

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032667.D
 Acq On : 13 Feb 2018 19:13
 Operator : SJ/JU
 Sample : J1397-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 03:07:06 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.67	152	33834	20.00	ng	0.00
21) Naphthalene-d8	11.55	136	138969	20.00	ng	0.00
38) Acenaphthene-d10	15.31	164	100824	20.00	ng	0.00
63) Phenanthrene-d10	18.04	188	269123	20.00	ng	0.00
75) Chrysene-d12	22.37	240	340042	20.00	ng	0.00
86) Perylene-d12	26.01	264	349236	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.12	112	246086	145.93	ng	0.00
7) Phenol-d6	7.79	99	272494	118.17	ng	0.00
23) Nitrobenzene-d5	9.87	82	215952	98.76	ng	0.00
41) 2,4,6-Tribromophenol	16.79	330	209619	135.02	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	754050	93.53	ng	0.00
78) Terphenyl-d14	20.59	244	1510974	101.28	ng	0.00

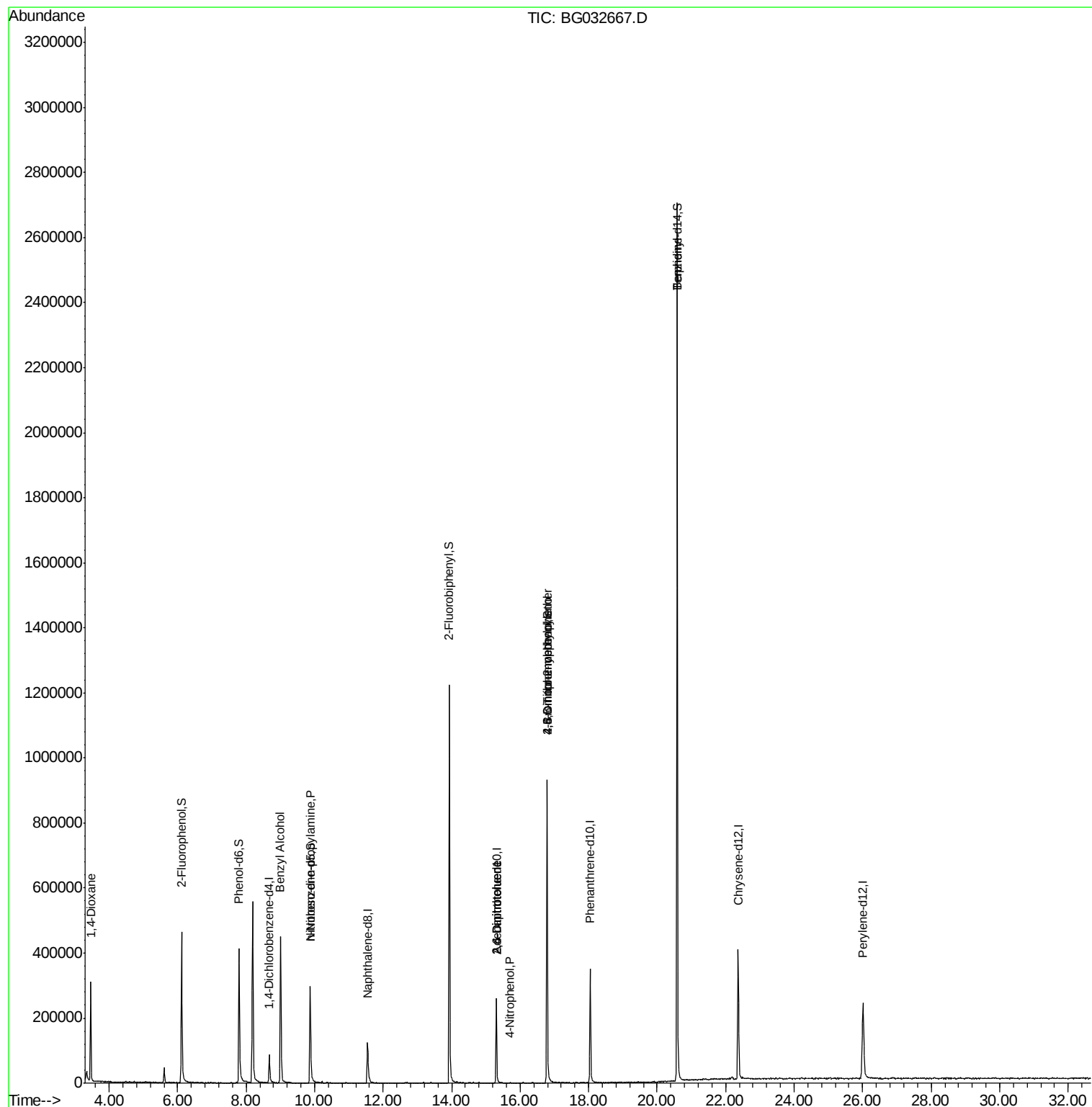
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.46	88	3092	4.38	ng	# 1
15) Benzyl Alcohol	9.00	79	3531	2.04	ng	# 11
19) n-Nitroso-di-n-propylamine	9.87	70	31172	20.11	ng	# 82
50) 2,6-Dinitrotoluene	15.31	165	12765	7.11	ng	# 22
55) 4-Nitrophenol	15.70	139	129	5.59	ng	# 1
56) 2,4-Dinitrotoluene	15.31	165	12765	5.16	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.79	198	735	5.36	ng	# 53
66) 4-Bromophenyl-phenylether	16.79	248	18875	4.90	ng	# 1
76) Benzidine	20.58	184	23346	2.92	ng	# 89

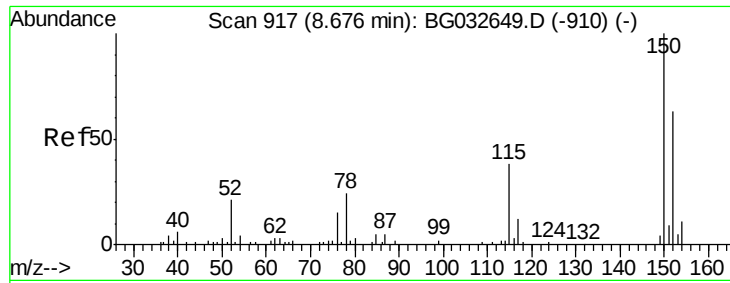
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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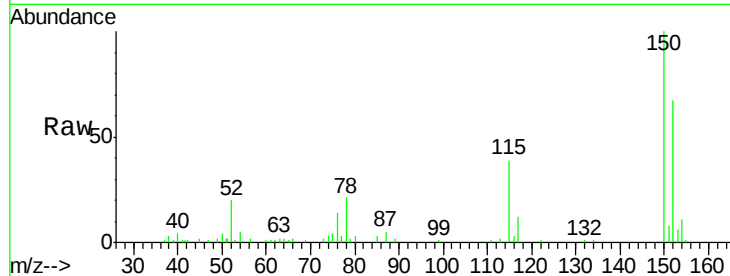


