

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032167.D
 Acq On : 20 Jan 2018 00:45
 Operator : SJ/JU
 Sample : J1185-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 20 05:47:52 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

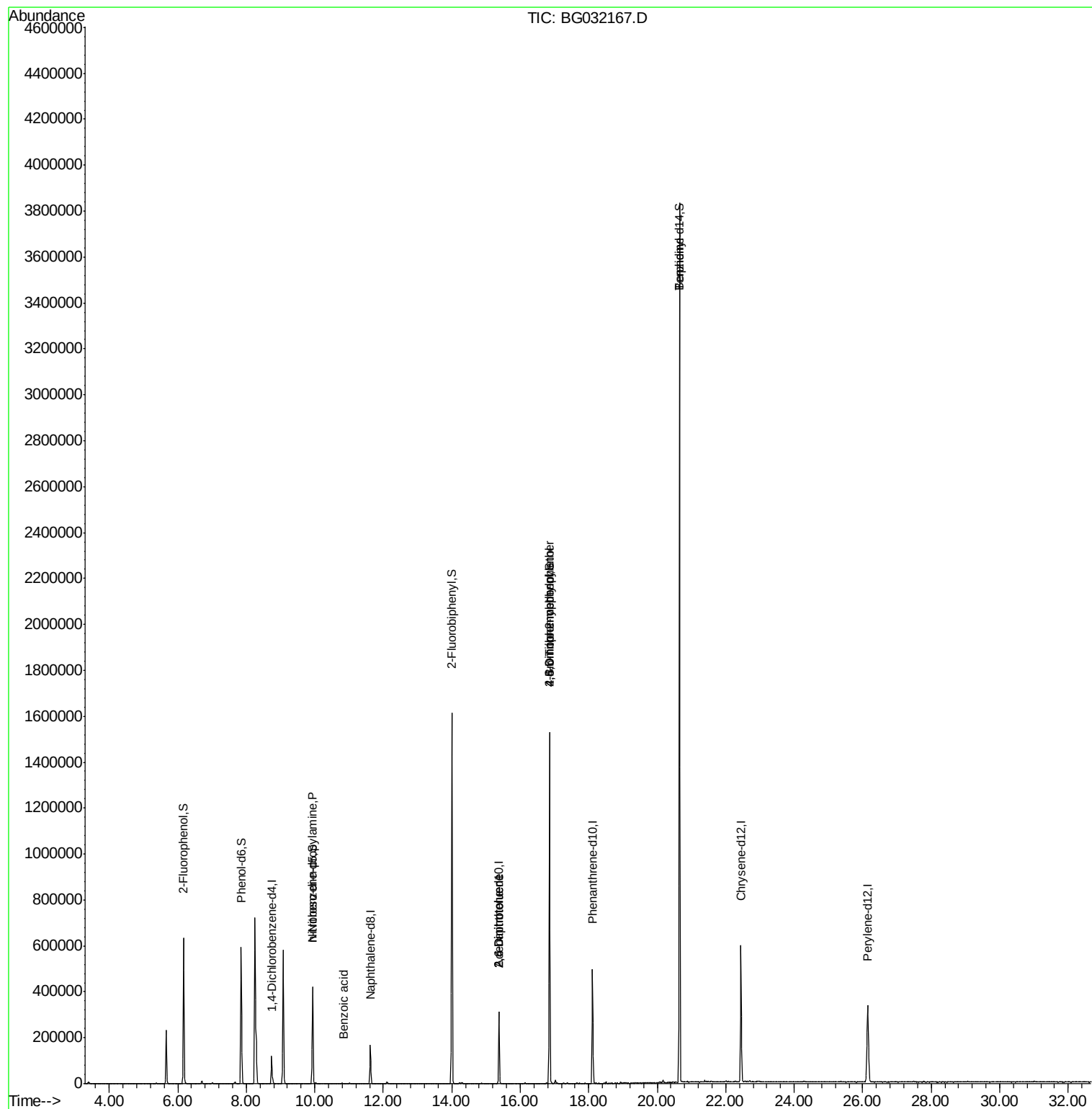
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	39408	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	166511	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	120238	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	337265	20.00	ng	0.00
75) Chrysene-d12	22.44	240	446699	20.00	ng	0.00
86) Perylene-d12	26.15	264	457351	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	324383	150.55	ng	0.00
7) Phenol-d6	7.85	99	380926	140.37	ng	0.00
23) Nitrobenzene-d5	9.94	82	269251	109.40	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	340518	171.14	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	941008	97.04	ng	0.00
78) Terphenyl-d14	20.65	244	2020086	99.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.94	70	37941	22.534	ng	# 76
32) Benzoic acid	10.84	122	58	5.284	ng	# 1
50) 2,6-Dinitrotoluene	15.38	165	15151	6.937	ng	# 21
56) 2,4-Dinitrotoluene	15.38	165	15151	5.153	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.85	198	849	5.238	ng	# 52
66) 4-Bromophenyl-phenylether	16.85	248	28187	5.874	ng	# 1
76) Benzidine	20.65	184	29025	2.598	ng	# 94

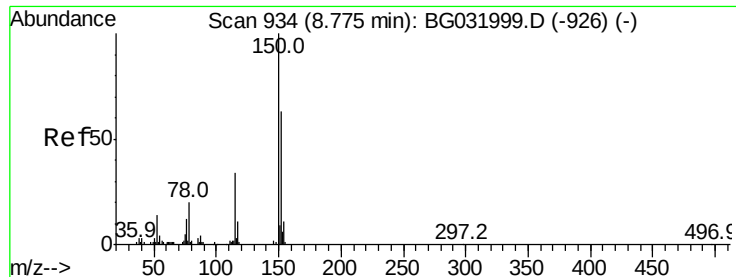
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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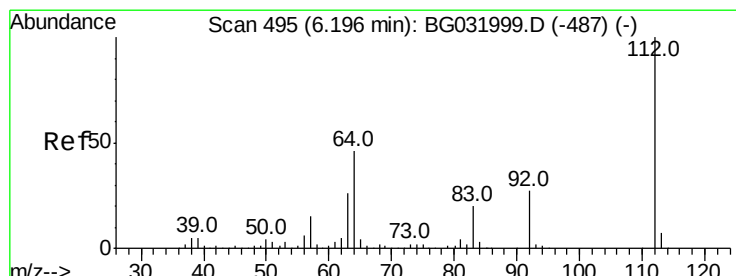
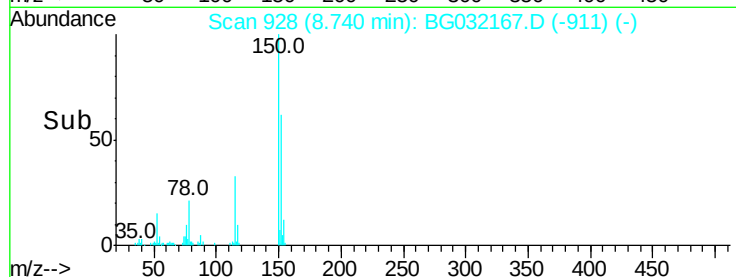
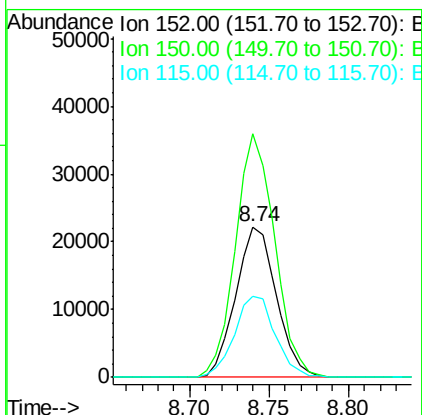
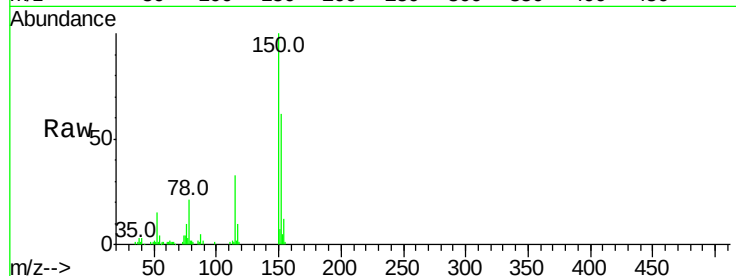


