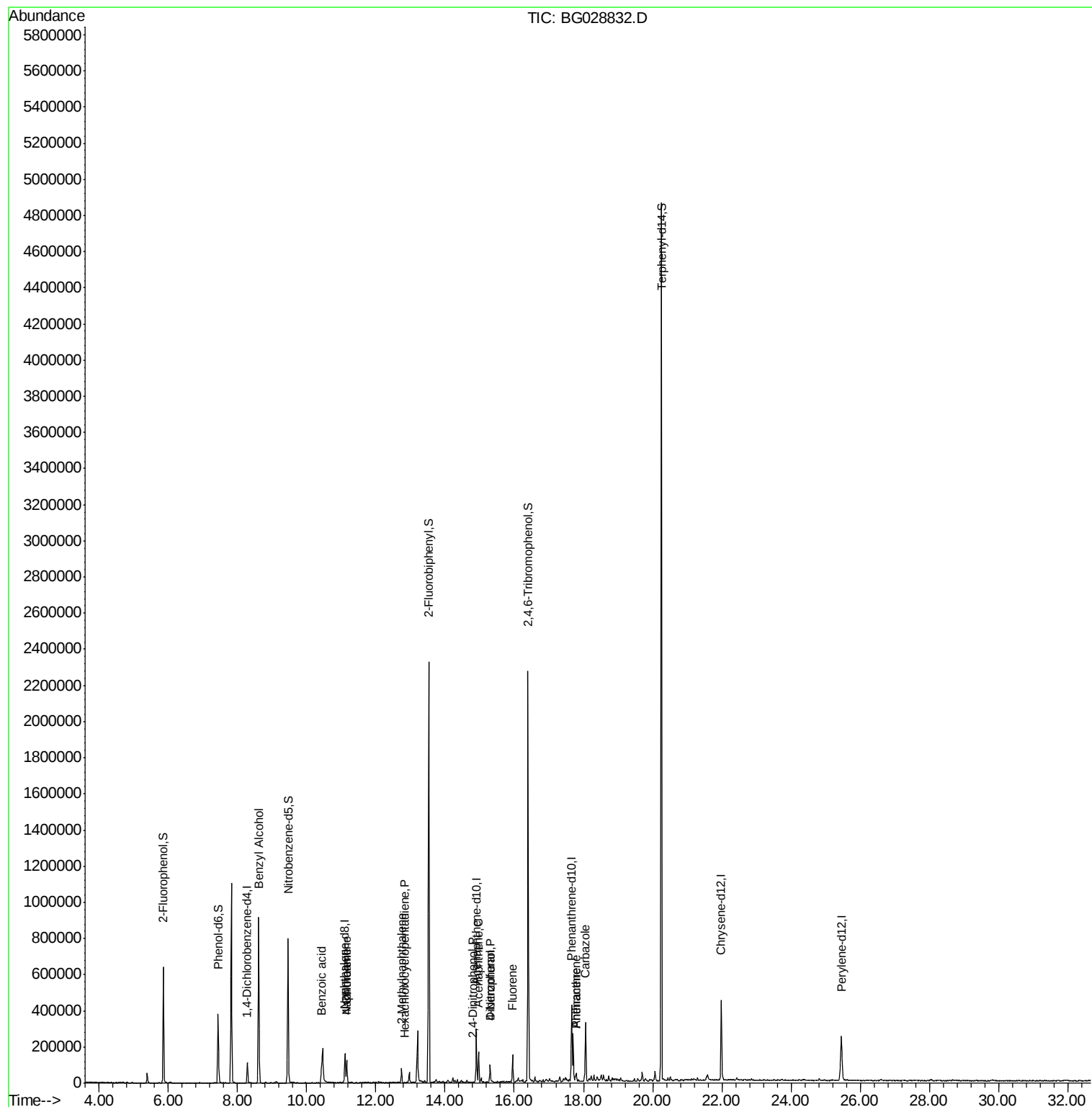
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	32230	20.00	ng	-0.04
21) Naphthalene-d8	11.11	136	137126	20.00	ng	-0.04
38) Acenaphthene-d10	14.91	164	102221	20.00	ng	-0.04
63) Phenanthrene-d10	17.66	188	276733	20.00	ng	-0.04
75) Chrysene-d12	21.98	240	304969	20.00	ng	-0.05
86) Perylene-d12	25.45	264	313489	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	275154	140.87	ng	-0.04
7) Phenol-d6	7.45	99	231963	78.88	ng	-0.04
23) Nitrobenzene-d5	9.46	82	510912	178.24	ng	-0.04
41) 2,4,6-Tribromophenol	16.41	330	520056	307.60	ng	-0.03
44) 2-Fluorobiphenyl	13.53	172	1288019	168.02	ng	-0.03
78) Terphenyl-d14	20.25	244	2285490	159.82	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	8.60	79	8255	3.60	ng	# 71
31) Naphthalene	11.16	128	103811	14.49	ng	96
32) Benzoic acid	10.44	122	2171	7.17	ng	# 81
33) 4-Chloroaniline	11.16	127	14030	4.68	ng	# 30
37) 2-Methylnaphthalene	12.74	142	37241	6.96	ng	96
40) Hexachlorocyclopentadiene	12.82	237	56	7.63	ng	# 29
51) Acenaphthene	14.97	154	64202	10.72	ng	95
53) 2,4-Dinitrophenol	14.80	184	53	8.05	ng	# 15
54) Dibenzofuran	15.31	168	54560	5.71	ng	91
55) 4-Nitrophenol	15.30	139	21570	17.45	ng	# 1
57) Fluorene	15.95	166	68968	8.09	ng	97
70) Phenanthrene	17.79	178	33350	2.36	ng	93
71) Anthracene	17.79	178	33350	2.33	ng	96
72) Carbazole	18.06	167	224361	17.43	ng	93

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

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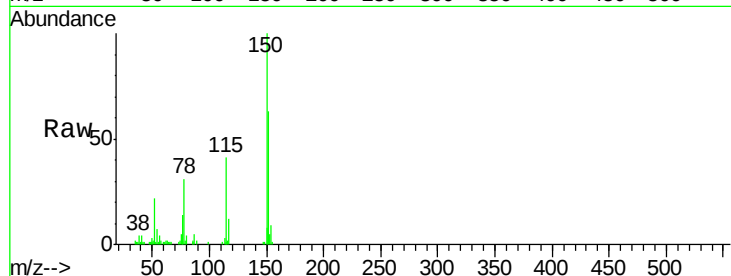


#1

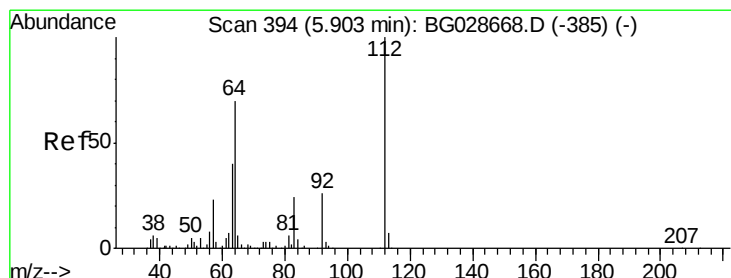
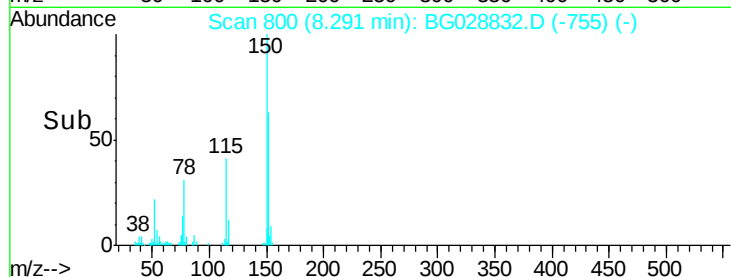
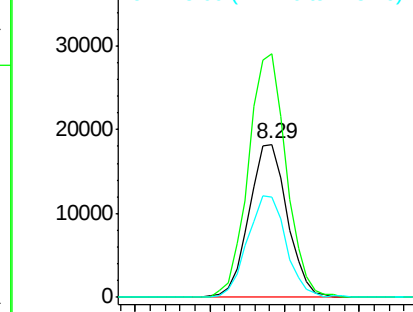
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.29 min Scan# 800
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	114.0	171.0
115	65.5	48.1	72.1



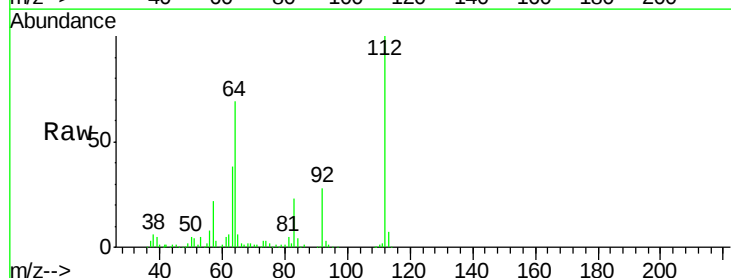
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



