

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG121317\
 Data File : BG031531.D
 Acq On : 13 Dec 2017 17:14
 Operator : SJ/JU
 Sample : I6786-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 13 18:09:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51035	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	237081	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	177039	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	450528	20.00	ng	0.00
75) Chrysene-d12	21.74	240	513312	20.00	ng	0.00
86) Perylene-d12	25.03	264	513381	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	187707	65.19	ng	0.00
7) Phenol-d6	7.28	99	181912	45.51	ng	0.00
23) Nitrobenzene-d5	9.28	82	323384	84.07	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	248520	119.82	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1022066	84.74	ng	0.00
78) Terphenyl-d14	20.06	244	1765230	78.24	ng	0.00

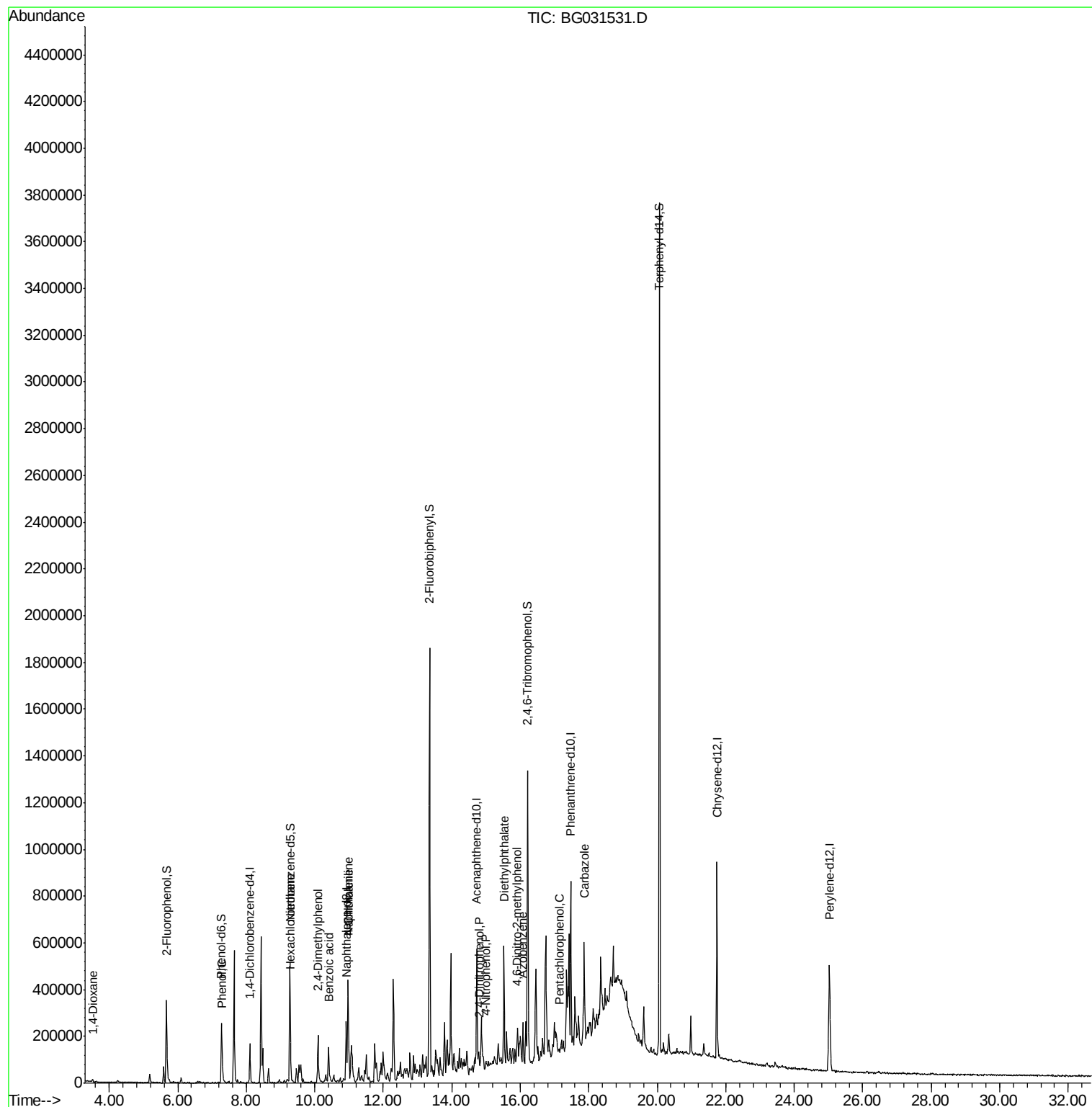
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.51	88	7248	5.276	ng	# 81
10) Phenol	7.30	94	24436	5.951	ng	94
18) Hexachloroethane	9.29	117	4687	3.503	ng	# 1
27) 2,4-Dimethylphenol	10.09	122	74462	25.150	ng	95
31) Naphthalene	10.97	128	394880	33.904	ng	97
32) Benzoic acid	10.40	122	61544	38.810	ng	# 6
33) 4-Chloroaniline	10.97	127	54013	10.681	ng	# 27
53) 2,4-Dinitrophenol	14.82	184	183	9.175	ng	# 1
55) 4-Nitrophenol	15.00	139	1459	4.189	ng	# 81
59) Diethylphthalate	15.53	149	294001	20.011	ng	98
62) Azobenzene	16.07	77	42606	3.501	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.91	198	850	5.189	ng	# 1
69) Pentachlorophenol	17.14	266	452	5.823	ng	91
72) Carbazole	17.88	167	235656	11.190	ng	97

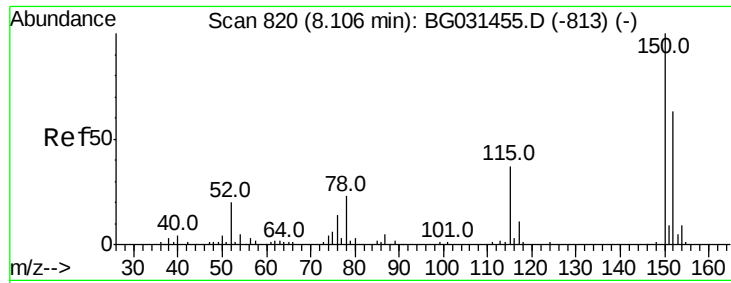
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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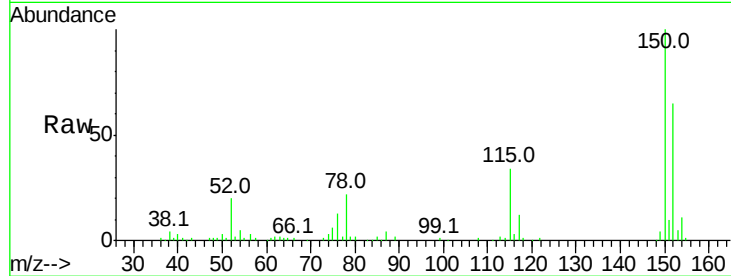


#1

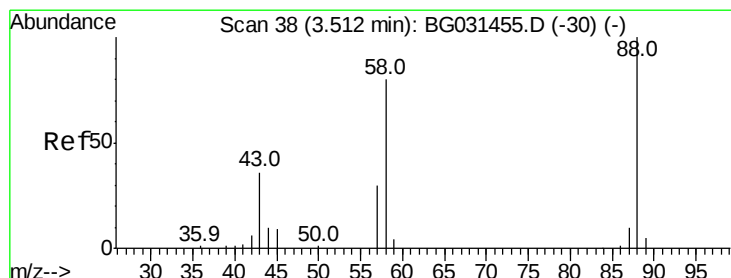
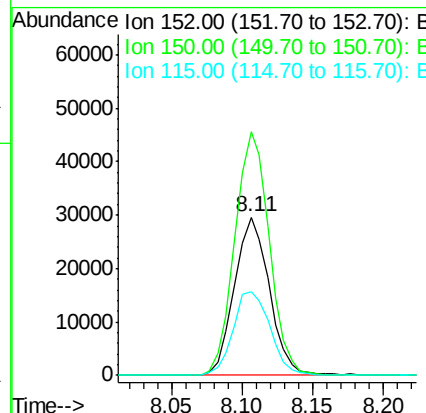
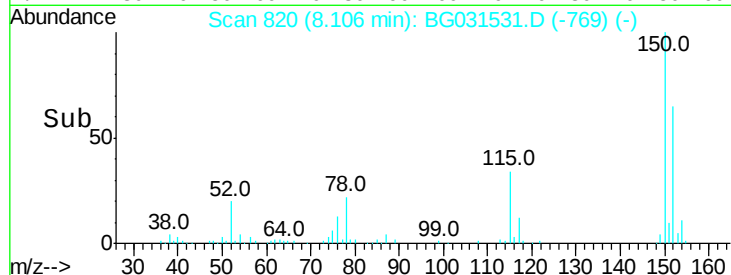
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG031531.D
Acq: 13 Dec 2017 17:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51035
Ion Ratio Lower Upper
152 100
150 154.2 126.6 189.8
115 52.8 53.0 79.4#



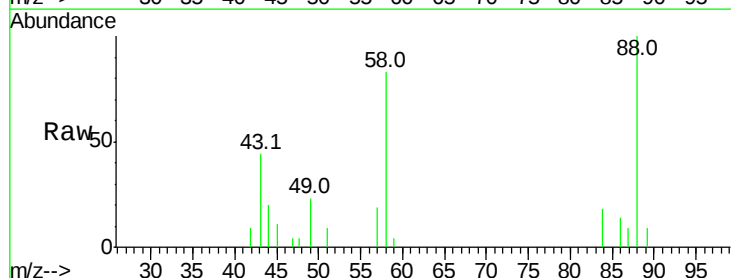
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



