

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033187.D
 Acq On : 15 Mar 2018 21:40
 Operator : SJ/JU
 Sample : J1913-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 04:55:24 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	31468	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	135303	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	81674	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	217825	20.00	ng	0.00
75) Chrysene-d12	22.60	240	227861	20.00	ng	0.00
86) Perylene-d12	26.41	264	247690	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	296183	150.58	ng	0.00
7) Phenol-d6	8.00	99	371143	135.37	ng	0.00
23) Nitrobenzene-d5	10.10	82	264788	129.88	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	225040	262.05	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	609658	107.66	ng	0.00
78) Terphenyl-d14	20.77	244	1136351	112.05	ng	0.00

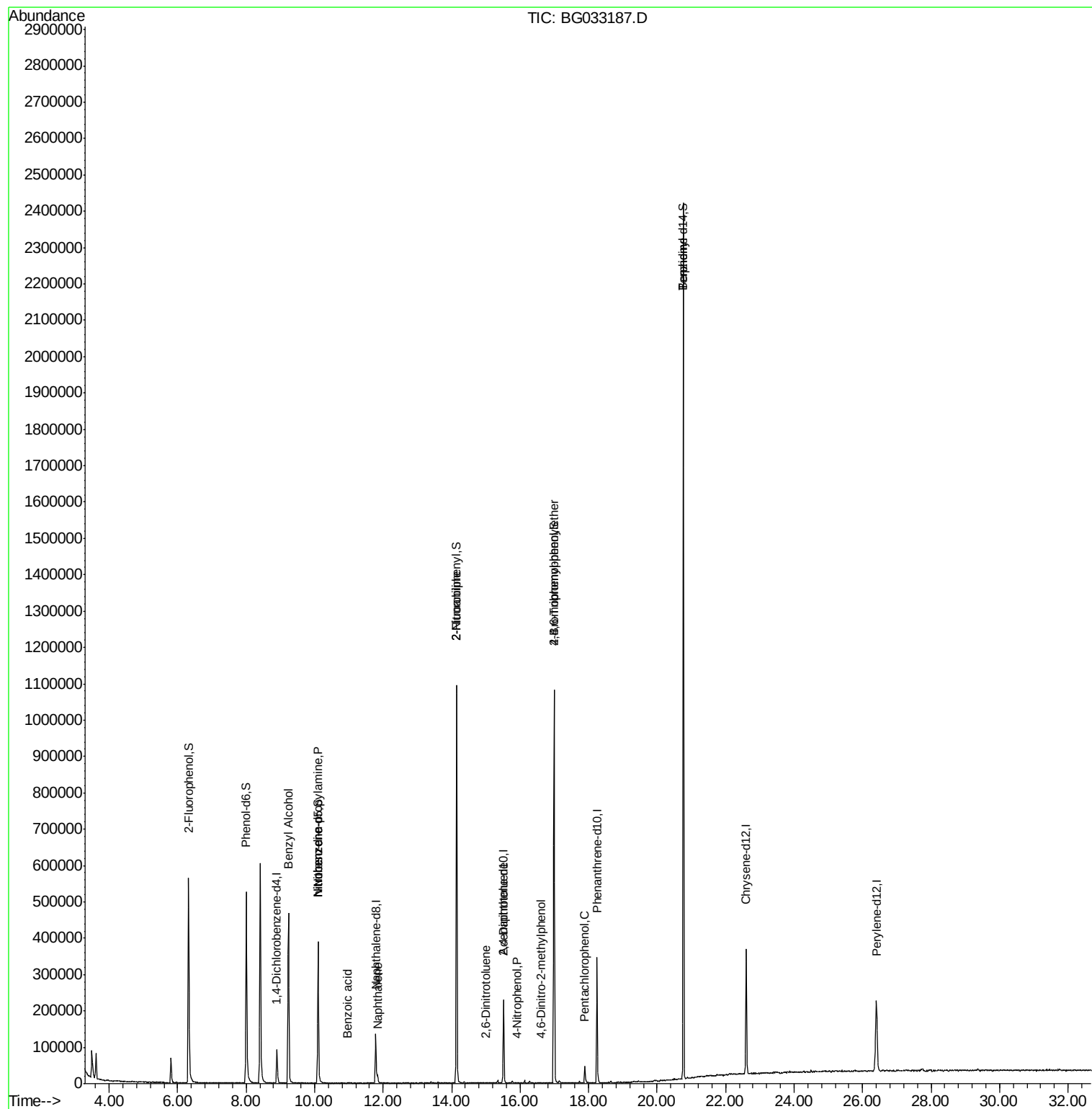
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.24	79	4423	2.194	ng	# 40
19) n-Nitroso-di-n-propylamine	10.10	70	36188	18.697	ng	# 83
24) Nitrobenzene	10.09	77	700	6.662	ng	# 37
31) Naphthalene	11.84	128	23005	3.254	ng	# 97
32) Benzoic acid	10.96	122	251	6.053	ng	# 54
47) 2-Nitroaniline	14.14	65	1141	10.510	ng	# 13
50) 2,6-Dinitrotoluene	15.00	165	377	9.166	ng	# 18
55) 4-Nitrophenol	15.90	139	54	7.124	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	11010	14.911	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.61	198	55	5.055	ng	# 29
66) 4-Bromophenyl-phenylether	16.99	248	15071	6.543	ng	# 1
69) Pentachlorophenol	17.88	266	10721	6.838	ng	# 91
76) Benzidine	20.77	184	19662	2.531	ng	# 91

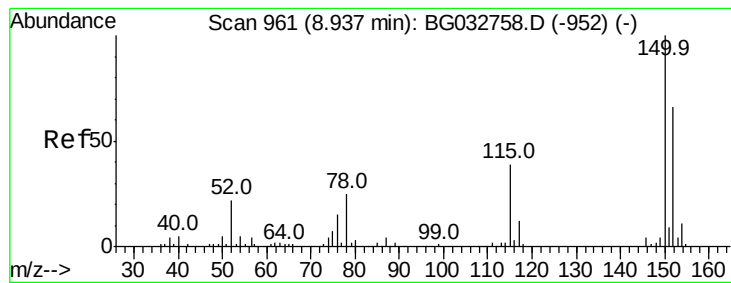
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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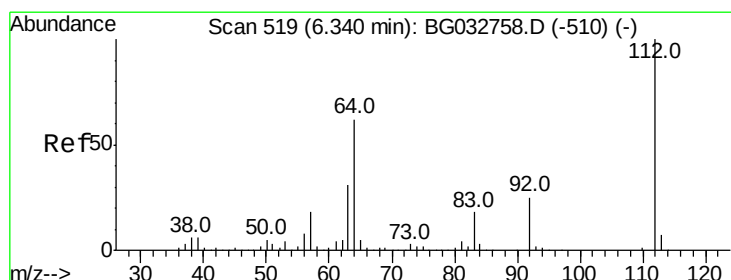
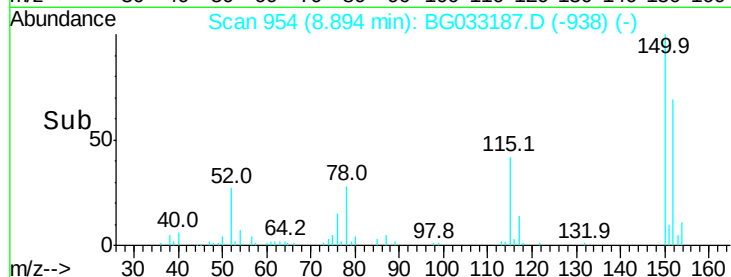
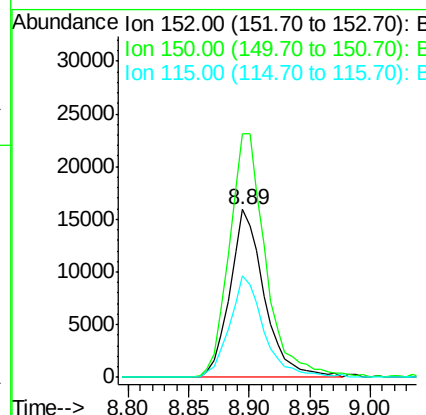
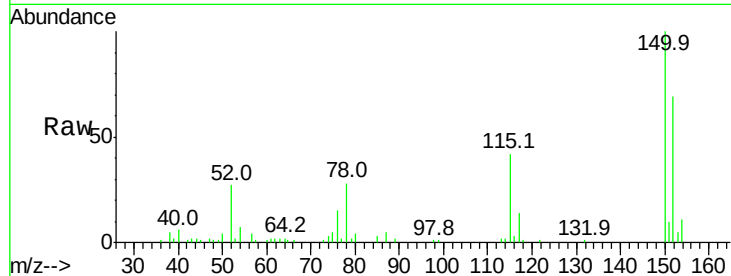


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

Instrument :
BNA_G
ClientSampleId :

