

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036405.D
 Acq On : 24 Aug 2018 9:13
 Operator : JU/SJ
 Sample : J4568-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 10:46:51 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

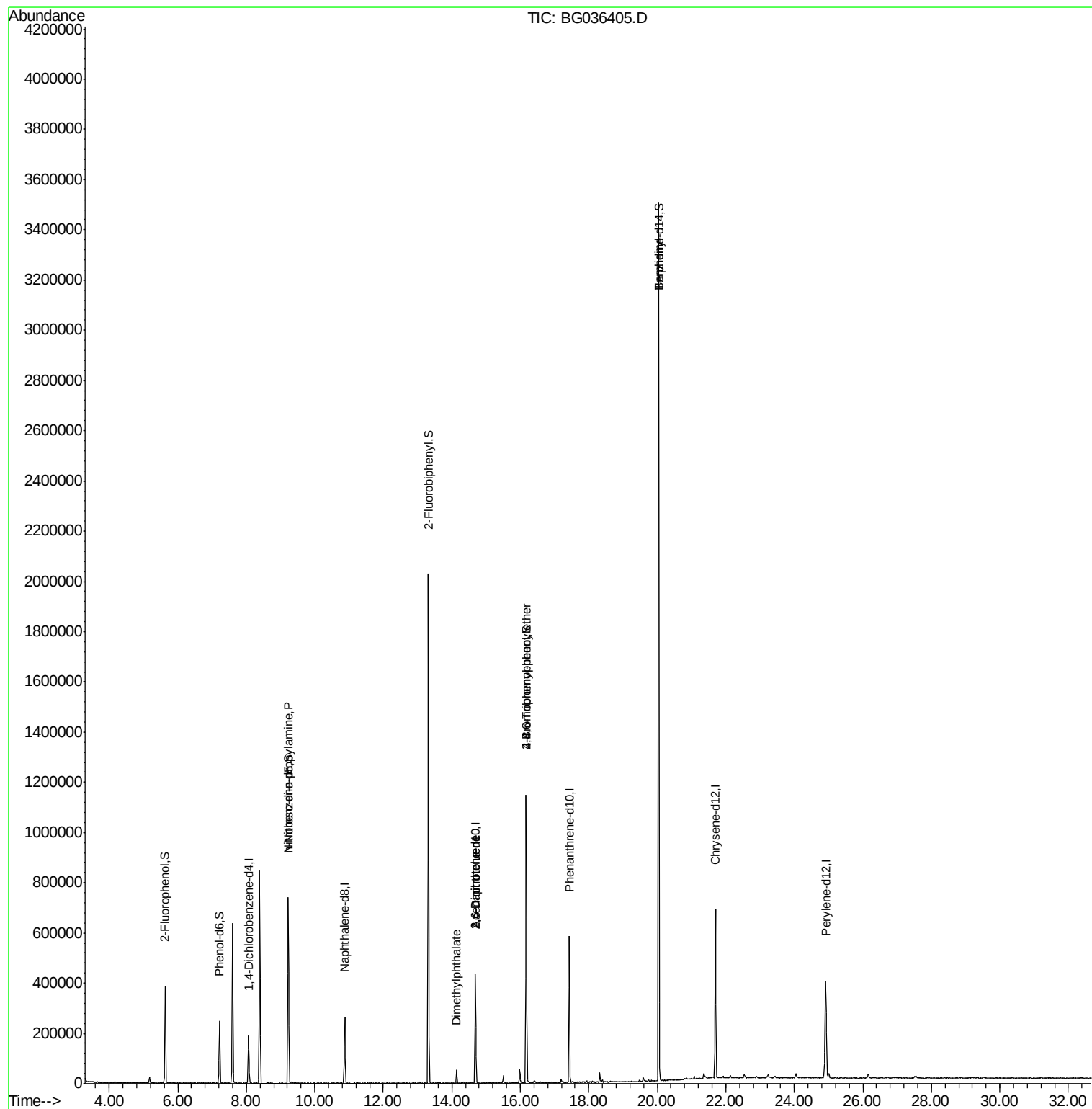
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	54374	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	222010	20.00	ng	-0.01
38) Acenaphthene-d10	14.69	164	144794	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	371332	20.00	ng	-0.01
75) Chrysene-d12	21.70	240	417530	20.00	ng	-0.01
86) Perylene-d12	24.91	264	422665	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	159741	46.60	ng	0.00
7) Phenol-d6	7.22	99	141854	28.90	ng	0.00
23) Nitrobenzene-d5	9.23	82	436255	106.62	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	198201	114.72	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1030180	101.59	ng	-0.01
78) Terphenyl-d14	20.04	244	1601703	89.66	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	59523	16.229	ng	# 71
49) Dimethylphthalate	14.14	163	32956	2.787	ng	# 98
50) 2,6-Dinitrotoluene	14.69	165	18075	7.429	ng	# 24
56) 2,4-Dinitrotoluene	14.69	165	18075	5.700	ng	# 22
66) 4-Bromophenyl-phenylether	16.17	248	15104	3.474	ng	# 1
76) Benzidine	20.04	184	28861	2.167	ng	# 92

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

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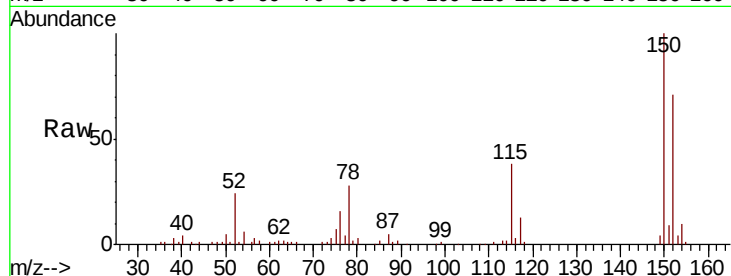




