

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032122.D
 Acq On : 18 Jan 2018 4:35
 Operator : SJ/JU
 Sample : J1144-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 05:24:36 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

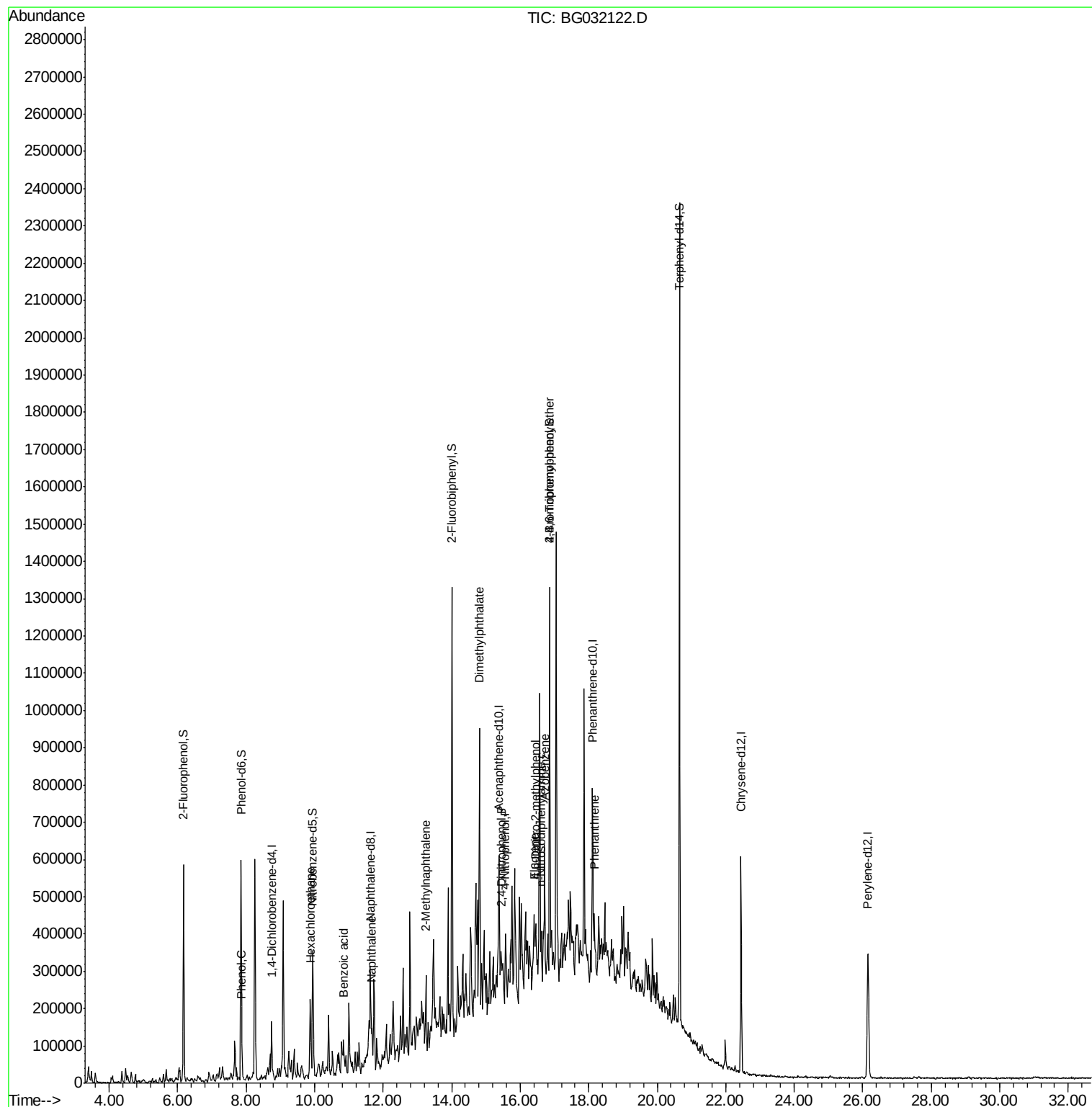
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	51668	20.00	ng	-0.03
21) Naphthalene-d8	11.63	136	201369	20.00	ng	-0.03
38) Acenaphthene-d10	15.38	164	137109	20.00	ng	-0.02
63) Phenanthrene-d10	18.11	188	331888	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	422816	20.00	ng	-0.03
86) Perylene-d12	26.15	264	467191	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	277676	98.29	ng	-0.03
7) Phenol-d6	7.85	99	346691	97.44	ng	-0.03
23) Nitrobenzene-d5	9.94	82	208818	70.16	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	238437	105.09	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	688544	62.27	ng	-0.03
78) Terphenyl-d14	20.65	244	1218671	63.64	ng	-0.02
Target Compounds						
10) Phenol	7.88	94	13480	3.846	ng	Qvalue 94
18) Hexachloroethane	9.88	117	20615	16.102	ng	# 1
31) Naphthalene	11.67	128	40142	4.024	ng	# 92
32) Benzoic acid	10.83	122	466	5.441	ng	# 20
37) 2-Methylnaphthalene	13.24	142	106364	13.430	ng	95
49) Dimethylphthalate	14.81	163	112465	9.373	ng	# 89
53) 2,4-Dinitrophenol	15.43	184	117	7.049	ng	# 1
55) 4-Nitrophenol	15.58	139	9804	5.981	ng	# 49
57) Fluorene	16.42	166	39187	3.479	ng	# 90
62) Azobenzene	16.71	77	78756	10.818	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.45	198	724	5.190	ng	# 1
65) n-Nitrosodiphenylamine	16.61	169	38407	3.814	ng	# 41
66) 4-Bromophenyl-phenylether	16.86	248	20293	4.297	ng	# 1
70) Phenanthrene	18.16	178	102165	5.529	ng	# 94

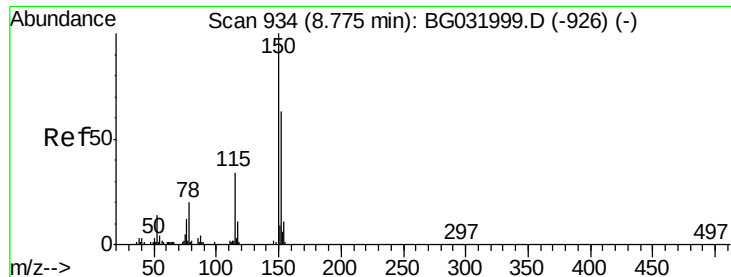
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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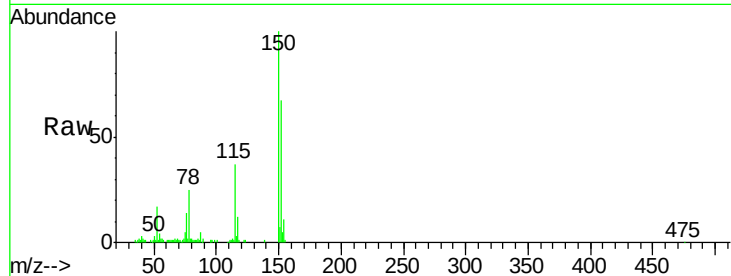


#1

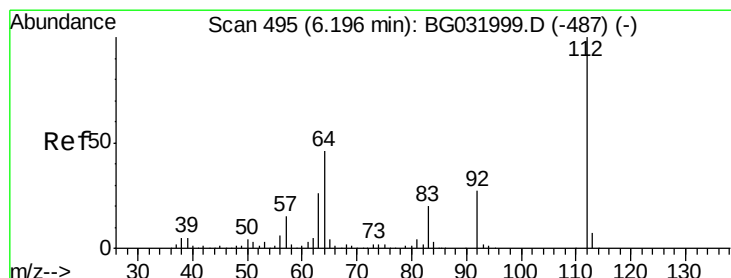
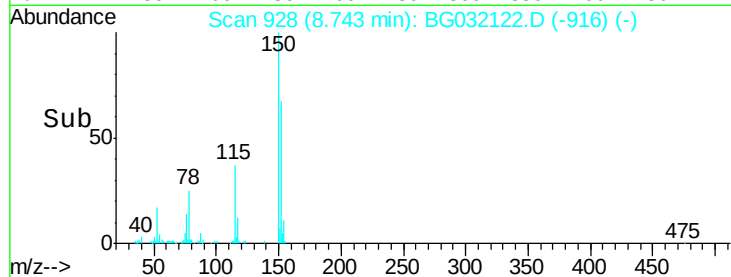
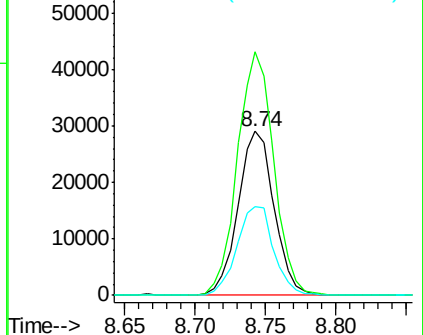
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.03 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.4	126.6	189.8
115	54.4	53.0	79.4



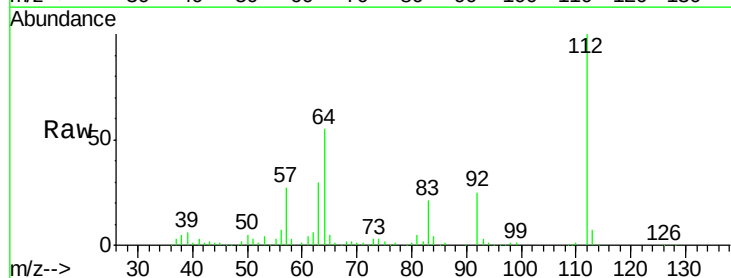
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



