

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032187.D
 Acq On : 20 Jan 2018 19:57
 Operator : SJ/JU
 Sample : J1186-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 02:04:28 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

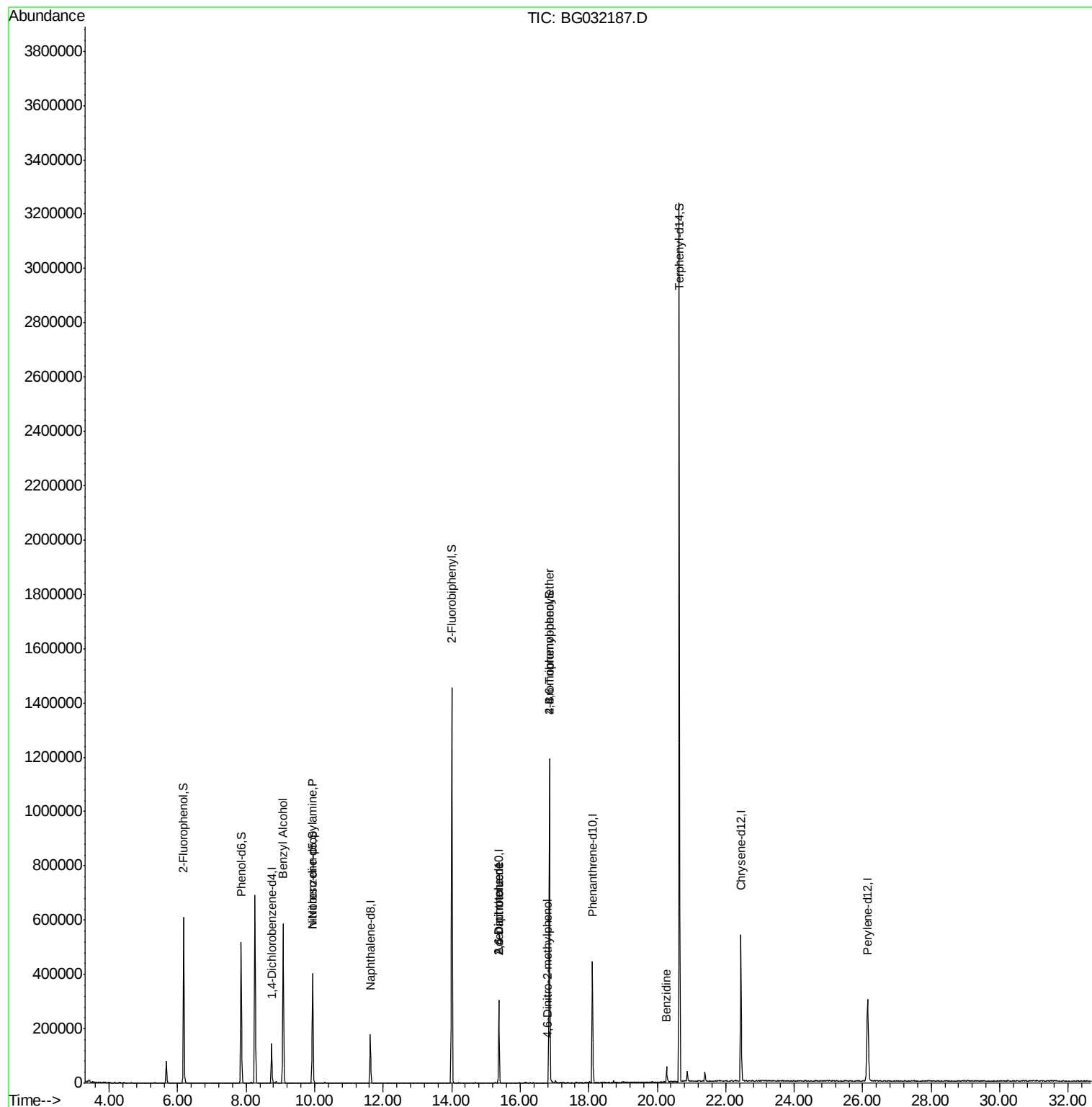
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	46646	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	173934	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	113950	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	303164	20.00	ng	0.00
75) Chrysene-d12	22.44	240	412588	20.00	ng	0.00
86) Perylene-d12	26.14	264	428991	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	300550	117.84	ng	0.00
7) Phenol-d6	7.85	99	323198	100.62	ng	0.00
23) Nitrobenzene-d5	9.94	82	252132	98.07	ng	0.00
41) 2,4,6-Tribromophenol	16.86	330	282086	149.60	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	869241	94.59	ng	0.00
78) Terphenyl-d14	20.65	244	1780839	95.31	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.08	79	5011	2.147	ng	# 56
19) n-Nitroso-di-n-propylamine	9.94	70	35904	18.015	ng	# 75
50) 2,6-Dinitrotoluene	15.38	165	14686	7.096	ng	# 23
56) 2,4-Dinitrotoluene	15.38	165	14686	5.270	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.80	198	64	4.914	ng	# 29
66) 4-Bromophenyl-phenylether	16.86	248	22220	5.151	ng	# 1
76) Benizidine	20.28	184	39395	3.818	ng	# 94

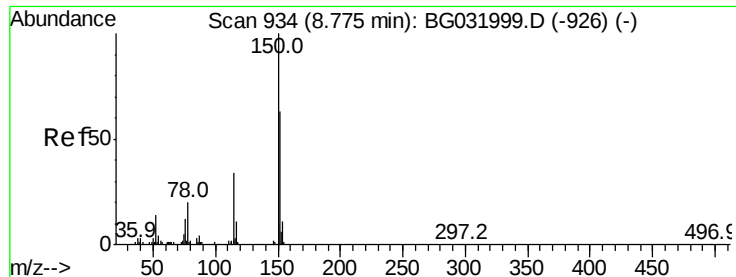
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



