

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033908.D
 Acq On : 21 Apr 2018 6:20
 Operator : SJ/JU
 Sample : J2473-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-D-B

Quant Time: Apr 23 03:12:34 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

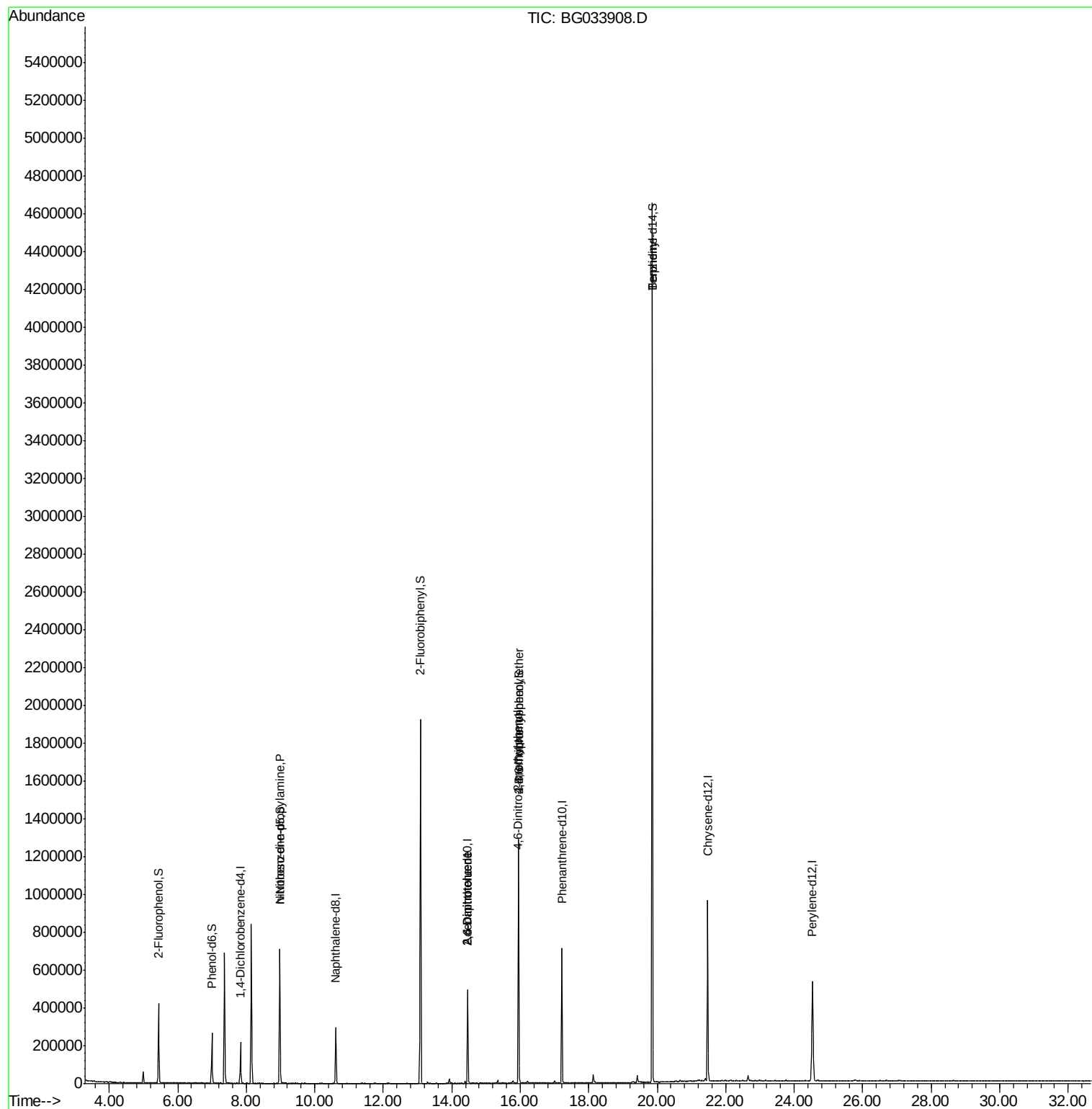
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	59568	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	247880	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	162742	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	453336	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	529186	20.00	ng	-0.02
86) Perylene-d12	24.53	264	534128	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	177206	47.49	ng	0.00
7) Phenol-d6	7.00	99	148027	27.20	ng	0.00
23) Nitrobenzene-d5	8.98	82	428038	98.27	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	218589	115.13	ng	-0.02
44) 2-Fluorobiphenyl	13.09	172	1017884	91.88	ng	-0.01
78) Terphenyl-d14	19.86	244	2143355	90.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.97	77	144	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	59147	12.750 ng	#	79
50) 2,6-Dinitrotoluene	14.46	165	20968	7.729 ng	#	22
56) 2,4-Dinitrotoluene	14.46	165	20968	5.812 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.94	198	862	6.831 ng	#	83
66) 4-Bromophenyl-phenylether	15.95	248	14949	3.003 ng	#	1
76) Benizidine	19.86	184	36015	2.520 ng	#	91

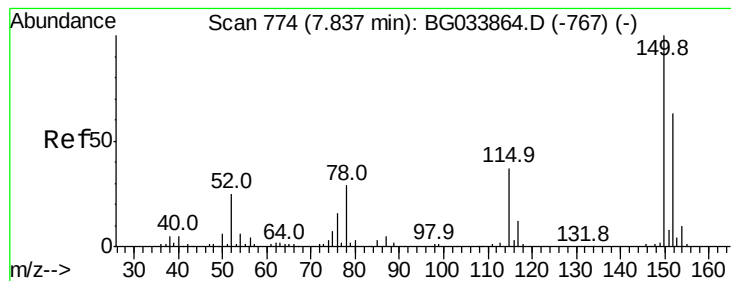
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG033908.D

