

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082318\
 Data File : BG036373.D
 Acq On : 23 Aug 2018 10:54
 Operator : JU/SJ
 Sample : J4540-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 12:32:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

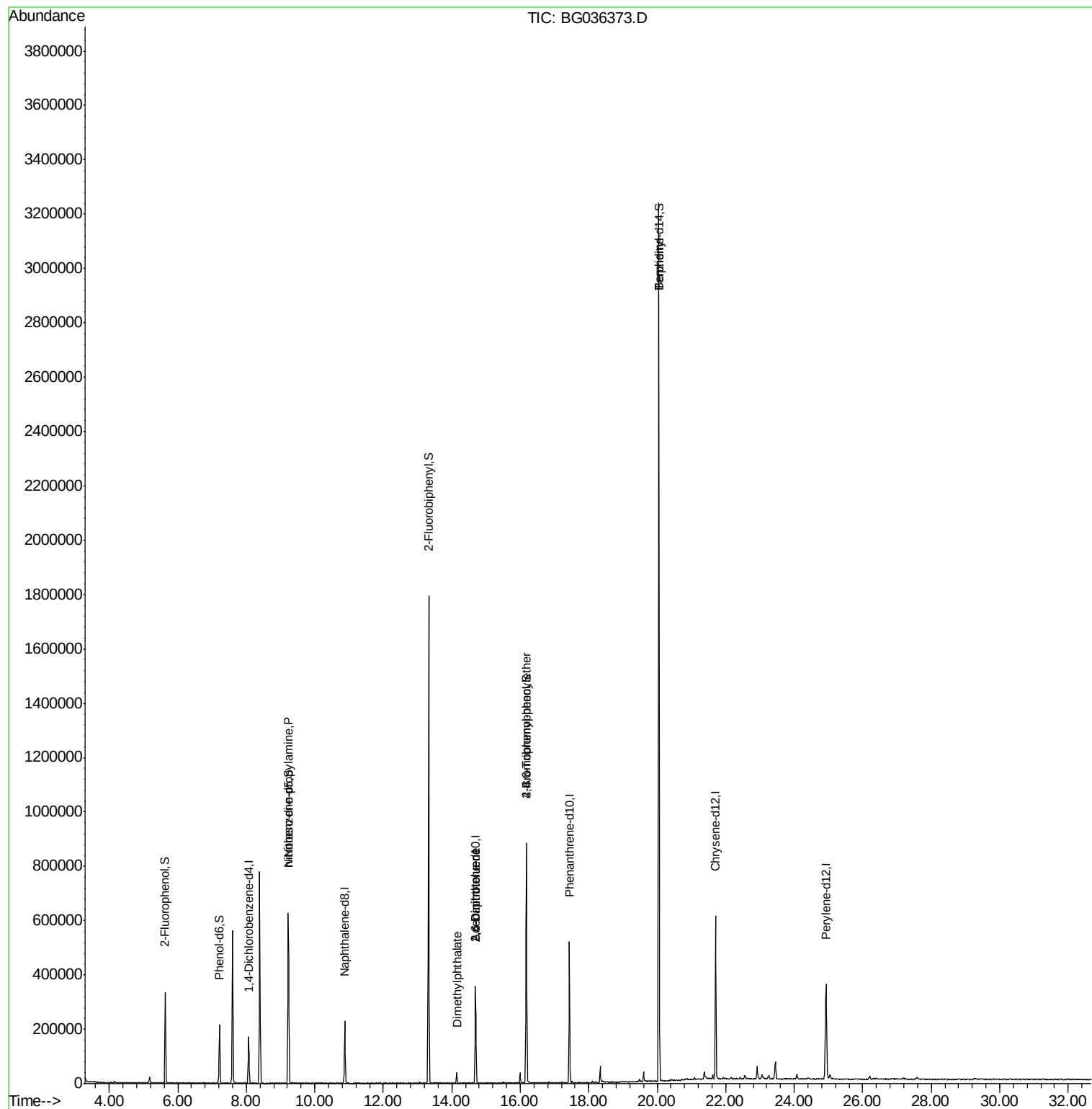
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	46119	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	187864	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	121543	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	310206	20.00	ng	0.00
75) Chrysene-d12	21.71	240	363604	20.00	ng	0.00
86) Perylene-d12	24.93	264	366866	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	137342	47.24	ng	0.00
7) Phenol-d6	7.22	99	120197	28.88	ng	0.00
23) Nitrobenzene-d5	9.23	82	374965	108.29	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	157204	108.40	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	885808	104.06	ng	0.00
78) Terphenyl-d14	20.05	244	1496908	96.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	50768	16.319	ng	# 73
49) Dimethylphthalate	14.14	163	26200	2.640	ng	# 96
50) 2,6-Dinitrotoluene	14.69	165	15391	7.536	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	15391	5.783	ng	# 21
66) 4-Bromophenyl-phenylether	16.18	248	11310	3.114	ng	# 1
76) Benzidine	20.05	184	26473	2.282	ng	# 94

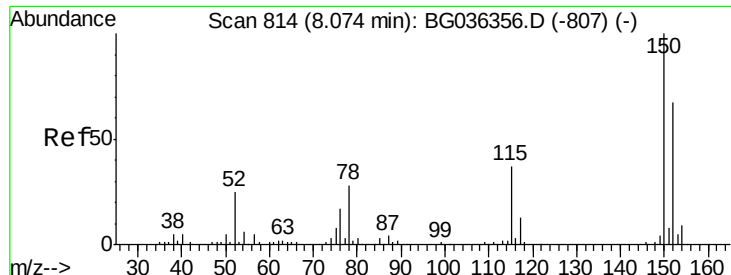
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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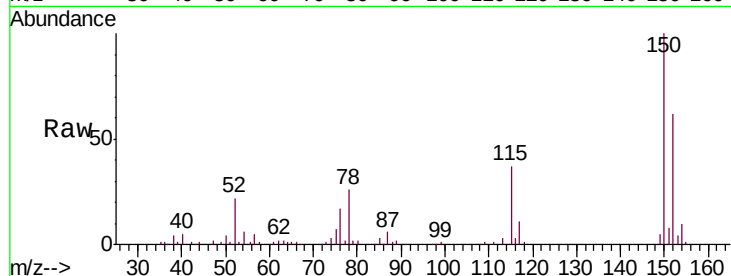