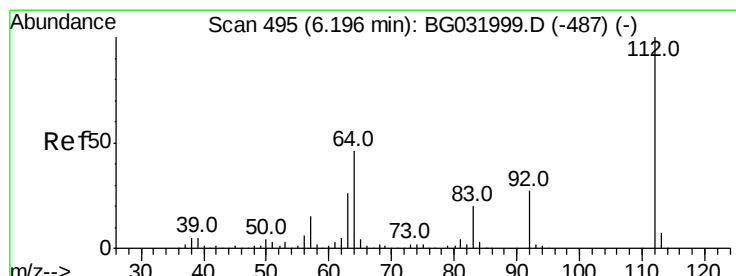
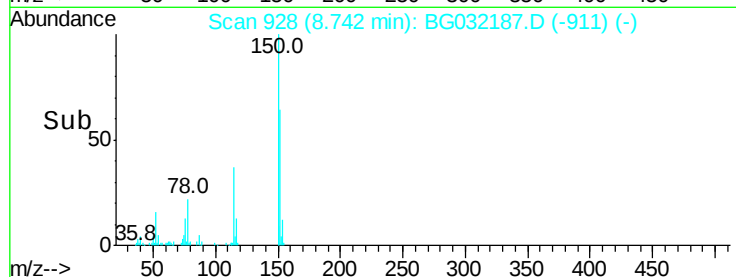
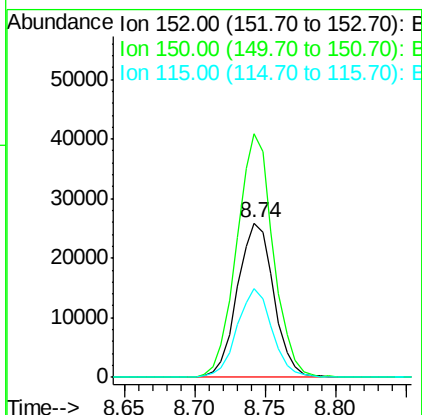
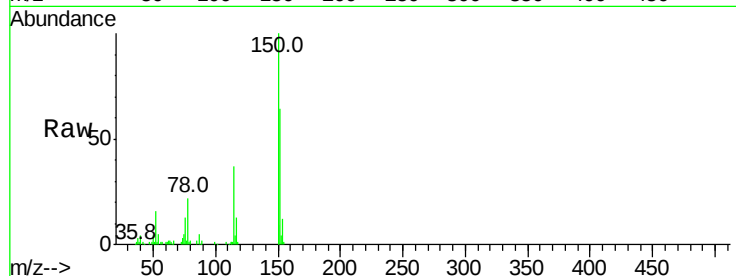


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032187.D
Acq: 20 Jan 2018 19:57

Instrument :
BNA_G
ClientSampled :

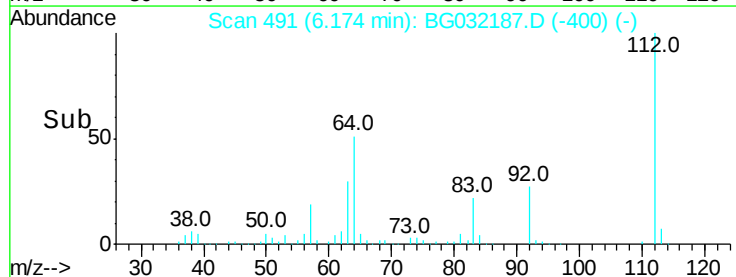
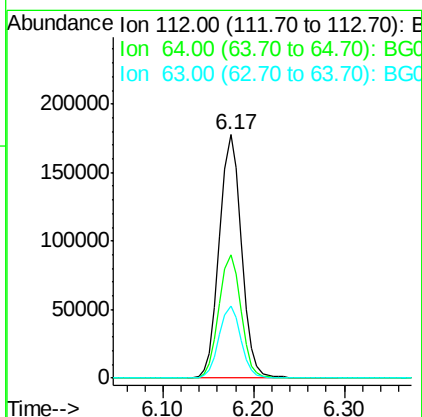
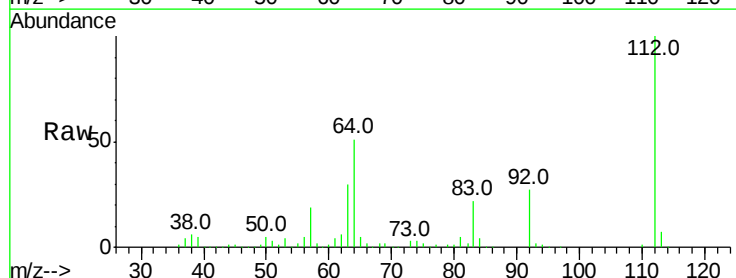
Tot Ion:152 Resp: 46646
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 57.6 53.0 79.4



#5

2-Fluorophenol
Concen: 117.842 ng
RT: 6.17 min Scan# 491
Delta R.T. 0.01 min
Lab File: BG032187.D
Acq: 20 Jan 2018 19:57

Tgt Ion:112 Resp: 300550
Ion Ratio Lower Upper
112 100
64 50.6 56.3 84.5#
63 29.7 30.1 45.1#





#7

Phenol-d6

Concen: 100.618 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG032187.D

Acq: 20 Jan 2018 19:57

Instrument :

BNA_G

ClientSampleId :

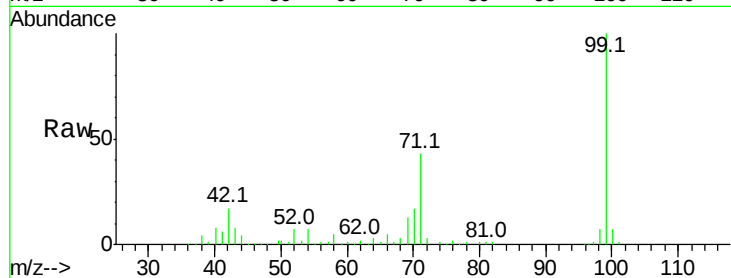
Tot Ion: 99 Resp: 323198

Ion Ratio Lower Upper

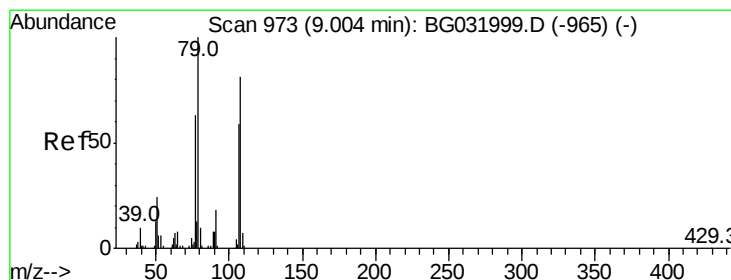
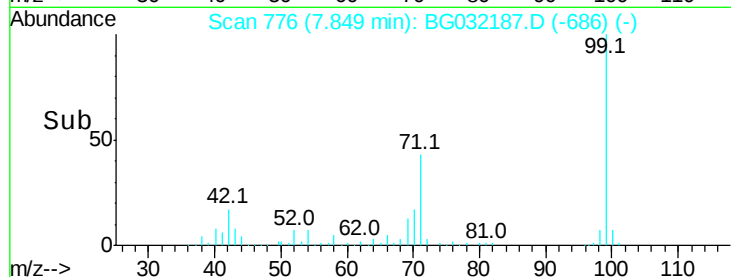
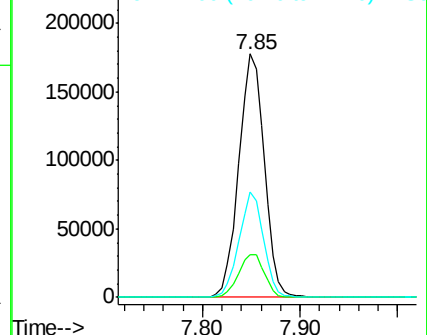
99 100