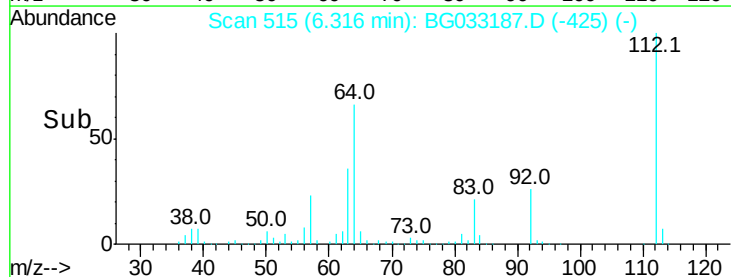
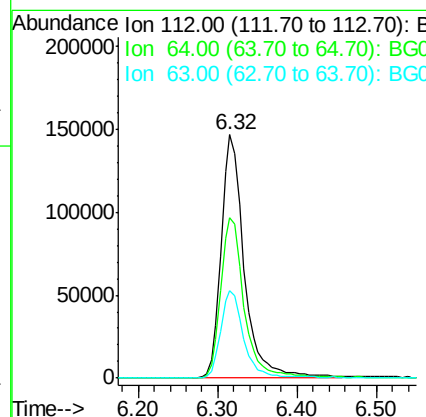
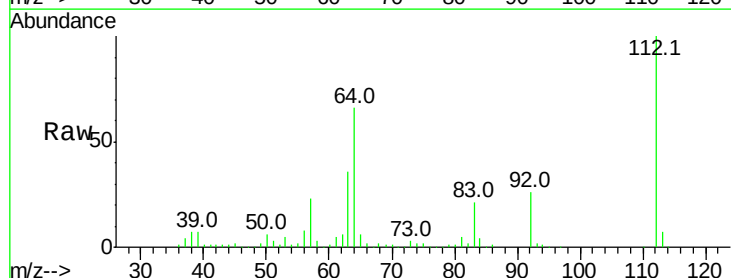
Tot Ion:152 Resp: 31468
Ion Ratio Lower Upper
152 100
150 145.1 126.6 189.8
115 60.2 53.0 79.4

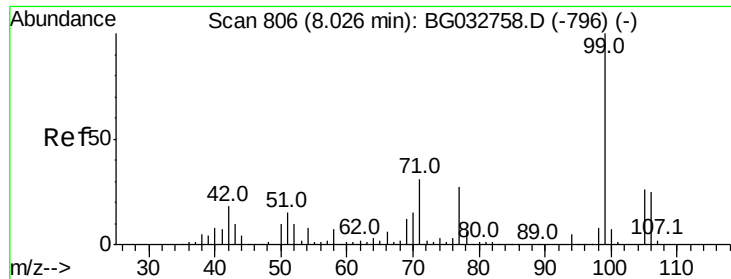


#5

2-Fluorophenol
Concen: 150.581 ng
RT: 6.32 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

Tgt Ion:112 Resp: 296183
Ion Ratio Lower Upper
112 100
64 66.1 56.3 84.5
63 35.7 30.1 45.1





#7

Phenol-d6

Concen: 135.373 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

Instrument :

BNA_G

ClientSampleId :

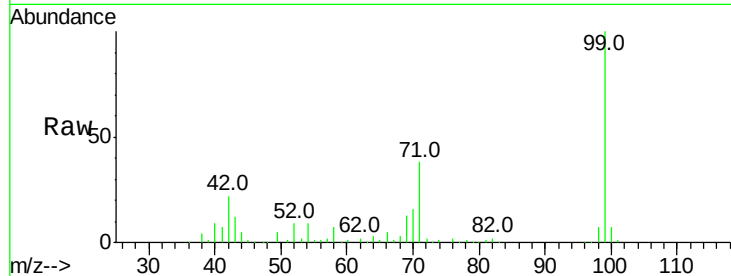
Tot Ion: 99 Resp: 371143

Ion Ratio Lower Upper

99 100

42 21.8 14.1 21.1#

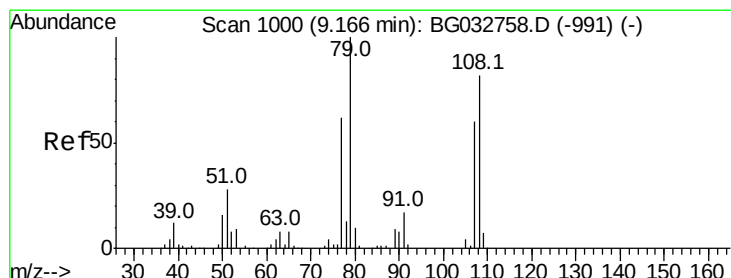
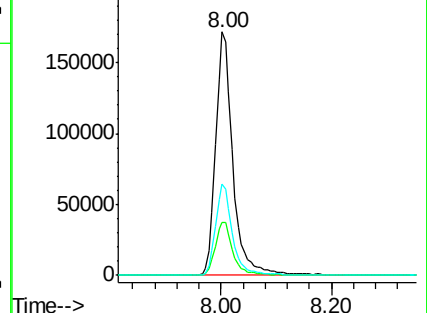
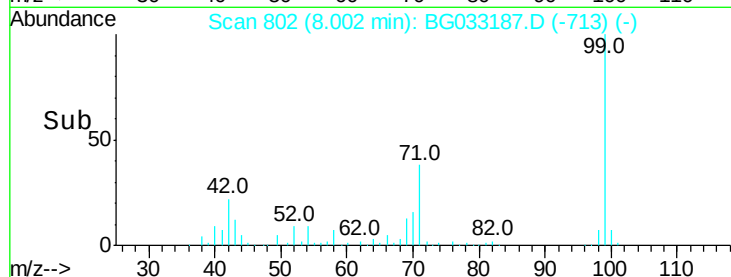
71 37.7 26.1 39.1



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: 2.194 ng

RT: 9.24 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

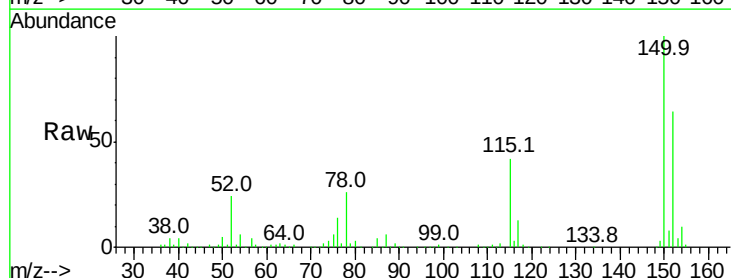
Tgt Ion: 79 Resp: 4423

Ion Ratio Lower Upper

79 100

108 46.4 57.2 85.8#

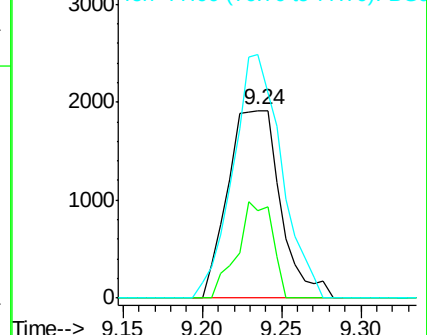
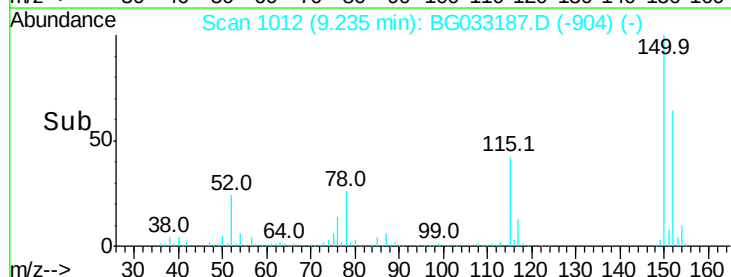
77 129.6 46.1 69.1#

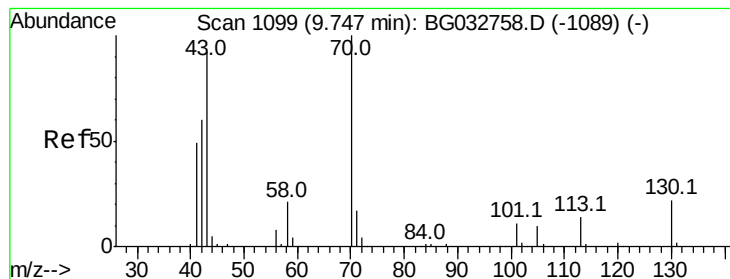


Abundance Ion 79.00 (78.70 to 79.70): BGC

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: 18.697 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 36188

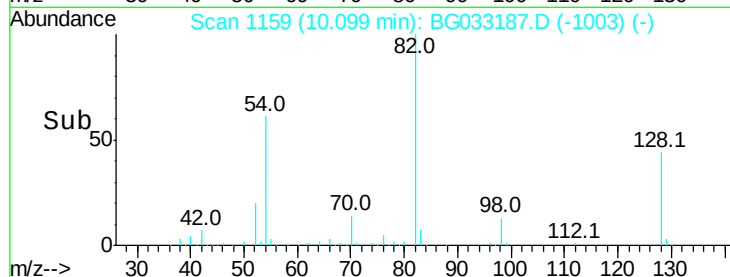
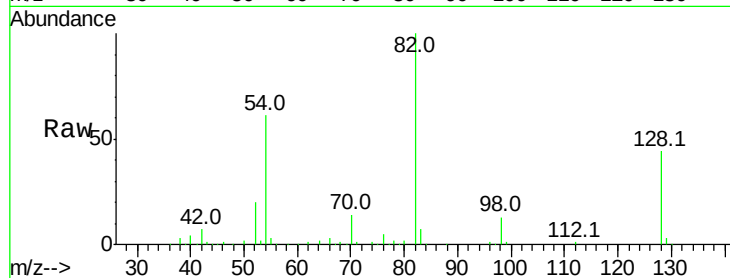
Ion Ratio Lower Upper