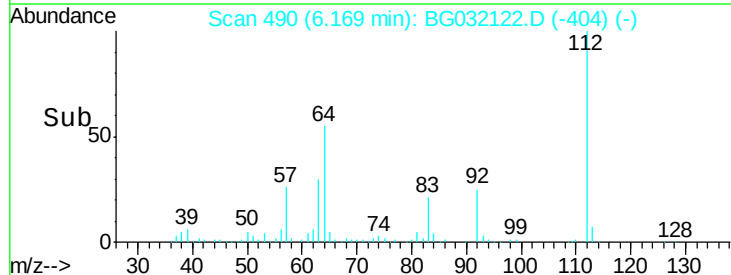
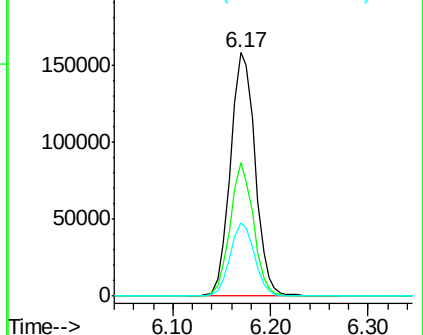
#5

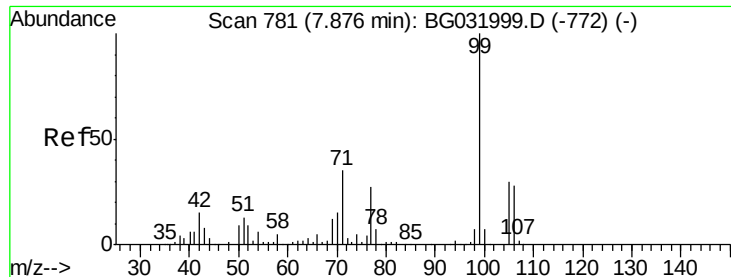
2-Fluorophenol
Concen: 98.291 ng
RT: 6.17 min Scan# 490
Delta R.T. -0.03 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	56.3	84.5#
63	30.0	30.1	45.1#



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: 97.441 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

Instrument :

BNA_G

ClientSampled :

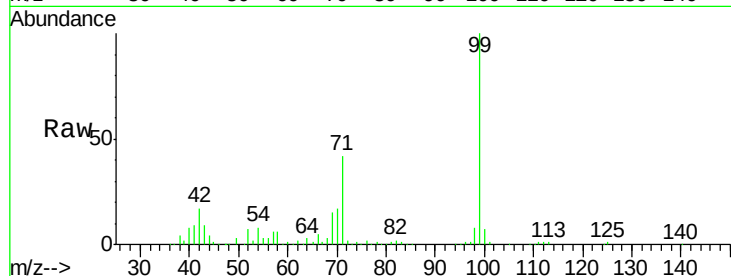
Tot Ion: 99 Resp: 346691

Ion Ratio Lower Upper

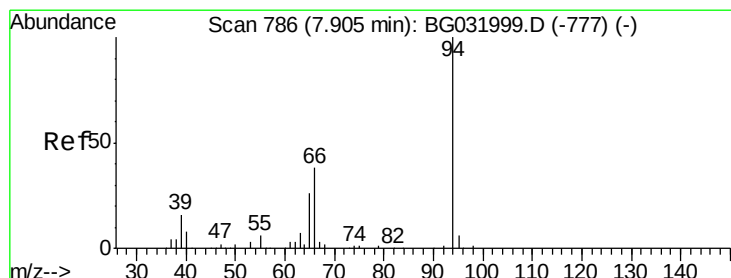
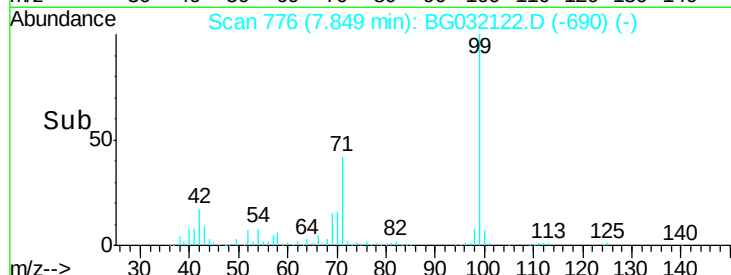
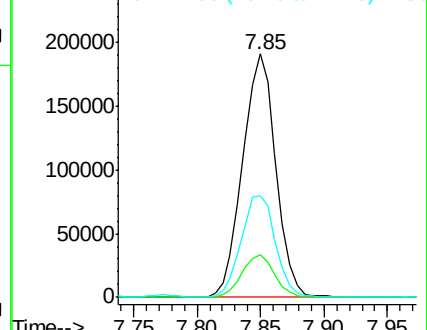
99 100

42 17.3 14.1 21.1

71 42.0 26.1 39.1#



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



#10

Phenol

Concen: 3.846 ng

RT: 7.88 min Scan# 781

Delta R.T. -0.03 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

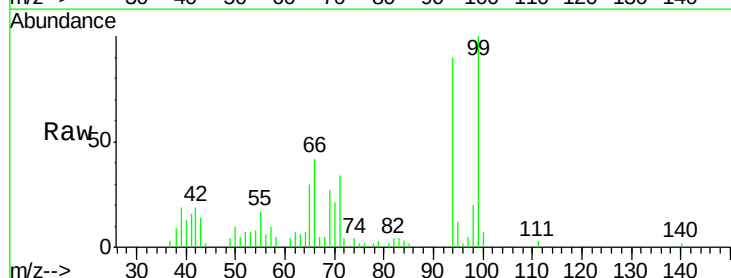
Tgt Ion: 94 Resp: 13480

Ion Ratio Lower Upper

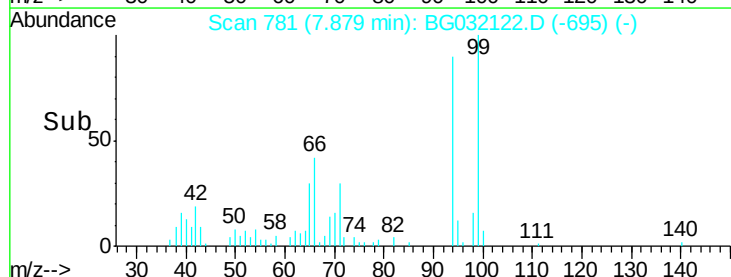
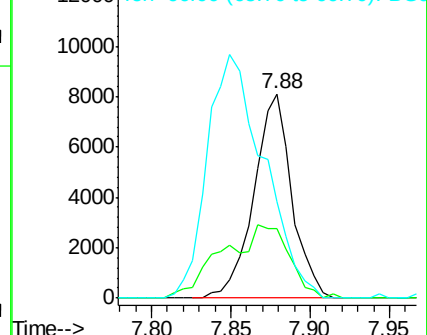
94 100

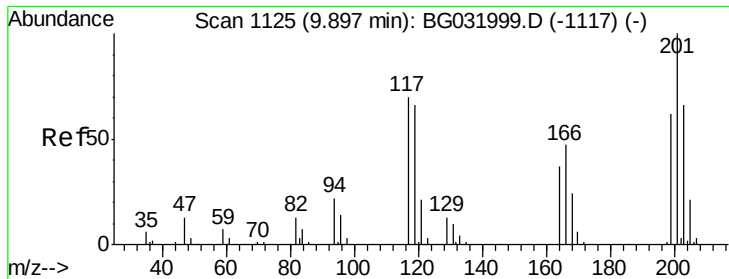
65 33.8 11.9 51.9

66 47.2 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

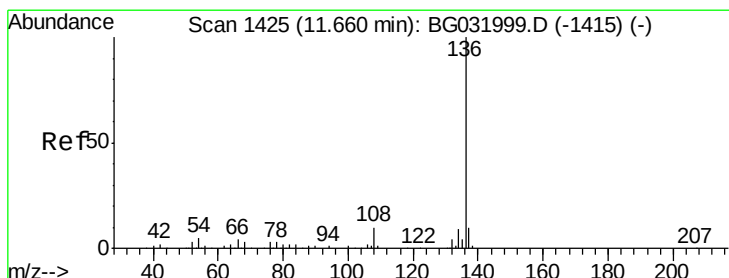
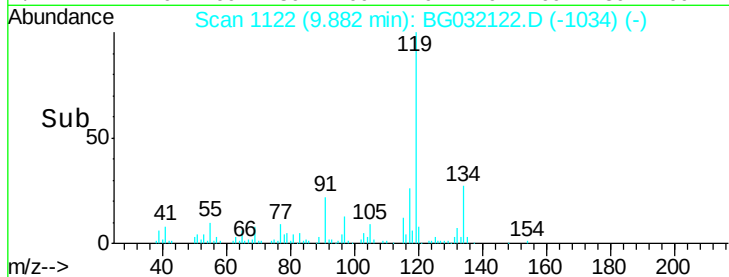
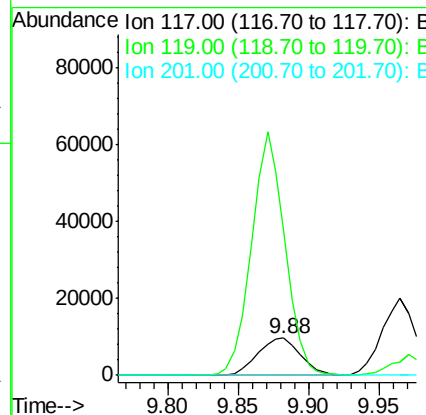
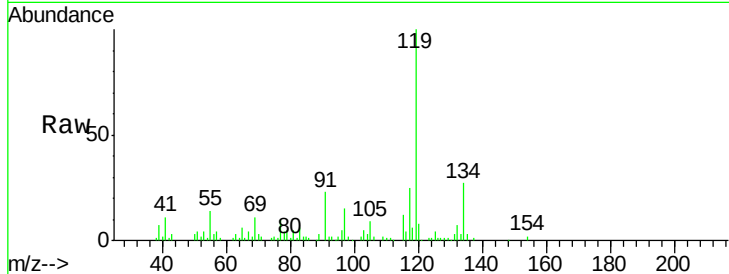