42 17.4 14.1 21.1

71 43.1 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



#15

Benzyl Alcohol

Concen: 2.147 ng

RT: 9.08 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032187.D

Acq: 20 Jan 2018 19:57

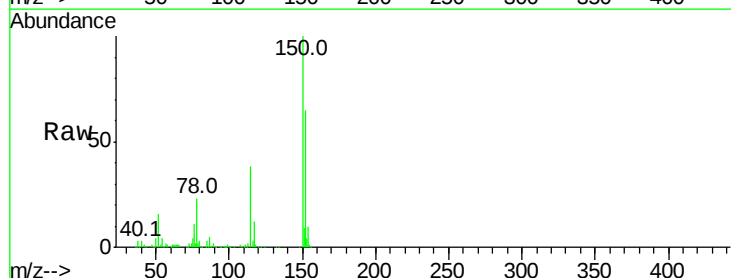
Tgt Ion: 79 Resp: 5011

Ion Ratio Lower Upper

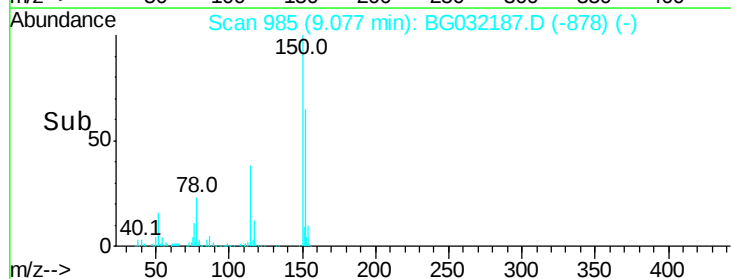
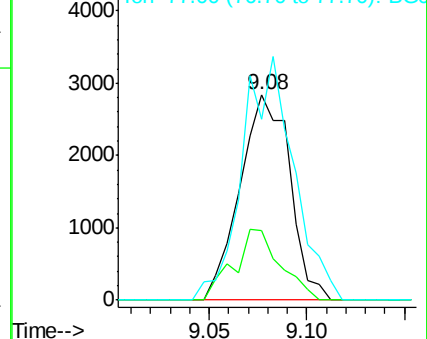
79 100

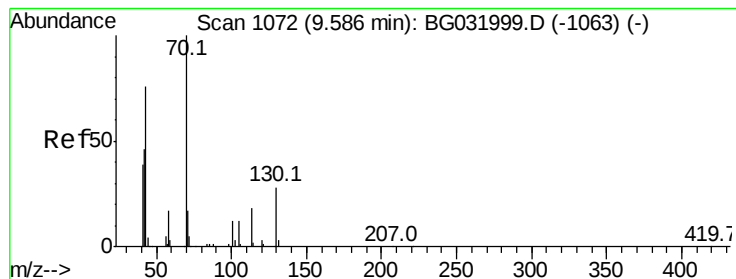
108 33.8 57.2 85.8#

77 88.2 46.1 69.1#



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





#19

n-Nitroso-di-n-propylamine

Concen: 18.015 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032187.D

Acq: 20 Jan 2018 19:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 35904

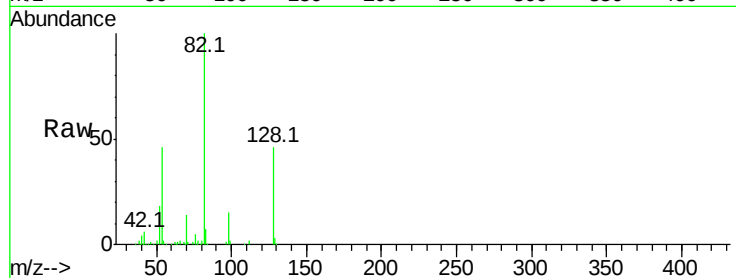
Ion Ratio Lower Upper

70 100

42 44.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

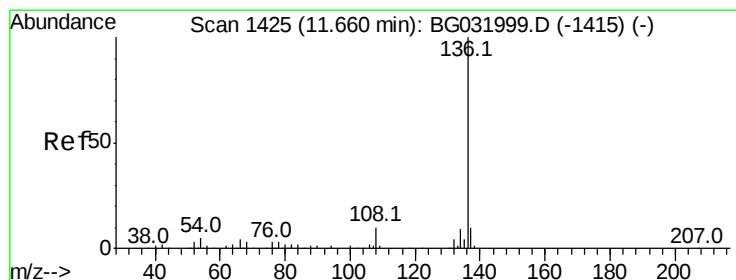
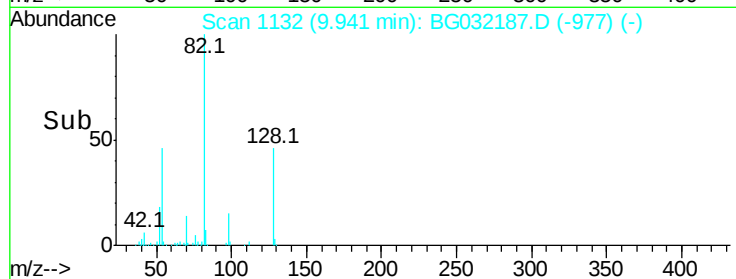
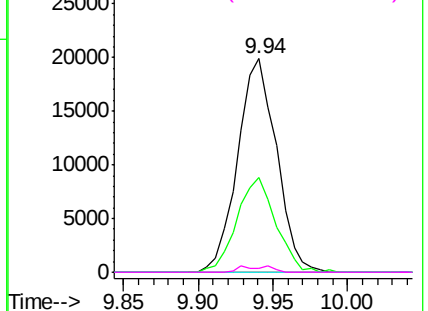


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1418

Delta R.T. -0.01 min

Lab File: BG032187.D

Acq: 20 Jan 2018 19:57

Tgt Ion: 136 Resp: 173934

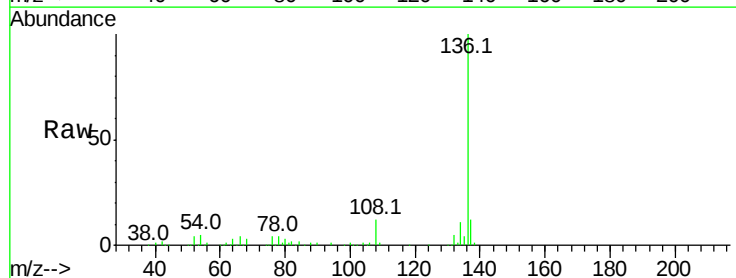
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 5.0 10.3 15.5#

68 3.2 4.5 6.7#

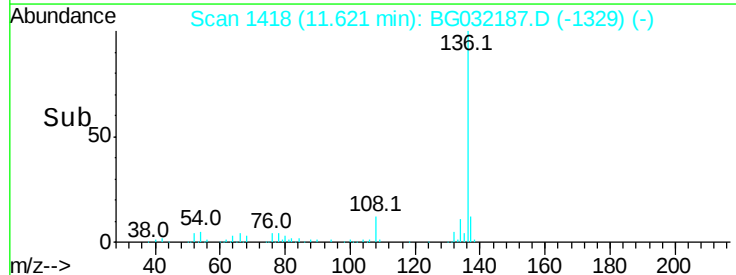
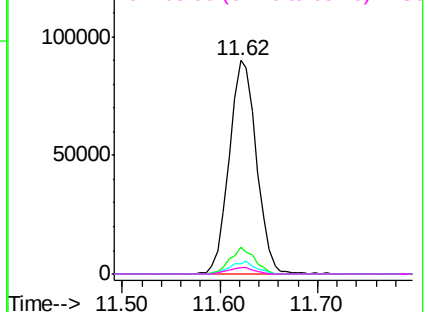