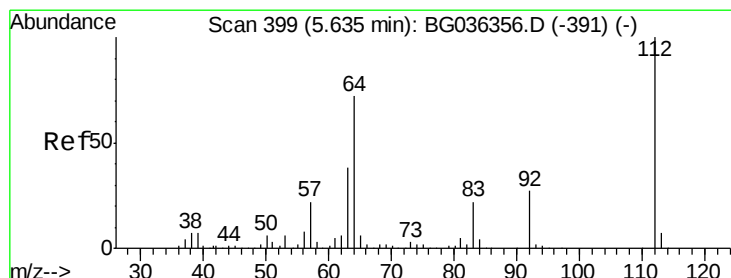
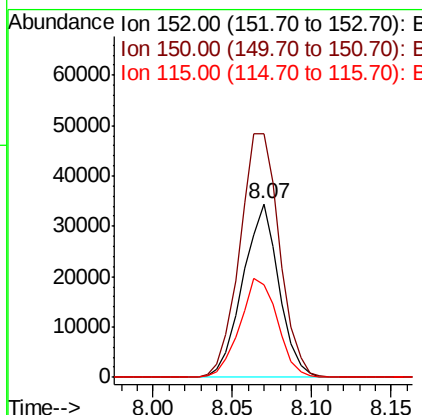
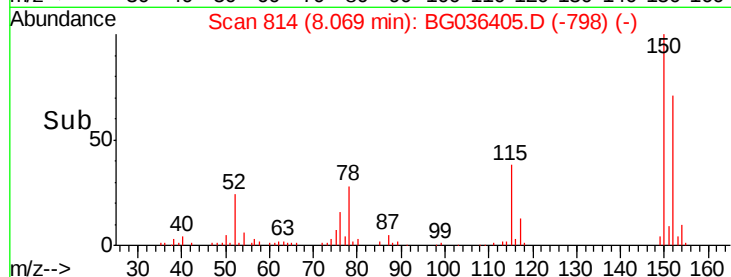
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BG036405.D
 Acq: 24 Aug 2018 9:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 54374
 Ion Ratio Lower Upper
 152 100
 150 140.1 119.5 179.3
 115 53.0 44.5 66.7

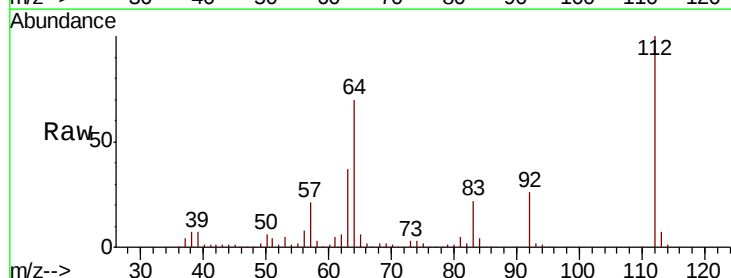


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

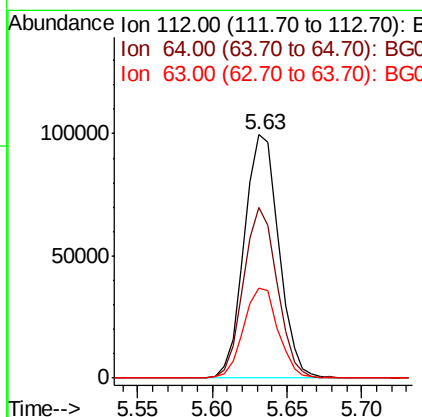
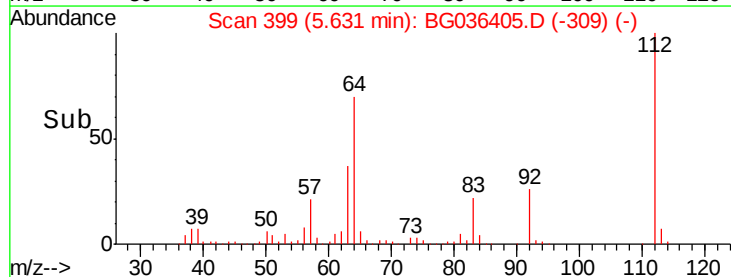


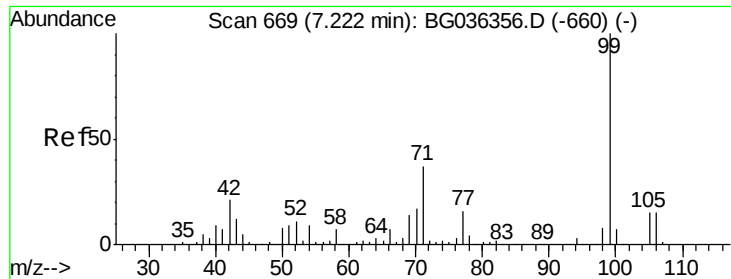
#5
 2-Fluorophenol
 Concen: 46.602 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036405.D
 Acq: 24 Aug 2018 9:13

Tgt Ion:112 Resp: 159741
 Ion Ratio Lower Upper
 112 100
 64 70.2 57.2 85.8
 63 37.0 30.8 46.2



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: 28.905 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036405.D

Acq: 24 Aug 2018 9:13

Instrument :

BNA_G

ClientSampled :

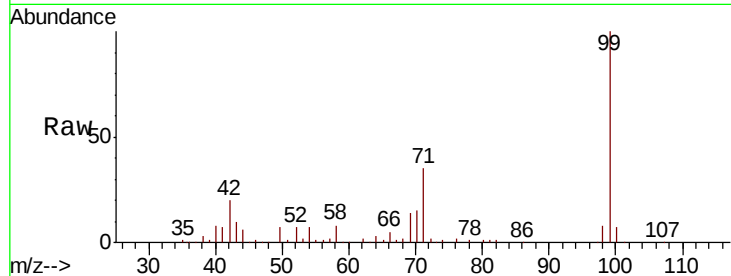
Tot Ion: 99 Resp: 141854

Ion Ratio Lower Upper

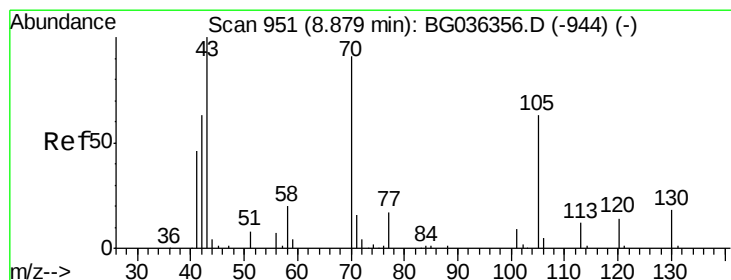
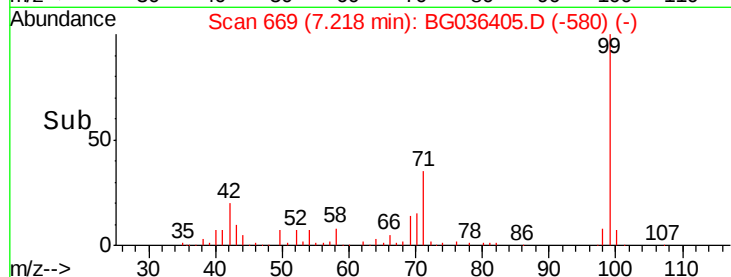
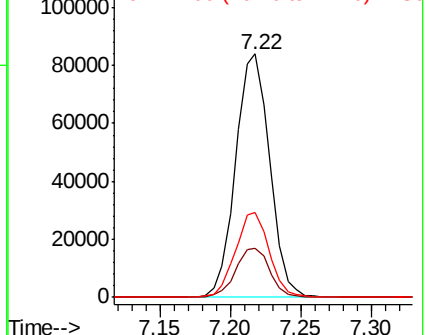
99 100

