

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032679.D
 Acq On : 14 Feb 2018 5:45
 Operator : SJ/JU
 Sample : J1403-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 06:31:20 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

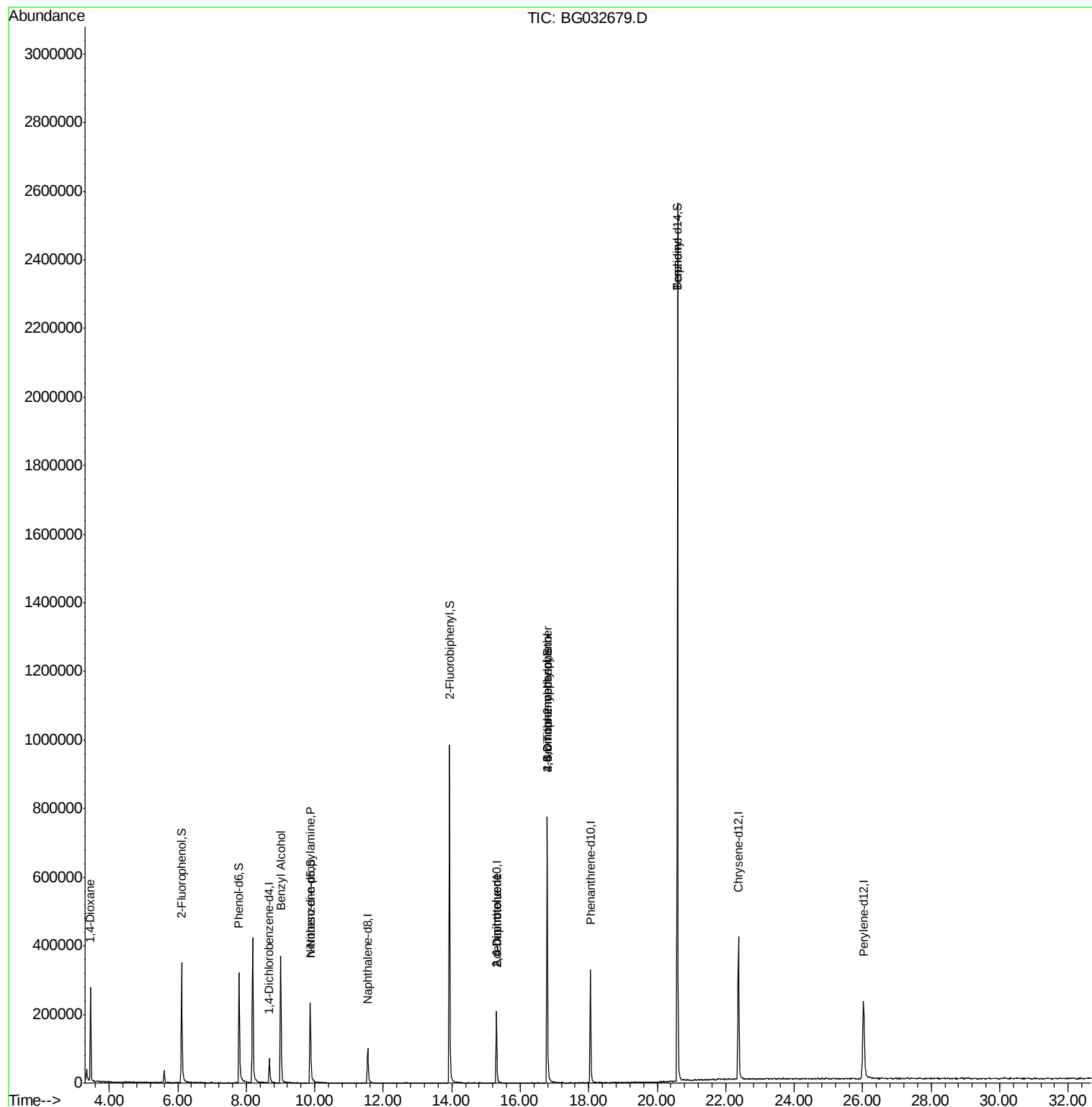
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.67	152	27696	20.00	ng	0.00
21) Naphthalene-d8	11.55	136	115032	20.00	ng	0.00
38) Acenaphthene-d10	15.30	164	89917	20.00	ng	0.00
63) Phenanthrene-d10	18.05	188	256206	20.00	ng	0.00
75) Chrysene-d12	22.37	240	351314	20.00	ng	0.00
86) Perylene-d12	26.03	264	349366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.11	112	194188	140.67	ng	0.00
7) Phenol-d6	7.79	99	219627	116.35	ng	0.00
23) Nitrobenzene-d5	9.86	82	167082	92.31	ng	-0.01
41) 2,4,6-Tribromophenol	16.79	330	180667	130.49	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	619432	86.15	ng	0.00
78) Terphenyl-d14	20.59	244	1463286	94.93	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.46	88	2822	4.89	ng	# 1
15) Benzyl Alcohol	9.00	79	3021	2.14	ng	# 22
19) n-Nitroso-di-n-propylamine	9.86	70	25476	20.08	ng	# 71
50) 2,6-Dinitrotoluene	15.30	165	11391	7.12	ng	# 21
56) 2,4-Dinitrotoluene	15.30	165	11391	5.16	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.78	198	525	5.28	ng	# 6
66) 4-Bromophenyl-phenylether	16.79	248	15860	4.33	ng	# 1
76) Benzidine	20.59	184	22508	2.72	ng	# 93

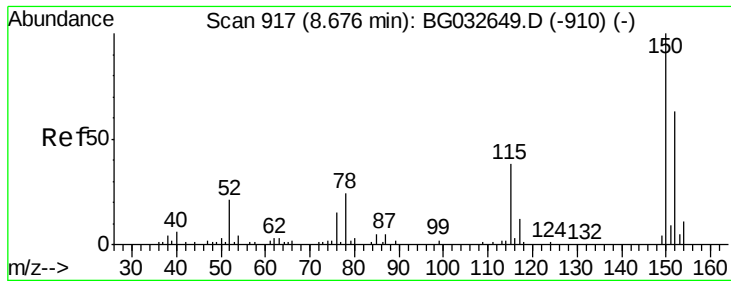
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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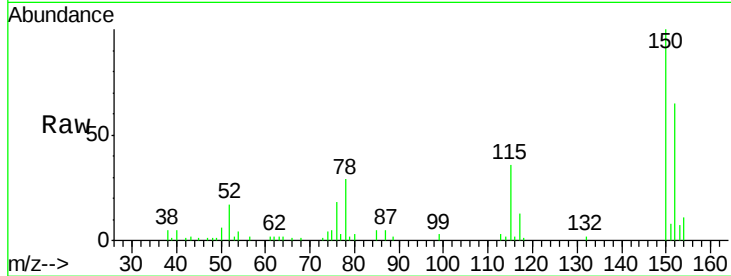