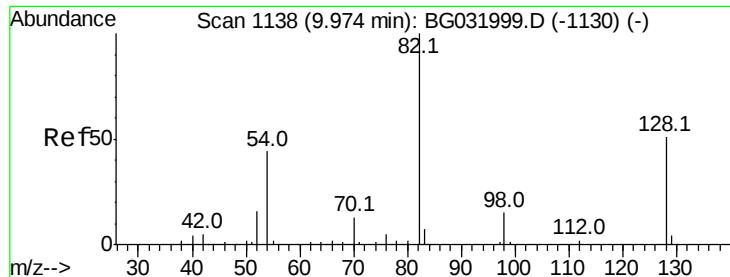
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

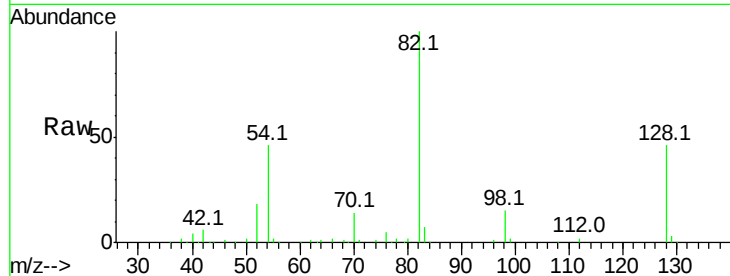




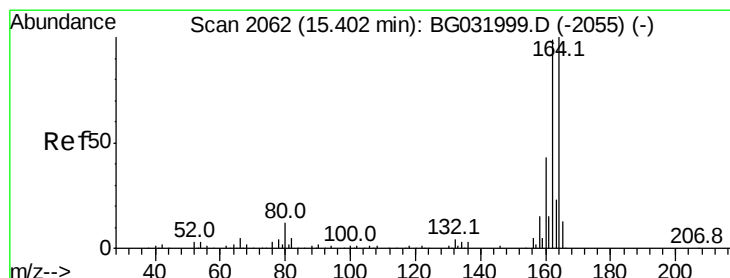
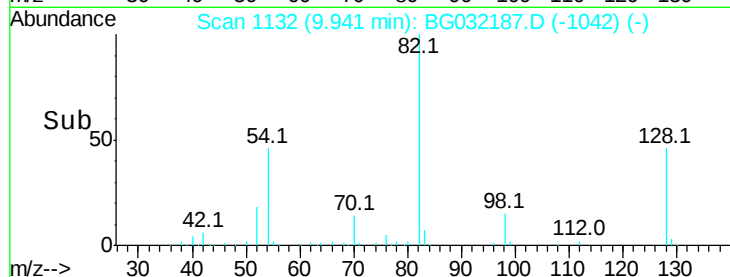
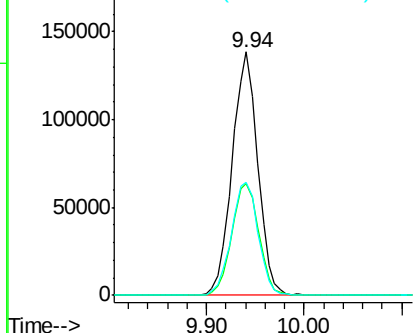
#23
Nitrobenzene-d5
Concen: 98.071 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032187.D
Acq: 20 Jan 2018 19:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 252132
Ion Ratio Lower Upper
82 100
128 46.2 29.7 44.5#
54 46.2 43.1 64.7

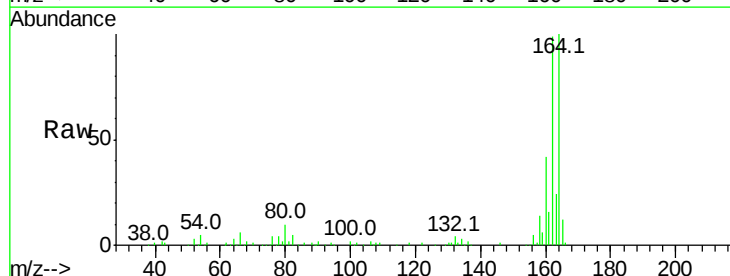


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

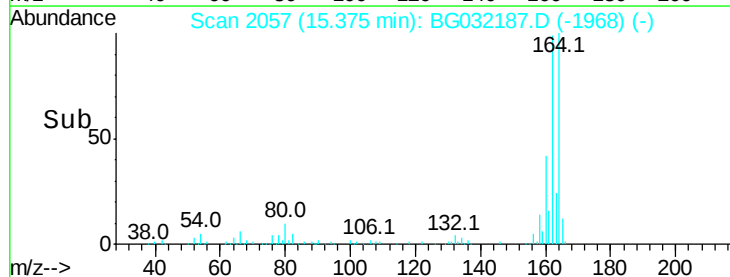
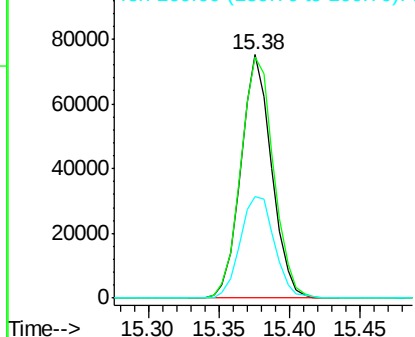


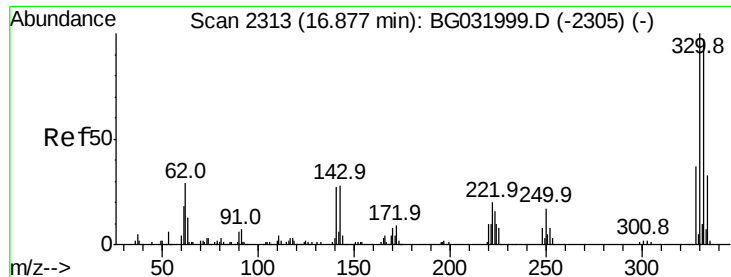
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.38 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BG032187.D
Acq: 20 Jan 2018 19:57

Tgt Ion:164 Resp: 113950
Ion Ratio Lower Upper
164 100
162 98.8 78.8 118.2
160 41.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

