

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036400.D
 Acq On : 24 Aug 2018 5:59
 Operator : JU/SJ
 Sample : J4522-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 07:19:23 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

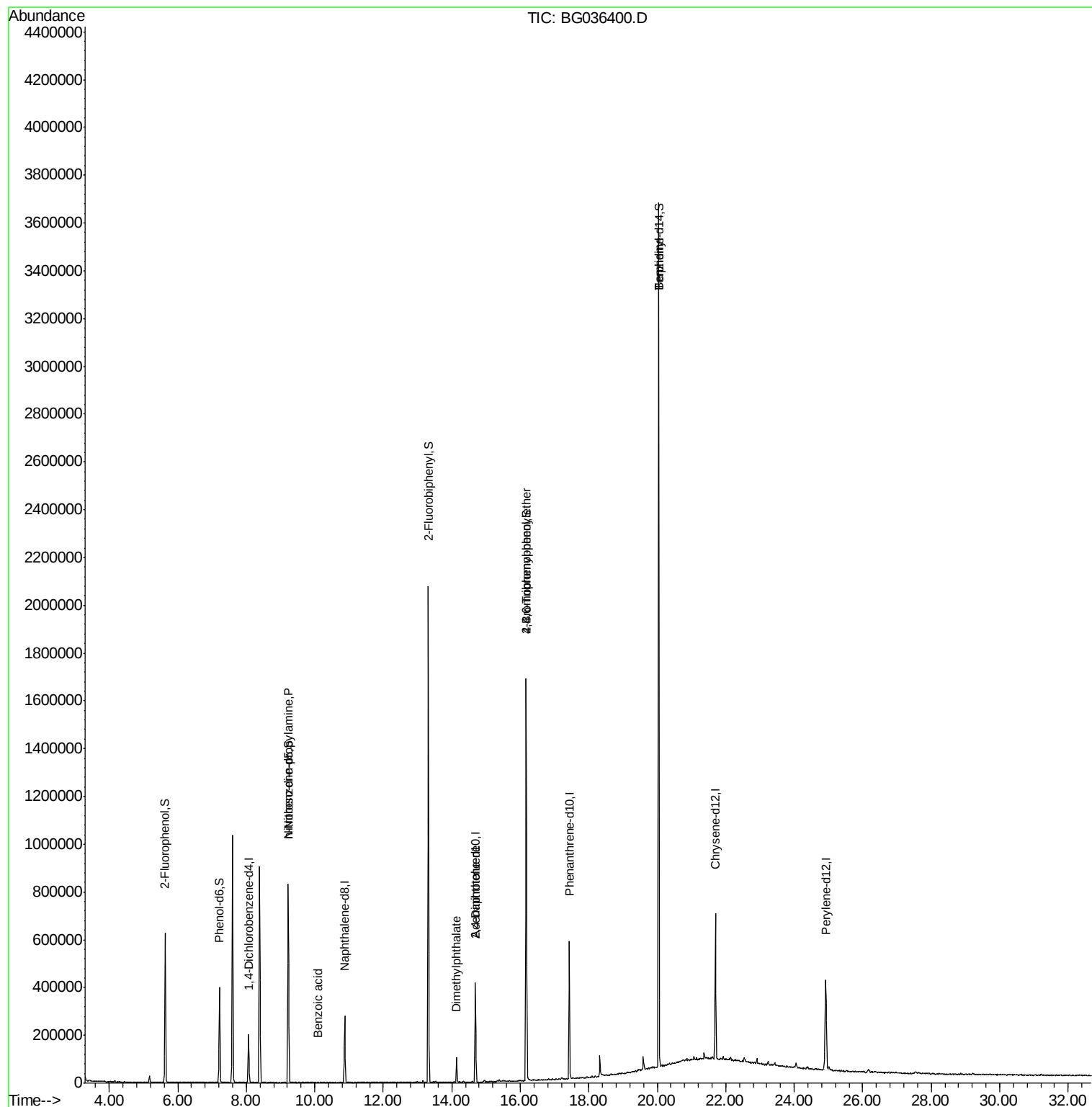
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	56108	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	232330	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	143476	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	357669	20.00	ng	0.00
75) Chrysene-d12	21.70	240	383448	20.00	ng	0.00
86) Perylene-d12	24.92	264	404516	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	253890	71.78	ng	0.00
7) Phenol-d6	7.22	99	221948	43.83	ng	0.00
23) Nitrobenzene-d5	9.23	82	487802	113.92	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	310145	181.16	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1065396	106.02	ng	0.00
78) Terphenyl-d14	20.04	244	1609213	98.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	65775	17.379	ng	# 75
32) Benzoic acid	10.09	122	130	4.526	ng	# 1
49) Dimethylphthalate	14.14	163	67463	5.758	ng	99
56) 2,4-Dinitrotoluene	14.69	165	18211	5.796	ng	# 20
66) 4-Bromophenyl-phenylether	16.18	248	22155	5.291	ng	# 1
76) Benzidine	20.04	184	28553	2.334	ng	95

