

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033087.D
 Acq On : 12 Mar 2018 13:38
 Operator : SJ/JU
 Sample : J1868-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 12 15:30:33 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

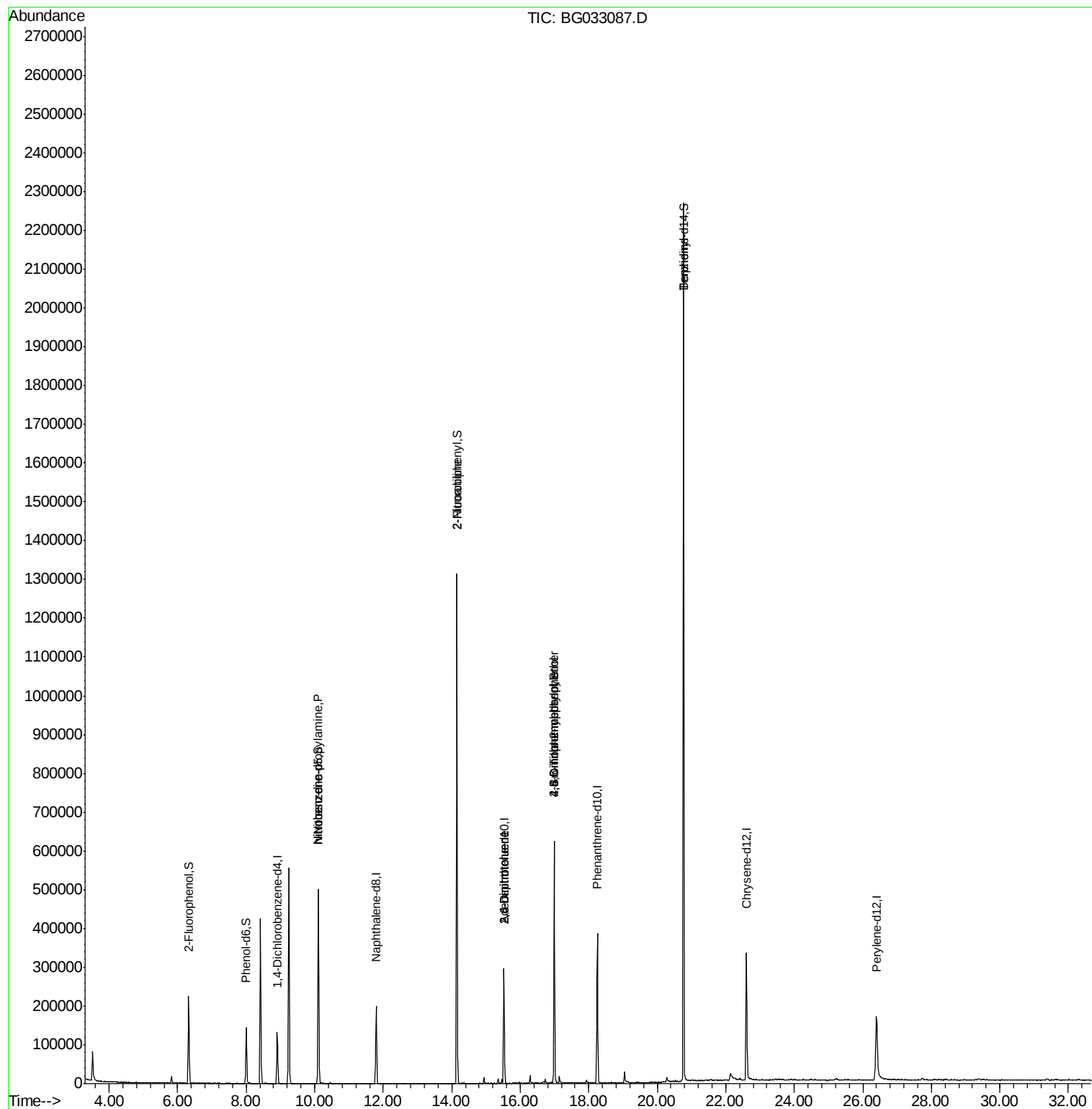
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	39454	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	178957	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	101072	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	238269	20.00	ng	0.00
75) Chrysene-d12	22.60	240	233860	20.00	ng	0.00
86) Perylene-d12	26.40	264	233889	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	104401	42.33	ng	0.00
7) Phenol-d6	8.00	99	86384	25.13	ng	0.00
23) Nitrobenzene-d5	10.10	82	306222	114.81	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	113192	106.51	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	665429	94.95	ng	0.00
78) Terphenyl-d14	20.77	244	1013263	97.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	40736	16.786	ng	# 87
24) Nitrobenzene	10.10	77	879	6.647	ng	# 37
47) 2-Nitroaniline	14.15	65	1170	10.395	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	12573	16.109	ng	# 18
56) 2,4-Dinitrotoluene	15.52	165	12573	14.305	ng	# 16
64) 4,6-Dinitro-2-methylphenol	17.00	198	216	5.334	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	7725	3.066	ng	# 1
76) Benzidine	20.77	184	17099	2.145	ng	# 92

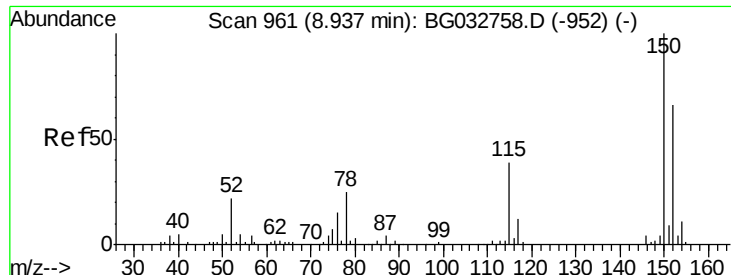
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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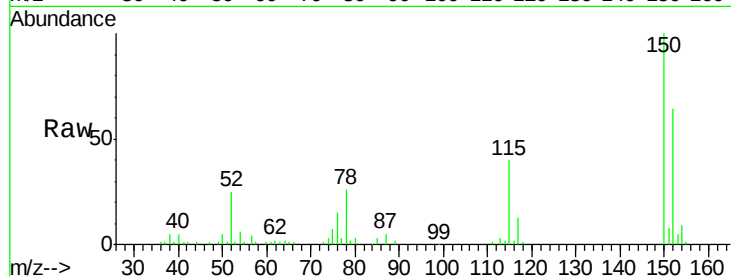


#1

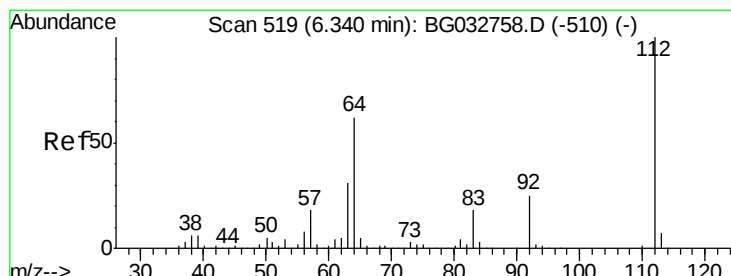
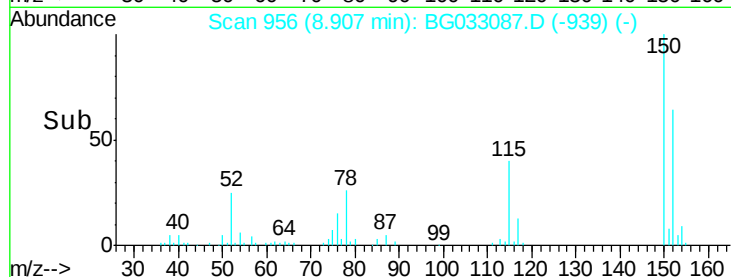
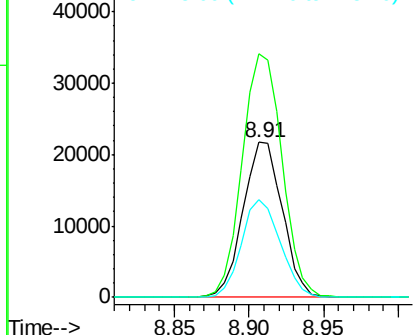
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.00 min
Lab File: BG033087.D
Acq: 12 Mar 2018 13:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 39454
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 63.2 53.0 79.4



