

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062717\
 Data File : BG027702.D
 Acq On : 27 Jun 2017 19:16
 Operator : SJ/JU
 Sample : I3870-01DL 25X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 28 01:10:40 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

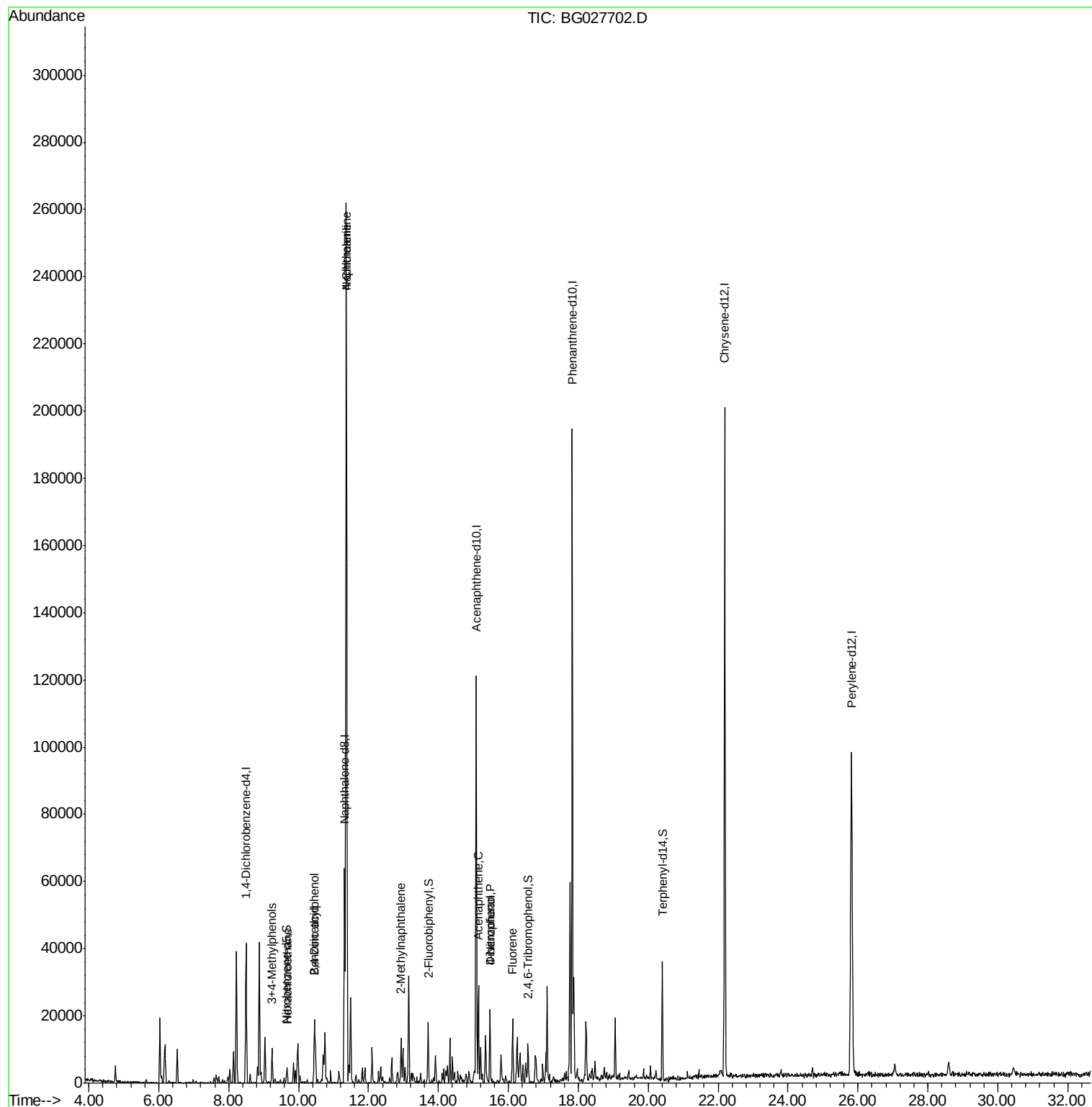
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.49	152	11081	20.00	ng	-0.01
21) Naphthalene-d8	11.31	136	53836	20.00	ng	-0.01
38) Acenaphthene-d10	15.08	164	39478	20.00	ng	-0.01
63) Phenanthrene-d10	17.83	188	118885	20.00	ng	-0.01
75) Chrysene-d12	22.19	240	136446	20.00	ng	-0.03
86) Perylene-d12	25.81	264	122813	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.08	112	1037	1.33	ng	0.00
7) Phenol-d6	7.64	99	1482	1.29	ng	0.00
23) Nitrobenzene-d5	9.66	82	3318	2.92	ng	0.00
41) 2,4,6-Tribromophenol	16.57	330	1957	3.33	ng	-0.01
44) 2-Fluorobiphenyl	13.71	172	9644	3.34	ng	-0.01
78) Terphenyl-d14	20.40	244	16703	2.88	ng	-0.01
Target Compounds						
18) Hexachloroethane	9.68	117	1004	2.92	ng	Qvalue # 1
20) 3+4-Methylphenols	9.24	107	4772	4.22	ng	86
27) 2,4-Dimethylphenol	10.46	122	8565	9.83	ng	99
31) Naphthalene	11.37	128	218145	74.97	ng	98
32) Benzoic acid	10.46	122	8565	19.41	ng	# 6
33) 4-Chloroaniline	11.37	127	30798	24.96	ng	# 32
37) 2-Methylnaphthalene	12.93	142	6201	2.93	ng	95
51) Acenaphthene	15.15	154	11181	3.74	ng	95
54) Dibenzofuran	15.47	168	13129	3.37	ng	95
55) 4-Nitrophenol	15.47	139	5461	8.24	ng	# 1
57) Fluorene	16.12	166	8446	2.29	ng	97

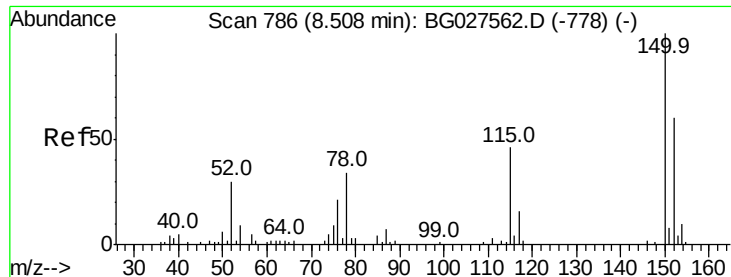
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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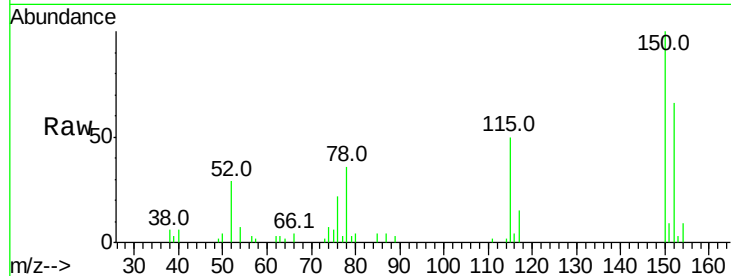


#1

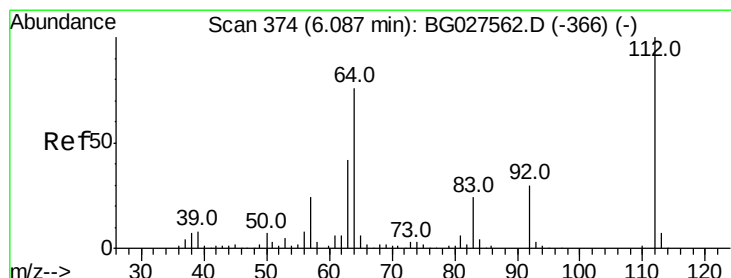
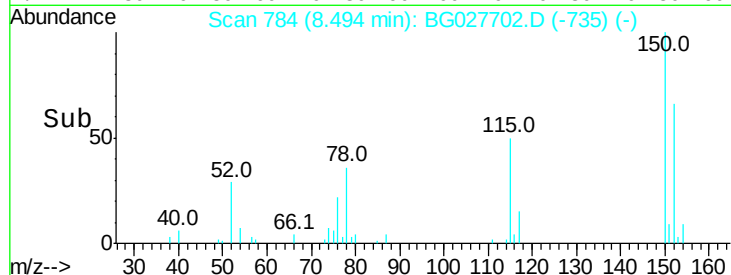
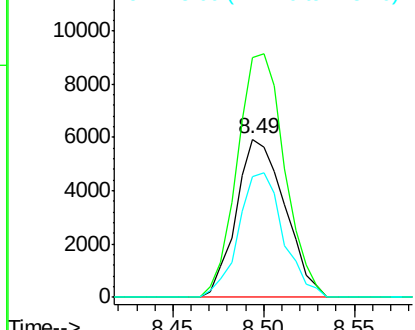
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.49 min Scan# 784
Delta R.T. -0.01 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 11081
Ion Ratio Lower Upper
152 100
150 151.8 114.0 171.0
115 76.6 48.1 72.1#