Acq: 21 Apr 2018 6:20

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-D-B

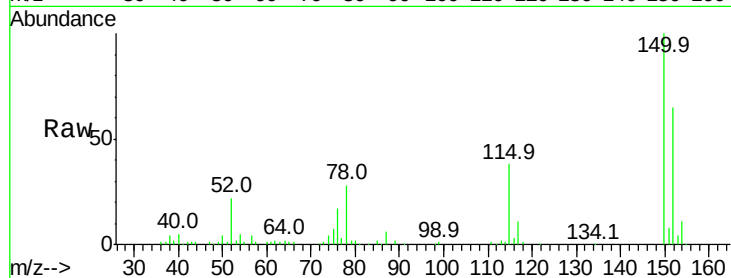
Tot Ion:152 Resp: 59568

Ion Ratio Lower Upper

152 100

150 154.7 126.6 189.8

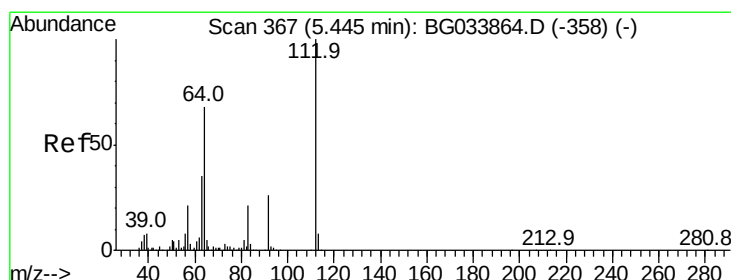
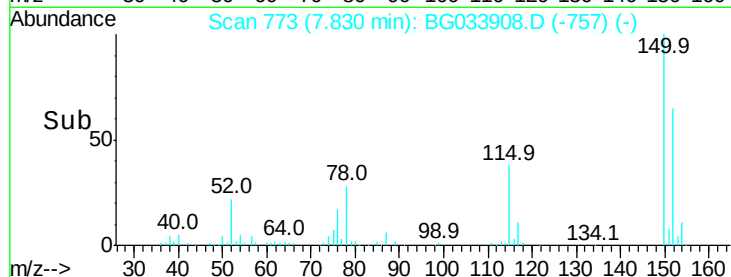
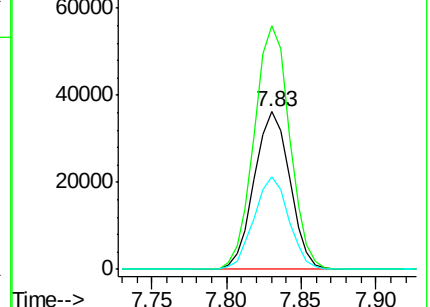
115 58.8 53.0 79.4



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: 47.494 ng

RT: 5.44 min Scan# 366

Delta R.T. -0.01 min

Lab File: BG033908.D

Acq: 21 Apr 2018 6:20

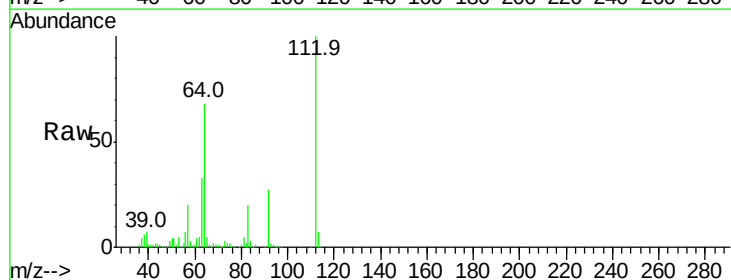
Tgt Ion:112 Resp: 177206

Ion Ratio Lower Upper

112 100

64 68.1 56.3 84.5

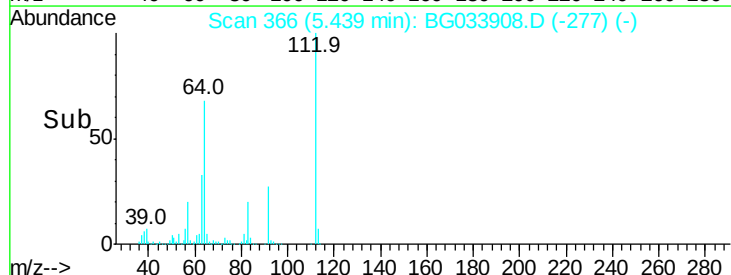
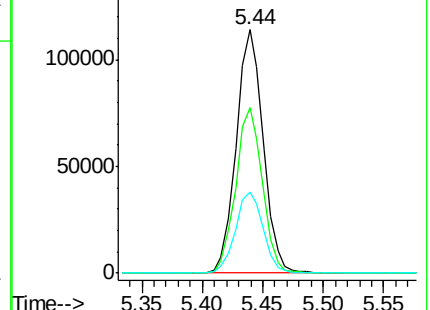
63 33.3 30.1 45.1

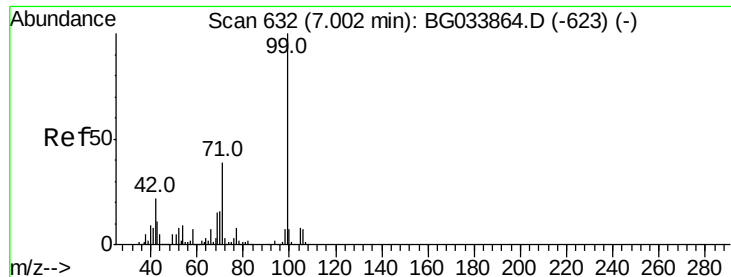


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 27.201 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033908.D

Acq: 21 Apr 2018 6:20

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-D-B

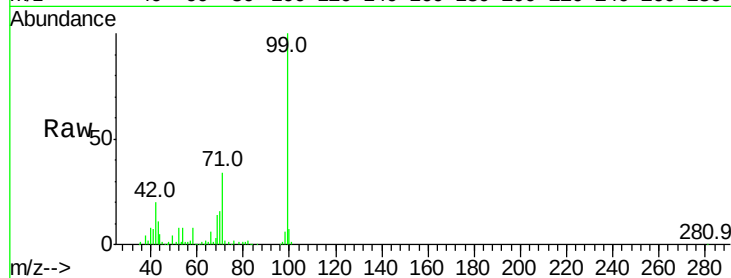
Tot Ion: 99 Resp: 148027

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

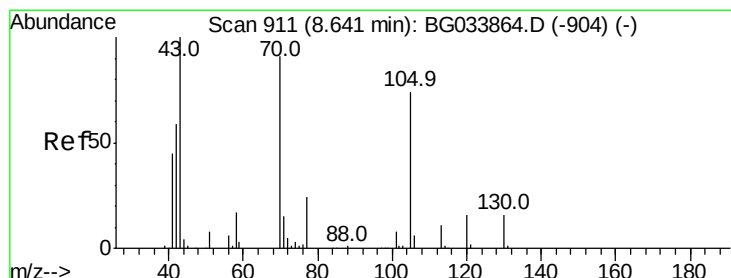
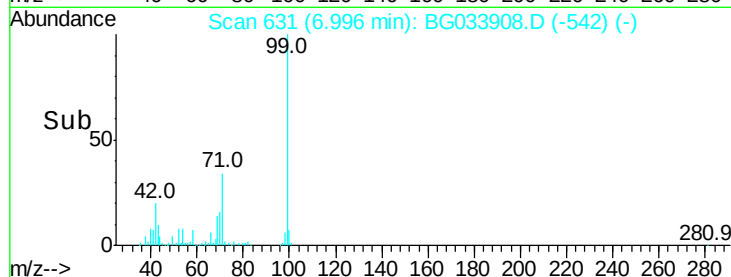
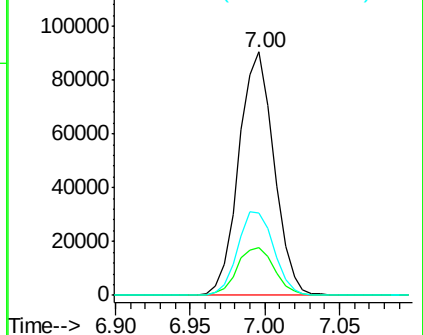
71 33.8 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.750 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033908.D