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032167.D
Acq: 20 Jan 2018 00:45

Instrument :
BNA_G
ClientSampleId :

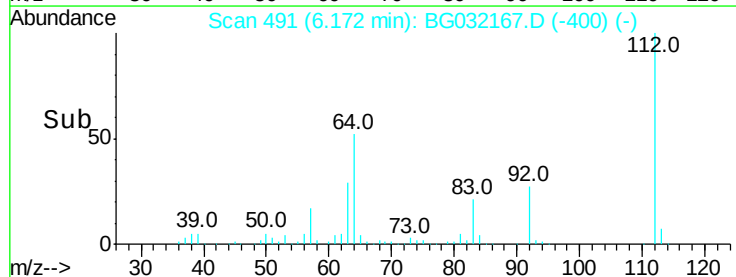
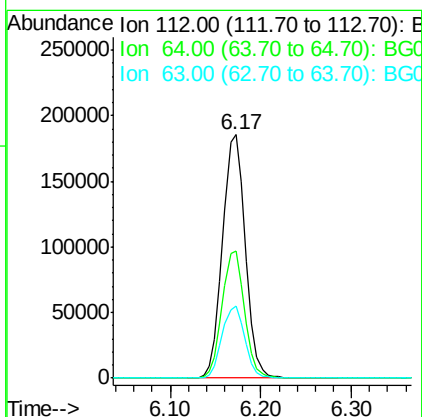
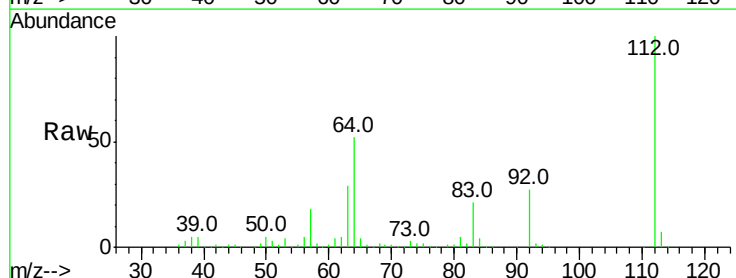
Tot Ion:152 Resp: 39408
Ion Ratio Lower Upper
152 100
150 162.0 126.6 189.8
115 53.8 53.0 79.4

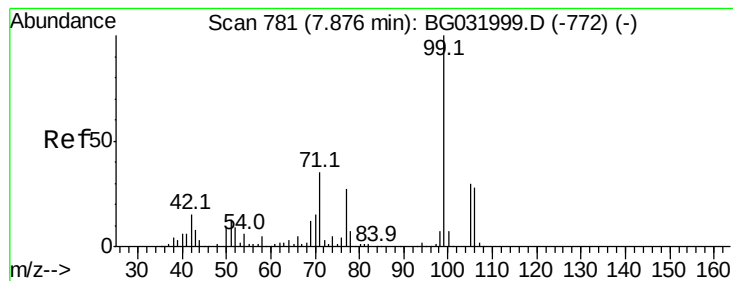


#5

2-Fluorophenol
Concen: 150.547 ng
RT: 6.17 min Scan# 491
Delta R.T. 0.00 min
Lab File: BG032167.D
Acq: 20 Jan 2018 00:45

Tgt Ion:112 Resp: 324383
Ion Ratio Lower Upper
112 100
64 52.3 56.3 84.5#
63 29.4 30.1 45.1#





#7

Phenol-d6

Concen: 140.371 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032167.D

Acq: 20 Jan 2018 00:45

Instrument :

BNA_G

ClientSampled :

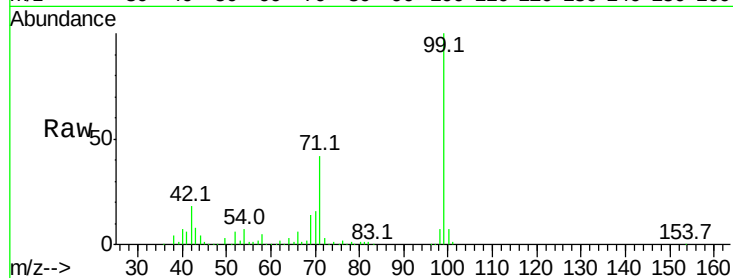
Tot Ion: 99 Resp: 380926

Ion Ratio Lower Upper

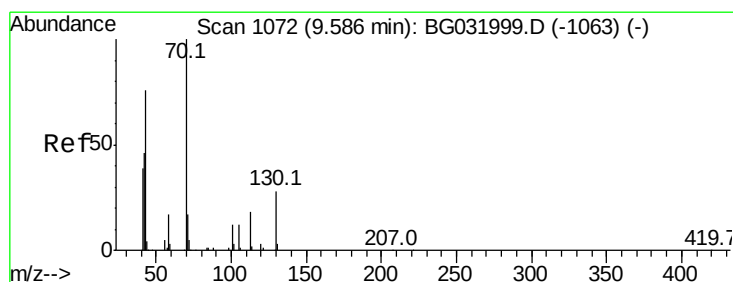
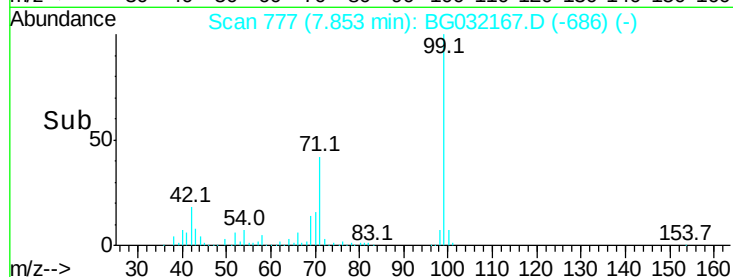
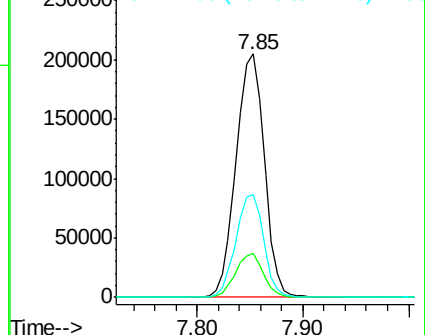
99 100