#18
Hexachloroethane
Concen: 16.102 ng
RT: 9.88 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

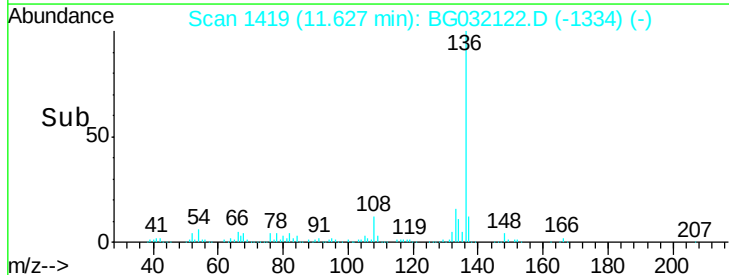
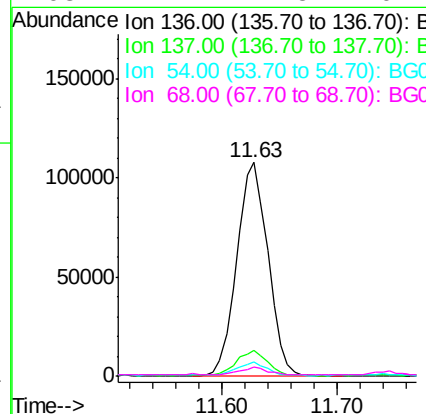
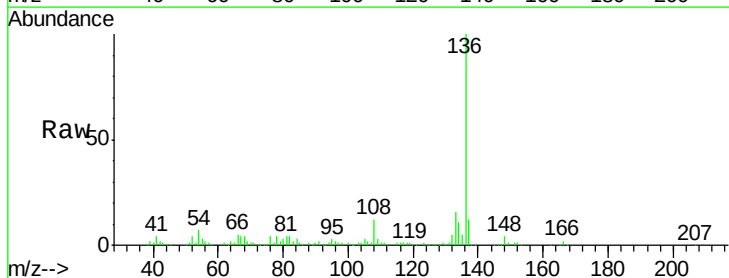
Instrument :
BNA_G
ClientSampleId :

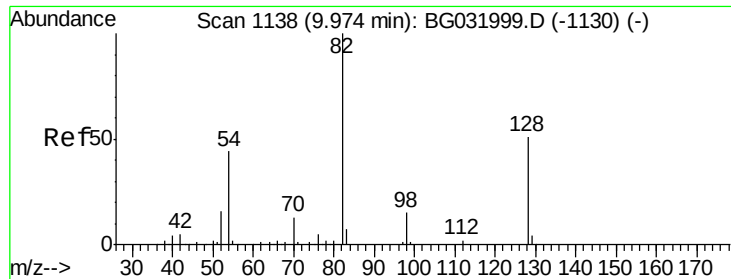
Tot Ion	Ratio	Lower	Upper
117	100		
119	393.0	76.7	115.1#
201	0.0	95.7	143.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.03 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	6.5	10.3	15.5#
68	4.2	4.5	6.7#

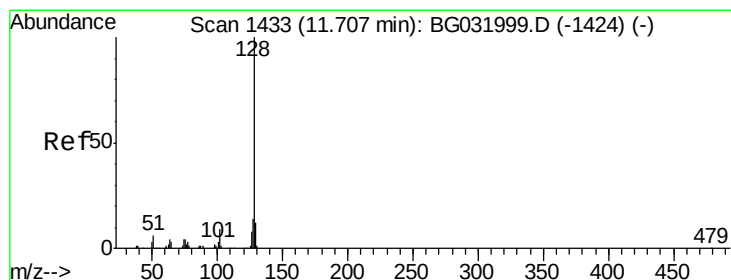
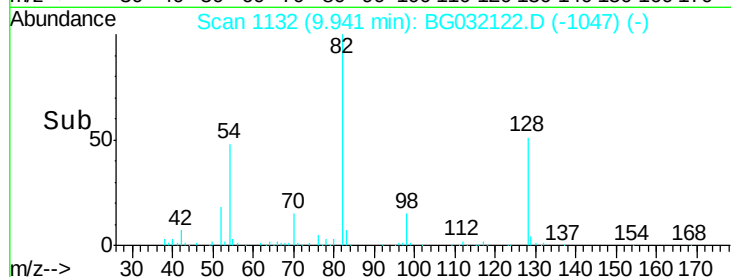
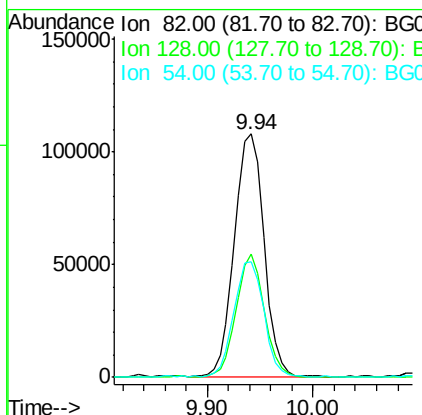
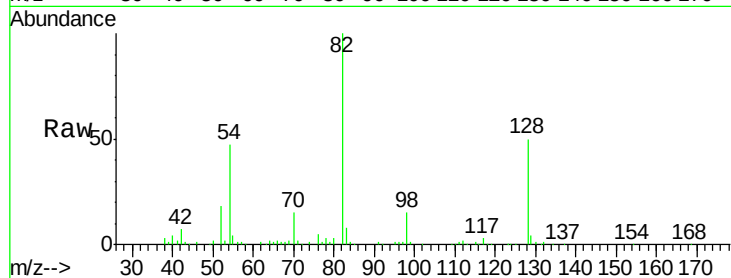




#23
 Nitrobenzene-d5
 Concen: 70.157 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.03 min
 Lab File: BG032122.D
 Acq: 18 Jan 2018 4:35

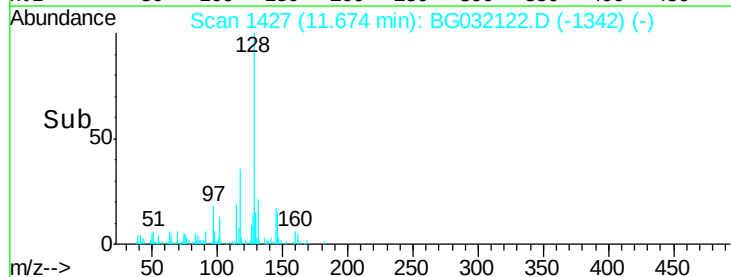
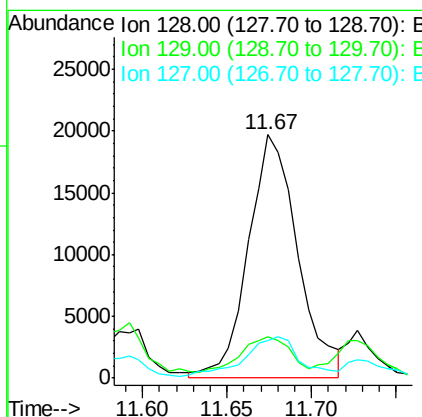
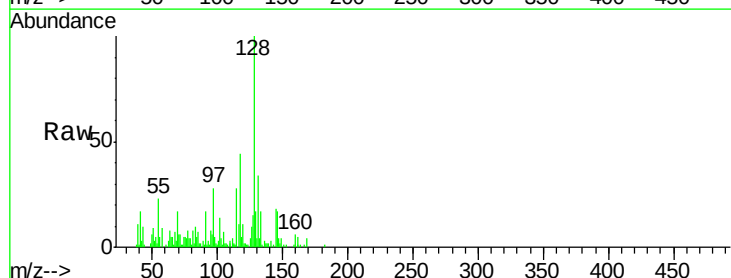
Instrument :
 BNA_G
 ClientSampleId :

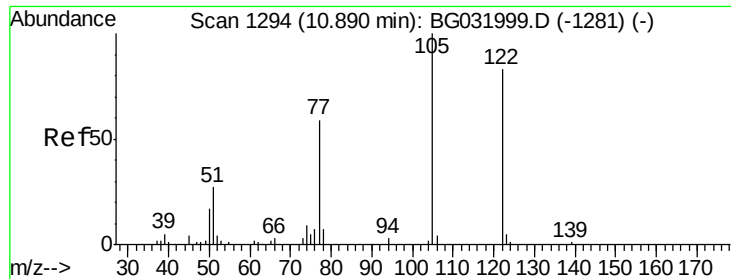
Tot Ion	82	Resp	208818
Ion Ratio	Lower	Upper	
82	100		
128	50.4	29.7	44.5#
54	47.5	43.1	64.7



#31
 Naphthalene
 Concen: 4.024 ng
 RT: 11.67 min Scan# 1427
 Delta R.T. -0.03 min
 Lab File: BG032122.D
 Acq: 18 Jan 2018 4:35

Tgt Ion	128	Resp	40142
Ion Ratio	Lower	Upper	
128	100		
129	17.0	8.6	12.8#
127	15.3	11.6	17.4