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

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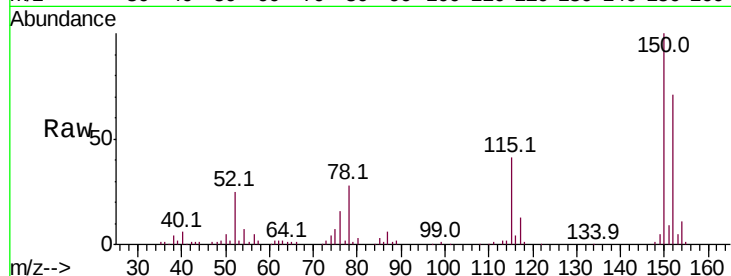


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.6	119.5	179.3
115	57.8	44.5	66.7

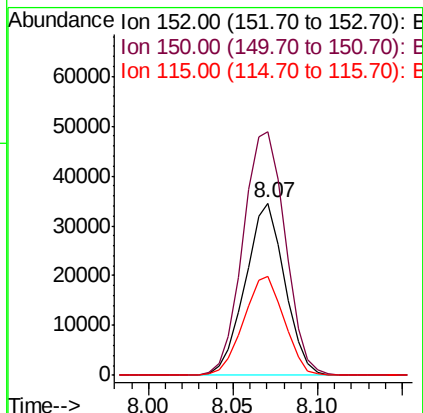
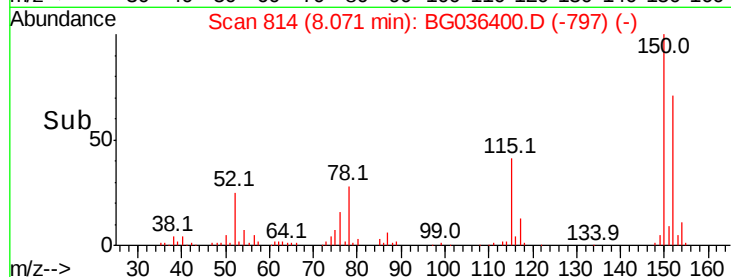


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

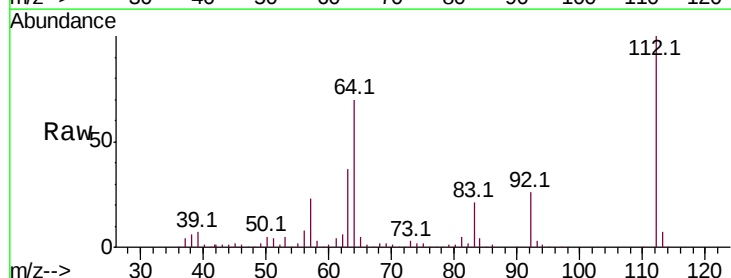
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 71.780 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	57.2	85.8
63	37.0	30.8	46.2