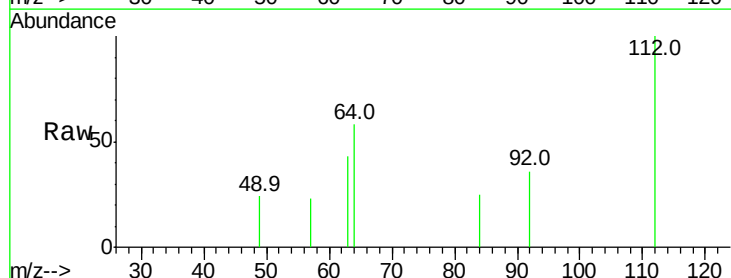
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



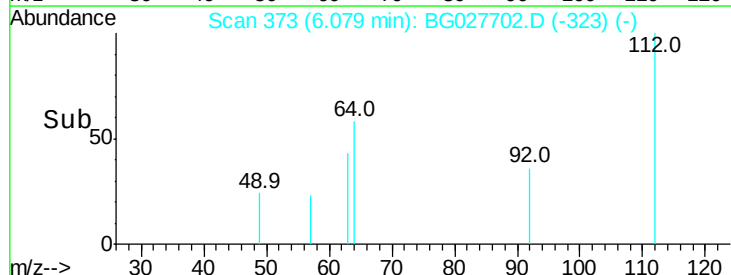
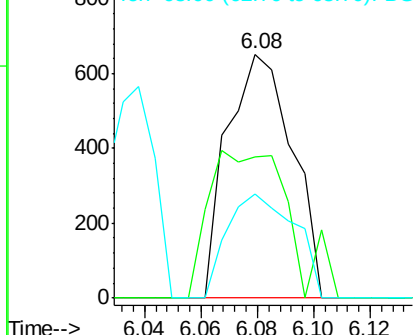
#5

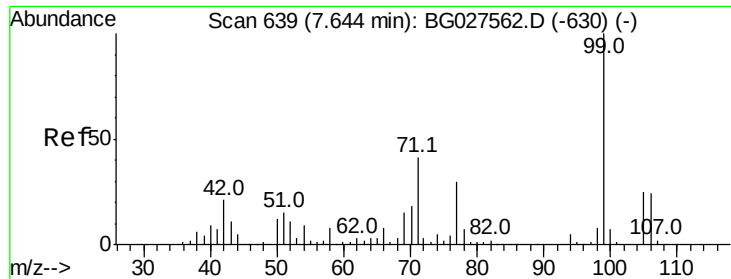
2-Fluorophenol
Concen: 1.33 ng
RT: 6.08 min Scan# 373
Delta R.T. -0.01 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

Tgt Ion:112 Resp: 1037
Ion Ratio Lower Upper
112 100
64 58.1 61.8 92.6#
63 42.5 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: 1.29 ng

RT: 7.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BG027702.D

Acq: 27 Jun 2017 19:16

Instrument :

BNA_G

ClientSampleId :

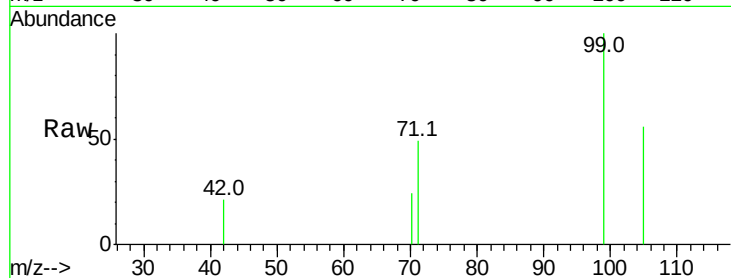
Tot Ion: 99 Resp: 1482

Ion Ratio Lower Upper

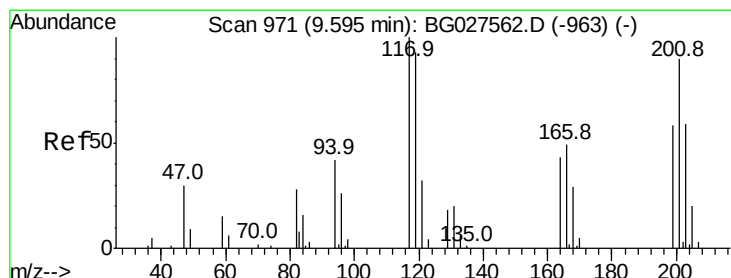
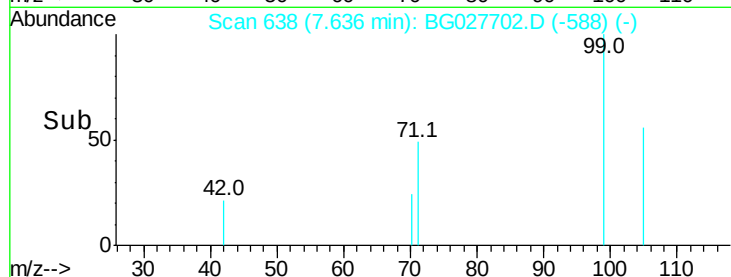
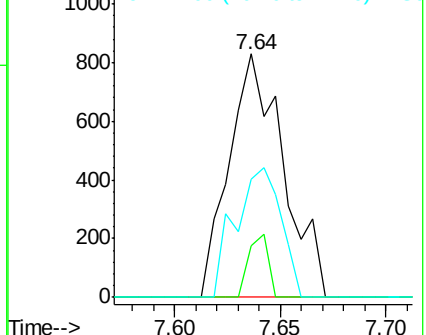
99 100

42 21.1 20.5 30.7

71 48.6 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



#18

Hexachloroethane

Concen: 2.92 ng

RT: 9.68 min Scan# 986

Delta R.T. 0.09 min

Lab File: BG027702.D

Acq: 27 Jun 2017 19:16

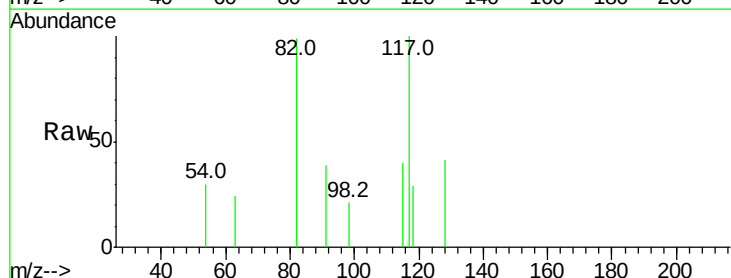
Tgt Ion: 117 Resp: 1004

Ion Ratio Lower Upper

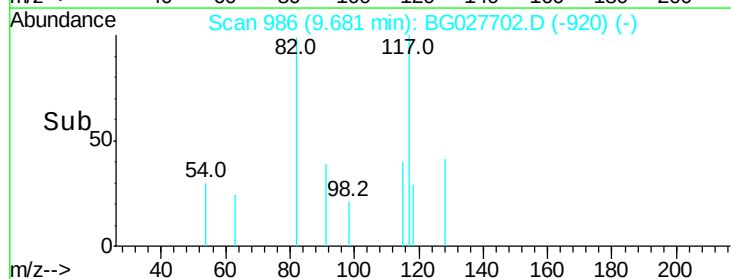
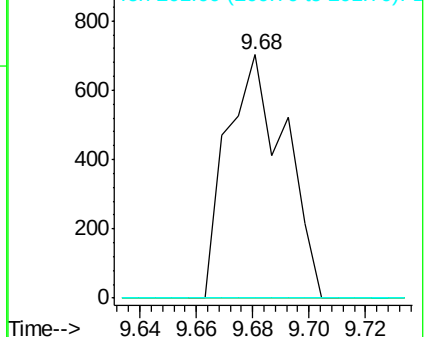
117 100