#1

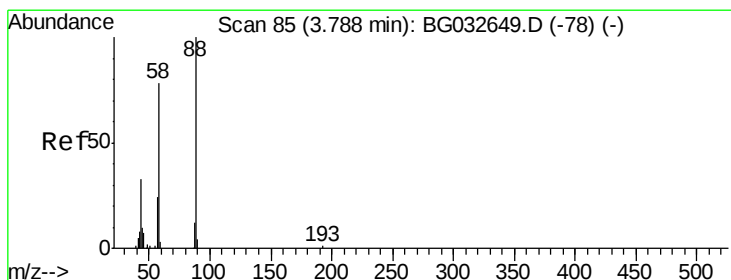
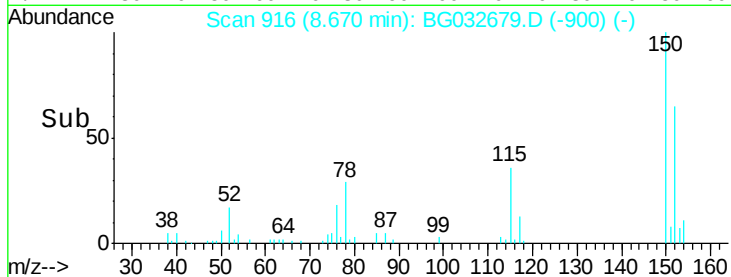
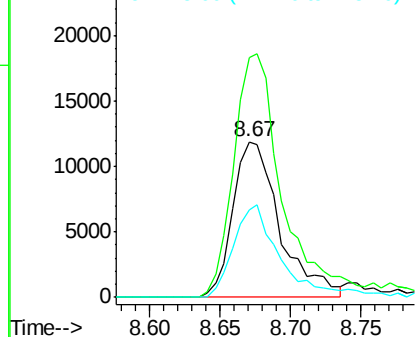
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.67 min Scan# 916
Delta R.T. -0.01 min
Lab File: BG032679.D
Acq: 14 Feb 2018 5:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 27696
Ion Ratio Lower Upper
152 100
150 154.3 126.6 189.8
115 56.1 53.0 79.4



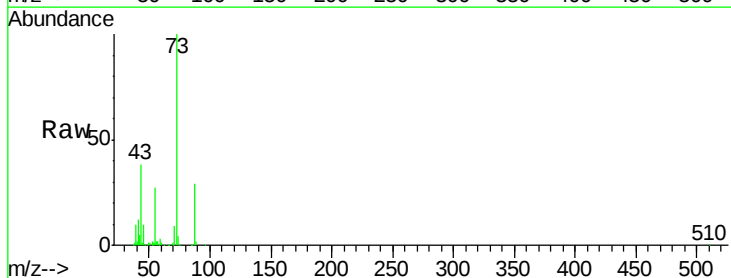
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



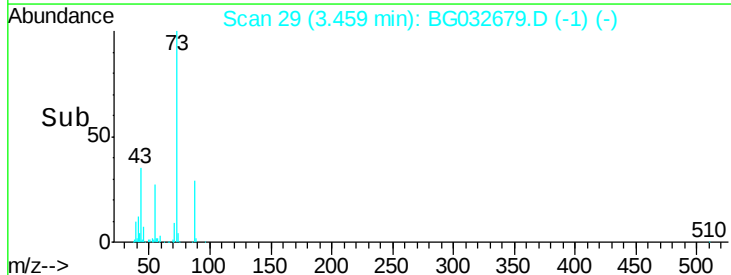
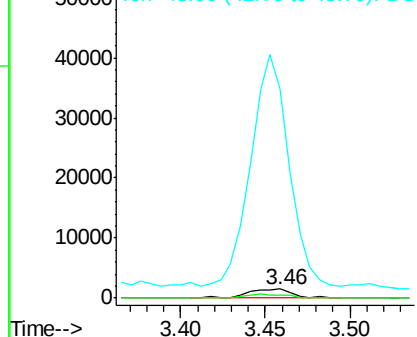
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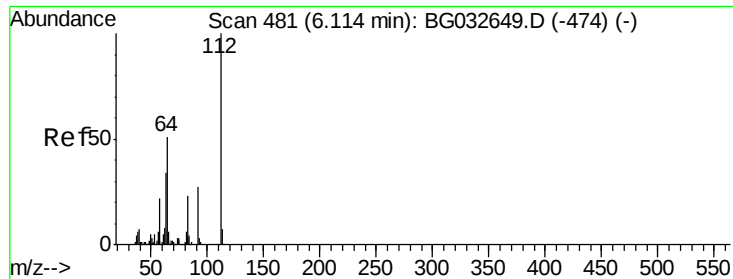
1,4-Dioxane
Concen: 4.89 ng
RT: 3.46 min Scan# 29
Delta R.T. -0.33 min
Lab File: BG032679.D
Acq: 14 Feb 2018 5:45

Tgt Ion: 88 Resp: 2822
Ion Ratio Lower Upper
88 100
58 35.4 79.6 119.4#
43 2155.4 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: 140.67 ng

RT: 6.11 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG032679.D

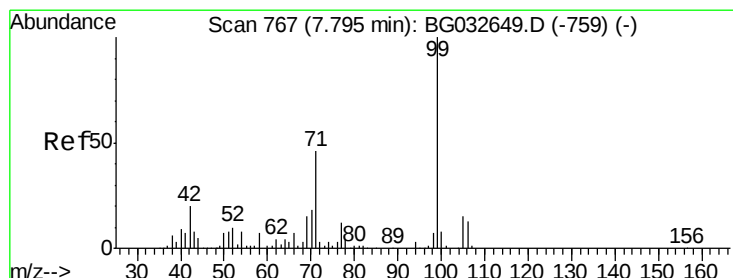
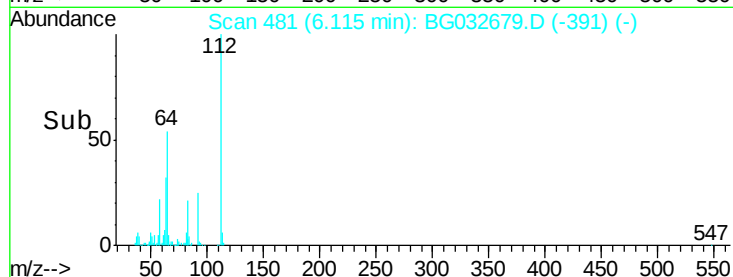
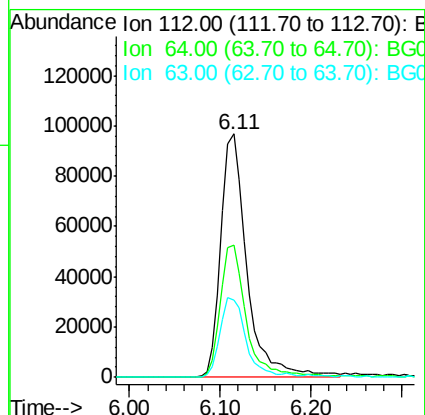
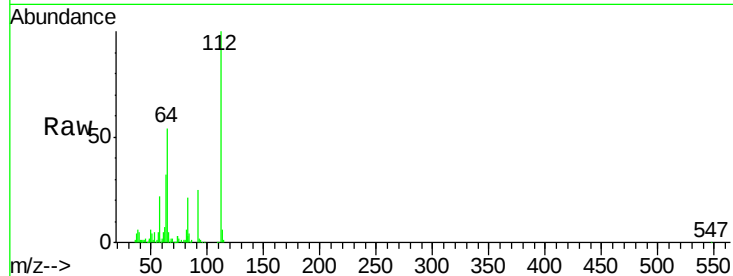
Acq: 14 Feb 2018 5:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	112	Resp:	194188
Ion	Ratio	Lower	Upper
112	100		
64	54.4	56.3	84.5#
63	31.7	30.1	45.1