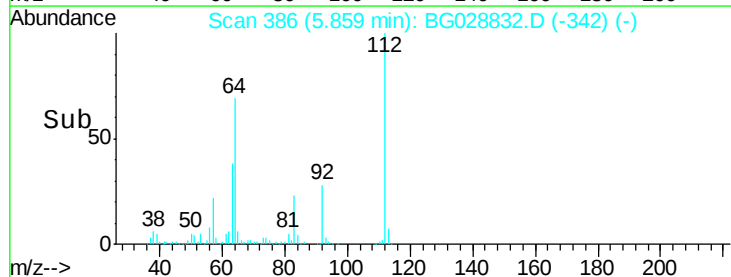
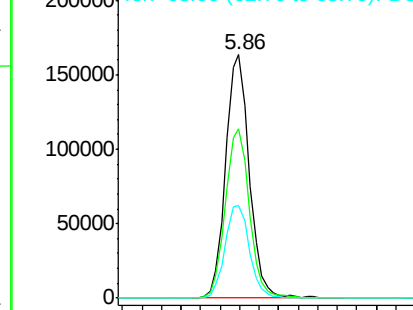
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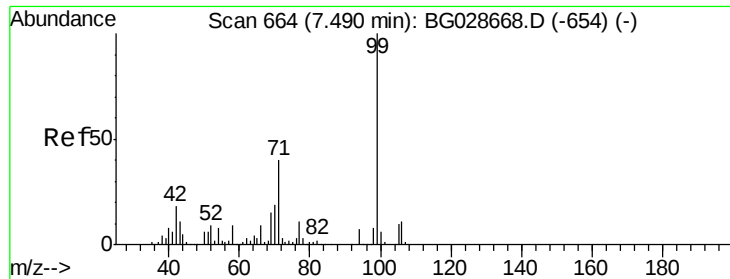
2-Fluorophenol
Concen: 140.87 ng
RT: 5.86 min Scan# 386
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	61.8	92.6
63	38.2	37.2	55.8



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: 78.88 ng

RT: 7.45 min Scan# 656

Delta R.T. -0.04 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Instrument :

BNA_G

ClientSampleId :

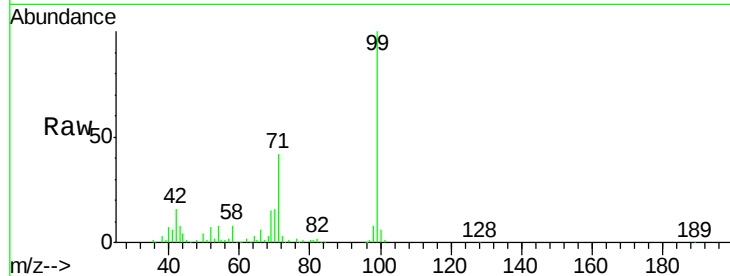
Tot Ion: 99 Resp: 231963

Ion Ratio Lower Upper

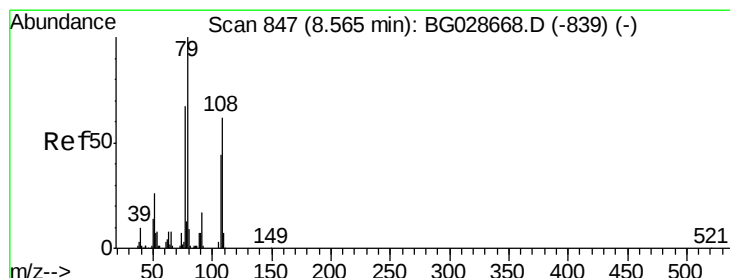
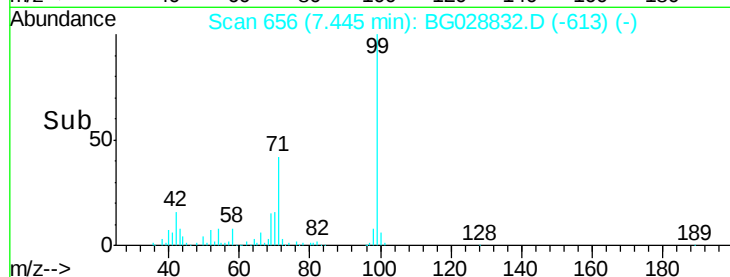
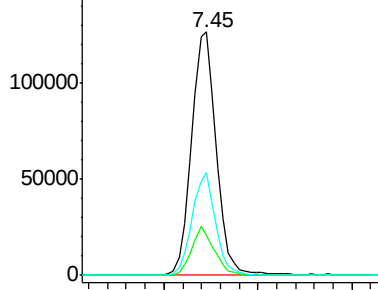
99 100

42 16.4 20.5 30.7#

71 42.4 37.6 56.4



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



#15

Benzyl Alcohol

Concen: 3.60 ng

RT: 8.60 min Scan# 853

Delta R.T. 0.04 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

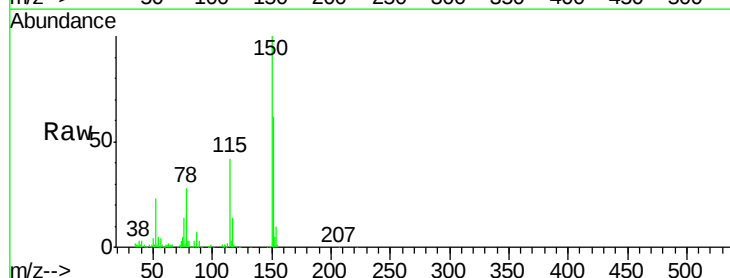
Tgt Ion: 79 Resp: 8255

Ion Ratio Lower Upper

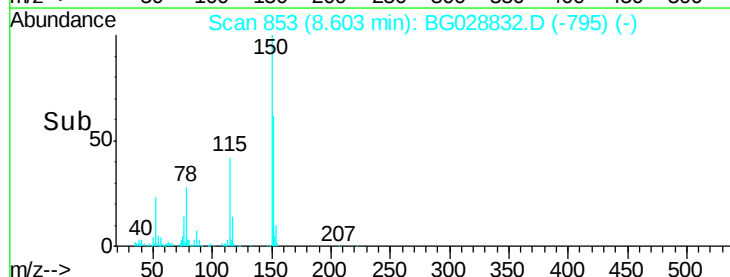
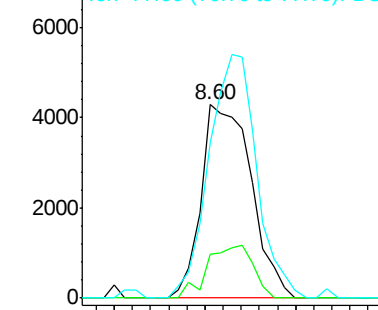
79 100

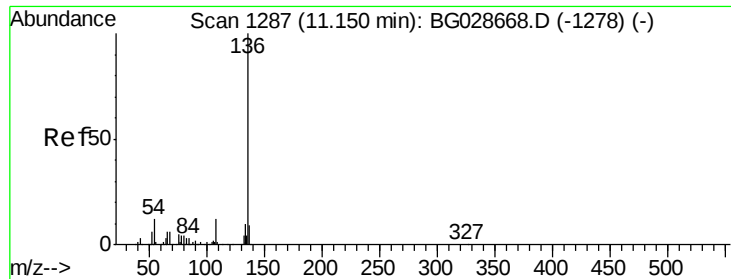
108 23.0 45.5 68.3#

77 80.3 54.3 81.5



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

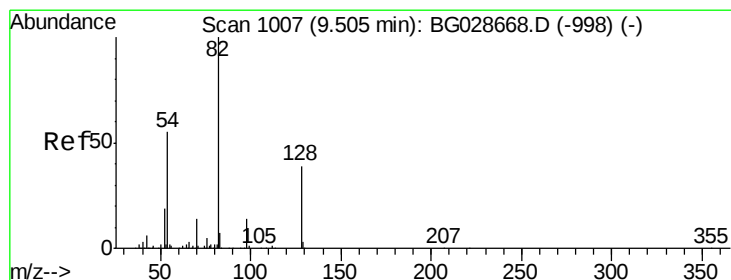
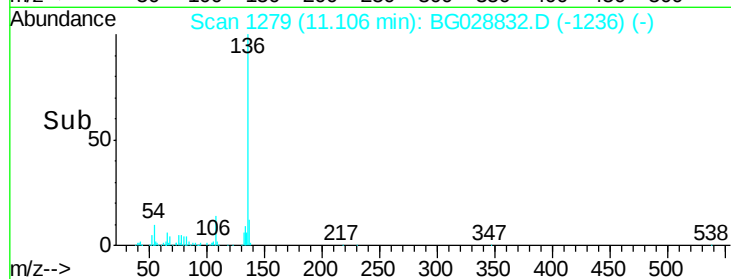
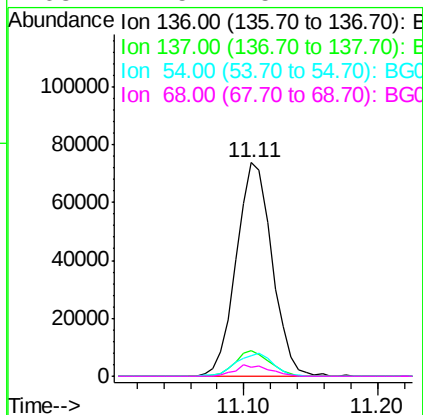
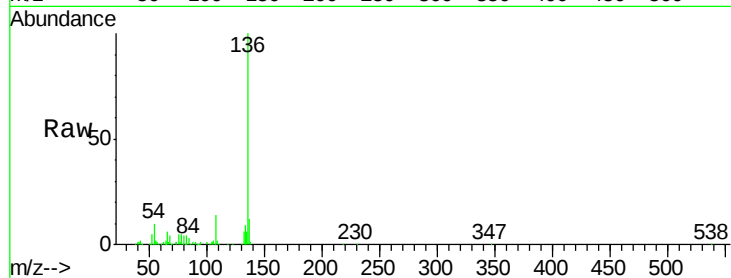




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 1279
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