Acq: 21 Apr 2018 6:20

Tgt Ion: 70 Resp: 59147

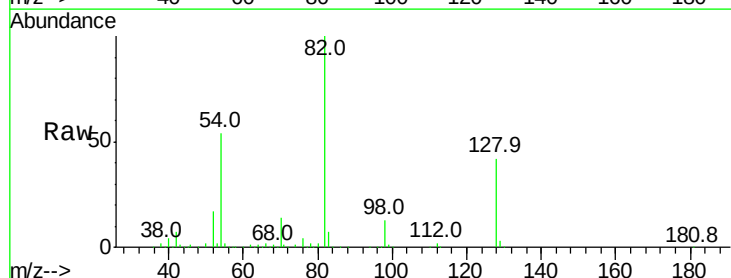
Ion Ratio Lower Upper

70 100

42 49.6 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

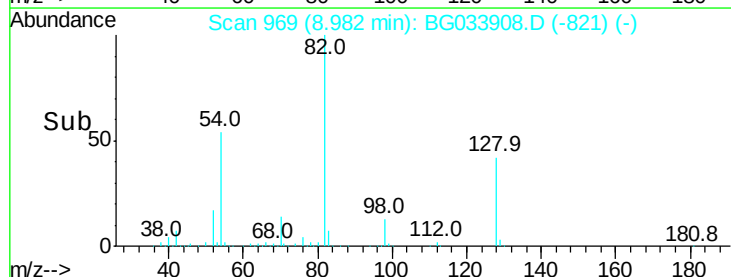
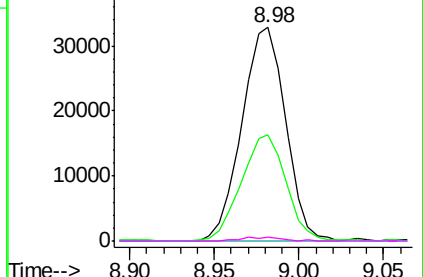


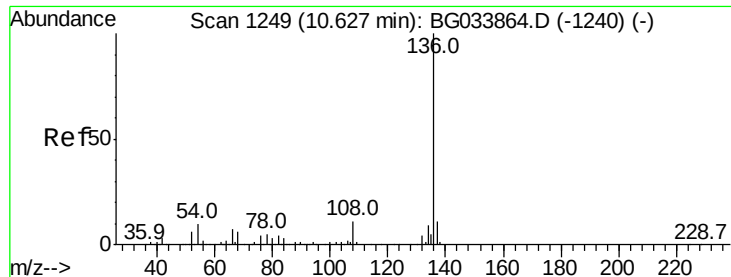
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

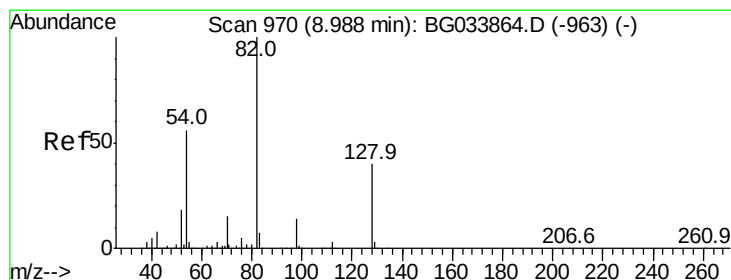
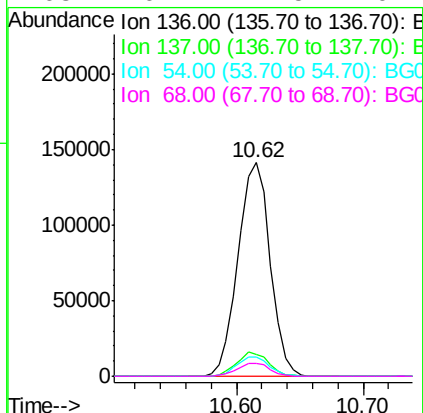
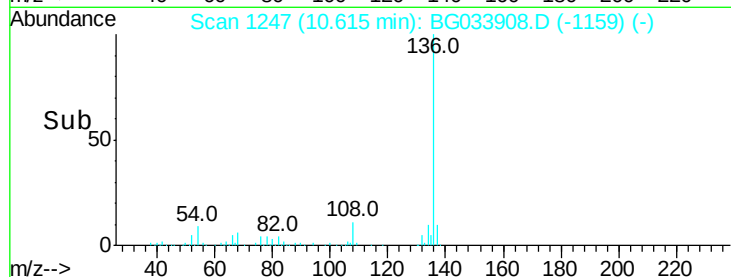
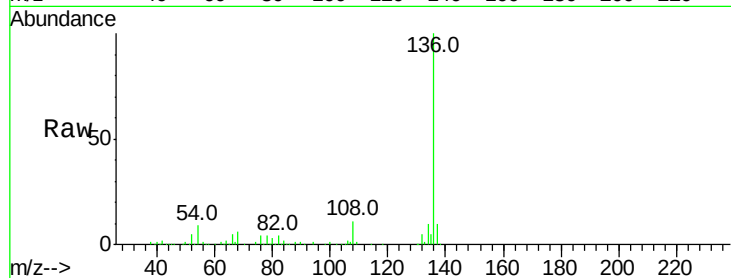




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033908.D
Acq: 21 Apr 2018 6:20