#1

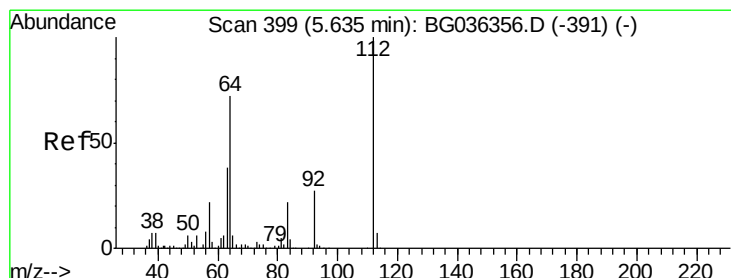
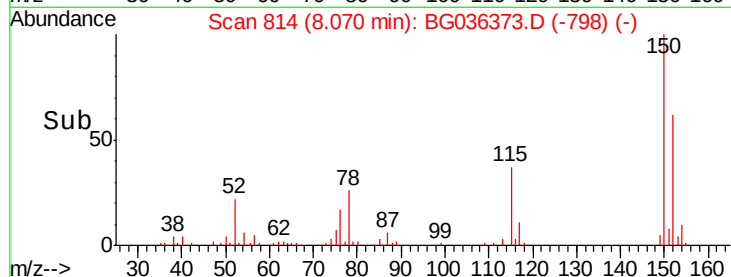
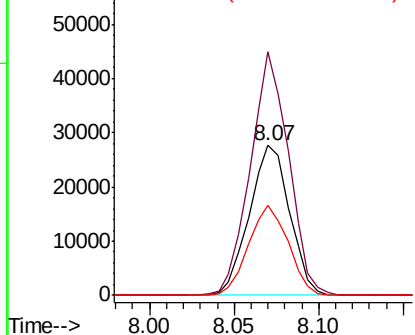
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036373.D
Acq: 23 Aug 2018 10:54

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 46119
Ion Ratio Lower Upper
152 100
150 162.5 119.5 179.3
115 59.9 44.5 66.7



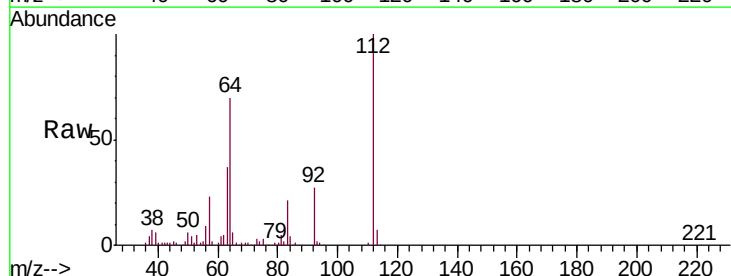
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



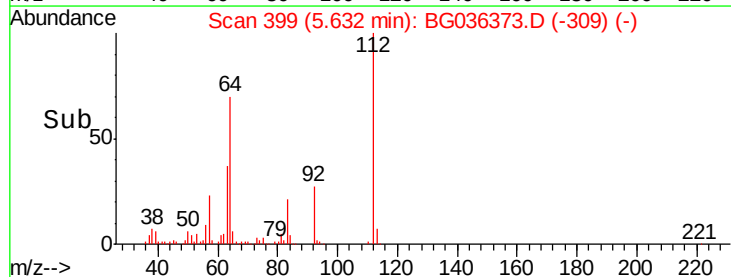
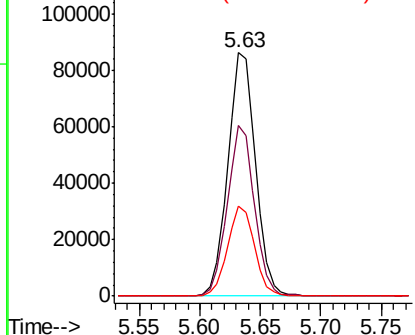
#5

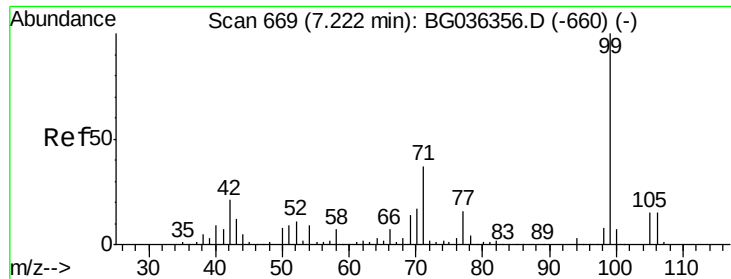
2-Fluorophenol
Concen: 47.240 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036373.D
Acq: 23 Aug 2018 10:54

Tgt Ion:112 Resp: 137342
Ion Ratio Lower Upper
112 100
64 70.4 57.2 85.8
63 36.8 30.8 46.2



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





#7

Phenol-d6

Concen: 28.876 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036373.D

Acq: 23 Aug 2018 10:54

Instrument :

BNA_G

ClientSampleId :

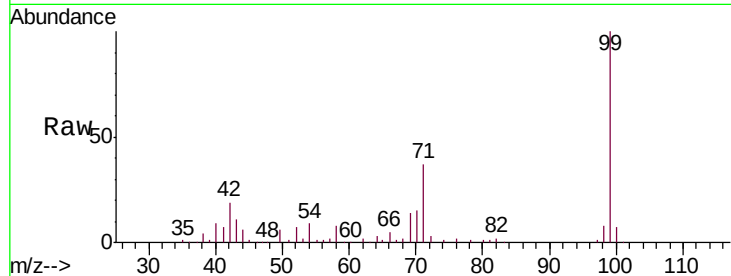
Tgt Ion: 99 Resp: 120197

Ion Ratio Lower Upper

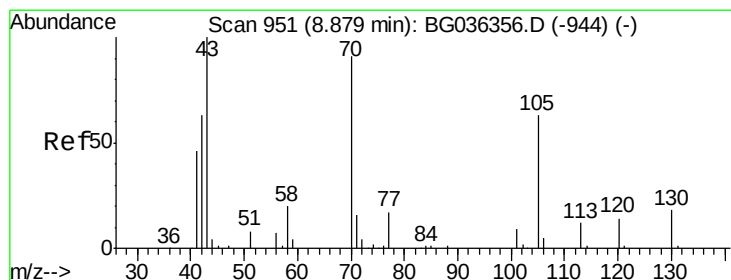
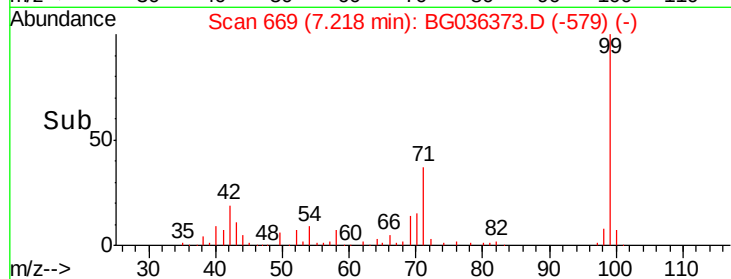
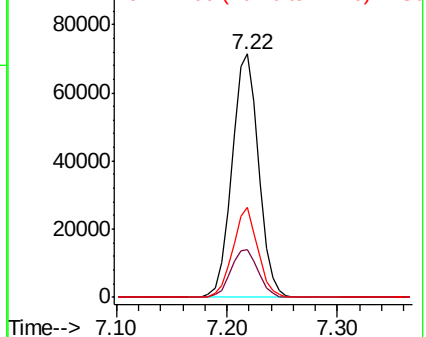
99 100

