

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036392.D
 Acq On : 24 Aug 2018 00:45
 Operator : JU/SJ
 Sample : J4283-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 03:35:16 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

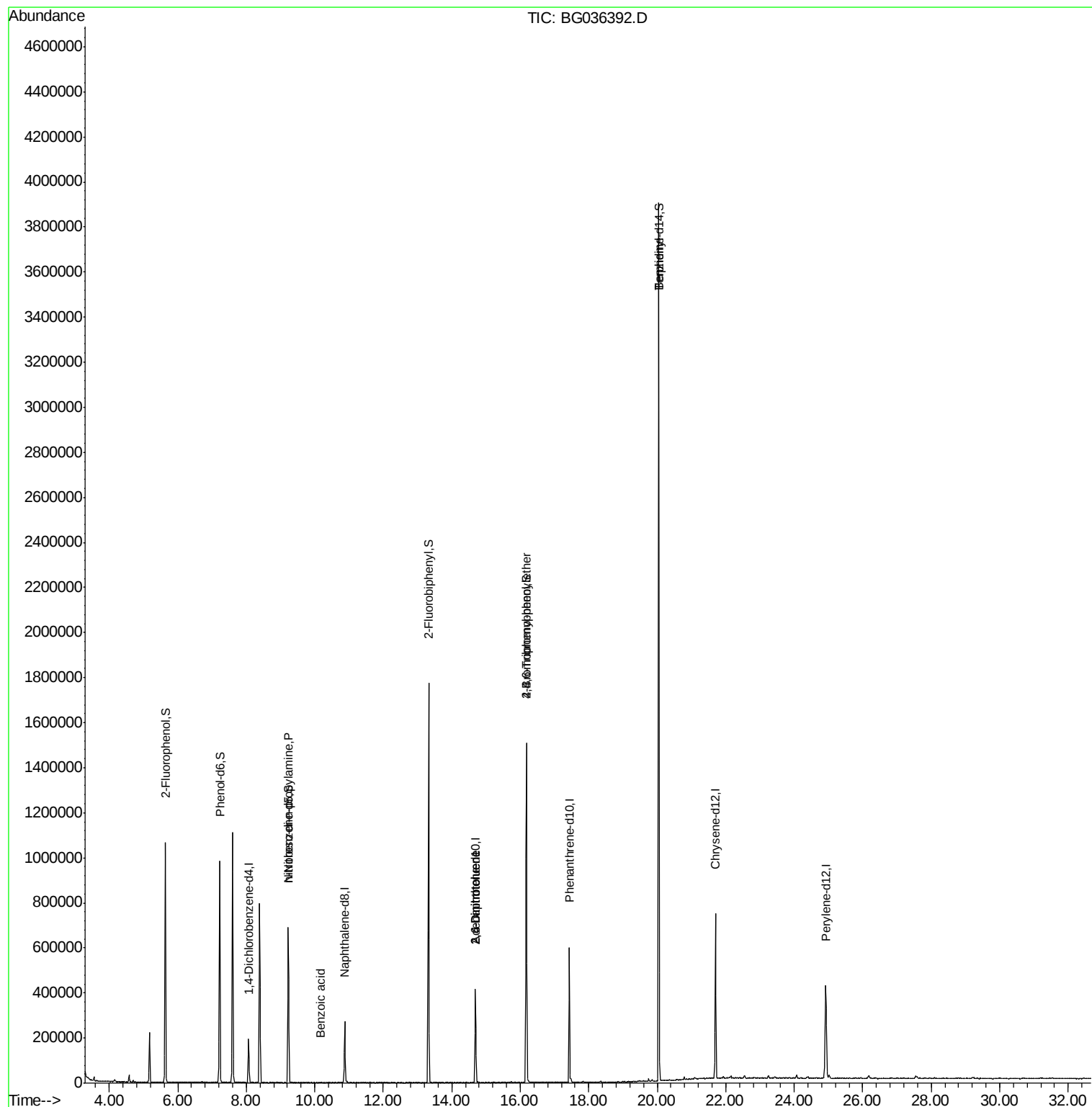
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	53938	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	223784	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	141871	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	378981	20.00	ng	0.00
75) Chrysene-d12	21.70	240	437405	20.00	ng	0.00
86) Perylene-d12	24.92	264	436555	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	435197	127.99	ng	0.00
7) Phenol-d6	7.22	99	548490	112.67	ng	0.00
23) Nitrobenzene-d5	9.23	82	404807	98.15	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	277987	164.21	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	929432	93.54	ng	0.00
78) Terphenyl-d14	20.04	244	1728092	92.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	55211	15.175	ng	# 72
32) Benzoic acid	10.18	122	73	4.506	ng	# 1
50) 2,6-Dinitrotoluene	14.69	165	18545	7.780	ng	# 21
56) 2,4-Dinitrotoluene	14.69	165	18545	5.969	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	20003	4.508	ng	# 1
76) Benzidine	20.04	184	31000	2.221	ng	# 92

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

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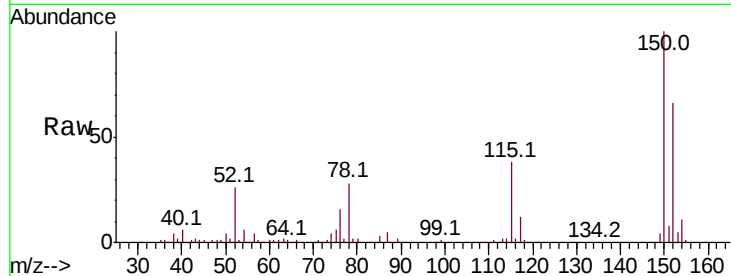


#1

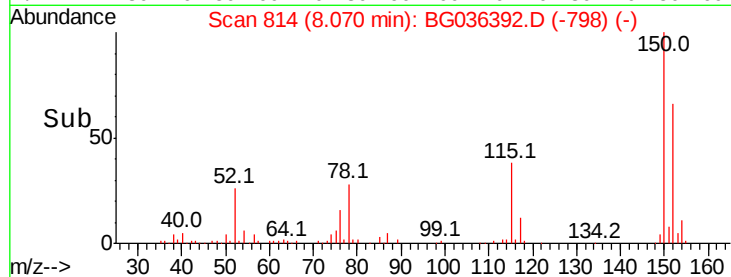
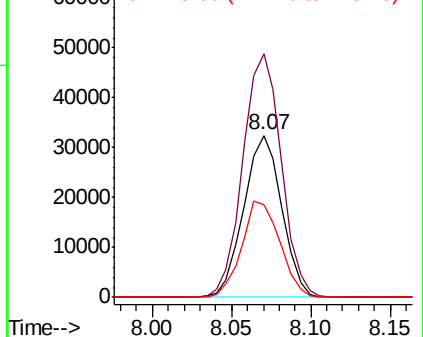
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036392.D
Acq: 24 Aug 2018 00:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53938
Ion Ratio Lower Upper
152 100
150 150.6 119.5 179.3
115 57.0 44.5 66.7