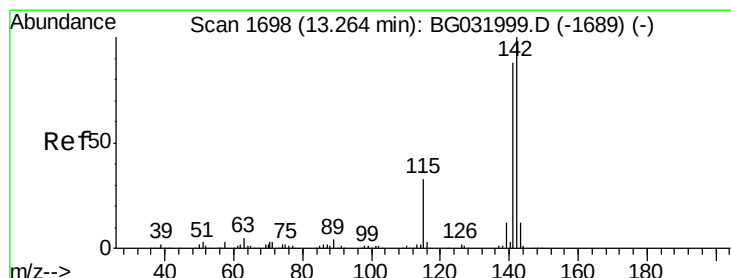
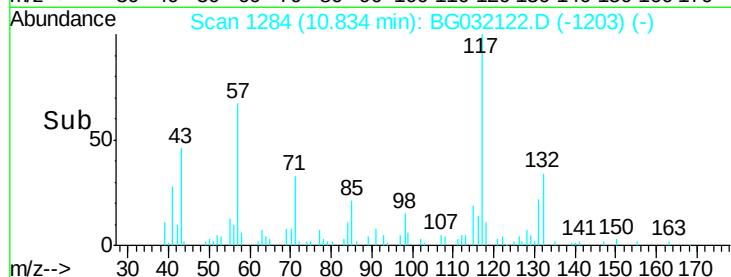
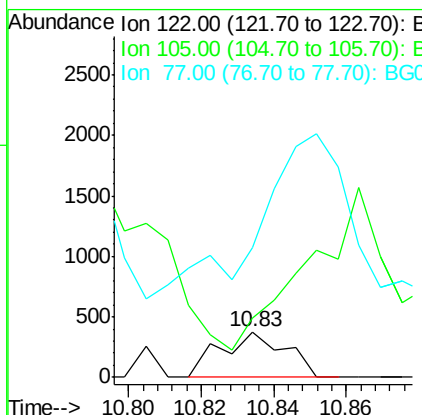
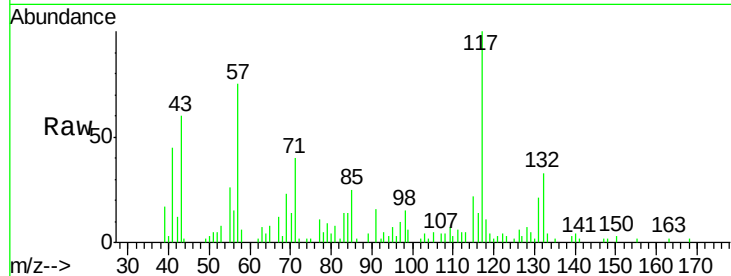




#32
Benzoic acid
Concen: 5.441 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.06 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

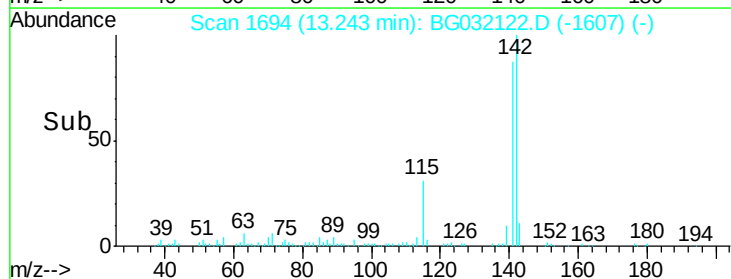
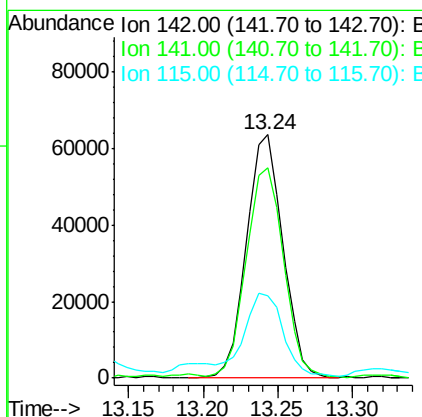
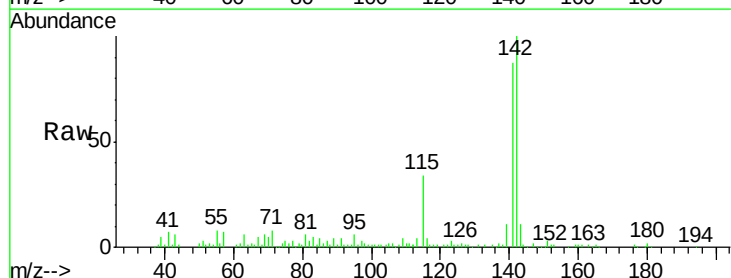
Instrument :
BNA_G
ClientSampled :

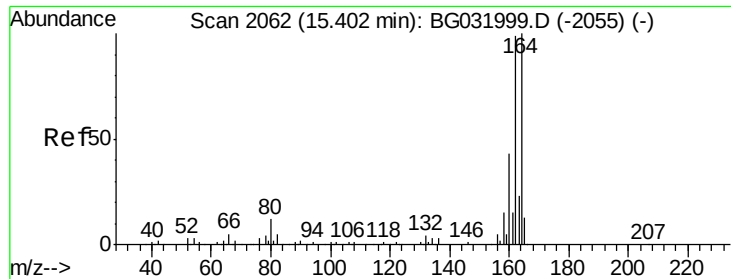
Tot Ion:122 Resp: 466
Ion Ratio Lower Upper
122 100
105 130.5 123.5 163.5
77 286.1 85.7 125.7#



#37
2-Methylnaphthalene
Concen: 13.430 ng
RT: 13.24 min Scan# 1694
Delta R.T. -0.02 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

Tgt Ion:142 Resp: 106364
Ion Ratio Lower Upper
142 100
141 86.6 67.1 100.7
115 33.6 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.02 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

Instrument :

BNA_G

ClientSampleId :

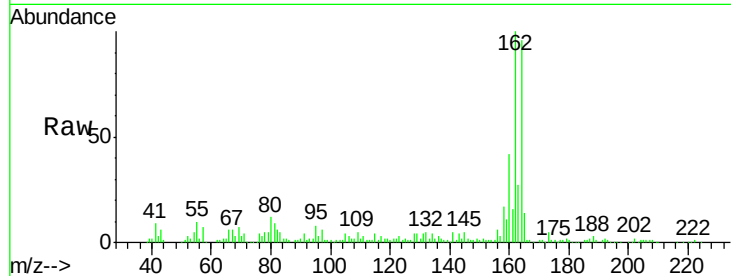
Tot Ion:164 Resp: 137109

Ion Ratio Lower Upper

164 100

162 104.4 78.8 118.2

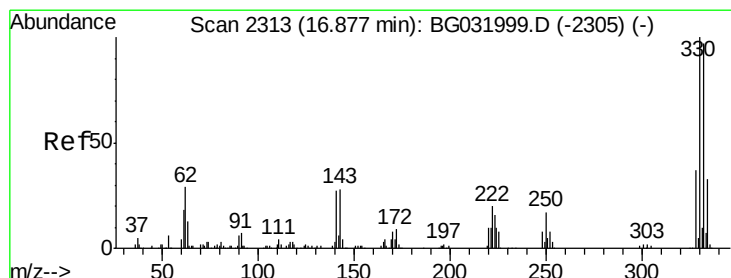
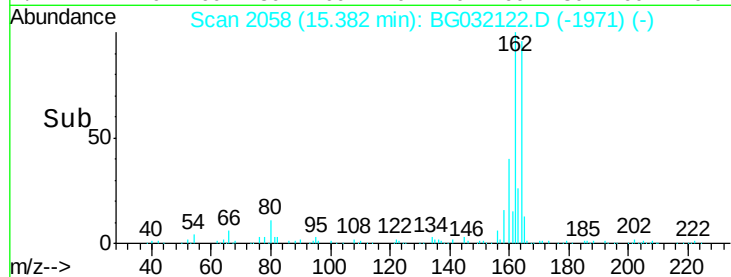
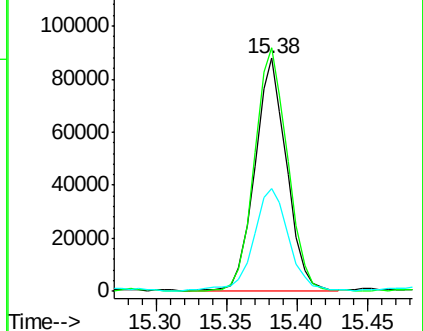
160 44.2 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 105.092 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

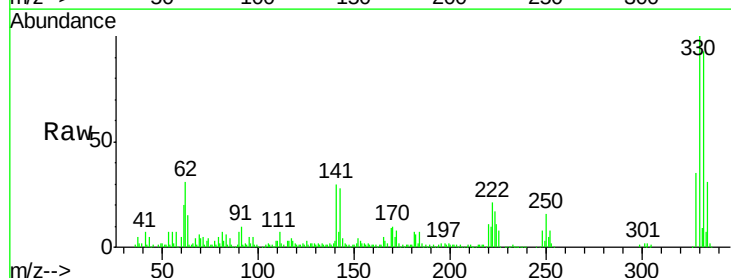
Tgt Ion:330 Resp: 238437

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

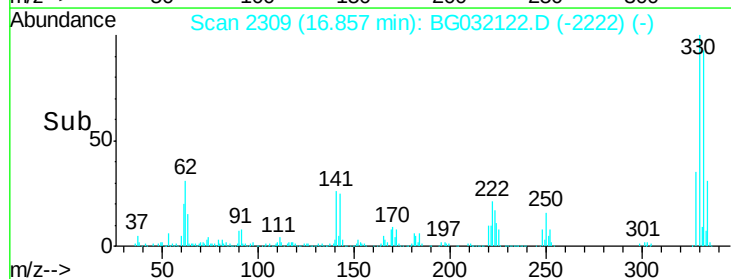
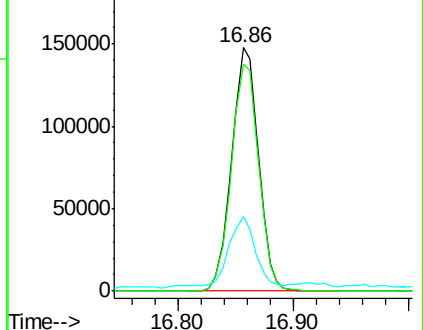
141 29.5 25.2 37.8