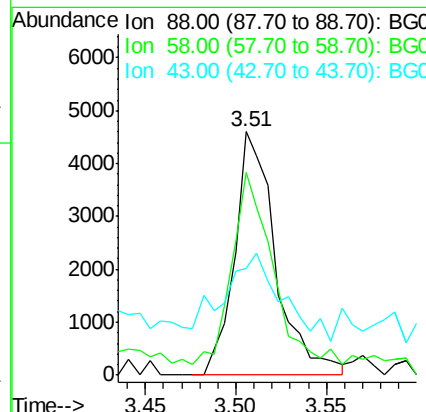
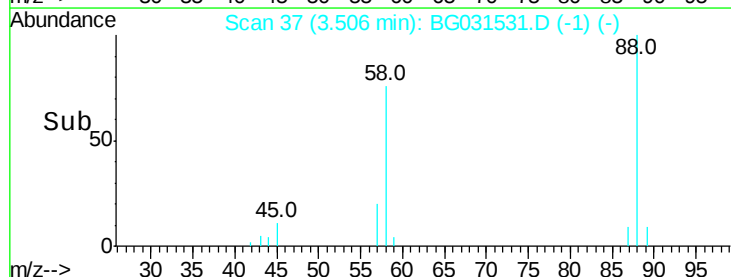
#2

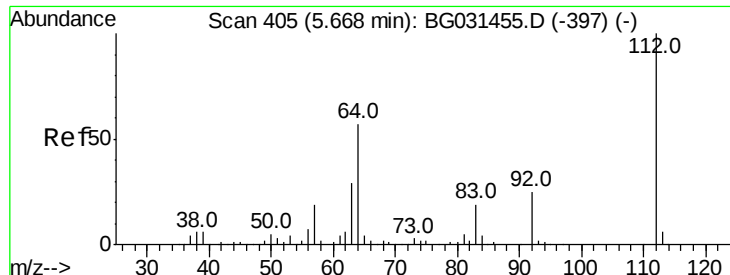
1,4-Dioxane
Concen: 5.276 ng
RT: 3.51 min Scan# 37
Delta R.T. -0.01 min
Lab File: BG031531.D
Acq: 13 Dec 2017 17:14

Tgt Ion: 88 Resp: 7248
Ion Ratio Lower Upper
88 100
58 77.1 79.6 119.4#
43 38.8 27.4 41.0



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 65.193 ng

RT: 5.67 min Scan# 405

Delta R.T. 0.00 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Instrument :

BNA_G

ClientSampled :

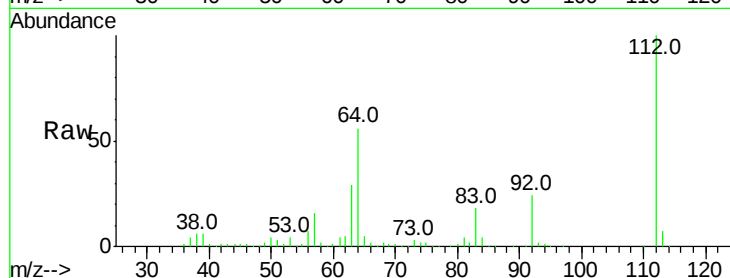
Tot Ion:112 Resp: 187707

Ion Ratio Lower Upper

112 100

64 55.9 56.3 84.5#

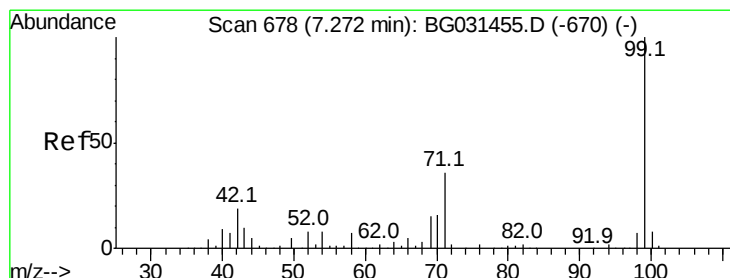
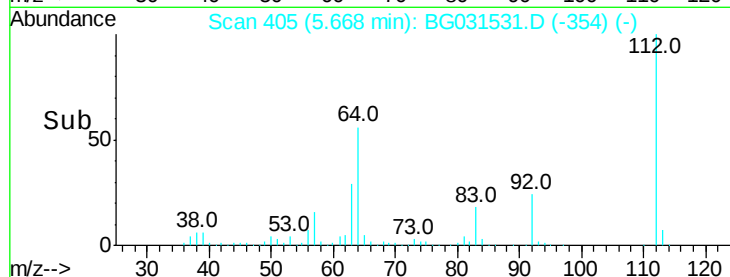
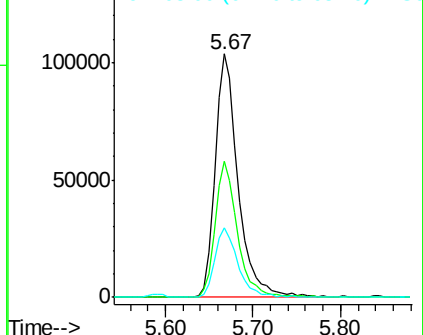
63 28.8 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 45.512 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

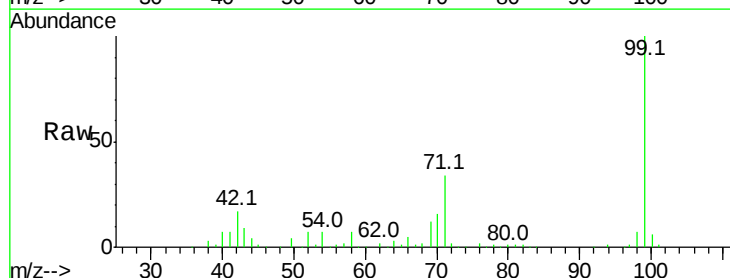
Tgt Ion: 99 Resp: 181912

Ion Ratio Lower Upper

99 100

42 16.8 14.1 21.1

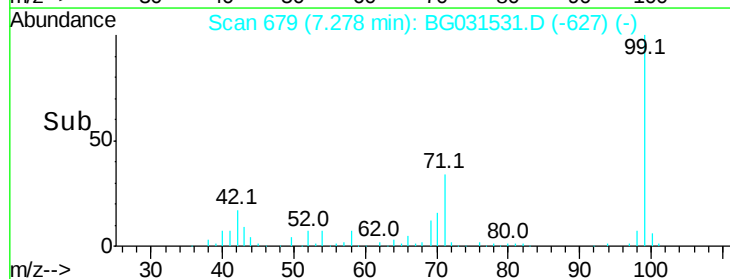
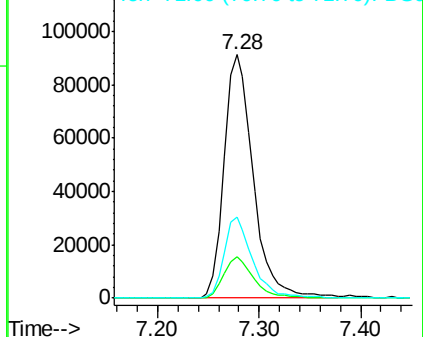
71 33.5 26.1 39.1

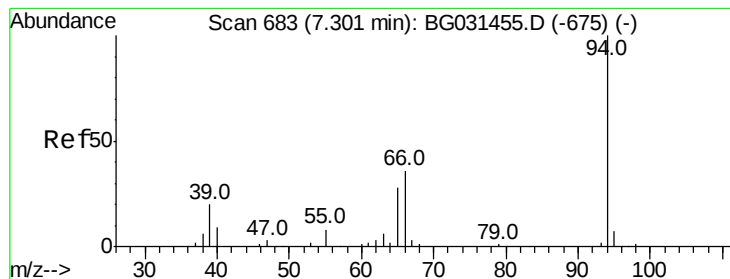


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 5.951 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Instrument :

BNA_G

ClientSampleId :

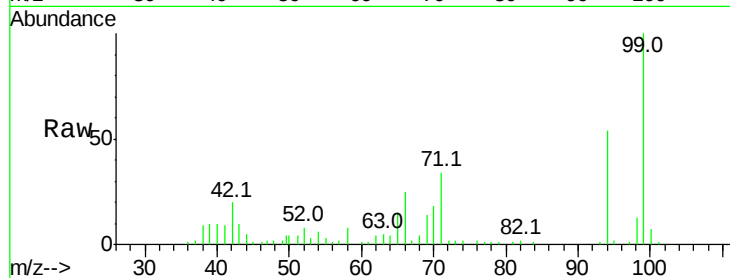
Tot Ion: 94 Resp: 24436

Ion Ratio Lower Upper

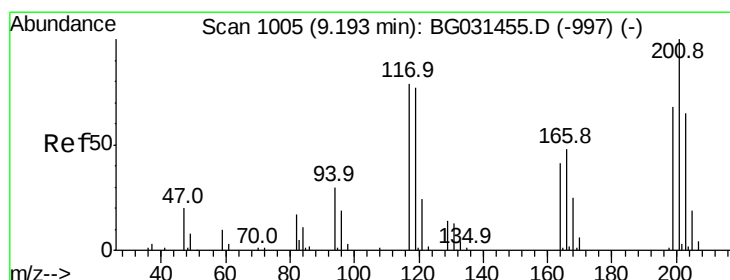
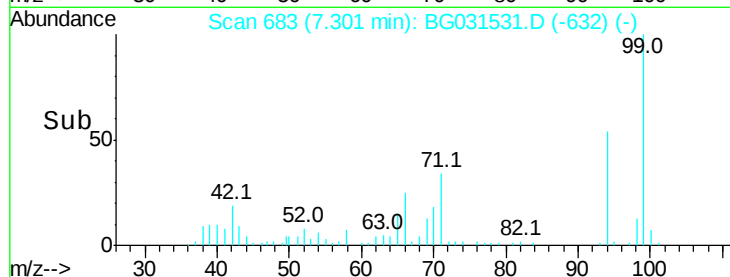
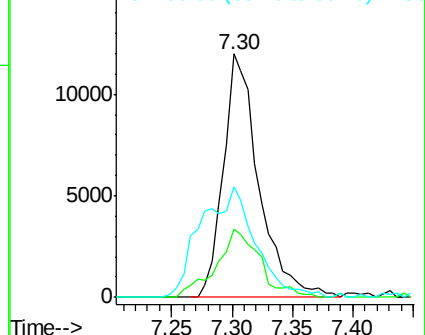
94 100