#1

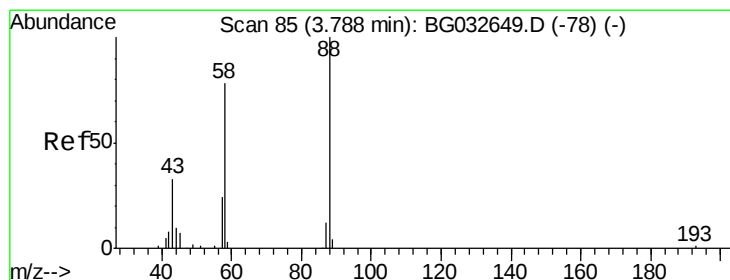
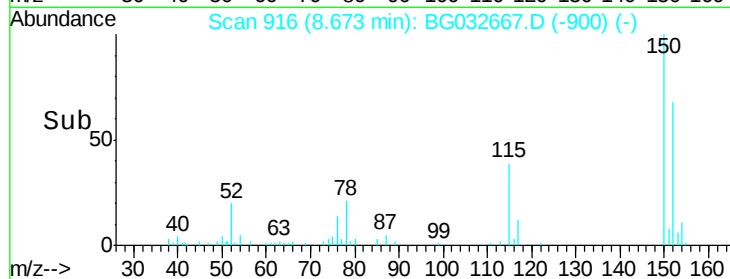
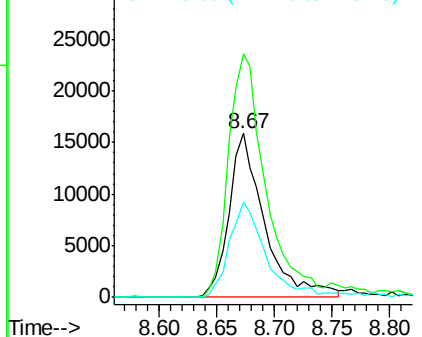
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.67 min Scan# 916
Delta R.T. -0.00 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33834
Ion Ratio Lower Upper
152 100
150 148.5 126.6 189.8
115 57.9 53.0 79.4



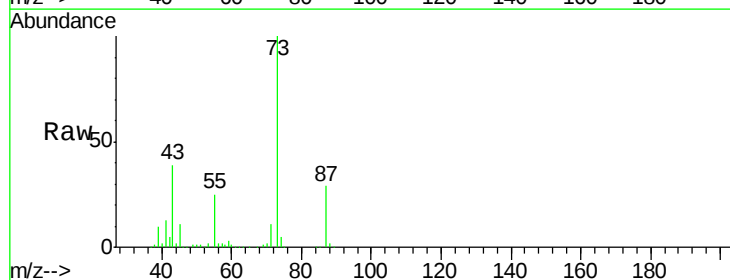
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



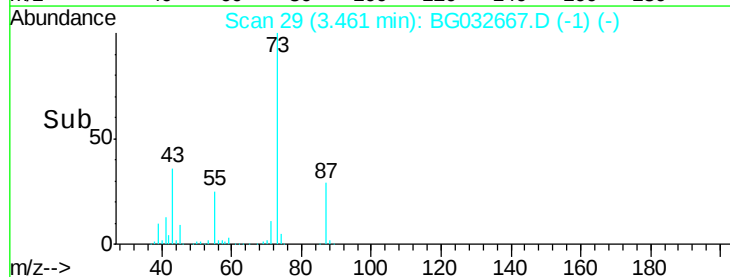
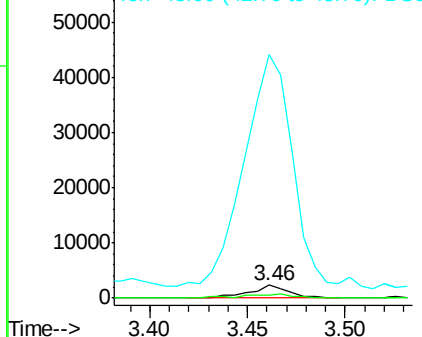
#2

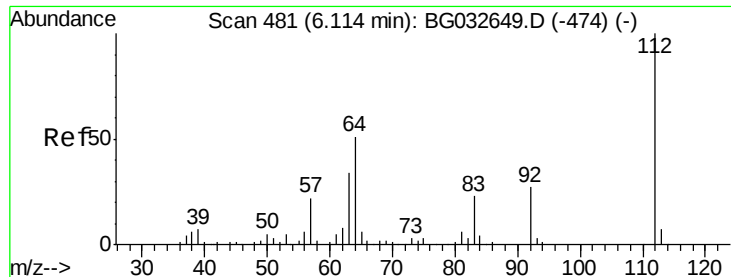
1,4-Dioxane
Concen: 4.38 ng
RT: 3.46 min Scan# 29
Delta R.T. -0.33 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Tgt Ion: 88 Resp: 3092
Ion Ratio Lower Upper
88 100
58 39.1 79.6 119.4#
43 2411.6 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 145.93 ng

RT: 6.12 min Scan# 481

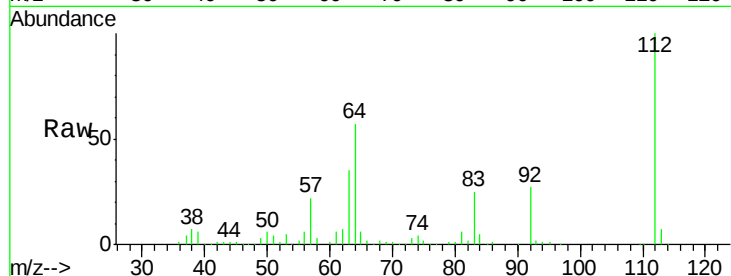
Delta R.T. 0.00 min

Lab File: BG032667.D

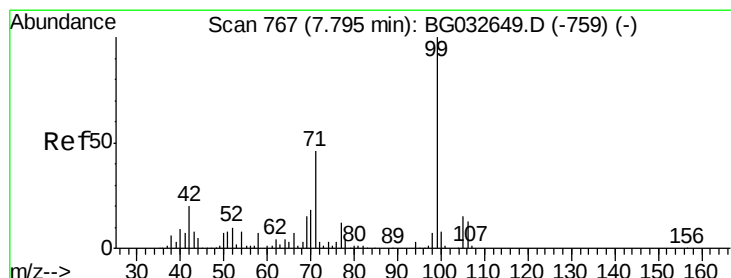
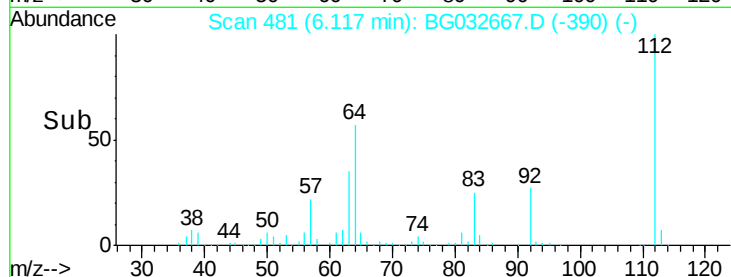
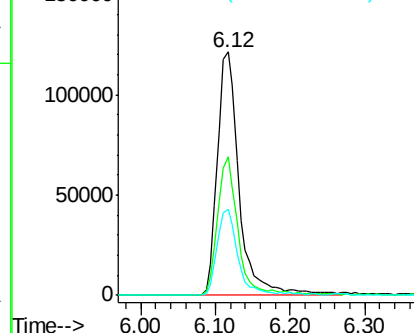
Acq: 13 Feb 2018 19:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	112	Resp:	246086
Ion	Ratio	Lower	Upper
112	100		
64	56.9	56.3	84.5
63	35.5	30.1	45.1



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



#7

Phenol-d6

Concen: 118.17 ng

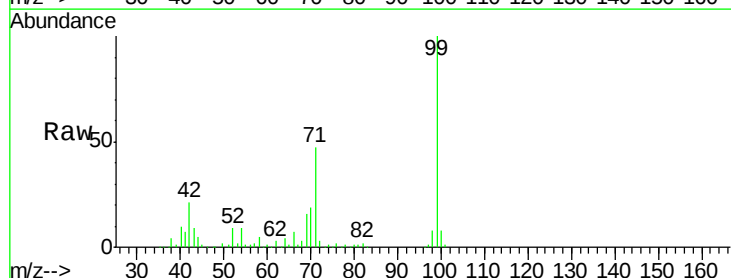
RT: 7.79 min Scan# 766

Delta R.T. -0.00 min

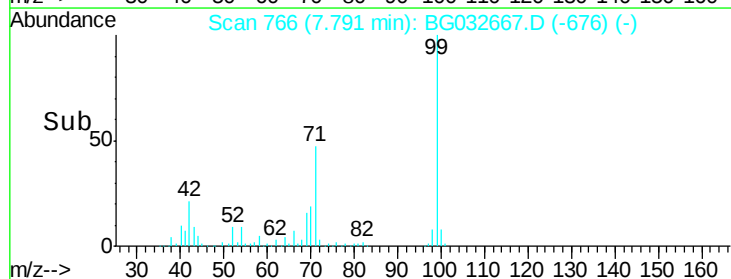
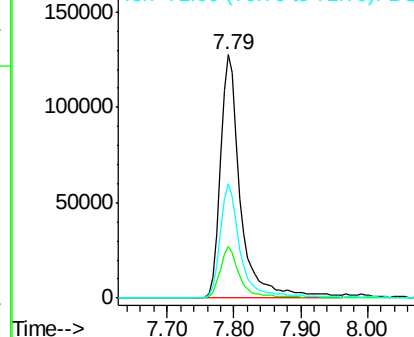
Lab File: BG032667.D