42 18.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 22.534 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032167.D

Acq: 20 Jan 2018 00:45

Tgt Ion: 70 Resp: 37941

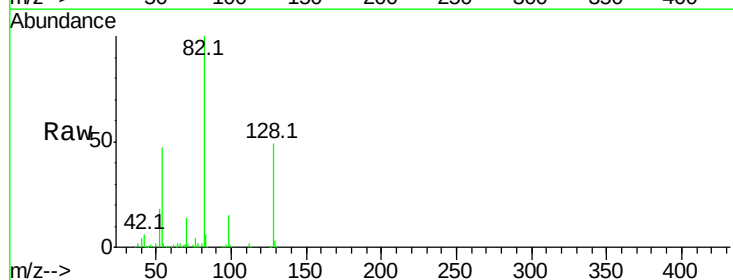
Ion Ratio Lower Upper

70 100

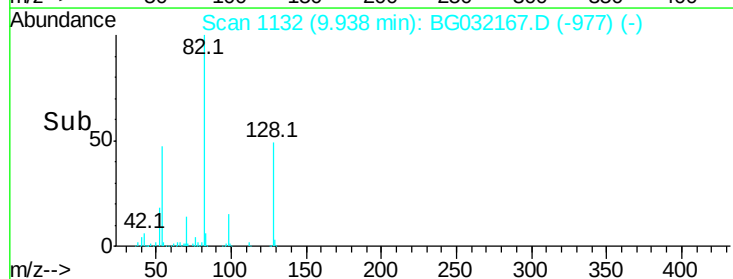
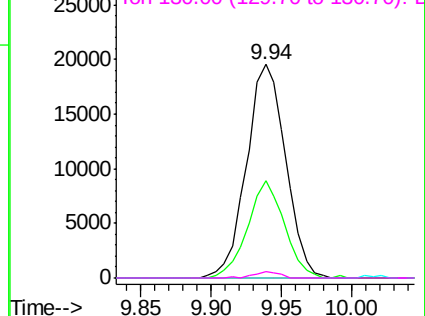
42 45.4 49.1 73.7#

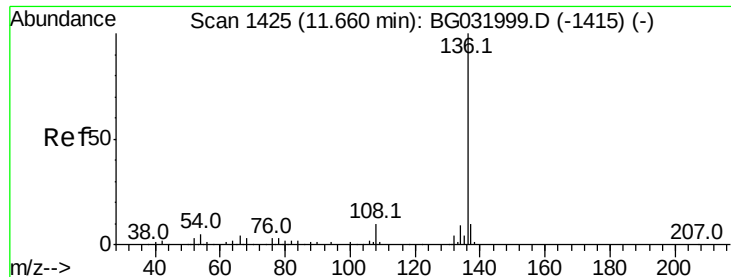
101 0.0 8.5 12.7#

130 3.0 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

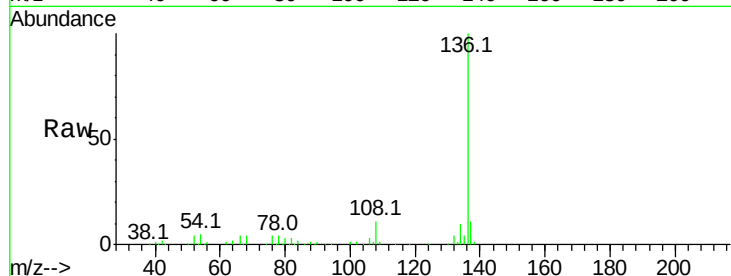




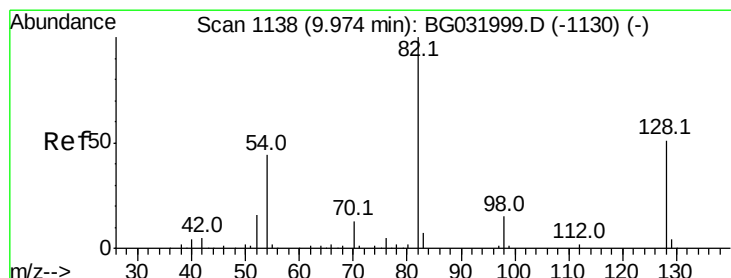
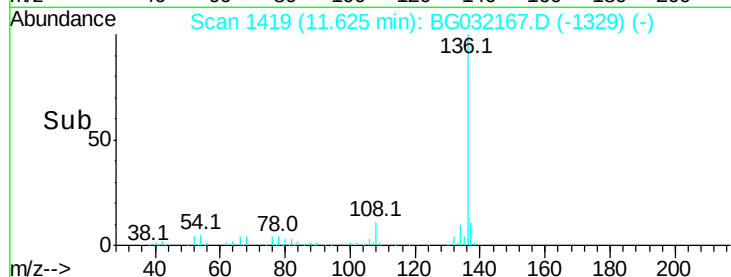
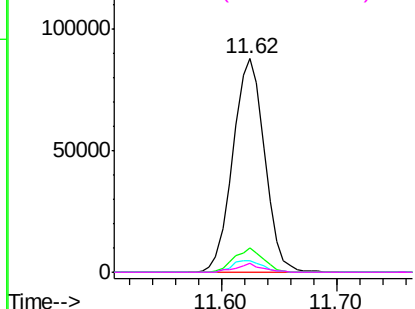
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032167.D
Acq: 20 Jan 2018 00:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 166511
Ion Ratio	Lower Upper
136 100	
137 11.2	9.2 13.8
54 5.4	10.3 15.5#
68 4.0	4.5 6.7#

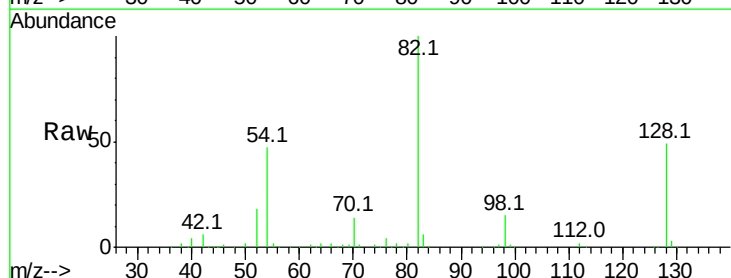


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

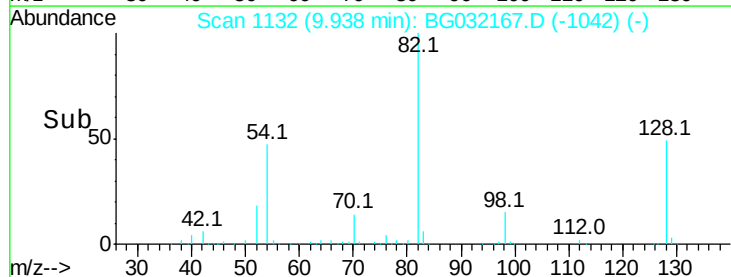
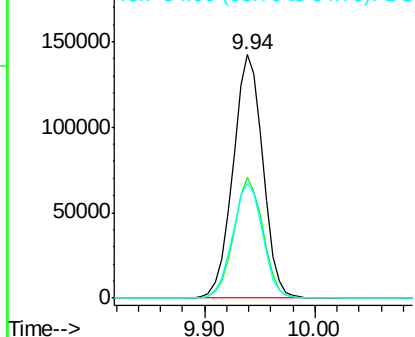