65 28.3 11.9 51.9

66 45.3 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: 3.503 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.10 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

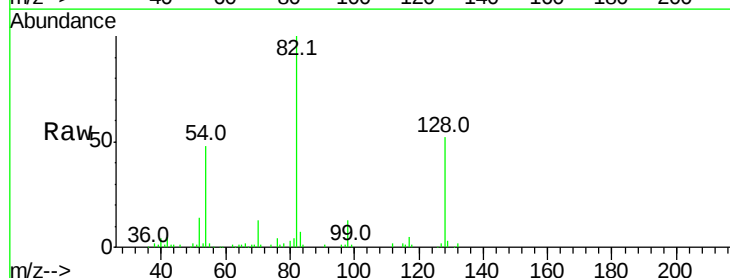
Tgt Ion: 117 Resp: 4687

Ion Ratio Lower Upper

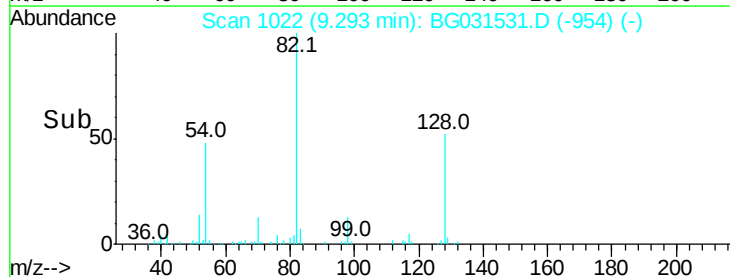
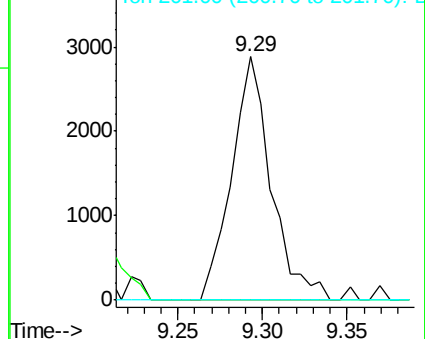
117 100

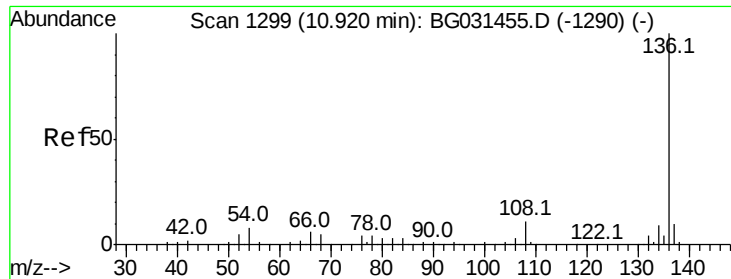
119 0.0 76.7 115.1#

201 0.0 95.7 143.5#



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

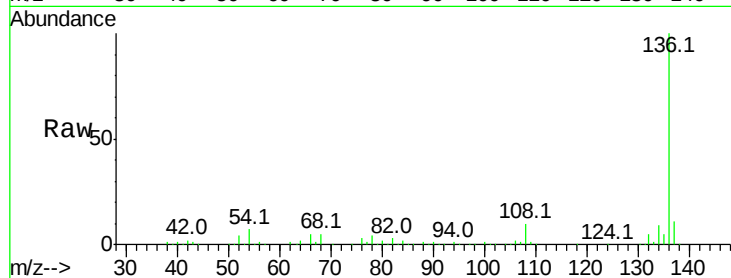




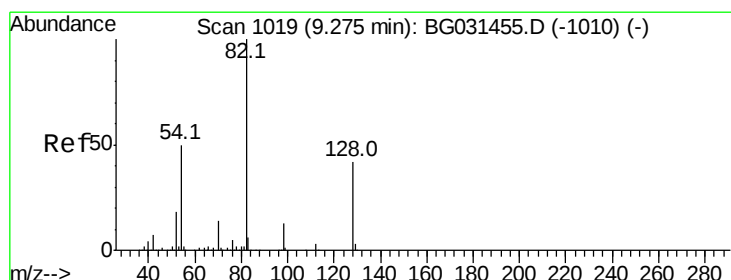
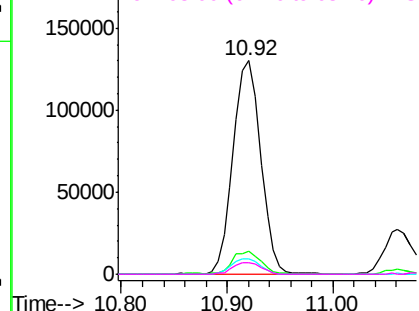
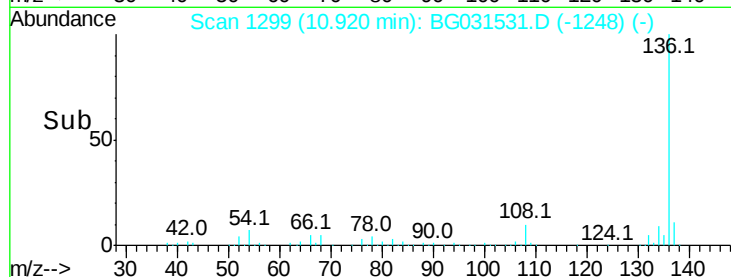
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG031531.D
Acq: 13 Dec 2017 17:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	237081
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.4	10.3	15.5#
68	5.2	4.5	6.7

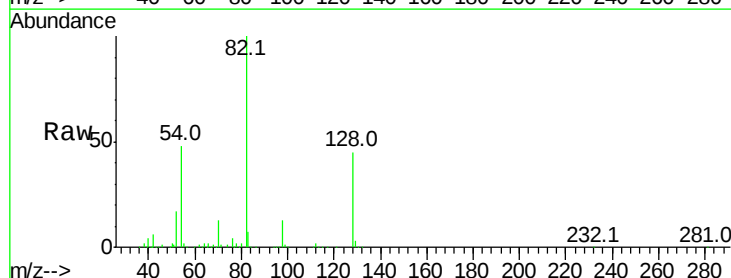


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

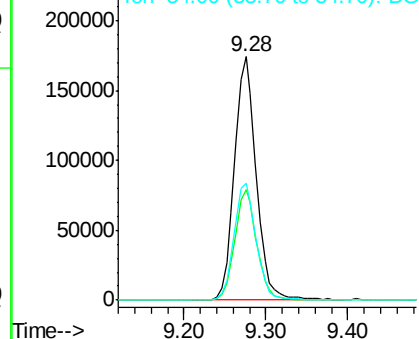
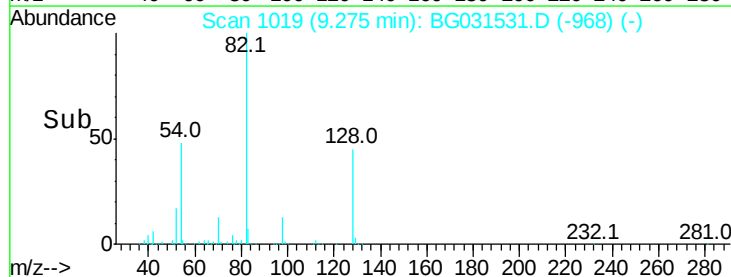


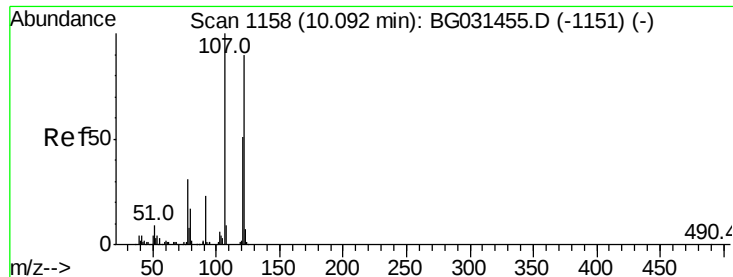
#23
Nitrobenzene-d5
Concen: 84.074 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG031531.D
Acq: 13 Dec 2017 17:14

Tgt Ion:	82	Resp:	323384
Ion	Ratio	Lower	Upper
82	100		
128	45.2	29.7	44.5#
54	47.8	43.1	64.7