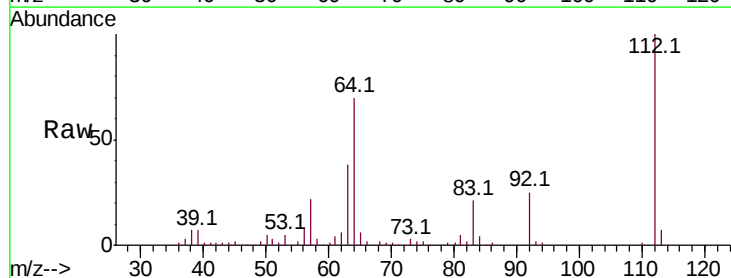
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



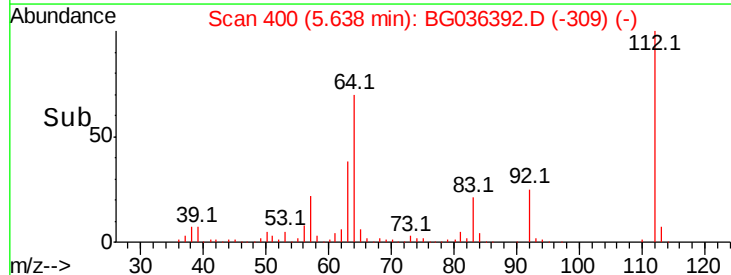
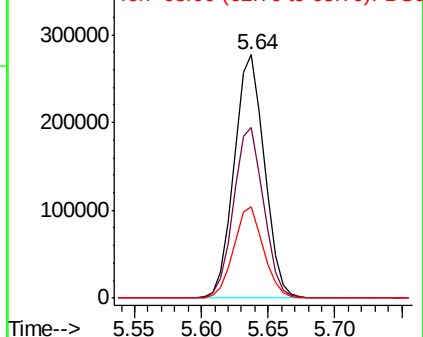
#5

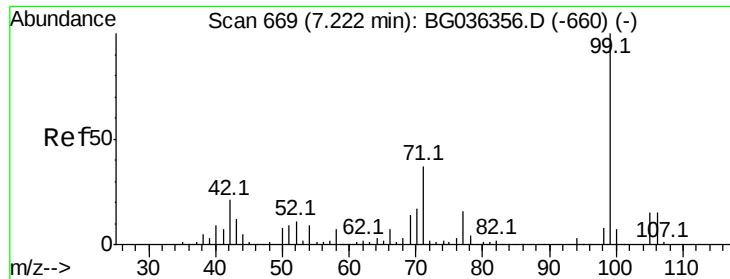
2-Fluorophenol
Concen: 127.990 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG036392.D
Acq: 24 Aug 2018 00:45

Tgt Ion:112 Resp: 435197
Ion Ratio Lower Upper
112 100
64 70.2 57.2 85.8
63 37.5 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: 112.665 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG036392.D

Acq: 24 Aug 2018 00:45

Instrument :

BNA_G

ClientSampleId :

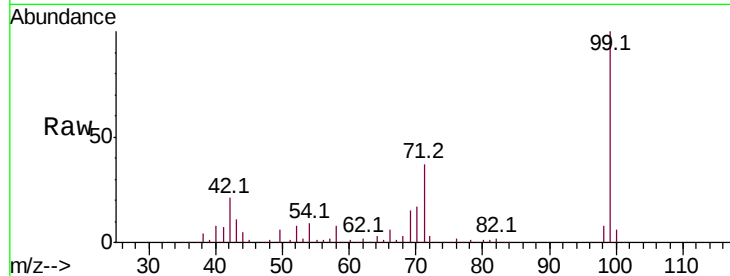
Tot Ion: 99 Resp: 548490

Ion Ratio Lower Upper

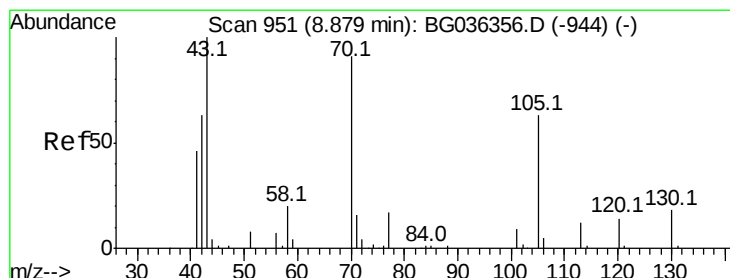
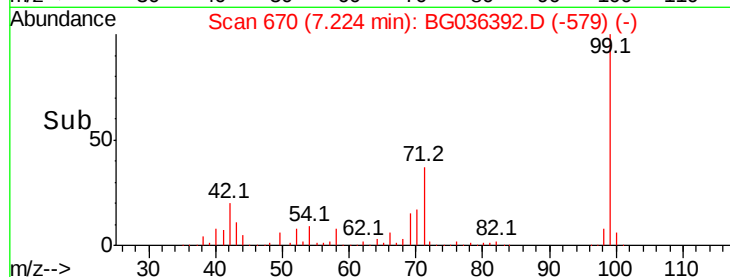
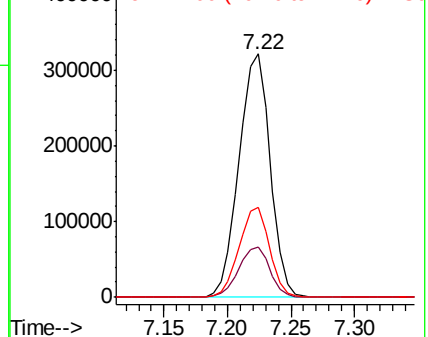
99 100

42 20.5 16.5 24.7

71 37.1 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: 15.175 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036392.D