70 100

42 53.7 49.1 73.7

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

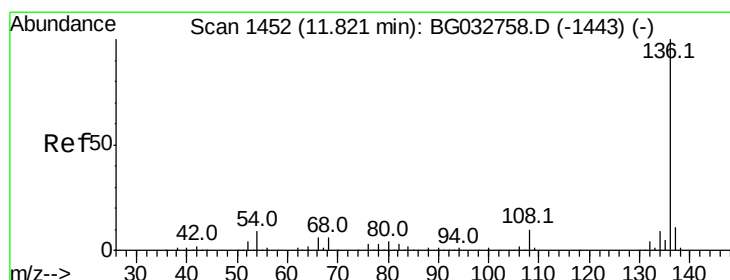
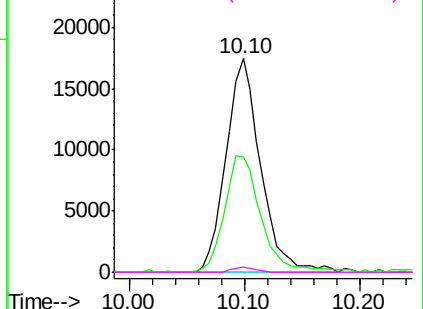


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.78 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

Tgt Ion: 136 Resp: 135303

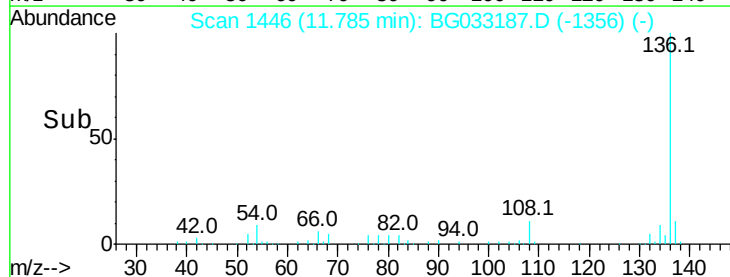
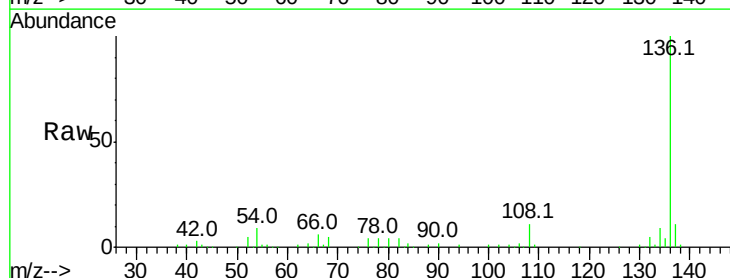
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 8.9 10.3 15.5#

68 5.5 4.5 6.7

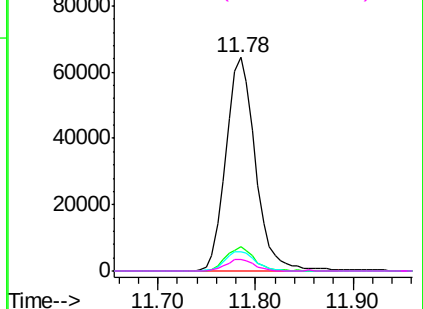


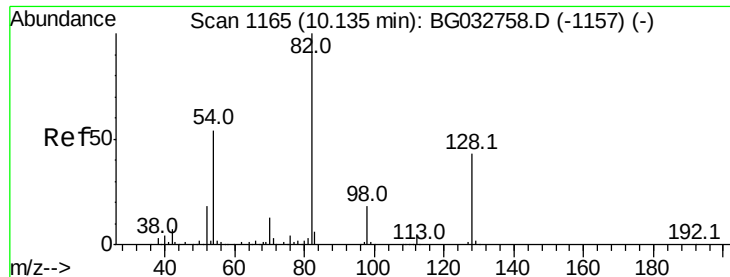
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

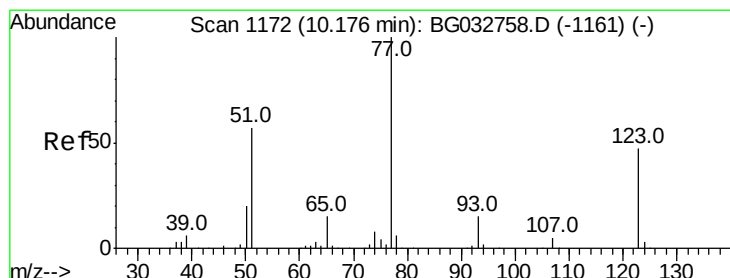
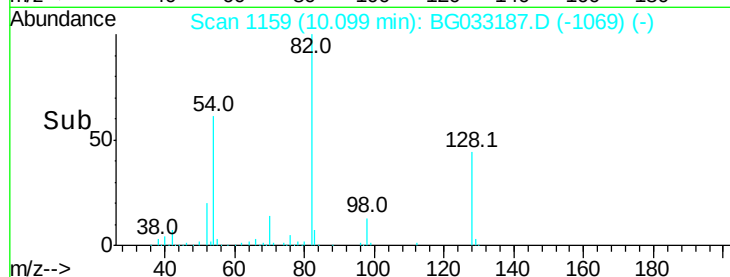
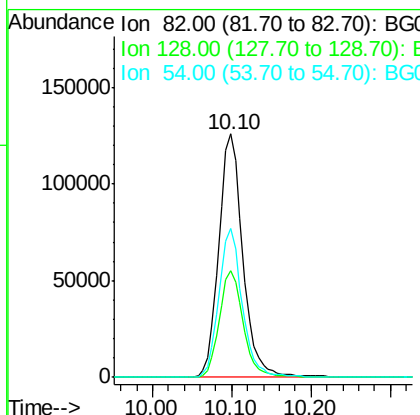
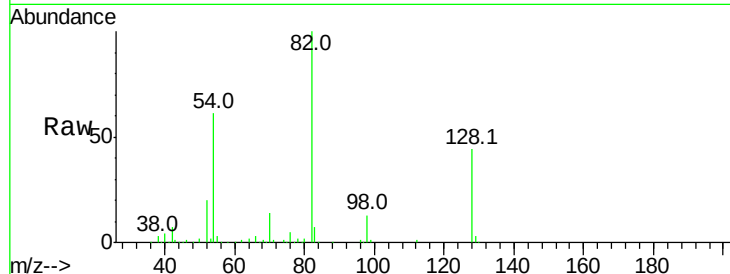




#23
 Nitrobenzene-d5
 Concen: 129.881 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BG033187.D
 Acq: 15 Mar 2018 21:40

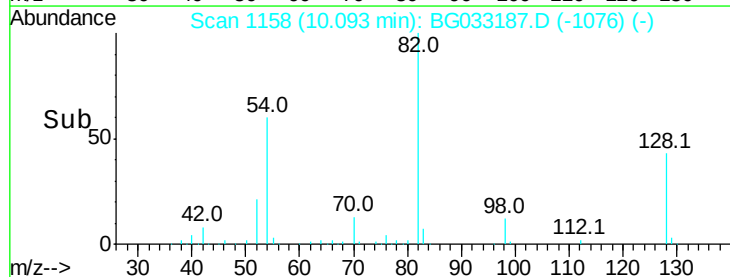
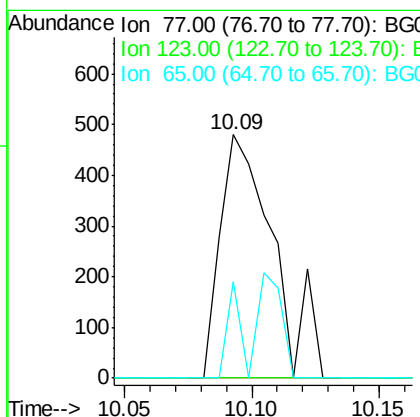
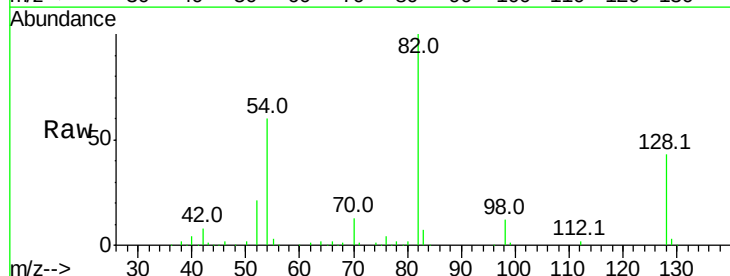
Instrument :
 BNA_G
 ClientSampleId :