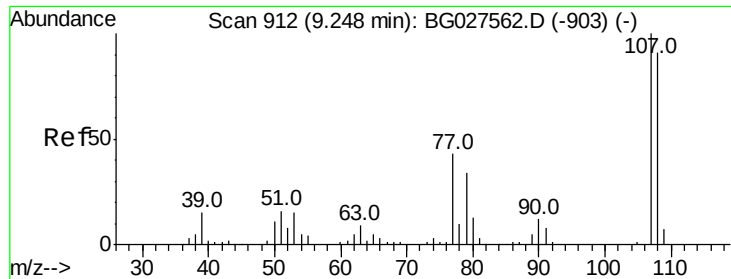
119 0.0 69.8 104.6#

201 0.0 95.4 143.0#



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

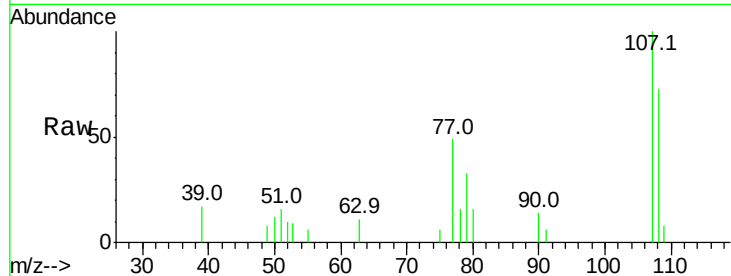




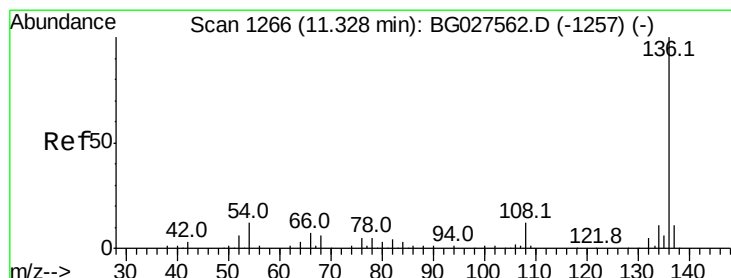
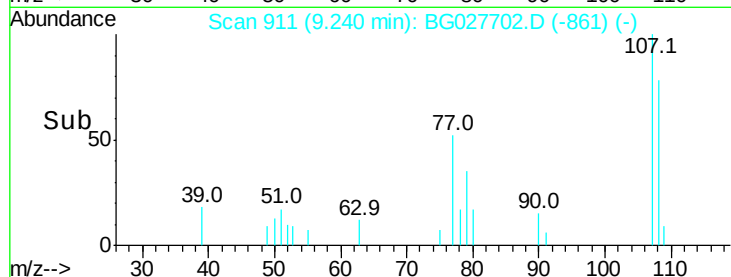
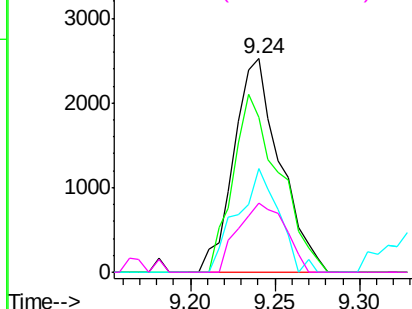
#20
3+4-Methylphenols
Concen: 4.22 ng
RT: 9.24 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	107	Resp:	4772
Ion	Ratio	Lower	Upper
107	100		
108	72.7	70.8	110.8
77	48.6	25.8	65.8
79	32.6	20.1	60.1

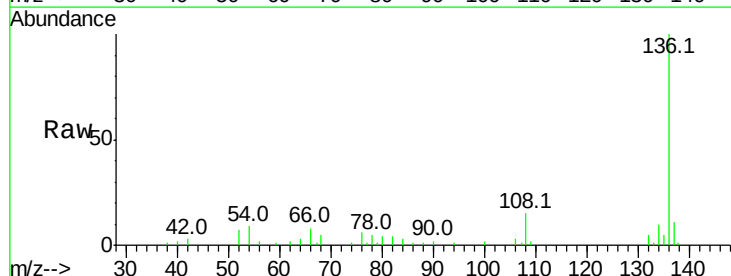


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

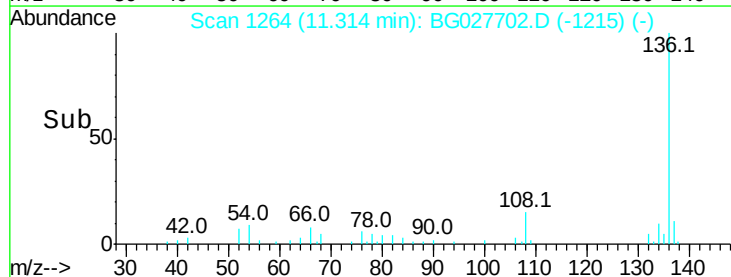
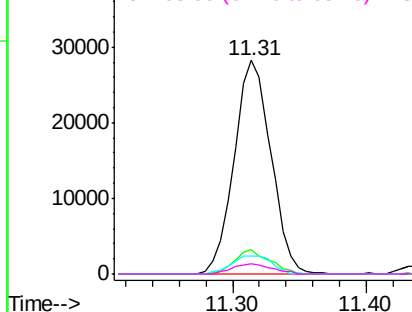


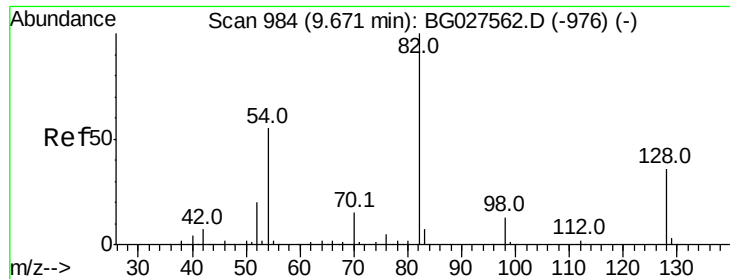
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.31 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

Tgt Ion:	136	Resp:	53836
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.7	9.3	13.9#
68	4.8	5.1	7.7#



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

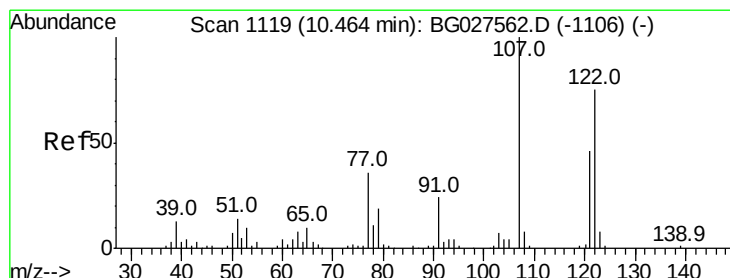
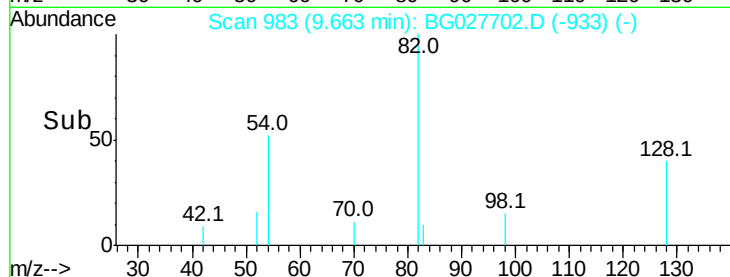
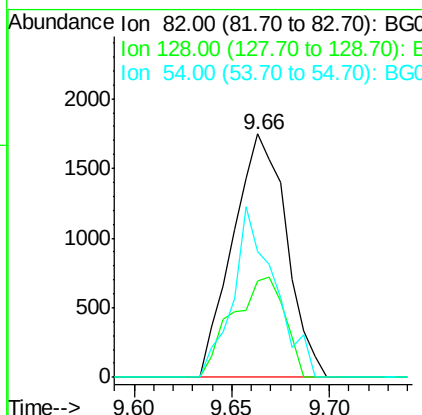
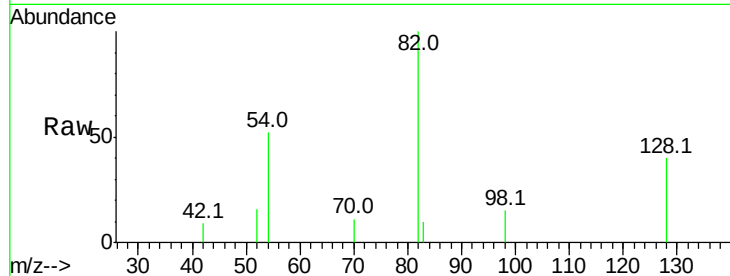




#23
 Nitrobenzene-d5
 Concen: 2.92 ng
 RT: 9.66 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BG027702.D
 Acq: 27 Jun 2017 19:16