#7

Phenol-d6

Concen: 116.35 ng

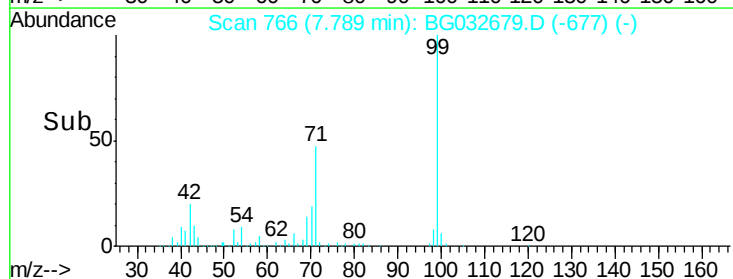
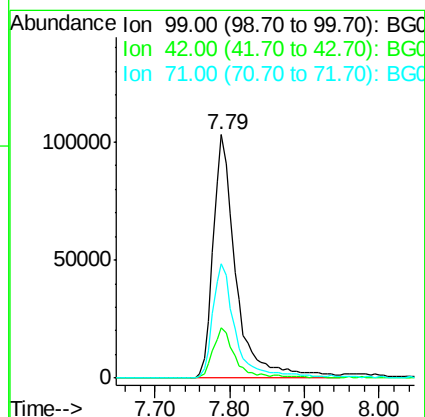
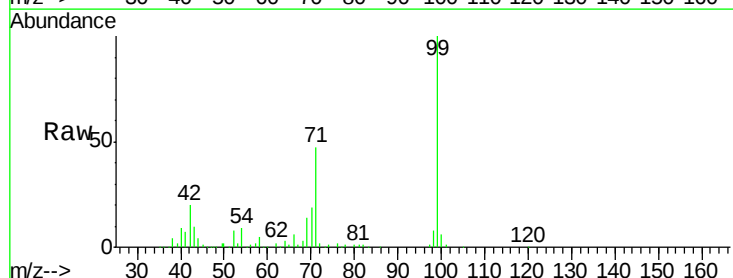
RT: 7.79 min Scan# 766

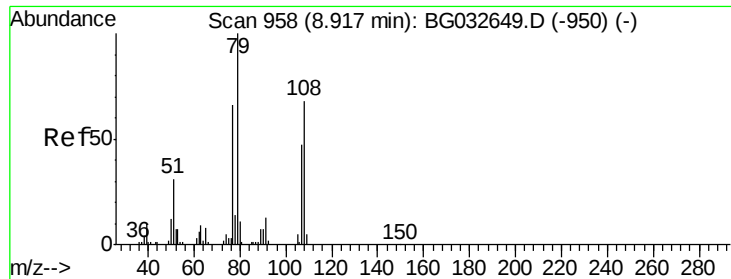
Delta R.T. -0.01 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

Tgt Ion:	99	Resp:	219627
Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.1	21.1
71	47.0	26.1	39.1#





#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 9.00 min Scan# 972

Delta R.T. 0.08 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

Instrument :

BNA_G

ClientSampleId :

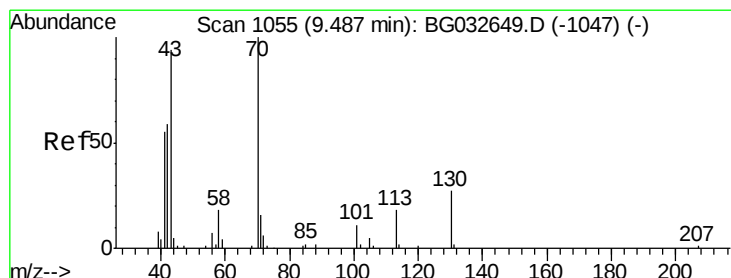
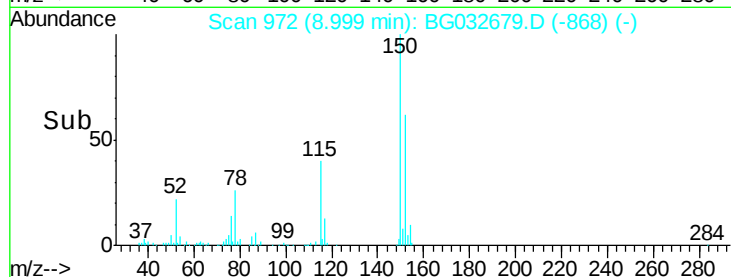
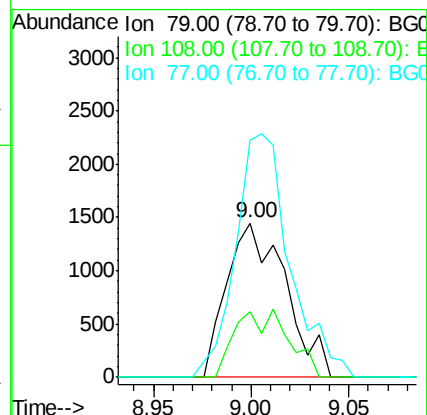
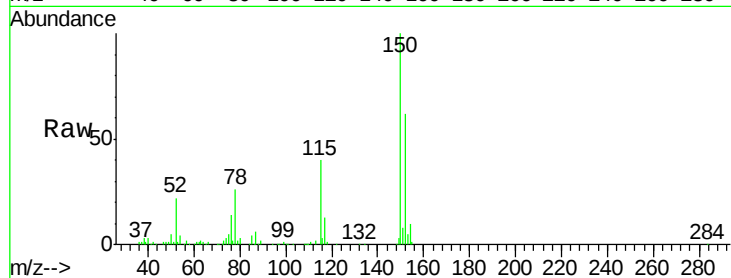
Tot Ion: 79 Resp: 3021

Ion Ratio Lower Upper

79 100

108 42.7 57.2 85.8#

77 154.5 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.08 ng

RT: 9.86 min Scan# 1119

Delta R.T. 0.38 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

Tgt Ion: 70 Resp: 25476

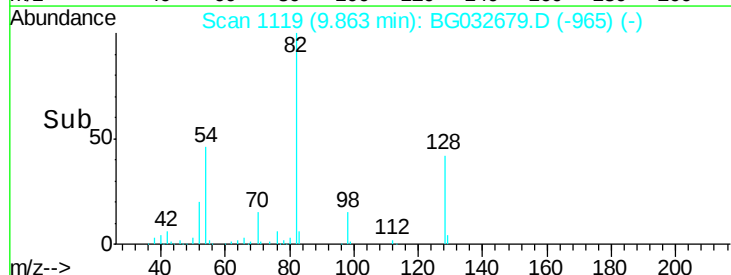
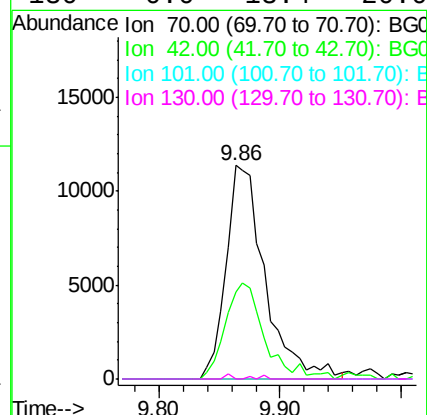
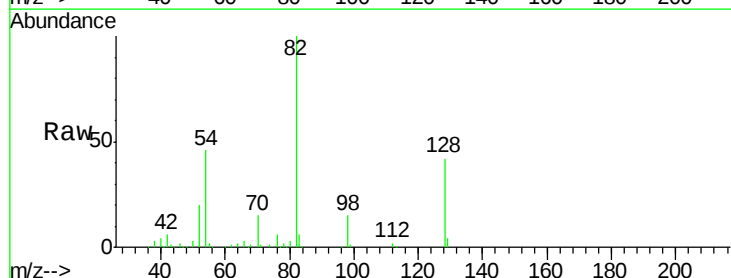
Ion Ratio Lower Upper