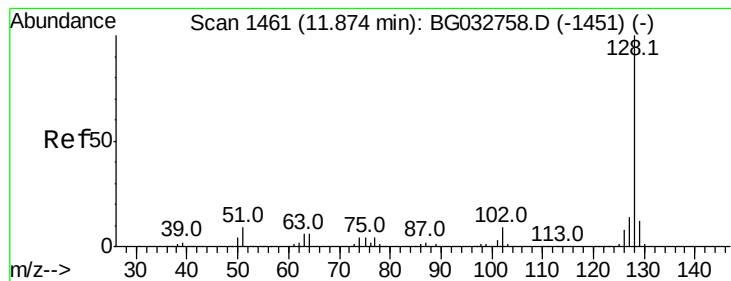
Tot Ion	82.00	Resp	264788
Ion	Ratio	Lower	Upper
82	100		
128	44.1	29.7	44.5
54	61.2	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.662 ng
 RT: 10.09 min Scan# 1158
 Delta R.T. -0.05 min
 Lab File: BG033187.D
 Acq: 15 Mar 2018 21:40

Tgt Ion	77.00	Resp	700
Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	39.8	13.0	19.6#





#31

Naphthalene

Concen: 3.254 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

Instrument :

BNA_G

ClientSampleId :

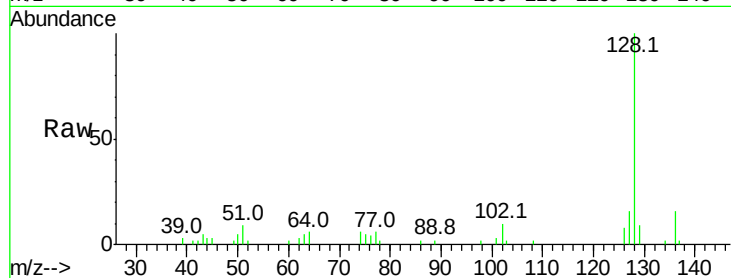
Tot Ion:128 Resp: 23005

Ion Ratio Lower Upper

128 100

129 9.4 8.6 12.8

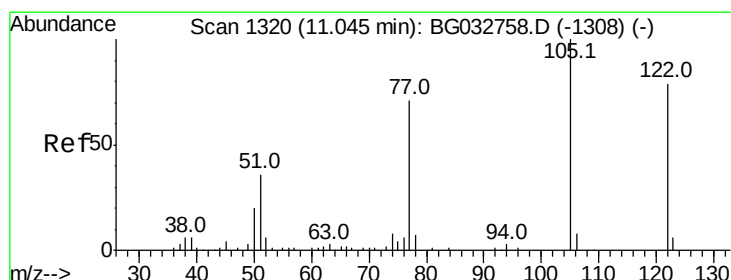
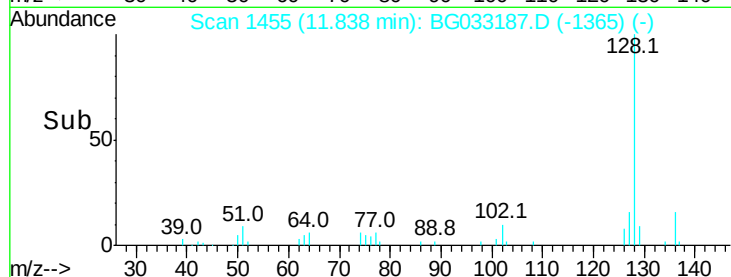
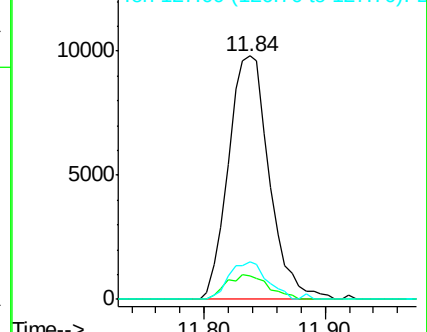
127 15.6 11.6 17.4



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: 6.053 ng

RT: 10.96 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

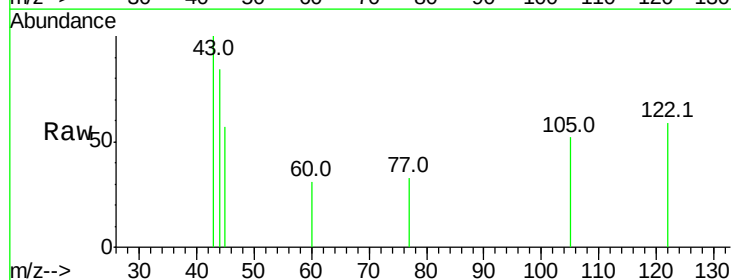
Tgt Ion:122 Resp: 251

Ion Ratio Lower Upper

122 100

105 88.6 123.5 163.5#

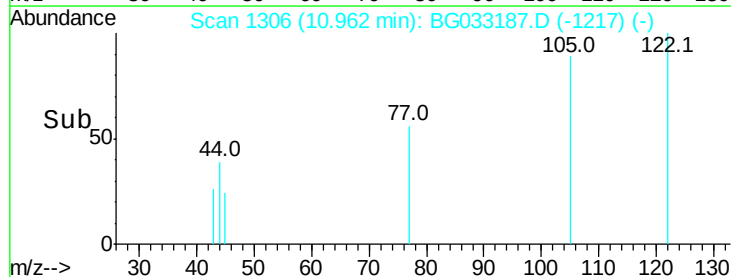
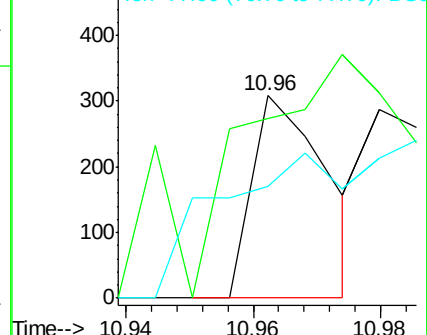
77 55.5 85.7 125.7#

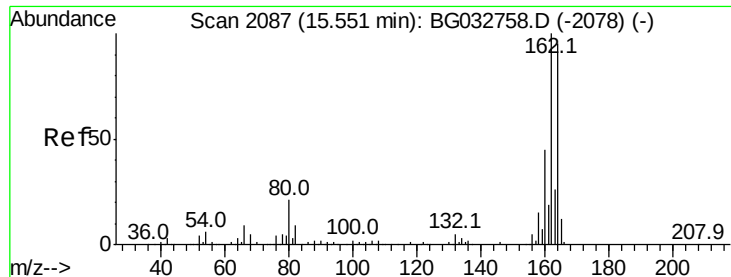


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

Instrument :

BNA_G

ClientSampleId :

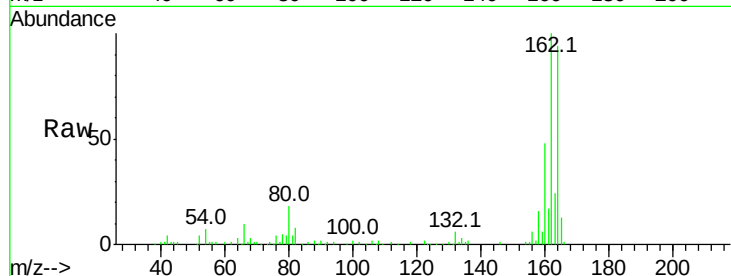
Tot Ion:164 Resp: 81674

Ion Ratio Lower Upper

164 100

162 106.4 78.8 118.2

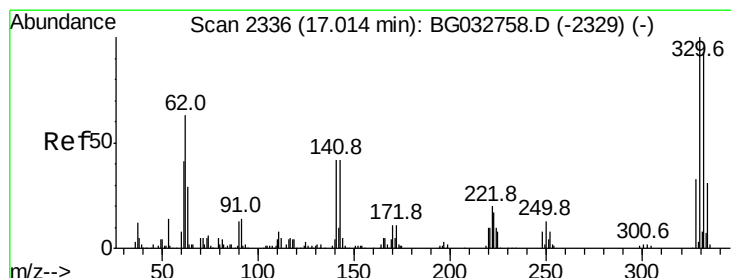
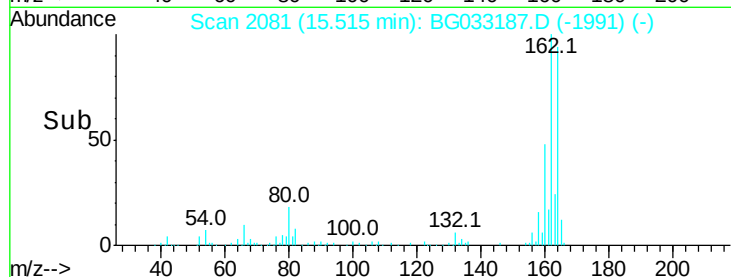
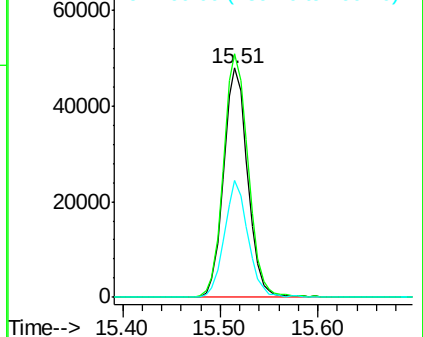
160 50.9 35.4 53.0