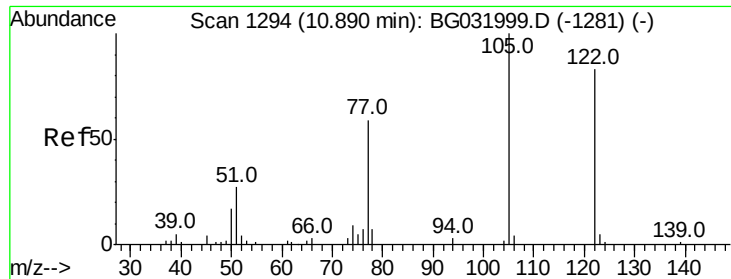
#23
Nitrobenzene-d5
Concen: 109.398 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032167.D
Acq: 20 Jan 2018 00:45

Tgt Ion: 82	Resp: 269251
Ion Ratio	Lower Upper
82 100	
128 49.4	29.7 44.5#
54 47.1	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.284 ng

RT: 10.84 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BG032167.D

Acq: 20 Jan 2018 00:45

Instrument :

BNA_G

ClientSampled :

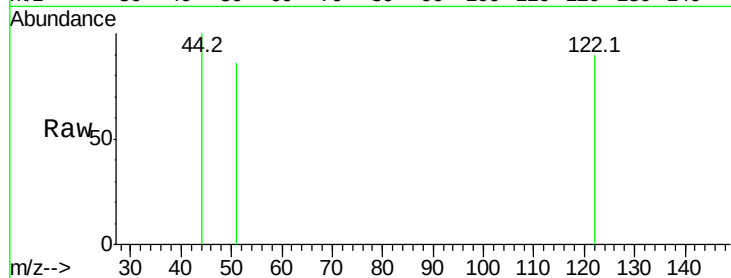
Tot Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#

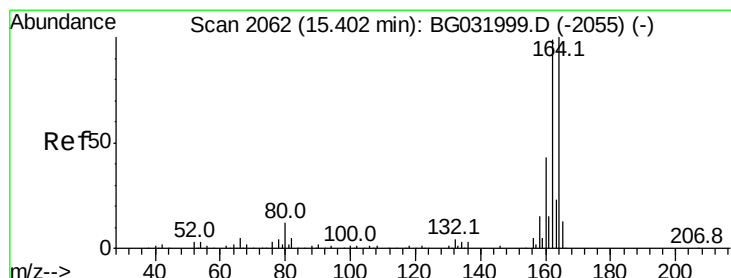
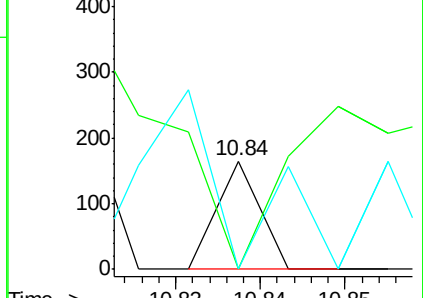
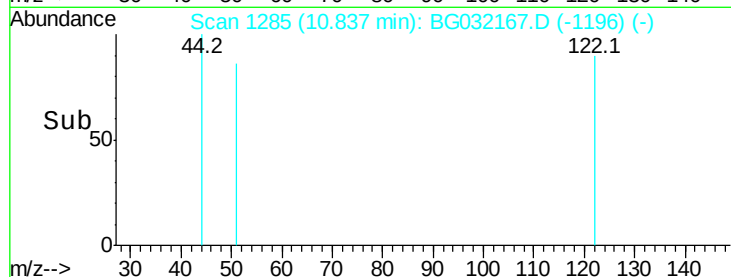


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BG032167.D

Acq: 20 Jan 2018 00:45

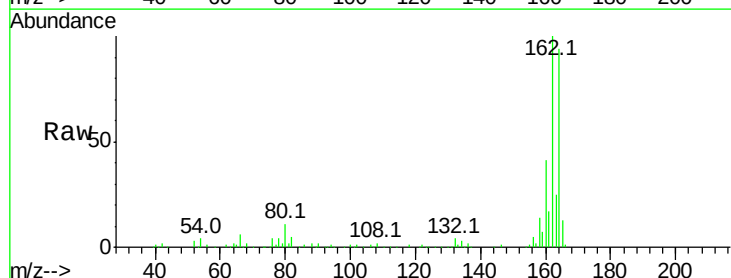
Tgt Ion:164 Resp: 120238

Ion Ratio Lower Upper

164 100

162 106.0 78.8 118.2

160 43.1 35.4 53.0

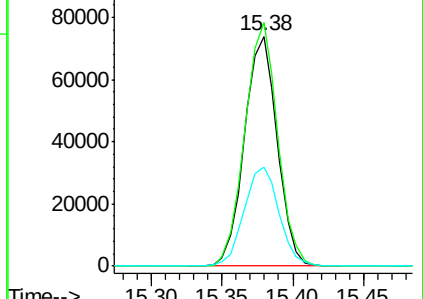
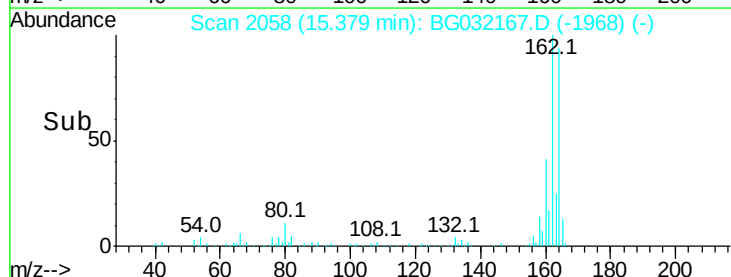


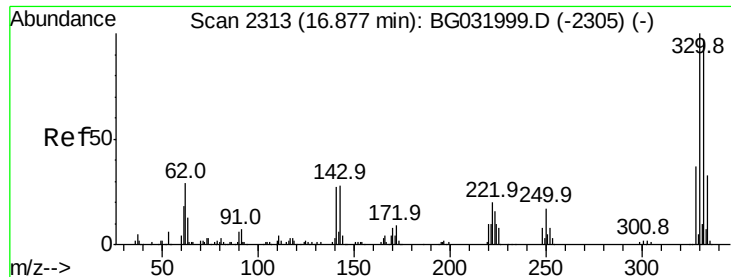
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->