Acq: 24 Aug 2018 00:45

Tgt Ion: 70 Resp: 55211

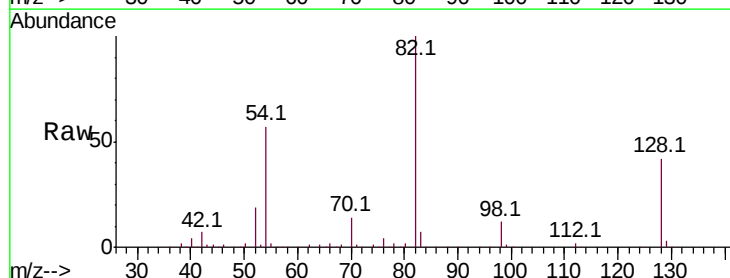
Ion Ratio Lower Upper

70 100

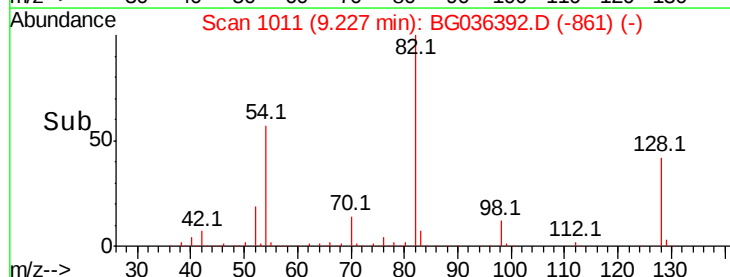
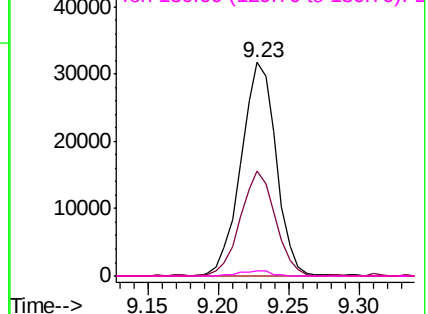
42 49.2 56.2 84.4#

101 0.0 7.8 11.6#

130 2.3 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

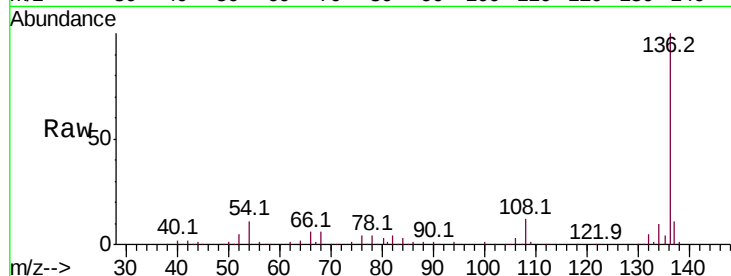




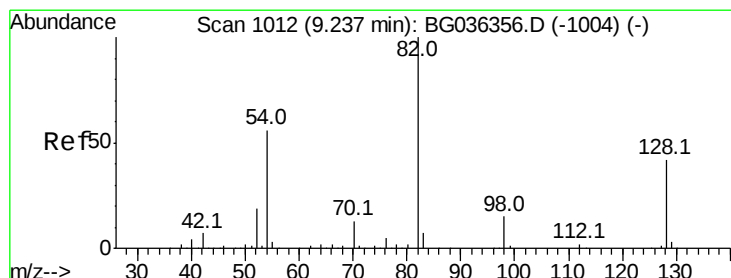
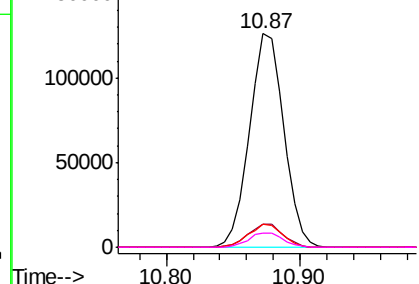
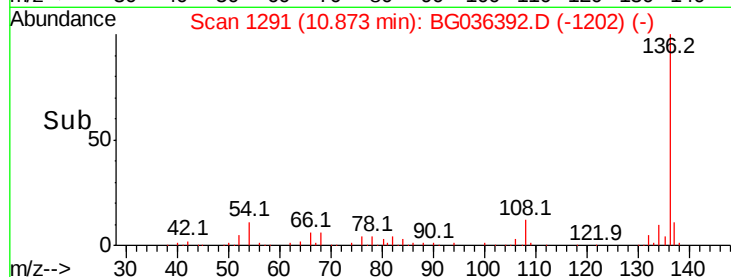
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036392.D
Acq: 24 Aug 2018 00:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	223784
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	11.0	9.2	13.8
68	6.5	5.8	8.6

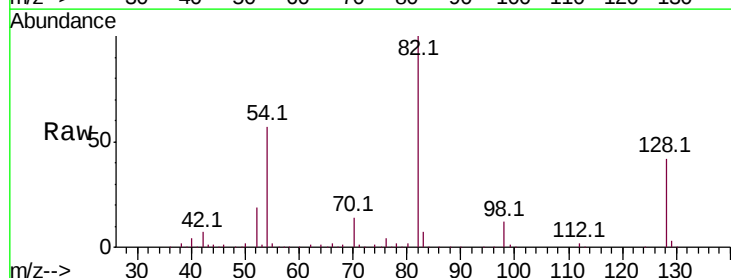


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

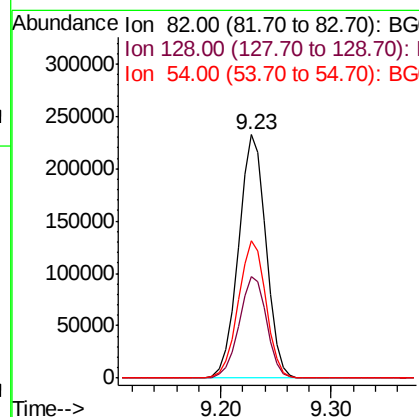
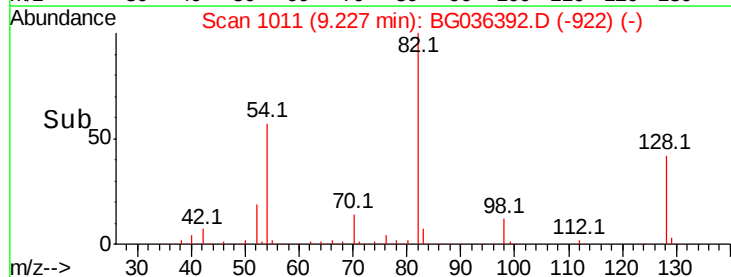