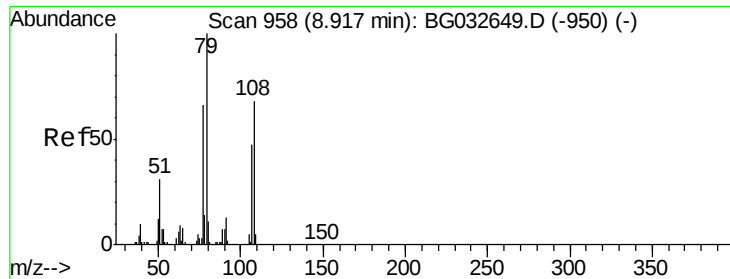
Acq: 13 Feb 2018 19:13

Tgt Ion:	99	Resp:	272494
Ion	Ratio	Lower	Upper
99	100		
42	21.3	14.1	21.1#
71	46.8	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: 2.04 ng

RT: 9.00 min Scan# 972

Delta R.T. 0.08 min

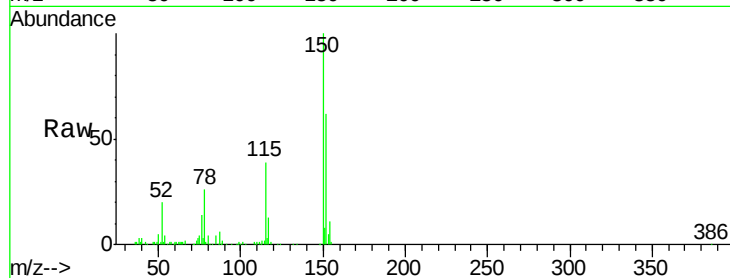
Lab File: BG032667.D

Acq: 13 Feb 2018 19:13

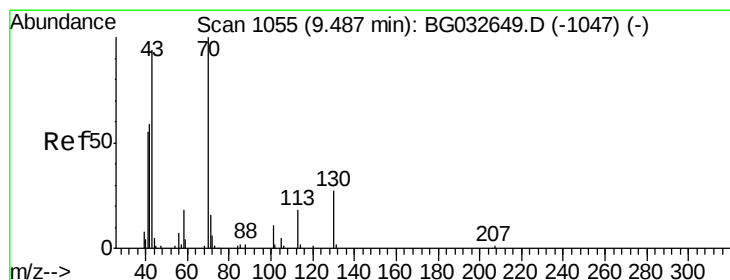
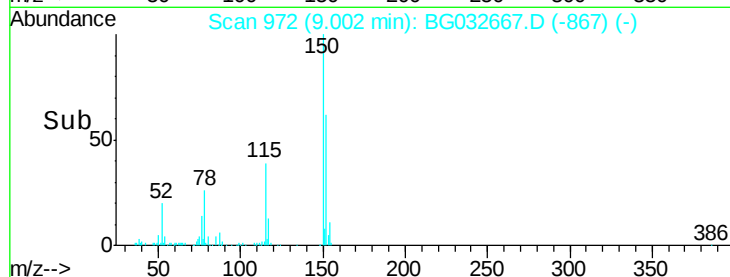
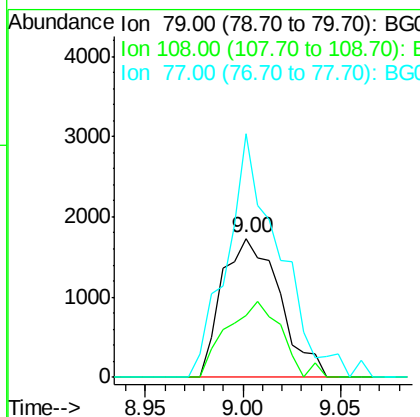
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	79	Resp:	3531
Ion	Ratio	Lower	Upper
79	100		
108	44.4	57.2	85.8#
77	174.8	46.1	69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.11 ng

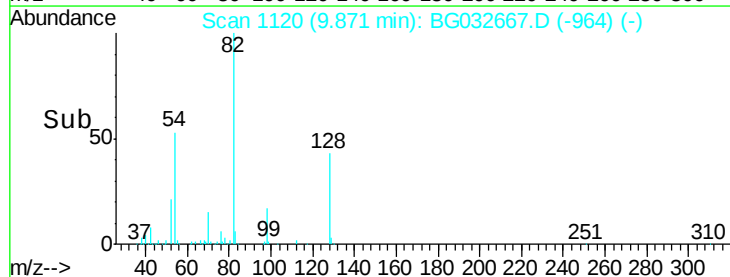
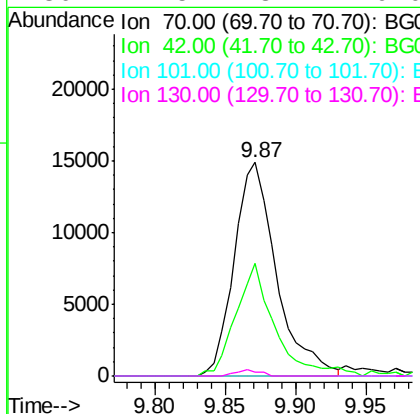
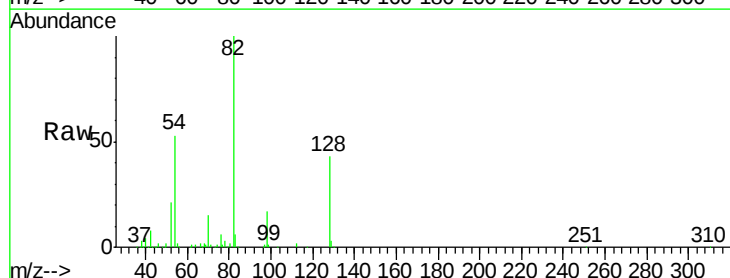
RT: 9.87 min Scan# 1120

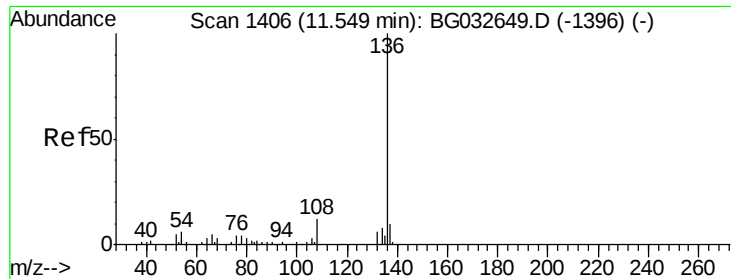
Delta R.T. 0.38 min

Lab File: BG032667.D

Acq: 13 Feb 2018 19:13

Tgt Ion:	70	Resp:	31172
Ion	Ratio	Lower	Upper
70	100		
42	52.5	49.1	73.7
101	0.0	8.5	12.7#
130	1.5	13.4	20.0#