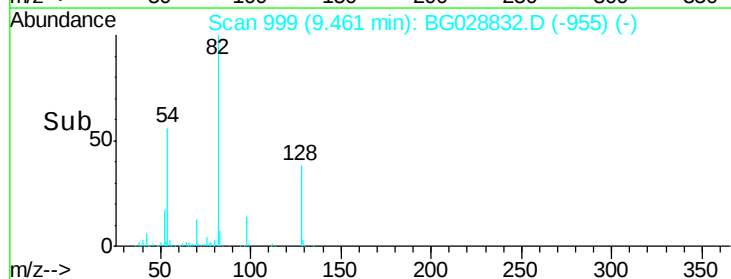
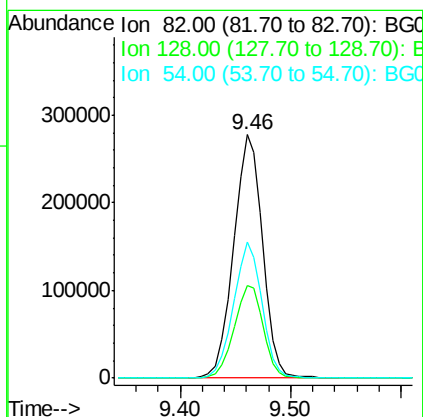
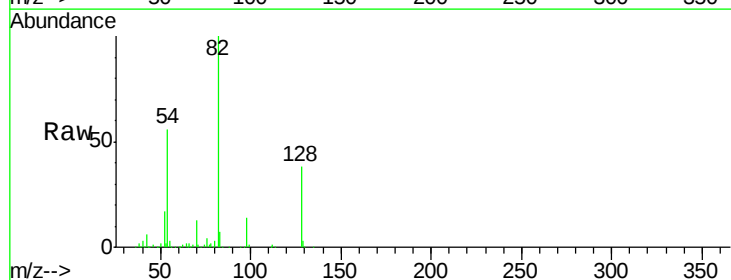
Instrument :
BNA_G
ClientSampleId :

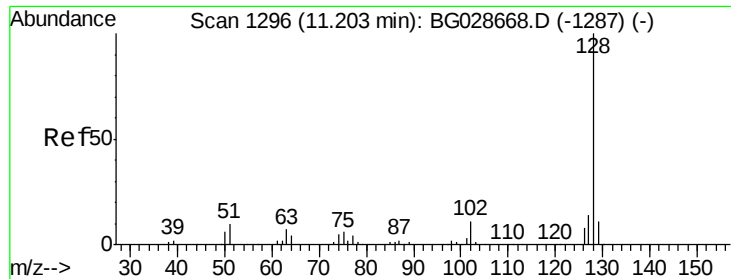
Tot Ion:136	Resp:	137126
Ion Ratio	Lower	Upper
136 100		
137 11.8	8.9	13.3
54 9.8	9.3	13.9
68 4.5	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 178.24 ng
RT: 9.46 min Scan# 999
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt	Ion: 82	Resp:	510912
Ion	Ratio	Lower	Upper
82	100		
128	37.8	26.4	39.6
54	55.9	49.4	74.2

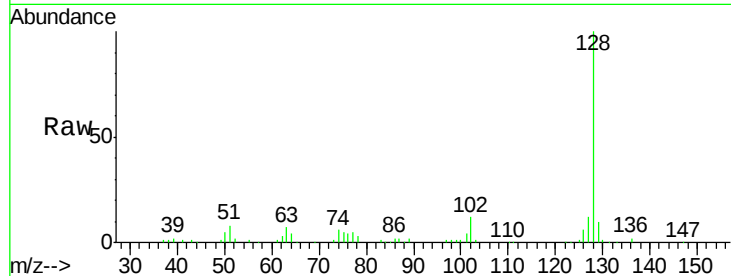




#31
Naphthalene
Concen: 14.49 ng
RT: 11.16 min Scan# 1288
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.9	9.3	13.9
127	12.4	11.4	17.0

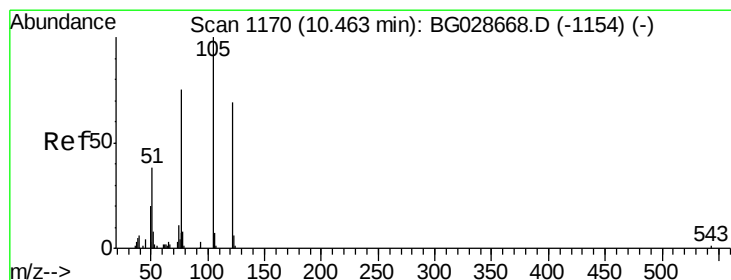
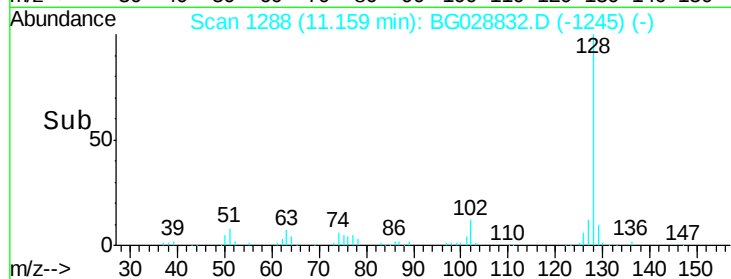
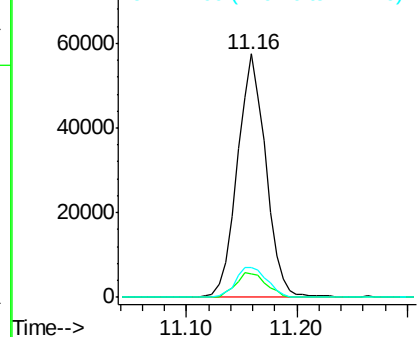


Abundance

Ion 128.00 (127.70 to 128.70): E

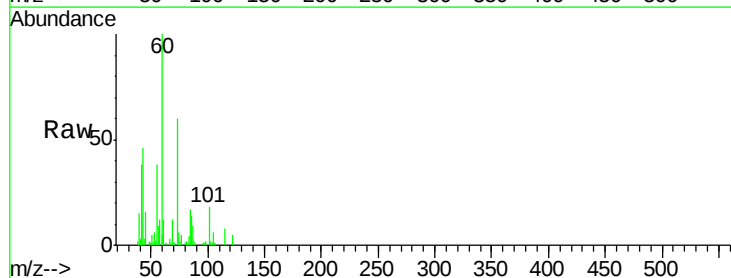
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 7.17 ng
RT: 10.44 min Scan# 1165
Delta R.T. -0.03 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.1	120.1	160.1
77	96.6	104.6	144.6#

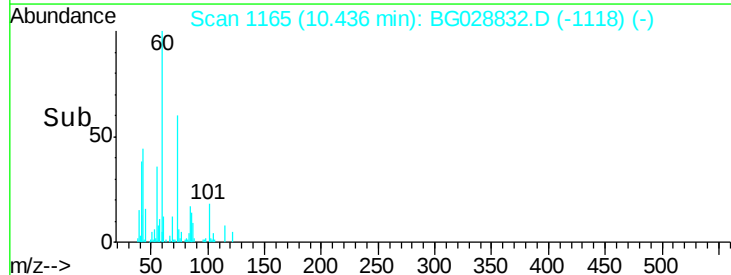
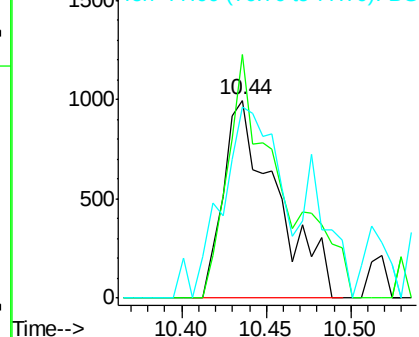


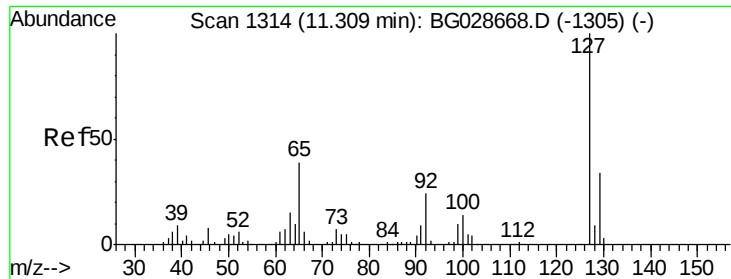
Abundance

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): BG

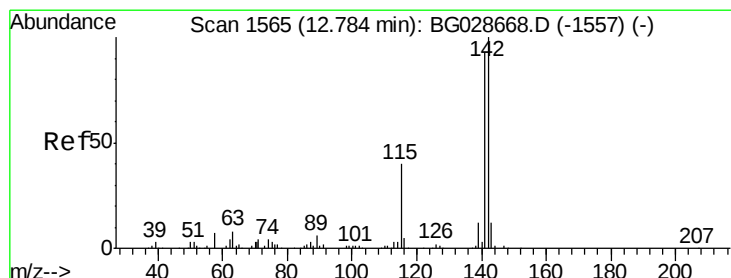
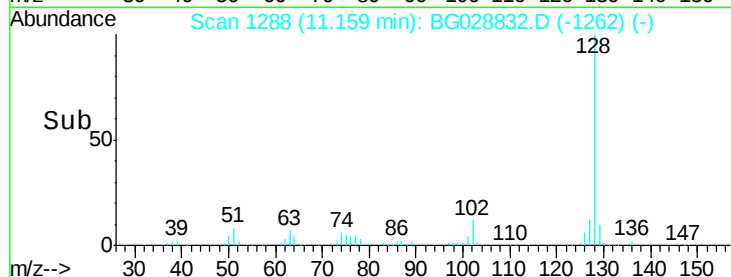
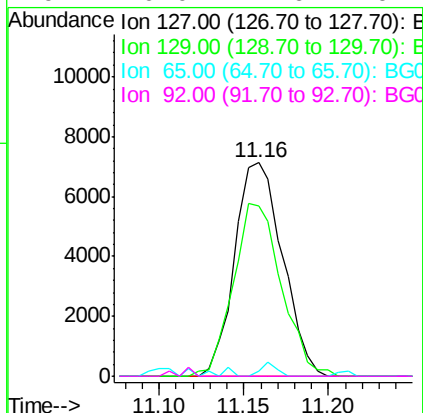
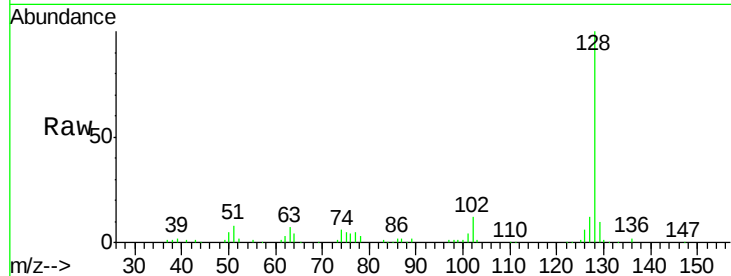