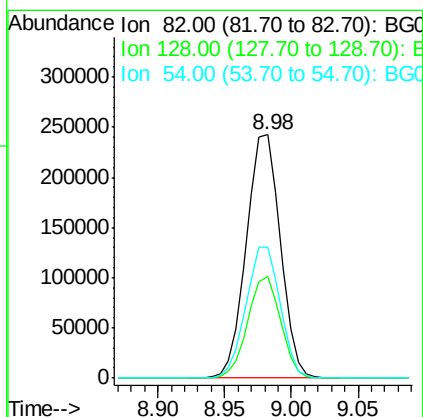
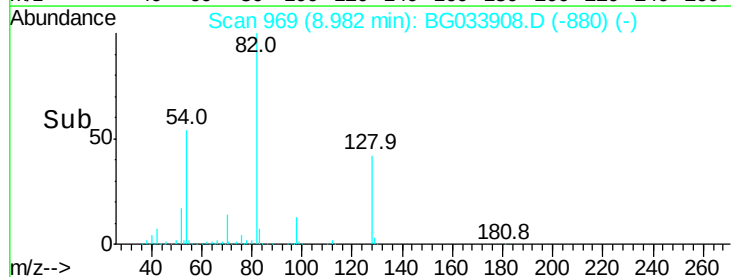
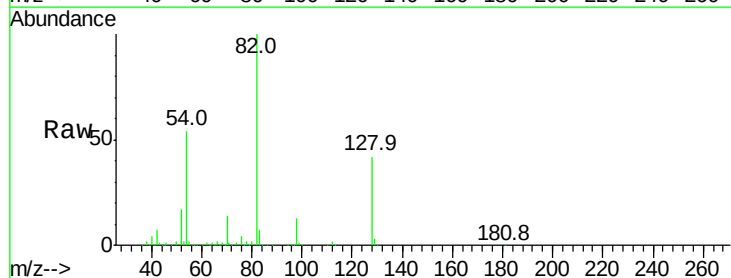
Instrument :
BNA_G
ClientSampleId :
041818-SIDW-F-D-B

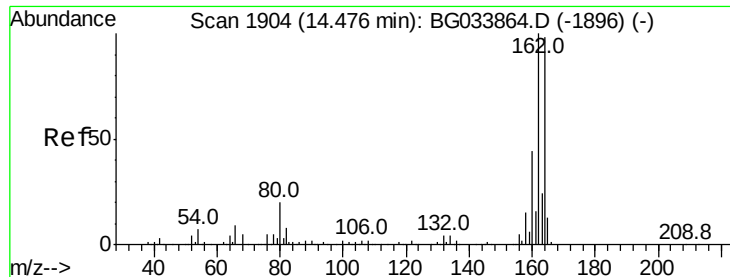
Tot Ion:136	Resp:	247880
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.2 13.8
54	9.3	10.3 15.5#
68	6.2	4.5 6.7



#23
Nitrobenzene-d5
Concen: 98.271 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033908.D
Acq: 21 Apr 2018 6:20

Tgt Ion: 82	Resp:	428038
Ion Ratio	Lower	Upper
82	100	
128	41.7	29.7 44.5
54	53.6	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033908.D

Acq: 21 Apr 2018 6:20

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-D-B

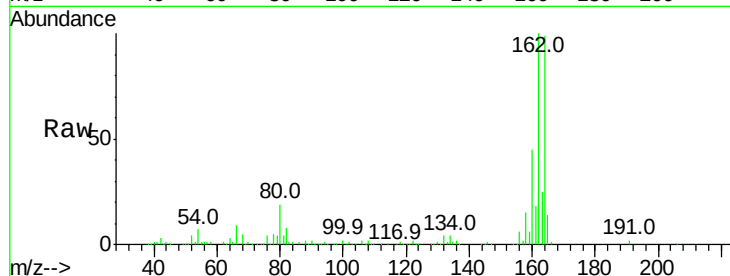
Tot Ion:164 Resp: 162742

Ion Ratio Lower Upper

164 100

162 100.8 78.8 118.2

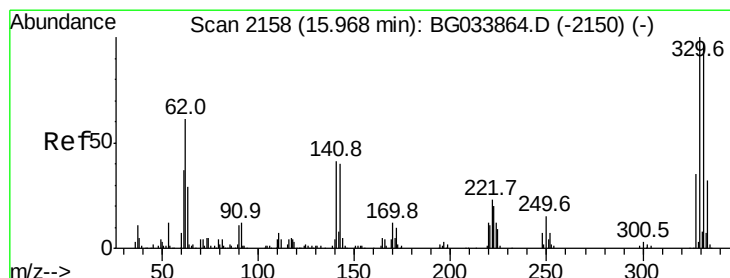
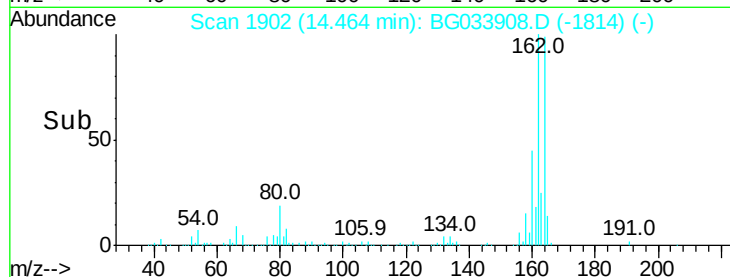
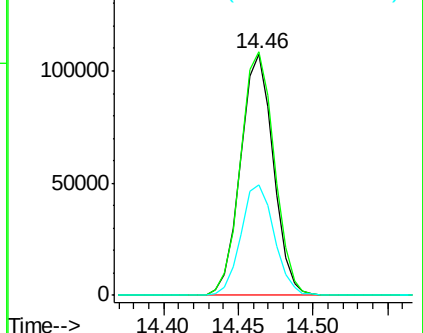
160 45.7 35.4 53.0



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: 115.129 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033908.D

Acq: 21 Apr 2018 6:20

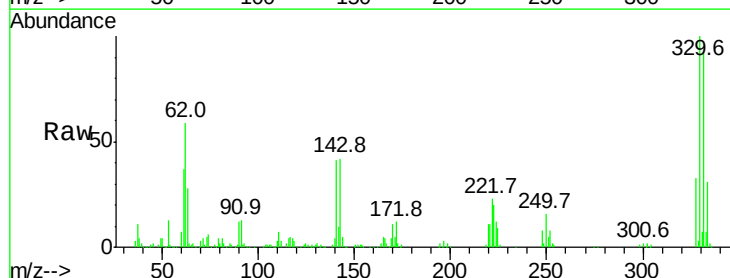
Tgt Ion:330 Resp: 218589

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

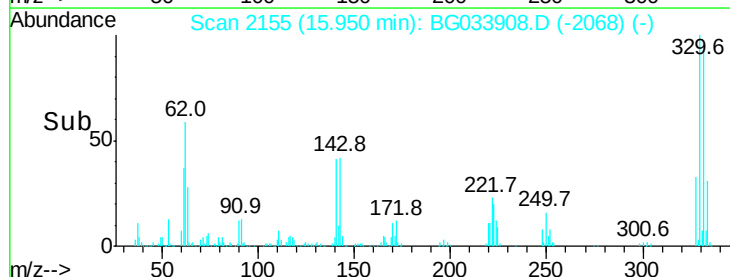
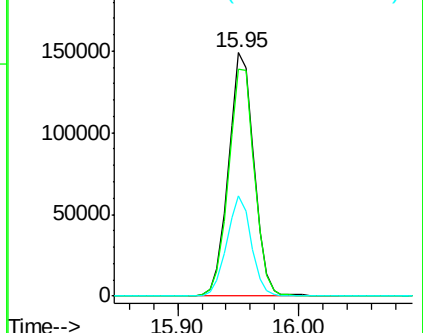
141 39.8 25.2 37.8#