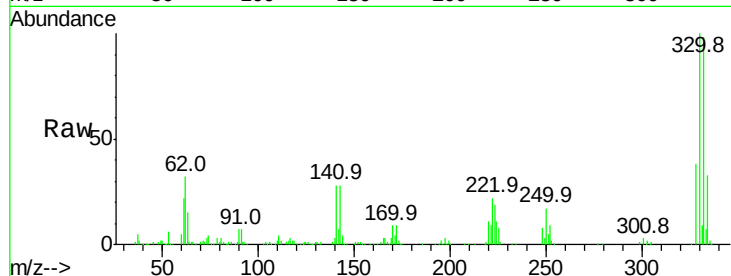




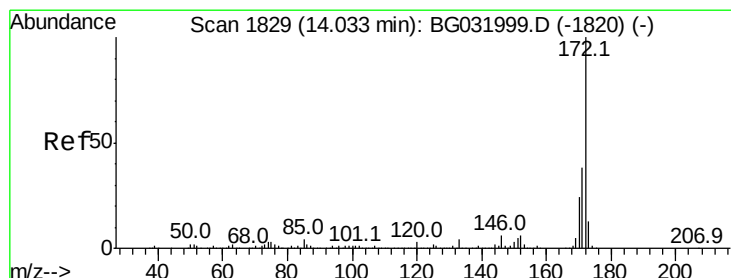
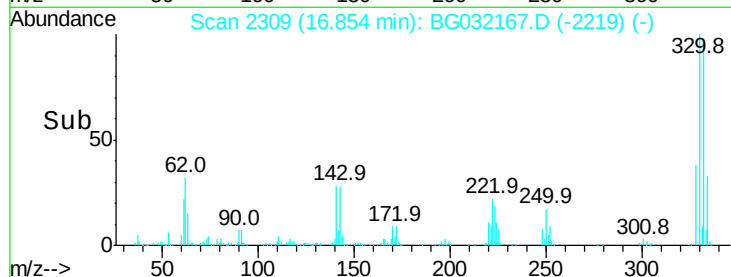
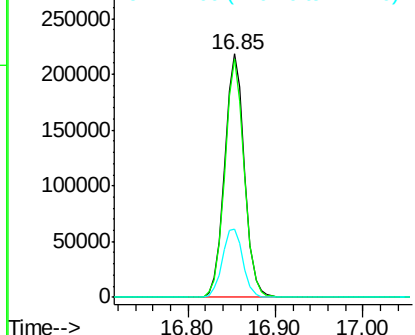
#41
 2,4,6-Tribromophenol
 Concen: 171.144 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032167.D
 Acq: 20 Jan 2018 00:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	29.2	25.2	37.8

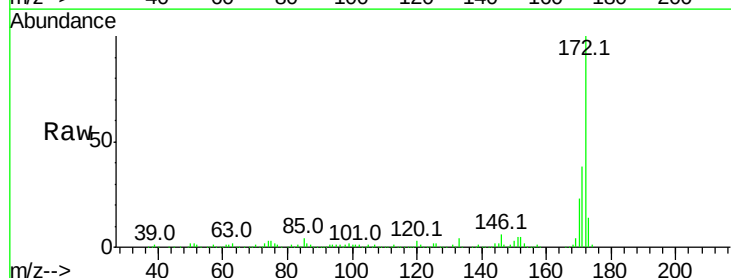


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

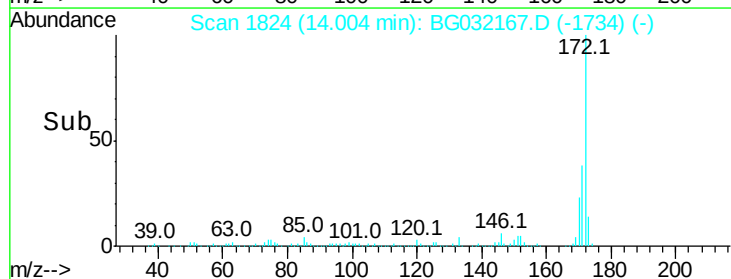
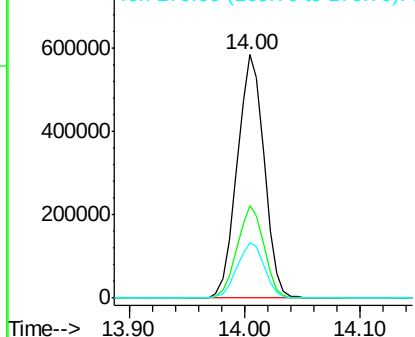


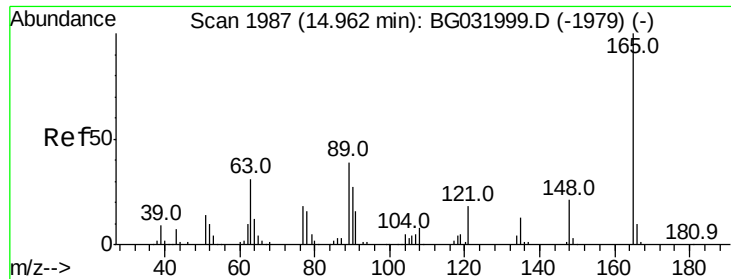
#44
 2-Fluorobiphenyl
 Concen: 97.041 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032167.D
 Acq: 20 Jan 2018 00:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	23.0	19.5	29.3



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





#50

2,6-Dinitrotoluene

Concen: 6.937 ng

RT: 15.38 min Scan# 2058

Delta R.T. 0.44 min

Lab File: BG032167.D

Acq: 20 Jan 2018 00:45

Instrument :

BNA_G

ClientSampleId :

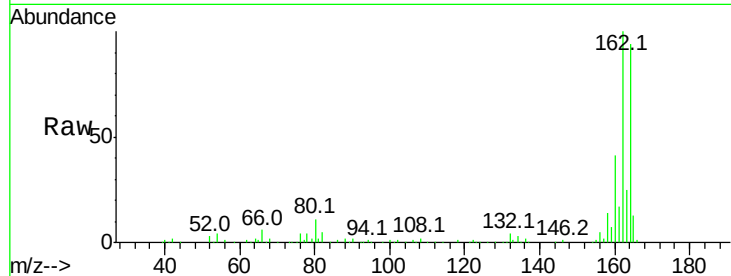
Tot Ion:165 Resp: 15151

Ion Ratio Lower Upper

165 100

63 1.7 52.7 79.1#

89 2.4 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

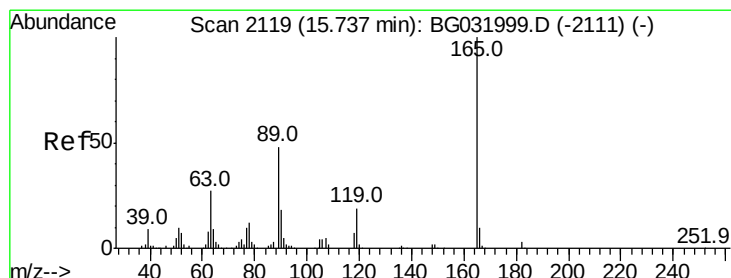
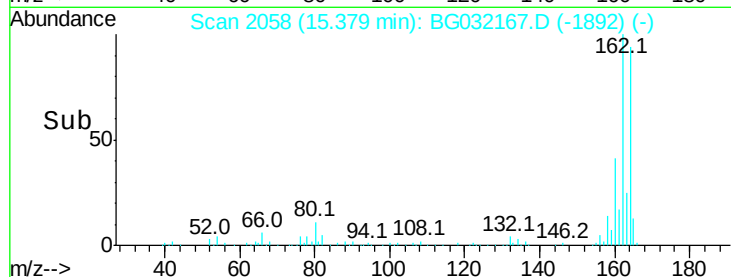
Ion 89.00 (88.70 to 89.70): BGC