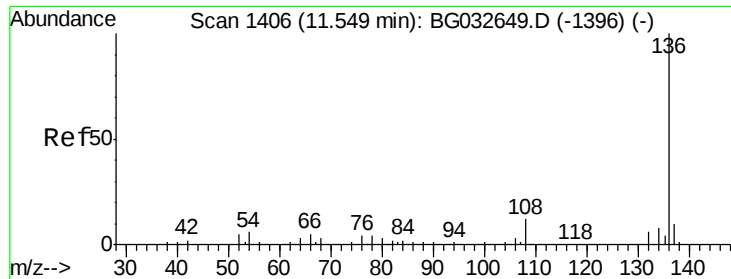
70 100

42 40.8 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

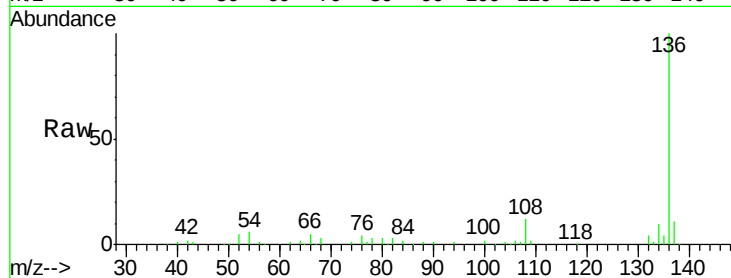




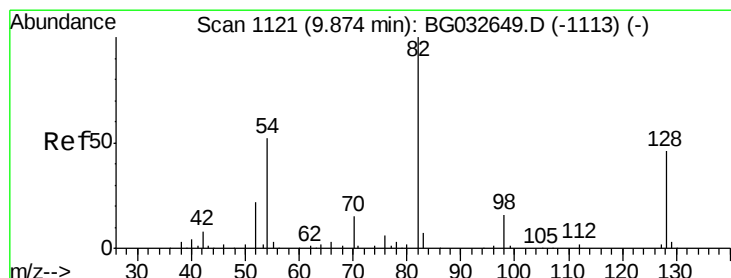
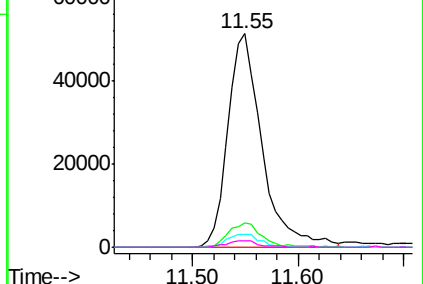
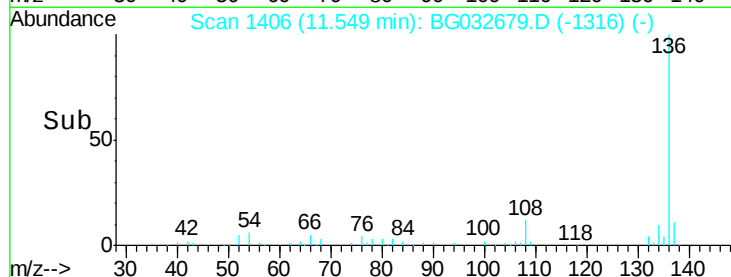
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.55 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BG032679.D
Acq: 14 Feb 2018 5:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	115032
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	6.1	10.3 15.5#
68	2.9	4.5 6.7#

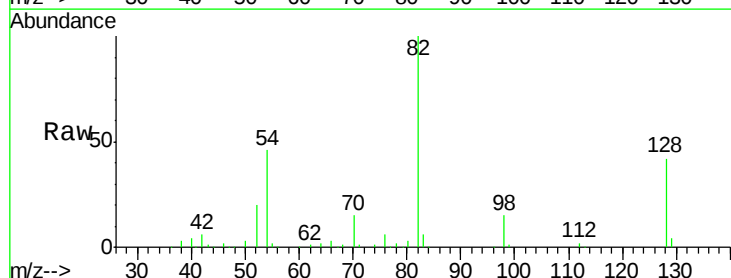


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

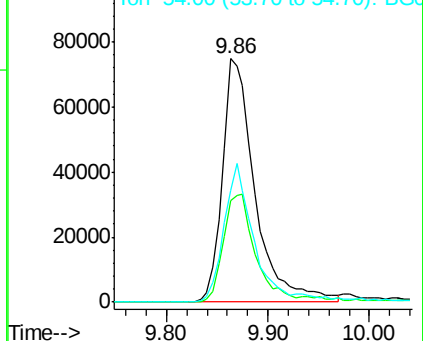
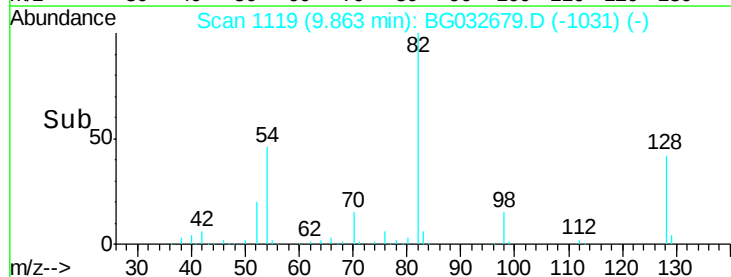


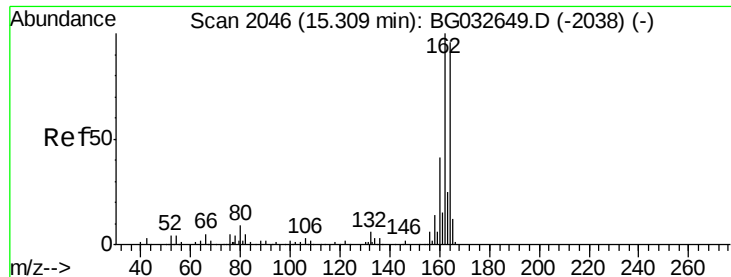
#23
Nitrobenzene-d5
Concen: 92.31 ng
RT: 9.86 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BG032679.D
Acq: 14 Feb 2018 5:45

Tgt Ion: 82	Resp:	167082
Ion Ratio	Lower	Upper
82	100	
128	41.6	29.7 44.5
54	45.7	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.30 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

Instrument :

BNA_G

ClientSampleId :