#33
4-Chloroaniline
Concen: 4.68 ng
RT: 11.16 min Scan# 1288
Delta R.T. -0.15 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

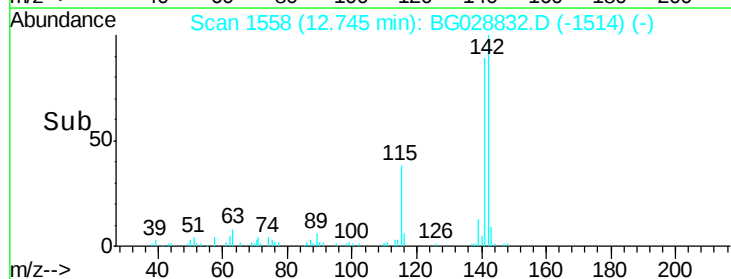
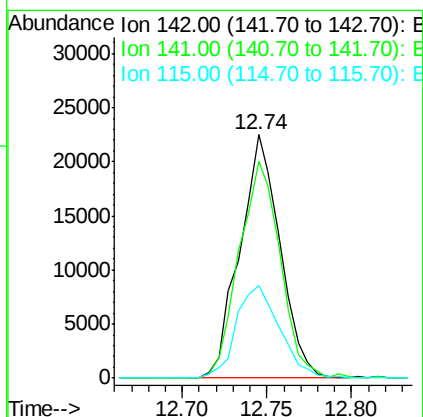
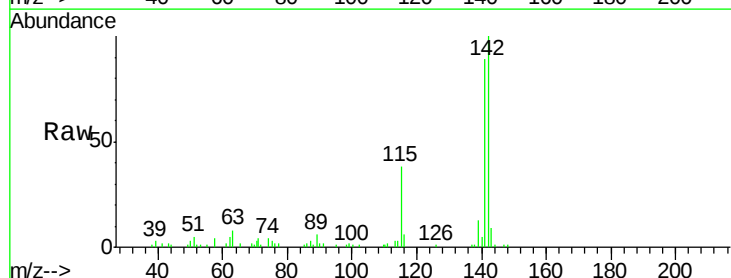
Instrument :
BNA_G
ClientSampled :

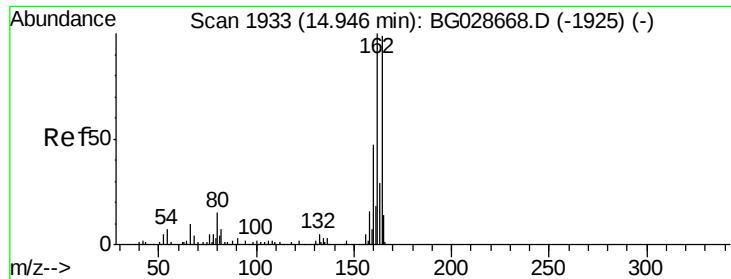
Tot Ion:127	Resp:	14030
Ion Ratio	Lower	Upper
127	100	
129	79.8	23.6 35.4#
65	2.5	37.7 56.5#
92	0.0	17.6 26.4#



#37
2-Methylnaphthalene
Concen: 6.96 ng
RT: 12.74 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt Ion:142	Resp:	37241
Ion Ratio	Lower	Upper
142	100	
141	89.2	70.4 105.6
115	38.0	35.5 53.3

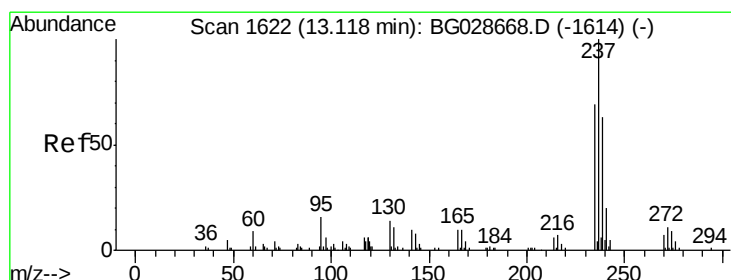
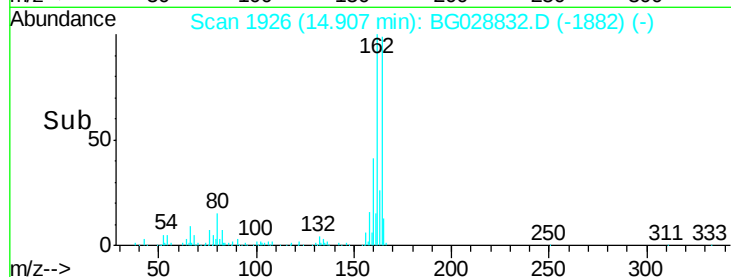
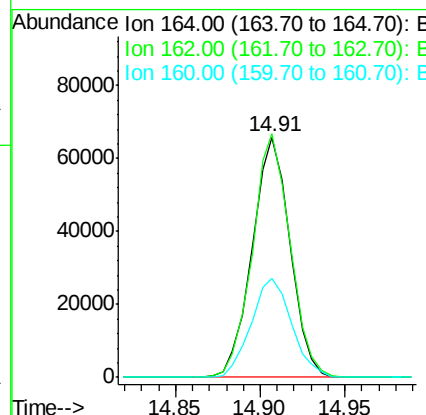
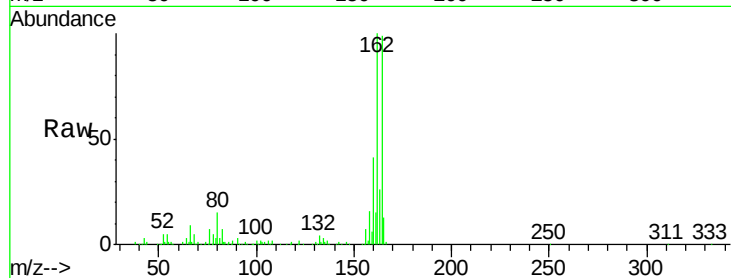




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.91 min Scan# 1926
 Delta R.T. -0.04 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

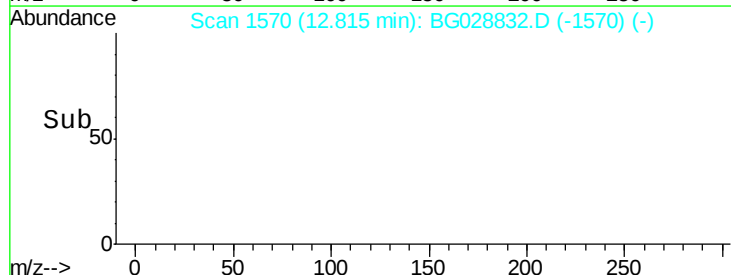
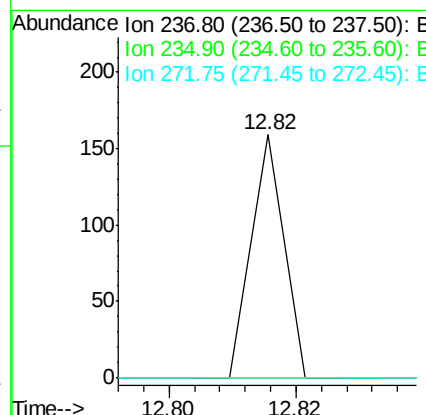
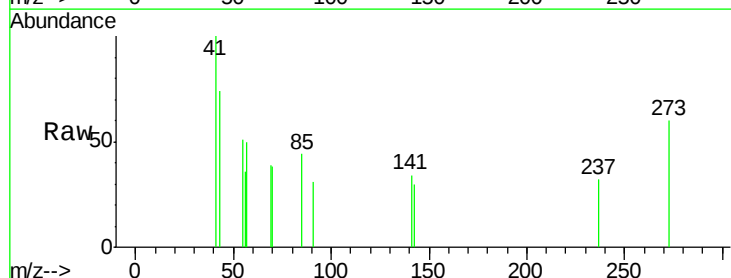
Instrument :
 BNA_G
 ClientSampleId :