42 19.4 16.5 24.7

71 37.0 29.4 44.2



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: 16.319 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036373.D

Acq: 23 Aug 2018 10:54

Tgt Ion: 70 Resp: 50768

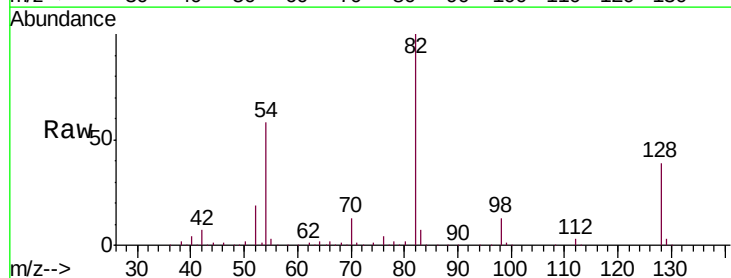
Ion Ratio Lower Upper

70 100

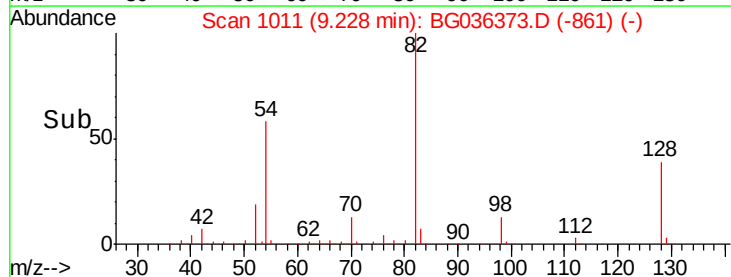
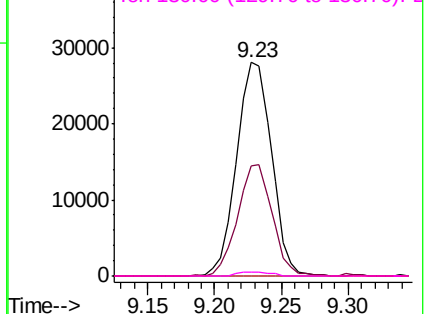
42 51.4 56.2 84.4#

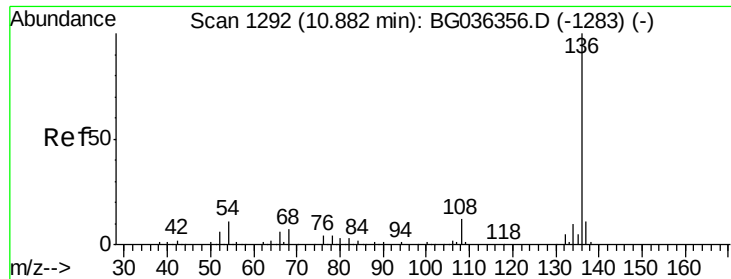
101 0.0 7.8 11.6#

130 1.8 16.2 24.2#



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: 10.88 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BG036373.D

Acq: 23 Aug 2018 10:54

Instrument :

BNA_G

ClientSampleId :

Tgt Ion: 136 Resp: 187864

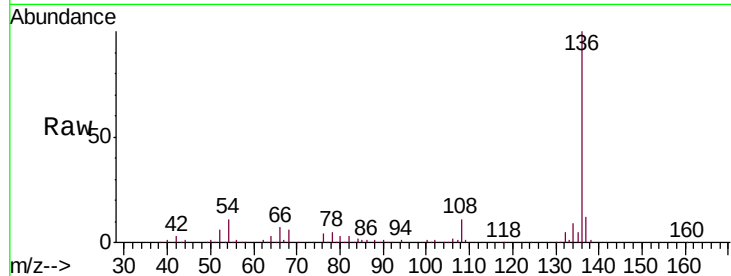
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 10.7 9.2 13.8

68 6.2 5.8 8.6

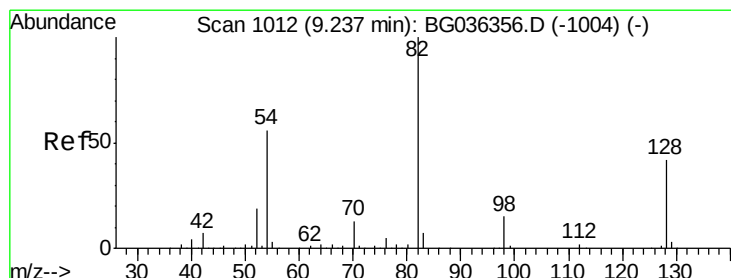
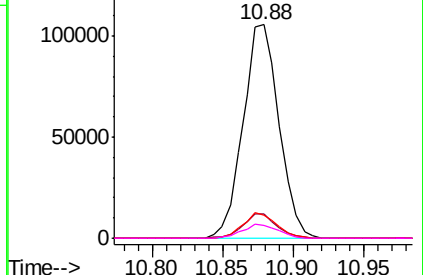
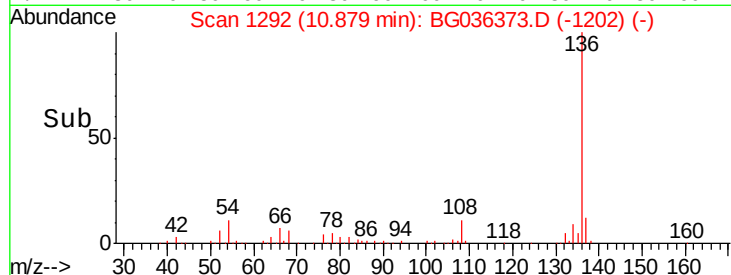