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

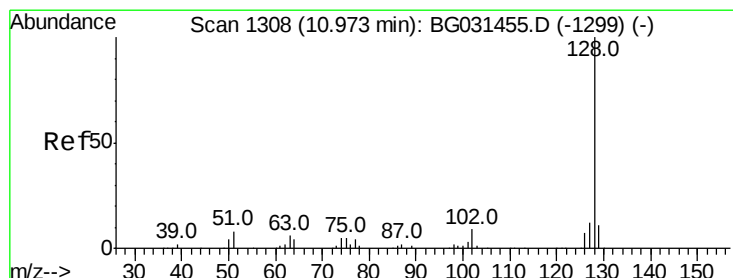
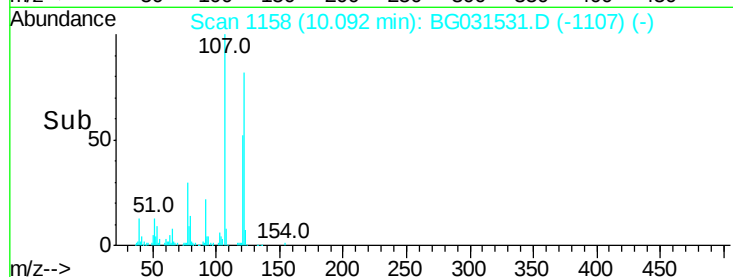
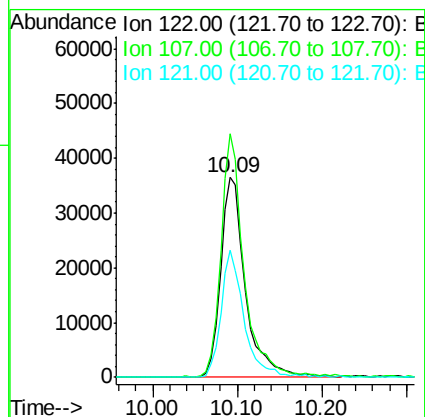
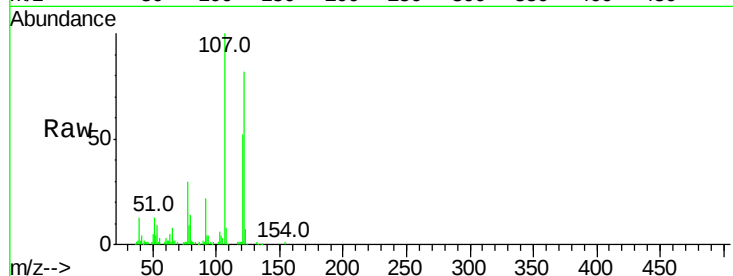




#27
2,4-Dimethylphenol
Concen: 25.150 ng
RT: 10.09 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BG031531.D
Acq: 13 Dec 2017 17:14

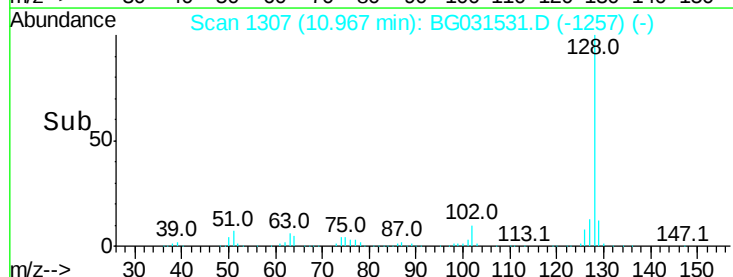
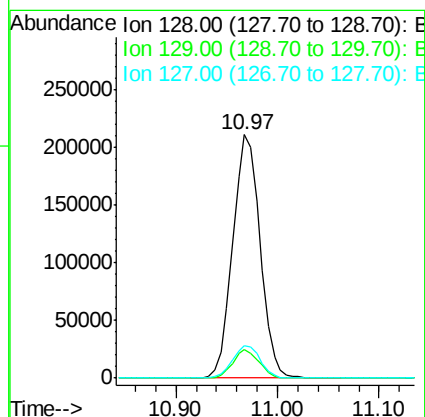
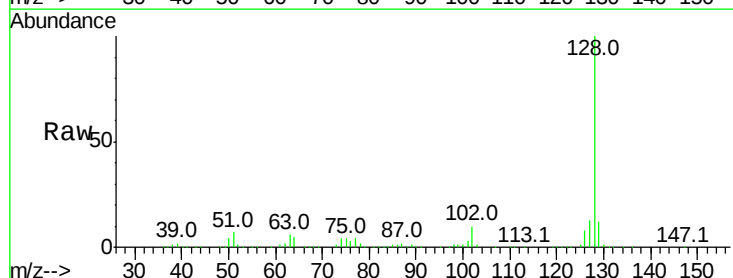
Instrument :
BNA_G
ClientSampleId :

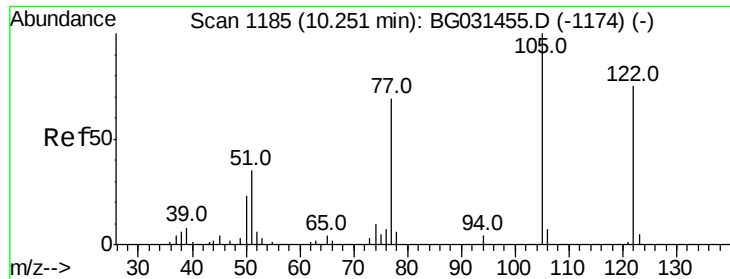
Tot Ion:122 Resp: 74462
Ion Ratio Lower Upper
122 100
107 121.8 100.2 150.2
121 63.5 44.4 66.6



#31
Naphthalene
Concen: 33.904 ng
RT: 10.97 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BG031531.D
Acq: 13 Dec 2017 17:14

Tgt Ion:128 Resp: 394880
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 13.1 11.6 17.4





#32

Benzoic acid

Concen: 38.810 ng

RT: 10.40 min Scan# 1211

Delta R.T. 0.15 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Instrument :

BNA_G

ClientSampleId :

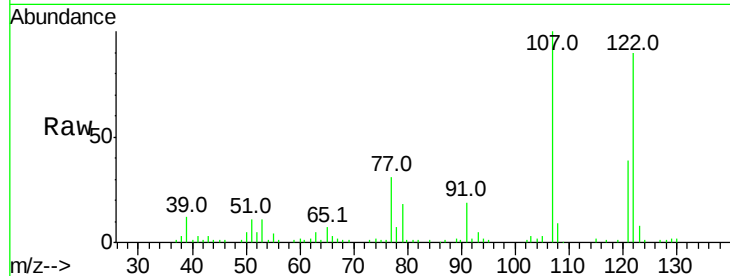
Tot Ion:122 Resp: 61544

Ion Ratio Lower Upper

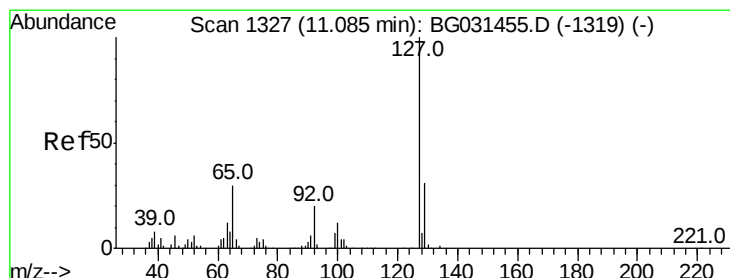
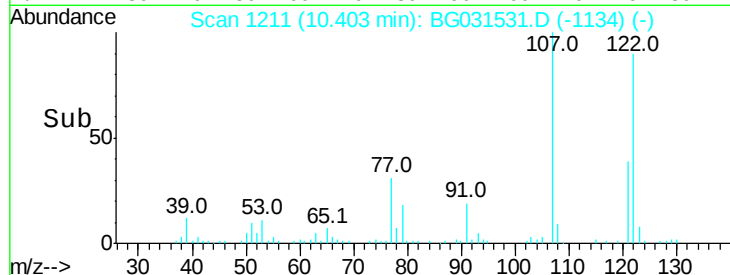
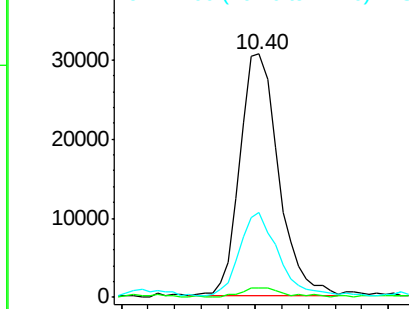
122 100

105 3.6 123.5 163.5#

77 34.6 85.7 125.7#



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): BGC



#33

4-Chloroaniline

Concen: 10.681 ng

RT: 10.97 min Scan# 1307

Delta R.T. -0.12 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Tgt Ion:127 Resp: 54013

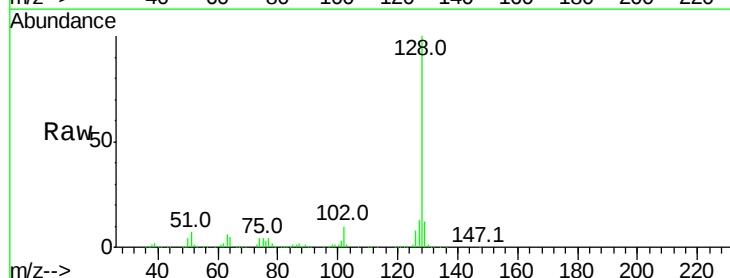
Ion Ratio Lower Upper

127 100

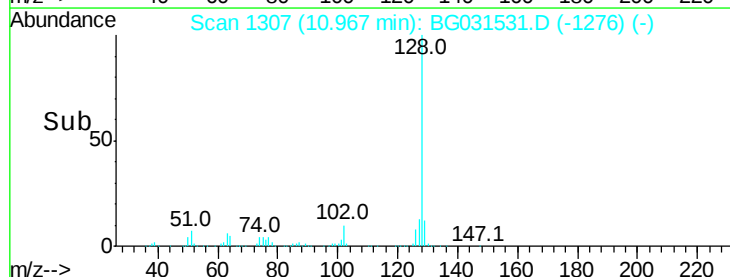
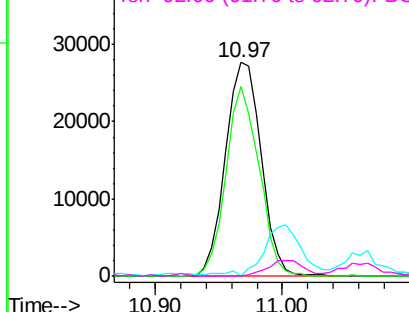
129 88.4 24.0 36.0#