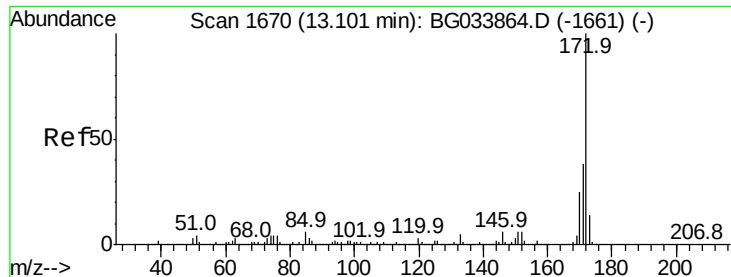


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

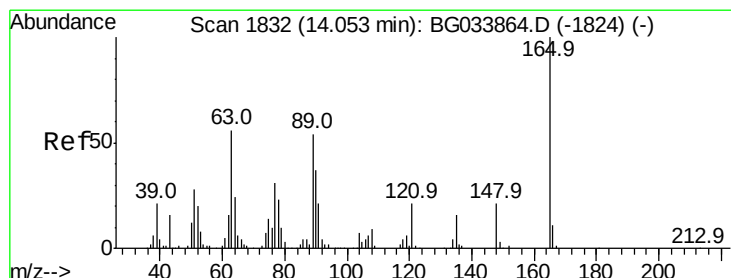
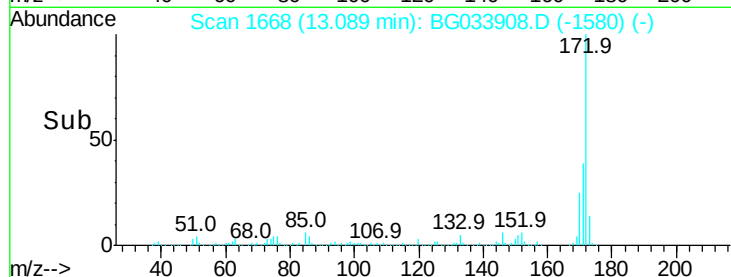
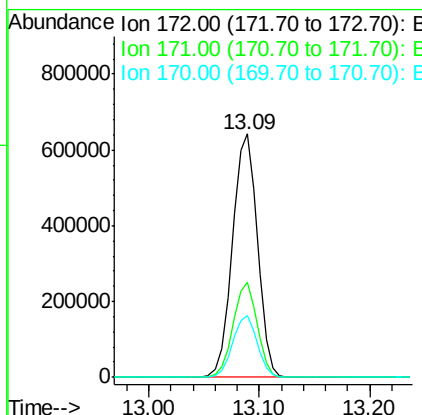
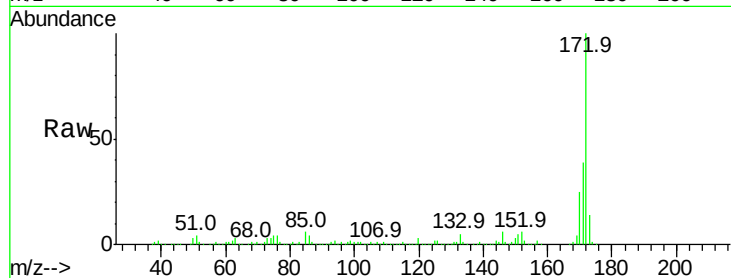




#44
2-Fluorobiphenyl
Concen: 91.881 ng
RT: 13.09 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BG033908.D
Acq: 21 Apr 2018 6:20

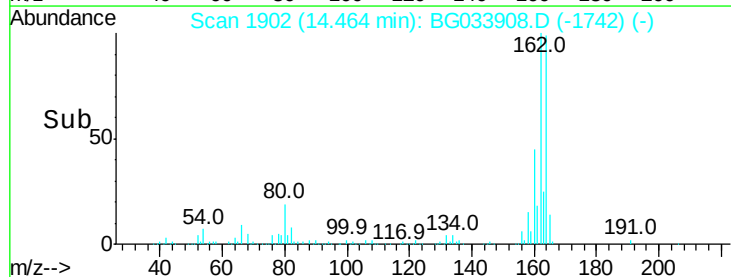
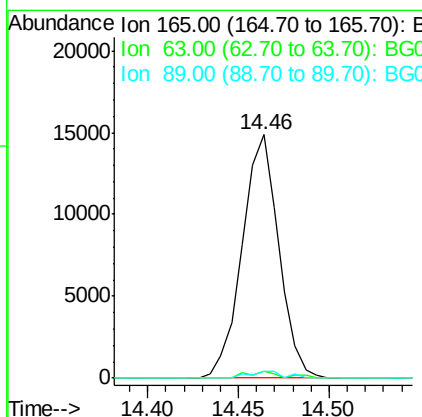
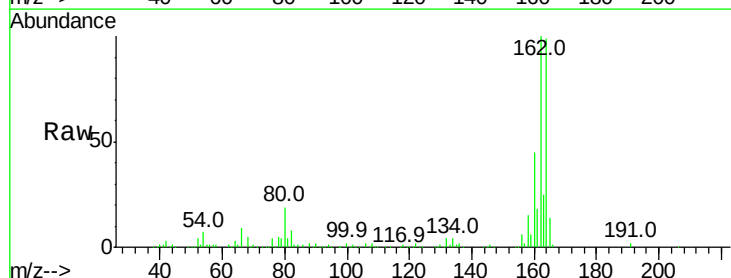
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BNA_G
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041818-SIDW-F-D-B

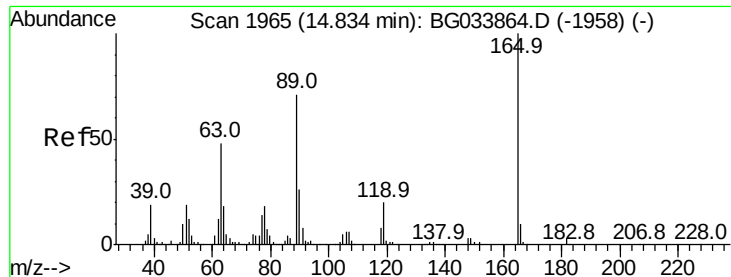
Tot Ion:172 Resp: 1017884
Ion Ratio Lower Upper
172 100
171 38.9 30.0 45.0
170 25.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.729 ng
RT: 14.46 min Scan# 1902
Delta R.T. 0.41 min
Lab File: BG033908.D
Acq: 21 Apr 2018 6:20