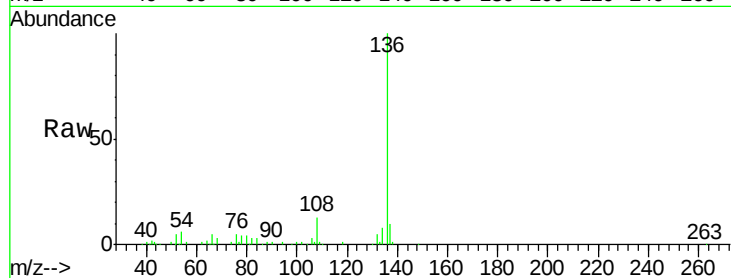




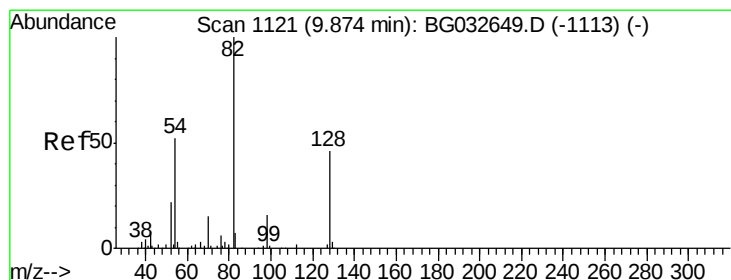
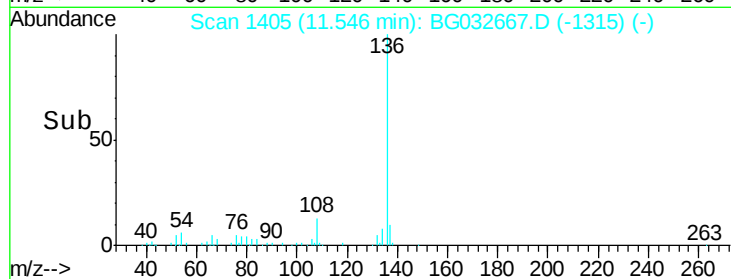
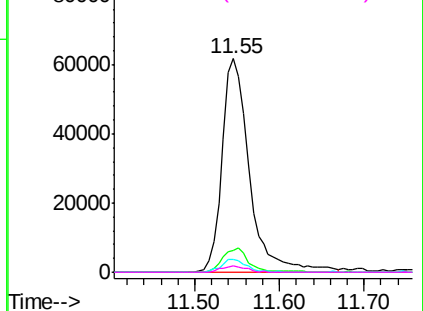
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.55 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	138969
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.2 13.8
54	6.0	10.3 15.5#
68	2.9	4.5 6.7#

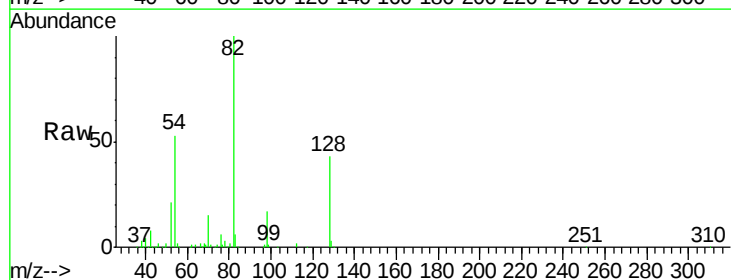


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

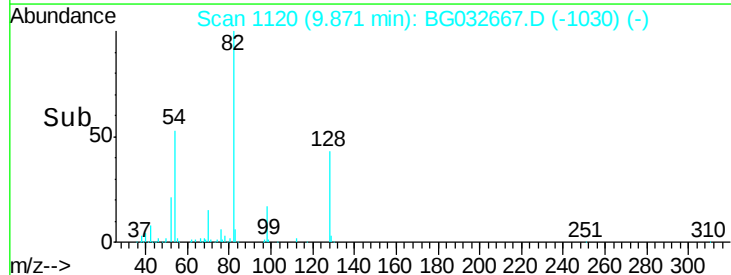
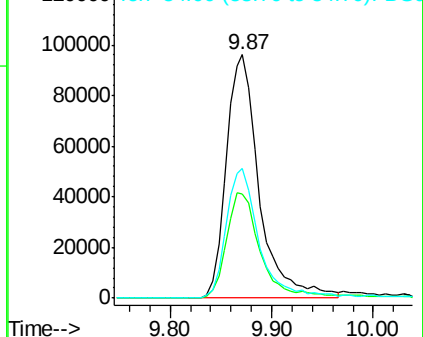


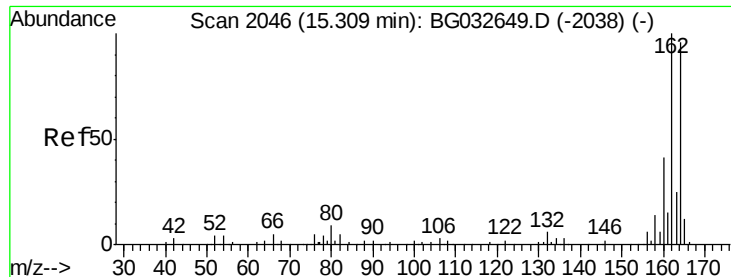
#23
Nitrobenzene-d5
Concen: 98.76 ng
RT: 9.87 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Tgt Ion: 82	Resp:	215952
Ion Ratio	Lower	Upper
82	100	
128	43.0	29.7 44.5
54	53.5	43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.31 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BG032667.D

Acq: 13 Feb 2018 19:13

Instrument :

BNA_G

ClientSampleId :

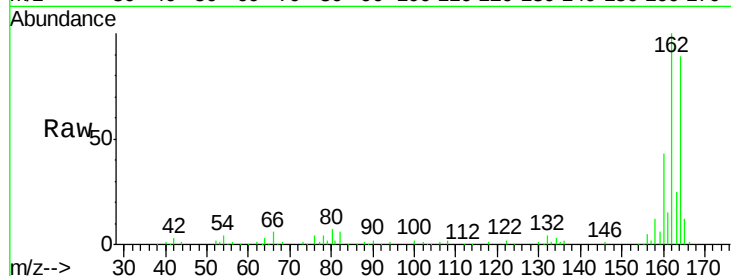
Tot Ion:164 Resp: 100824

Ion Ratio Lower Upper

164 100

162 112.5 78.8 118.2

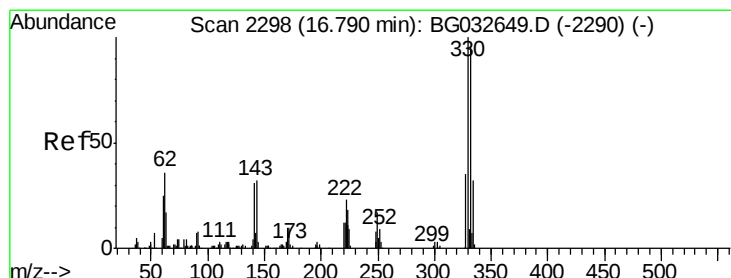
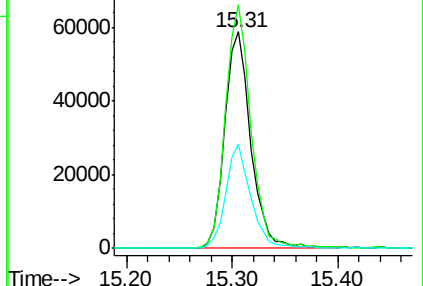
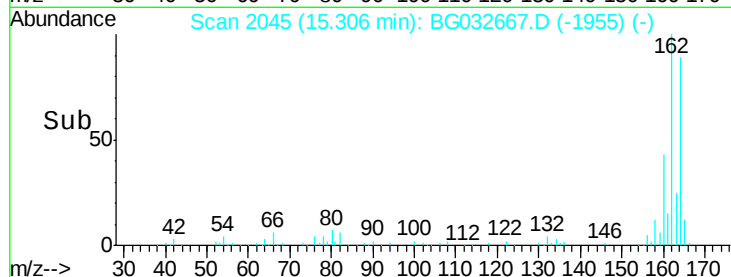
160 47.9 35.4 53.0