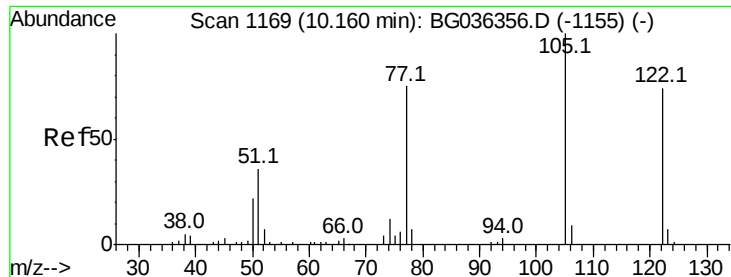
#23
Nitrobenzene-d5
Concen: 98.146 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036392.D
Acq: 24 Aug 2018 00:45

Tgt Ion:	82	Resp:	404807
Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.3	49.9
54	56.5	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

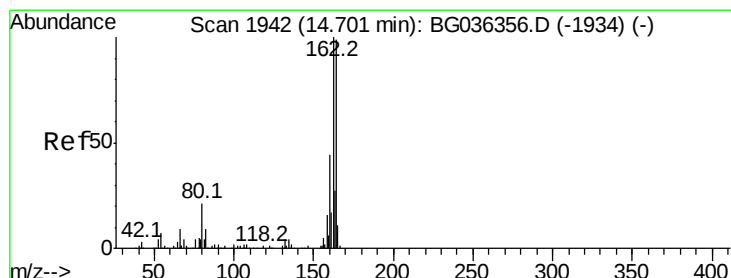
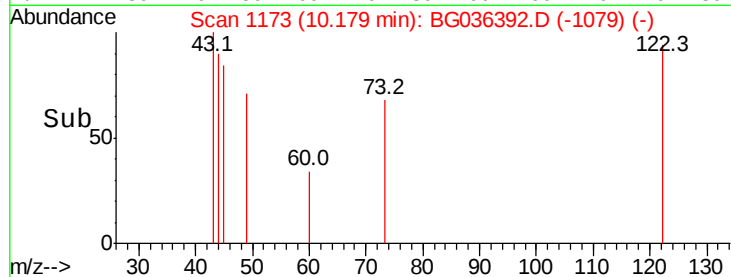
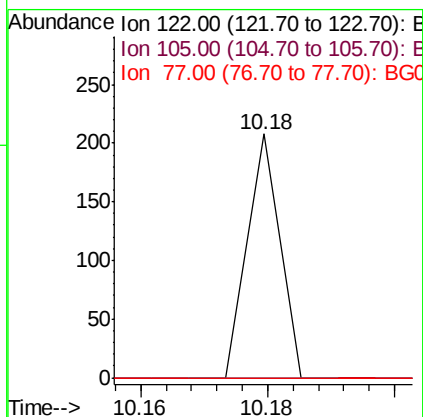
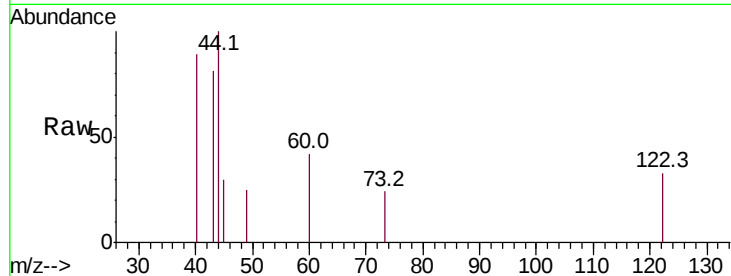




#32
Benzoic acid
Concen: 4.506 ng
RT: 10.18 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BG036392.D
Acq: 24 Aug 2018 00:45

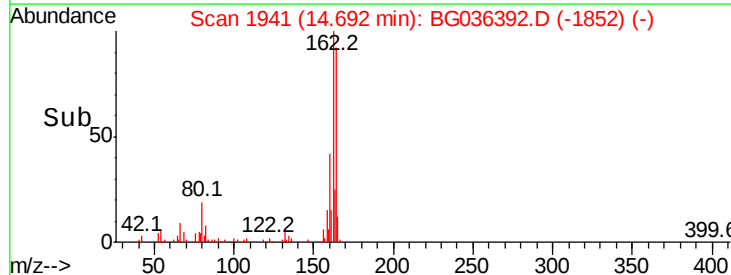
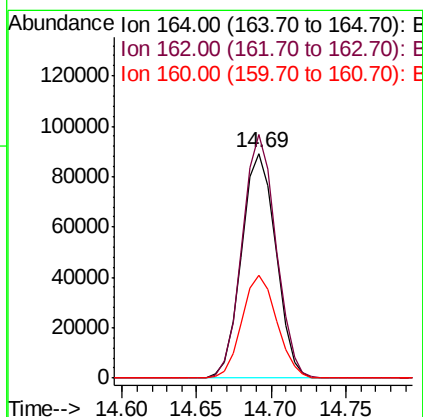
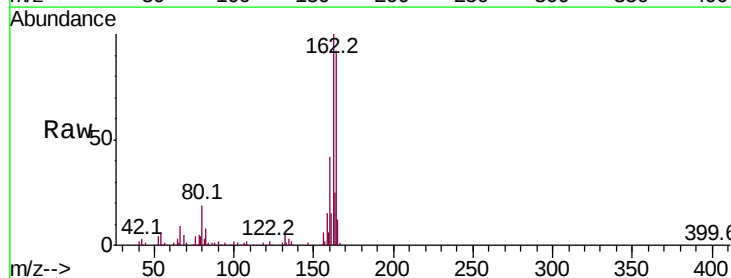
Instrument :
BNA_G
ClientSampled :

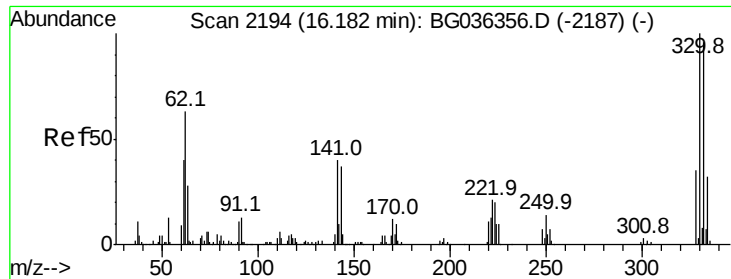
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.1	148.1#
77	0.0	76.3	116.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG036392.D
Acq: 24 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.2	80.7	121.1
160	45.8	35.3	52.9