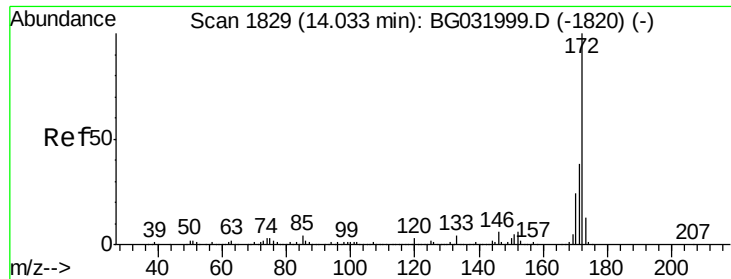


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

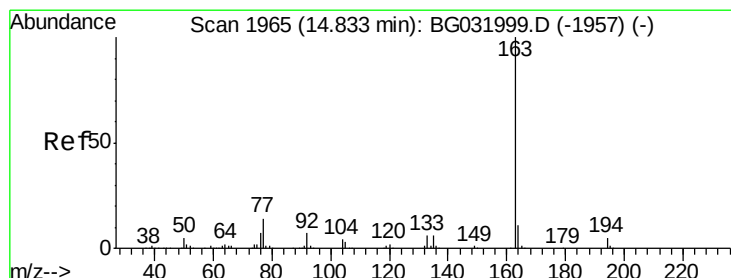
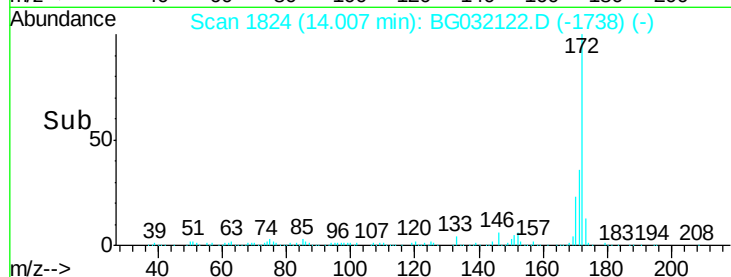
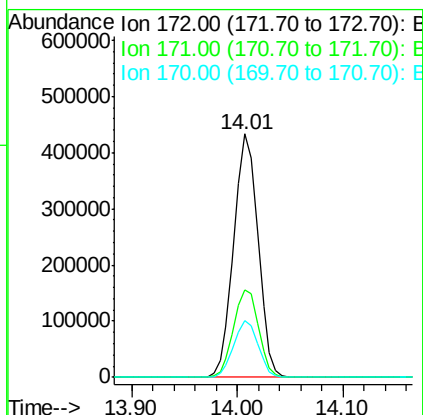
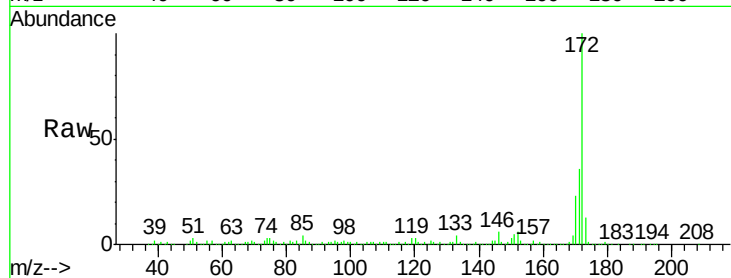




#44
2-Fluorobiphenyl
Concen: 62.269 ng
RT: 14.01 min Scan# 1824
Delta R.T. -0.03 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

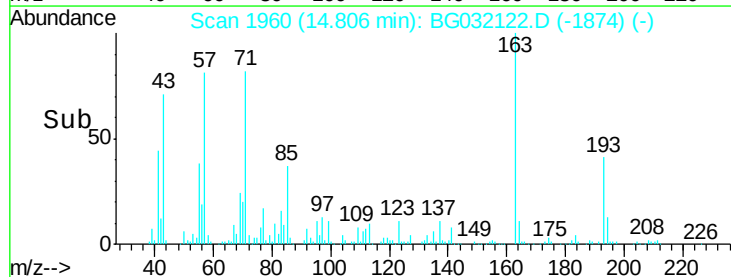
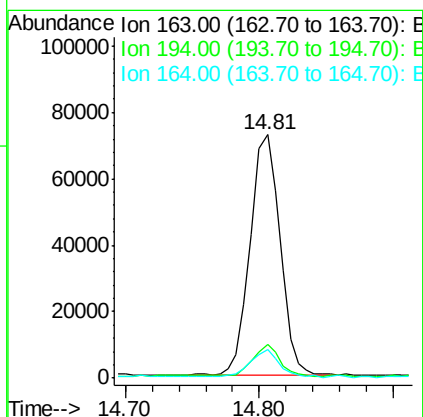
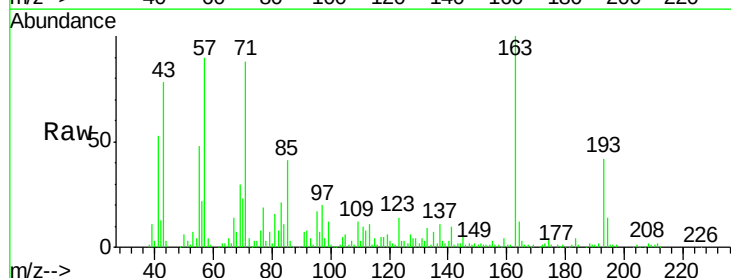
Instrument :
BNA_G
ClientSampled :

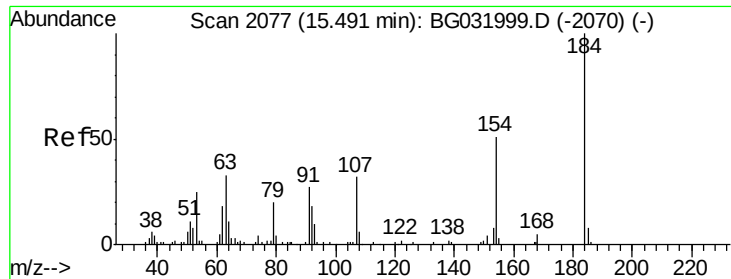
Tot Ion:172 Resp: 688544
Ion Ratio Lower Upper
172 100
171 36.0 30.0 45.0
170 23.3 19.5 29.3



#49
Dimethylphthalate
Concen: 9.373 ng
RT: 14.81 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

Tgt Ion:163 Resp: 112465
Ion Ratio Lower Upper
163 100
194 14.0 3.4 5.2#
164 11.6 8.2 12.4

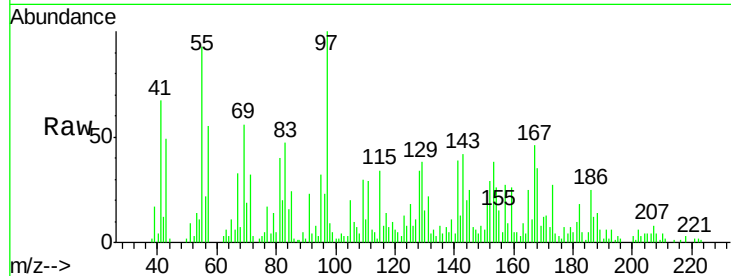




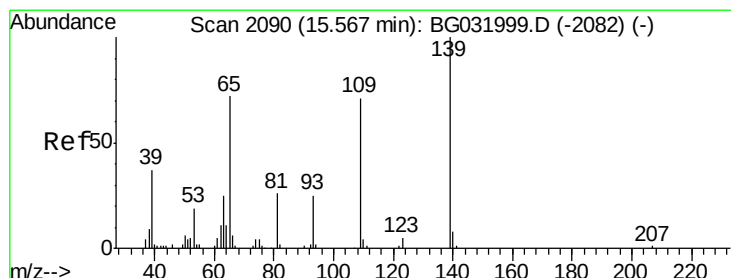
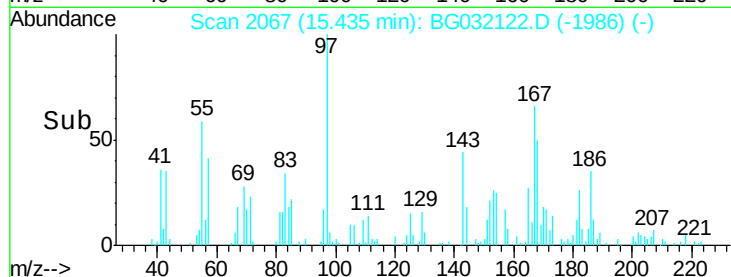
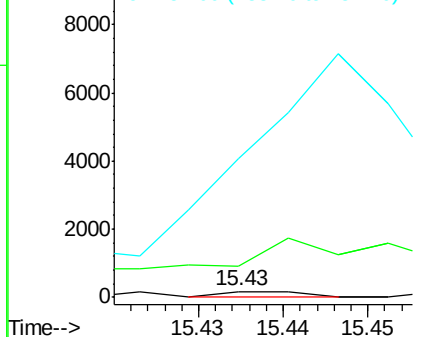
#53
 2,4-Dinitrophenol
 Concen: 7.049 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.06 min
 Lab File: BG032122.D
 Acq: 18 Jan 2018 4:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:184 Resp: 117
 Ion Ratio Lower Upper
 184 100
 63 529.5 59.8 89.8#
 154 2354.9 101.8 152.8#