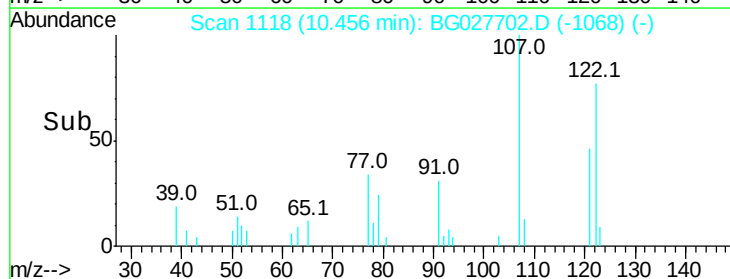
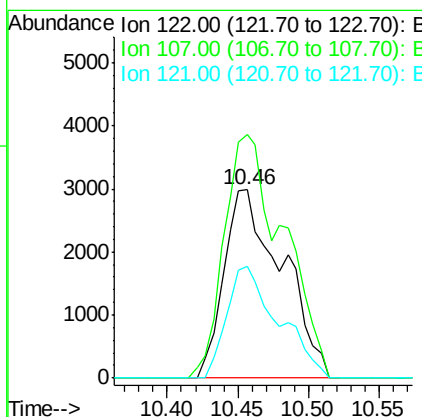
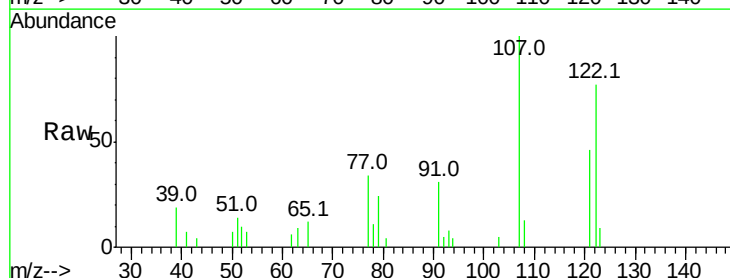
Instrument :
 BNA_G
 ClientSampleID :

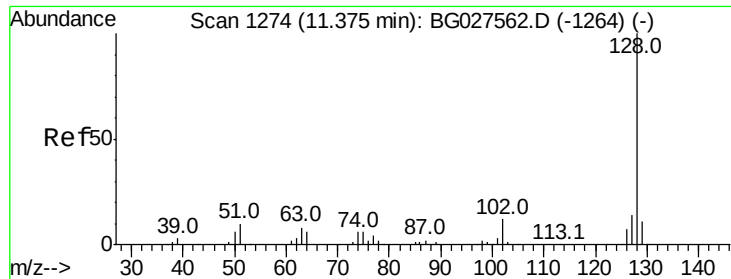
Tot Ion: 82 Resp: 3318
 Ion Ratio Lower Upper
 82 100
 128 39.6 26.4 39.6#
 54 51.6 49.4 74.2



#27
 2,4-Dimethylphenol
 Concen: 9.83 ng
 RT: 10.46 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BG027702.D
 Acq: 27 Jun 2017 19:16

Tgt Ion:122 Resp: 8565
 Ion Ratio Lower Upper
 122 100
 107 129.4 104.2 156.4
 121 59.2 46.0 69.0

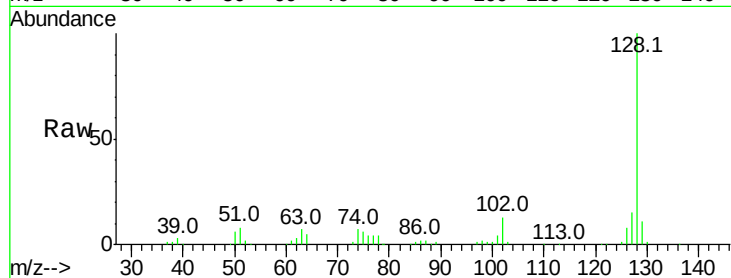




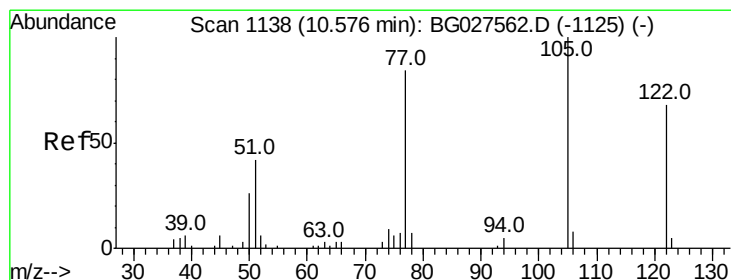
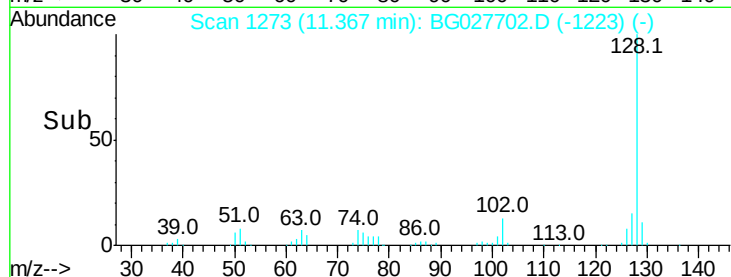
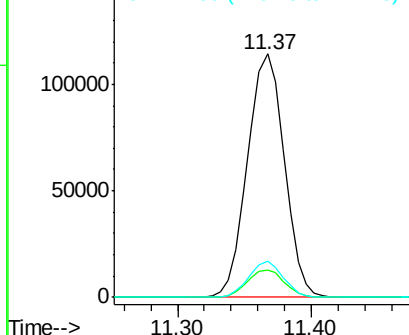
#31
Naphthalene
Concen: 74.97 ng
RT: 11.37 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 218145
Ion Ratio Lower Upper
128 100
129 11.0 9.3 13.9
127 15.0 11.4 17.0

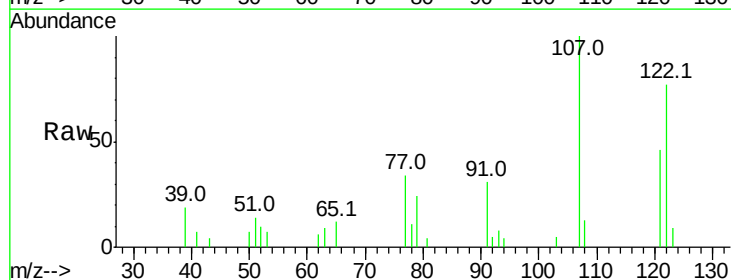


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

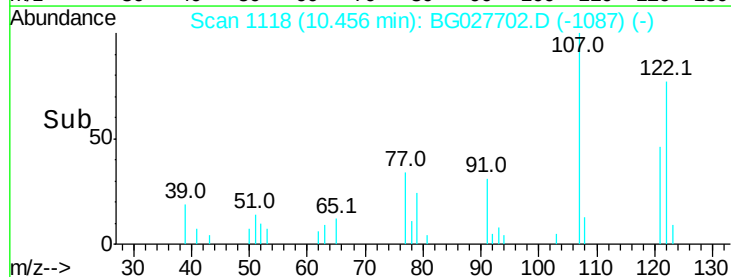
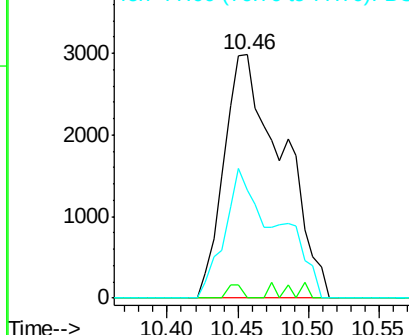


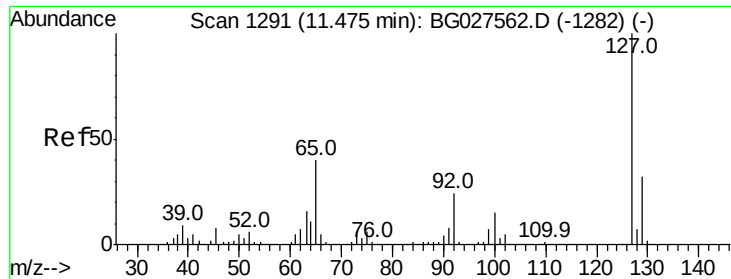
#32
Benzoic acid
Concen: 19.41 ng
RT: 10.46 min Scan# 1118
Delta R.T. -0.12 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

Tgt Ion:122 Resp: 8565
Ion Ratio Lower Upper
122 100
105 0.0 120.1 160.1#
77 44.5 104.6 144.6#