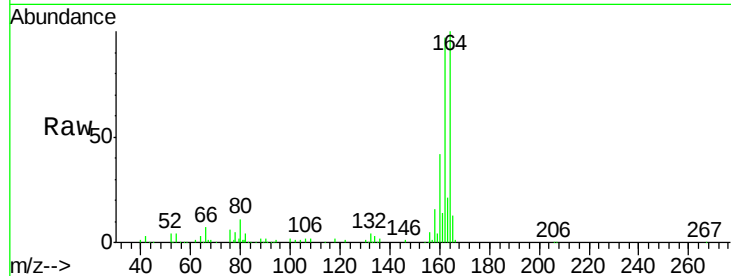
Tot Ion:164 Resp: 89917

Ion Ratio Lower Upper

164 100

162 96.7 78.8 118.2

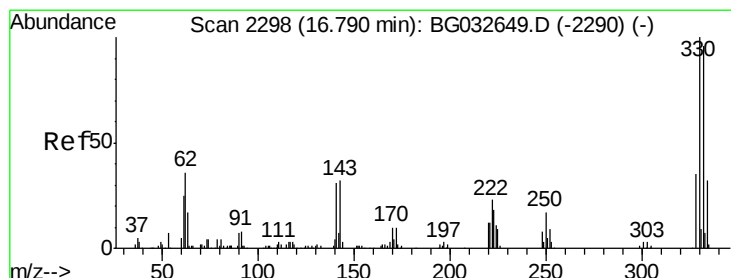
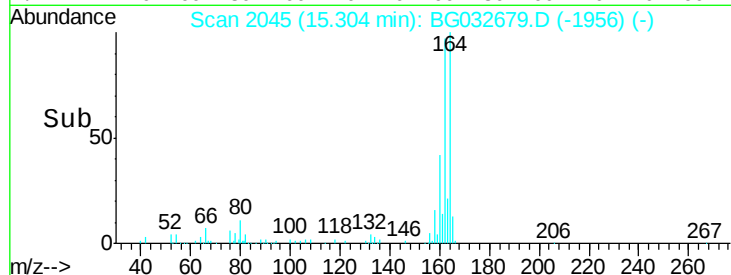
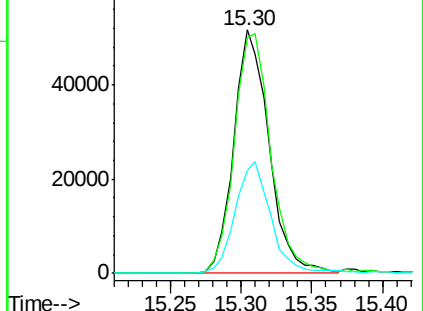
160 42.5 35.4 53.0



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: 130.49 ng

RT: 16.79 min Scan# 2298

Delta R.T. 0.00 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

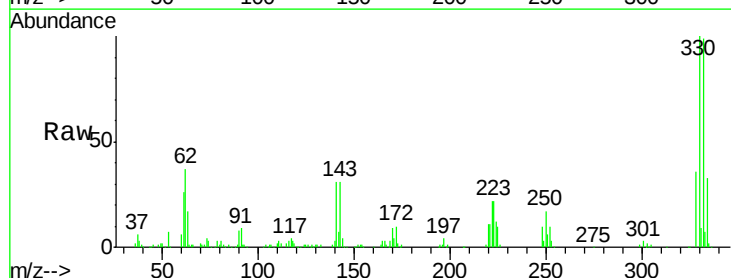
Tgt Ion:330 Resp: 180667

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

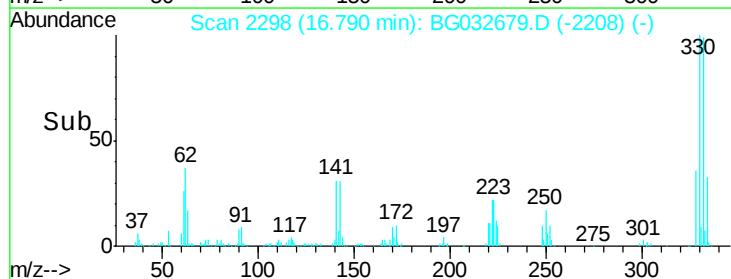
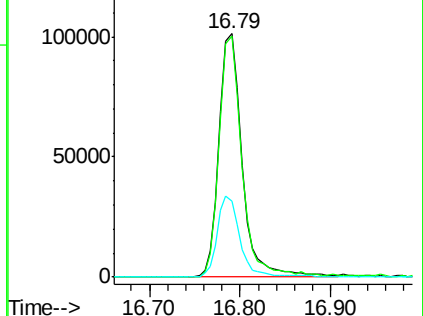
141 32.4 25.2 37.8

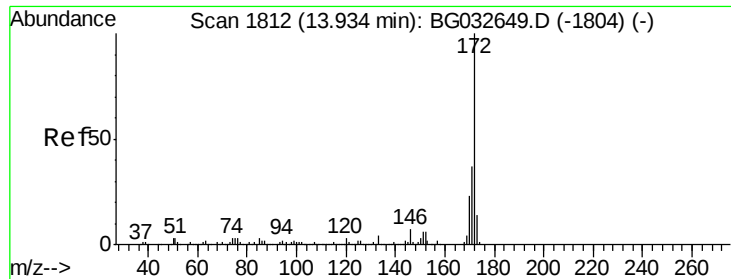


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

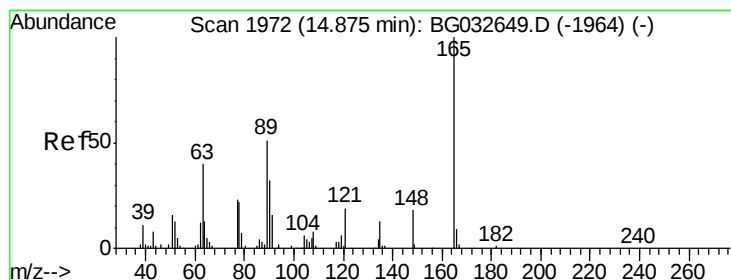
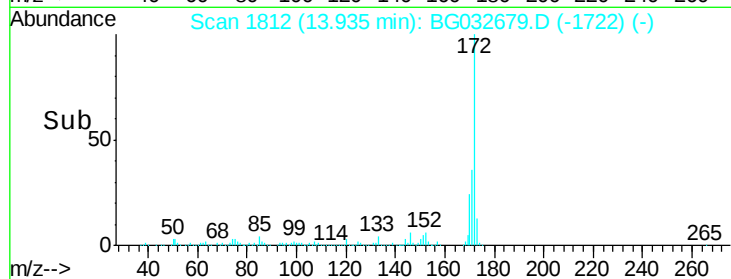
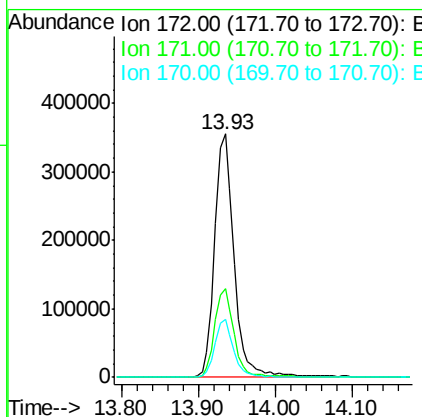
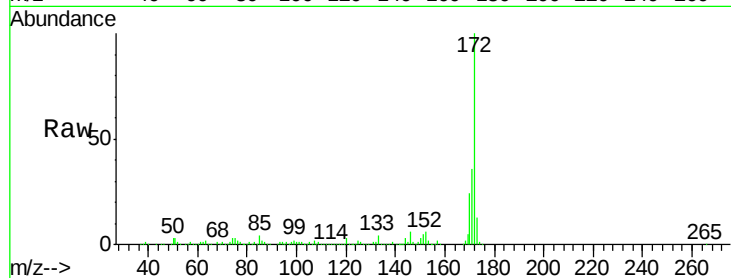




#44
 2-Fluorobiphenyl
 Concen: 86.15 ng
 RT: 13.93 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: BG032679.D
 Acq: 14 Feb 2018 5:45