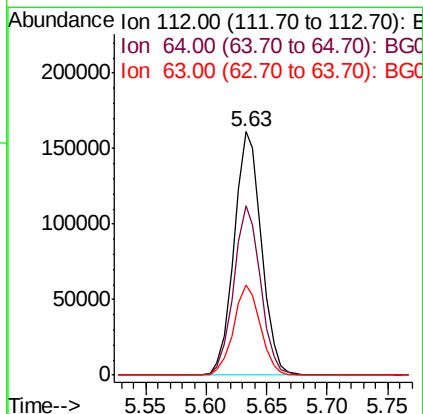
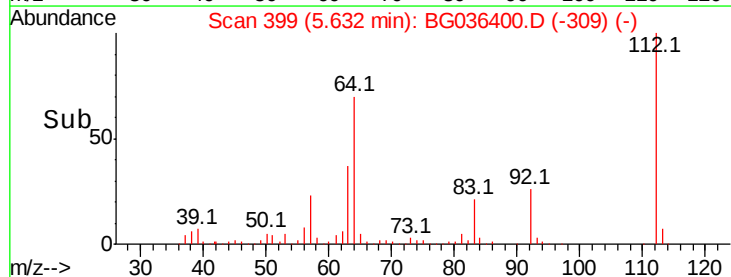


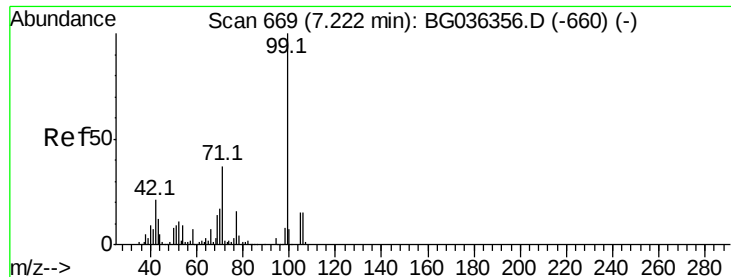
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 43.827 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036400.D

Acq: 24 Aug 2018 5:59

Instrument :

BNA_G

ClientSampleId :

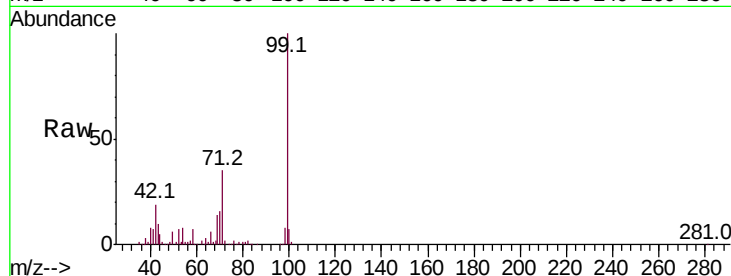
Tot Ion: 99 Resp: 221948

Ion Ratio Lower Upper

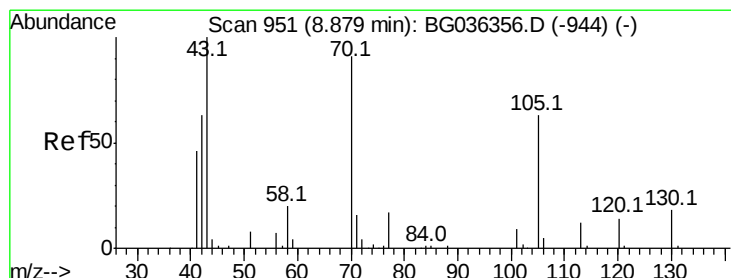
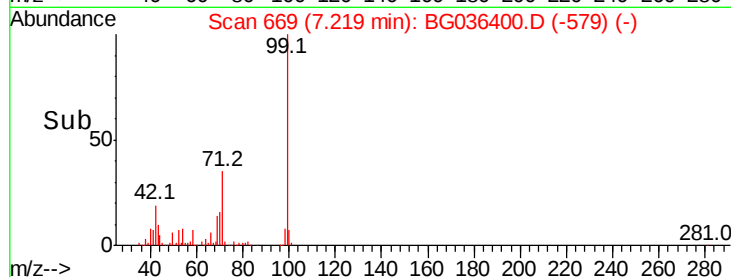
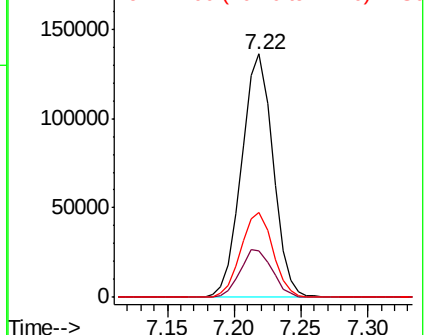
99 100

42 18.9 16.5 24.7

71 35.1 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: 17.379 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036400.D