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

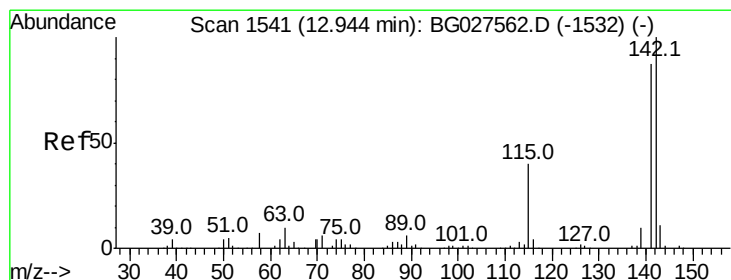
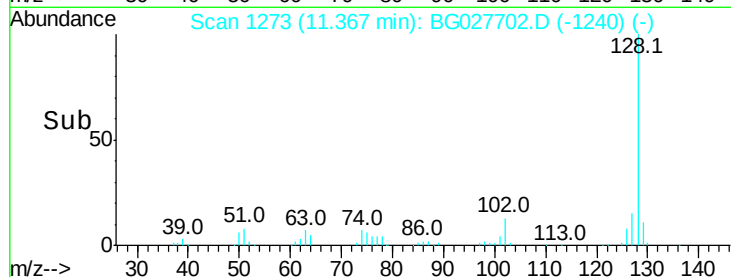
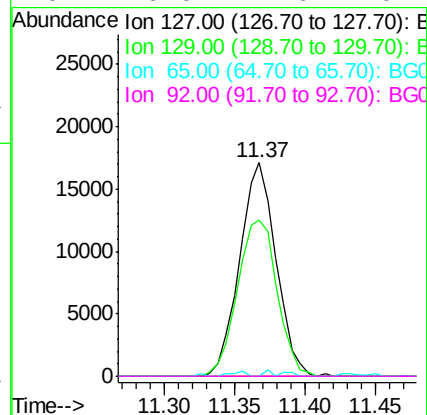
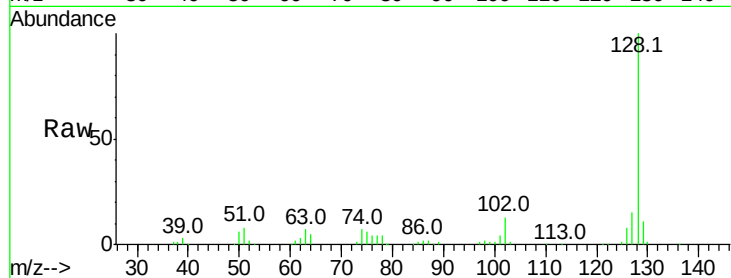




#33
4-Chloroaniline
Concen: 24.96 ng
RT: 11.37 min Scan# 1273
Delta R.T. -0.11 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

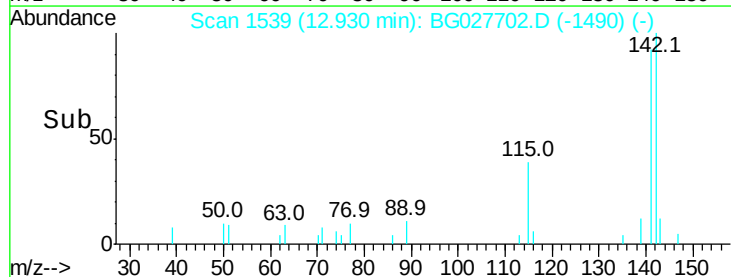
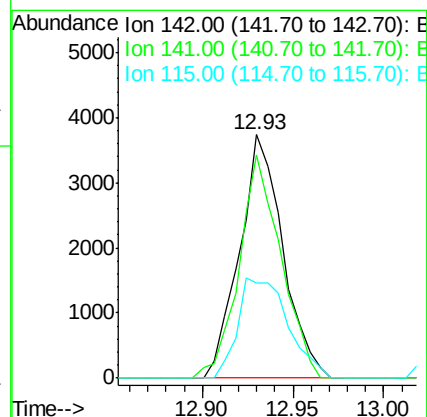
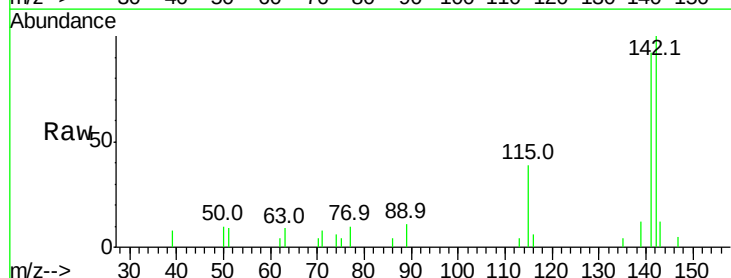
Instrument :
BNA_G
ClientSampleId :

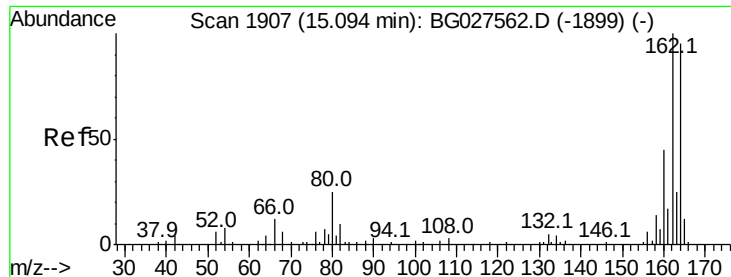
Tot Ion:	127	Resp:	30798
Ion	Ratio	Lower	Upper
127	100		
129	73.3	23.6	35.4#
65	0.0	37.7	56.5#
92	0.0	17.6	26.4#



#37
2-Methylnaphthalene
Concen: 2.93 ng
RT: 12.93 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

Tgt Ion:	142	Resp:	6201
Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.4	105.6
115	39.2	35.5	53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.08 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BG027702.D

Acq: 27 Jun 2017 19:16

Instrument :

BNA_G

ClientSampleId :

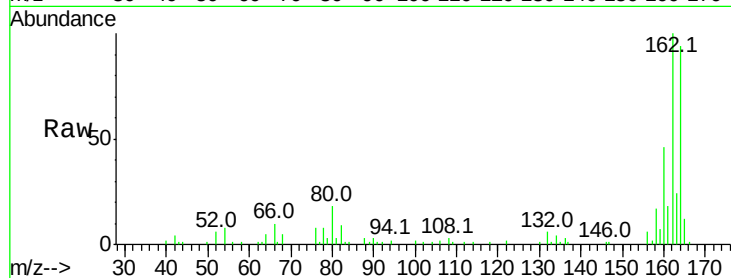
Tot Ion:164 Resp: 39478

Ion Ratio Lower Upper

164 100

162 106.1 85.1 127.7

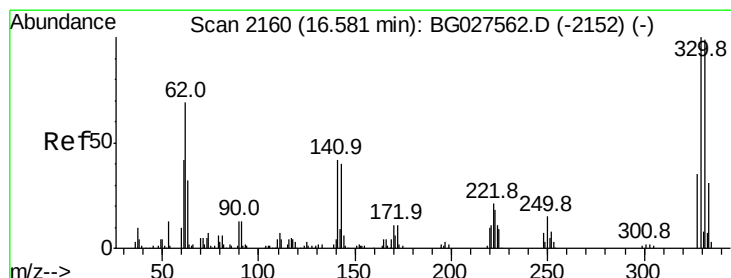
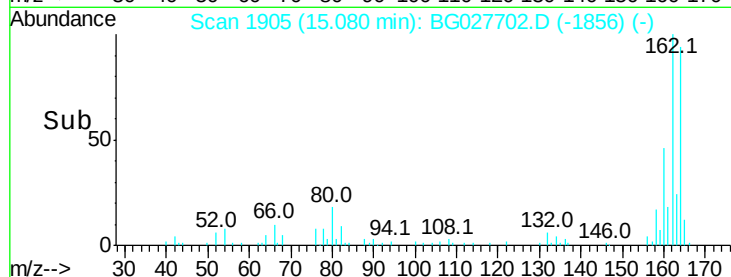
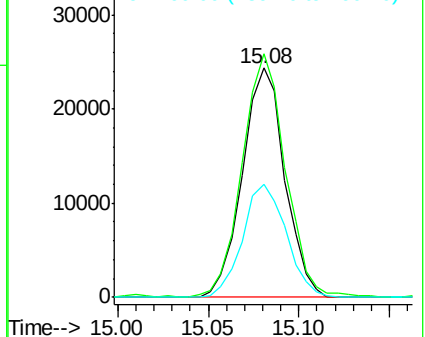
160 49.2 34.7 52.1