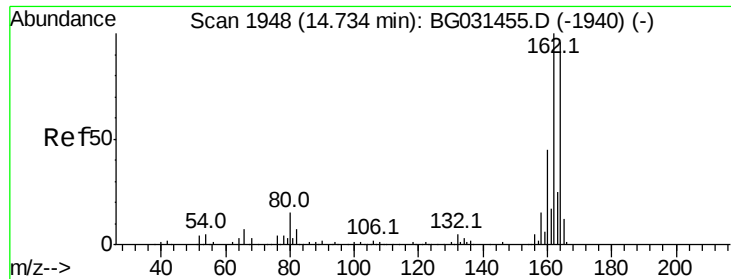
65 0.0 27.0 40.4#

92 0.0 16.6 25.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Instrument :

BNA_G

ClientSampleId :

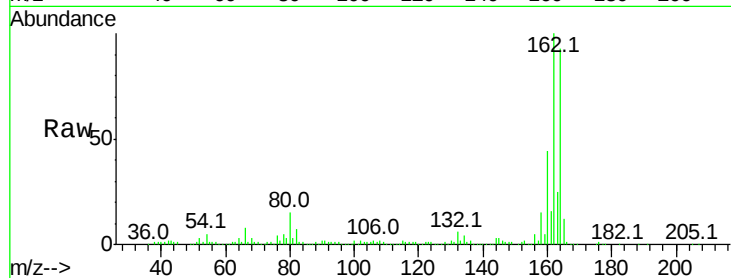
Tot Ion:164 Resp: 177039

Ion Ratio Lower Upper

164 100

162 107.7 78.8 118.2

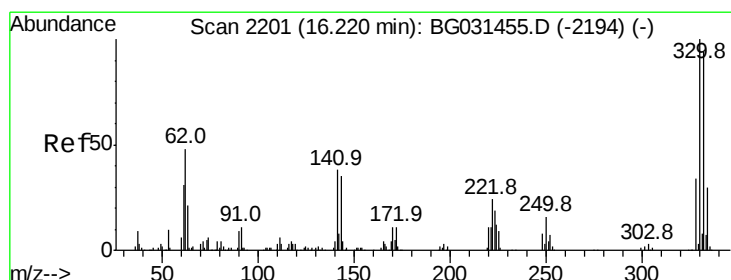
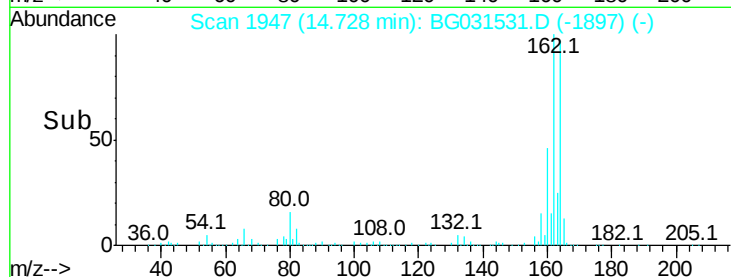
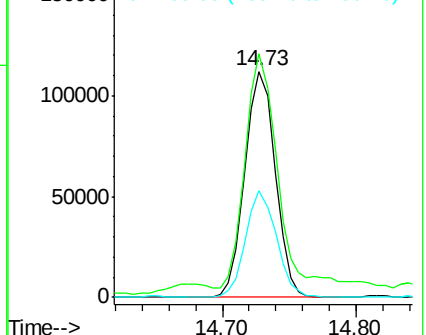
160 47.5 35.4 53.0



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: 119.821 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

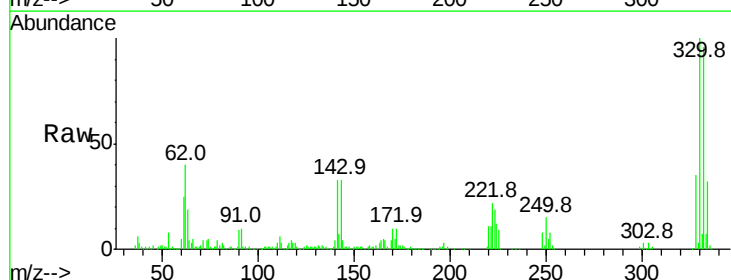
Tgt Ion:330 Resp: 248520

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

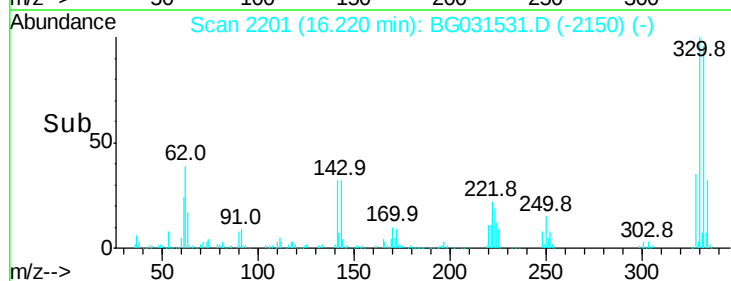
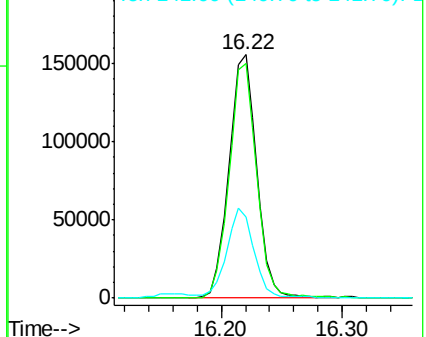
141 35.6 25.2 37.8

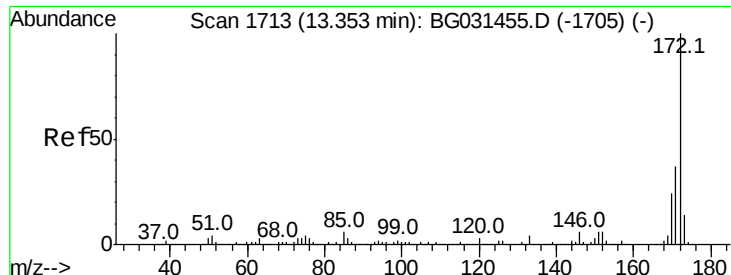


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



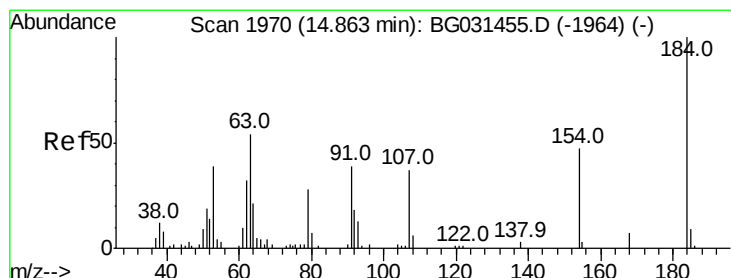
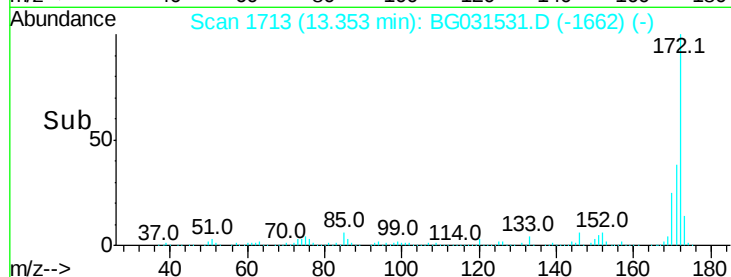
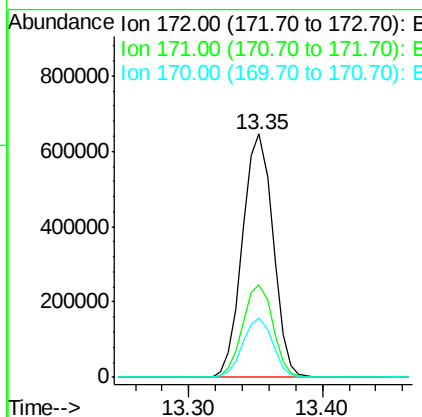
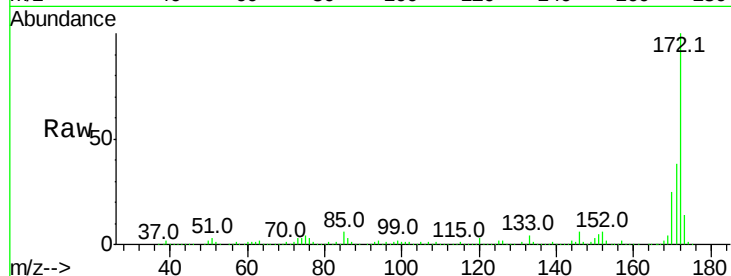


#44
 2-Fluorobiphenyl
 Concen: 84.742 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: BG031531.D
 Acq: 13 Dec 2017 17:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1022066