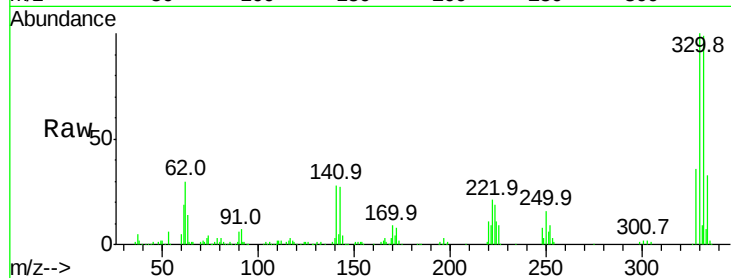




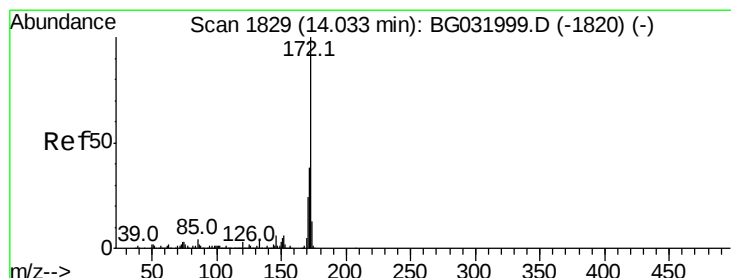
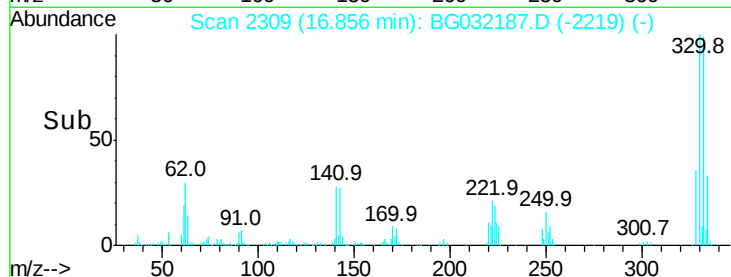
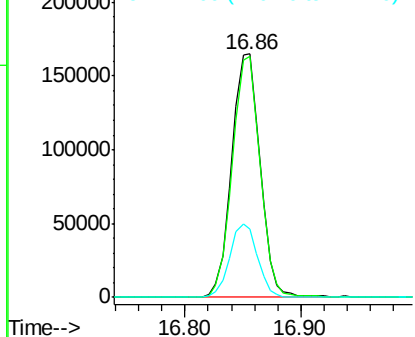
#41
 2,4,6-Tribromophenol
 Concen: 149.600 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032187.D
 Acq: 20 Jan 2018 19:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	29.5	25.2	37.8

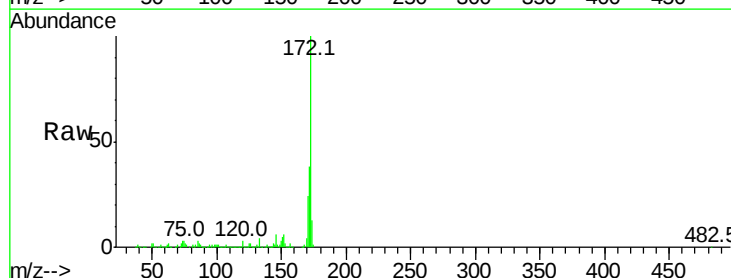


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

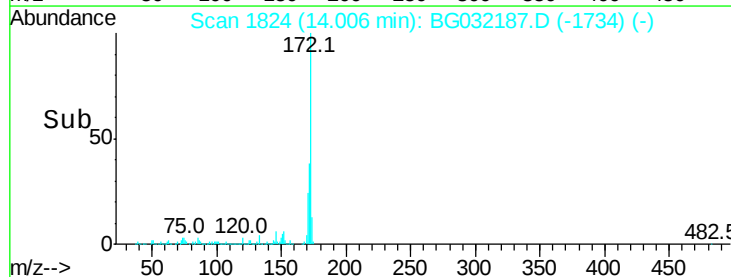
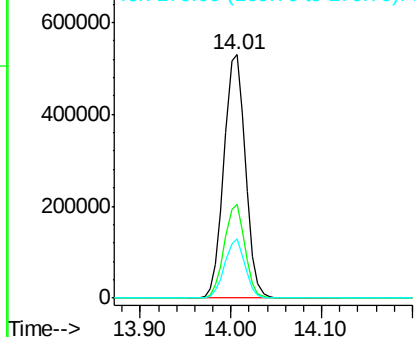


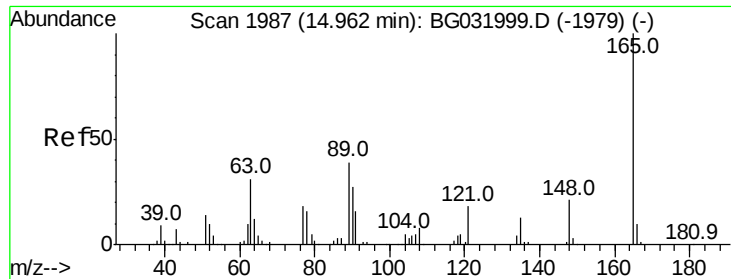
#44
 2-Fluorobiphenyl
 Concen: 94.587 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032187.D
 Acq: 20 Jan 2018 19:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	24.2	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

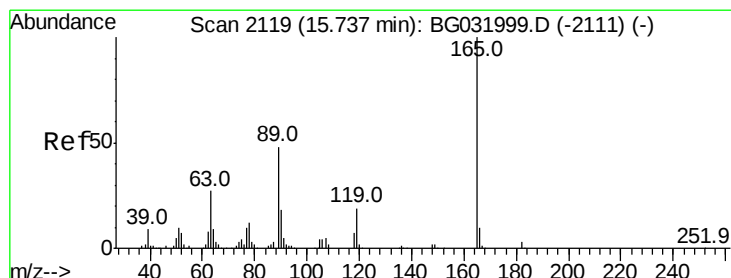
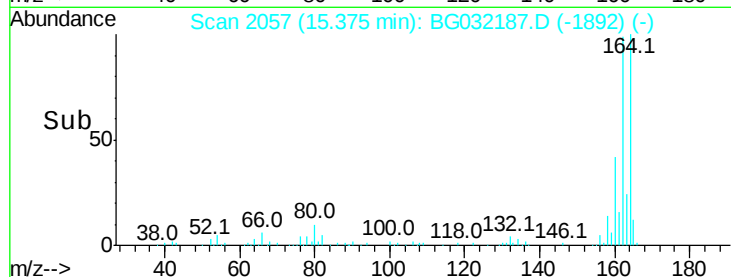
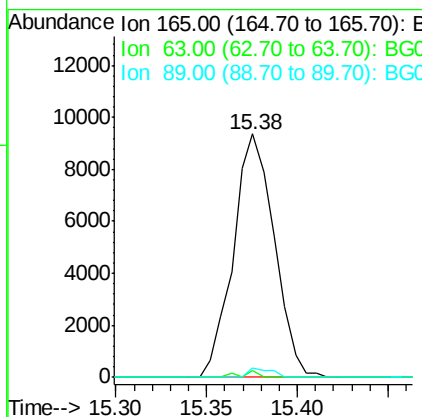
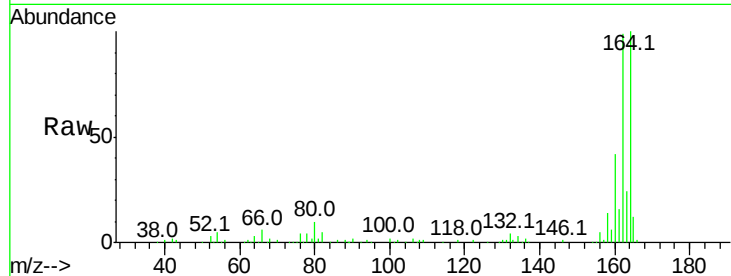