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.293 ng

RT: 9.23 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BG036373.D

Acq: 23 Aug 2018 10:54

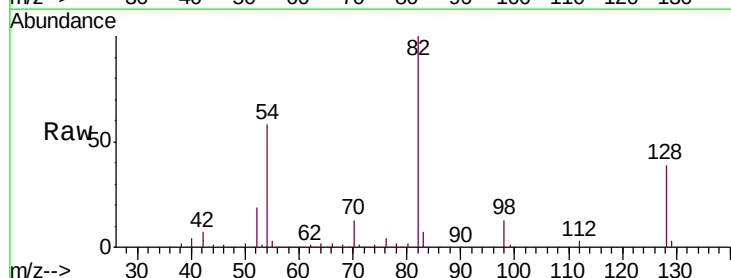
Tgt Ion: 82 Resp: 374965

Ion Ratio Lower Upper

82 100

128 38.8 33.3 49.9

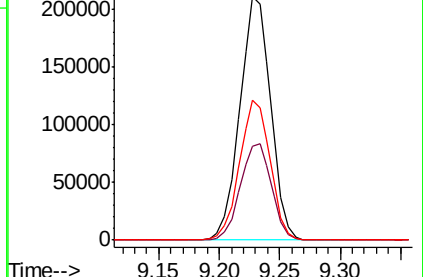
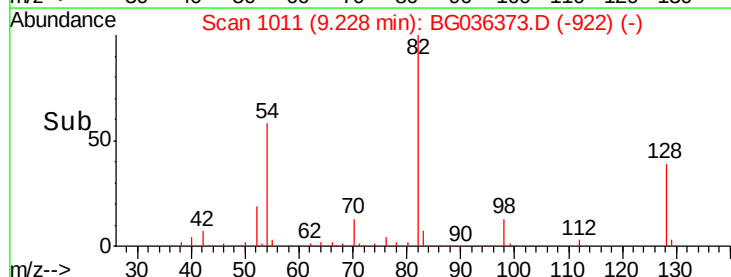
54 57.5 45.1 67.7

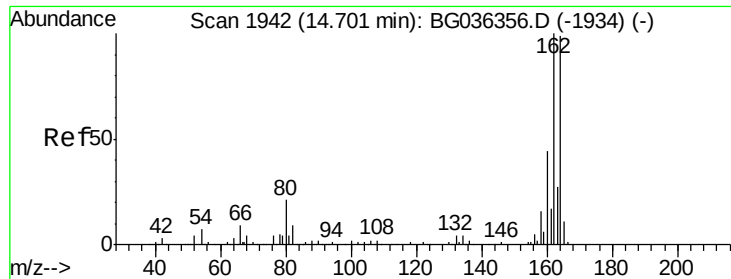


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

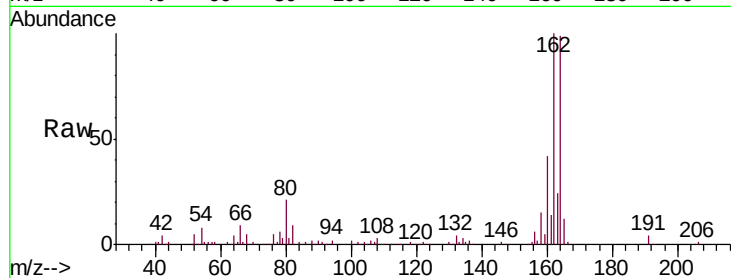




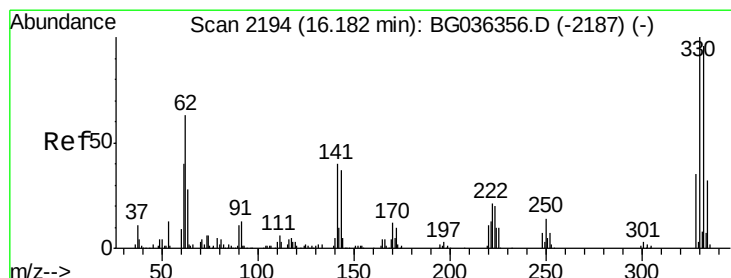
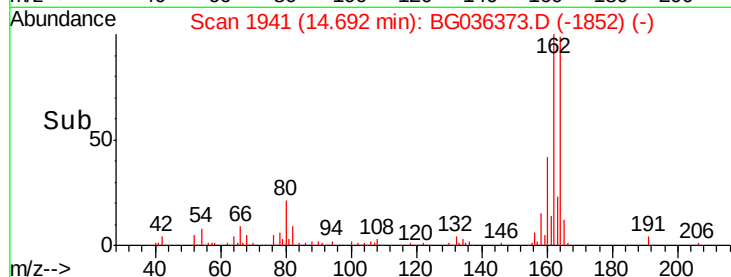
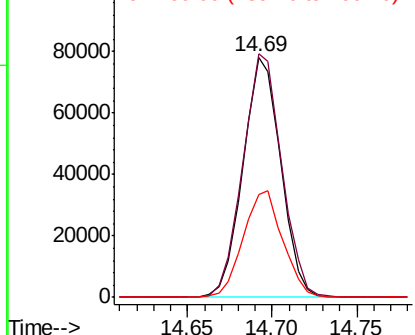
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG036373.D
Acq: 23 Aug 2018 10:54

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:164 Resp: 121543
Ion Ratio Lower Upper
164 100
162 101.4 80.7 121.1
160 42.7 35.3 52.9

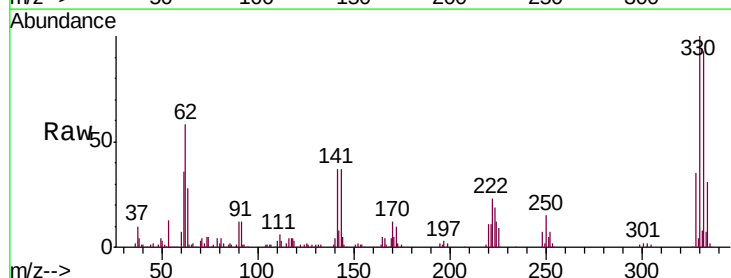


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

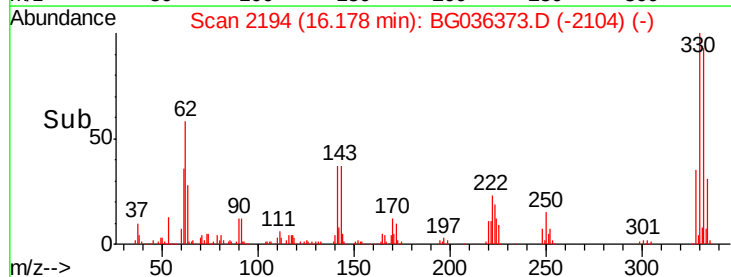
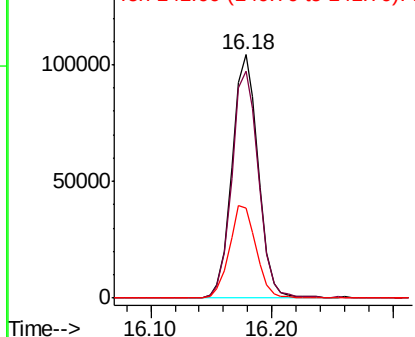