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: 135.02 ng

RT: 16.79 min Scan# 2297

Delta R.T. -0.00 min

Lab File: BG032667.D

Acq: 13 Feb 2018 19:13

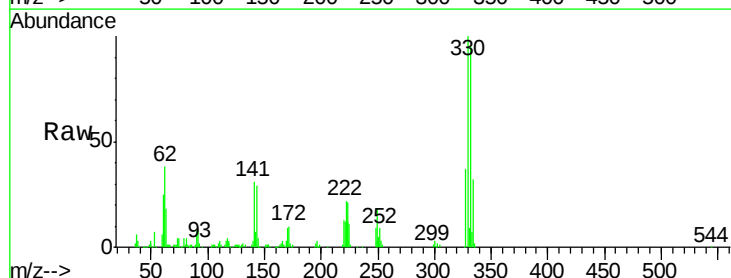
Tgt Ion:330 Resp: 209619

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

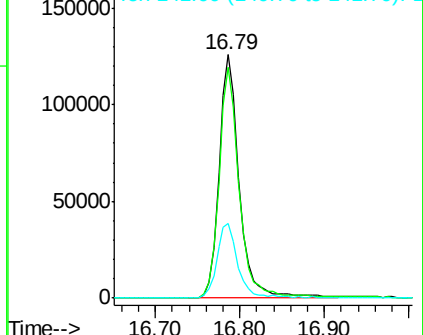
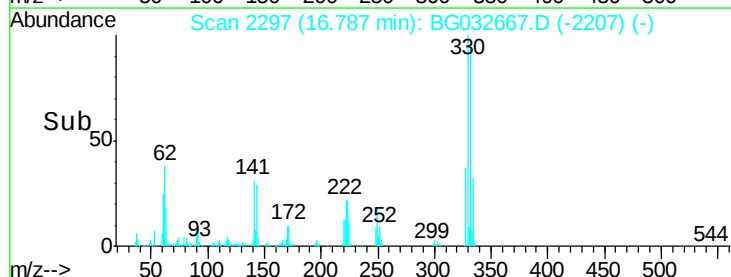
141 31.8 25.2 37.8

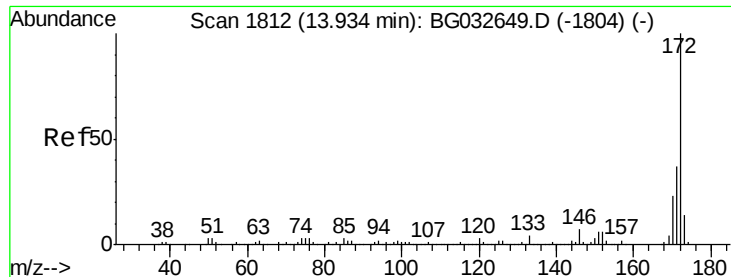


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

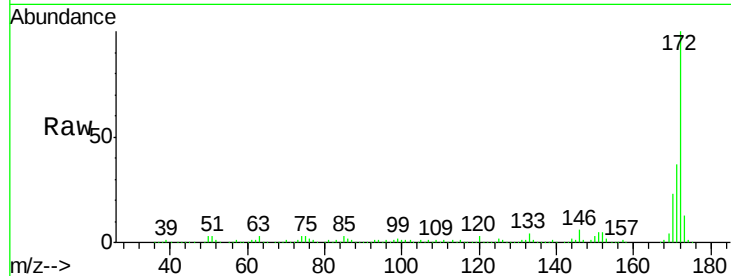




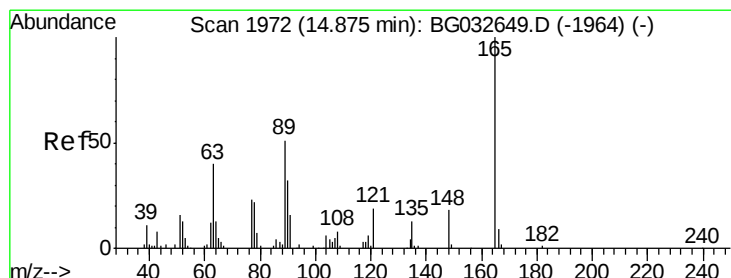
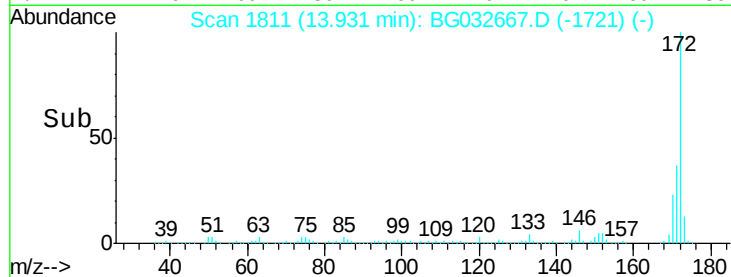
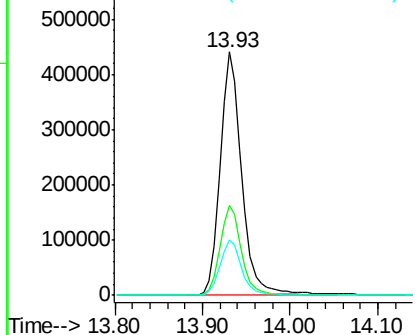
#44
2-Fluorobiphenyl
Concen: 93.53 ng
RT: 13.93 min Scan# 1811
Delta R.T. -0.00 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 754050
Ion Ratio Lower Upper
172 100
171 37.1 30.0 45.0
170 22.8 19.5 29.3

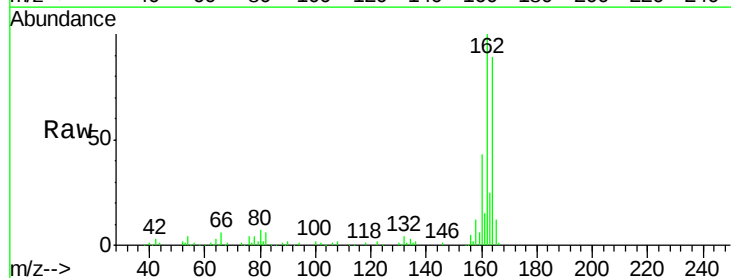


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

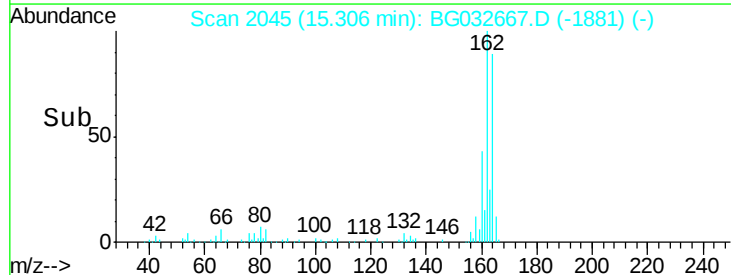
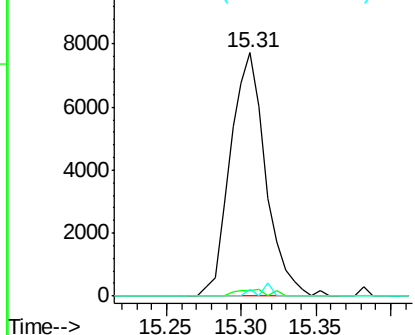