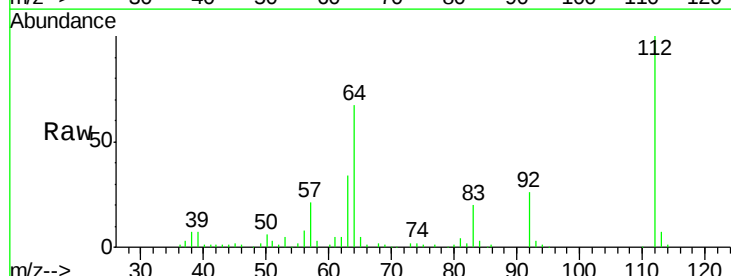
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



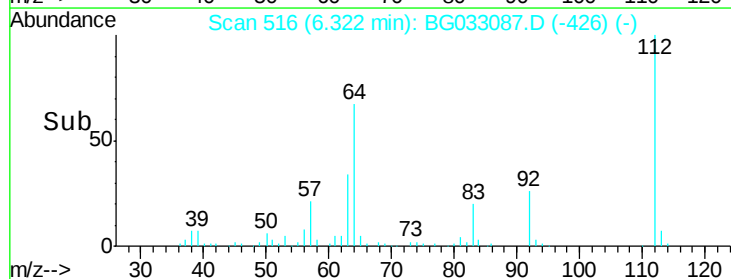
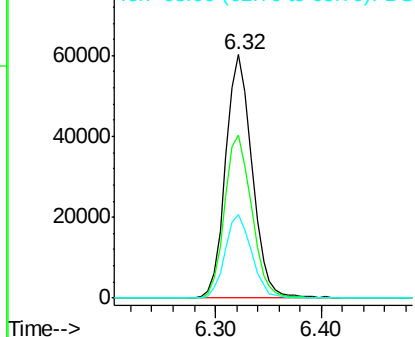
#5

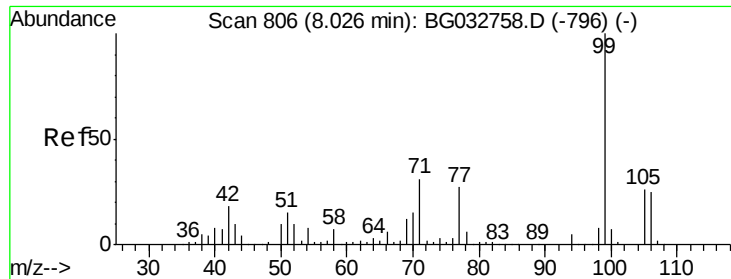
2-Fluorophenol
Concen: 42.334 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033087.D
Acq: 12 Mar 2018 13:38

Tgt Ion:112 Resp: 104401
Ion Ratio Lower Upper
112 100
64 66.7 56.3 84.5
63 34.3 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 25.131 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.00 min

Lab File: BG033087.D

Acq: 12 Mar 2018 13:38

Instrument :

BNA_G

ClientSampleId :

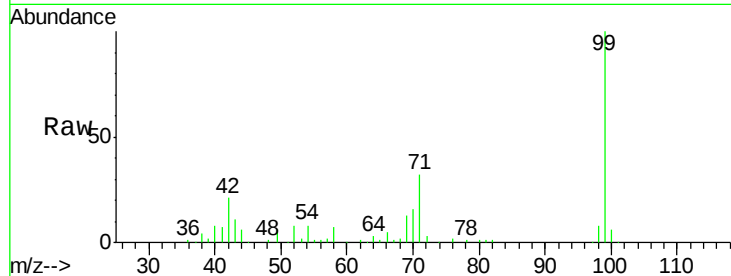
Tot Ion: 99 Resp: 86384

Ion Ratio Lower Upper

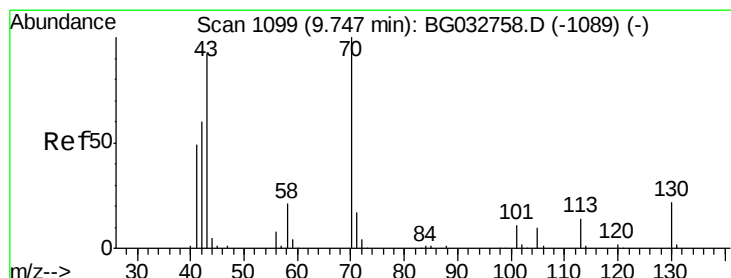
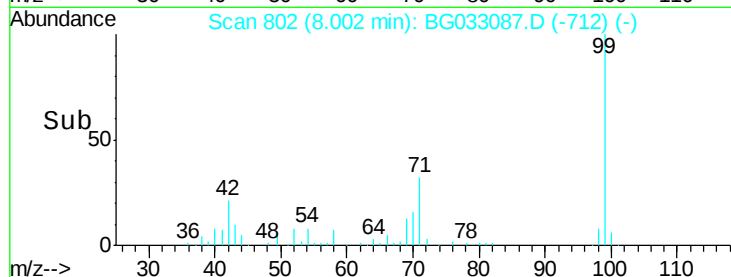
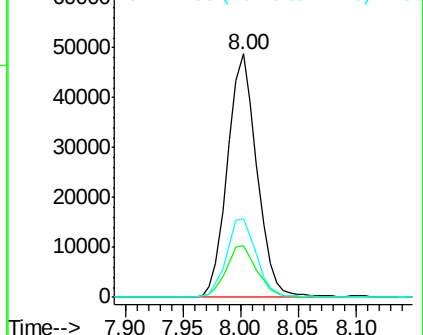
99 100