42 20.1 16.5 24.7

71 34.7 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: 16.229 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036405.D

Acq: 24 Aug 2018 9:13

Tgt Ion: 70 Resp: 59523

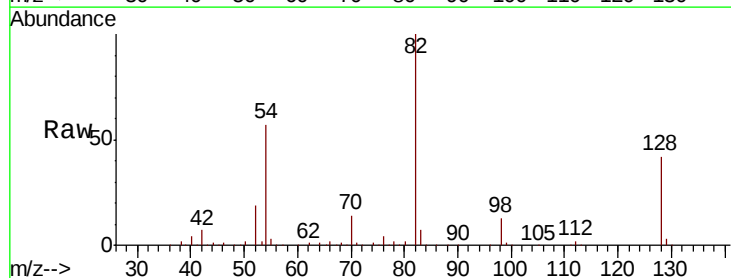
Ion Ratio Lower Upper

70 100

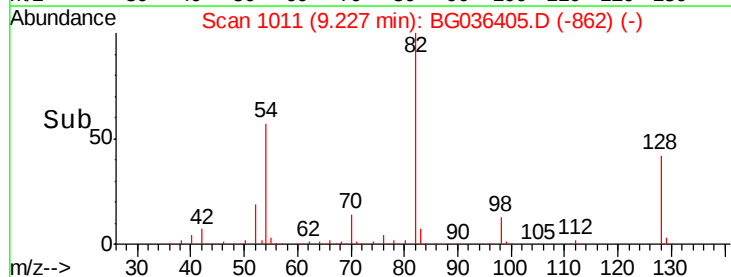
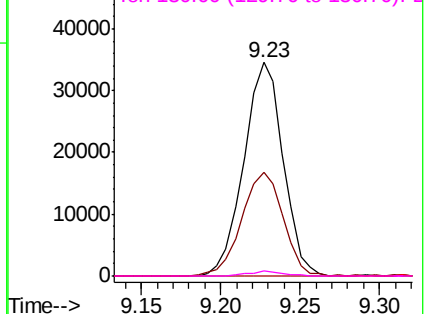
42 48.5 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 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

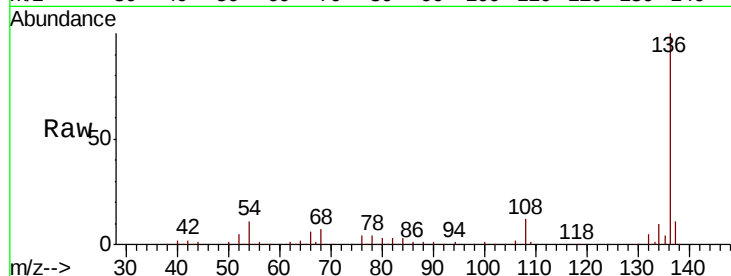




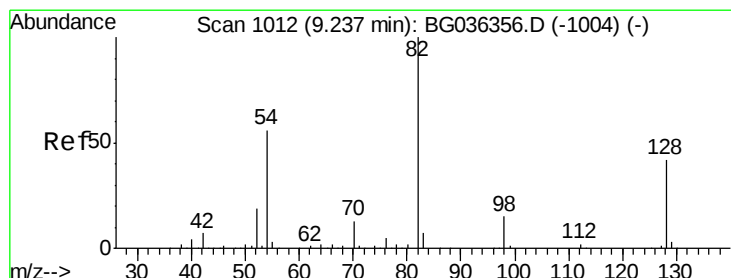
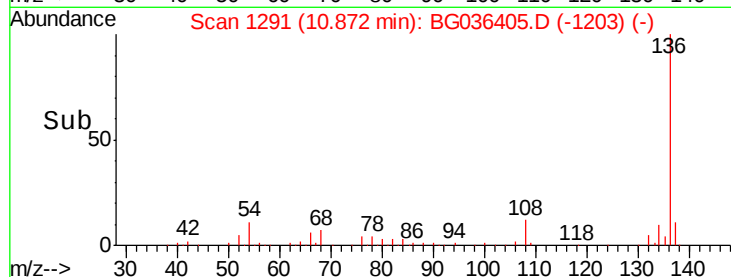
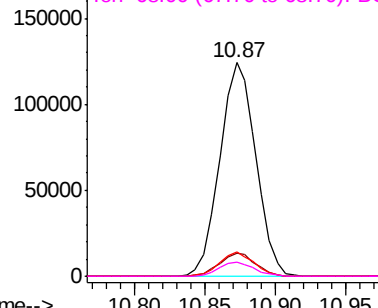
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036405.D
Acq: 24 Aug 2018 9:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	222010
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	11.3	9.2 13.8
68	6.7	5.8 8.6

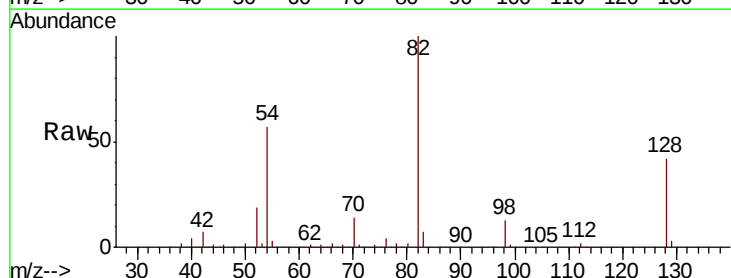


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

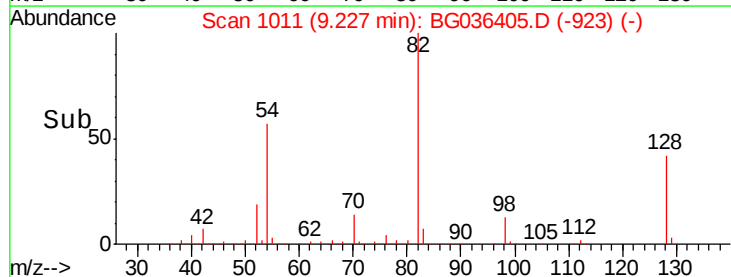
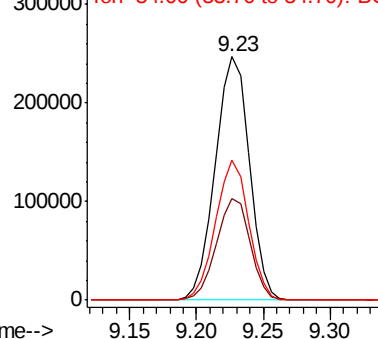