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: 262.048 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

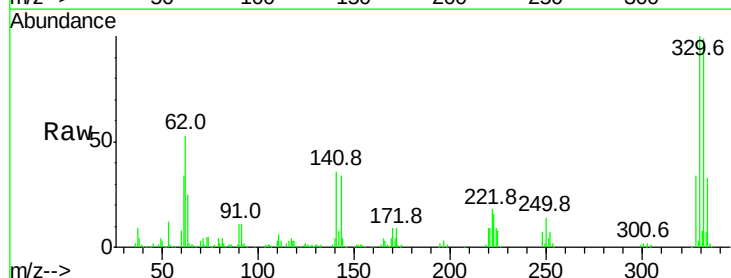
Tgt Ion:330 Resp: 225040

Ion Ratio Lower Upper

330 100

332 98.5 77.0 115.6

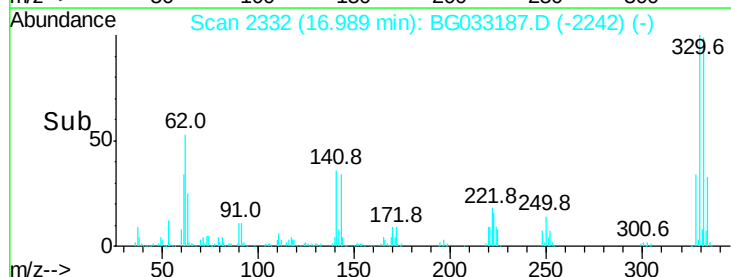
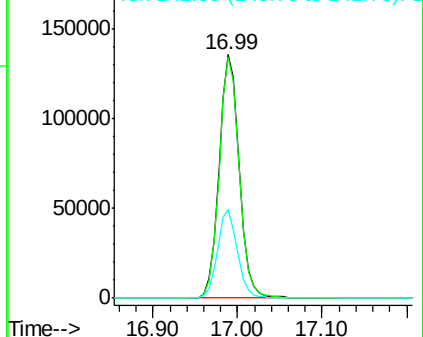
141 36.0 25.2 37.8

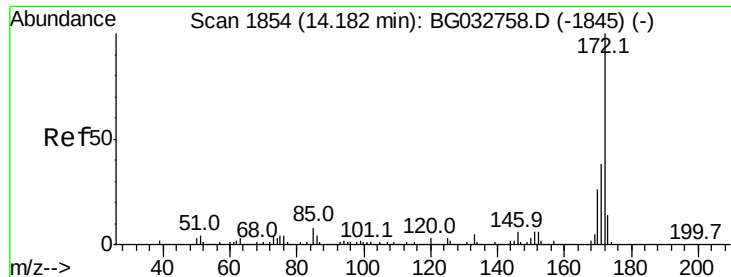


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

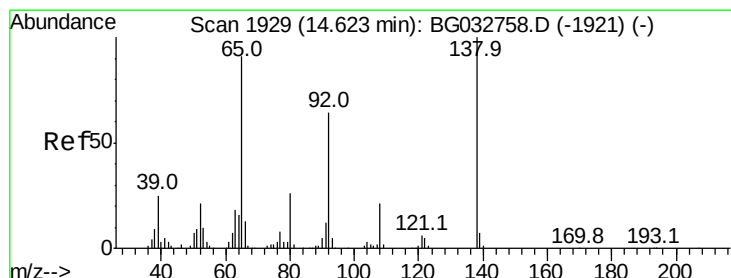
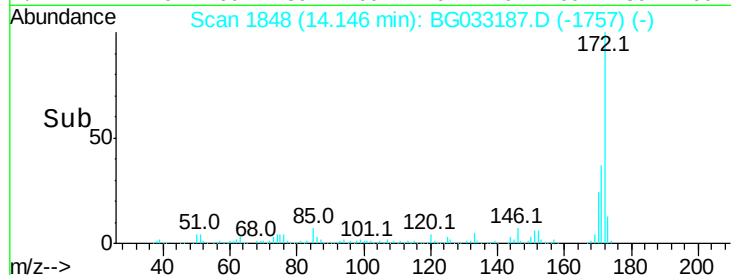
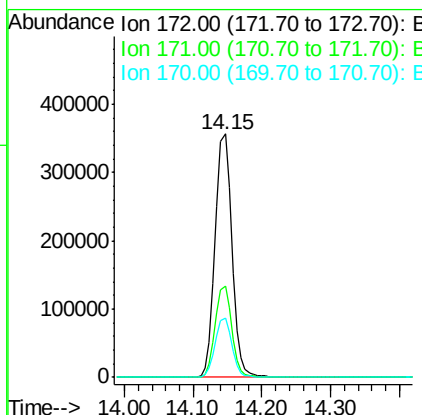
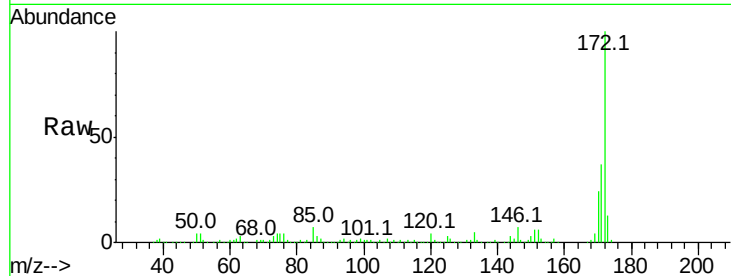




#44
2-Fluorobiphenyl
Concen: 107.657 ng
RT: 14.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

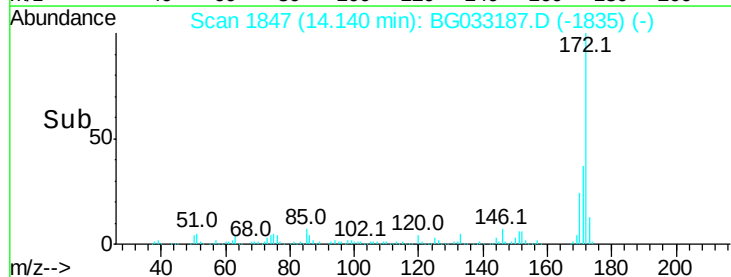
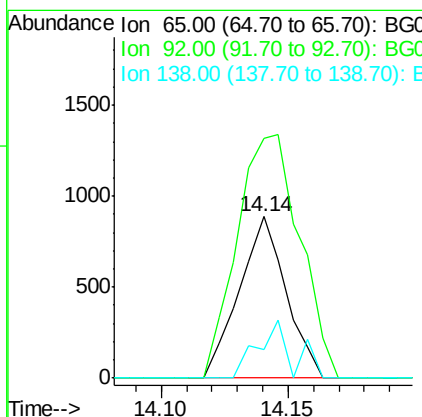
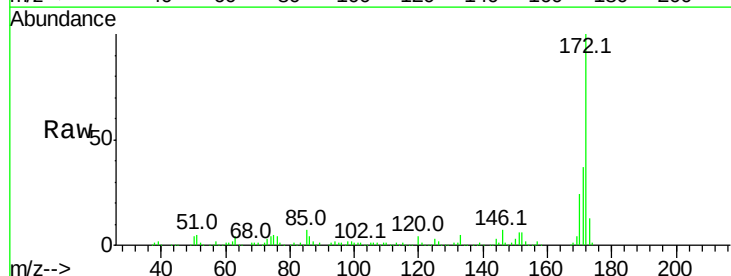
Instrument :
BNA_G
ClientSampled :

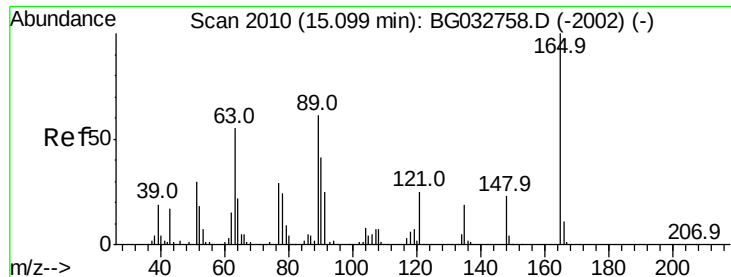
Tot Ion:172 Resp: 609658
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 24.3 19.5 29.3



#47
2-Nitroaniline
Concen: 10.510 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

Tgt Ion: 65 Resp: 1141
Ion Ratio Lower Upper
65 100
92 148.8 54.6 82.0#
138 17.4 72.9 109.3#