42 21.4 14.1 21.1#

71 32.3 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: 16.786 ng

RT: 10.10 min Scan# 1160

Delta R.T. 0.39 min

Lab File: BG033087.D

Acq: 12 Mar 2018 13:38

Tgt Ion: 70 Resp: 40736

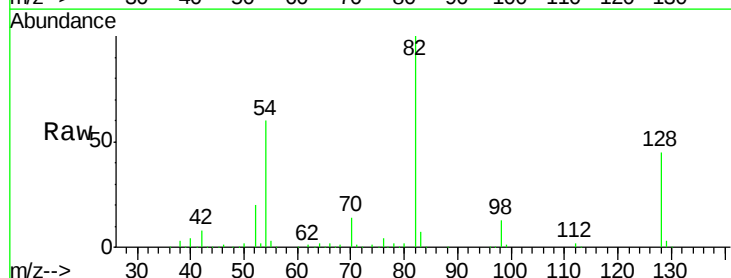
Ion Ratio Lower Upper

70 100

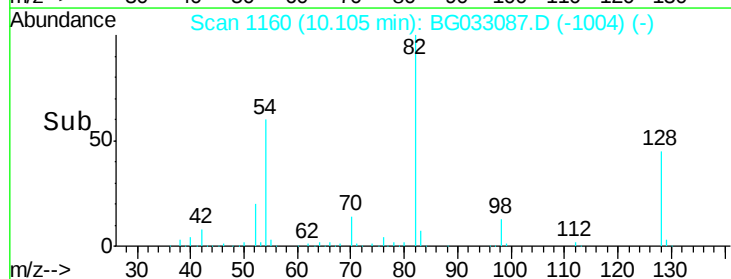
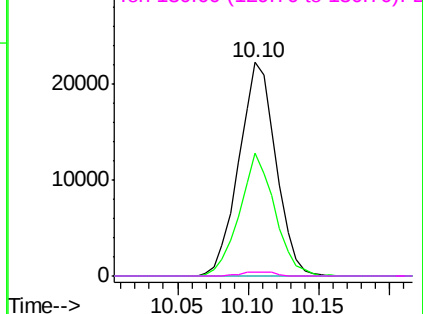
42 57.4 49.1 73.7

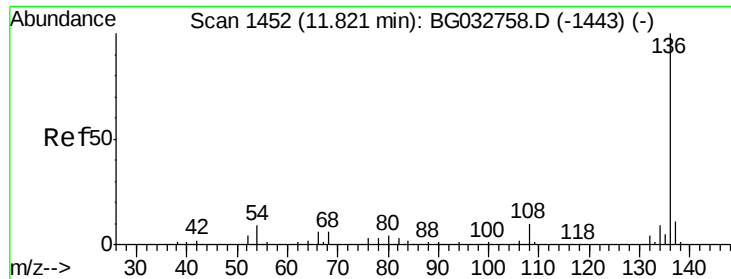
101 0.0 8.5 12.7#

130 2.1 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

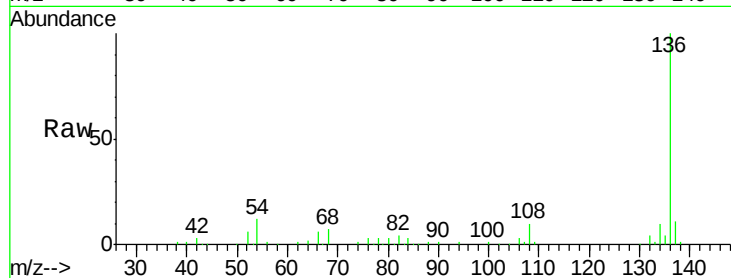




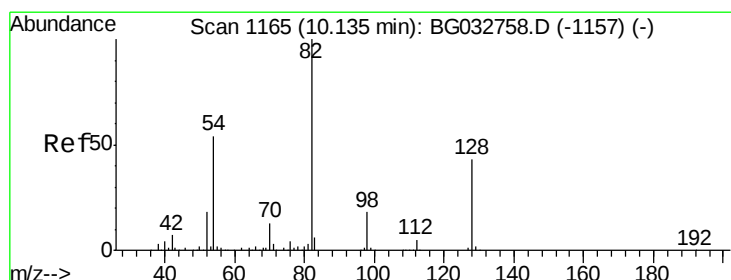
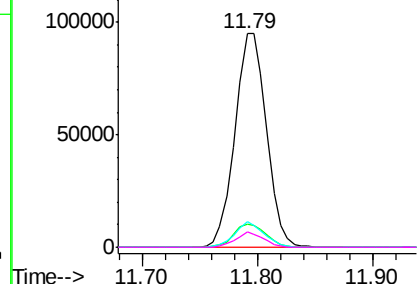
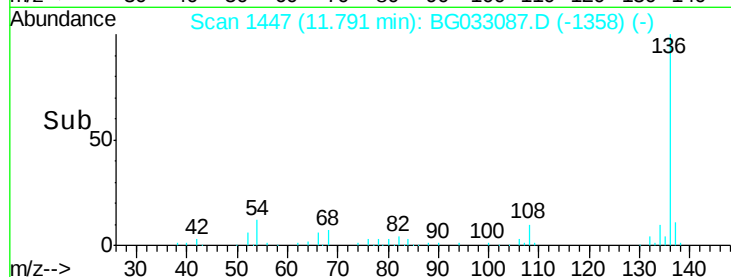
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BG033087.D
Acq: 12 Mar 2018 13:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	178957
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	11.8	10.3 15.5
68	7.0	4.5 6.7#

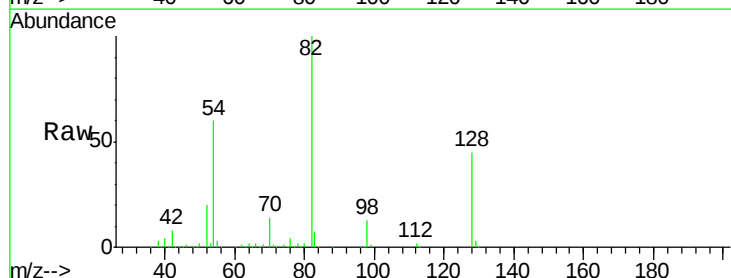


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

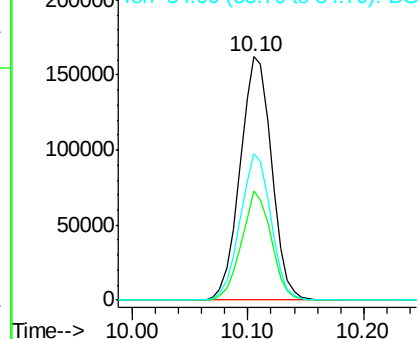
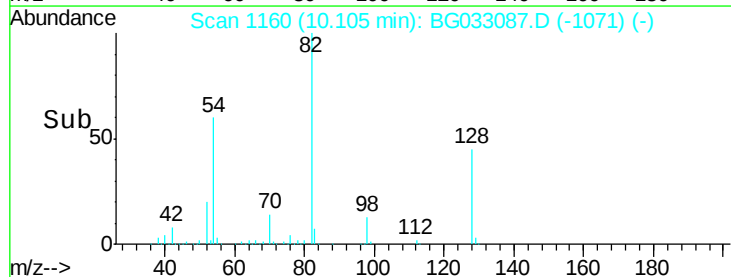


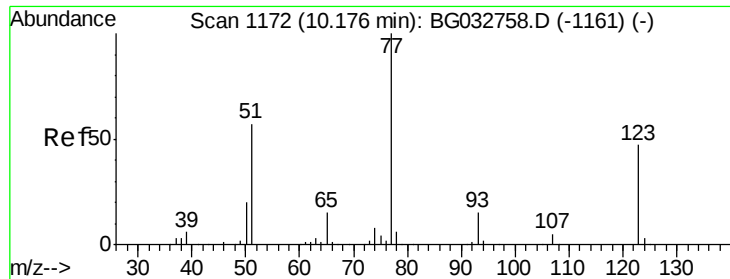
#23
Nitrobenzene-d5
Concen: 114.810 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BG033087.D
Acq: 12 Mar 2018 13:38

Tgt Ion: 82	Resp:	306222
Ion Ratio	Lower	Upper
82	100	
128	44.6	29.7 44.5#
54	60.4	43.1 64.7