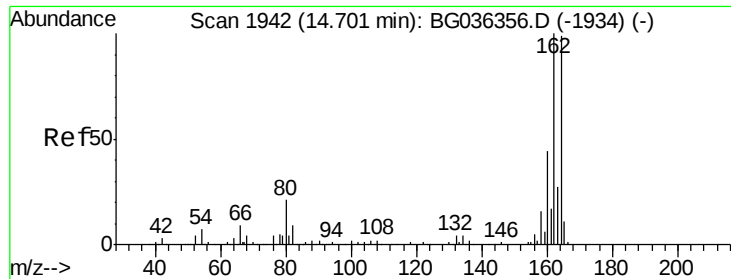
#23
Nitrobenzene-d5
Concen: 106.616 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036405.D
Acq: 24 Aug 2018 9:13

Tgt Ion: 82	Resp:	436255
Ion Ratio	Lower	Upper
82	100	
128	41.6	33.3 49.9
54	57.4	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: BG036405.D

Acq: 24 Aug 2018 9:13

Instrument :

BNA_G

ClientSampleId :

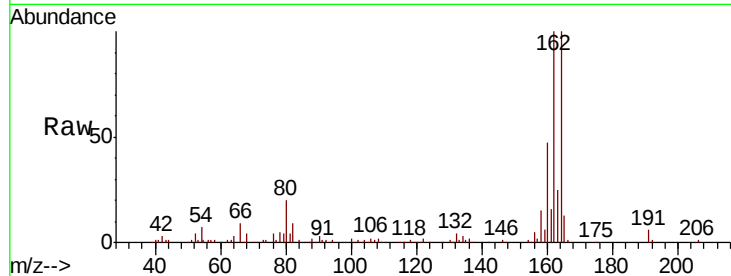
Tot Ion:164 Resp: 144794

Ion Ratio Lower Upper

164 100

162 99.5 80.7 121.1

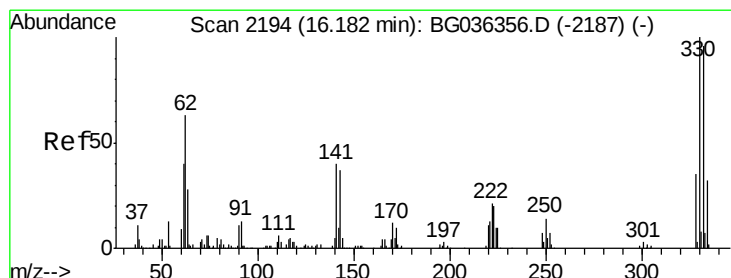
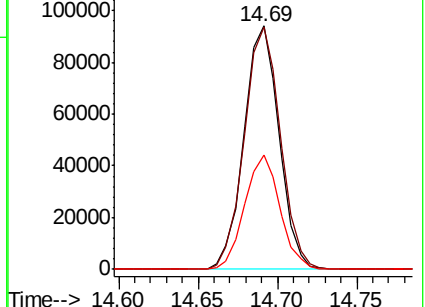
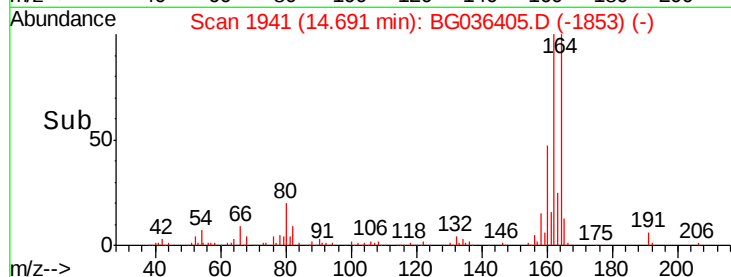
160 47.0 35.3 52.9



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: 114.719 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BG036405.D

Acq: 24 Aug 2018 9:13

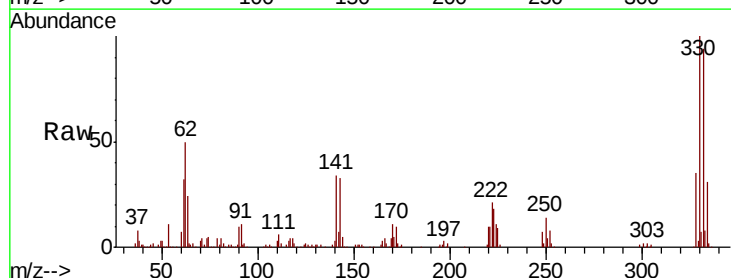
Tgt Ion:330 Resp: 198201

Ion Ratio Lower Upper

330 100

332 97.4 75.4 113.2

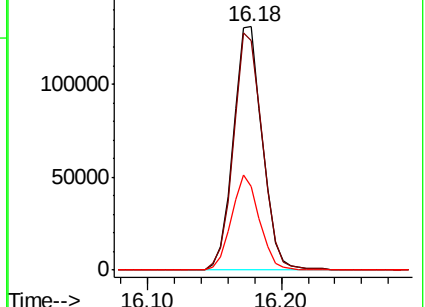
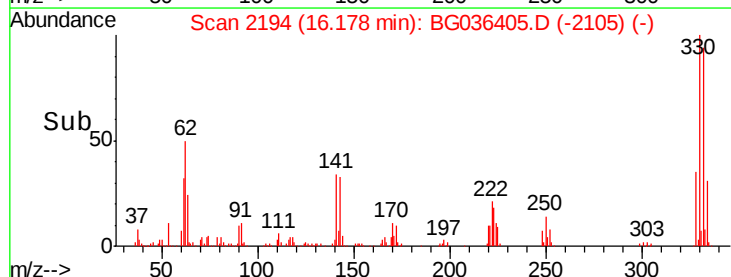
141 37.9 30.7 46.1