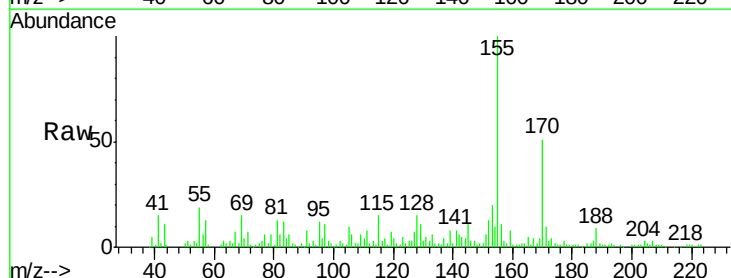


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

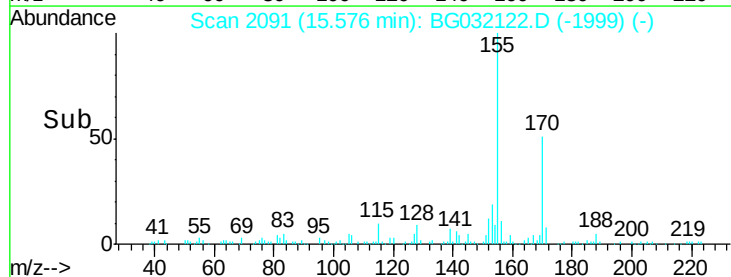
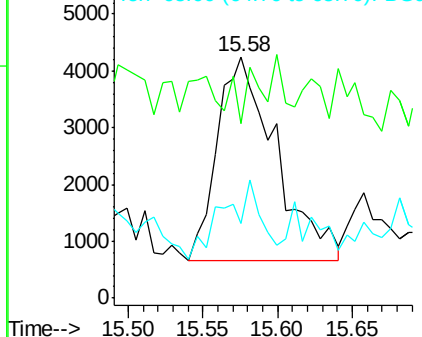


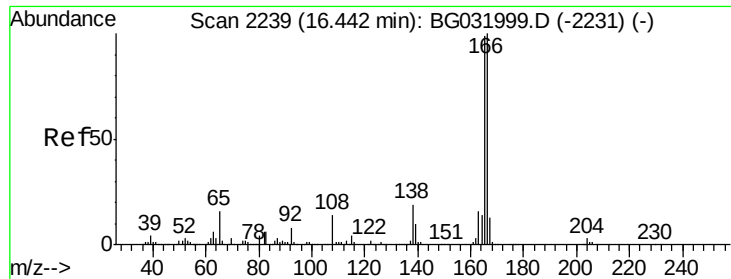
#55
 4-Nitrophenol
 Concen: 5.981 ng
 RT: 15.58 min Scan# 2091
 Delta R.T. 0.01 min
 Lab File: BG032122.D
 Acq: 18 Jan 2018 4:35

Tgt Ion:139 Resp: 9804
 Ion Ratio Lower Upper
 139 100
 109 72.6 62.2 102.2
 65 31.2 97.2 137.2#



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

Fluorene

Concen: 3.479 ng

RT: 16.42 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

Instrument :

BNA_G

ClientSampleId :

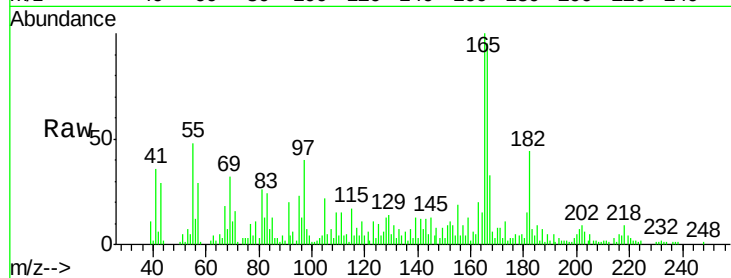
Tot Ion:166 Resp: 39187

Ion Ratio Lower Upper

166 100

165 105.5 80.6 121.0

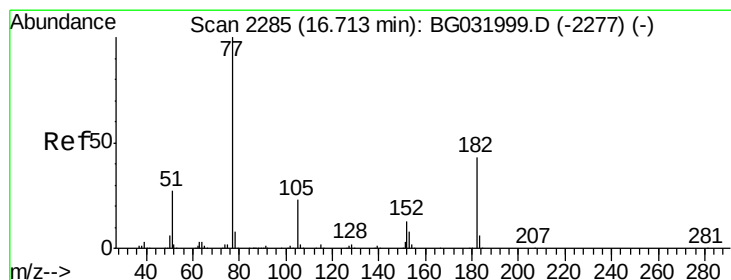
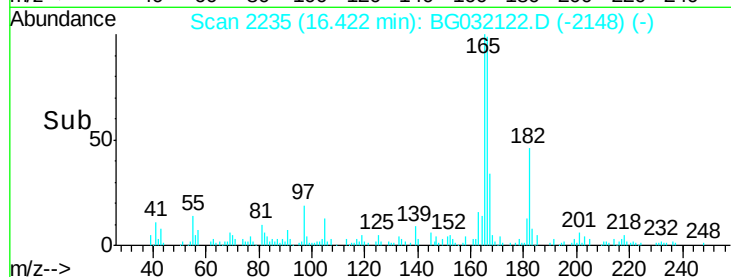
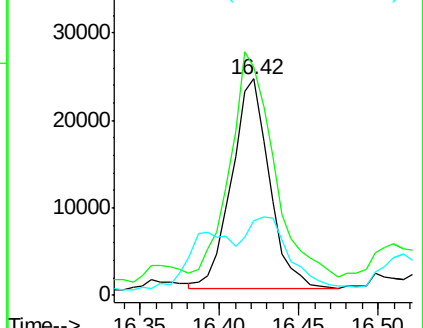
167 34.5 10.4 15.6#



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



#62

Azobenzene

Concen: 10.818 ng

RT: 16.71 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

Tgt Ion: 77 Resp: 78756

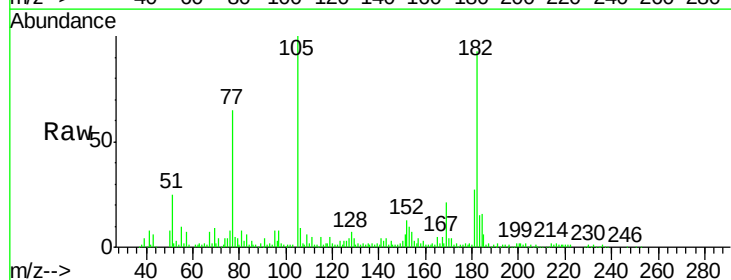
Ion Ratio Lower Upper

77 100

182 143.8 7.4 47.4#

105 154.2 0.3 40.3#

51 38.9 11.6 51.6

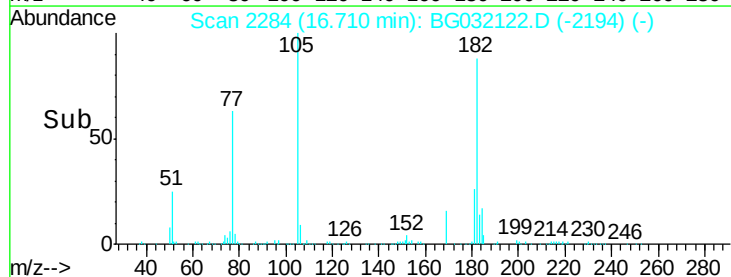
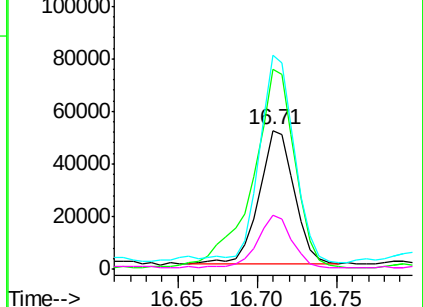


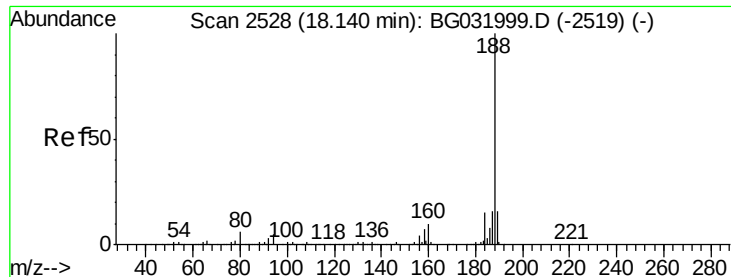
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