Acq: 24 Aug 2018 5:59

Tgt Ion: 70 Resp: 65775

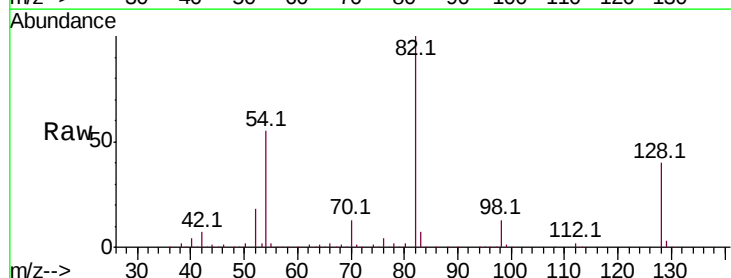
Ion Ratio Lower Upper

70 100

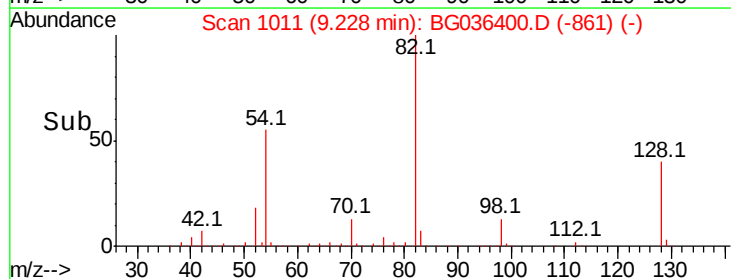
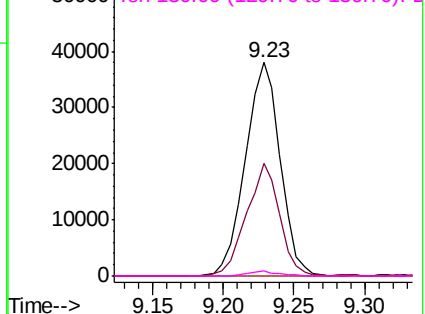
42 52.8 56.2 84.4#