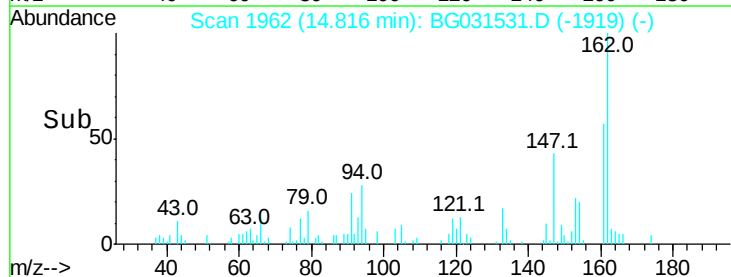
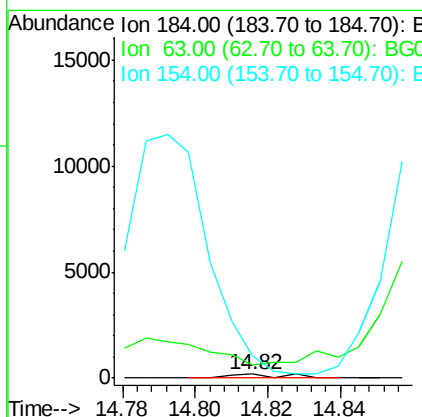
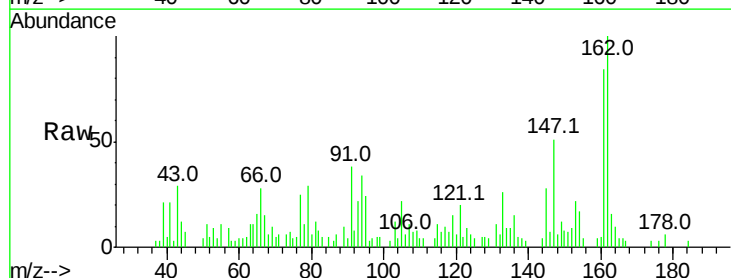
Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	24.5	19.5	29.3

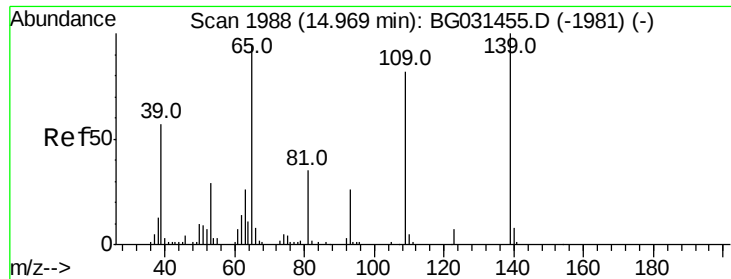


#53
 2,4-Dinitrophenol
 Concen: 9.175 ng
 RT: 14.82 min Scan# 1962
 Delta R.T. -0.05 min
 Lab File: BG031531.D
 Acq: 13 Dec 2017 17:14

Tgt Ion:184 Resp: 183

Ion	Ratio	Lower	Upper
184	100		
63	342.9	59.8	89.8#
154	558.2	101.8	152.8#

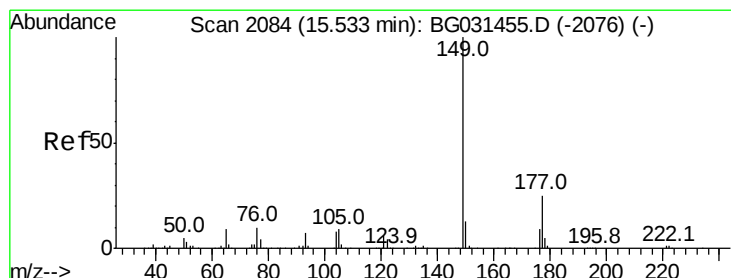
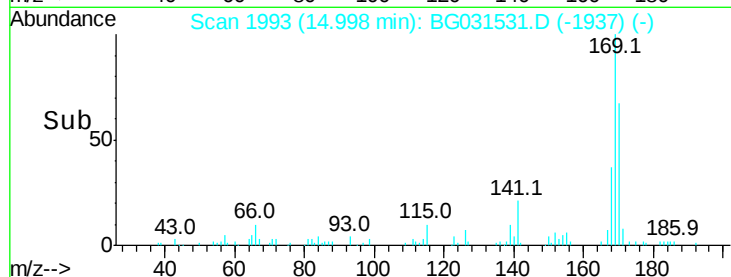
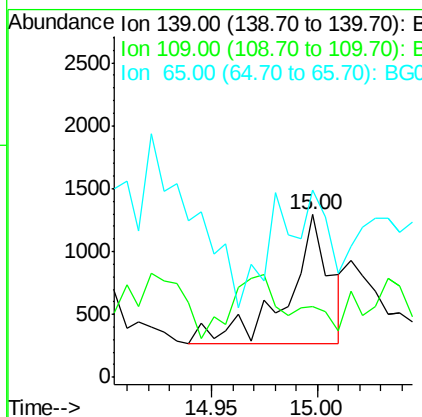
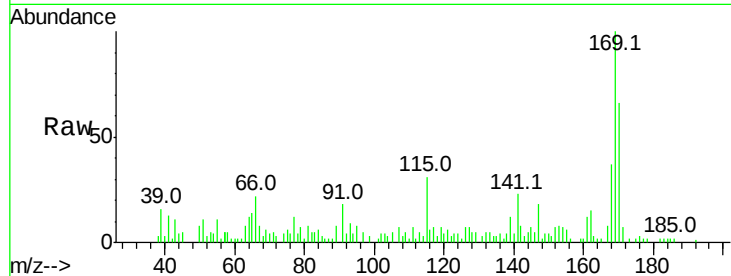




#55
4-Nitrophenol
Concen: 4.189 ng
RT: 15.00 min Scan# 1993
Delta R.T. 0.03 min
Lab File: BG031531.D
Acq: 13 Dec 2017 17:14

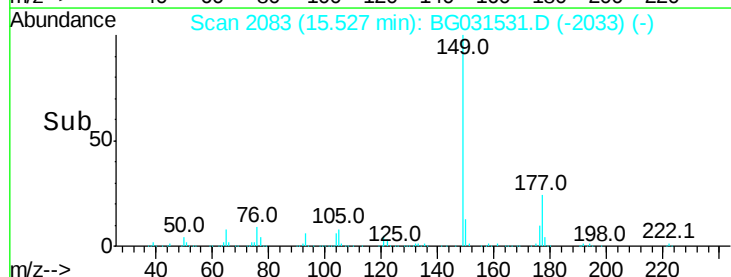
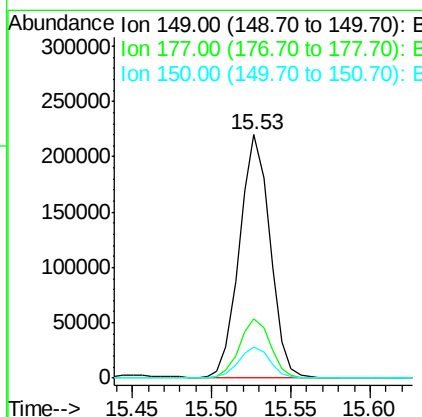
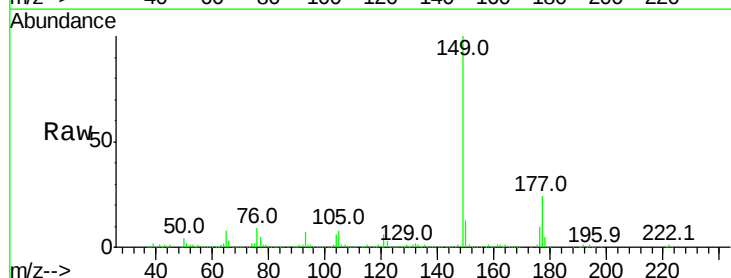
Instrument :
BNA_G
ClientSampleId :

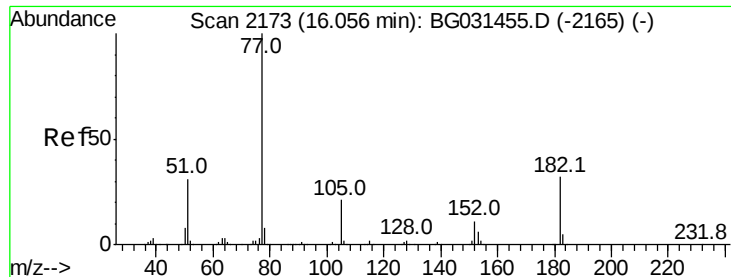
Tot Ion:139 Resp: 1459
Ion Ratio Lower Upper
139 100
109 43.6 62.2 102.2#
65 115.2 97.2 137.2



#59
Diethylphthalate
Concen: 20.011 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BG031531.D
Acq: 13 Dec 2017 17:14

Tgt Ion:149 Resp: 294001
Ion Ratio Lower Upper
149 100
177 24.3 18.5 27.7
150 13.0 10.2 15.2





#62

Azobenzene

Concen: 3.501 ng

RT: 16.07 min Scan# 2176

Delta R.T. 0.02 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Instrument :

BNA_G

ClientSampled :