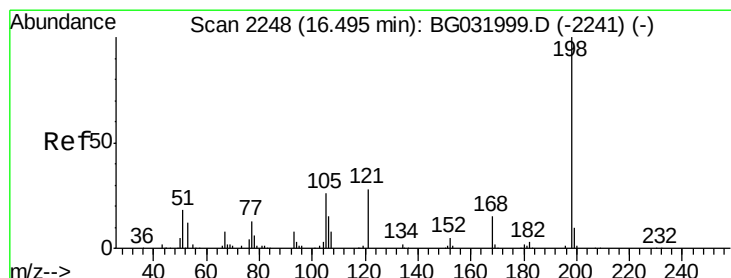
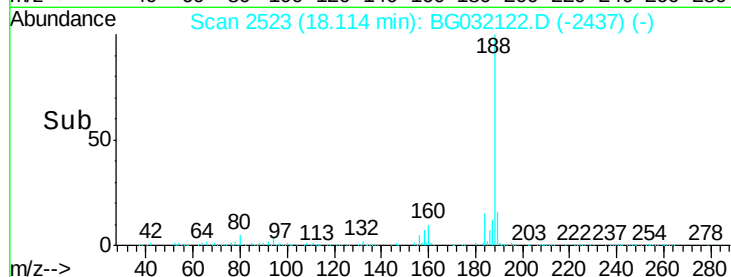
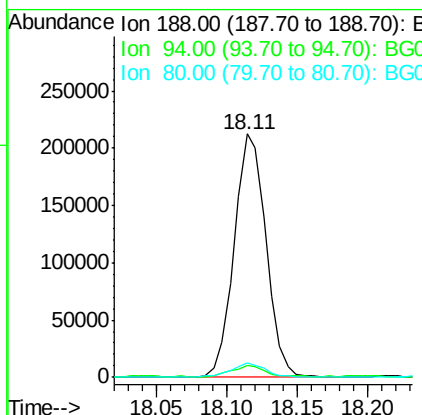
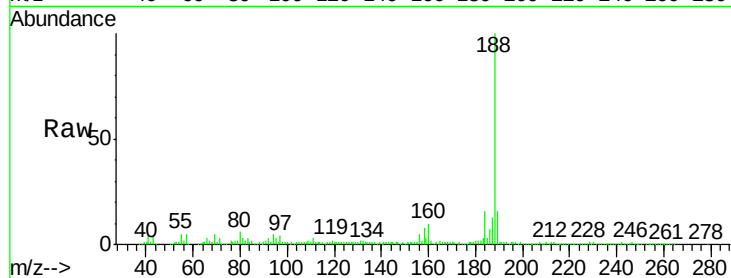




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.03 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

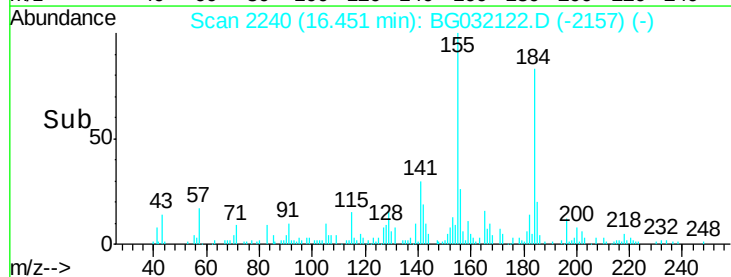
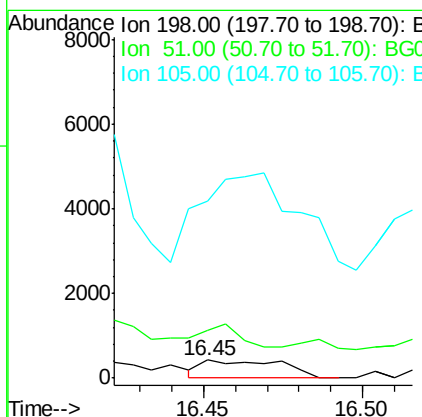
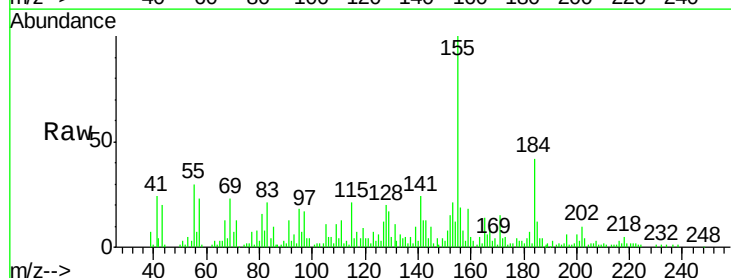
Instrument :
BNA_G
ClientSampleId :

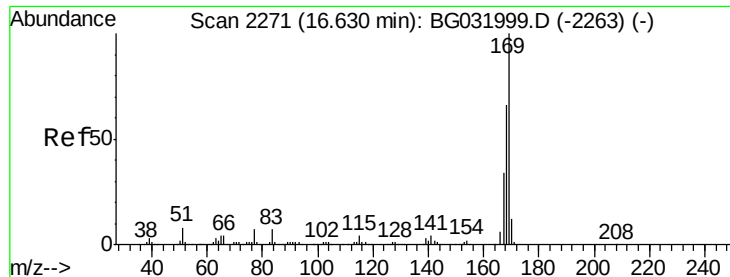
Tot Ion:188 Resp: 331888
Ion Ratio Lower Upper
188 100
94 4.7 6.9 10.3#
80 5.8 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.190 ng
RT: 16.45 min Scan# 2240
Delta R.T. -0.04 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

Tgt Ion:198 Resp: 724
Ion Ratio Lower Upper
198 100
51 268.4 30.6 70.6#
105 999.0 23.8 63.8#





#65

n-Nitrosodiphenylamine

Concen: 3.814 ng

RT: 16.61 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

Instrument :

BNA_G

ClientSampled :

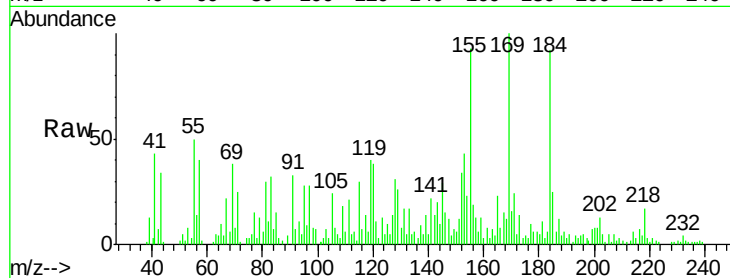
Tot Ion:169 Resp: 38407

Ion Ratio Lower Upper

169 100

168 12.3 55.7 83.5#

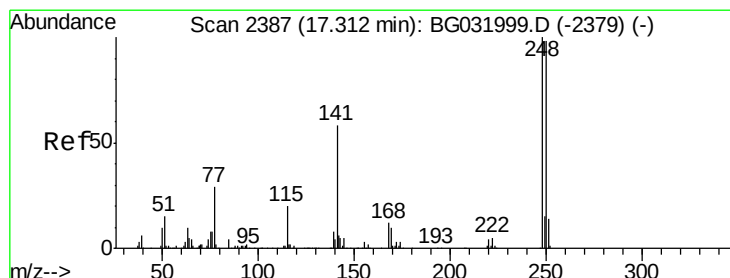
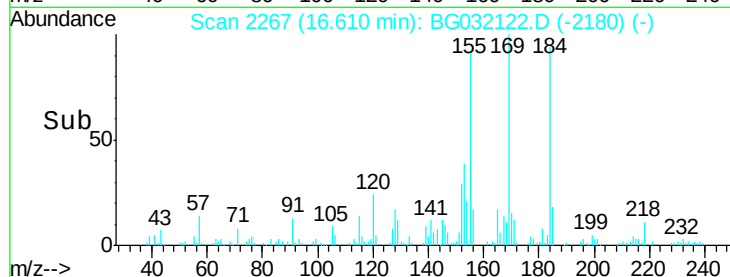
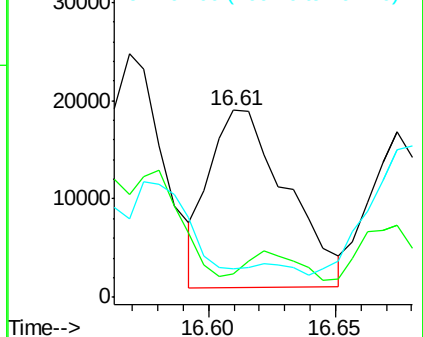
167 15.1 30.1 45.1#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.297 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.46 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

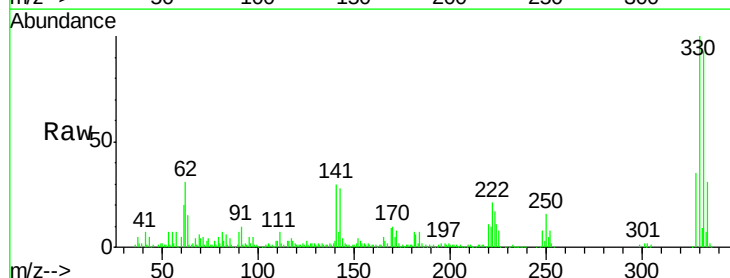
Tgt Ion:248 Resp: 20293

Ion Ratio Lower Upper

248 100

250 198.0 77.1 115.7#

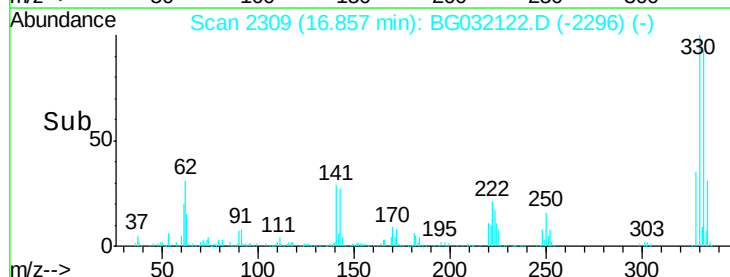
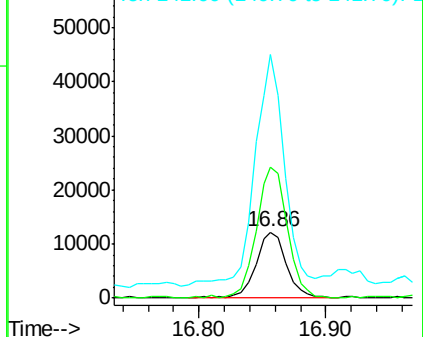
141 368.1 50.8 76.2#