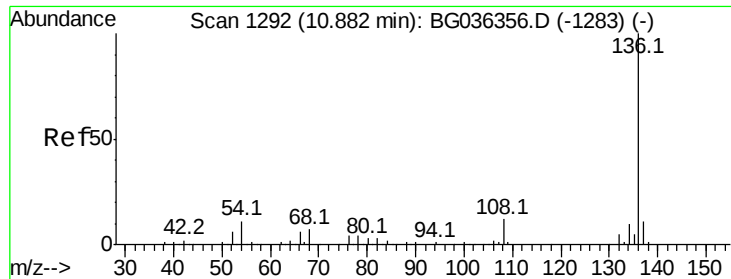
101 0.0 7.8 11.6#

130 2.2 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

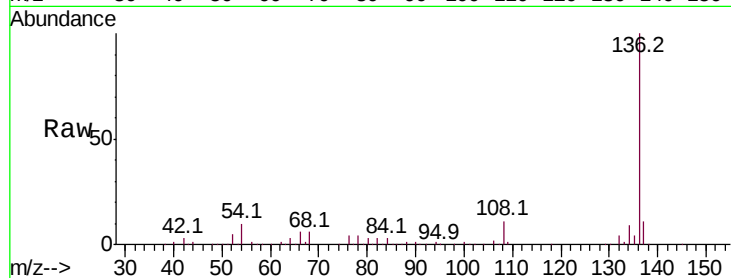




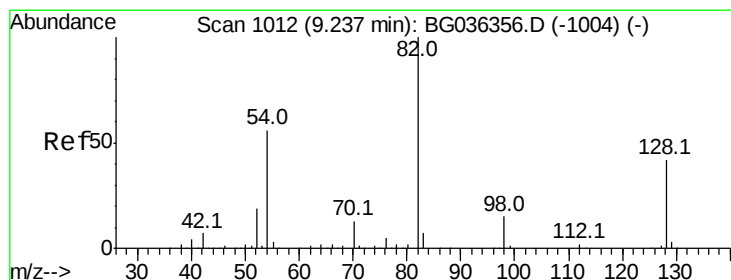
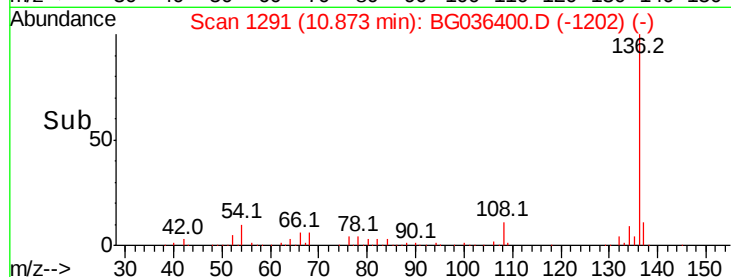
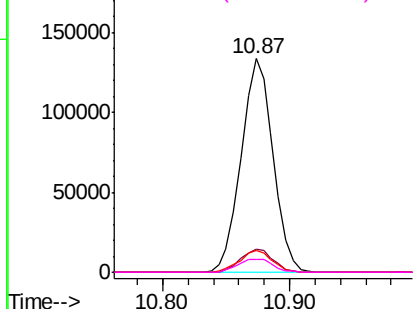
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	232330
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.8	13.2
54 10.4	9.2	13.8
68 6.0	5.8	8.6

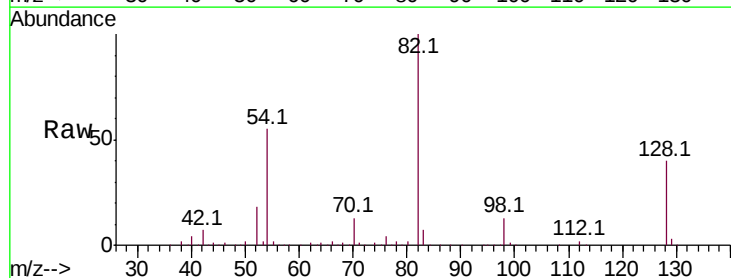


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

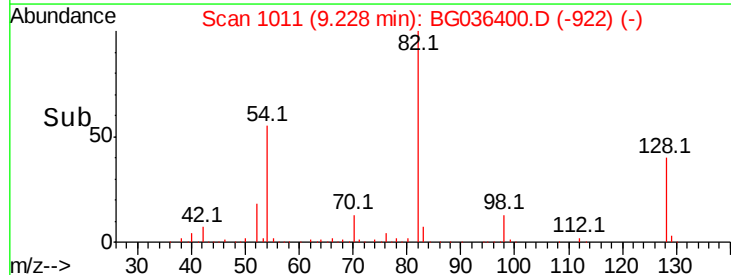
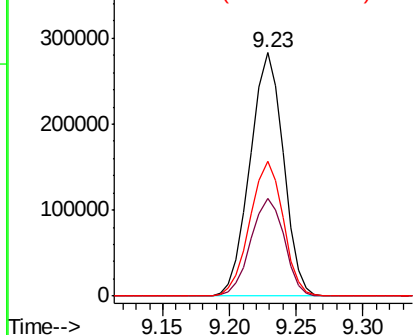


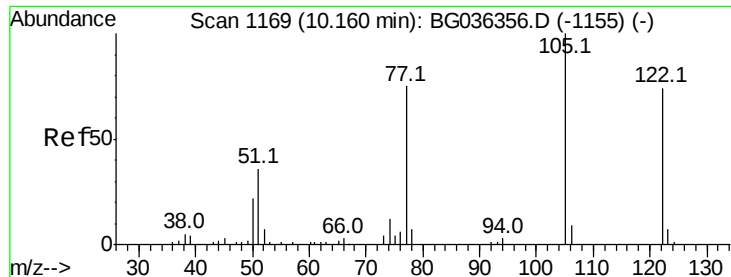
#23
Nitrobenzene-d5
Concen: 113.918 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Tgt Ion: 82	Resp: 487802
Ion Ratio	Lower Upper
82 100	
128 40.0	33.3 49.9
54 55.5	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