Tgt Ion:165 Resp: 20968
Ion Ratio Lower Upper
165 100
63 2.6 52.7 79.1#
89 2.6 49.2 73.8#

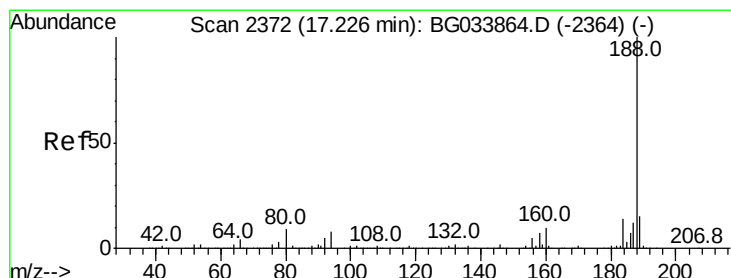
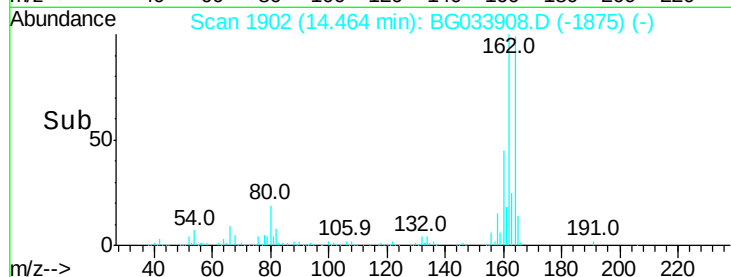
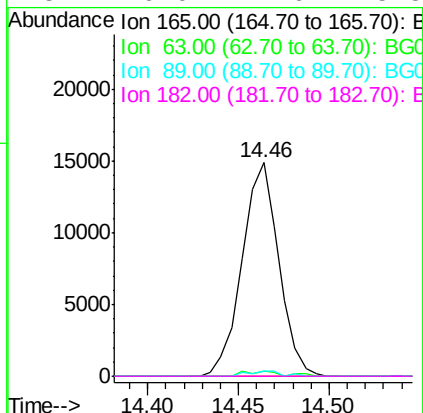
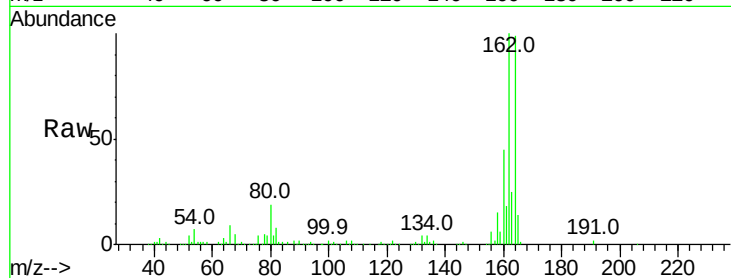




#56
 2,4-Dinitrotoluene
 Concen: 5.812 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. -0.37 min
 Lab File: BG033908.D
 Acq: 21 Apr 2018 6:20

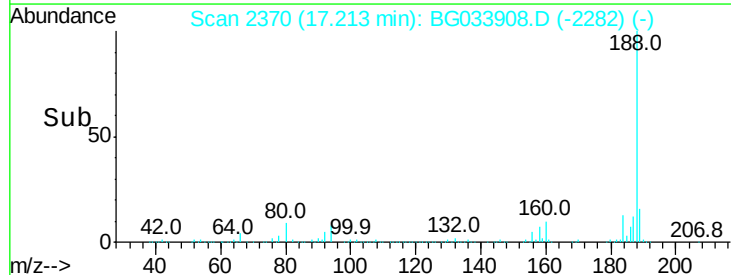
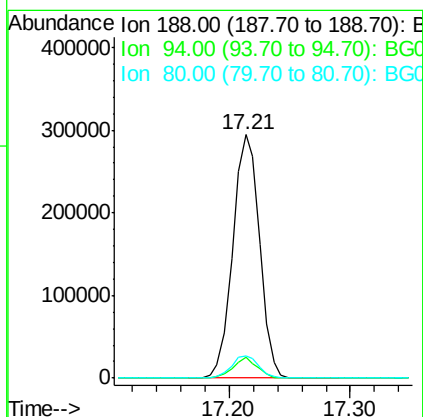
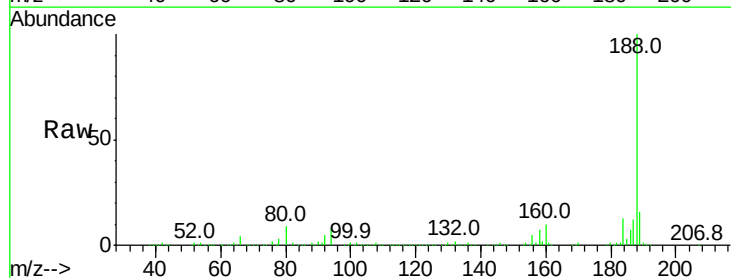
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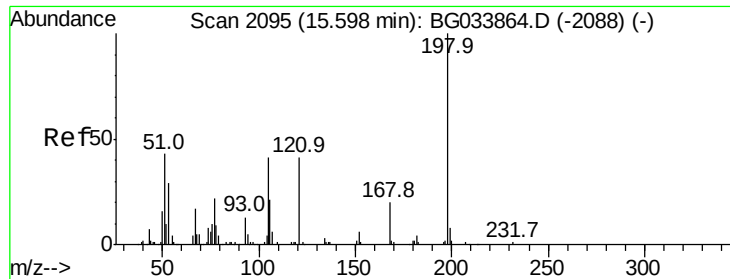
Tot Ion:165 Resp: 20968
 Ion Ratio Lower Upper
 165 100
 63 2.6 42.0 63.0#
 89 2.6 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BG033908.D
 Acq: 21 Apr 2018 6:20

Tgt Ion:188 Resp: 453336
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.9 10.3
 80 8.9 7.7 11.5