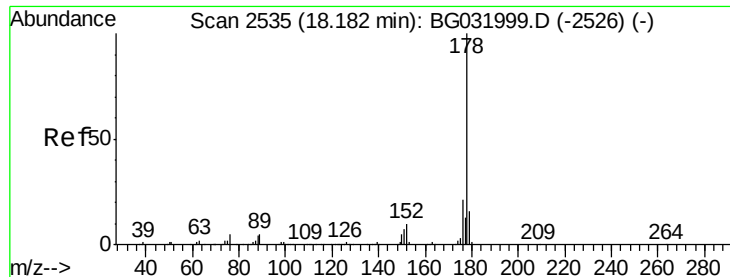


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

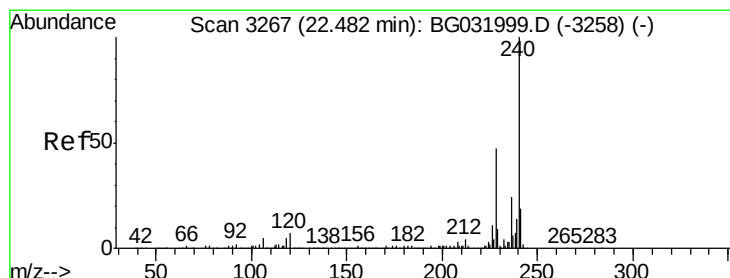
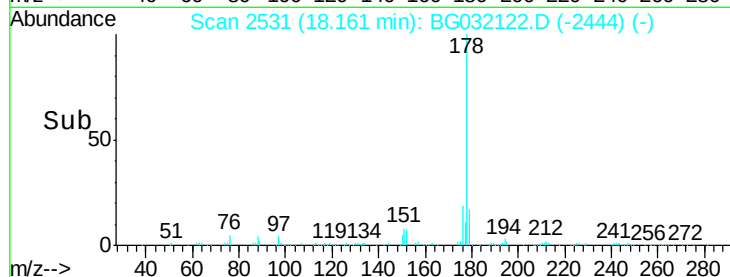
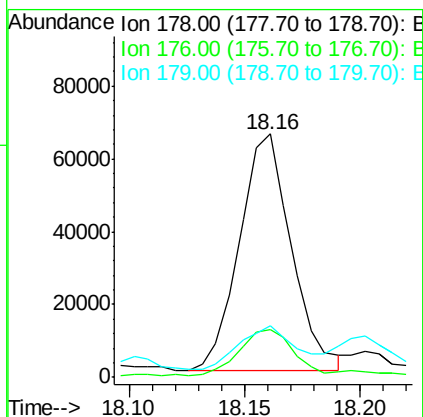
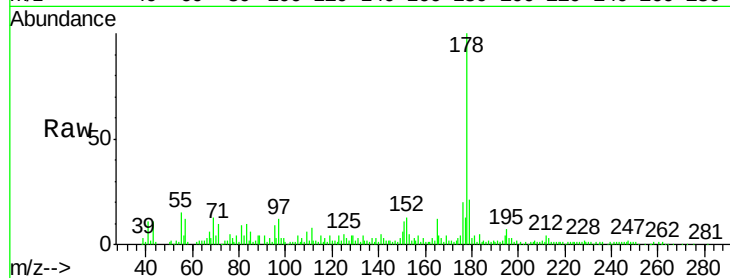




#70
Phenanthrene
Concen: 5.529 ng
RT: 18.16 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

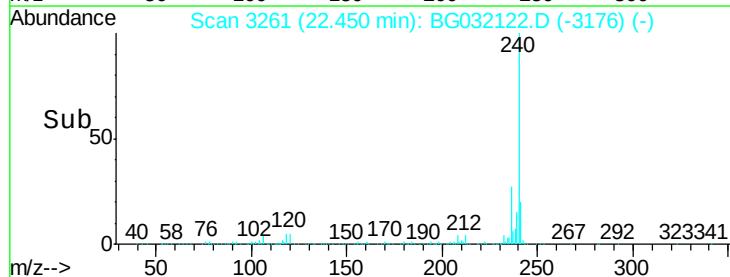
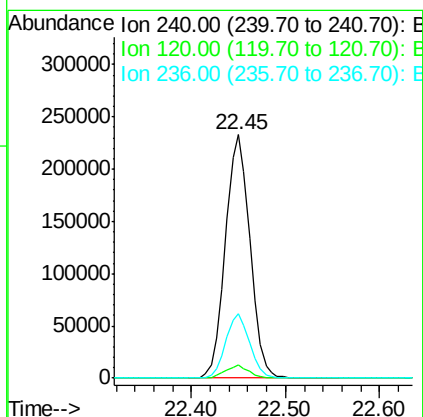
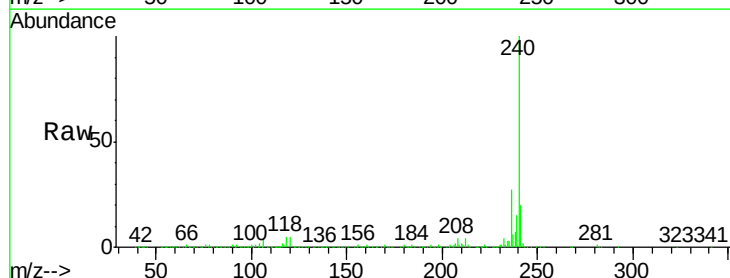
Instrument :
BNA_G
ClientSampleId :

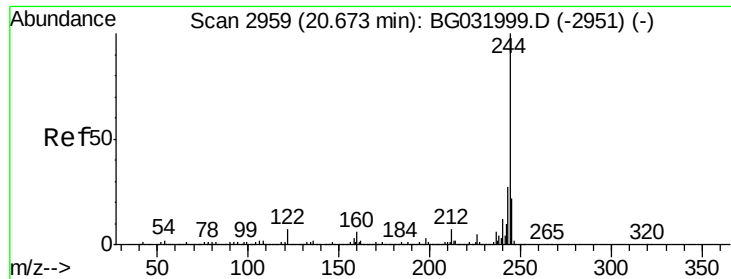
Tot Ion:178 Resp: 102165
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 21.1 12.5 18.7#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.45 min Scan# 3261
Delta R.T. -0.03 min
Lab File: BG032122.D
Acq: 18 Jan 2018 4:35

Tgt Ion:240 Resp: 422816
Ion Ratio Lower Upper
240 100
120 5.2 6.8 10.2#
236 26.7 20.9 31.3





#78

Terphenyl-d14

Concen: 63.642 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

Instrument :

BNA_G

ClientSampleId :

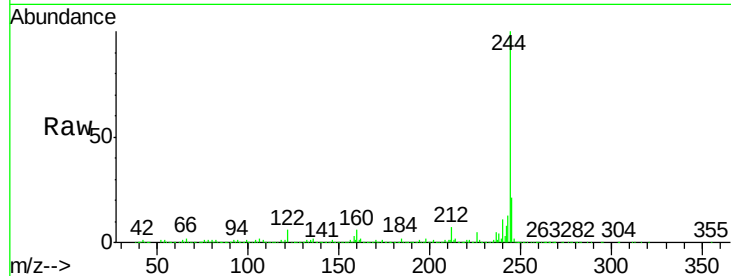
Tot Ion:244 Resp: 1218671

Ion Ratio Lower Upper

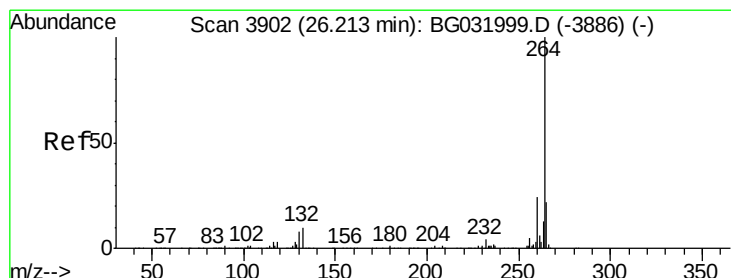
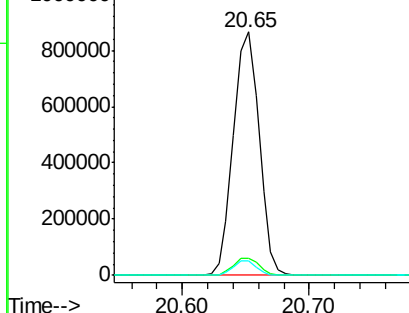
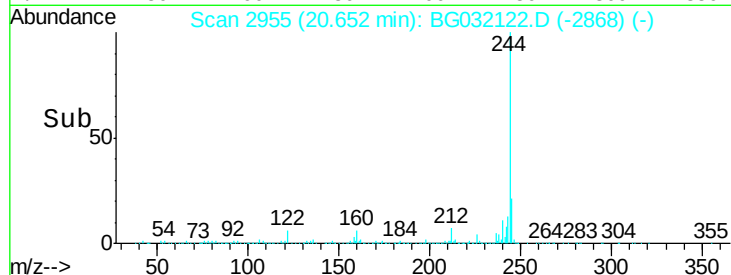
244 100

212 7.2 5.8 8.8

122 5.9 7.0 10.4#



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: 26.15 min Scan# 3891

Delta R.T. -0.06 min

Lab File: BG032122.D

Acq: 18 Jan 2018 4:35

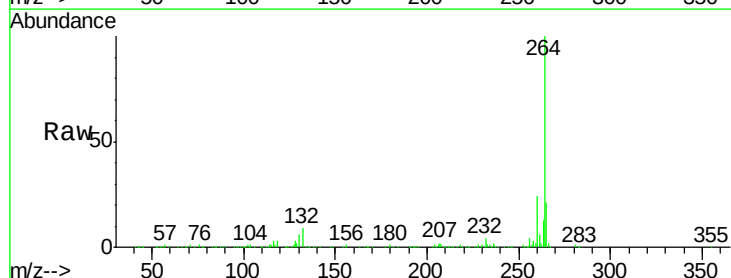
Tgt Ion:264 Resp: 467191

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 21.5 17.7 26.5



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