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

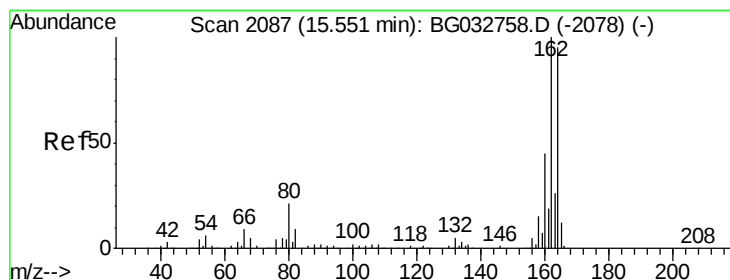
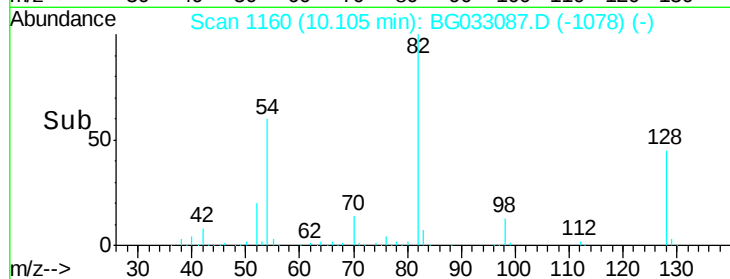
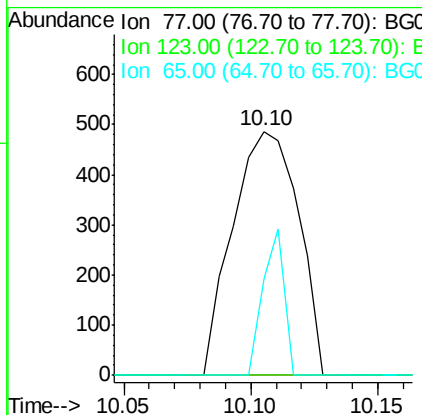
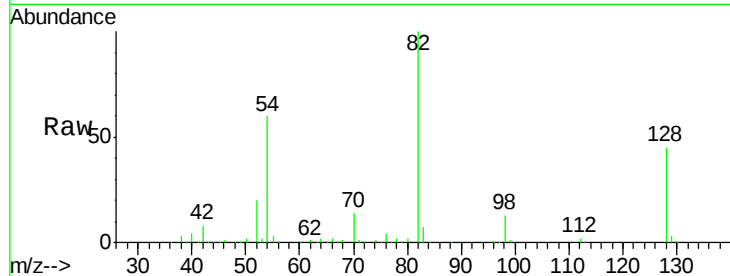




#24
Nitrobenzene
Concen: 6.647 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BG033087.D
Acq: 12 Mar 2018 13:38

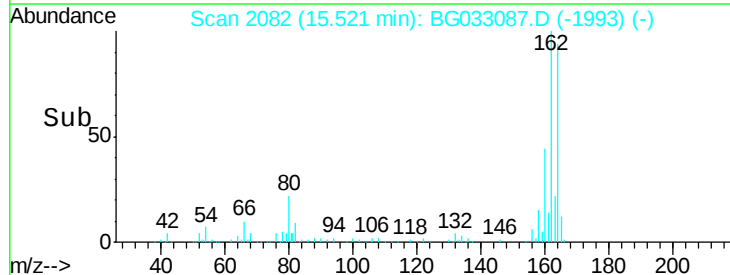
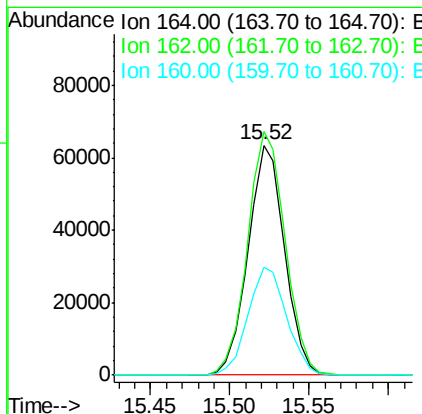
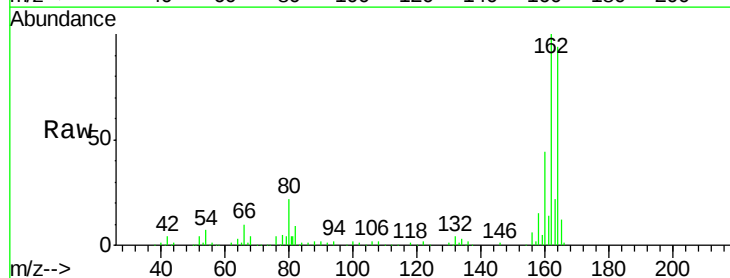
Instrument :
BNA_G
ClientSampled :

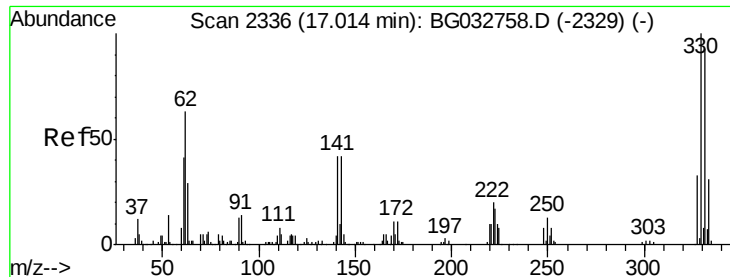
Tot Ion: 77 Resp: 879
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 39.7 13.0 19.6#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BG033087.D
Acq: 12 Mar 2018 13:38

Tgt Ion:164 Resp: 101072
Ion Ratio Lower Upper
164 100
162 106.1 78.8 118.2
160 46.9 35.4 53.0

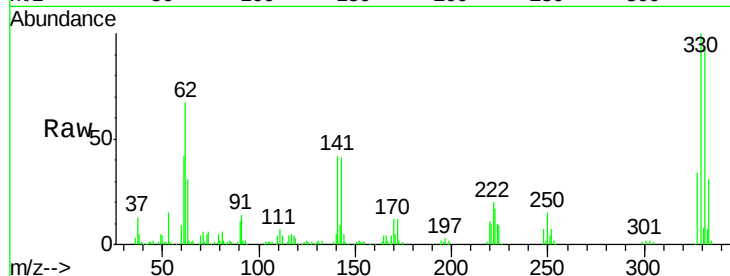




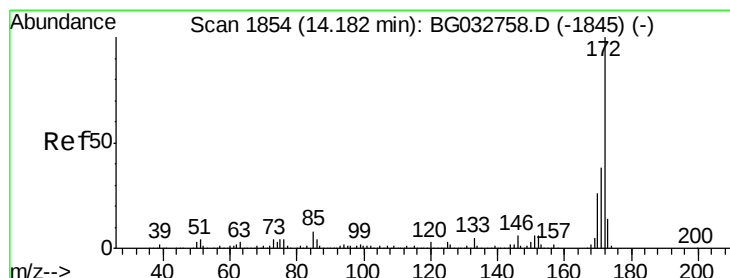
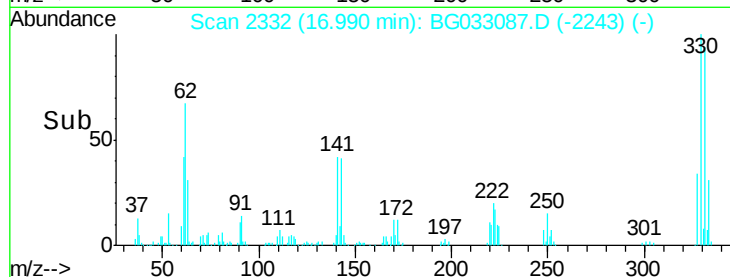
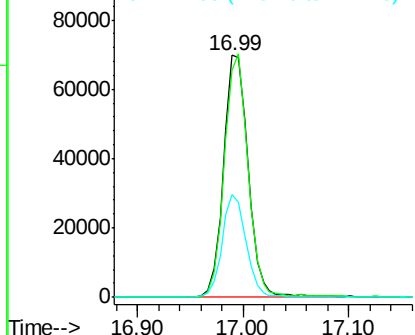
#41
 2,4,6-Tribromophenol
 Concen: 106.510 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.01 min
 Lab File: BG033087.D
 Acq: 12 Mar 2018 13:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	41.3	25.2	37.8#