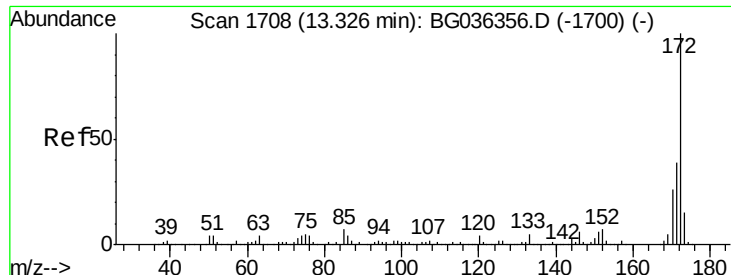
#41
2,4,6-Tribromophenol
Concen: 108.396 ng
RT: 16.18 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BG036373.D
Acq: 23 Aug 2018 10:54

Tgt Ion:330 Resp: 157204
Ion Ratio Lower Upper
330 100
332 95.7 75.4 113.2
141 39.0 30.7 46.1



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

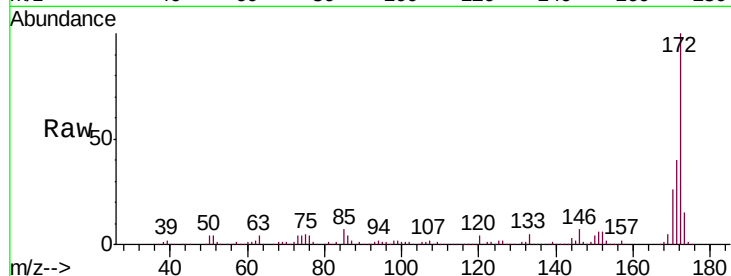




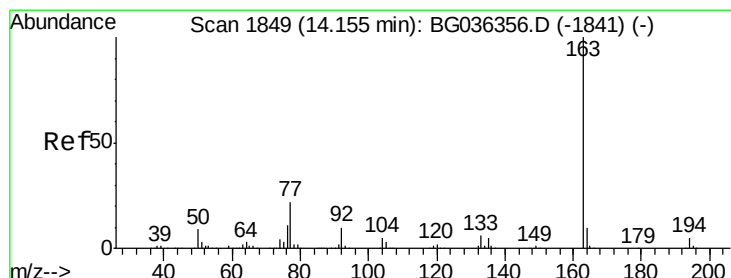
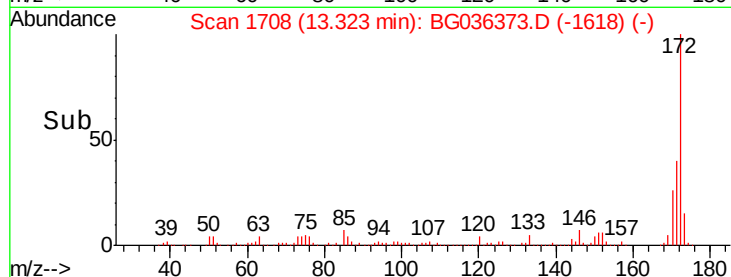
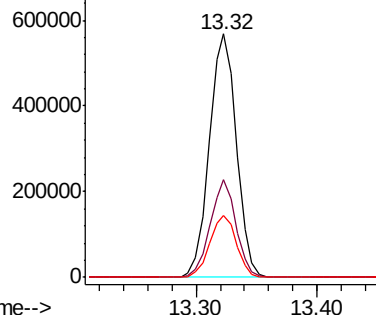
#44
 2-Fluorobiphenyl
 Concen: 104.060 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036373.D
 Acq: 23 Aug 2018 10:54

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.2	31.3	46.9
170	25.6	21.0	31.6

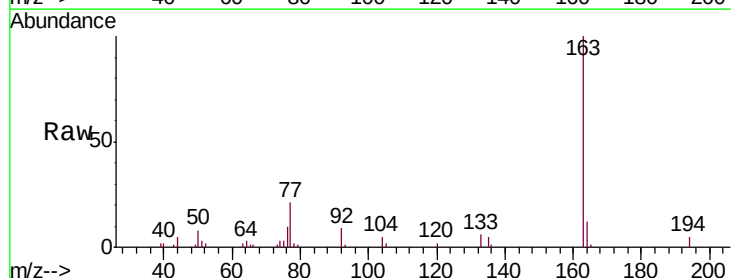


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

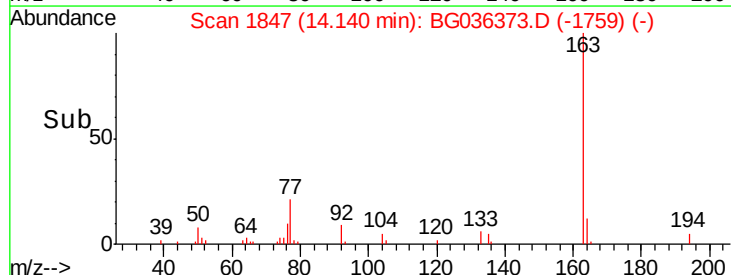
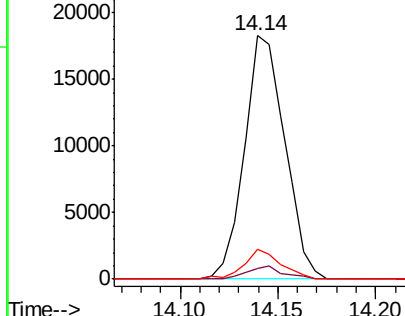


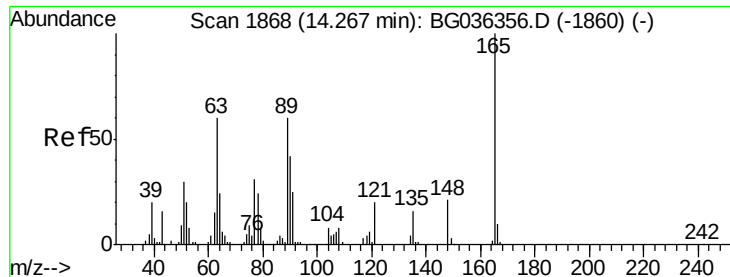
#49
 Dimethylphthalate
 Concen: 2.640 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.02 min
 Lab File: BG036373.D
 Acq: 23 Aug 2018 10:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.0	6.0
164	12.2	8.1	12.1#