Tot Ion: 77 Resp: 42606

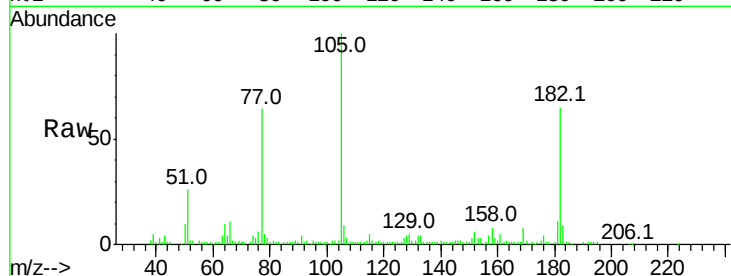
Ion Ratio Lower Upper

77 100

182 101.2 7.4 47.4#

105 156.0 0.3 40.3#

51 39.8 11.6 51.6

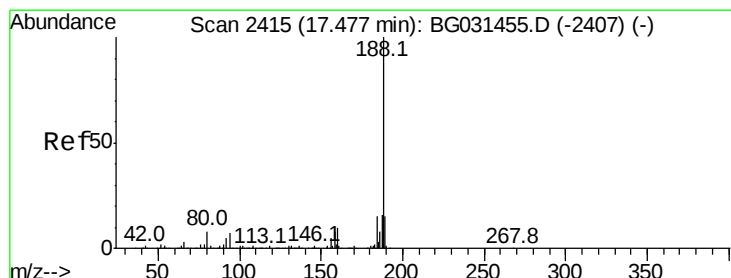
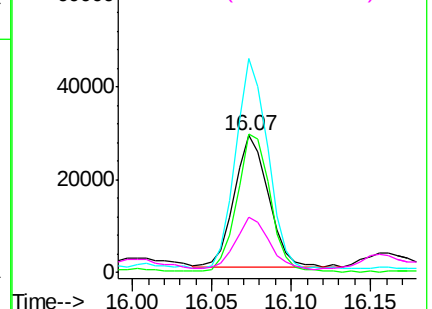
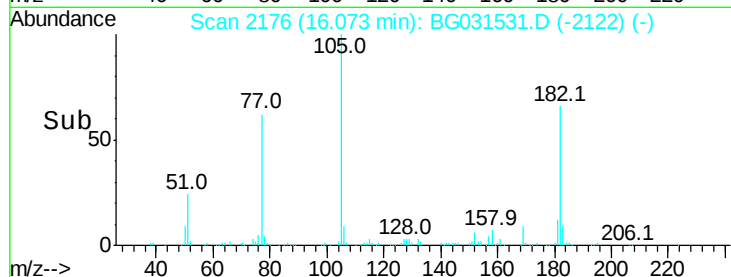


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

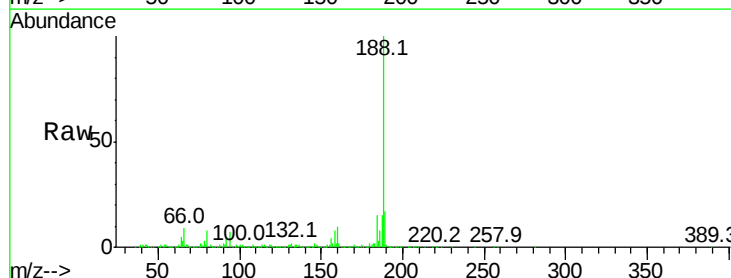
Tgt Ion: 188 Resp: 450528

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

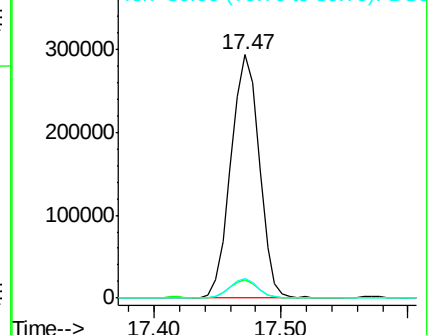
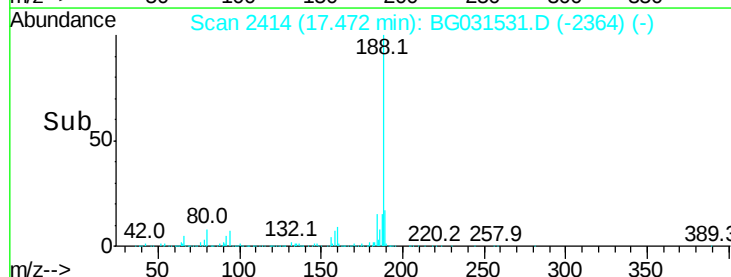
80 8.0 7.7 11.5

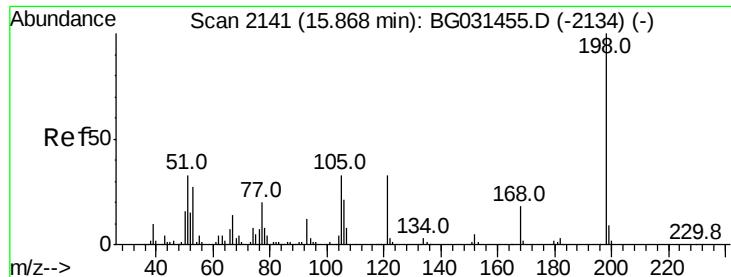


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.189 ng

RT: 15.91 min Scan# 2148

Delta R.T. 0.04 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Instrument :

BNA_G

ClientSampleId :

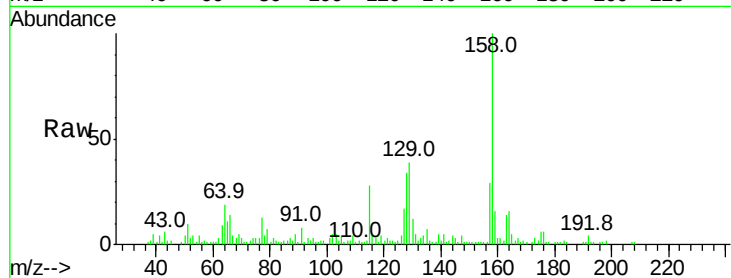
Tot Ion:198 Resp: 850

Ion Ratio Lower Upper

198 100

51 462.7 30.6 70.6#

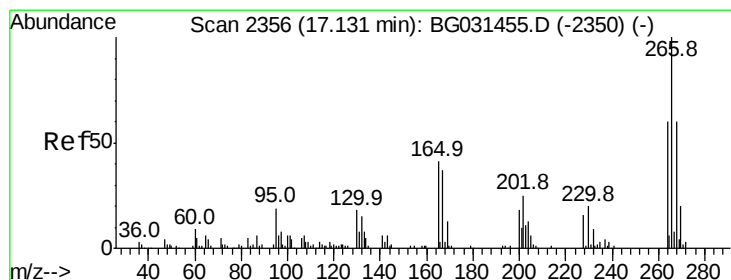
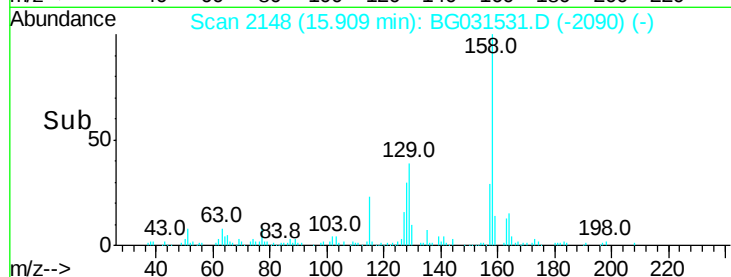
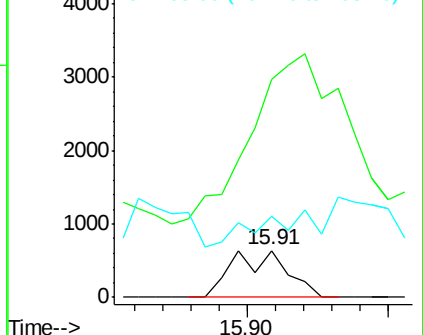
105 173.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#69

Pentachlorophenol

Concen: 5.823 ng

RT: 17.14 min Scan# 2358

Delta R.T. 0.01 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

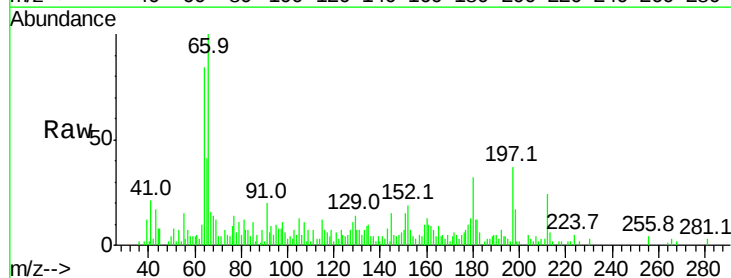
Tgt Ion:266 Resp: 452

Ion Ratio Lower Upper

266 100

268 61.1 51.1 76.7

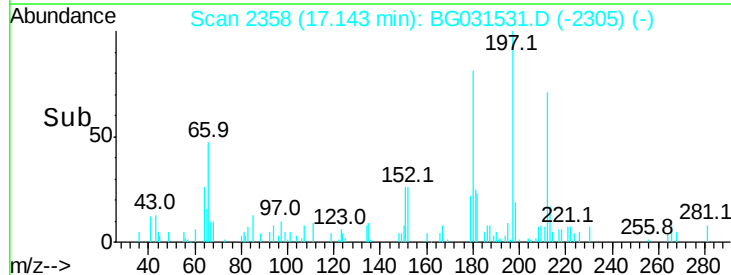
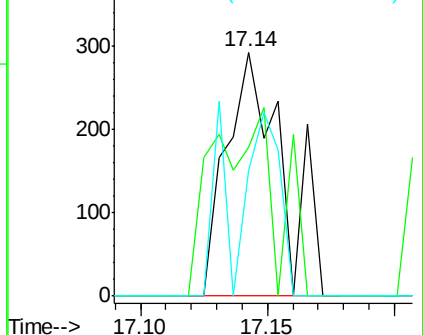
264 51.5 49.6 74.4