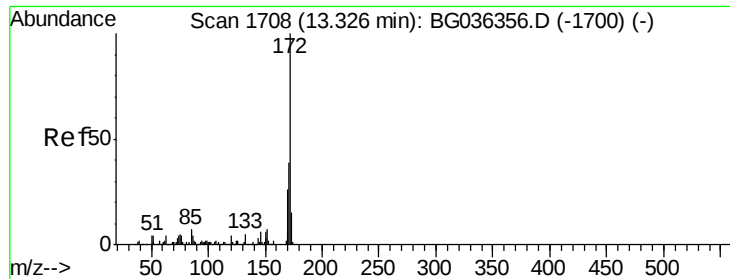


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

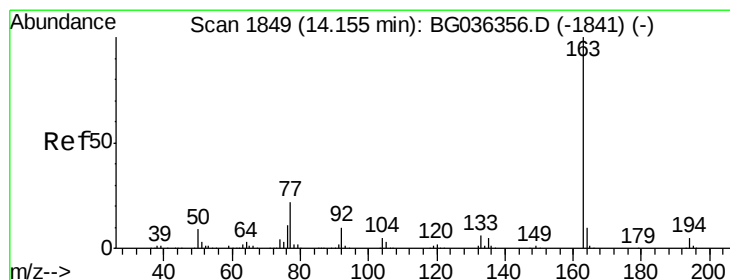
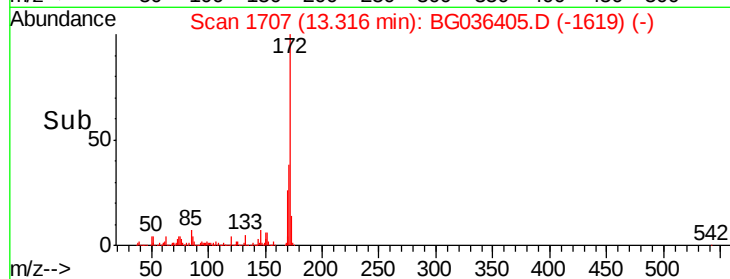
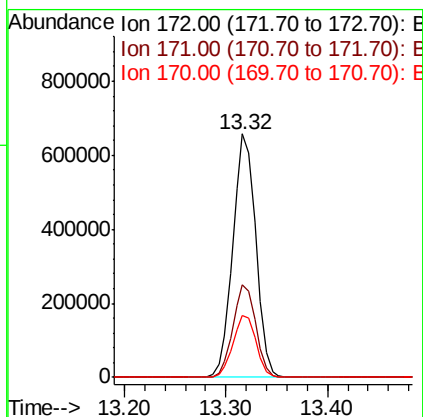
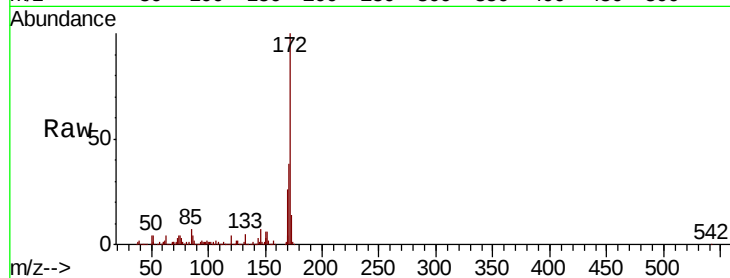




#44
2-Fluorobiphenyl
Concen: 101.586 ng
RT: 13.32 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BG036405.D
Acq: 24 Aug 2018 9:13

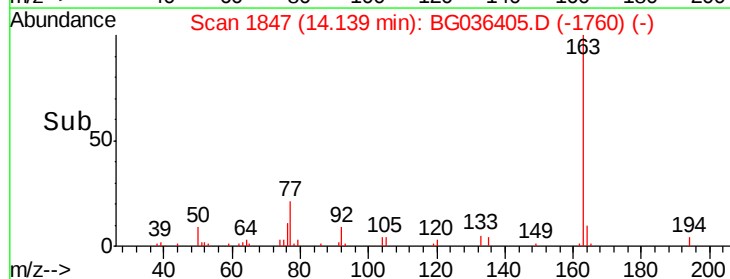
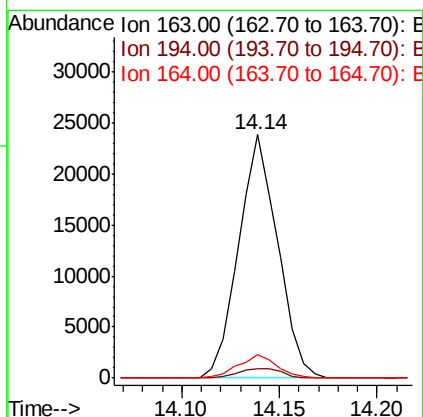
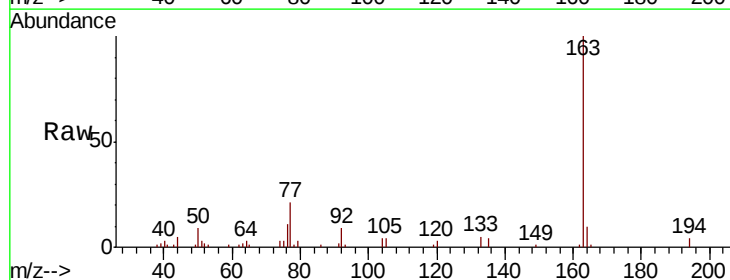
Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1030180
Ion Ratio Lower Upper
172 100
171 38.2 31.3 46.9
170 25.6 21.0 31.6



#49
Dimethylphthalate
Concen: 2.787 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BG036405.D
Acq: 24 Aug 2018 9:13

Tgt Ion:163 Resp: 32956
Ion Ratio Lower Upper
163 100
194 4.0 4.0 6.0#
164 9.7 8.1 12.1