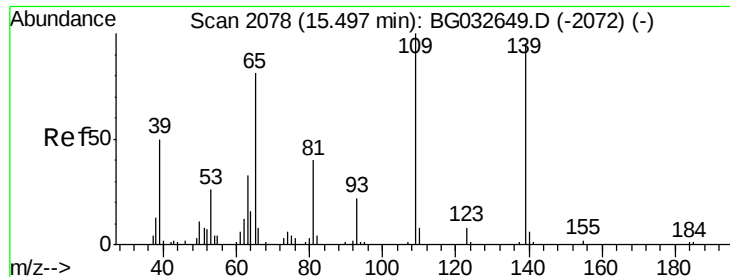
#50
2,6-Dinitrotoluene
Concen: 7.11 ng
RT: 15.31 min Scan# 2045
Delta R.T. 0.43 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Tgt Ion:165 Resp: 12765
Ion Ratio Lower Upper
165 100
63 2.1 52.7 79.1#
89 2.9 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

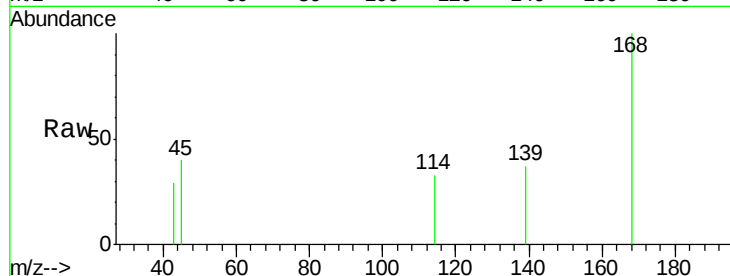




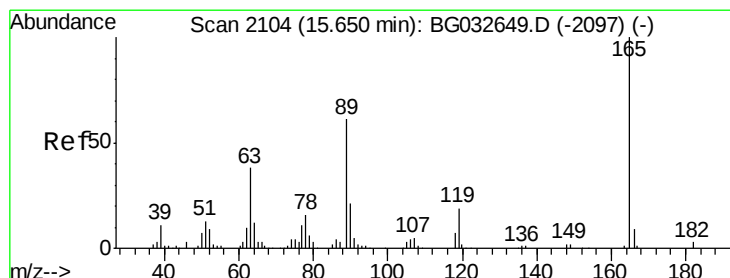
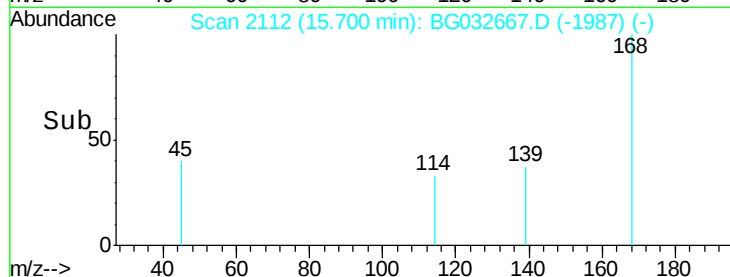
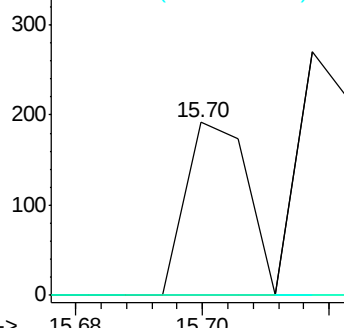
#55
4-Nitrophenol
Concen: 5.59 ng
RT: 15.70 min Scan# 2112
Delta R.T. 0.20 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 129
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

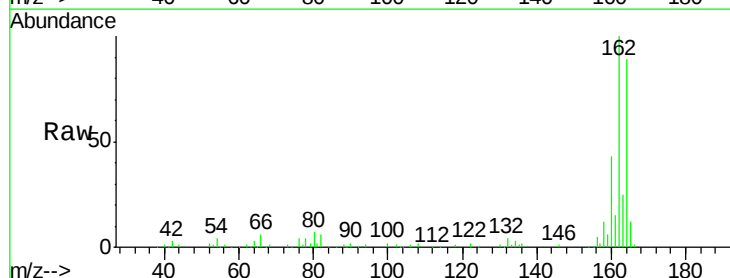


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

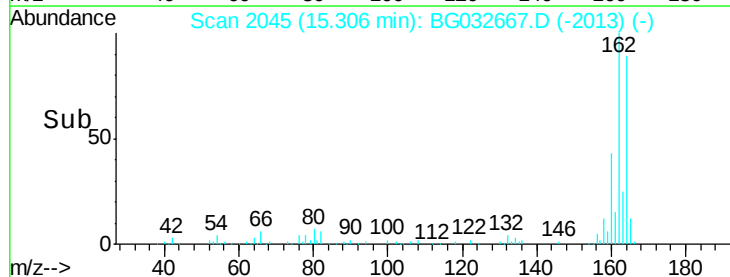
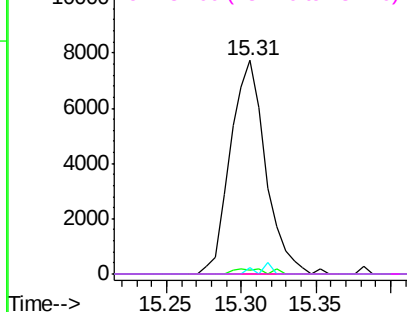


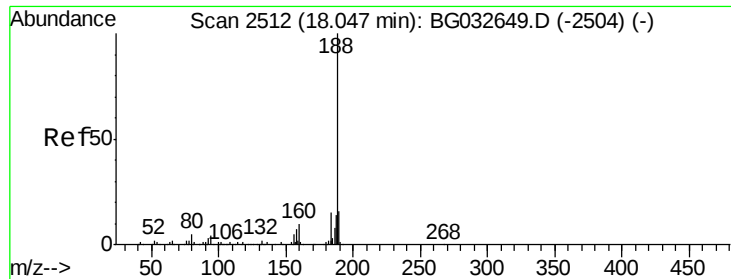
#56
2,4-Dinitrotoluene
Concen: 5.16 ng
RT: 15.31 min Scan# 2045
Delta R.T. -0.34 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Tgt Ion:165 Resp: 12765
Ion Ratio Lower Upper
165 100
63 2.1 42.0 63.0#
89 2.9 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
12000 Ion 63.00 (62.70 to 63.70): BGC
10000 Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

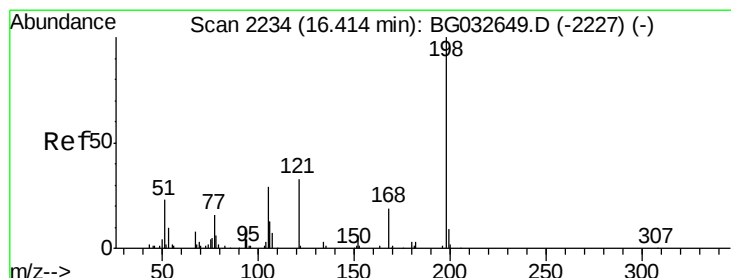
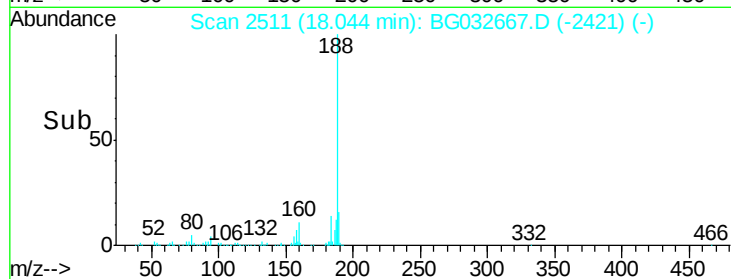
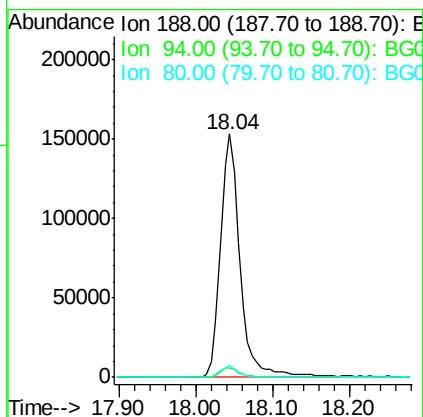
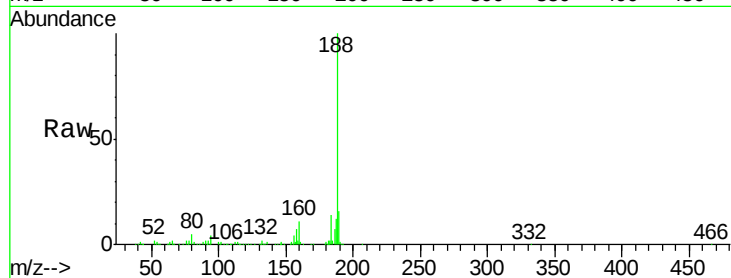