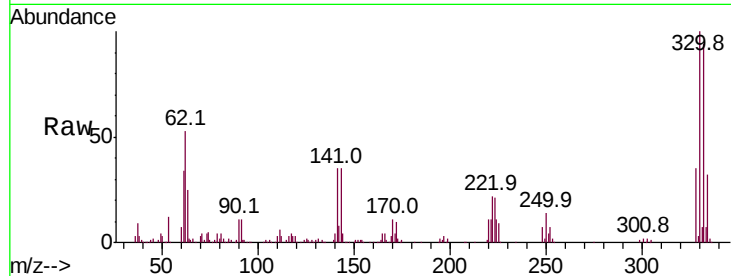




#41
 2,4,6-Tribromophenol
 Concen: 164.214 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036392.D
 Acq: 24 Aug 2018 00:45

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	75.4	113.2
141	37.6	30.7	46.1

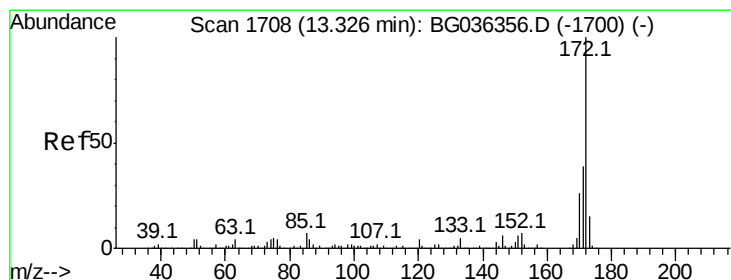
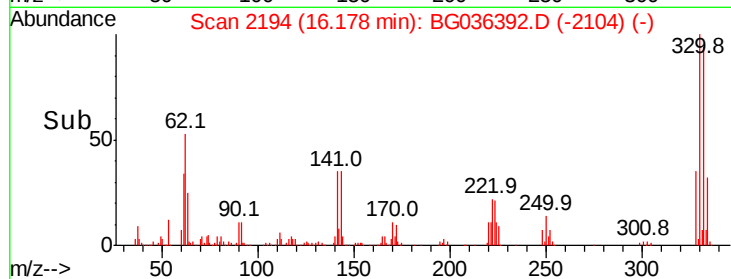
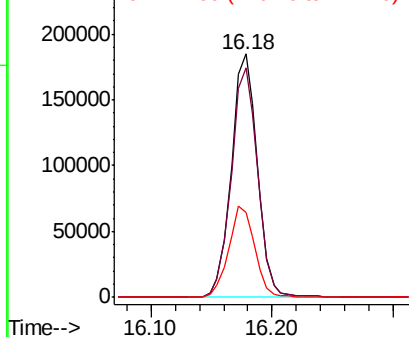


Abundance

Ion 329.80 (329.50 to 330.50): E

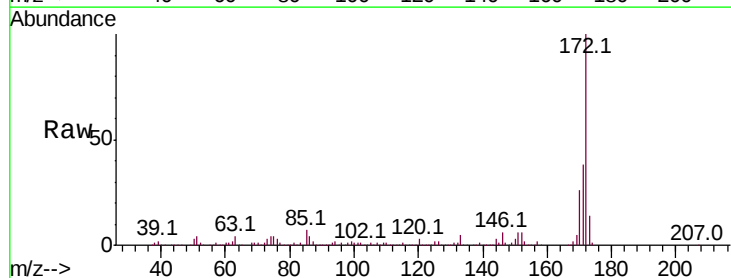
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 93.540 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036392.D
 Acq: 24 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.3	46.9
170	25.6	21.0	31.6

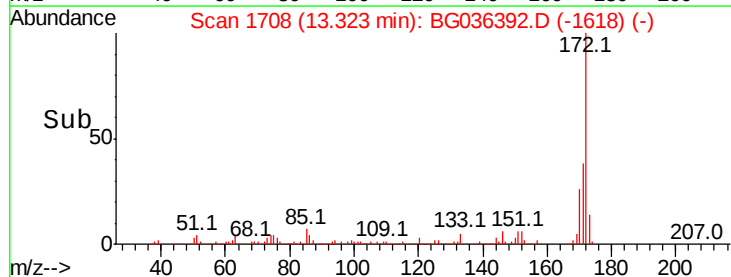
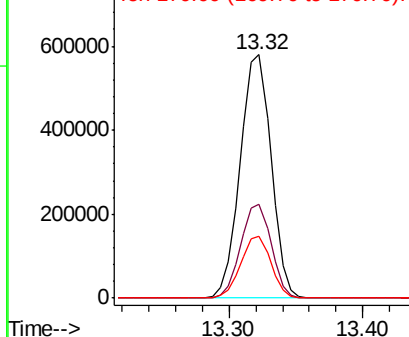