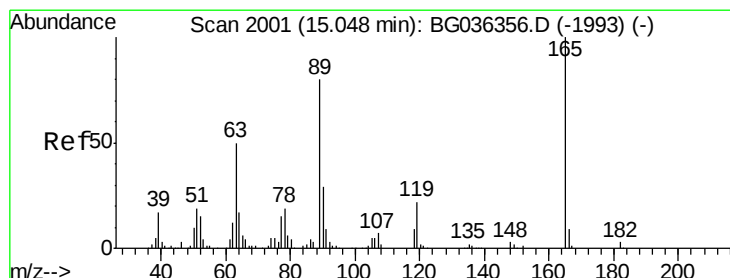
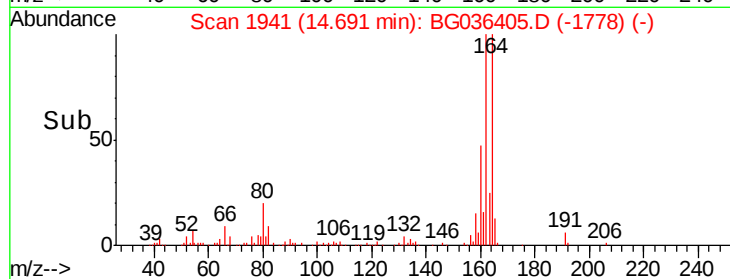
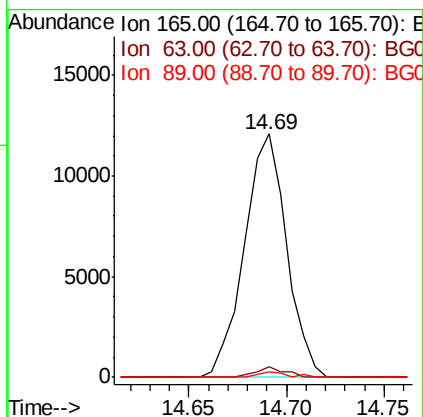
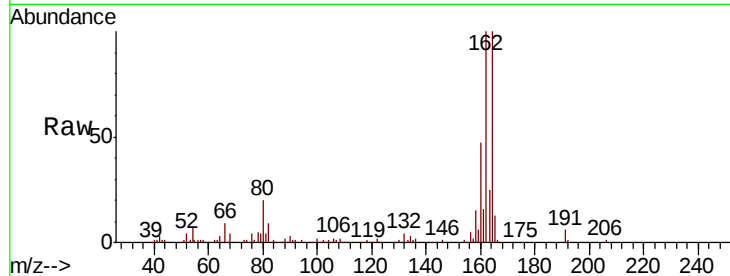




#50
2,6-Dinitrotoluene
Concen: 7.429 ng
RT: 14.69 min Scan# 1941
Delta R.T. 0.43 min
Lab File: BG036405.D
Acq: 24 Aug 2018 9:13

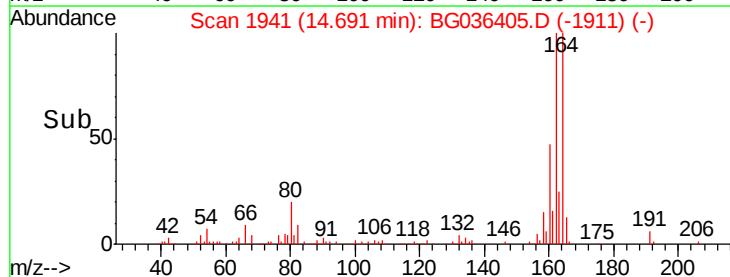
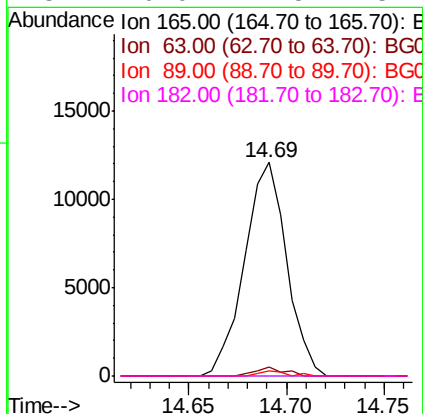
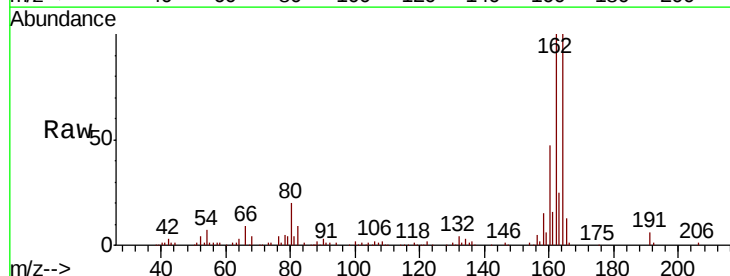
Instrument :
BNA_G
ClientSampleId :

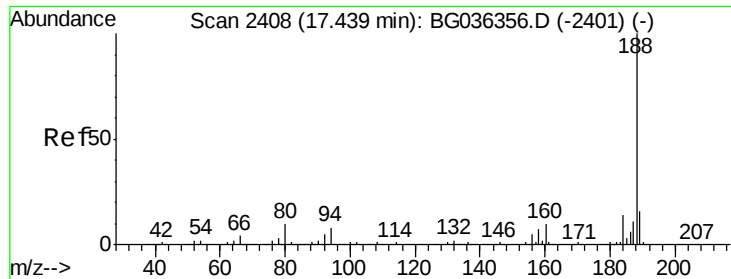
Tot Ion	Ratio	Lower	Upper
165	100		
63	4.4	50.1	75.1#
89	2.5	47.8	71.6#



#56
2,4-Dinitrotoluene
Concen: 5.700 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.36 min
Lab File: BG036405.D
Acq: 24 Aug 2018 9:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.4	40.1	60.1#
89	2.5	63.7	95.5#
182	0.0	2.5	3.7#