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.04 min Scan# 2511
Delta R.T. -0.00 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

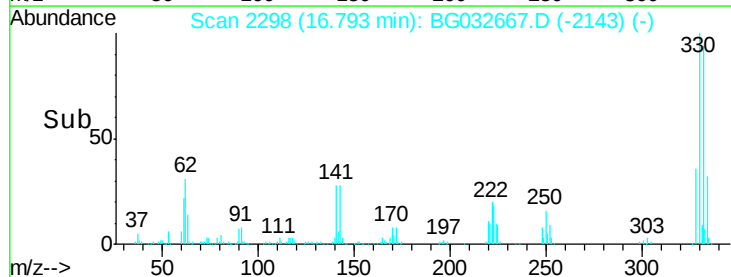
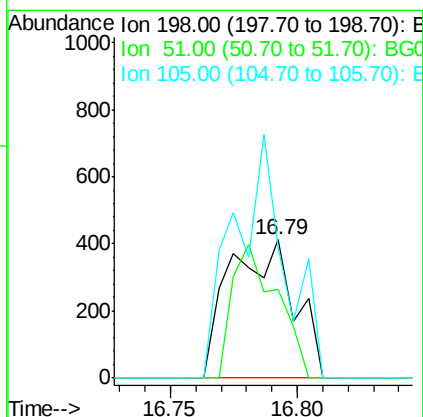
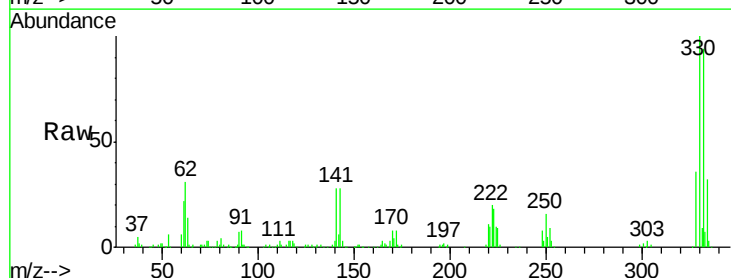
Instrument :
BNA_G
ClientSampleId :

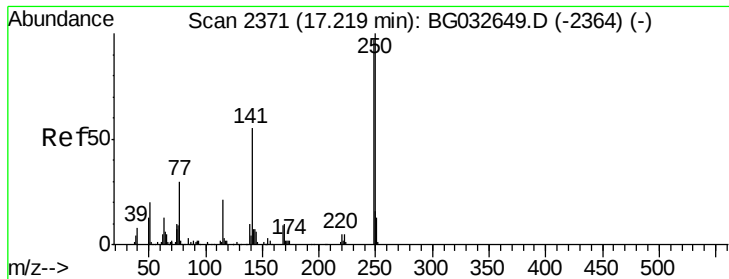
Tot Ion:188 Resp: 269123
Ion Ratio Lower Upper
188 100
94 3.8 6.9 10.3#
80 4.8 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.36 ng
RT: 16.79 min Scan# 2298
Delta R.T. 0.38 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Tgt Ion:198 Resp: 735
Ion Ratio Lower Upper
198 100
51 64.3 30.6 70.6
105 94.7 23.8 63.8#

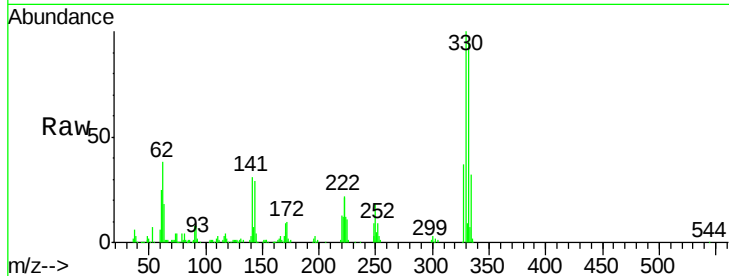




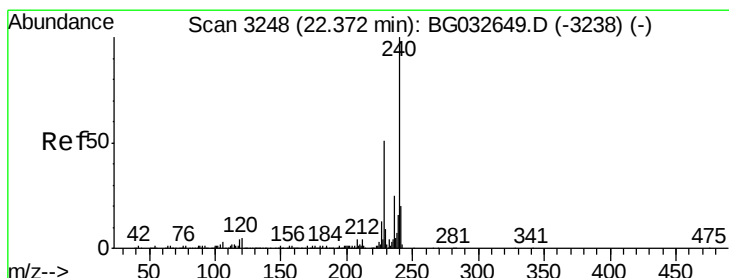
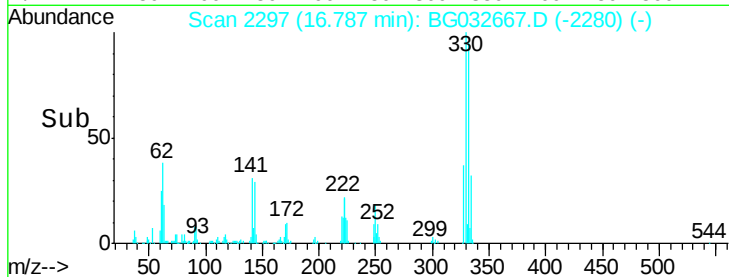
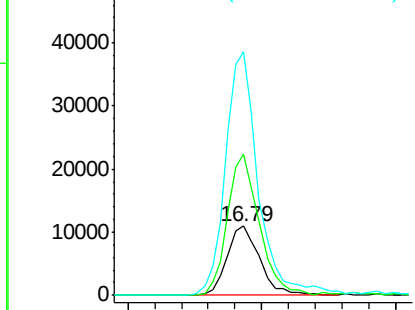
#66
4-Bromophenyl-phenylether
Concen: 4.90 ng
RT: 16.79 min Scan# 2297
Delta R.T. -0.43 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.7	77.1	115.7#
141	352.3	50.8	76.2#

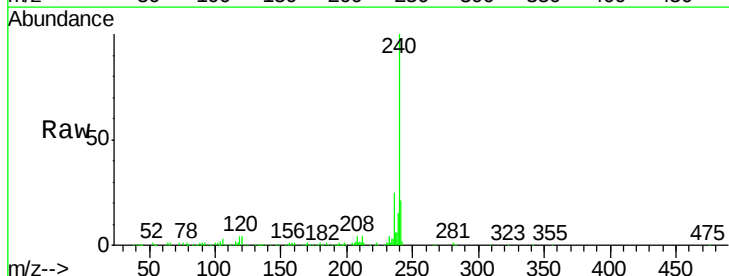


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

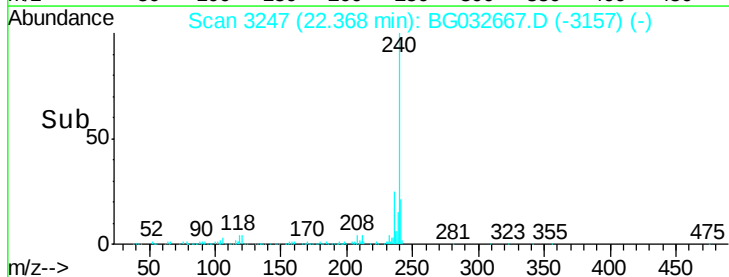
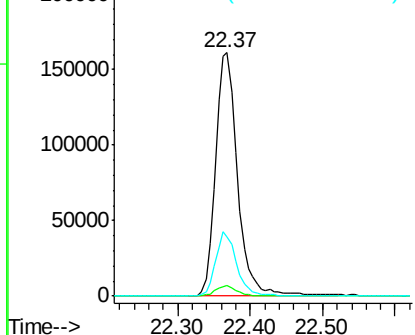