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

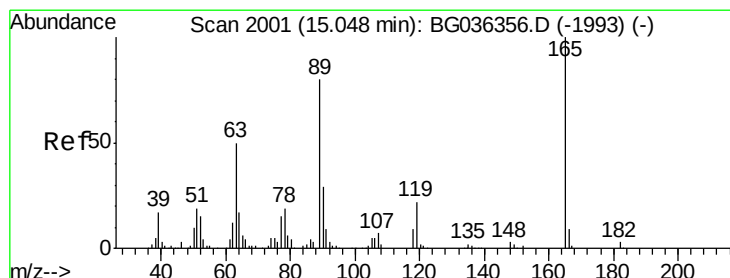
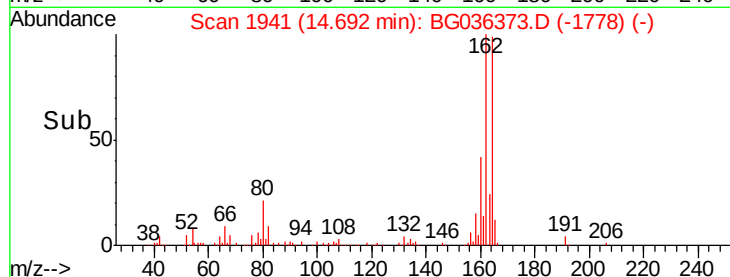
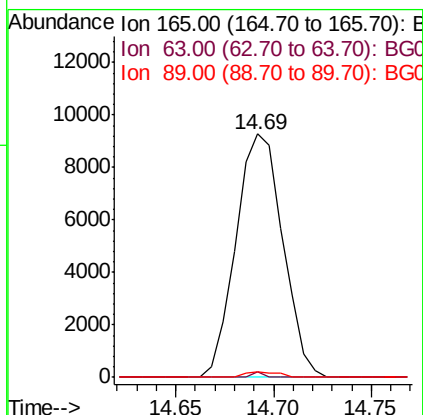
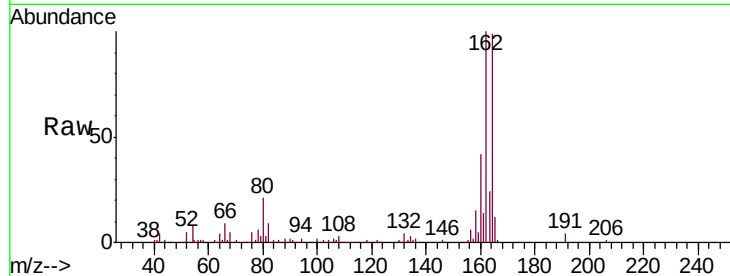




#50
 2,6-Dinitrotoluene
 Concen: 7.536 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. 0.43 min
 Lab File: BG036373.D
 Acq: 23 Aug 2018 10:54

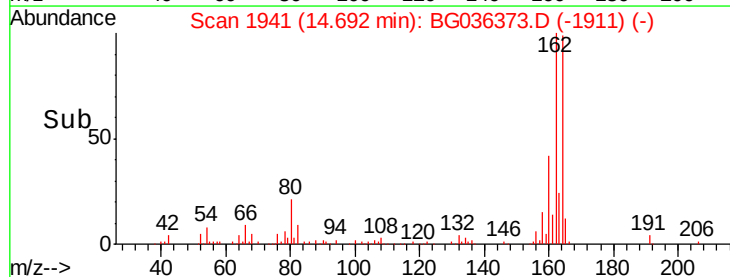
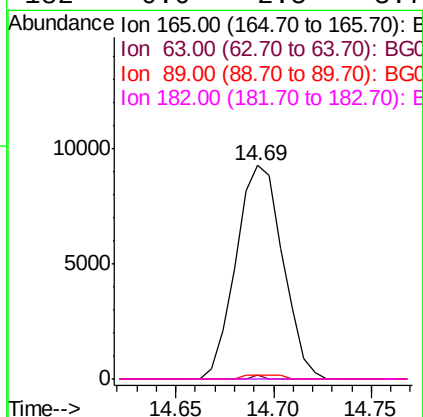
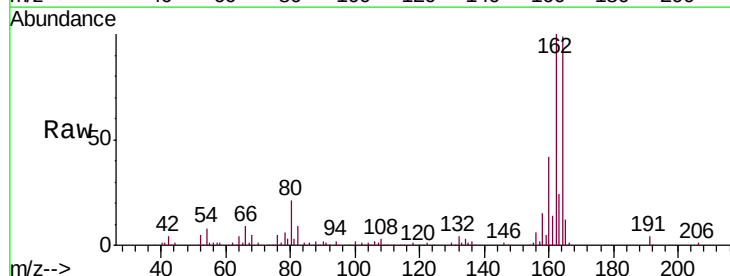
Instrument :
 BNA_G
 ClientSampleId :

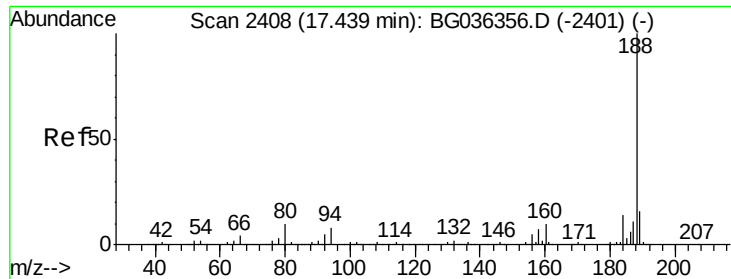
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	50.1	75.1#
89	2.0	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.783 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.36 min
 Lab File: BG036373.D
 Acq: 23 Aug 2018 10:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	40.1	60.1#
89	2.0	63.7	95.5#
182	0.0	2.5	3.7#

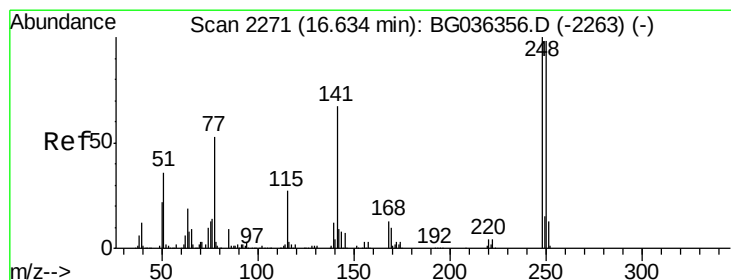
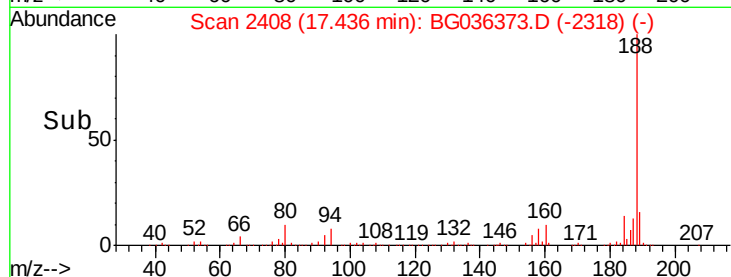
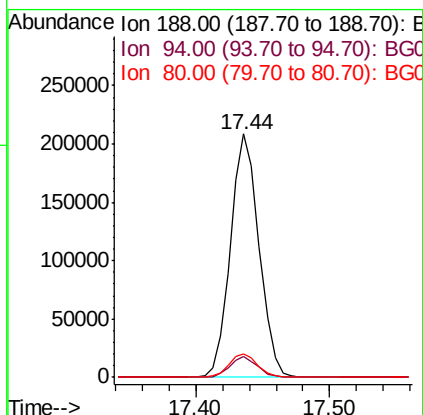
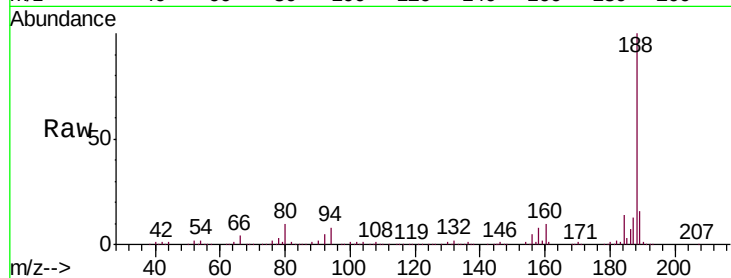