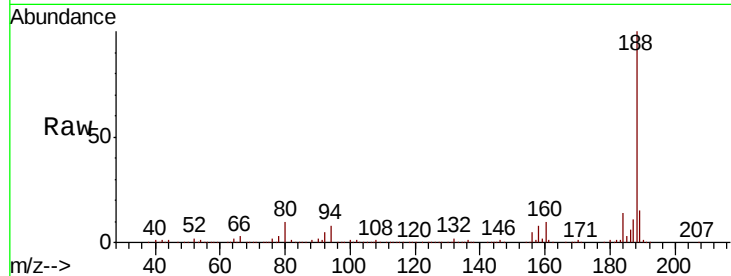




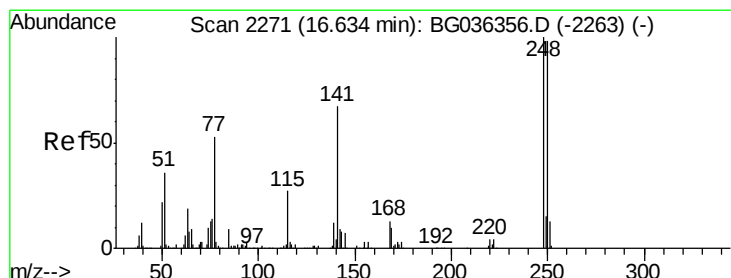
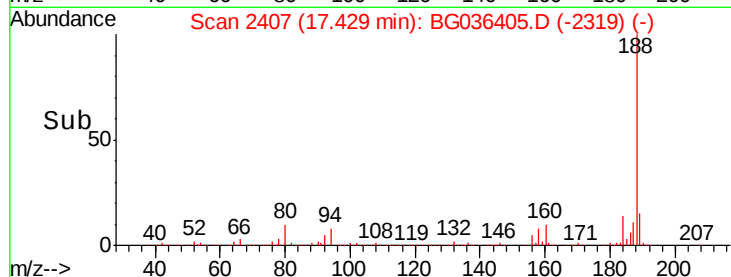
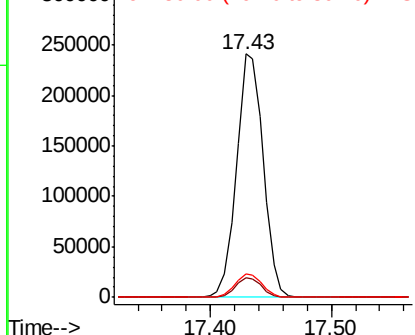
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG036405.D
Acq: 24 Aug 2018 9:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 371332
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 9.8 8.1 12.1

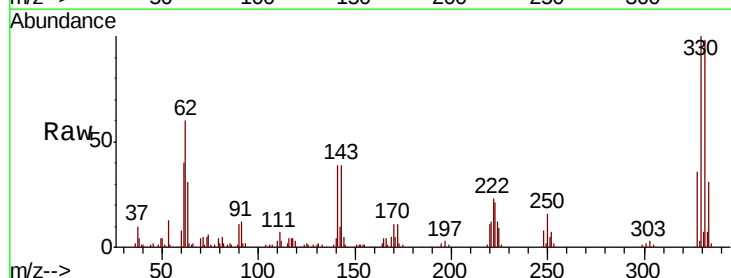


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

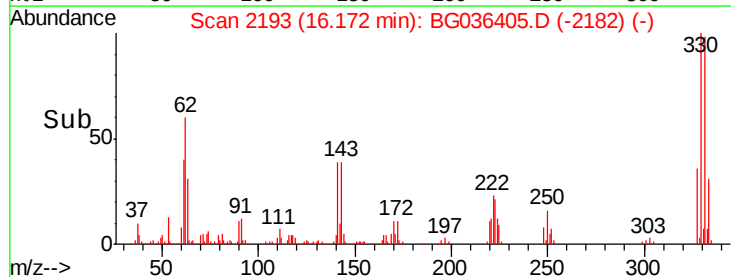
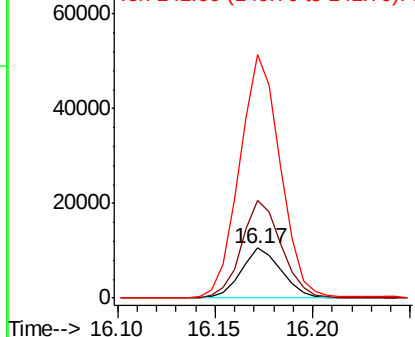


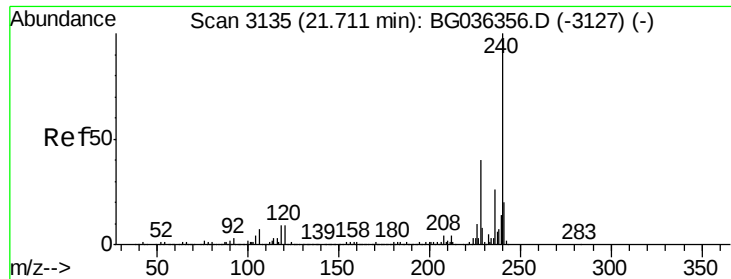
#66
4-Bromophenyl-phenylether
Concen: 3.474 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG036405.D
Acq: 24 Aug 2018 9:13

Tgt Ion:248 Resp: 15104
Ion Ratio Lower Upper
248 100
250 196.9 78.1 117.1#
141 488.9 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: BG036405.D

Acq: 24 Aug 2018 9:13

Instrument :

BNA_G

ClientSampleId :

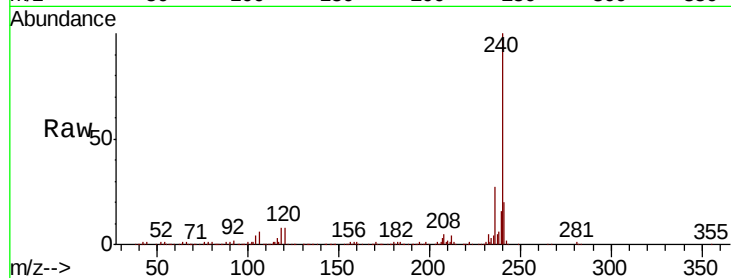
Tot Ion:240 Resp: 417530

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

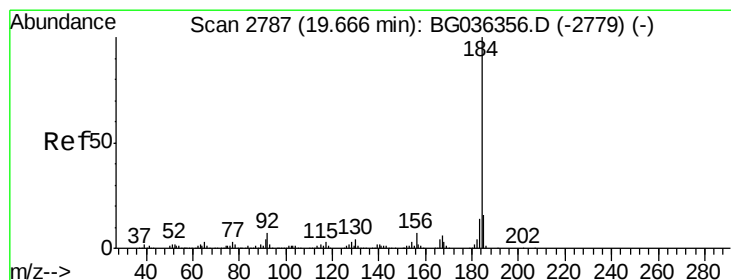
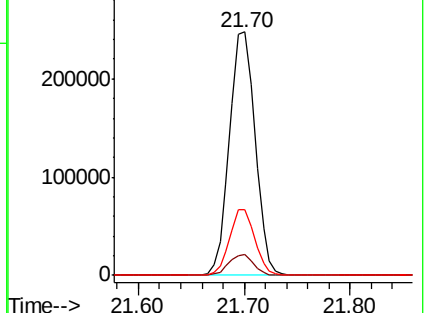
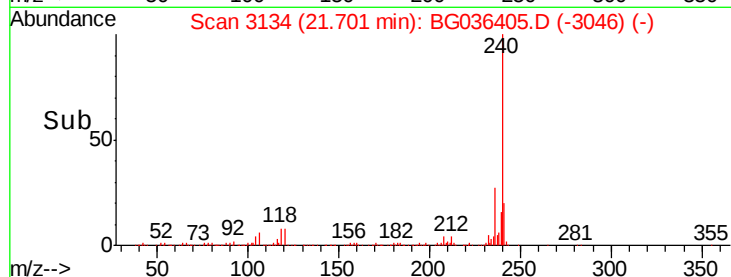
236 27.2 21.2 31.8