#50
 2,6-Dinitrotoluene
 Concen: 7.096 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. 0.44 min
 Lab File: BG032187.D
 Acq: 20 Jan 2018 19:57

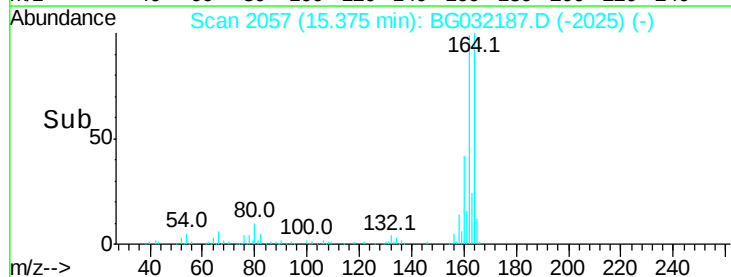
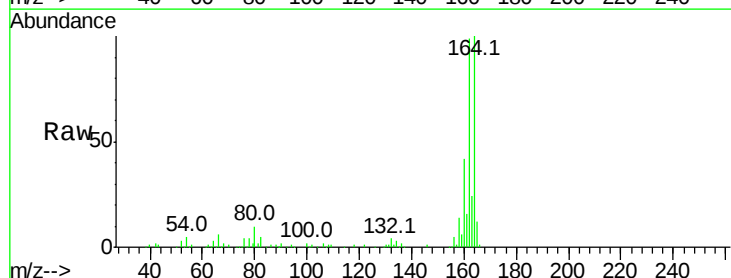
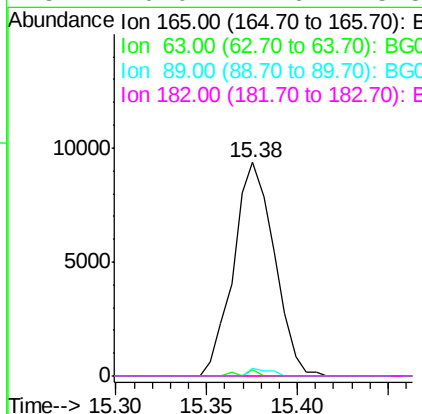
Instrument :
 BNA_G
 ClientSampleId :

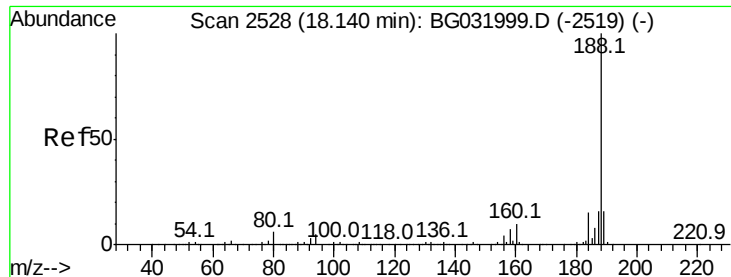
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.0	52.7	79.1#
89	3.9	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.270 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. -0.34 min
 Lab File: BG032187.D
 Acq: 20 Jan 2018 19:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	42.0	63.0#
89	3.9	66.9	100.3#
182	0.0	2.6	3.8#

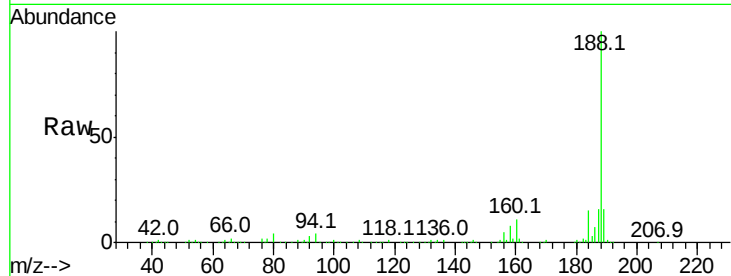




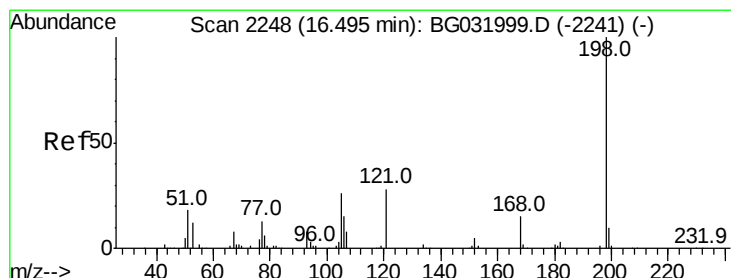
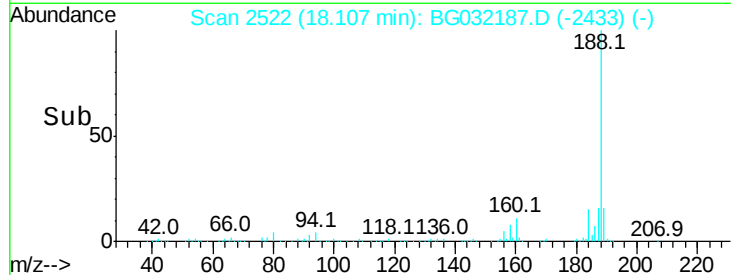
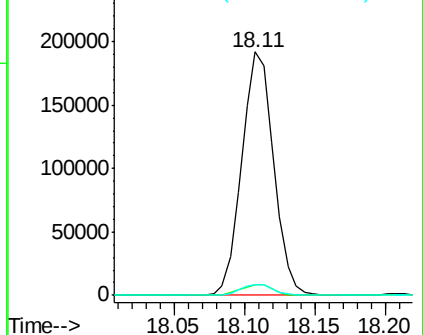
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BG032187.D
 Acq: 20 Jan 2018 19:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 303164
 Ion Ratio Lower Upper
 188 100
 94 4.5 6.9 10.3#
 80 4.4 7.7 11.5#