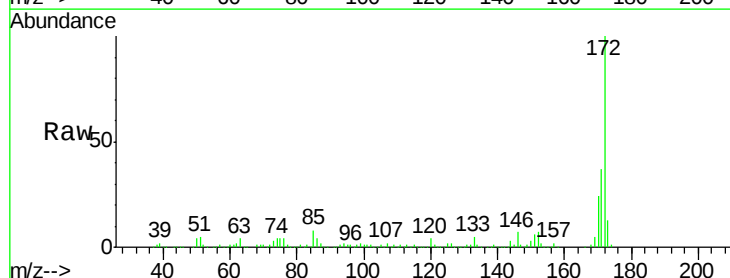


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

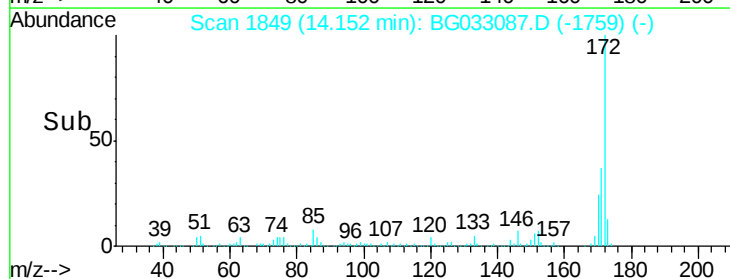
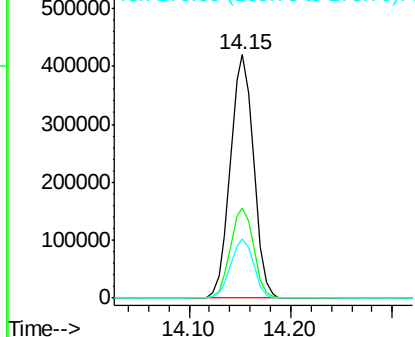


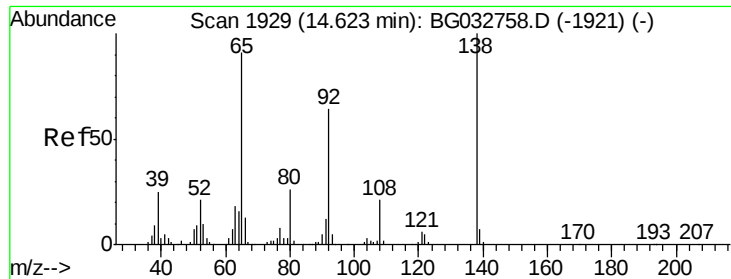
#44
 2-Fluorobiphenyl
 Concen: 94.954 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033087.D
 Acq: 12 Mar 2018 13:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	24.5	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





#47

2-Nitroaniline

Concen: 10.395 ng

RT: 14.15 min Scan# 1849

Delta R.T. -0.45 min

Lab File: BG033087.D

Acq: 12 Mar 2018 13:38

Instrument :

BNA_G

ClientSampled :

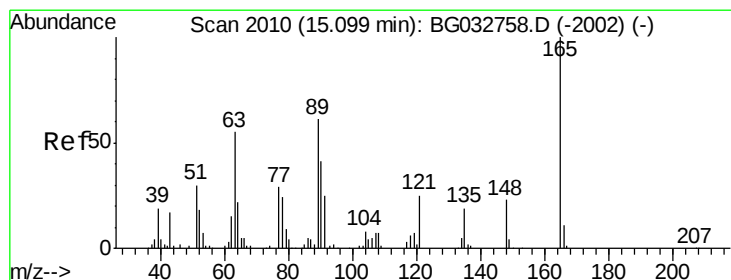
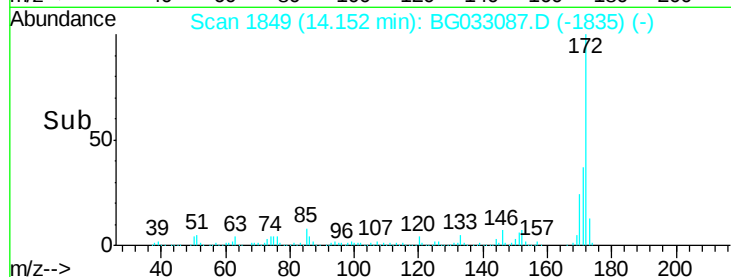
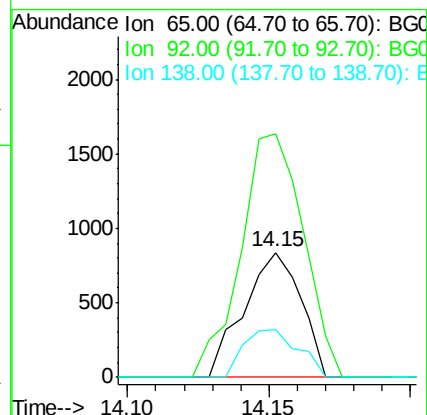
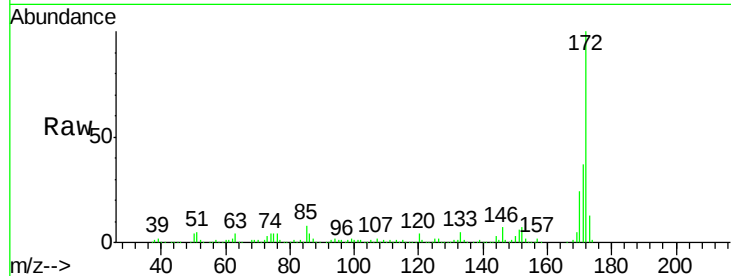
Tot Ion: 65 Resp: 1170

Ion Ratio Lower Upper

65 100

92 195.2 54.6 82.0#

138 38.1 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 16.109 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.44 min