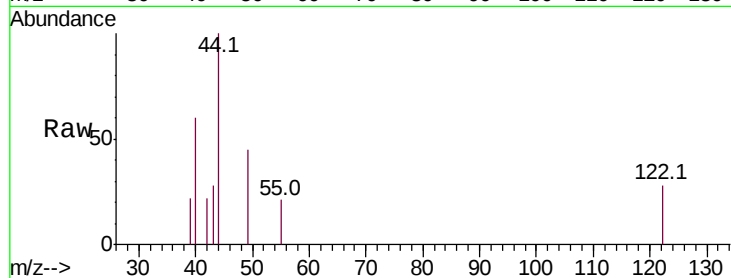




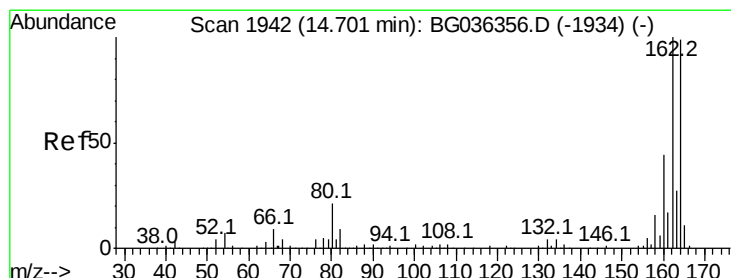
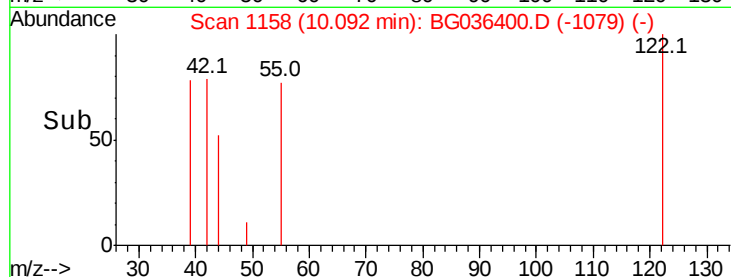
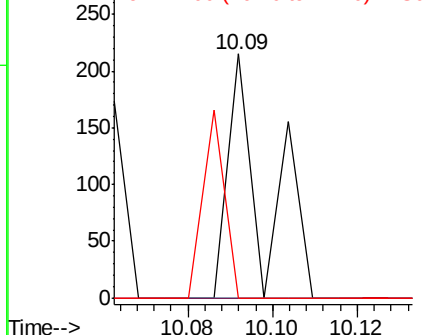
#32
Benzoic acid
Concen: 4.526 ng
RT: 10.09 min Scan# 1158
Delta R.T. -0.07 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 130
Ion Ratio Lower Upper
122 100
105 0.0 108.1 148.1#
77 0.0 76.3 116.3#

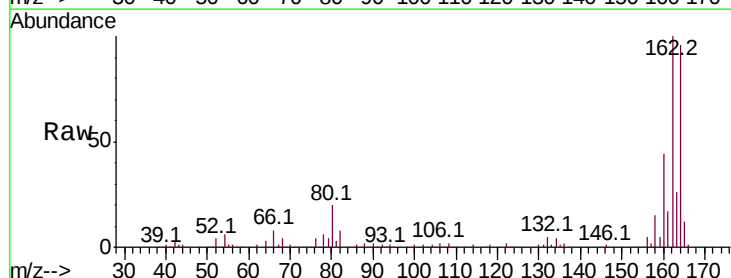


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

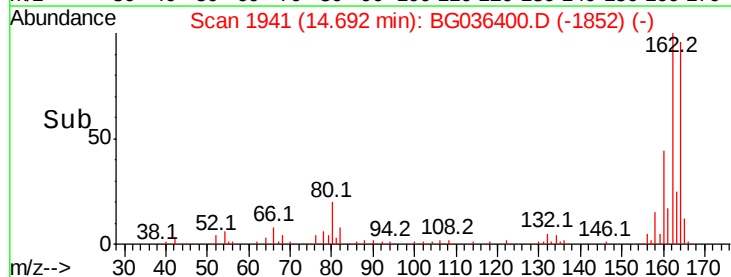
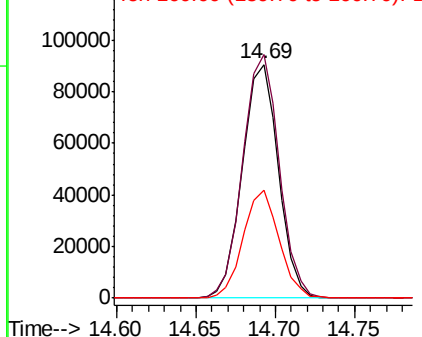