15.38

5000

10000

Time--> 15.30 15.35 15.40



#56

2,4-Dinitrotoluene

Concen: 5.153 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.34 min

Lab File: BG032167.D

Acq: 20 Jan 2018 00:45

Tgt Ion:165 Resp: 15151

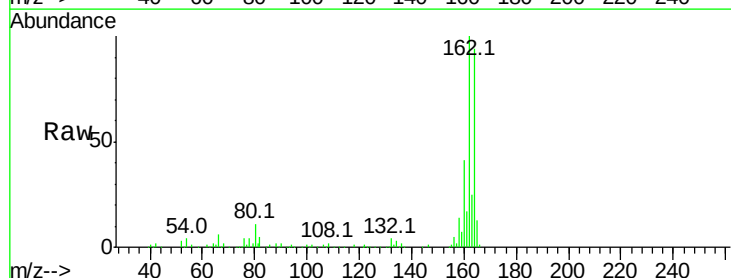
Ion Ratio Lower Upper

165 100

63 1.7 42.0 63.0#

89 2.4 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

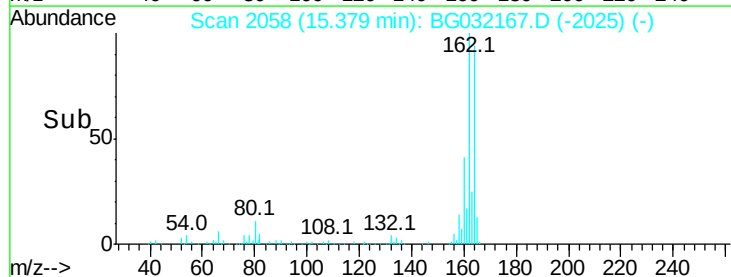
Ion 182.00 (181.70 to 182.70): E

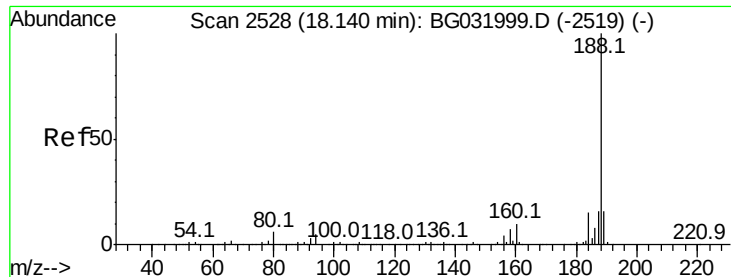
15.38

5000

10000

Time--> 15.30 15.35 15.40

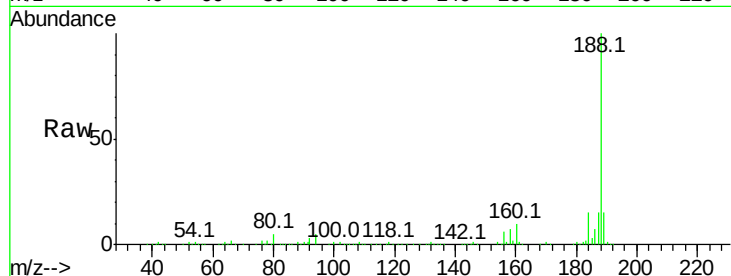




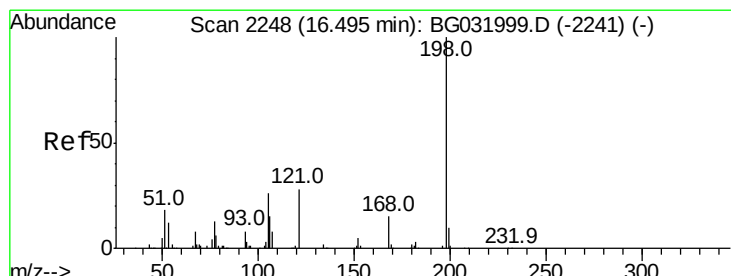
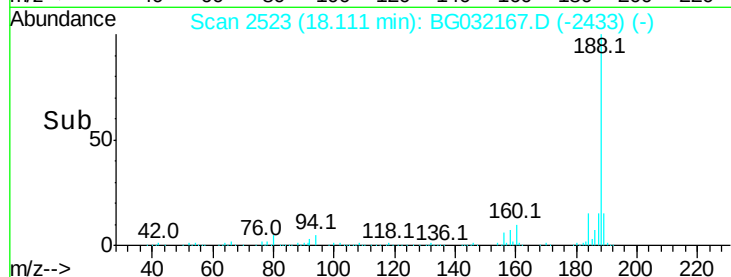
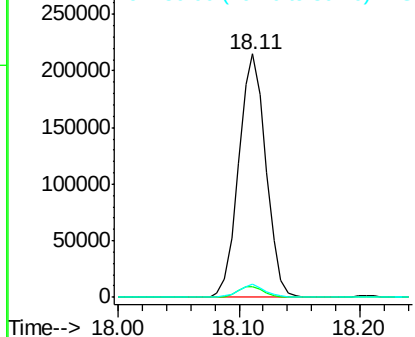
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG032167.D
 Acq: 20 Jan 2018 00:45

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:188 Resp: 337265
 Ion Ratio Lower Upper
 188 100
 94 4.6 6.9 10.3#
 80 5.2 7.7 11.5#