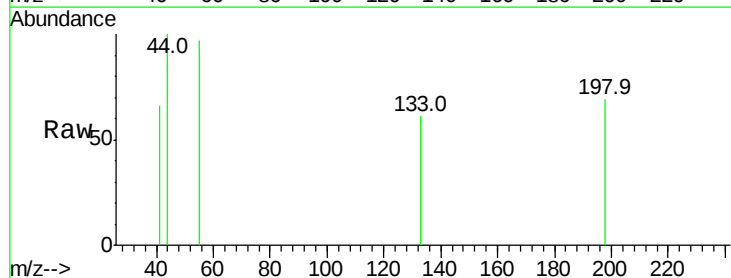


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

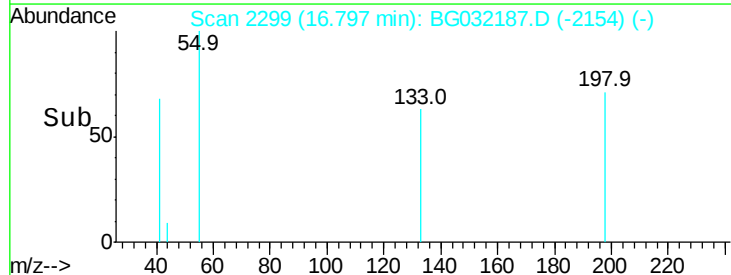
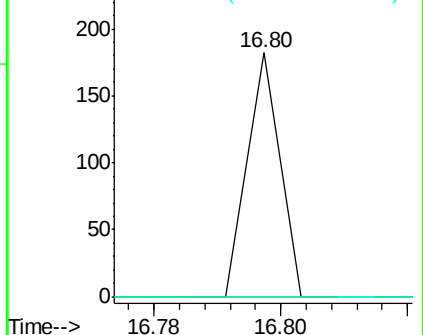


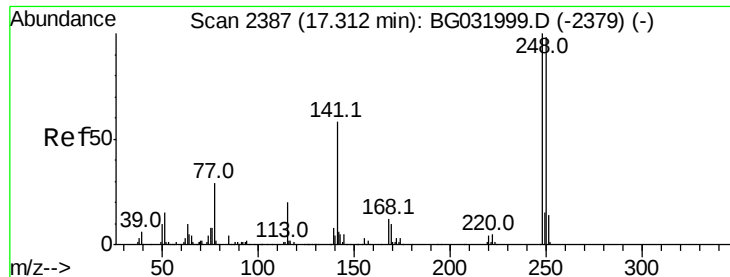
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.914 ng
 RT: 16.80 min Scan# 2299
 Delta R.T. 0.32 min
 Lab File: BG032187.D
 Acq: 20 Jan 2018 19:57

Tgt Ion:198 Resp: 64
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 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

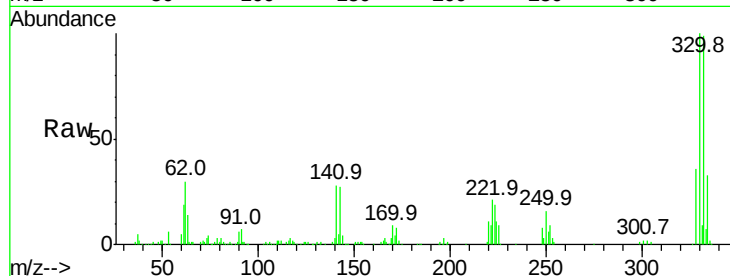




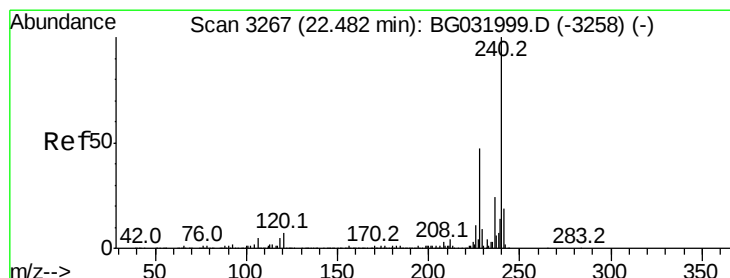
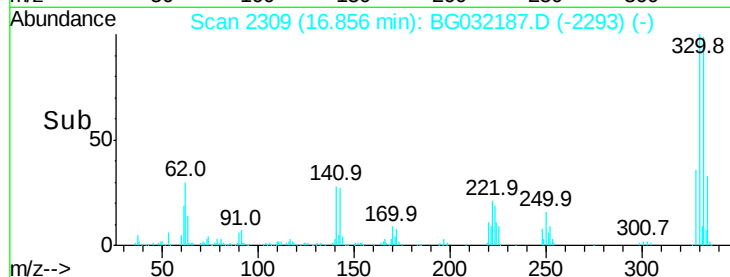
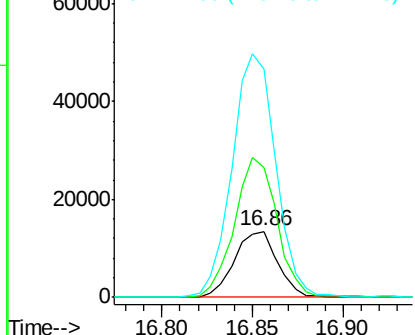
#66
4-Bromophenyl-phenylether
Concen: 5.151 ng
RT: 16.86 min Scan# 2309
Delta R.T. -0.43 min
Lab File: BG032187.D
Acq: 20 Jan 2018 19:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 22220
Ion Ratio Lower Upper
248 100
250 197.8 77.1 115.7#
141 346.3 50.8 76.2#

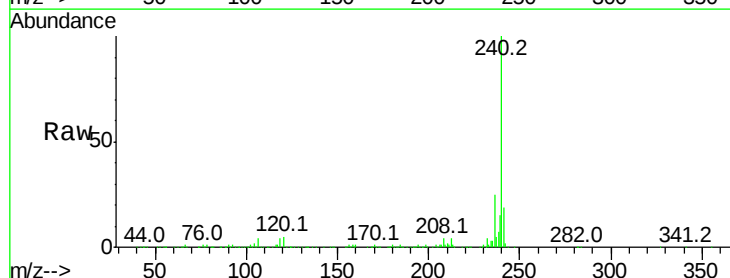


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

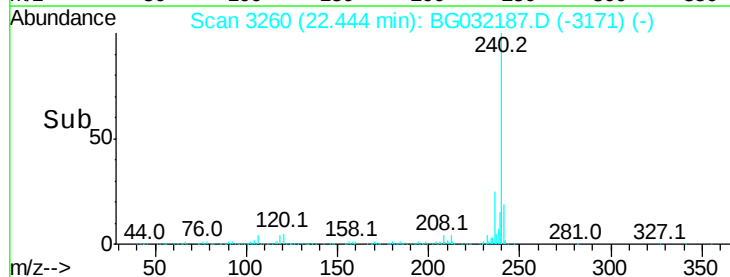
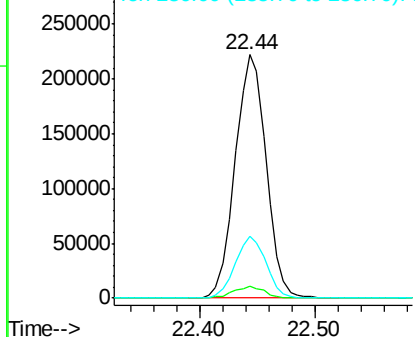


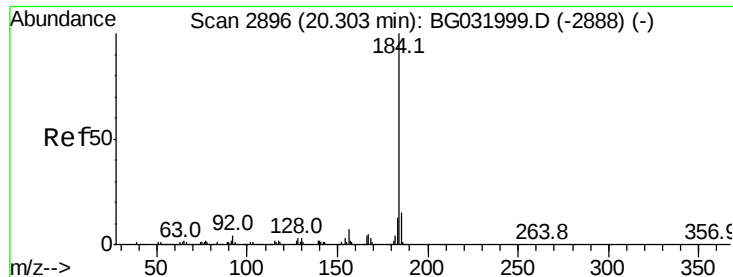
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.44 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BG032187.D
Acq: 20 Jan 2018 19:57