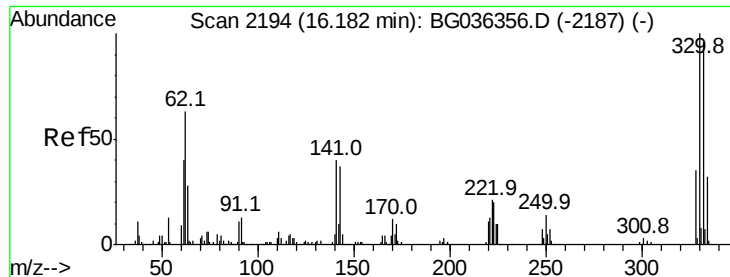
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Tgt Ion:164 Resp: 143476
Ion Ratio Lower Upper
164 100
162 104.2 80.7 121.1
160 46.3 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

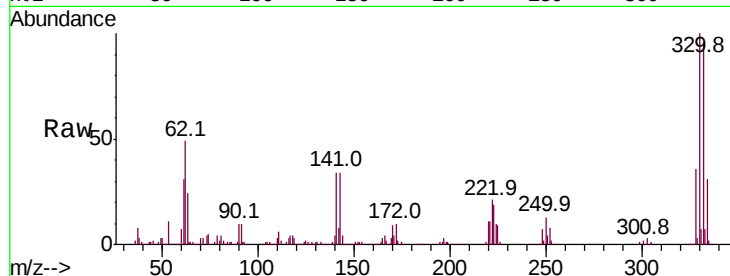




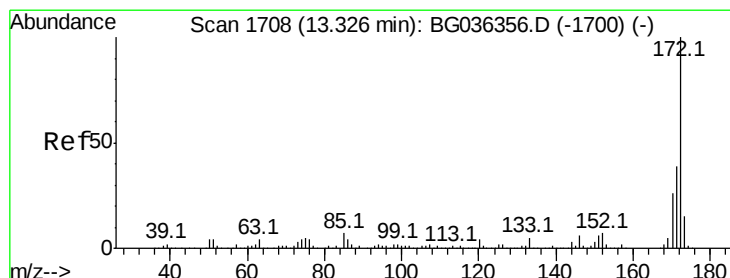
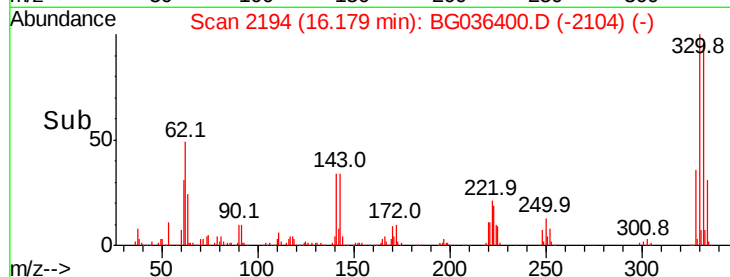
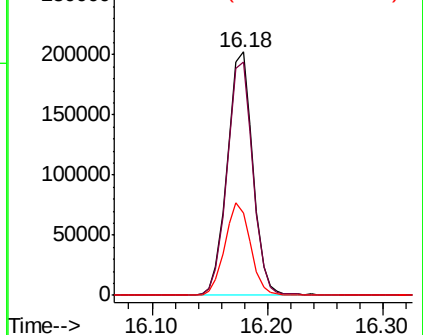
#41
 2,4,6-Tribromophenol
 Concen: 181.161 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036400.D
 Acq: 24 Aug 2018 5:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.4	113.2
141	38.1	30.7	46.1