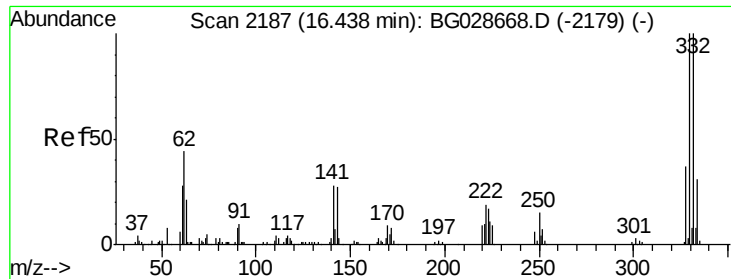
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	85.1	127.7
160	41.3	34.7	52.1



#40
 Hexachlorocyclopentadiene
 Concen: 7.63 ng
 RT: 12.82 min Scan# 1570
 Delta R.T. -0.30 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
237	100		
235	0.0	39.4	79.4#
272	0.0	0.0	32.0

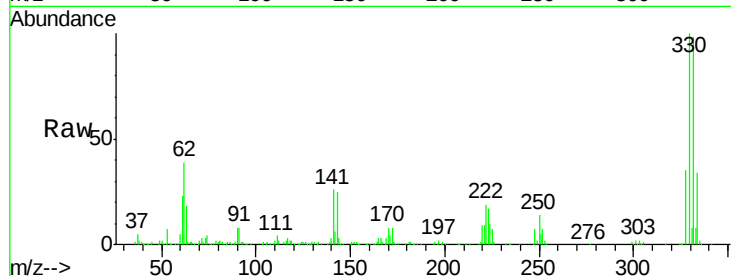




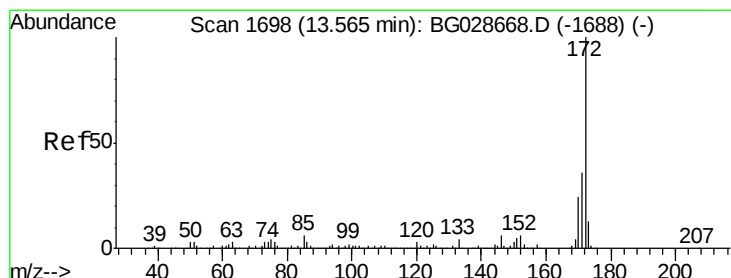
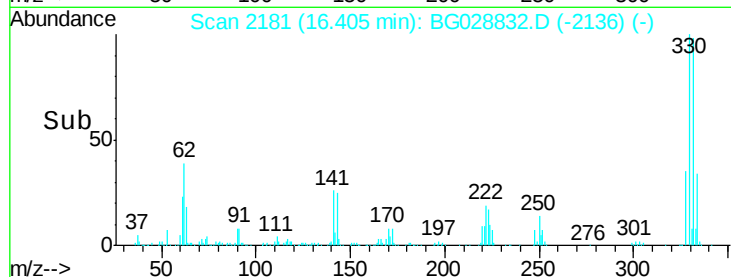
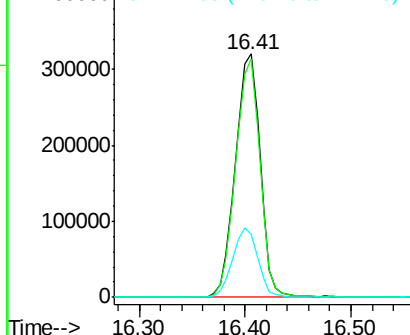
#41
 2,4,6-Tribromophenol
 Concen: 307.60 ng
 RT: 16.41 min Scan# 2181
 Delta R.T. -0.03 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	28.9	32.1	48.1#

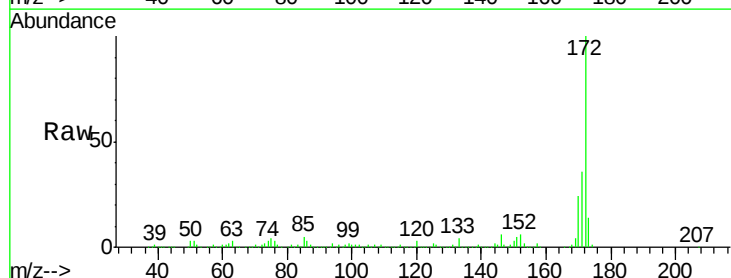


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

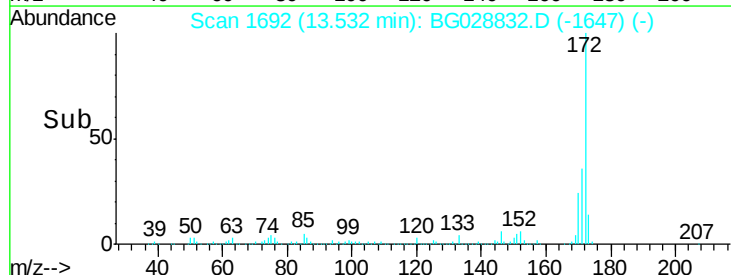
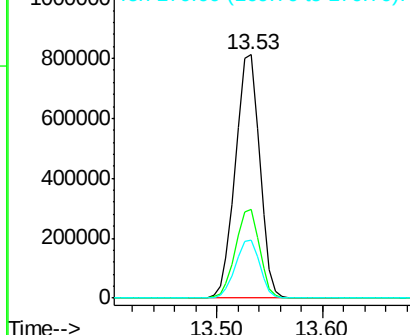


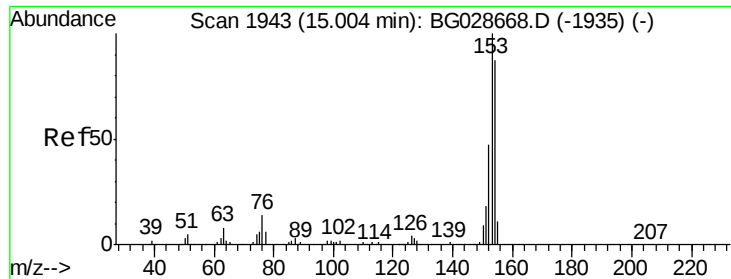
#44
 2-Fluorobiphenyl
 Concen: 168.02 ng
 RT: 13.53 min Scan# 1692
 Delta R.T. -0.03 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	32.2	48.2
170	23.8	21.8	32.6



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





#51

Acenaphthene

Concen: 10.72 ng

RT: 14.97 min Scan# 1936

Delta R.T. -0.04 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Instrument :

BNA_G

ClientSampleId :

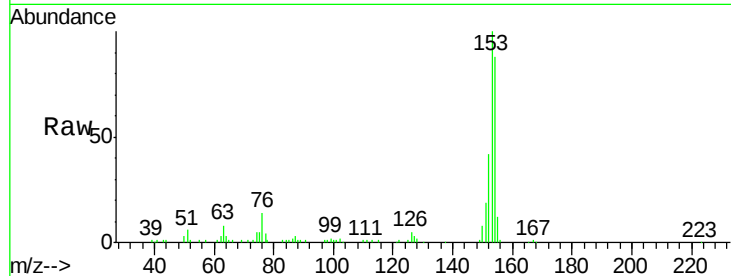
Tot Ion:154 Resp: 64202

Ion Ratio Lower Upper

154 100

153 113.5 87.8 131.6

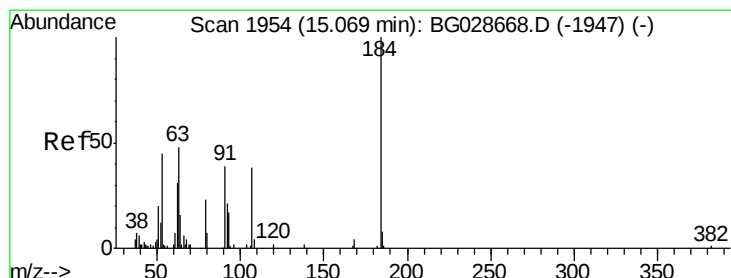
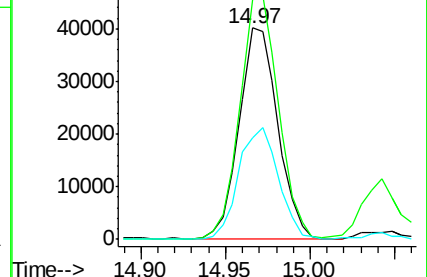
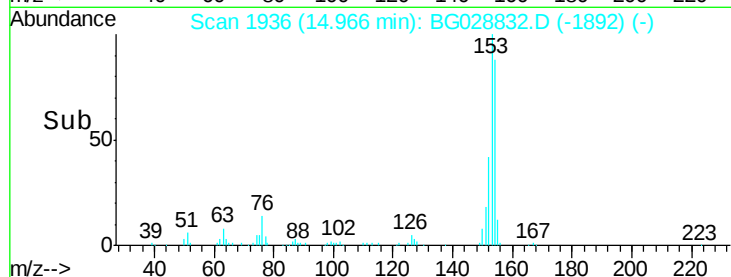
152 48.0 42.2 63.4



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

2,4-Dinitrophenol

Concen: 8.05 ng

RT: 14.80 min Scan# 1908

Delta R.T. -0.27 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

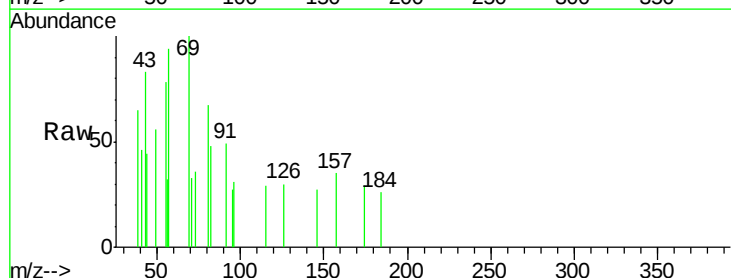
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