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: 3.33 ng

RT: 16.57 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BG027702.D

Acq: 27 Jun 2017 19:16

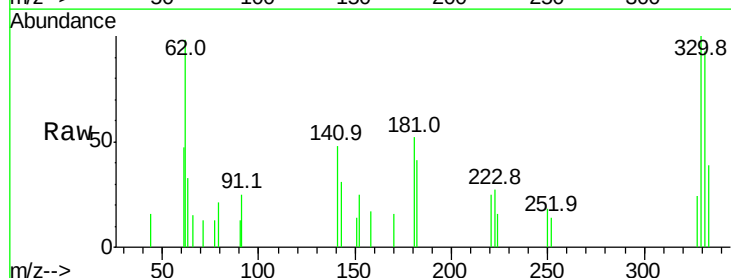
Tgt Ion:330 Resp: 1957

Ion Ratio Lower Upper

330 100

332 87.7 77.3 115.9

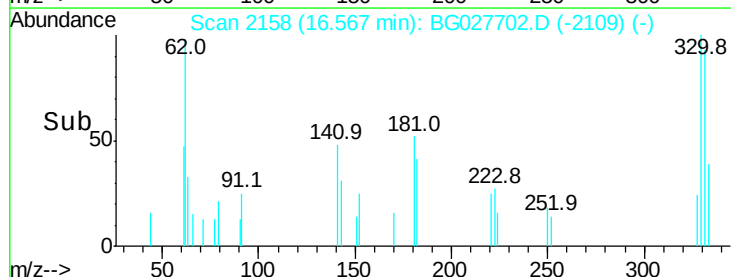
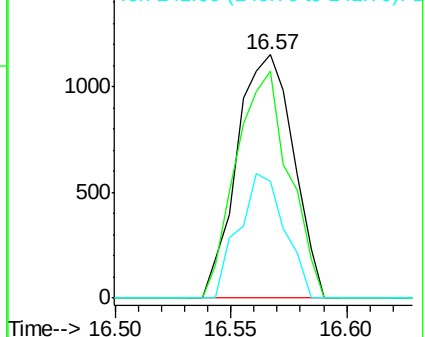
141 41.6 32.1 48.1

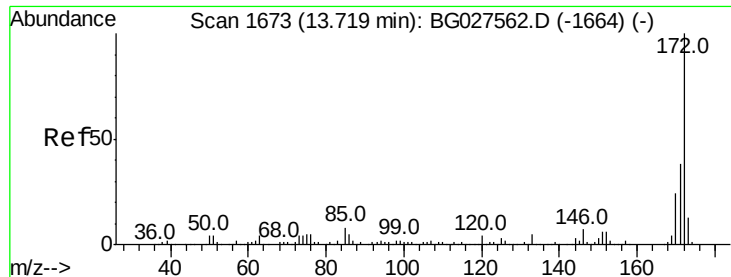


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

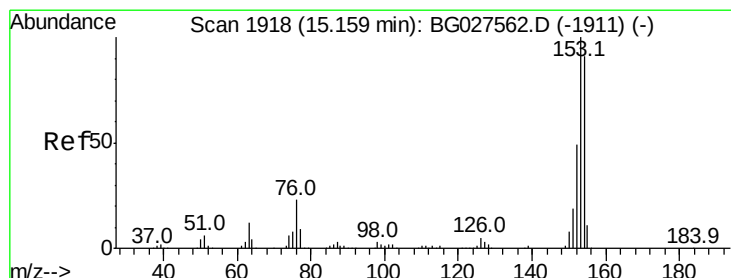
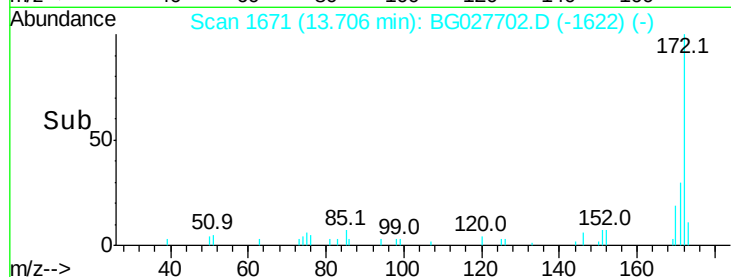
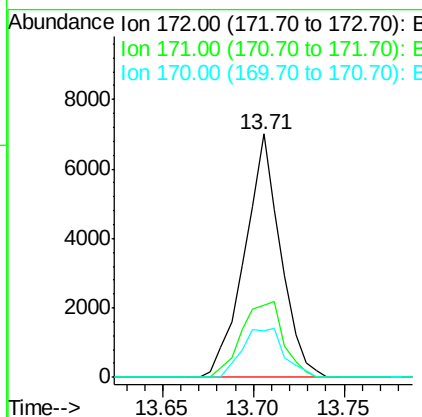
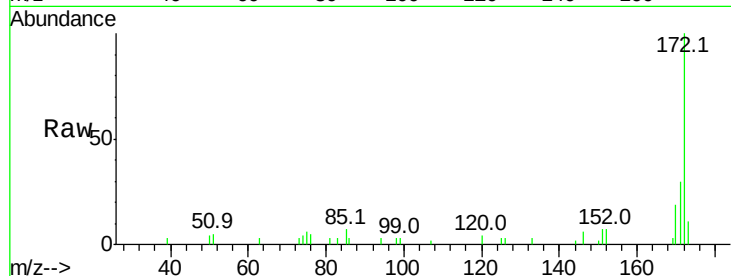




#44
 2-Fluorobiphenyl
 Concen: 3.34 ng
 RT: 13.71 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BG027702.D
 Acq: 27 Jun 2017 19:16

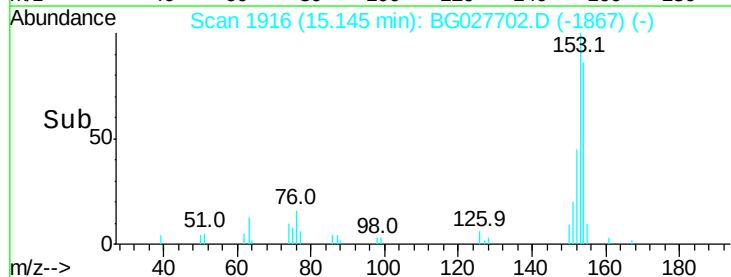
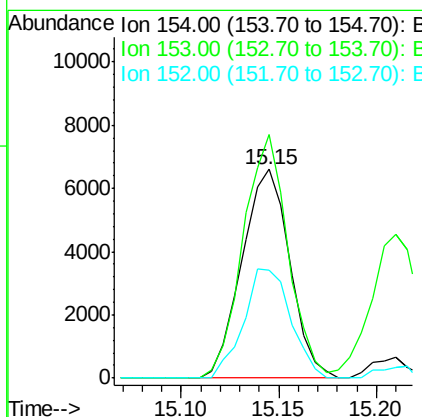
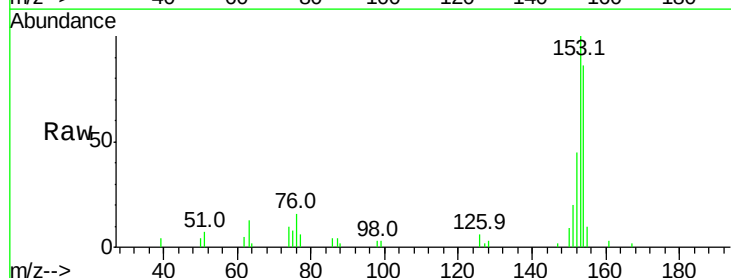
Instrument :
 BNA_G
 ClientSampleId :

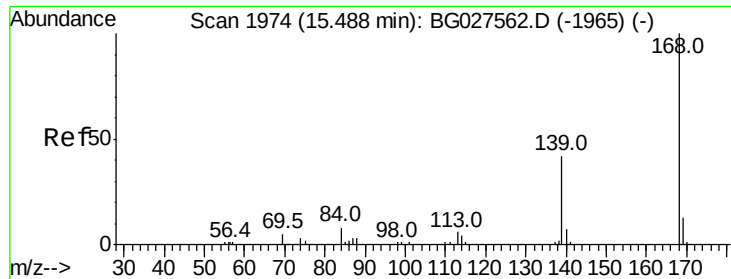
Tot Ion:172 Resp: 9644
 Ion Ratio Lower Upper
 172 100
 171 29.7 32.2 48.2#
 170 18.9 21.8 32.6#



#51
 Acenaphthene
 Concen: 3.74 ng
 RT: 15.15 min Scan# 1916
 Delta R.T. -0.01 min
 Lab File: BG027702.D
 Acq: 27 Jun 2017 19:16

Tgt Ion:154 Resp: 11181
 Ion Ratio Lower Upper
 154 100
 153 116.8 87.8 131.6
 152 52.1 42.2 63.4