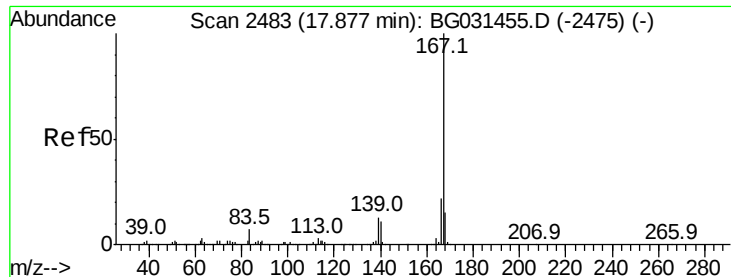


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#72

Carbazole

Concen: 11.190 ng

RT: 17.88 min Scan# 2483

Delta R.T. -0.00 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Instrument :

BNA_G

ClientSampleId :

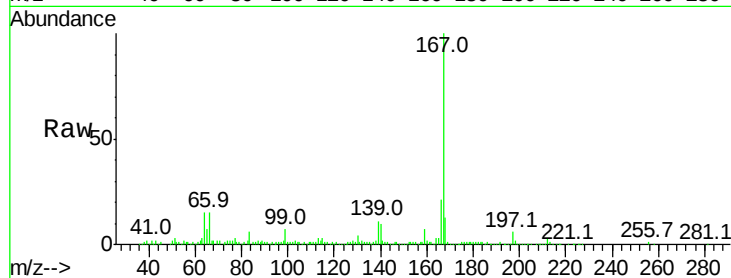
Tot Ion:167 Resp: 235656

Ion Ratio Lower Upper

167 100

166 21.2 18.2 27.4

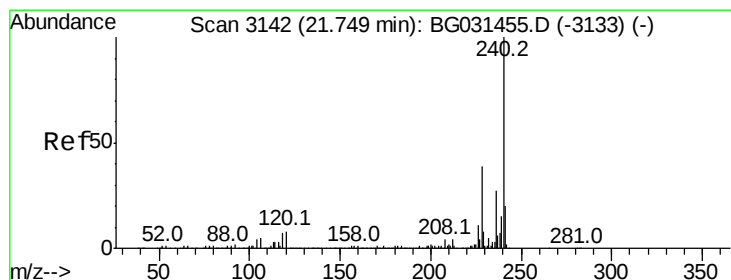
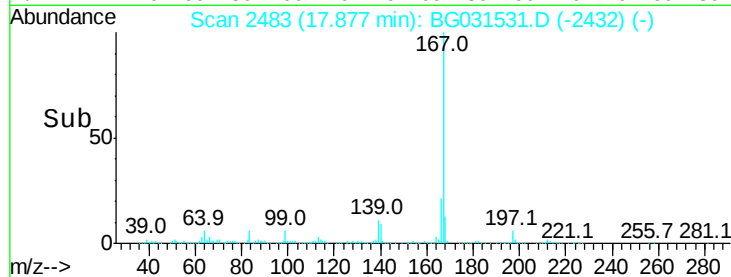
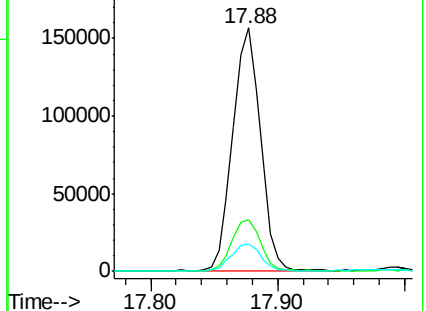
139 11.4 9.4 14.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

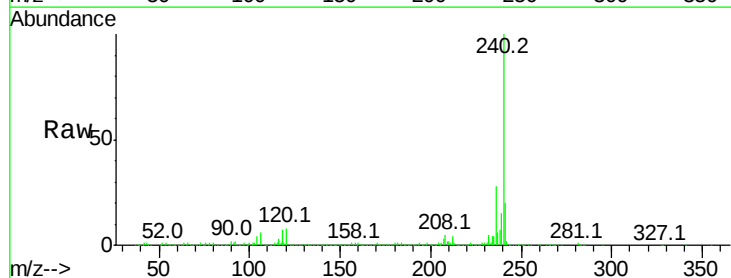
Tgt Ion:240 Resp: 513312

Ion Ratio Lower Upper

240 100

120 7.9 6.8 10.2

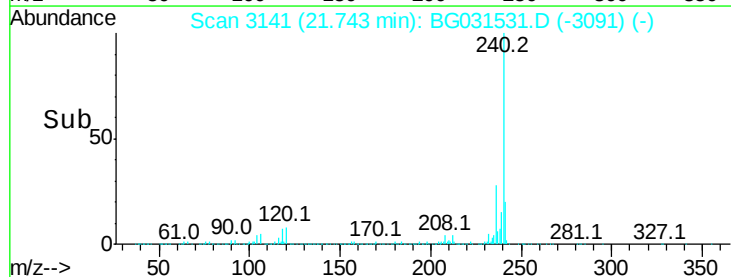
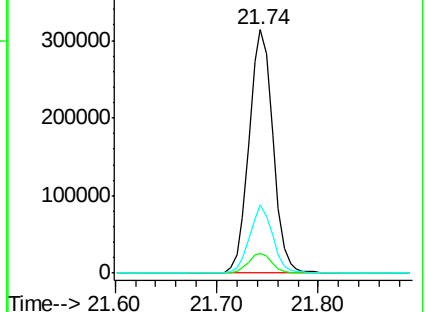
236 27.9 20.9 31.3

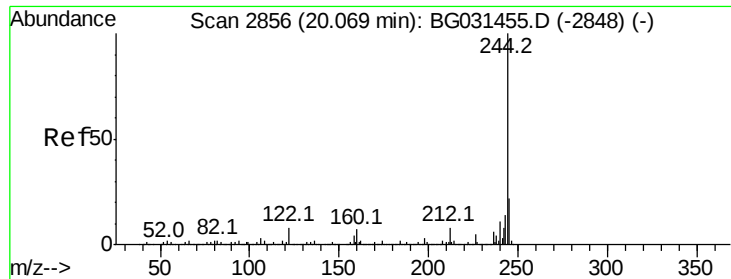


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.241 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

Instrument :

BNA_G

ClientSampleId :

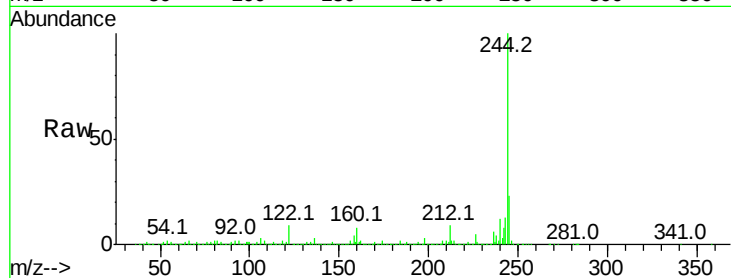
Tot Ion:244 Resp: 1765230

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

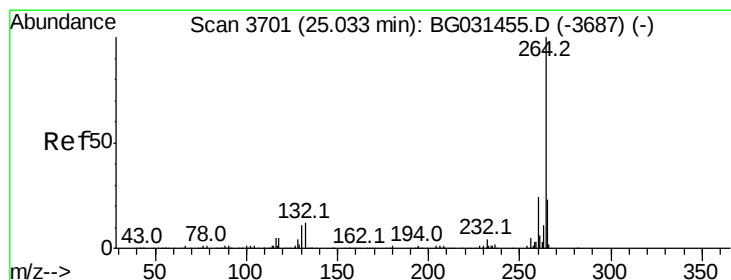
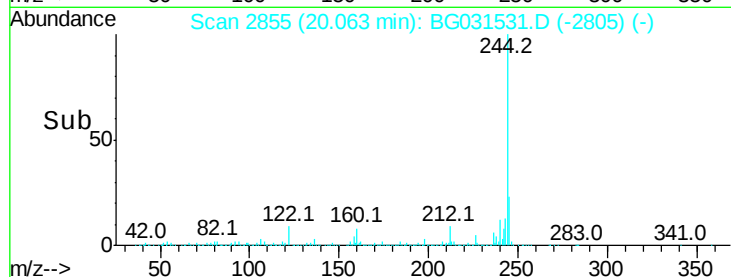
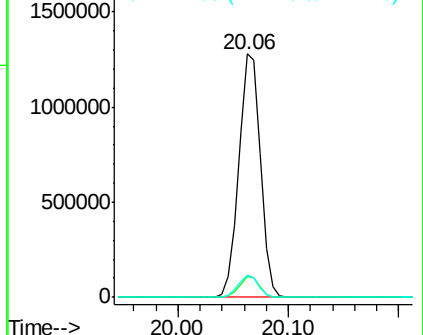
122 8.9 7.0 10.4



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: 25.03 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BG031531.D

Acq: 13 Dec 2017 17:14

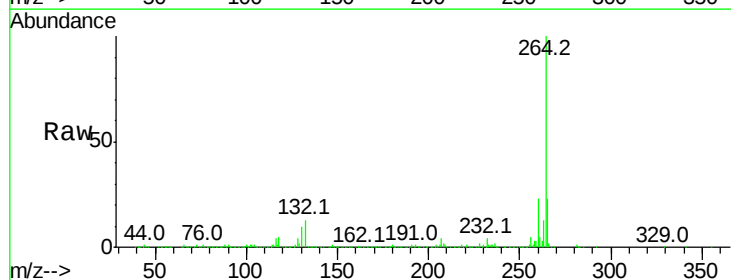
Tgt Ion:264 Resp: 513381

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 22.6 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