63 0.0 52.7 79.1#

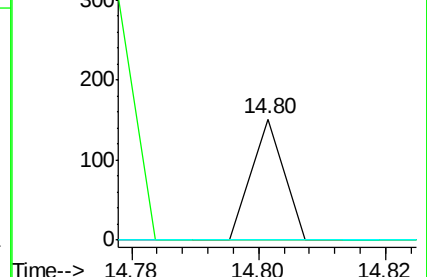
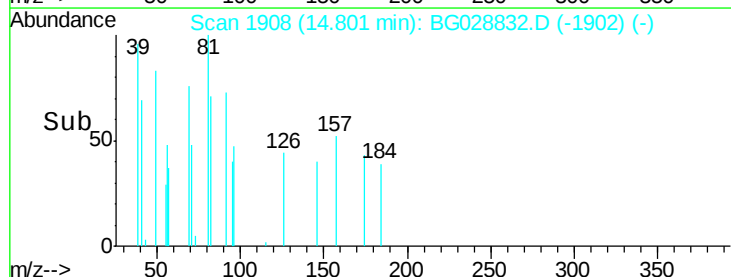
154 0.0 57.3 85.9#

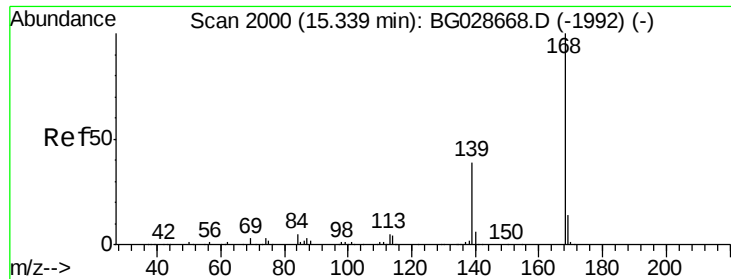


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

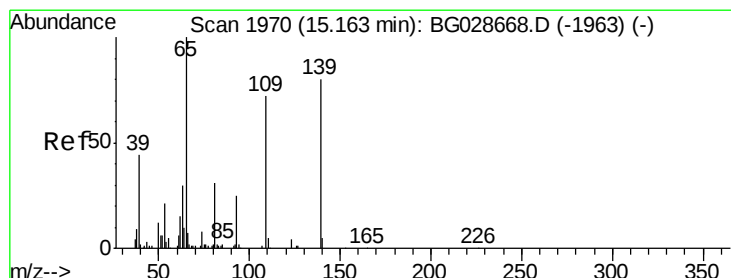
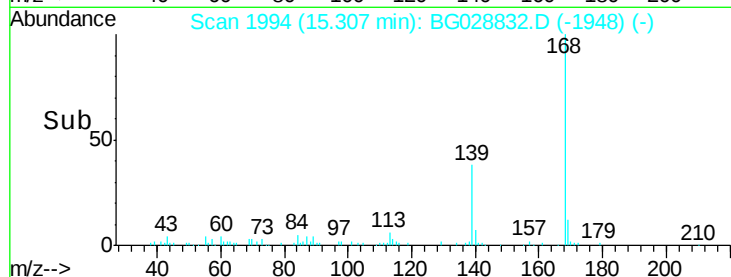
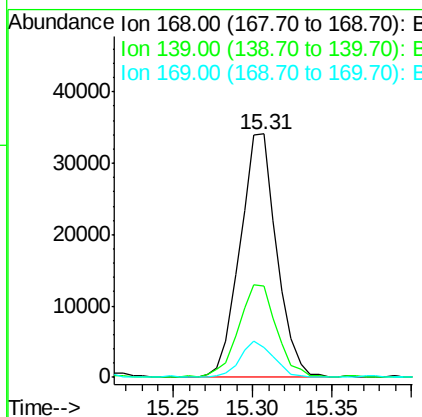
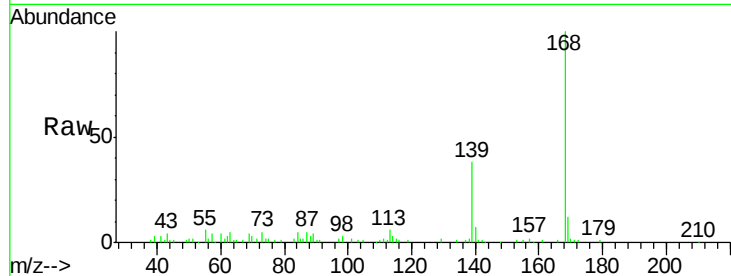




#54
Dibenzofuran
Concen: 5.71 ng
RT: 15.31 min Scan# 1994
Delta R.T. -0.03 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

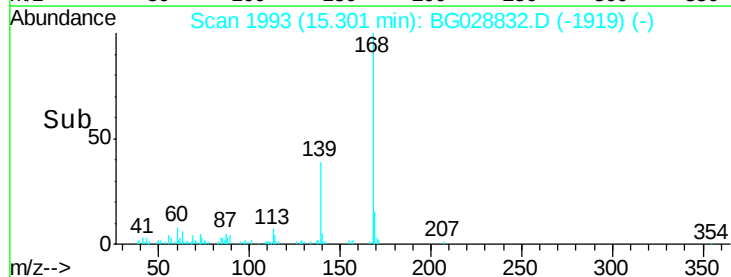
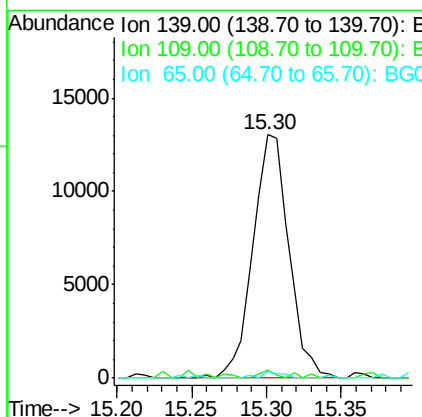
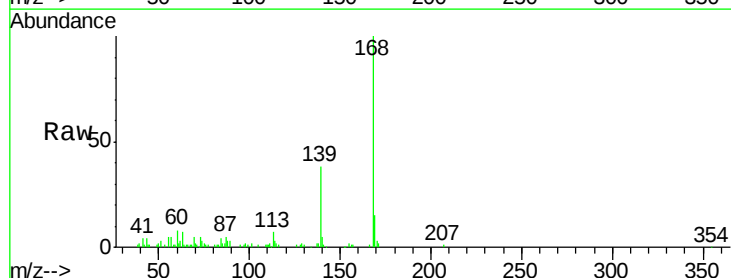
Instrument :
BNA_G
ClientSampleId :

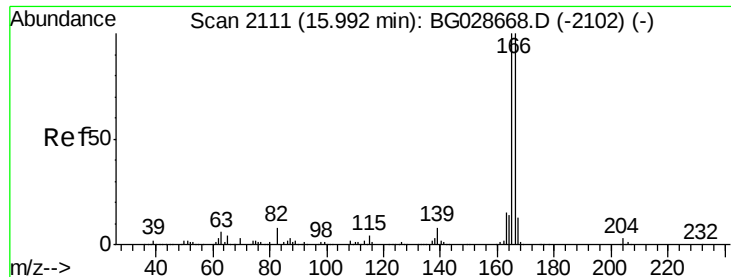
Tot Ion:168 Resp: 54560
Ion Ratio Lower Upper
168 100
139 37.7 35.3 52.9
169 12.3 11.5 17.3



#55
4-Nitrophenol
Concen: 17.45 ng
RT: 15.30 min Scan# 1993
Delta R.T. 0.14 min
Lab File: BG028832.D
Acq: 20 Sep 2017 15:16

Tgt Ion:139 Resp: 21570
Ion Ratio Lower Upper
139 100
109 4.5 101.2 141.2#
65 2.7 135.3 175.3#

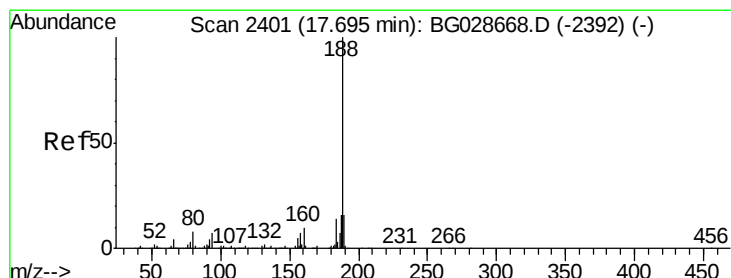
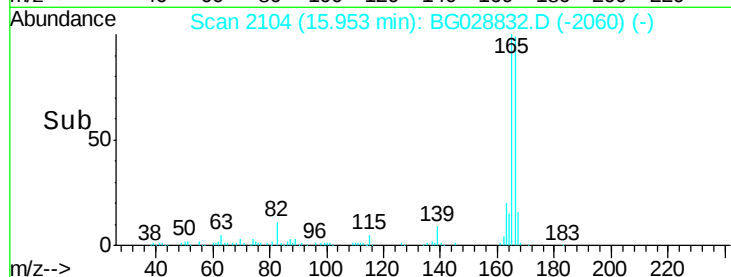
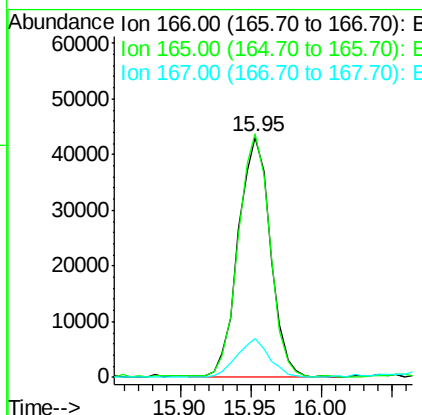
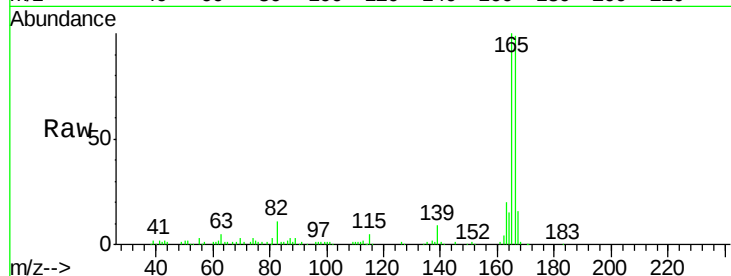