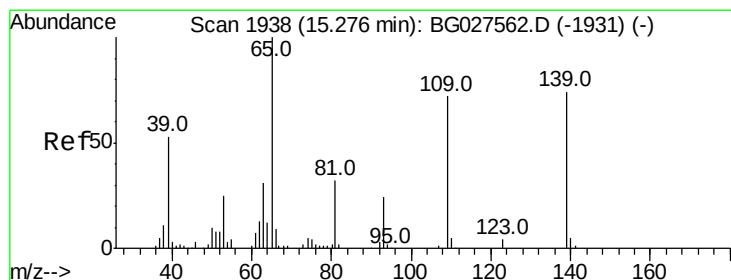
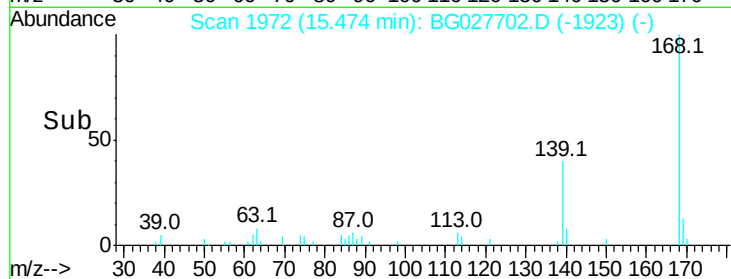
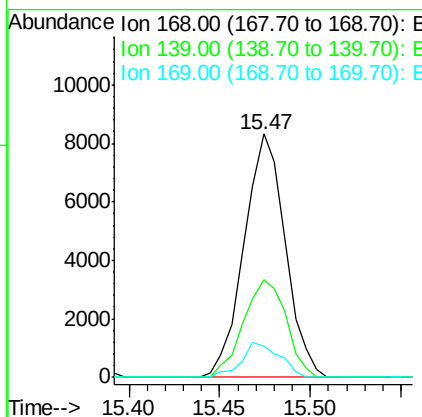
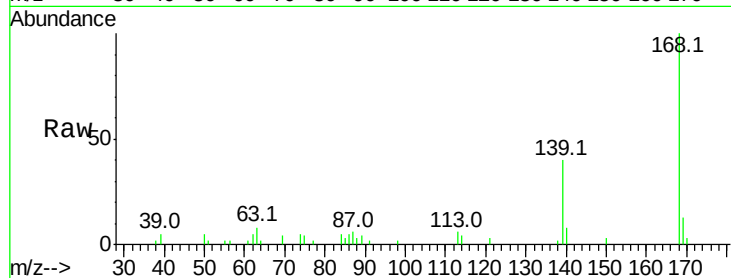




#54
Dibenzenofuran
Concen: 3.37 ng
RT: 15.47 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

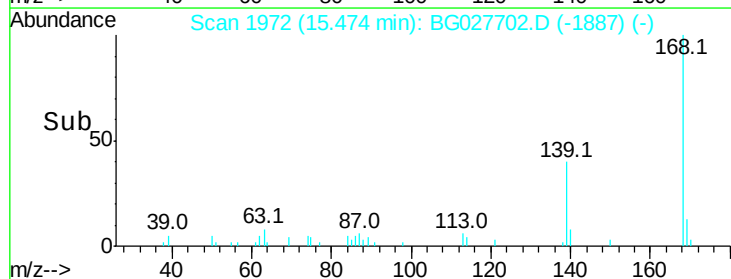
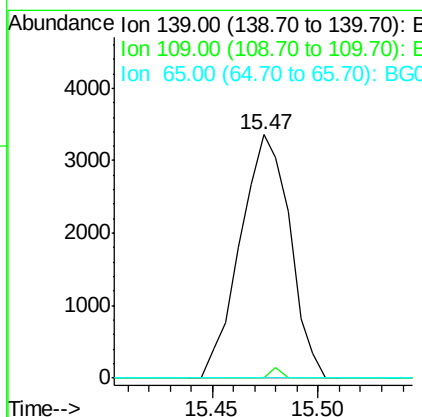
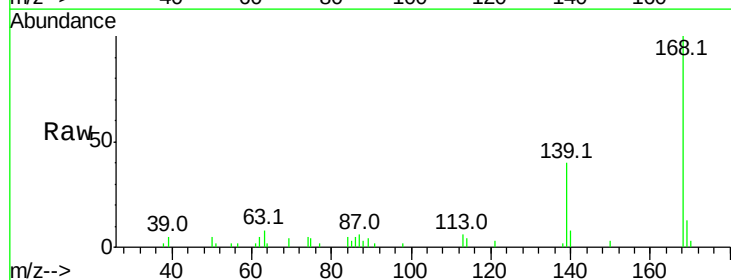
Instrument :
BNA_G
ClientSampled :

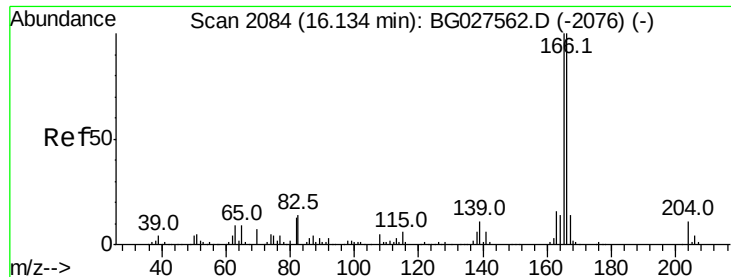
Tot Ion:168 Resp: 13129
Ion Ratio Lower Upper
168 100
139 40.4 35.3 52.9
169 12.6 11.5 17.3



#55
4-Nitrophenol
Concen: 8.24 ng
RT: 15.47 min Scan# 1972
Delta R.T. 0.20 min
Lab File: BG027702.D
Acq: 27 Jun 2017 19:16

Tgt Ion:139 Resp: 5461
Ion Ratio Lower Upper
139 100
109 0.0 101.2 141.2#
65 0.0 135.3 175.3#

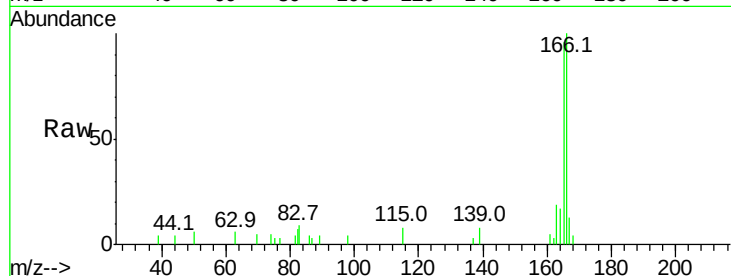




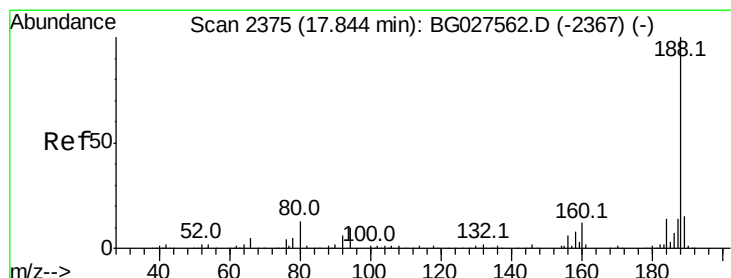
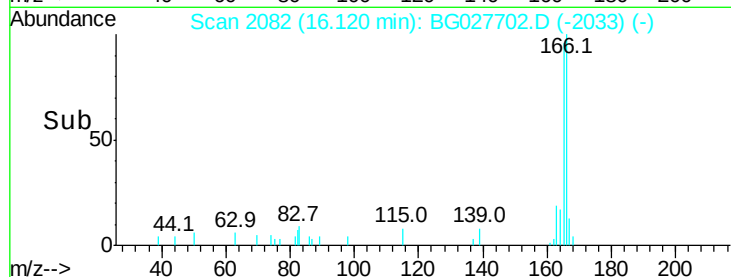
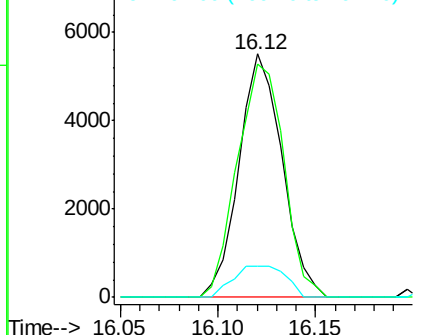
#57
Fluorene
 Concen: 2.29 ng
 RT: 16.12 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: BG027702.D
 Acq: 27 Jun 2017 19:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:166 Resp: 8446
 Ion Ratio Lower Upper
 166 100
 165 96.0 78.6 117.8
 167 12.7 11.6 17.4