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: 2.167 ng

RT: 20.04 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036405.D

Acq: 24 Aug 2018 9:13

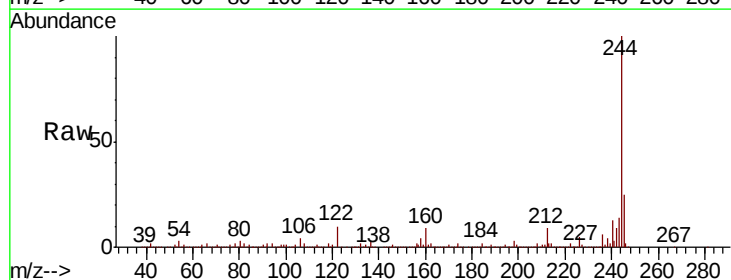
Tgt Ion:184 Resp: 28861

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

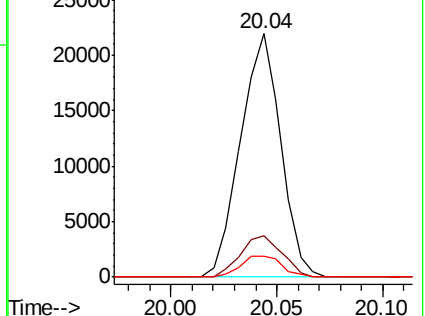
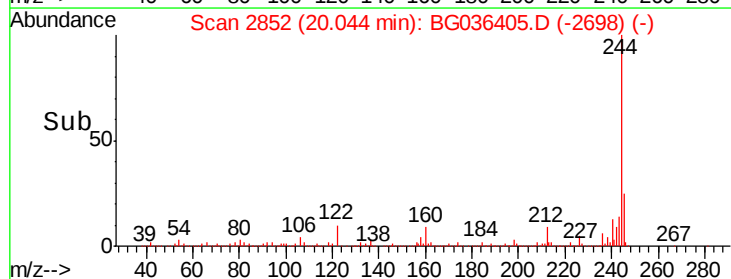
183 8.5 10.9 16.3#

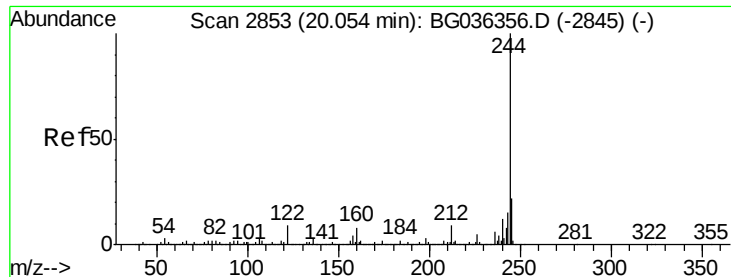


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.664 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036405.D

Acq: 24 Aug 2018 9:13

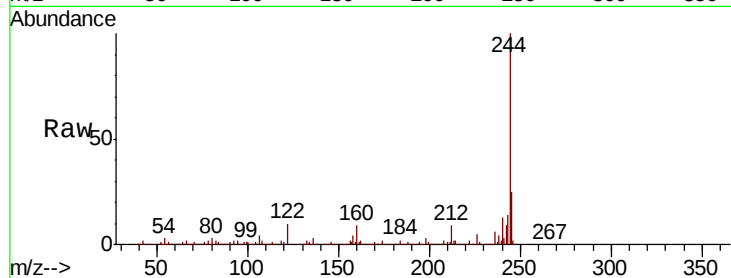
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1601703

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.6
122	9.7	7.1	10.7

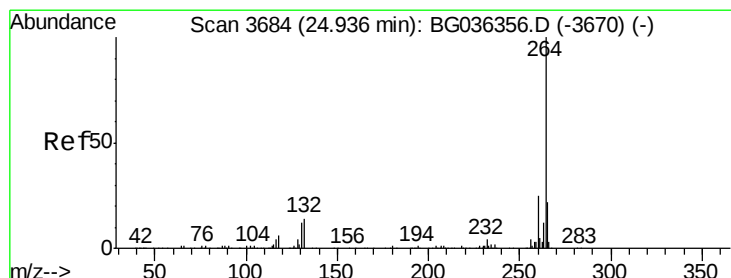
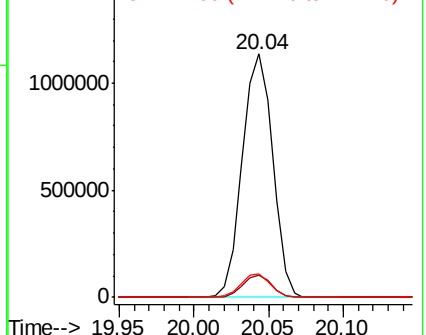
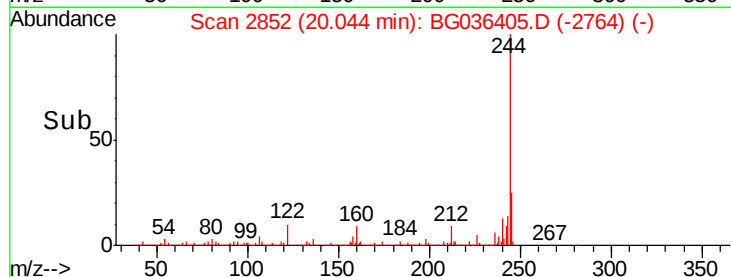


Abundance

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: 24.91 min Scan# 3681

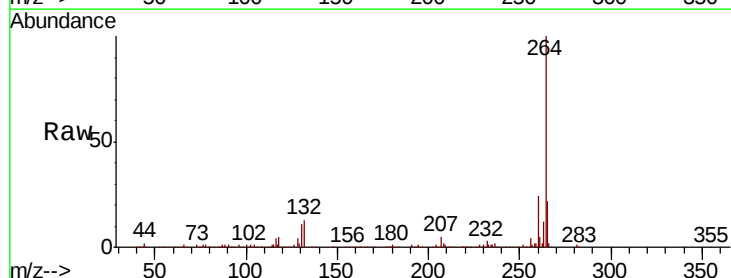
Delta R.T. -0.02 min

Lab File: BG036405.D

Acq: 24 Aug 2018 9:13

Tgt Ion:264 Resp: 422665

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	22.4	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