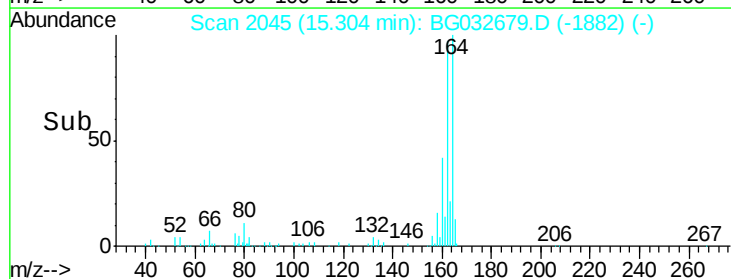
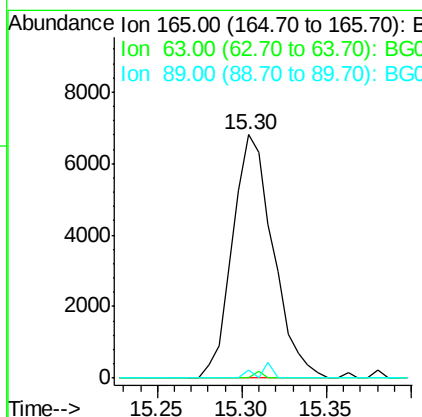
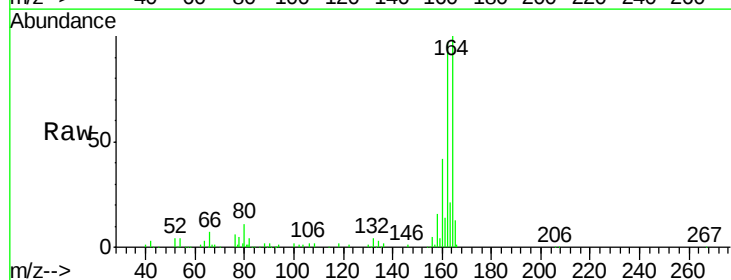
Instrument :
 BNA_G
 ClientSampleId :

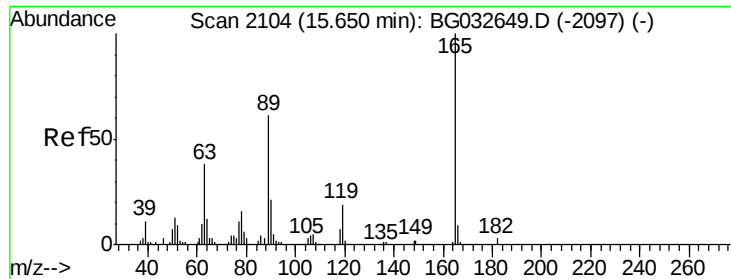
Tot Ion:172 Resp: 619432
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.0 45.0
 170 23.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.12 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. 0.43 min
 Lab File: BG032679.D
 Acq: 14 Feb 2018 5:45

Tgt Ion:165 Resp: 11391
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.6 49.2 73.8#

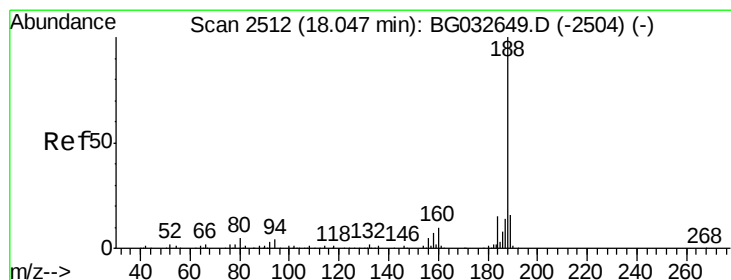
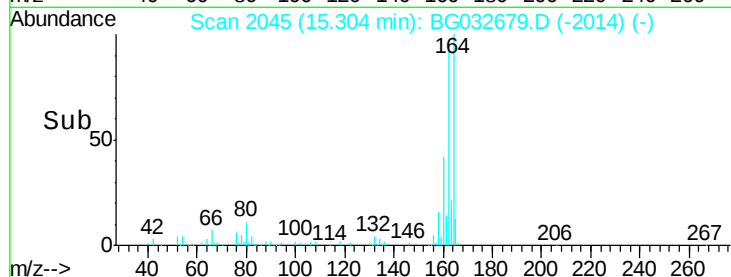
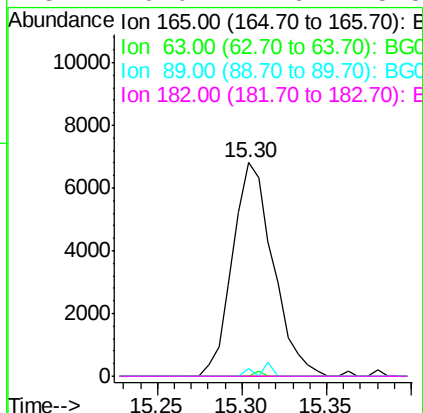
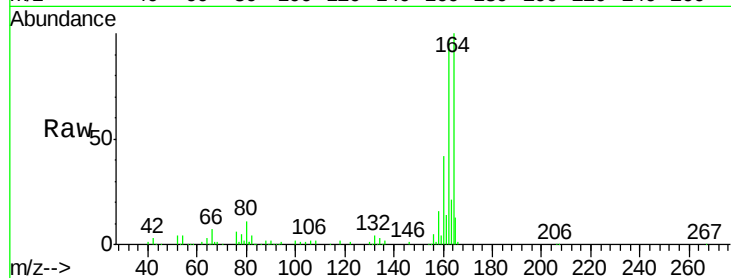




#56
2,4-Dinitrotoluene
Concen: 5.16 ng
RT: 15.30 min Scan# 2045
Delta R.T. -0.35 min
Lab File: BG032679.D
Acq: 14 Feb 2018 5:45

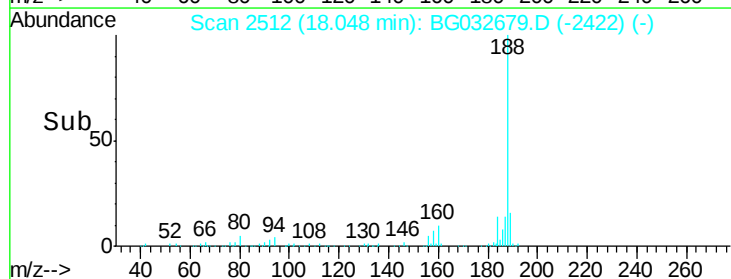
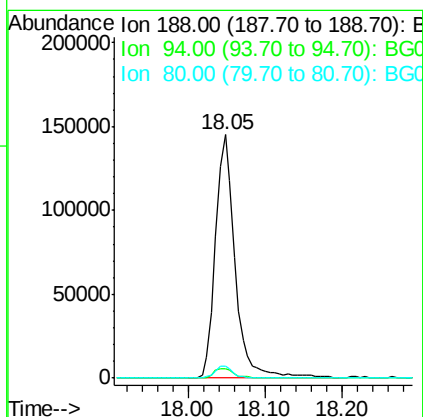
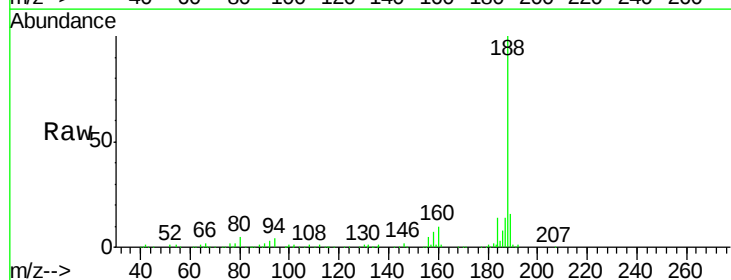
Instrument :
BNA_G
ClientSampleId :

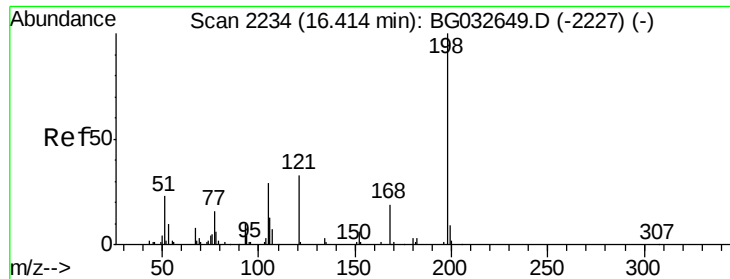
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.6	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.05 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BG032679.D
Acq: 14 Feb 2018 5:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.1	6.9	10.3#
80	4.7	7.7	11.5#