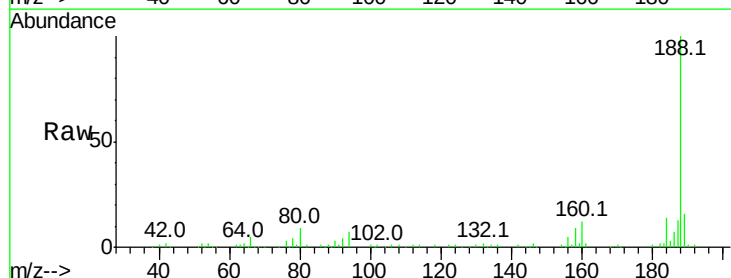


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

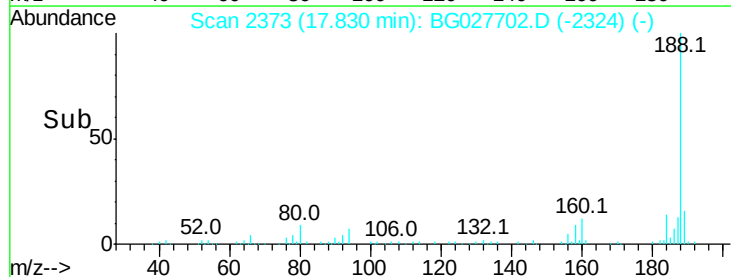
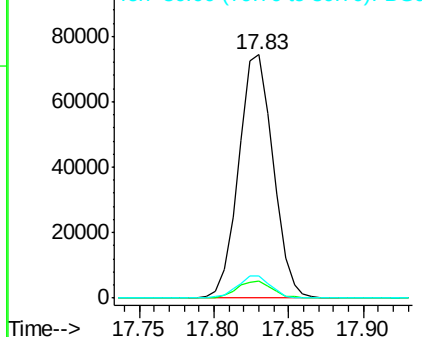


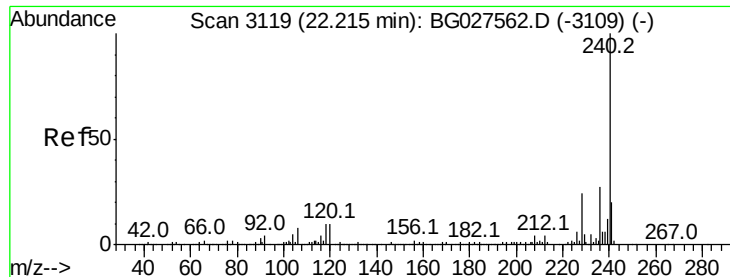
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.83 min Scan# 2373
 Delta R.T. -0.01 min
 Lab File: BG027702.D
 Acq: 27 Jun 2017 19:16

Tgt Ion:188 Resp: 118885
 Ion Ratio Lower Upper
 188 100
 94 6.9 5.8 8.8
 80 9.1 7.5 11.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.19 min Scan# 3115

Delta R.T. -0.03 min

Lab File: BG027702.D

Acq: 27 Jun 2017 19:16

Instrument :

BNA_G

ClientSampleId :

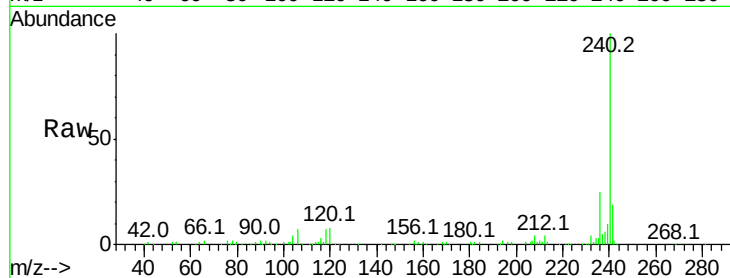
Tot Ion:240 Resp: 136446

Ion Ratio Lower Upper

240 100

120 7.7 5.7 8.5

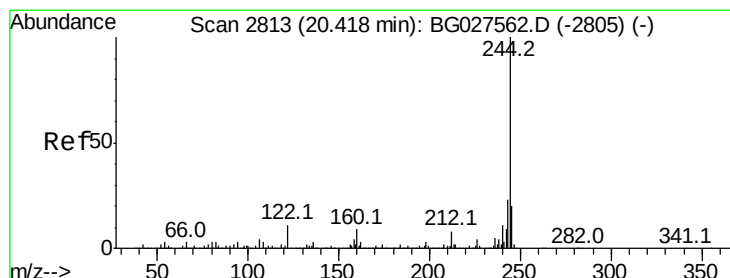
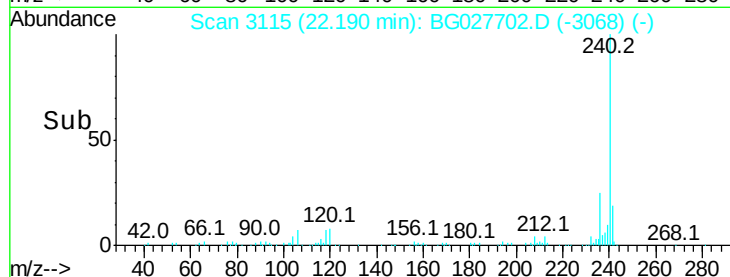
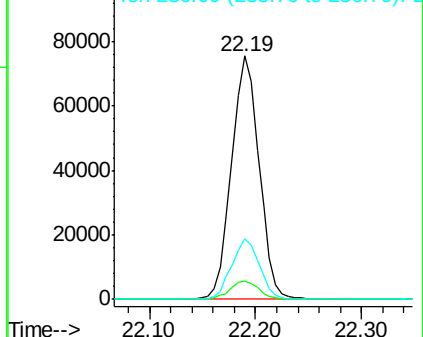
236 24.8 22.2 33.4



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: 2.88 ng

RT: 20.40 min Scan# 2811

Delta R.T. -0.01 min

Lab File: BG027702.D

Acq: 27 Jun 2017 19:16

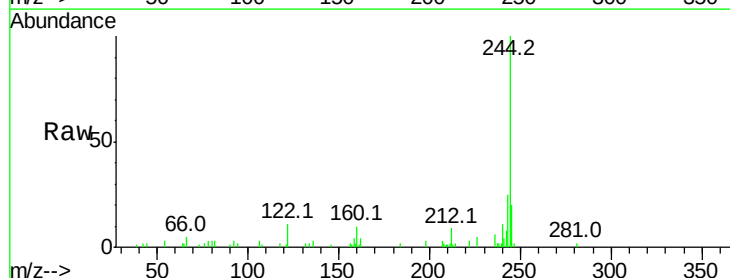
Tgt Ion:244 Resp: 16703

Ion Ratio Lower Upper

244 100

212 9.3 10.0 15.0#

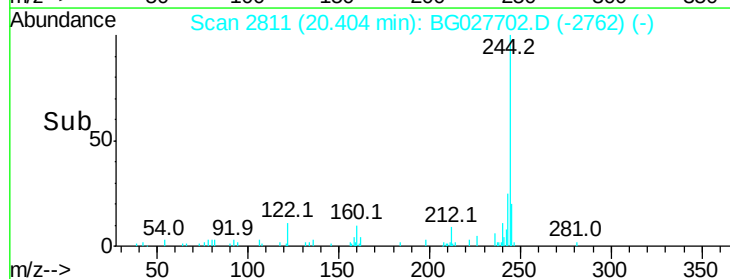
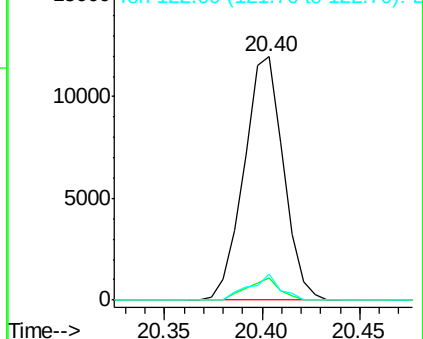
122 10.7 8.6 12.8

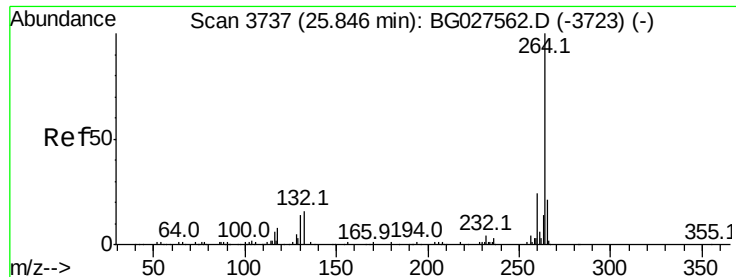


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

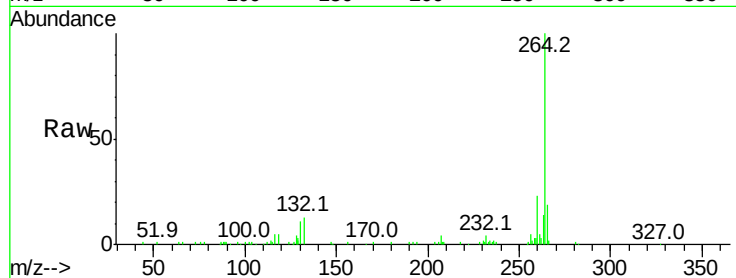




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.81 min Scan# 3732
 Delta R.T. -0.03 min
 Lab File: BG027702.D
 Acq: 27 Jun 2017 19:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	21.8	32.8
265	19.0	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