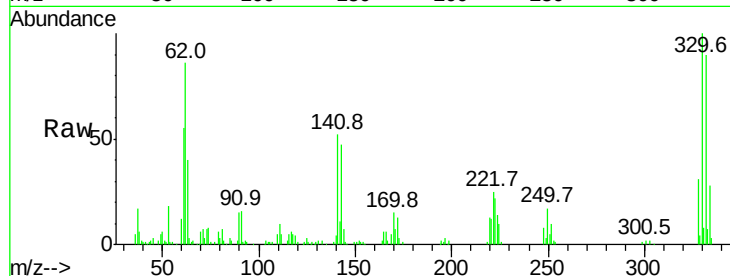




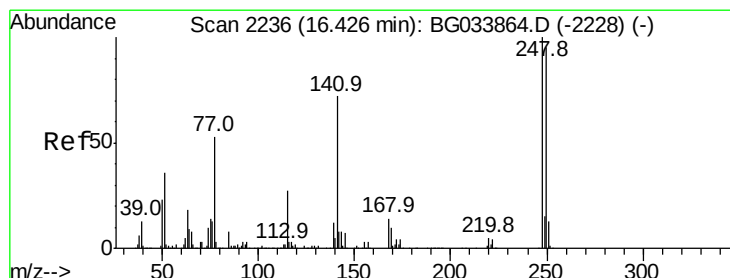
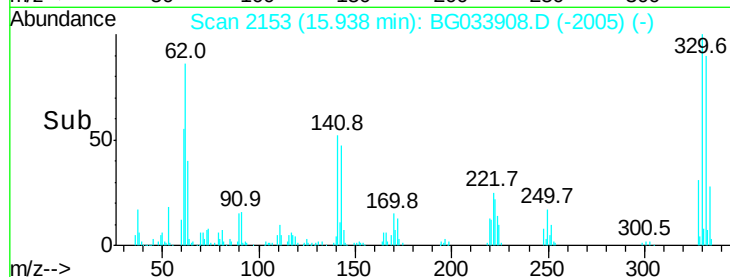
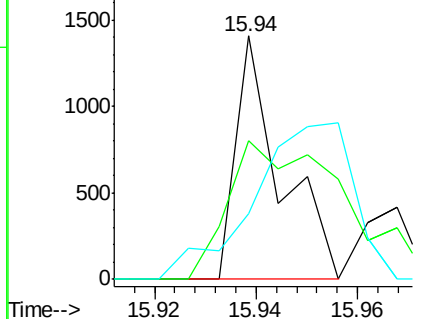
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.831 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. 0.34 min
 Lab File: BG033908.D
 Acq: 21 Apr 2018 6:20

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-D-B

Tot Ion:198 Resp: 862
 Ion Ratio Lower Upper
 198 100
 51 57.2 30.6 70.6
 105 26.9 23.8 63.8

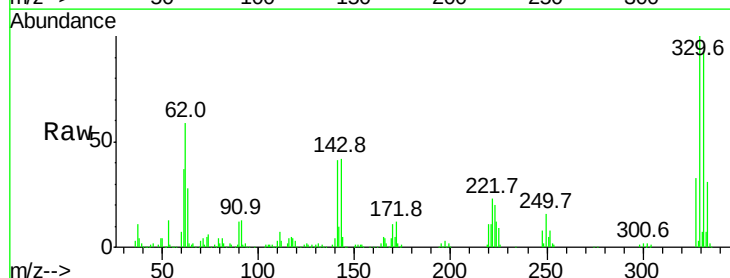


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

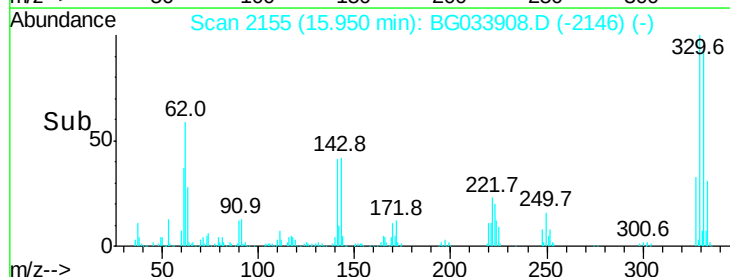
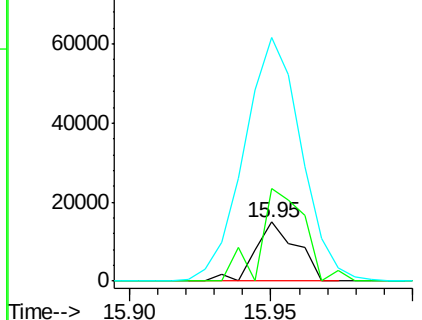


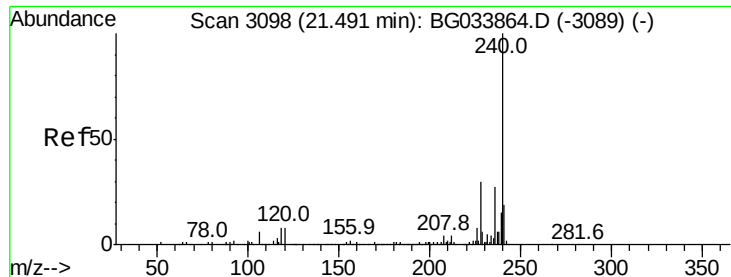
#66
 4-Bromophenyl-phenylether
 Concen: 3.003 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033908.D
 Acq: 21 Apr 2018 6:20

Tgt Ion:248 Resp: 14949
 Ion Ratio Lower Upper
 248 100
 250 203.9 77.1 115.7#
 141 413.0 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: 21.47 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BG033908.D

Acq: 21 Apr 2018 6:20

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-D-B

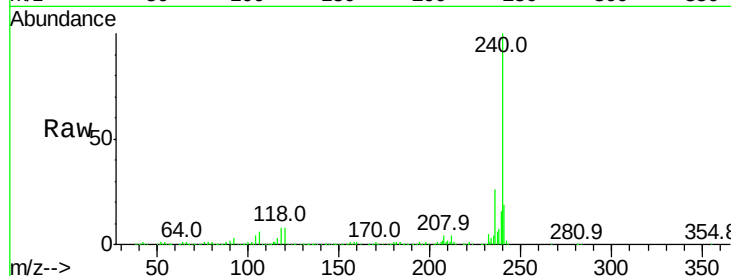
Tot Ion:240 Resp: 529186

Ion Ratio Lower Upper

240 100

120 8.4 6.8 10.2

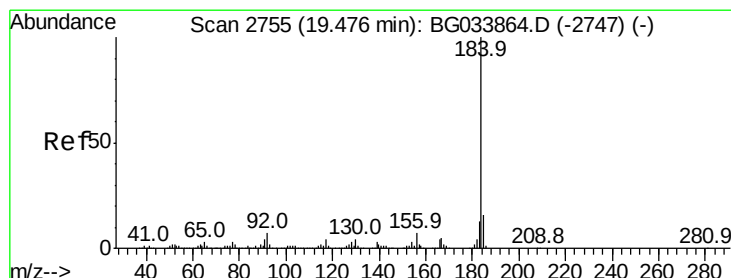
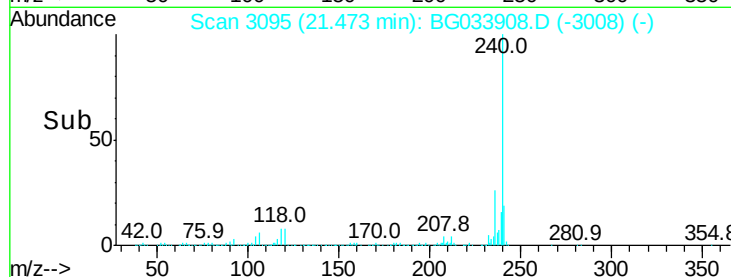
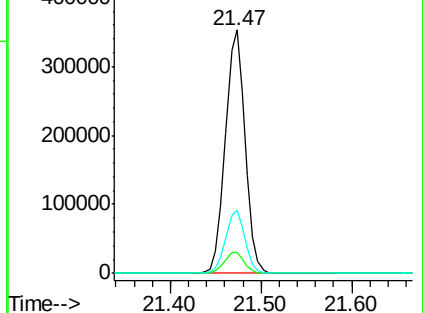
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.520 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033908.D