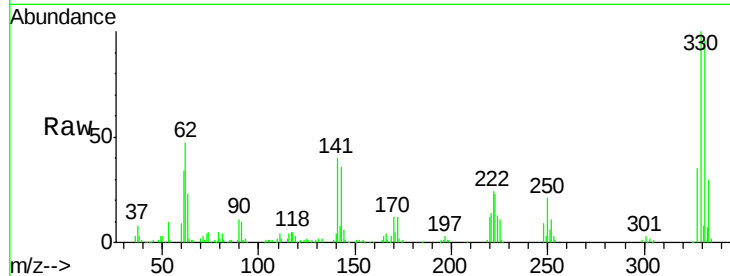




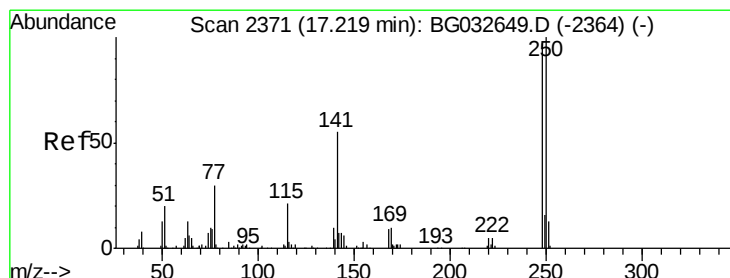
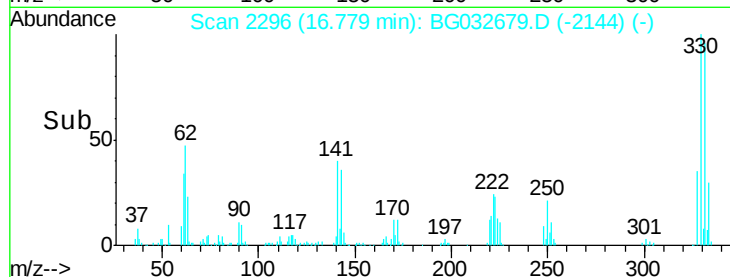
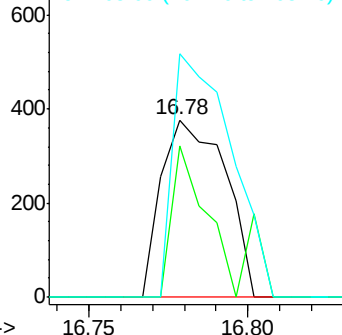
#64
4,6-Dinitro-2-methylphenol
Concen: 5.28 ng
RT: 16.78 min Scan# 2296
Delta R.T. 0.37 min
Lab File: BG032679.D
Acq: 14 Feb 2018 5:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 525
Ion Ratio Lower Upper
198 100
51 85.4 30.6 70.6#
105 137.5 23.8 63.8#

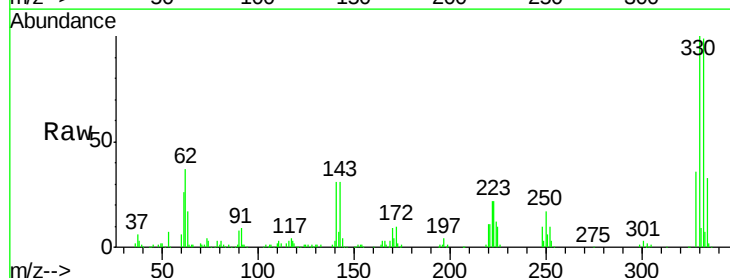


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

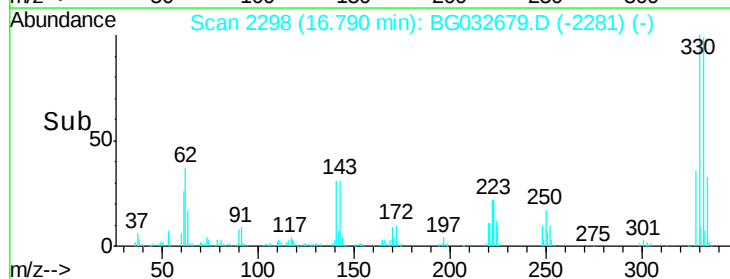
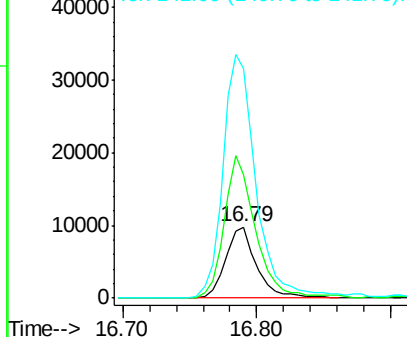


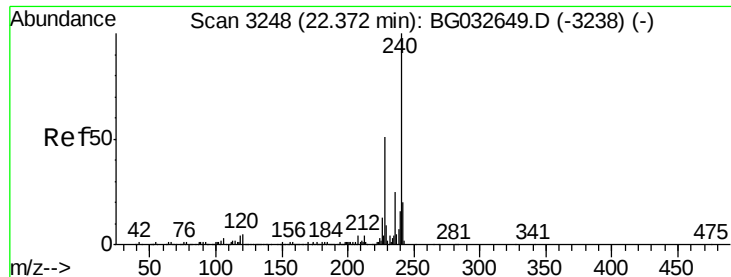
#66
4-Bromophenyl-phenylether
Concen: 4.33 ng
RT: 16.79 min Scan# 2298
Delta R.T. -0.43 min
Lab File: BG032679.D
Acq: 14 Feb 2018 5:45

Tgt Ion:248 Resp: 15860
Ion Ratio Lower Upper
248 100
250 174.1 77.1 115.7#
141 323.4 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# 3248

Delta R.T. 0.00 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

Instrument :

BNA_G

ClientSampleId :