#57
 Fluorene
 Concen: 8.09 ng
 RT: 15.95 min Scan# 2104
 Delta R.T. -0.04 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

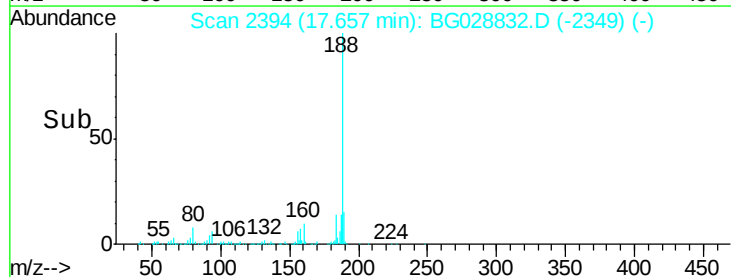
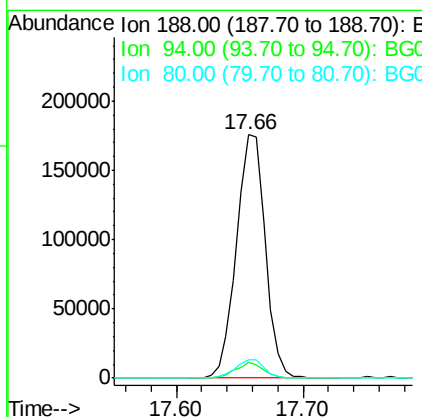
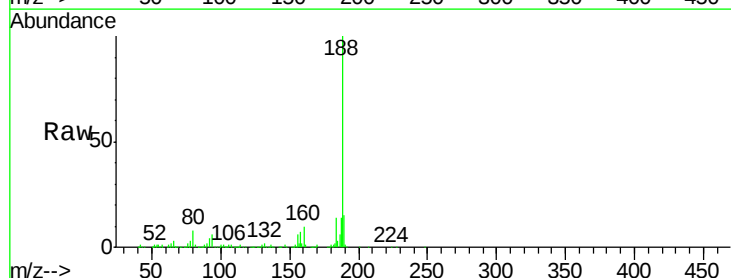
Instrument :
 BNA_G
 ClientSampleId :

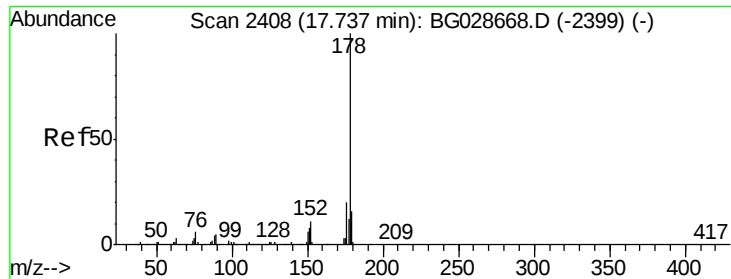
Tot Ion:166 Resp: 68968
 Ion Ratio Lower Upper
 166 100
 165 101.3 78.6 117.8
 167 16.3 11.6 17.4



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.66 min Scan# 2394
 Delta R.T. -0.04 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Tgt Ion:188 Resp: 276733
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.8 8.8
 80 7.6 7.5 11.3





#70

Phenanthrene

Concen: 2.36 ng

RT: 17.79 min Scan# 2417

Delta R.T. 0.06 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Instrument :

BNA_G

ClientSampleId :

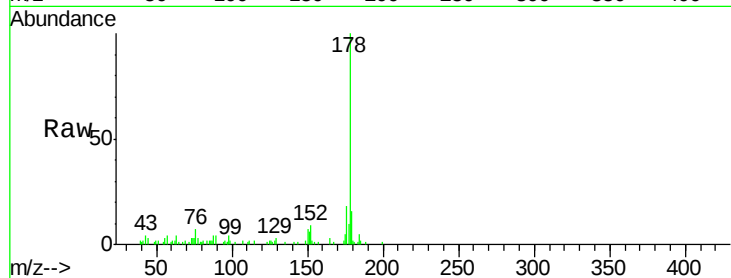
Tot Ion:178 Resp: 33350

Ion Ratio Lower Upper

178 100

176 18.1 17.7 26.5

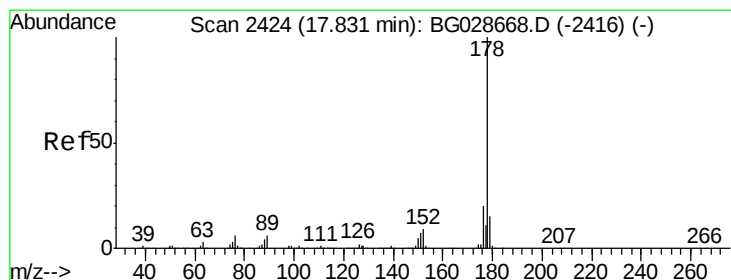
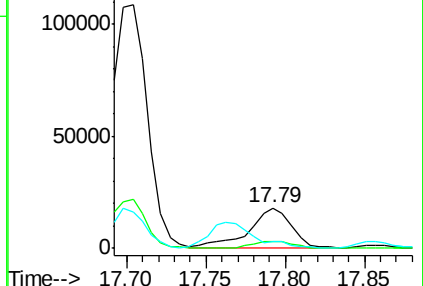
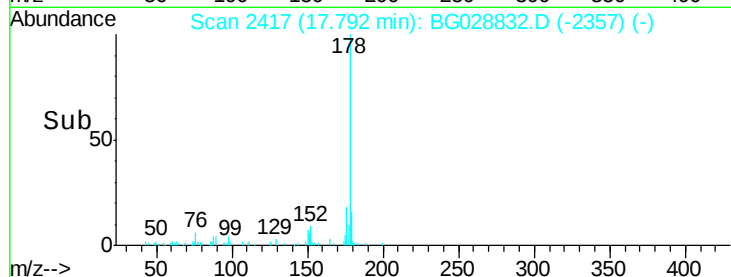
179 16.2 15.0 22.6



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



#71

Anthracene

Concen: 2.33 ng

RT: 17.79 min Scan# 2417

Delta R.T. -0.04 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

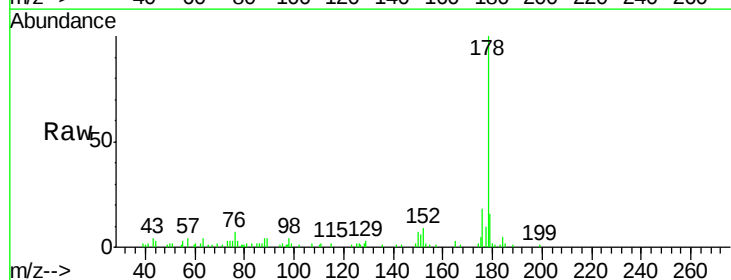
Tgt Ion:178 Resp: 33350

Ion Ratio Lower Upper

178 100

176 18.1 16.4 24.6

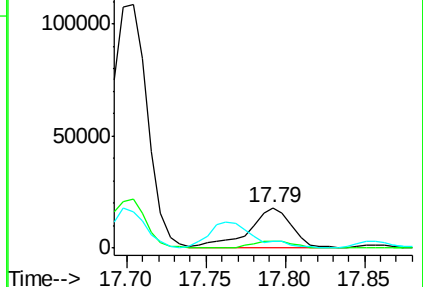
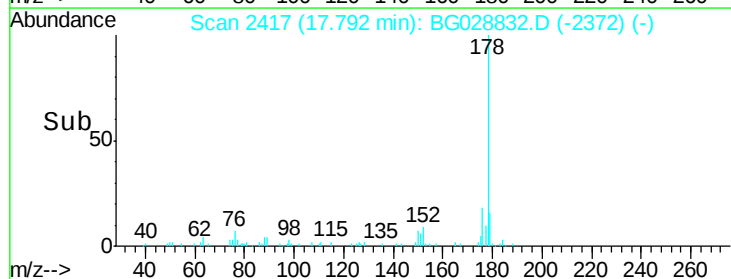
179 16.2 13.8 20.8