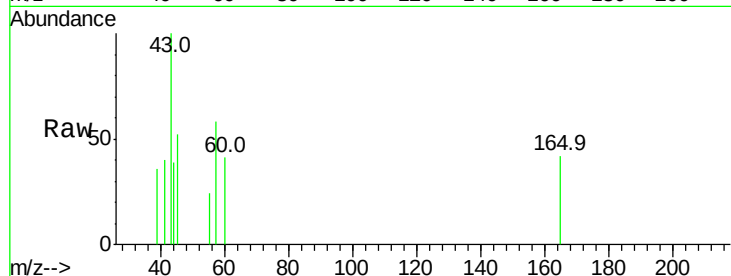




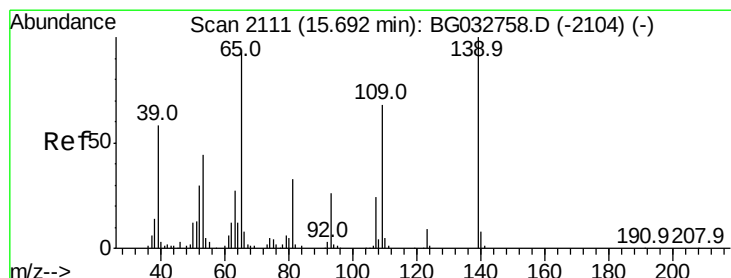
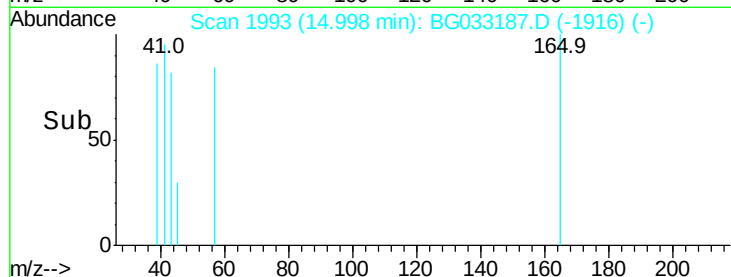
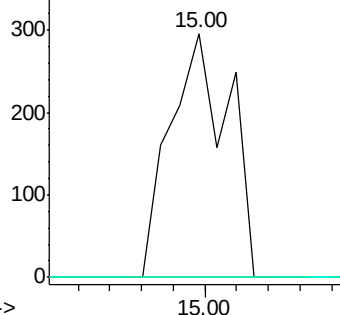
#50
2,6-Dinitrotoluene
Concen: 9.166 ng
RT: 15.00 min Scan# 1993
Delta R.T. -0.08 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 377
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

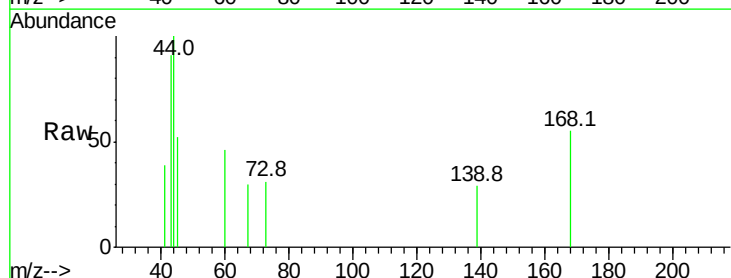


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

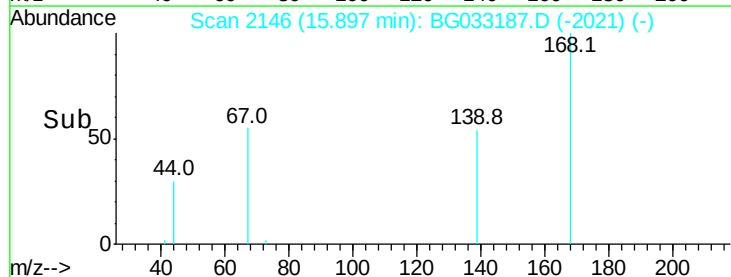
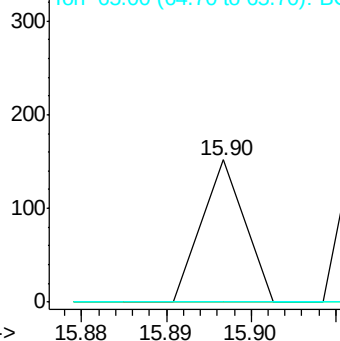


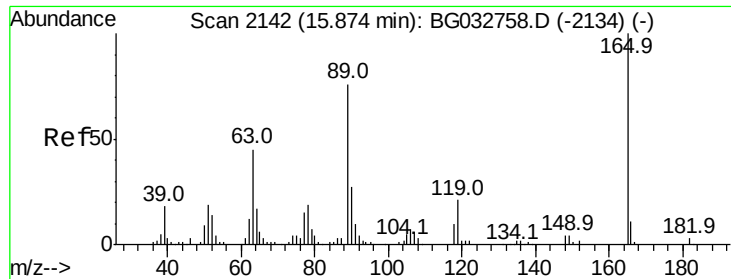
#55
4-Nitrophenol
Concen: 7.124 ng
RT: 15.90 min Scan# 2146
Delta R.T. 0.20 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

Tgt Ion:139 Resp: 54
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

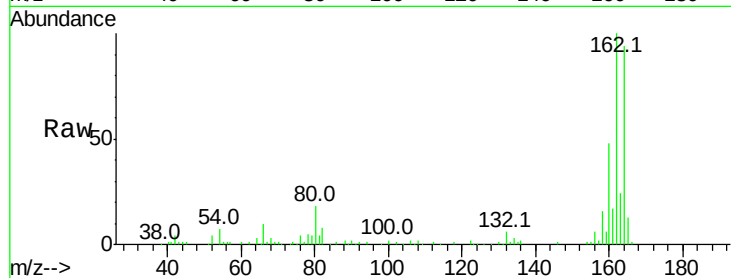




#56
 2,4-Dinitrotoluene
 Concen: 14.911 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033187.D
 Acq: 15 Mar 2018 21:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:	165	Resp:	11010
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.0	66.9	100.3#
182	0.0	2.6	3.8#

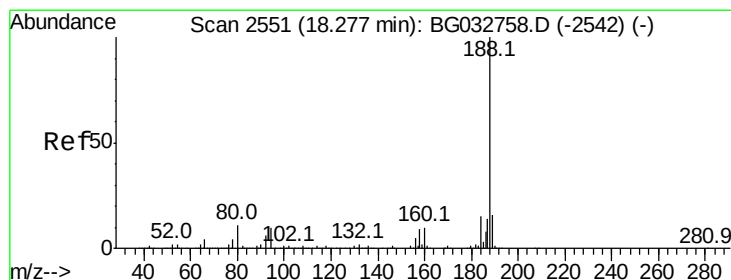
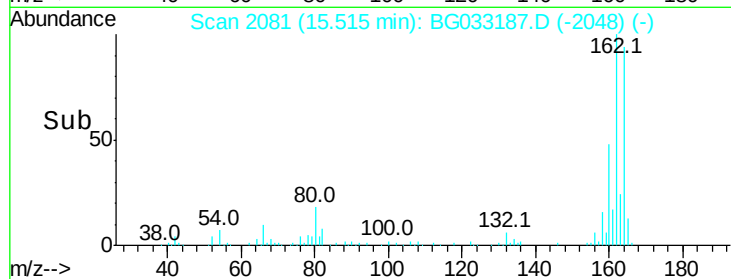
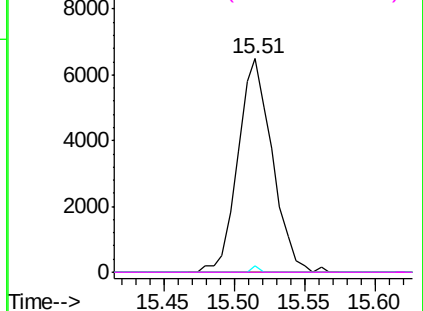


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

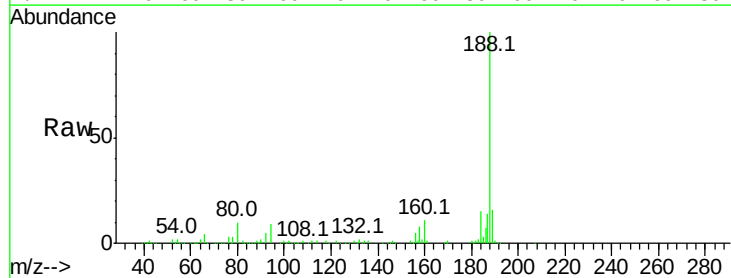
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BG033187.D
 Acq: 15 Mar 2018 21:40

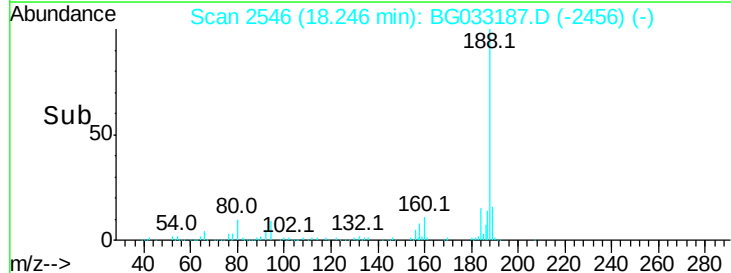
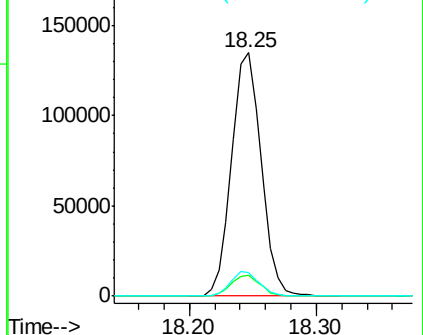
Tgt Ion:	188	Resp:	217825
Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.7	7.7	11.5