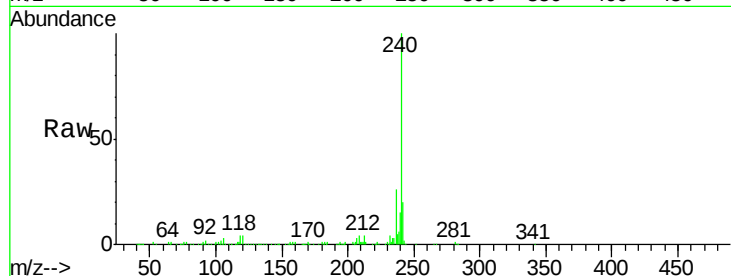
Tot Ion:240 Resp: 351314

Ion Ratio Lower Upper

240 100

120 3.7 6.8 10.2#

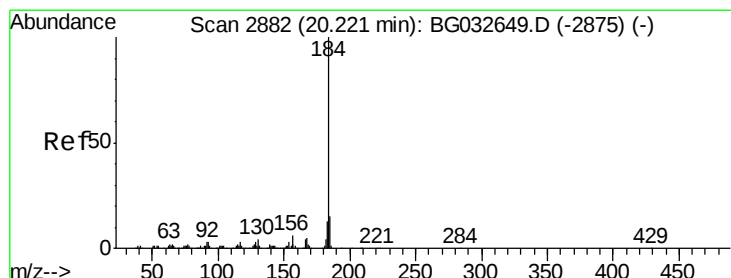
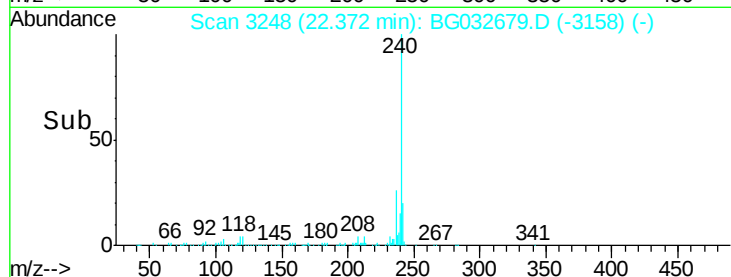
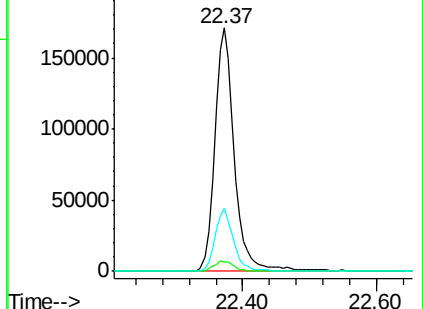
236 25.7 20.9 31.3



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: 2.72 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.36 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

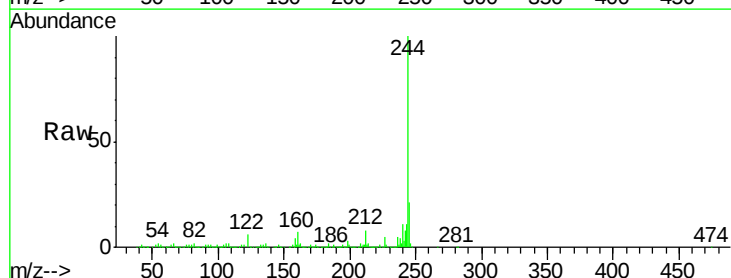
Tgt Ion:184 Resp: 22508

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

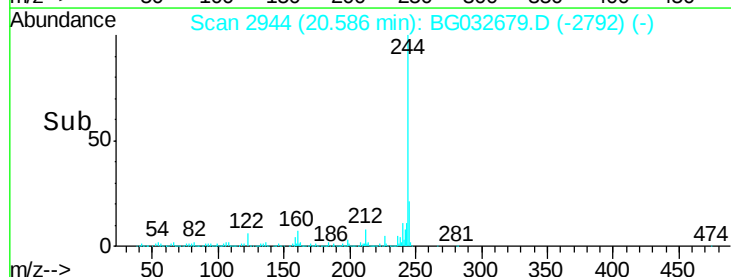
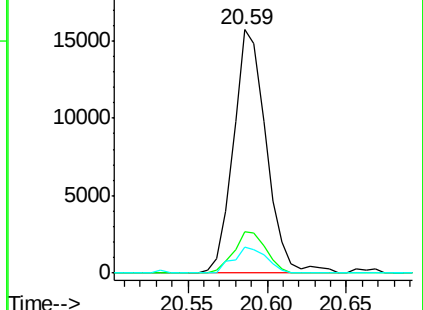
183 10.8 10.6 16.0

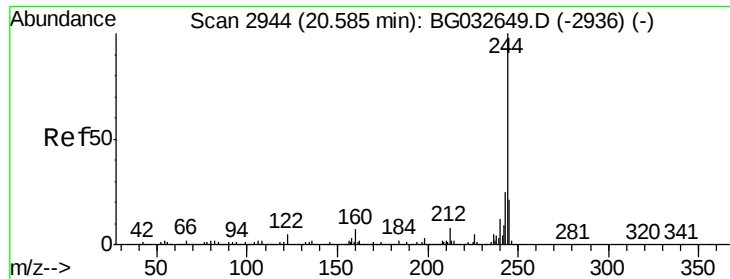


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.93 ng

RT: 20.59 min Scan# 2945

Delta R.T. 0.01 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

Instrument :

BNA_G

ClientSampleId :

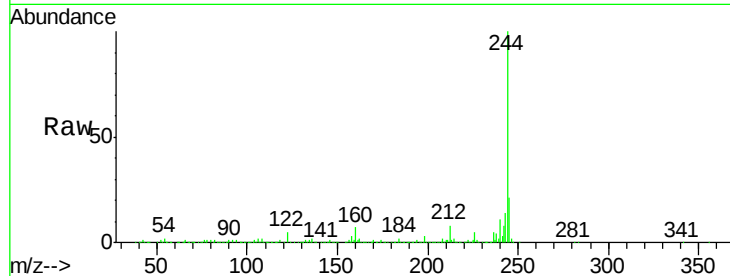
Tot Ion:244 Resp: 1463286

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

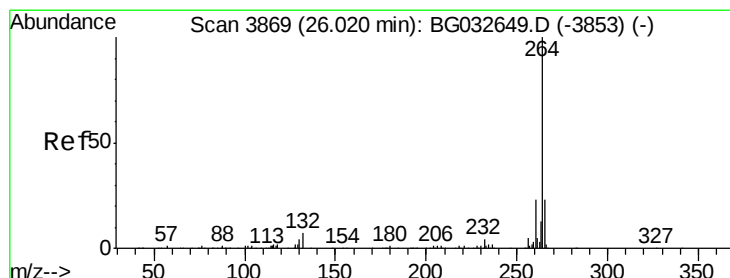
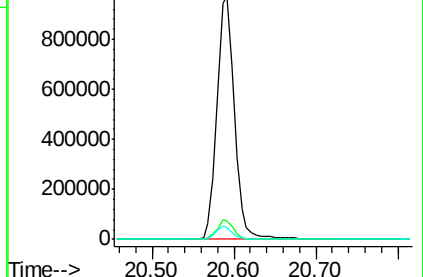
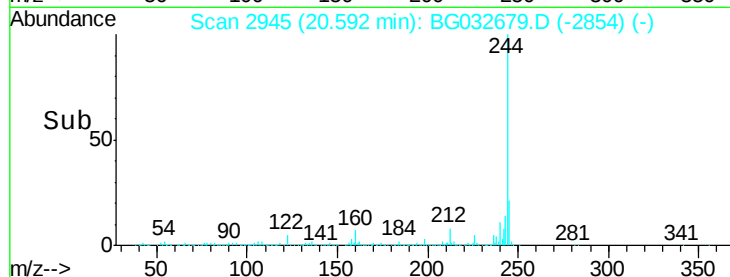
122 4.9 7.0 10.4#



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: 20.00 ng

RT: 26.03 min Scan# 3870

Delta R.T. 0.01 min

Lab File: BG032679.D

Acq: 14 Feb 2018 5:45

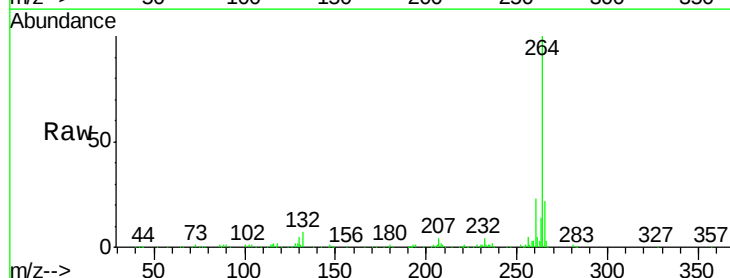
Tgt Ion:264 Resp: 349366

Ion Ratio Lower Upper

264 100

260 23.0 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