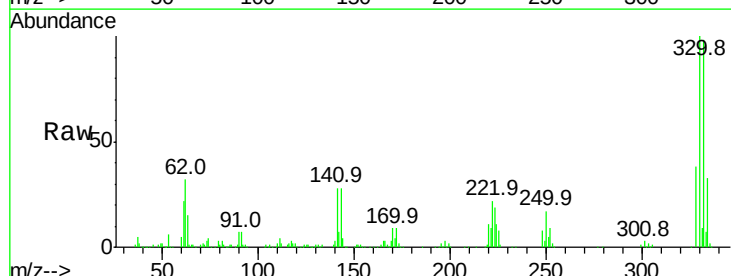


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

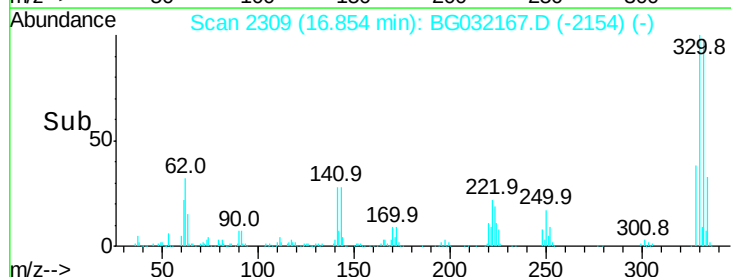
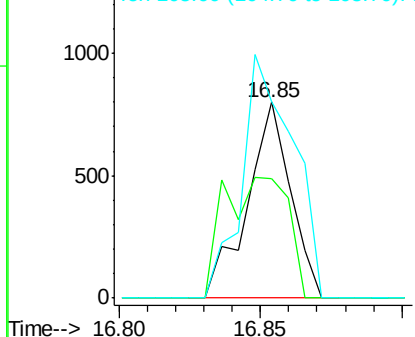


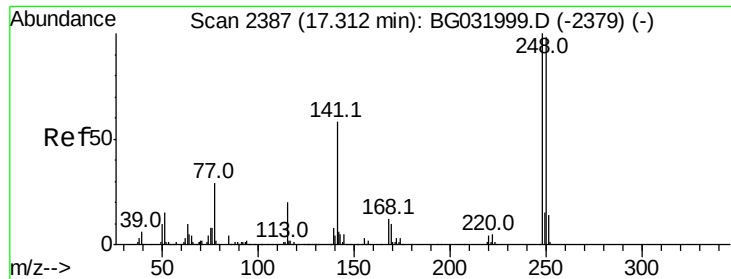
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.238 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. 0.38 min
 Lab File: BG032167.D
 Acq: 20 Jan 2018 00:45

Tgt Ion:198 Resp: 849
 Ion Ratio Lower Upper
 198 100
 51 60.9 30.6 70.6
 105 100.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

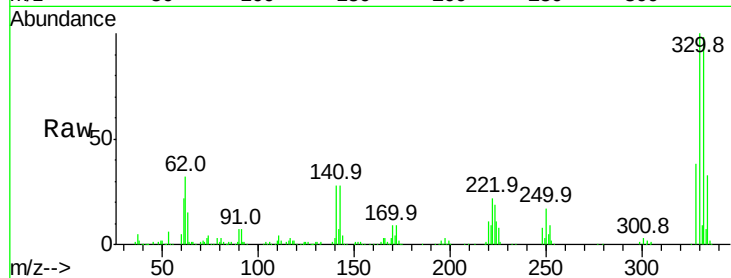




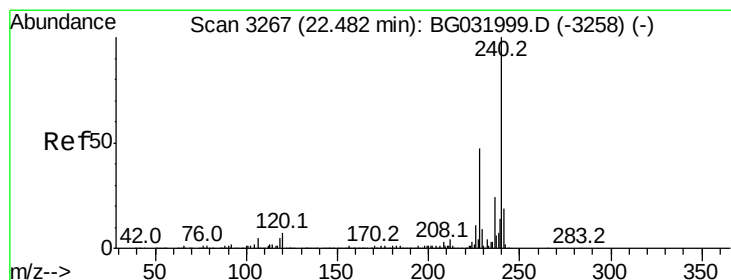
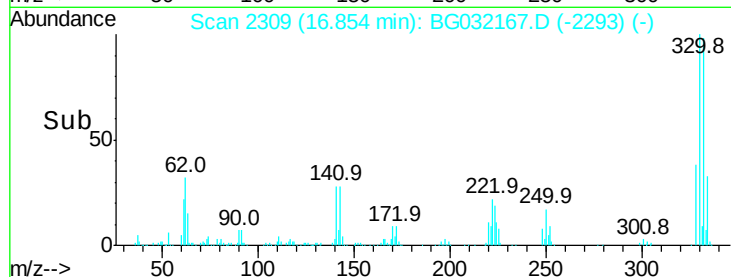
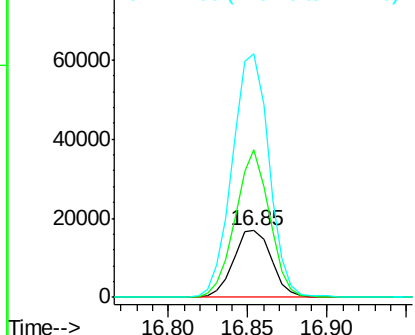
#66
4-Bromophenyl-phenylether
Concen: 5.874 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.44 min
Lab File: BG032167.D
Acq: 20 Jan 2018 00:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 28187
Ion Ratio Lower Upper
248 100
250 221.3 77.1 115.7#
141 365.0 50.8 76.2#

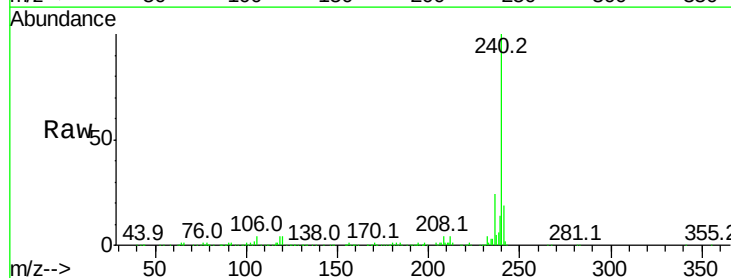


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

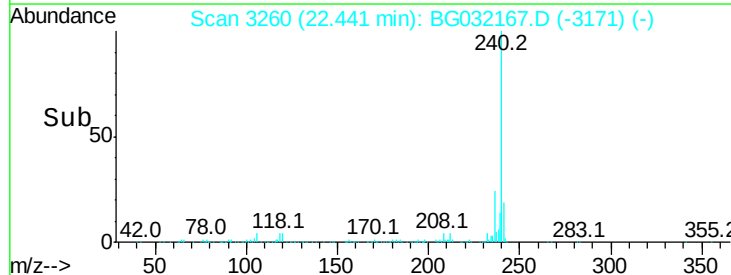
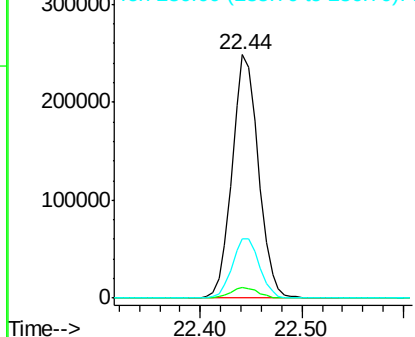