Acq: 21 Apr 2018 6:20

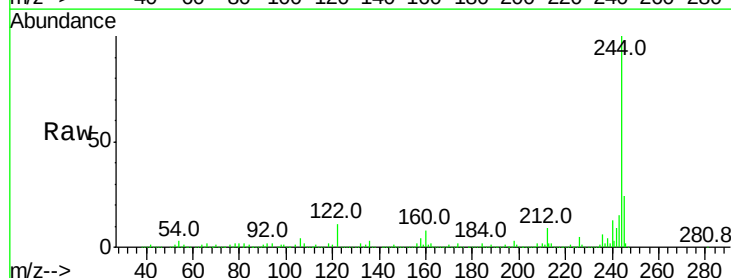
Tgt Ion:184 Resp: 36015

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

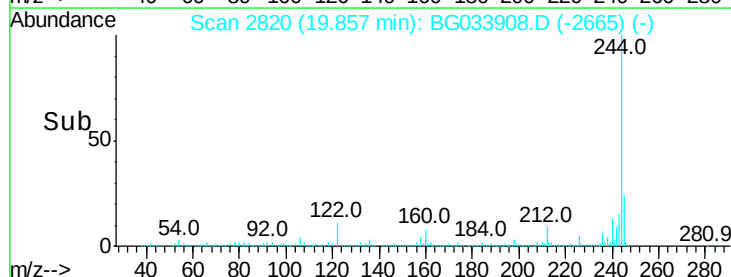
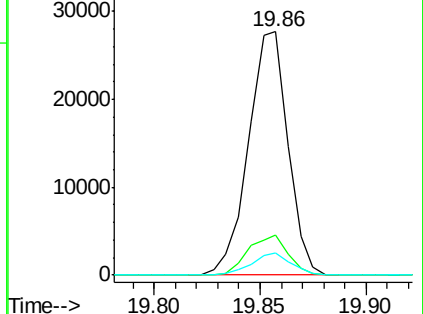
183 9.0 10.6 16.0#

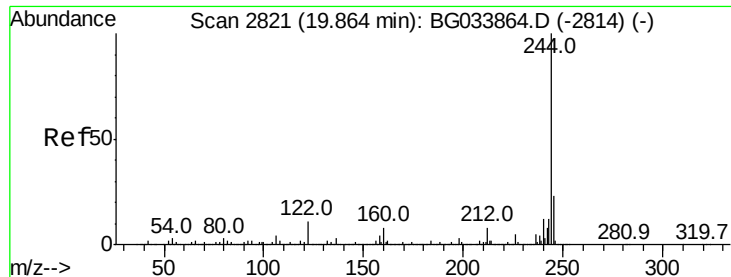


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

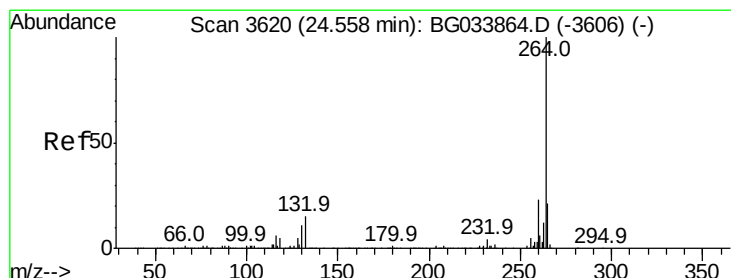
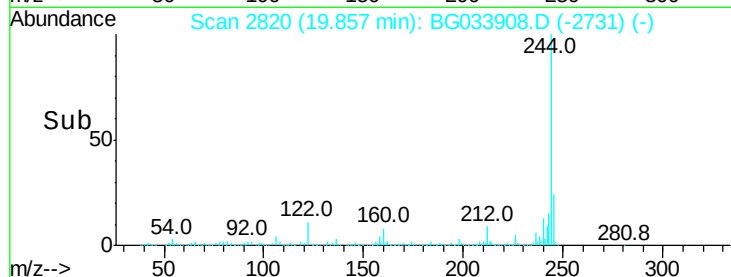
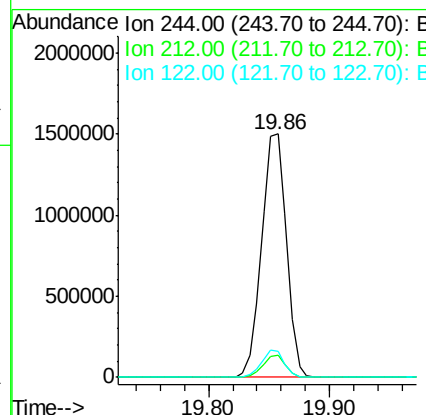
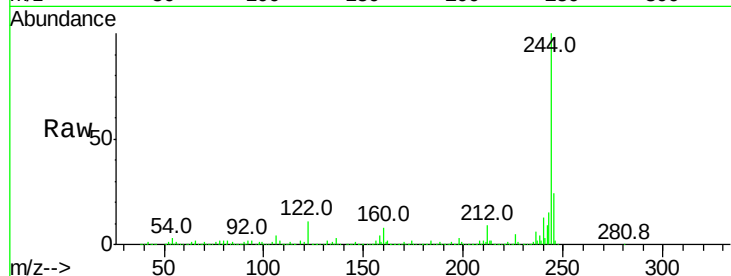




#78
 Terphenyl-d14
 Concen: 90.994 ng
 RT: 19.86 min Scan# 2820
 Delta R.T. -0.01 min
 Lab File: BG033908.D
 Acq: 21 Apr 2018 6:20

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-D-B

Tot Ion:244 Resp: 2143355
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.8 8.8#
 122 10.9 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.53 min Scan# 3616
 Delta R.T. -0.02 min
 Lab File: BG033908.D
 Acq: 21 Apr 2018 6:20

Tgt Ion:264 Resp: 534128
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.4 26.0
 265 21.2 17.7 26.5