Lab File: BG033087.D

Acq: 12 Mar 2018 13:38

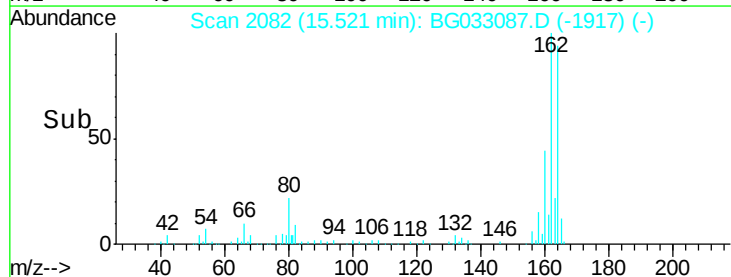
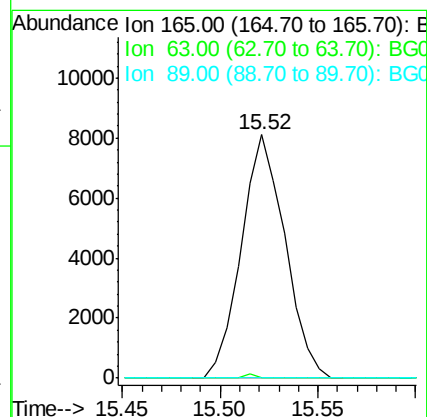
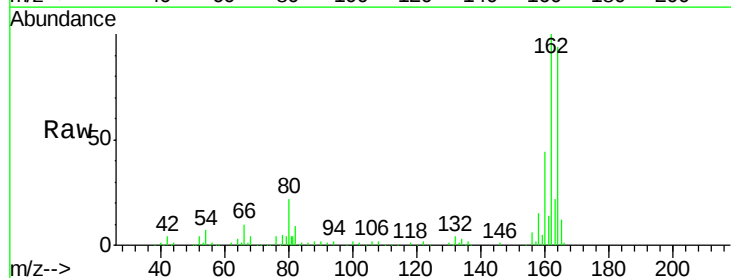
Tgt Ion: 165 Resp: 12573

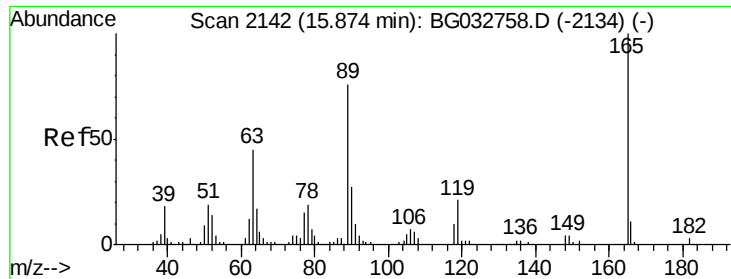
Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

89 0.0 49.2 73.8#

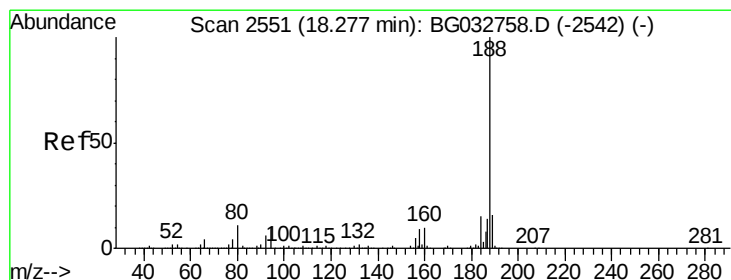
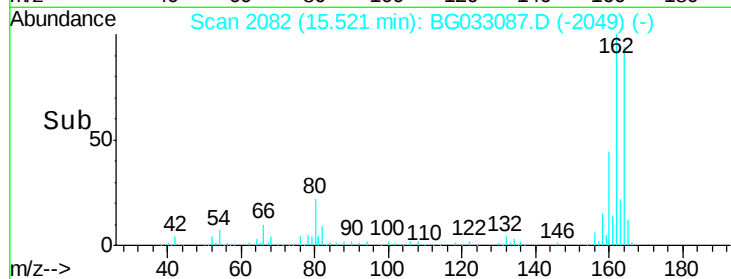
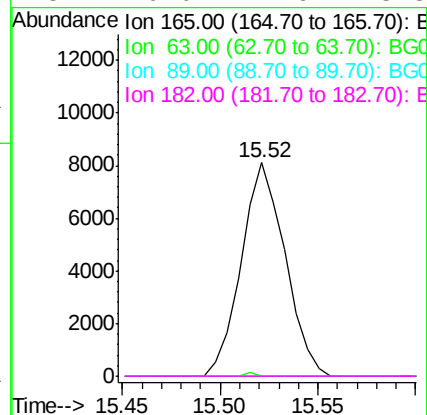
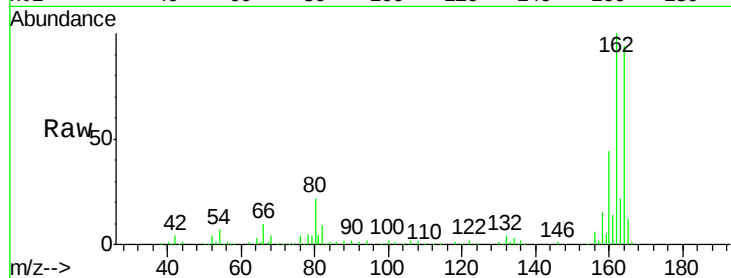




#56
 2,4-Dinitrotoluene
 Concen: 14.305 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. -0.34 min
 Lab File: BG033087.D
 Acq: 12 Mar 2018 13:38

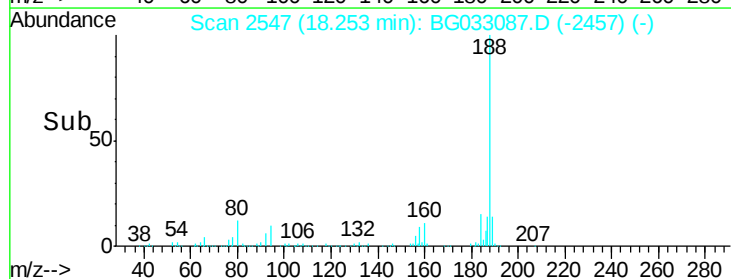
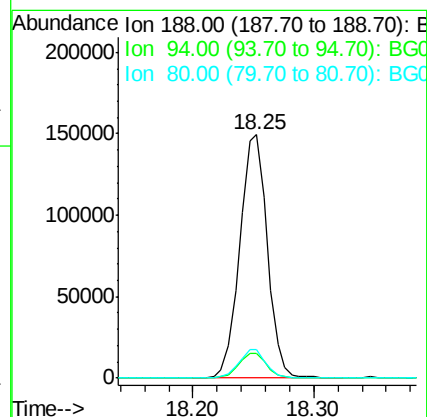
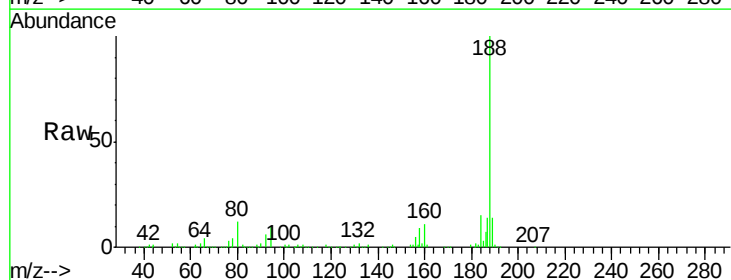
Instrument :
 BNA_G
 ClientSampleId :

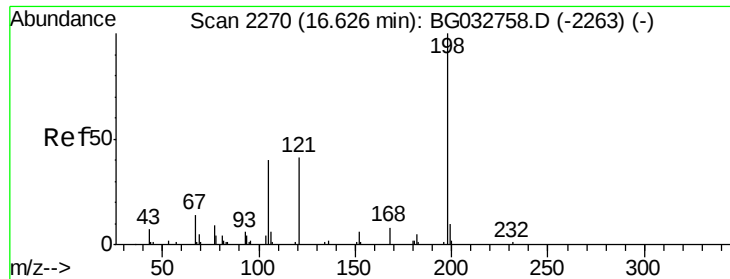
Tot Ion:165	Resp:	12573
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	0.0	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033087.D
 Acq: 12 Mar 2018 13:38