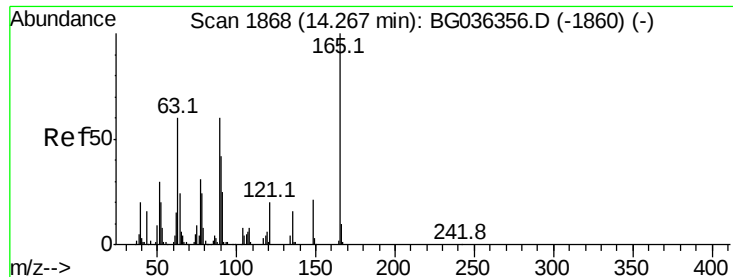
Abundance

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

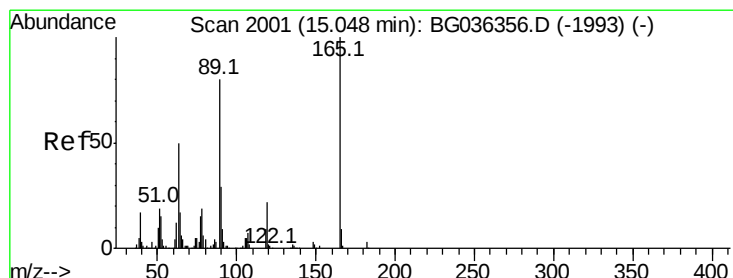
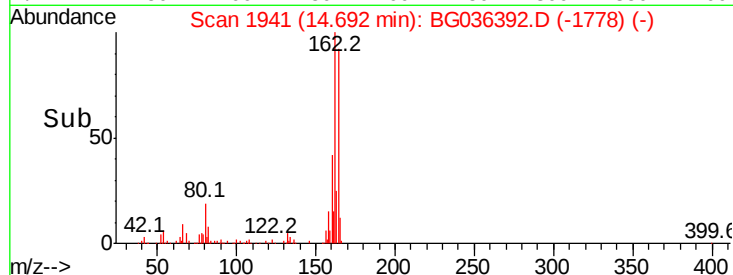
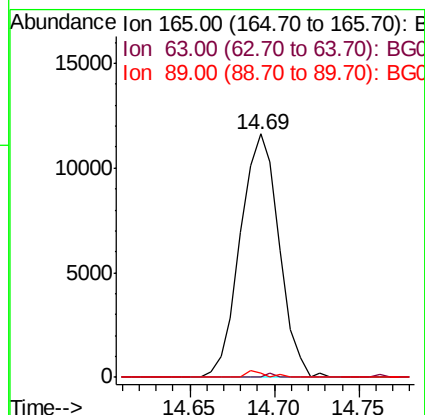
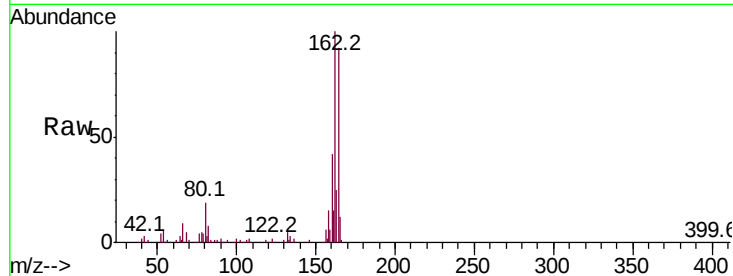




#50
2,6-Dinitrotoluene
Concen: 7.780 ng
RT: 14.69 min Scan# 1941
Delta R.T. 0.43 min
Lab File: BG036392.D
Acq: 24 Aug 2018 00:45

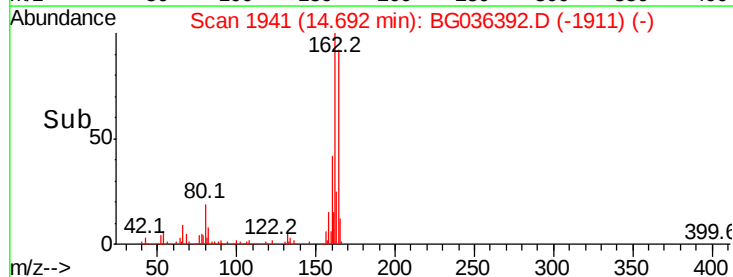
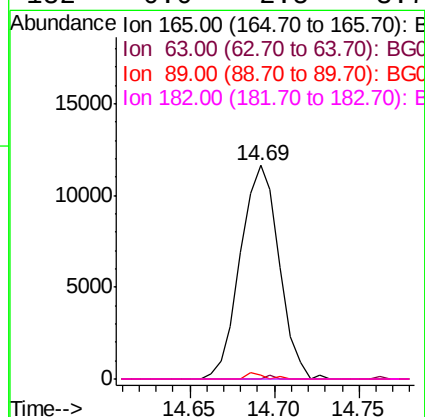
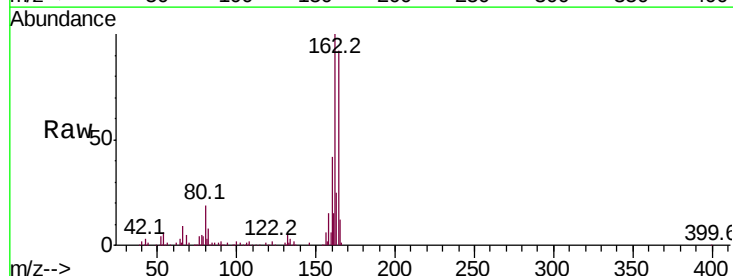
Instrument :
BNA_G
ClientSampleId :

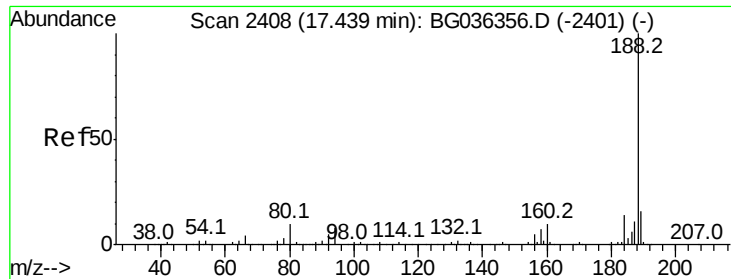
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	1.9	47.8	71.6#



#56
2,4-Dinitrotoluene
Concen: 5.969 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.36 min
Lab File: BG036392.D
Acq: 24 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	1.9	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: BG036392.D

Acq: 24 Aug 2018 00:45

Instrument :

BNA_G

ClientSampleId :