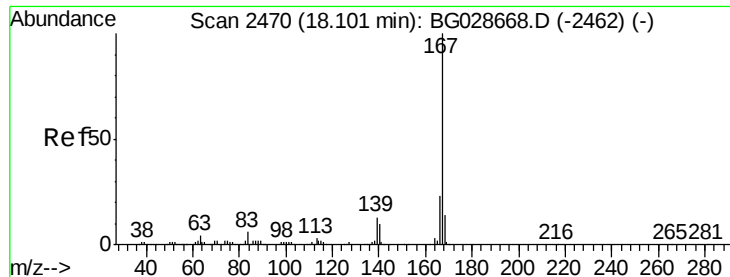


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

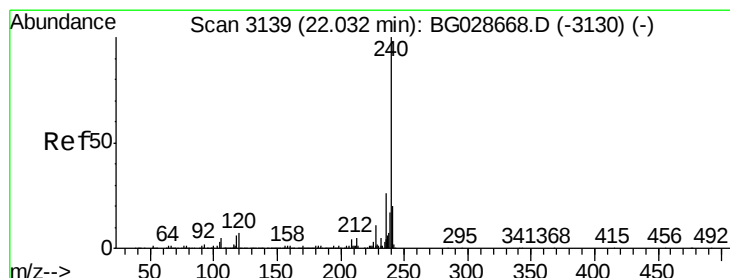
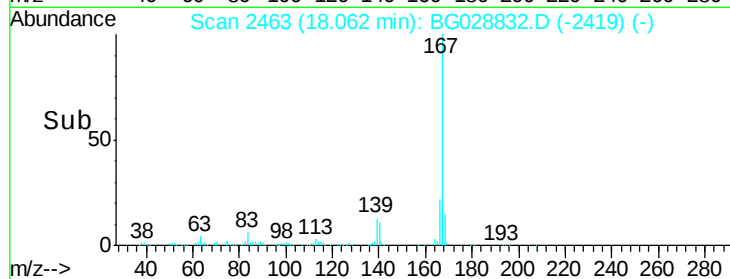
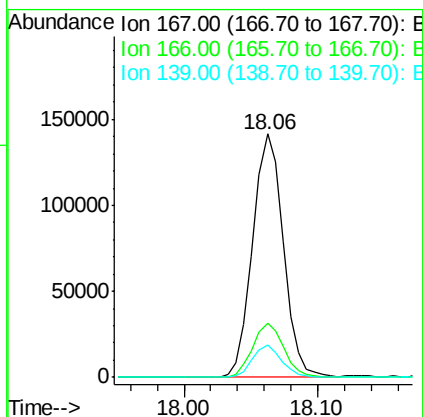
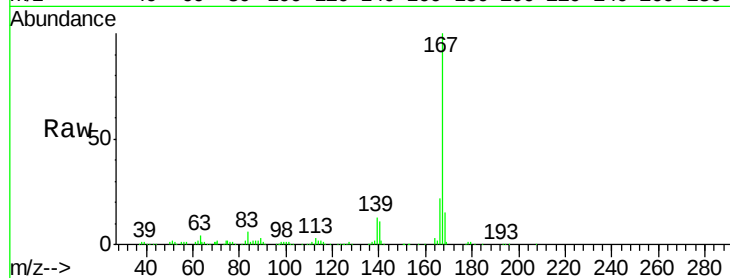




#72
 Carbazole
 Concen: 17.43 ng
 RT: 18.06 min Scan# 2463
 Delta R.T. -0.04 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

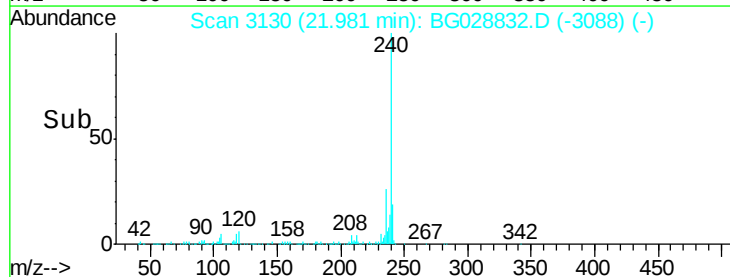
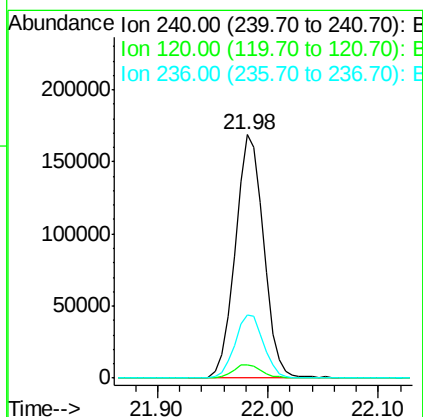
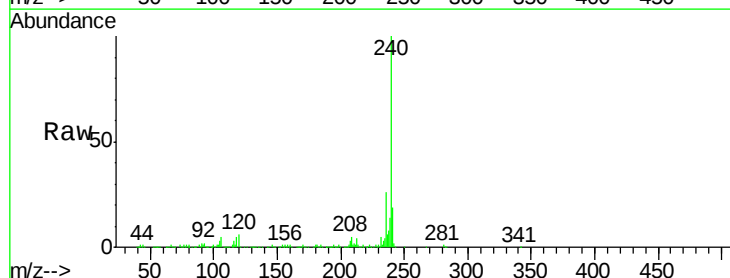
Instrument :
 BNA_G
 ClientSampleId :

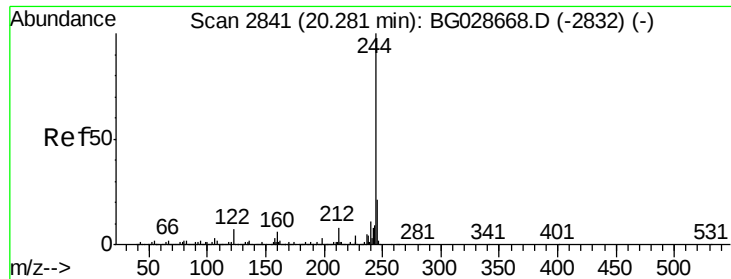
Tot Ion:167 Resp: 224361
 Ion Ratio Lower Upper
 167 100
 166 22.0 20.2 30.2
 139 13.1 12.8 19.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.98 min Scan# 3130
 Delta R.T. -0.05 min
 Lab File: BG028832.D
 Acq: 20 Sep 2017 15:16

Tgt Ion:240 Resp: 304969
 Ion Ratio Lower Upper
 240 100
 120 5.5 5.7 8.5#
 236 25.9 22.2 33.4





#78

Terphenyl-d14

Concen: 159.82 ng

RT: 20.25 min Scan# 2836

Delta R.T. -0.03 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

Instrument :

BNA_G

ClientSampleId :

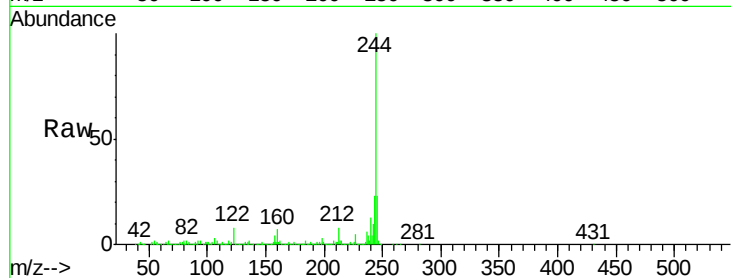
Tot Ion:244 Resp: 2285490

Ion Ratio Lower Upper

244 100

212 8.3 10.0 15.0#

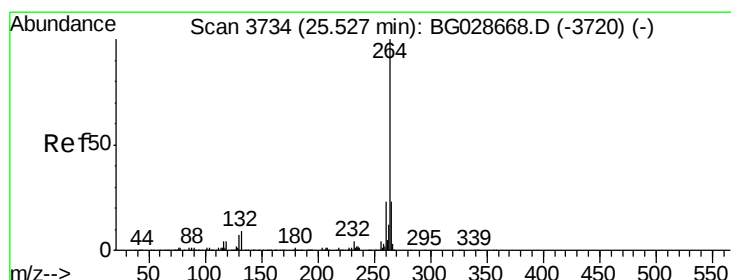
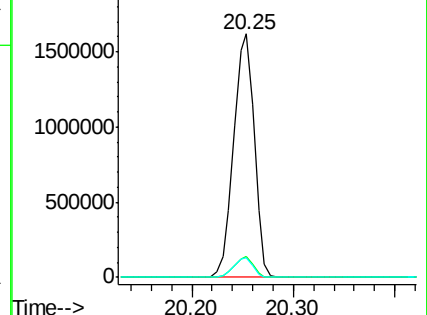
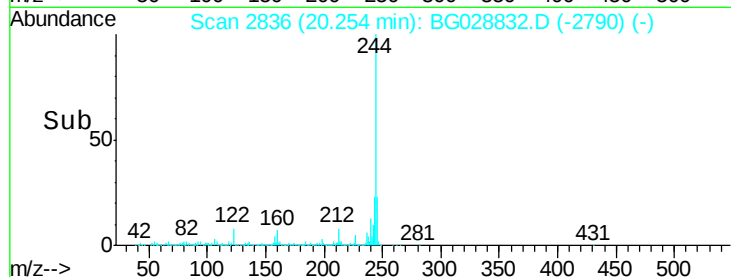
122 8.1 8.6 12.8#



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: 20.00 ng

RT: 25.45 min Scan# 3721

Delta R.T. -0.07 min

Lab File: BG028832.D

Acq: 20 Sep 2017 15:16

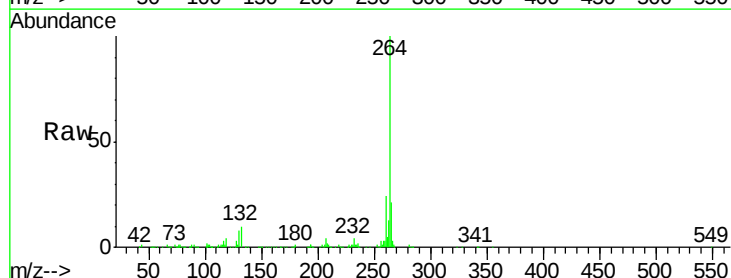
Tgt Ion:264 Resp: 313489

Ion Ratio Lower Upper

264 100

260 23.9 21.8 32.8

265 21.3 18.2 27.4



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