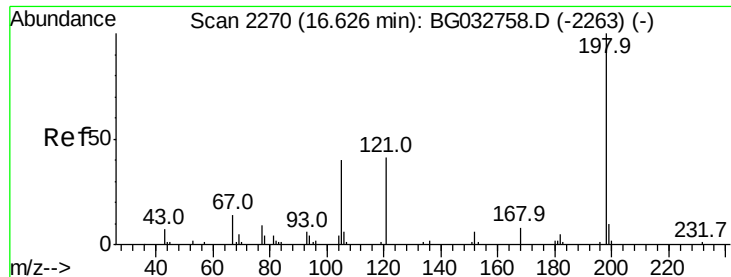


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.055 ng

RT: 16.61 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

Instrument :

BNA_G

ClientSampleId :

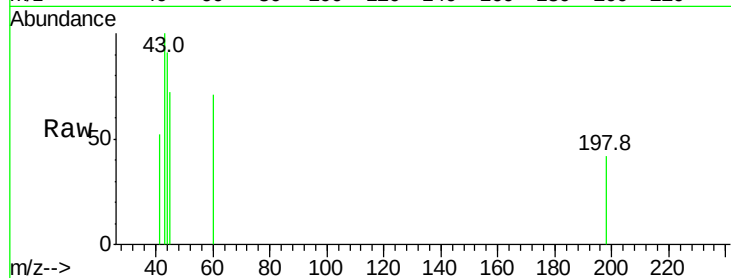
Tot Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

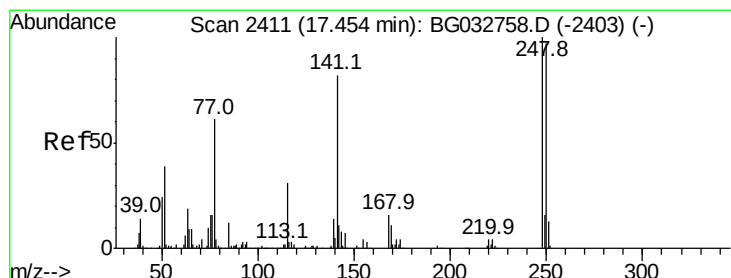
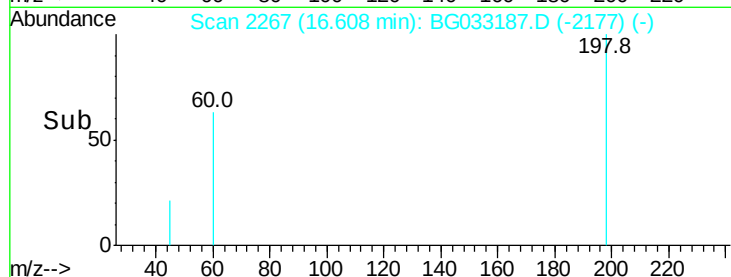
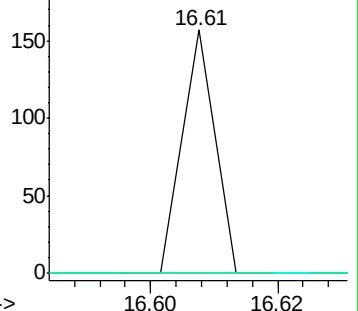
105 0.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 6.543 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033187.D

Acq: 15 Mar 2018 21:40

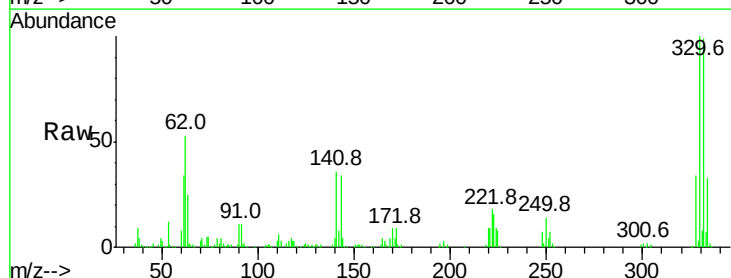
Tgt Ion:248 Resp: 15071

Ion Ratio Lower Upper

248 100

250 197.7 77.1 115.7#

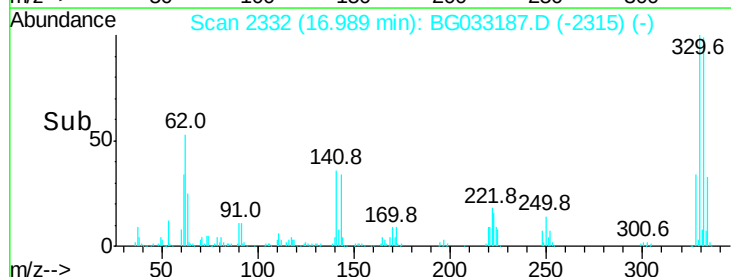
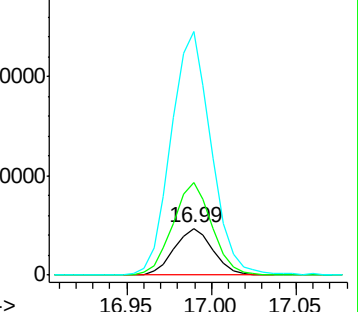
141 516.6 50.8 76.2#

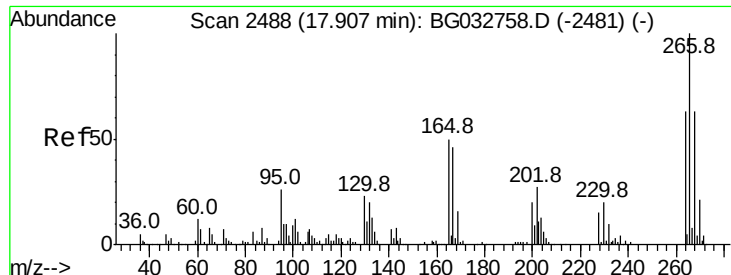


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

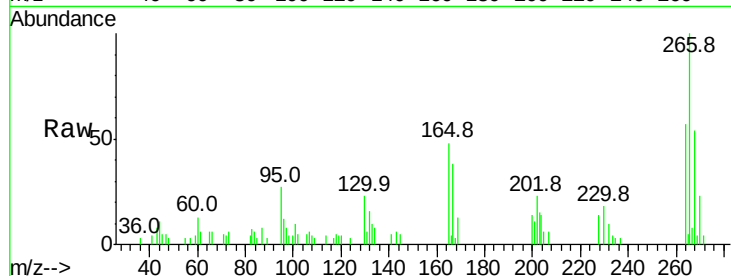




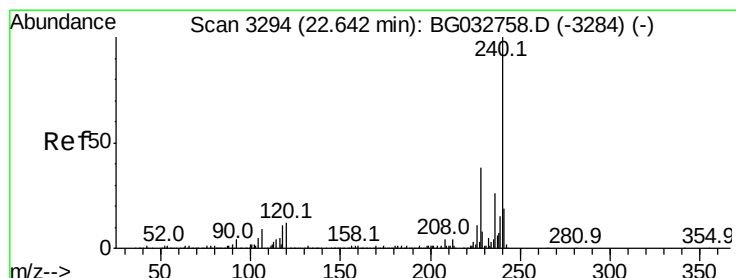
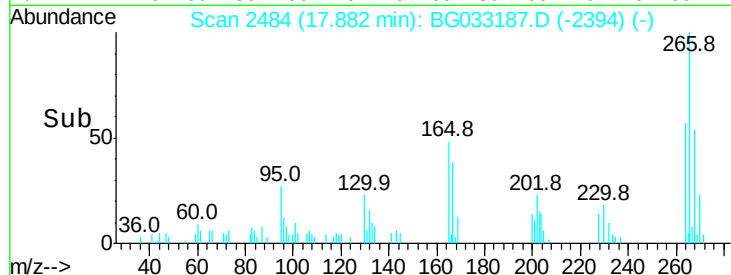
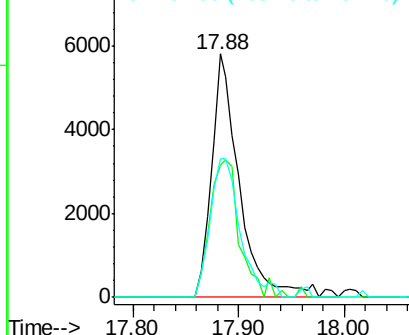
#69
 Pentachlorophenol
 Concen: 6.838 ng
 RT: 17.88 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BG033187.D
 Acq: 15 Mar 2018 21:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:266 Resp: 10721
 Ion Ratio Lower Upper
 266 100
 268 54.4 51.1 76.7
 264 57.1 49.6 74.4