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BG036373.D
Acq: 23 Aug 2018 10:54

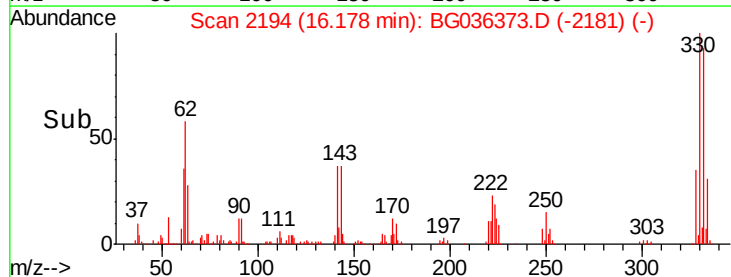
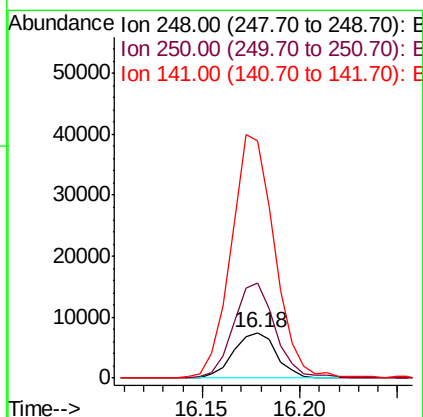
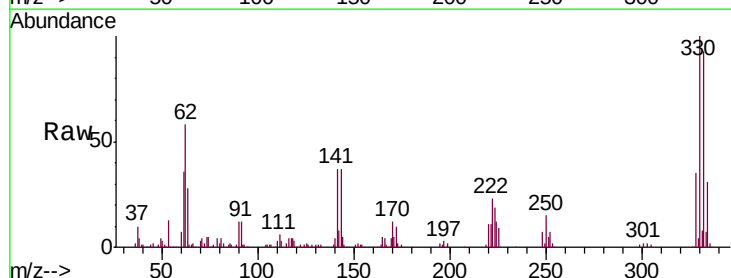
Instrument :
BNA_G
ClientSampled :

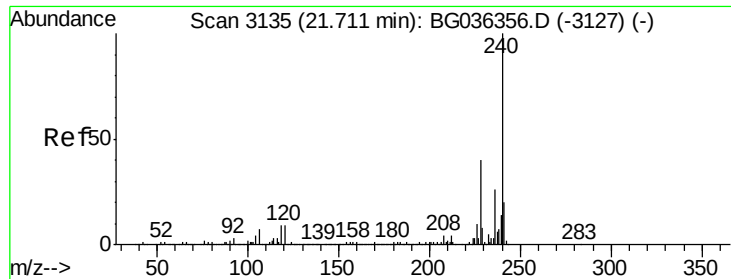
Tgt Ion:188 Resp: 310206
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 9.7 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 3.114 ng
RT: 16.18 min Scan# 2194
Delta R.T. -0.46 min
Lab File: BG036373.D
Acq: 23 Aug 2018 10:54

Tgt Ion:248 Resp: 11310
Ion Ratio Lower Upper
248 100
250 208.3 78.1 117.1#
141 521.8 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.71 min Scan# 3135

Delta R.T. -0.00 min

Lab File: BG036373.D

Acq: 23 Aug 2018 10:54

Instrument :

BNA_G

ClientSampleId :

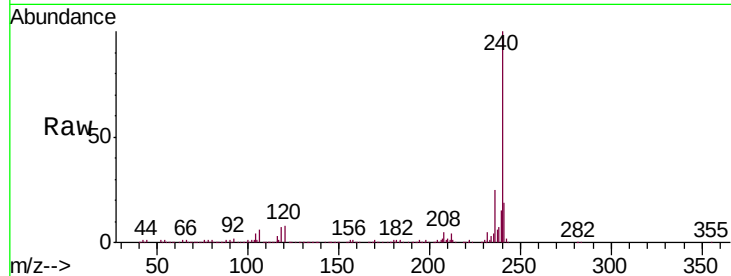
Tgt Ion:240 Resp: 363604

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

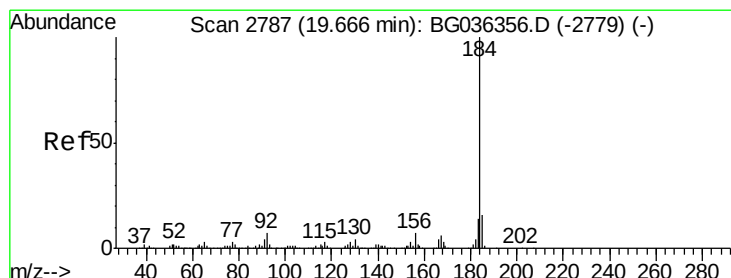
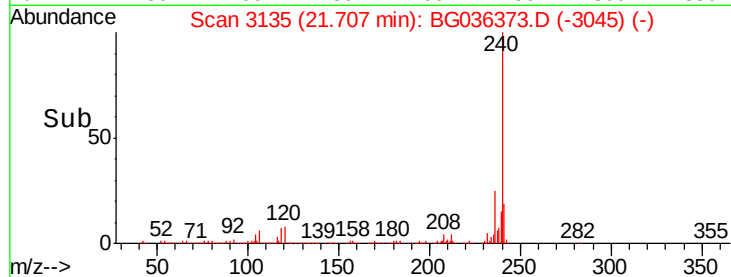
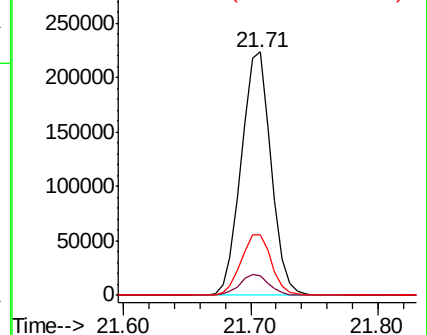
236 24.9 21.2 31.8