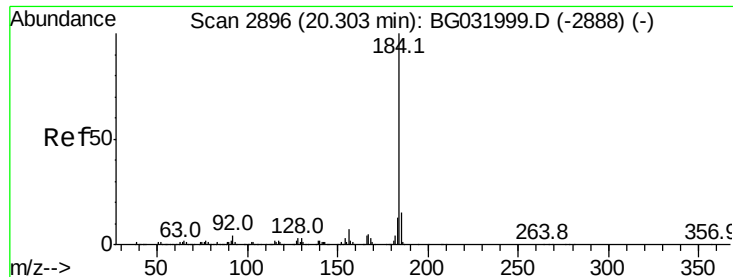
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.44 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BG032167.D
Acq: 20 Jan 2018 00:45

Tgt Ion:240 Resp: 446699
Ion Ratio Lower Upper
240 100
120 4.4 6.8 10.2#
236 24.2 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





#76

Benzidine

Concen: 2.598 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.37 min

Lab File: BG032167.D

Acq: 20 Jan 2018 00:45

Instrument :

BNA_G

ClientSampleId :

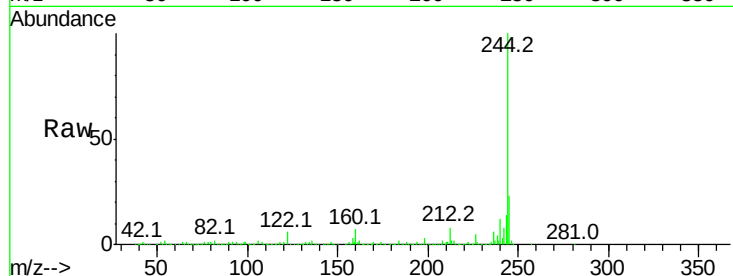
Tot Ion:184 Resp: 29025

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

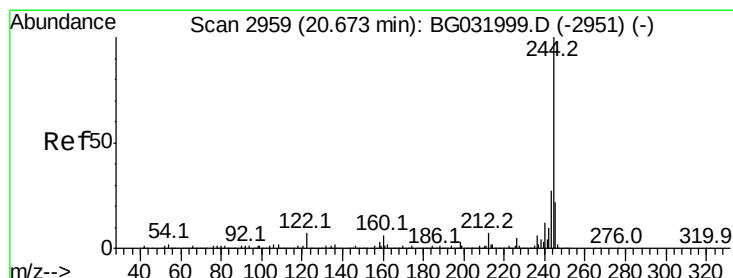
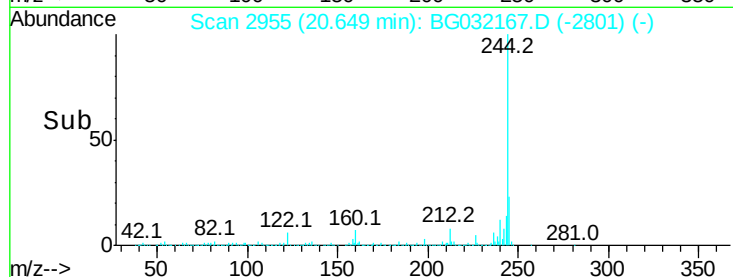
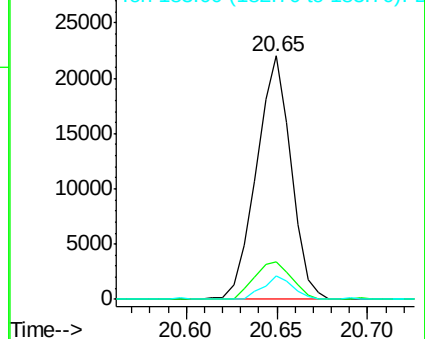
183 9.7 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 99.853 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032167.D

Acq: 20 Jan 2018 00:45

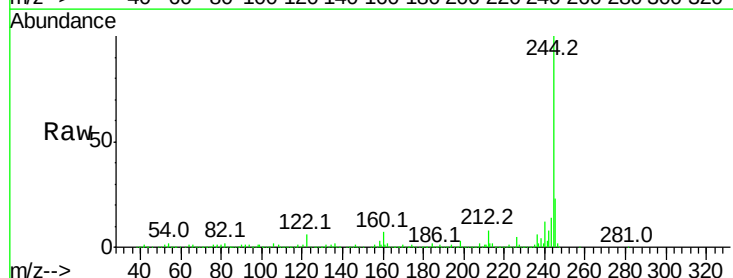
Tgt Ion:244 Resp: 2020086

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

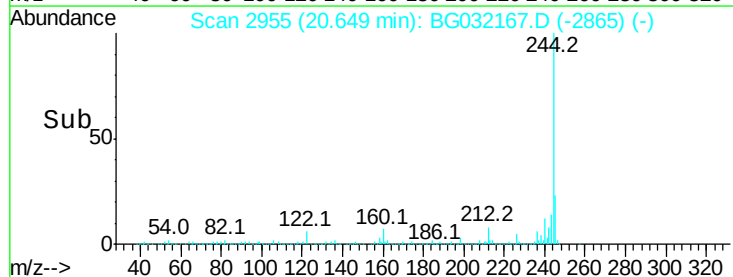
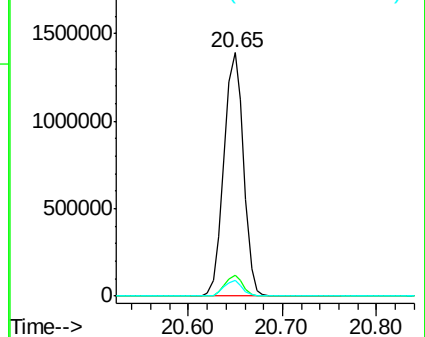
122 6.4 7.0 10.4#

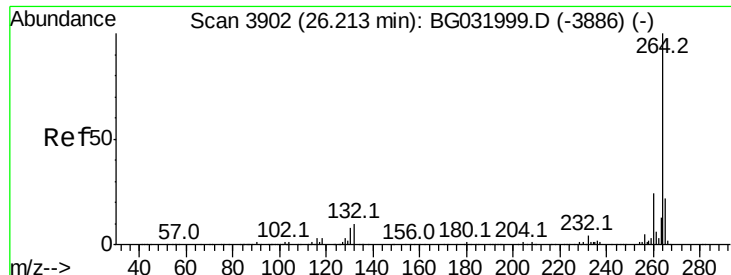


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

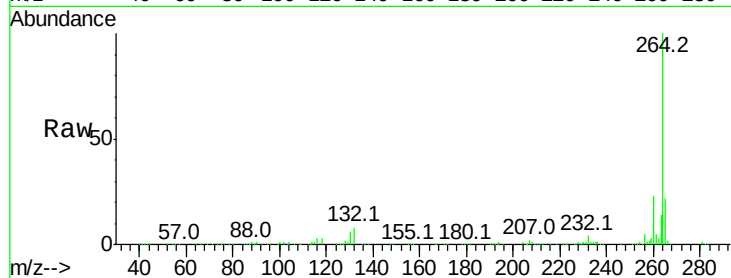




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.15 min Scan# 3891
 Delta R.T. -0.00 min
 Lab File: BG032167.D
 Acq: 20 Jan 2018 00:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	457351
Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.6	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