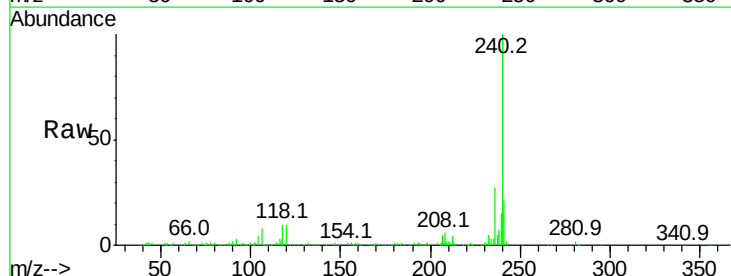


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

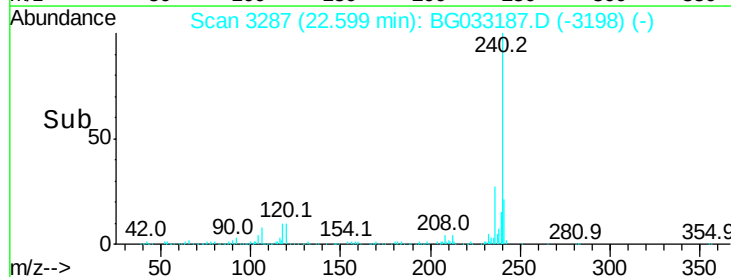
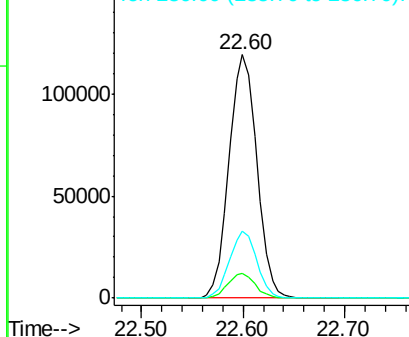


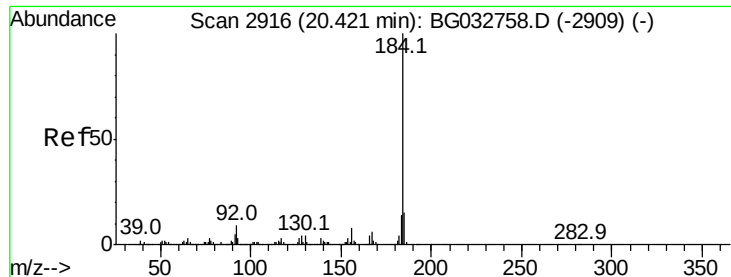
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033187.D
 Acq: 15 Mar 2018 21:40

Tgt Ion:240 Resp: 227861
 Ion Ratio Lower Upper
 240 100
 120 10.0 6.8 10.2
 236 27.5 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

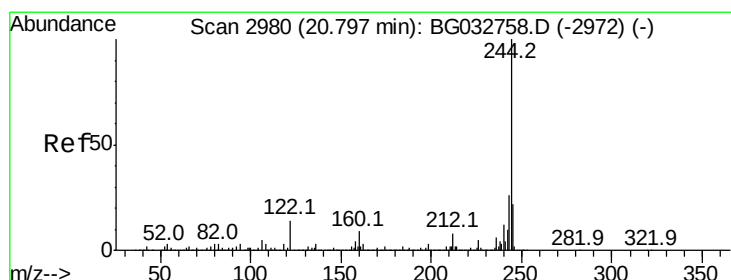
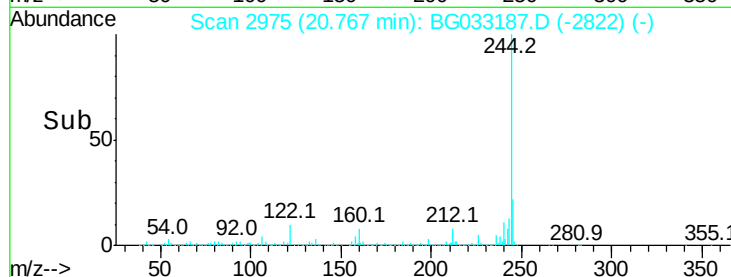
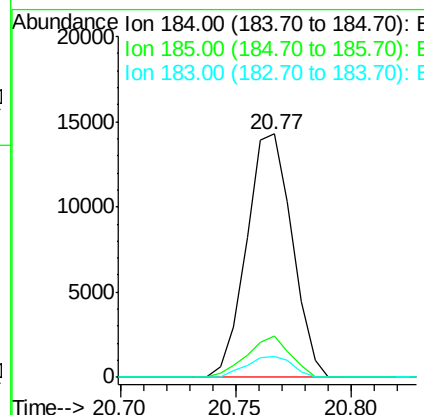
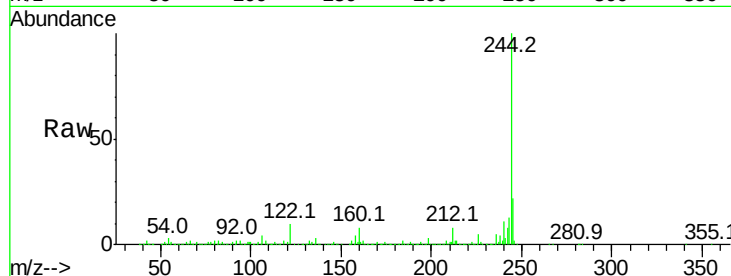




#76
Benzidine
Concen: 2.531 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.37 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

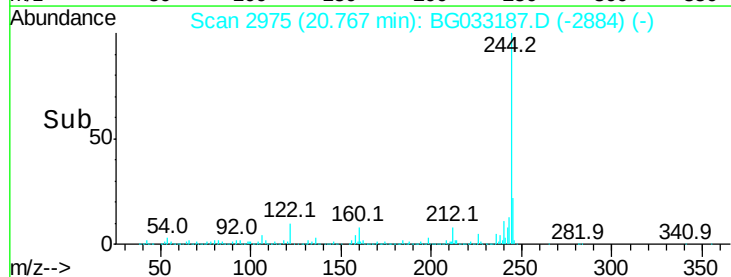
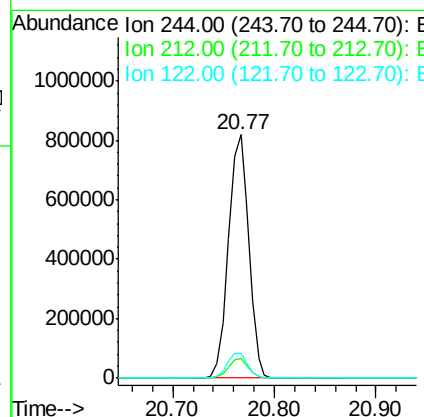
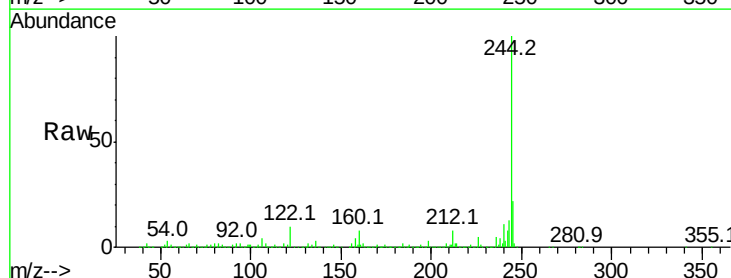
Instrument :
BNA_G
ClientSampleId :

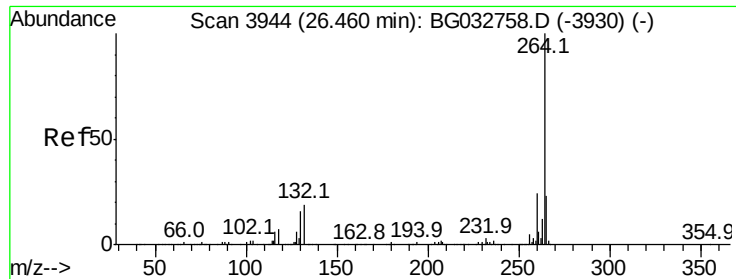
Tot Ion:184 Resp: 19662
Ion Ratio Lower Upper
184 100
185 17.0 11.1 16.7#
183 8.8 10.6 16.0#



#78
Terphenyl-d14
Concen: 112.045 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

Tgt Ion:244 Resp: 1136351
Ion Ratio Lower Upper
244 100
212 8.2 5.8 8.8
122 10.3 7.0 10.4

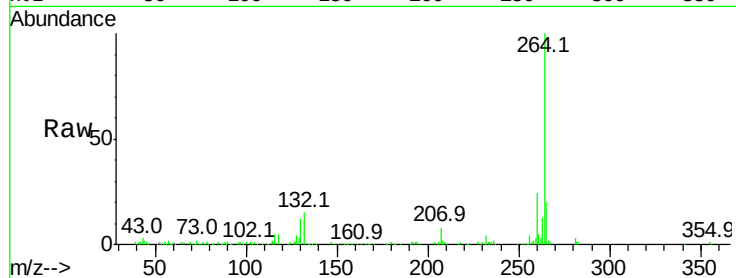




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3935
Delta R.T. -0.00 min
Lab File: BG033187.D
Acq: 15 Mar 2018 21:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	20.0	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