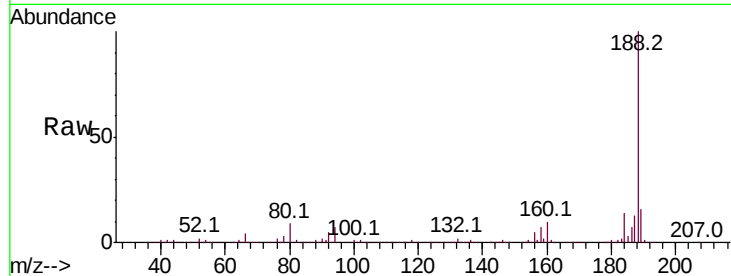
Tot Ion:188 Resp: 378981

Ion Ratio Lower Upper

188 100

94 7.3 6.7 10.1

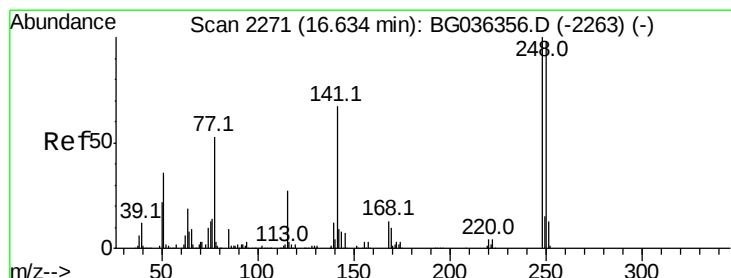
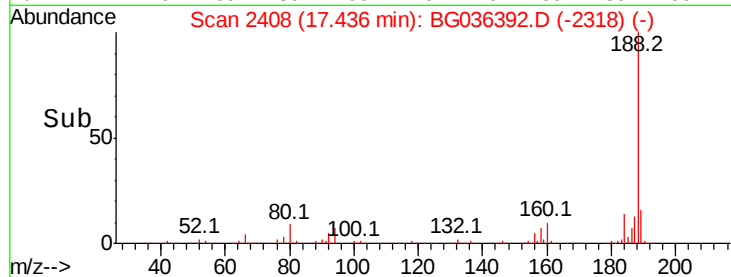
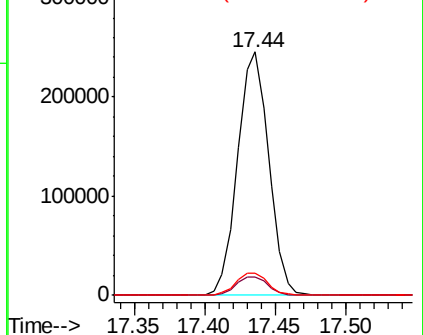
80 9.3 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 4.508 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG036392.D

Acq: 24 Aug 2018 00:45

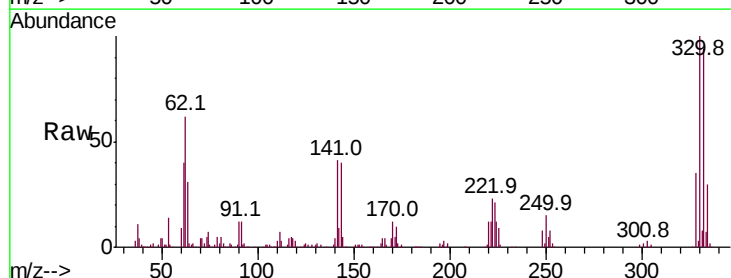
Tgt Ion:248 Resp: 20003

Ion Ratio Lower Upper

248 100

250 187.2 78.1 117.1#

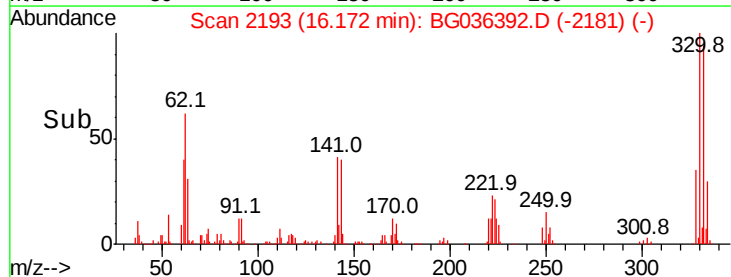
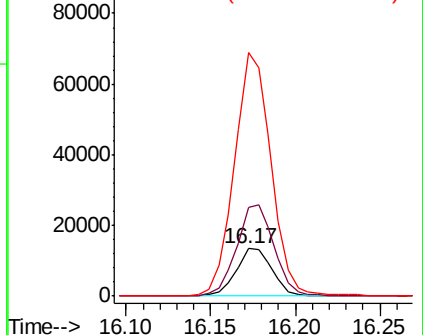
141 514.4 53.7 80.5#

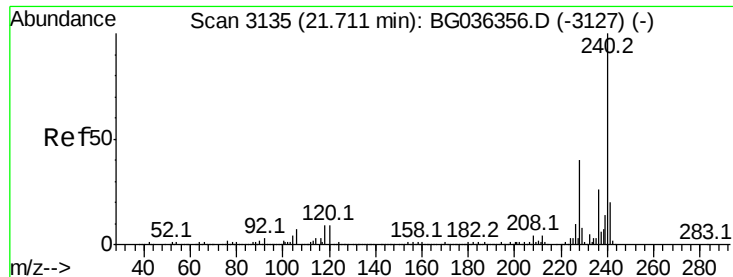


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BG036392.D

Acq: 24 Aug 2018 00:45

Instrument :

BNA_G

ClientSampleId :

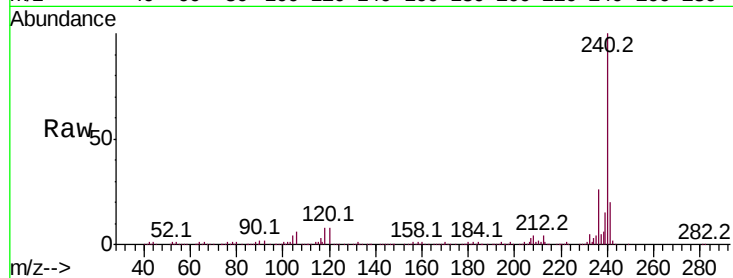
Tot Ion:240 Resp: 437405

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

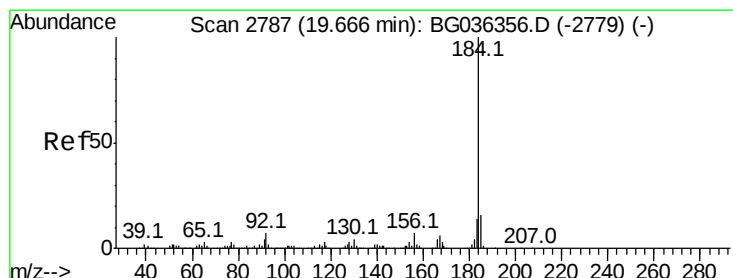
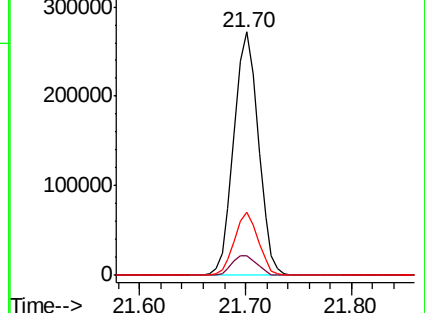
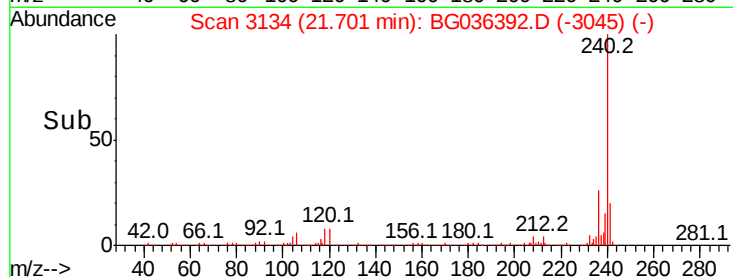
236 25.8 21.2 31.8