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: 2.282 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.38 min

Lab File: BG036373.D

Acq: 23 Aug 2018 10:54

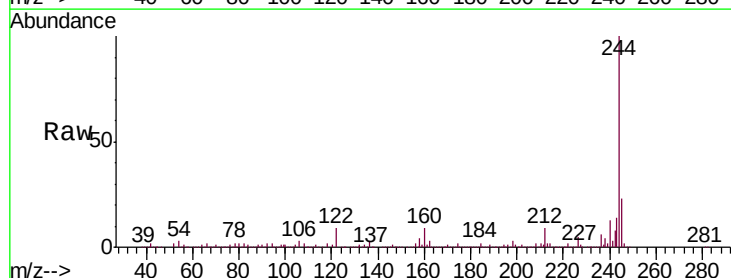
Tgt Ion:184 Resp: 26473

Ion Ratio Lower Upper

184 100

185 16.5 12.6 18.8

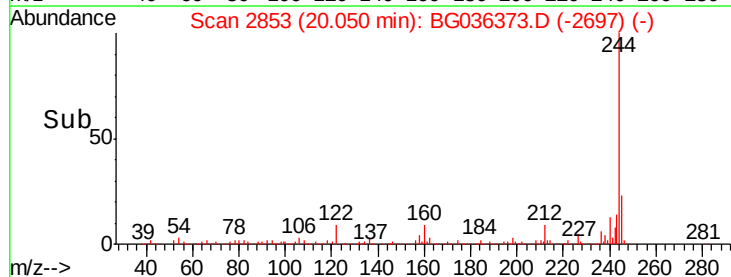
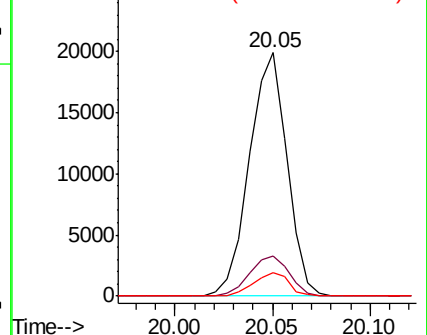
183 9.7 10.9 16.3#

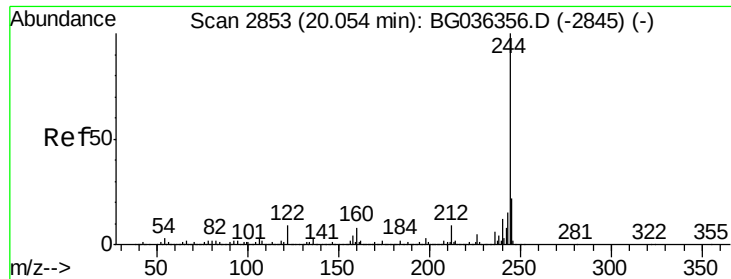


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.225 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG036373.D

Acq: 23 Aug 2018 10:54

Instrument :

BNA_G

ClientSampled :

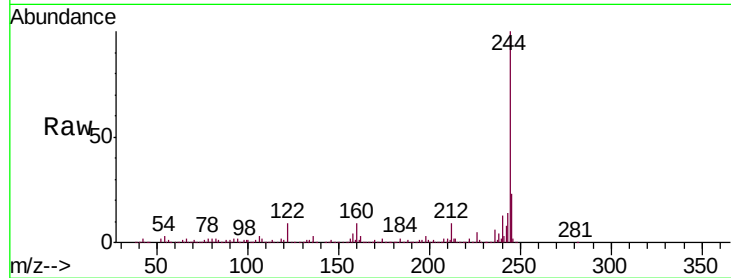
Tgt Ion:244 Resp: 1496908

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.6

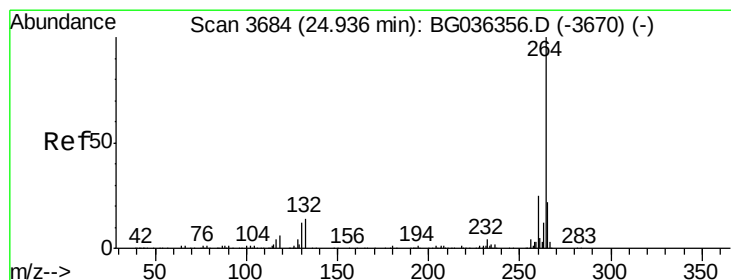
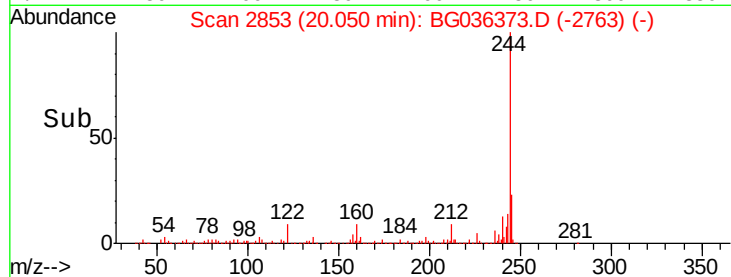
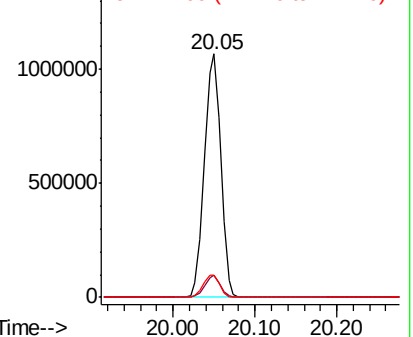
122 9.3 7.1 10.7



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: 24.93 min Scan# 3683

Delta R.T. -0.01 min

Lab File: BG036373.D

Acq: 23 Aug 2018 10:54

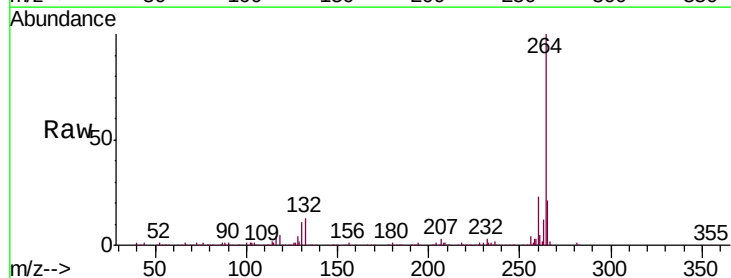
Tgt Ion:264 Resp: 366866

Ion Ratio Lower Upper

264 100

260 22.8 19.6 29.4

265 21.4 17.4 26.0



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