Tgt Ion:188	Resp:	238269
Ion Ratio	Lower	Upper
188	100	
94	10.0	6.9 10.3
80	11.9	7.7 11.5#

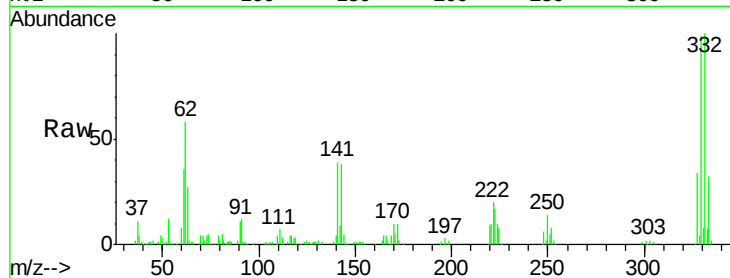




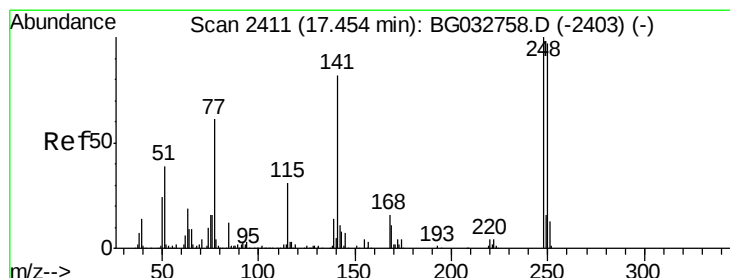
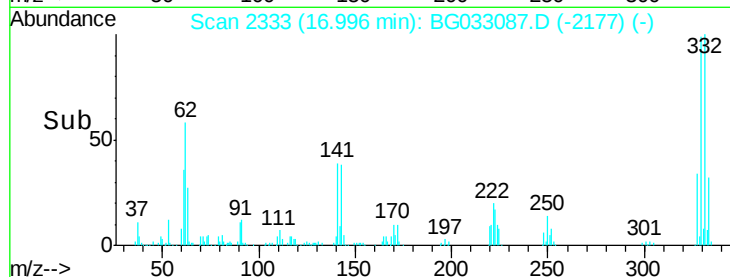
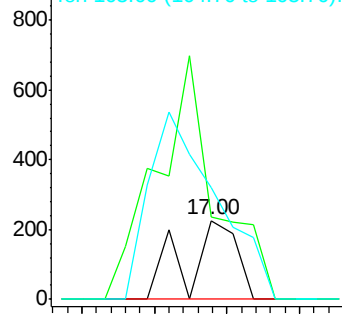
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.334 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. 0.39 min
 Lab File: BG033087.D
 Acq: 12 Mar 2018 13:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 216
 Ion Ratio Lower Upper
 198 100
 51 105.3 30.6 70.6#
 105 142.7 23.8 63.8#

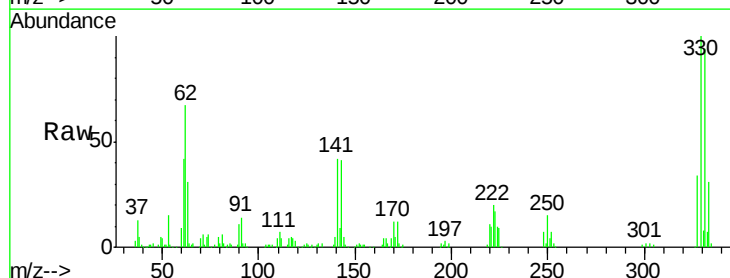


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

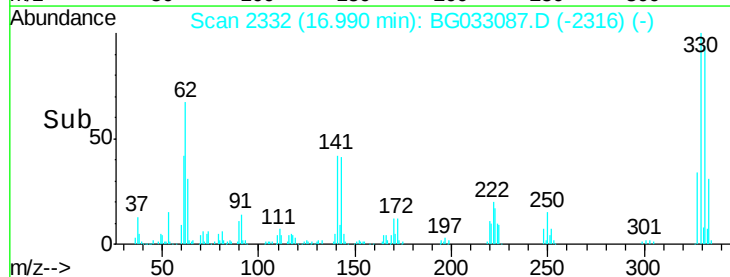
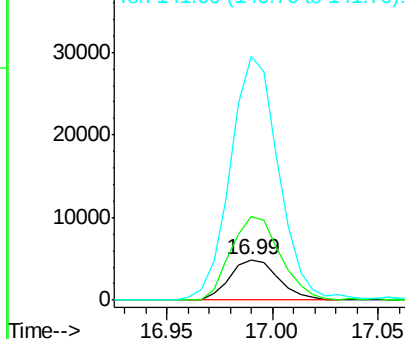


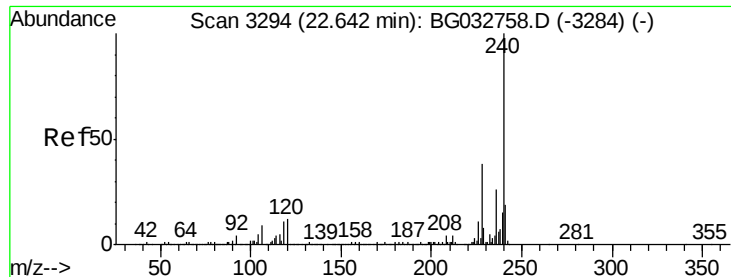
#66
 4-Bromophenyl-phenylether
 Concen: 3.066 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.44 min
 Lab File: BG033087.D
 Acq: 12 Mar 2018 13:38

Tgt Ion:248 Resp: 7725
 Ion Ratio Lower Upper
 248 100
 250 205.3 77.1 115.7#
 141 598.0 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: 22.60 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BG033087.D

Acq: 12 Mar 2018 13:38

Instrument :

BNA_G

ClientSampleId :