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: 2.221 ng

RT: 20.04 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036392.D

Acq: 24 Aug 2018 00:45

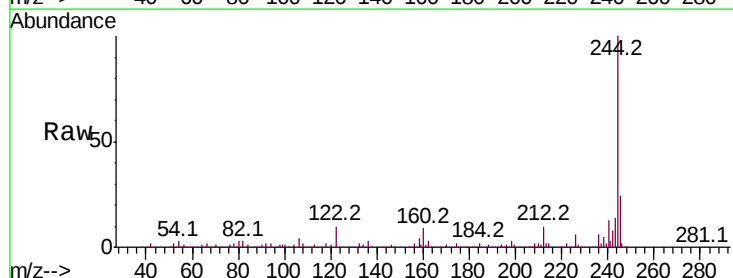
Tgt Ion:184 Resp: 31000

Ion Ratio Lower Upper

184 100

185 18.0 12.6 18.8

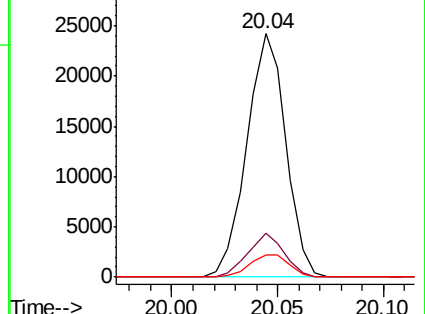
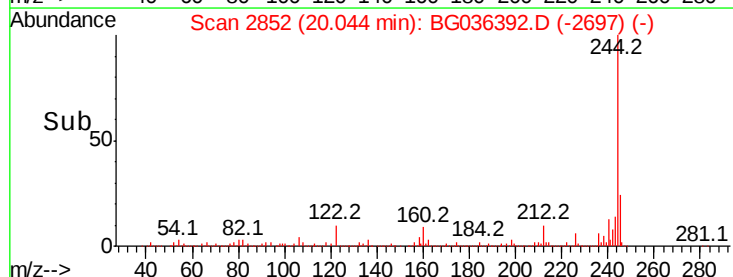
183 9.2 10.9 16.3#

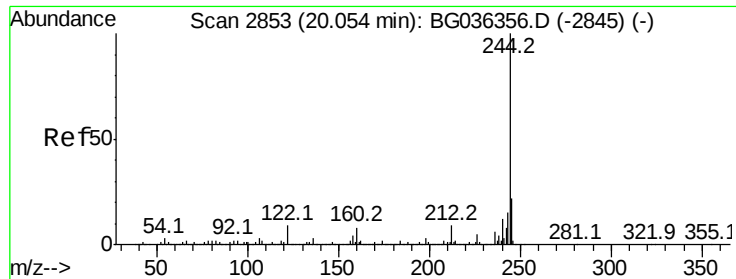


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



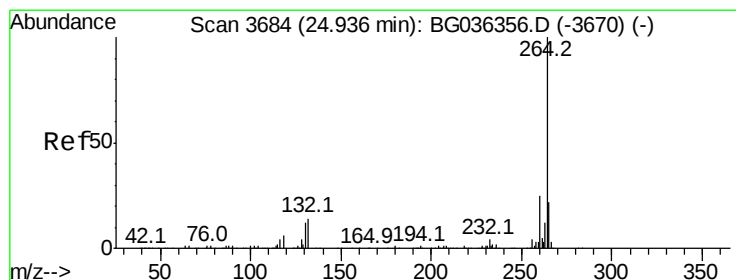
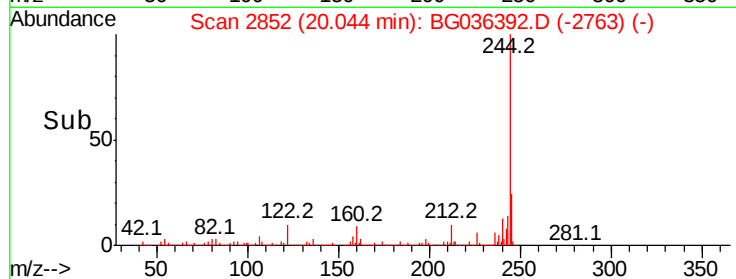
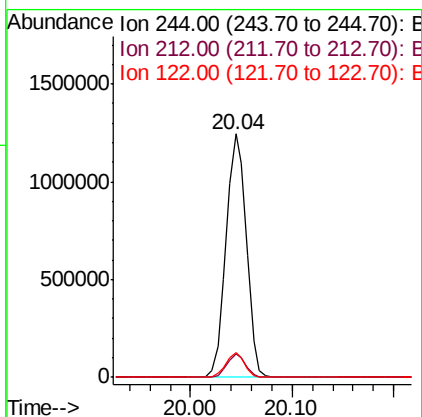
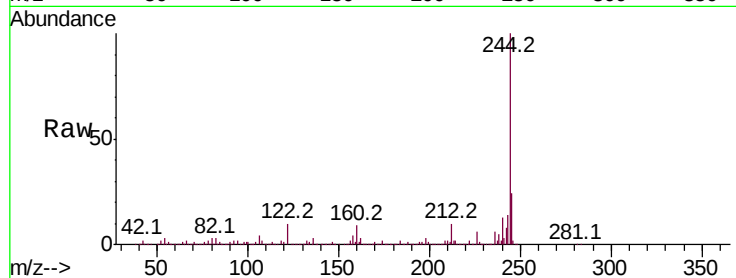


#78
 Terphenyl-d14
 Concen: 92.343 ng
 RT: 20.04 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BG036392.D
 Acq: 24 Aug 2018 00:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1728092

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.0	10.6
122	10.3	7.1	10.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3682
 Delta R.T. -0.02 min
 Lab File: BG036392.D
 Acq: 24 Aug 2018 00:45

Tgt Ion:264 Resp: 436555

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.8	17.4	26.0