Tgt Ion:240 Resp: 412588
Ion Ratio Lower Upper
240 100
120 4.7 6.8 10.2#
236 25.2 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: 3.818 ng

RT: 20.28 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG032187.D

Acq: 20 Jan 2018 19:57

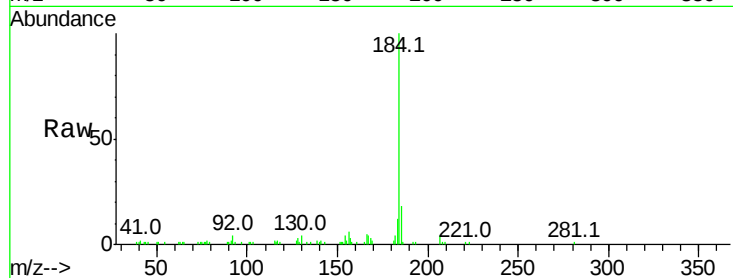
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 39395

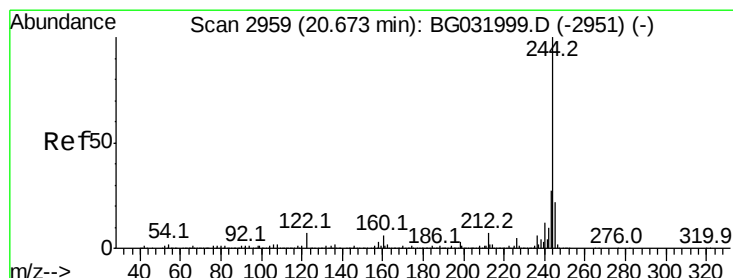
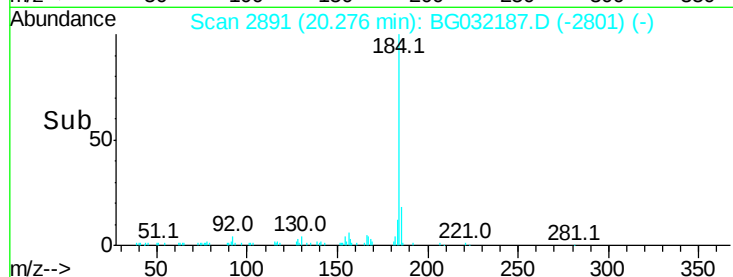
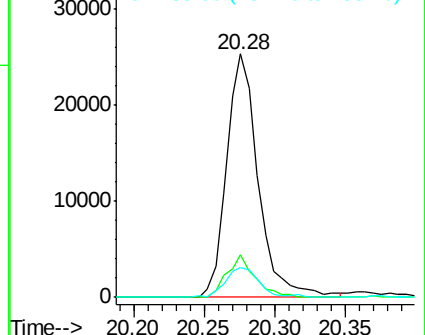
Ion	Ratio	Lower	Upper
184	100		
185	17.5	11.1	16.7#
183	12.2	10.6	16.0



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: 95.305 ng

RT: 20.65 min Scan# 2954

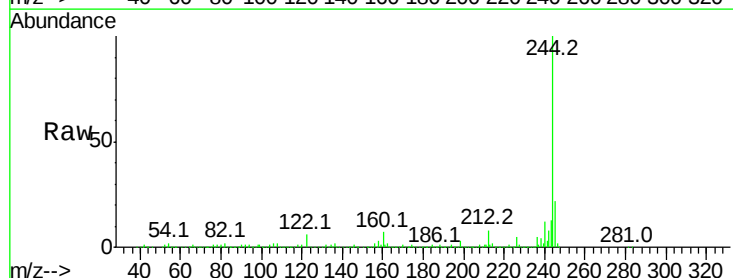
Delta R.T. -0.01 min

Lab File: BG032187.D

Acq: 20 Jan 2018 19:57

Tgt Ion:244 Resp: 1780839

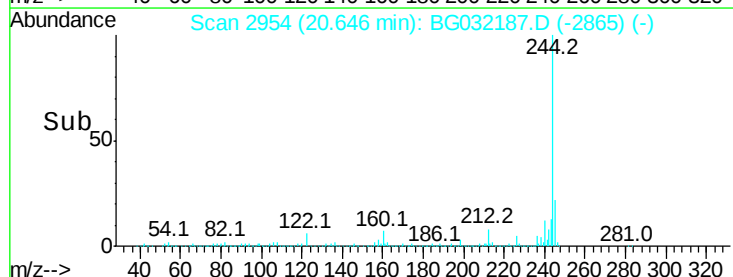
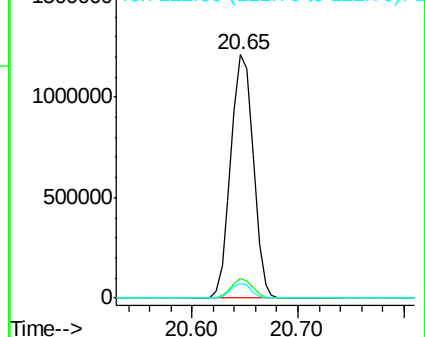
Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	6.1	7.0	10.4#

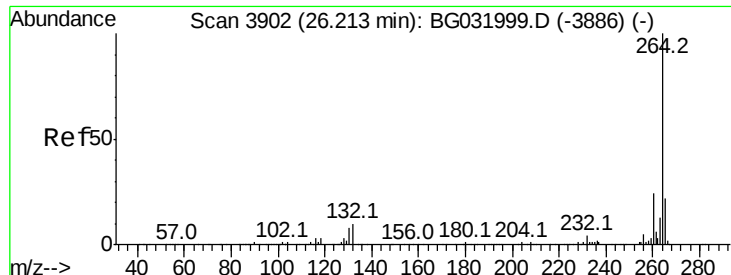


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

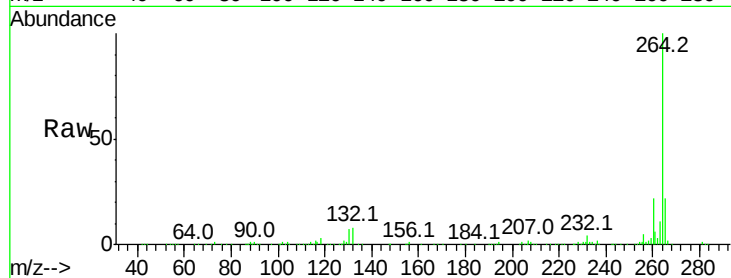




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.14 min Scan# 3889
 Delta R.T. -0.01 min
 Lab File: BG032187.D
 Acq: 20 Jan 2018 19:57

Instrument :
 BNA_G
 ClientSampleId :

Tot	Ion:264	Resp:	428991
Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.0
265	21.7	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