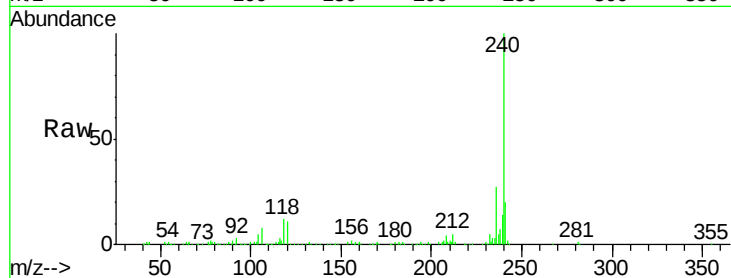
Tot Ion:240 Resp: 233860

Ion Ratio Lower Upper

240 100

120 11.5 6.8 10.2#

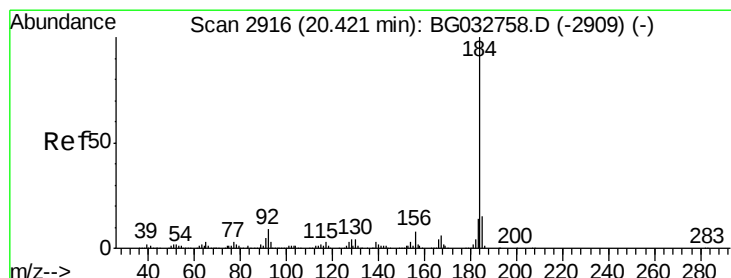
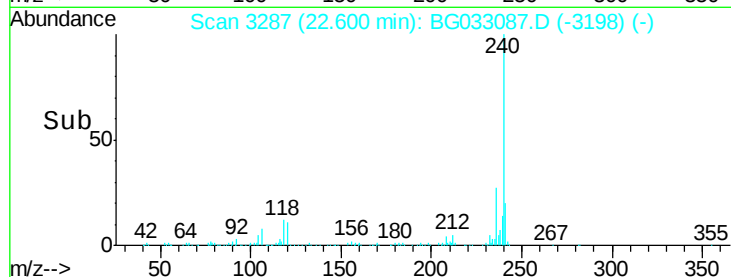
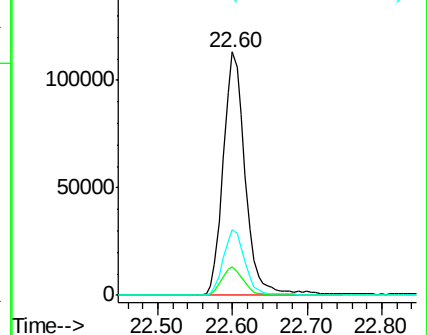
236 26.8 20.9 31.3



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: 2.145 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.36 min

Lab File: BG033087.D

Acq: 12 Mar 2018 13:38

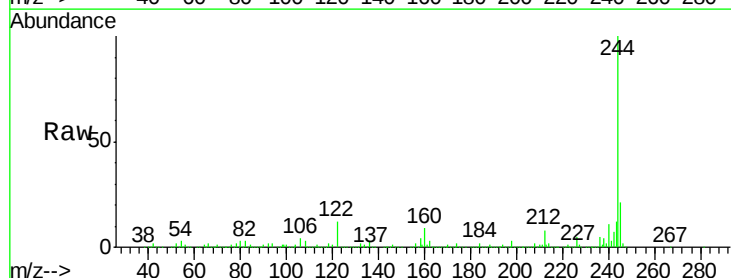
Tgt Ion:184 Resp: 17099

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

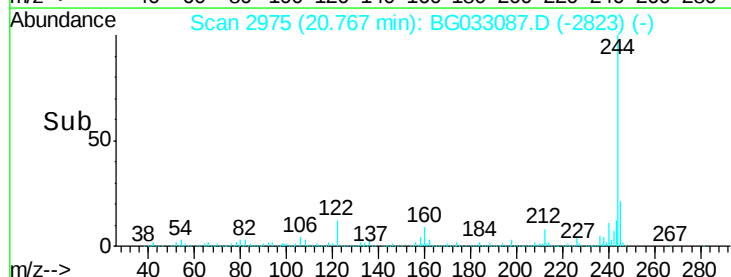
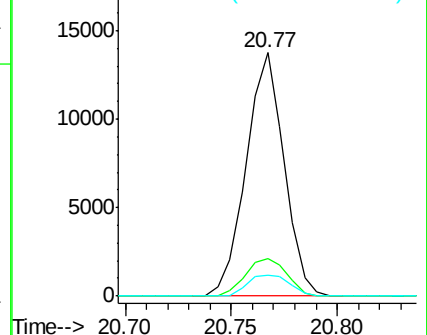
183 8.8 10.6 16.0#

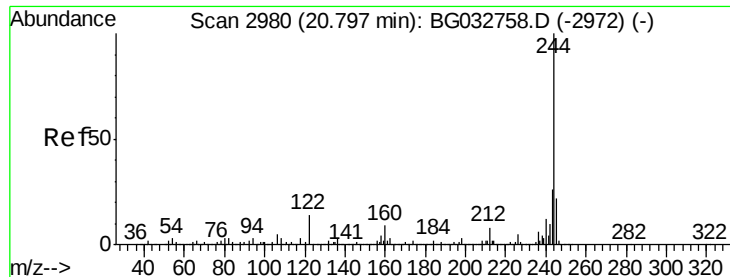


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.346 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033087.D

Acq: 12 Mar 2018 13:38

Instrument :

BNA_G

ClientSampleId :

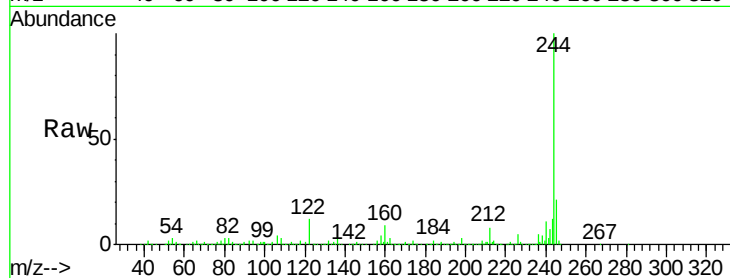
Tot Ion:244 Resp: 1013263

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

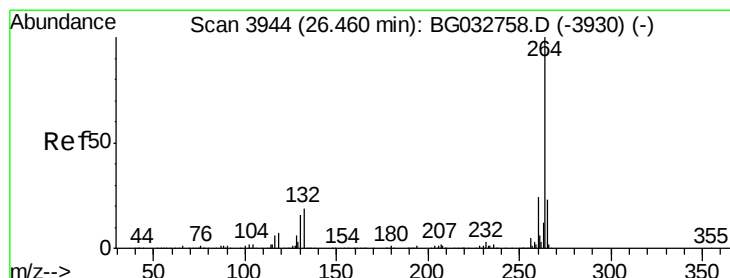
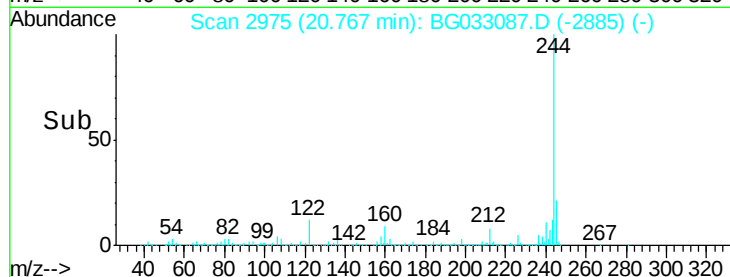
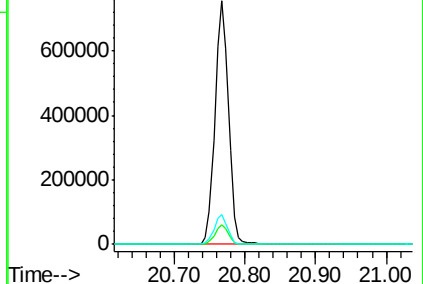
122 12.2 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033087.D

Acq: 12 Mar 2018 13:38

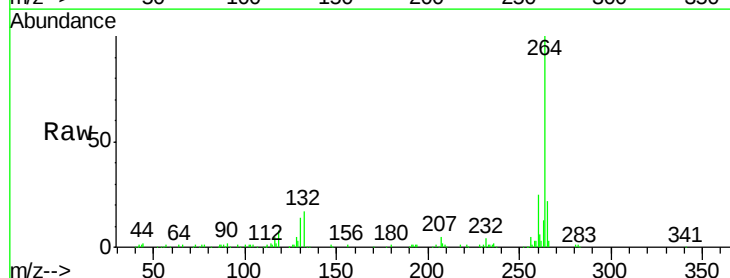
Tgt Ion:264 Resp: 233889

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.0

265 21.9 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