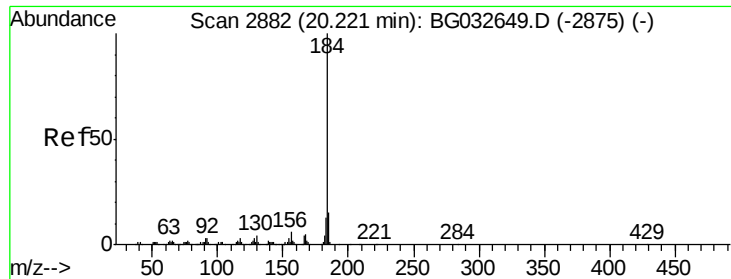
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.37 min Scan# 3247
Delta R.T. -0.00 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.2	6.8	10.2#
236	24.5	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: 2.92 ng

RT: 20.58 min Scan# 2943

Delta R.T. 0.36 min

Lab File: BG032667.D

Acq: 13 Feb 2018 19:13

Instrument :

BNA_G

ClientSampleId :

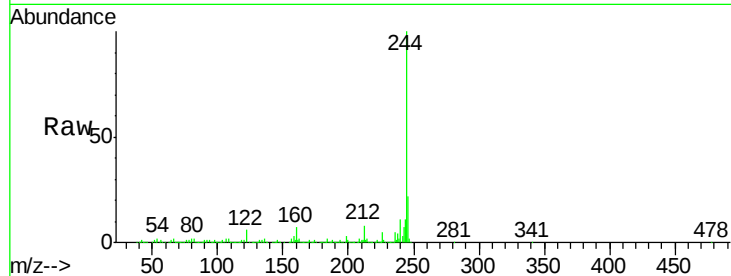
Tot Ion:184 Resp: 23346

Ion Ratio Lower Upper

184 100

185 11.2 11.1 16.7

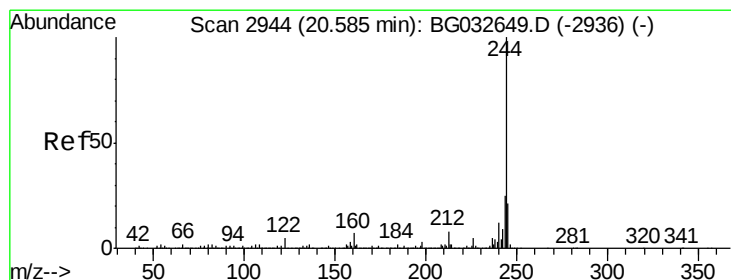
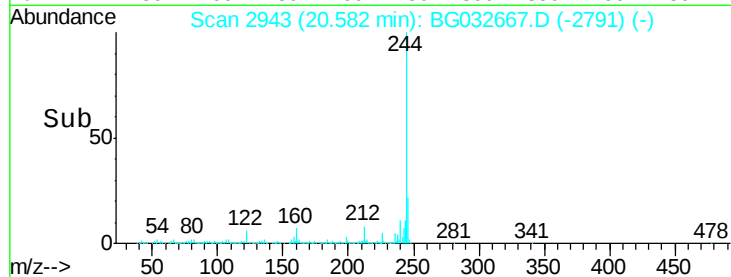
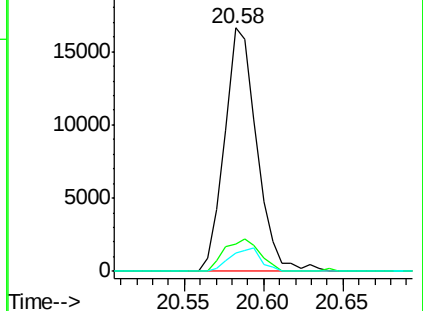
183 7.3 10.6 16.0#



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: 101.28 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.00 min

Lab File: BG032667.D

Acq: 13 Feb 2018 19:13

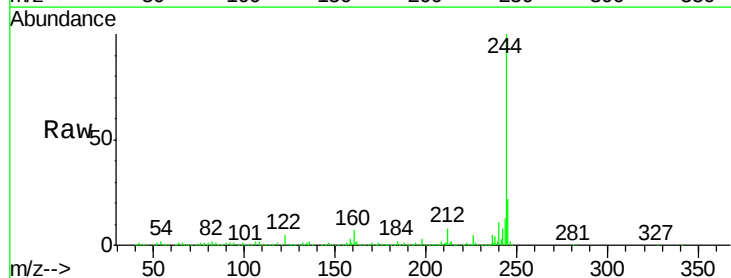
Tgt Ion:244 Resp: 1510974

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

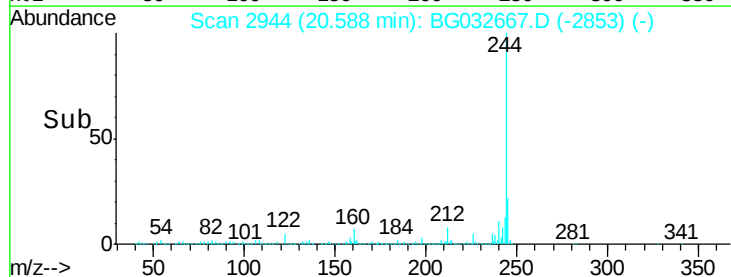
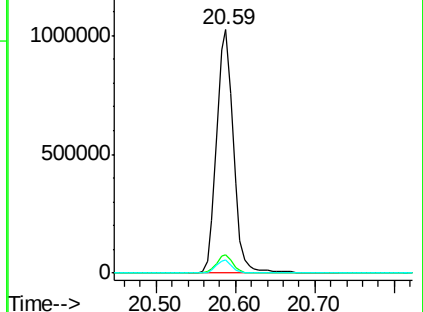
122 5.3 7.0 10.4#

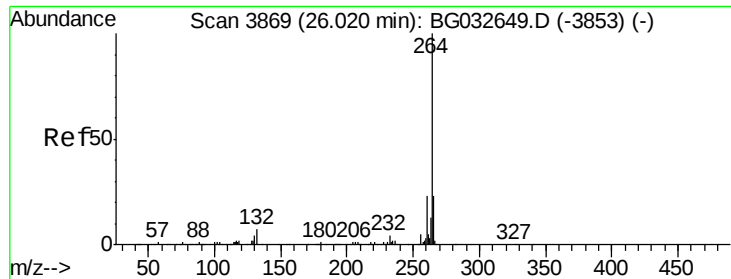


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

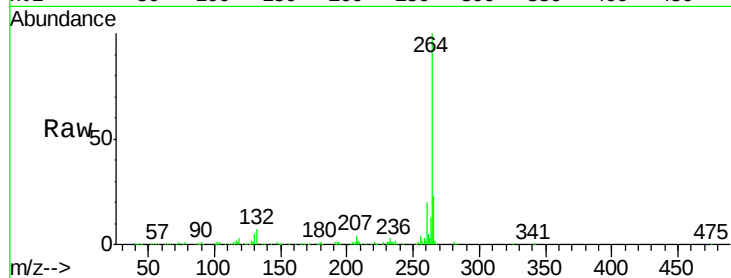




#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.01 min Scan# 3867
Delta R.T. -0.01 min
Lab File: BG032667.D
Acq: 13 Feb 2018 19:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	19.6	17.4	26.0
265	23.2	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