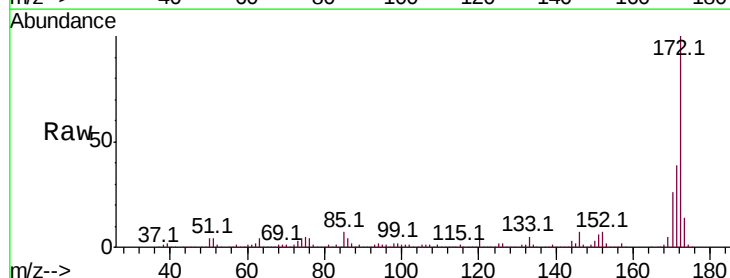


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

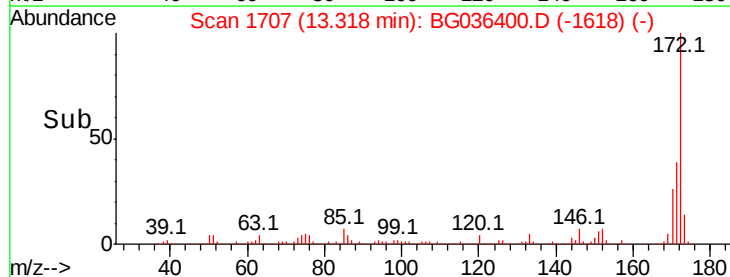
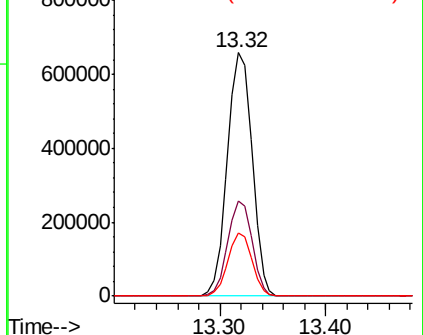


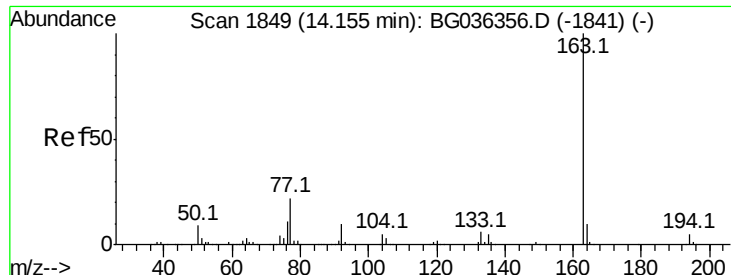
#44
 2-Fluorobiphenyl
 Concen: 106.024 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036400.D
 Acq: 24 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	31.3	46.9
170	25.8	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

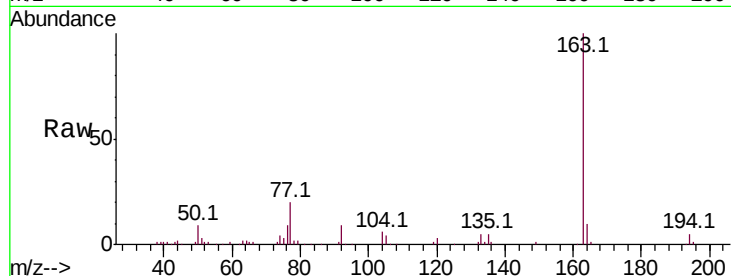




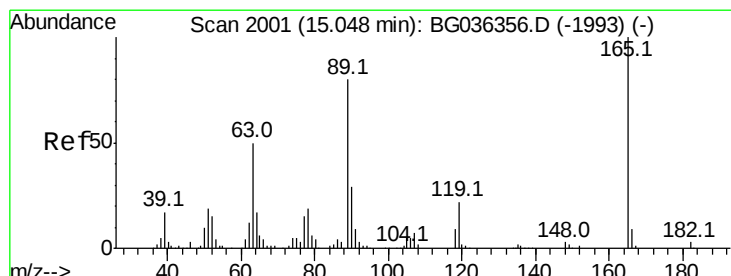
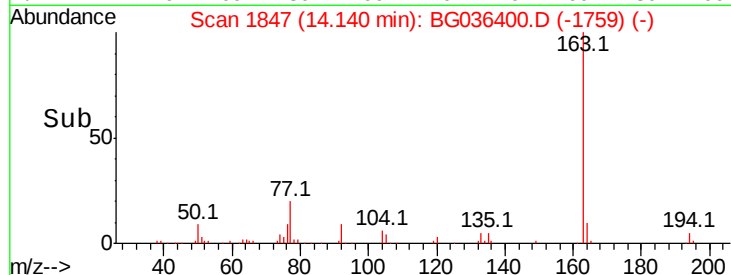
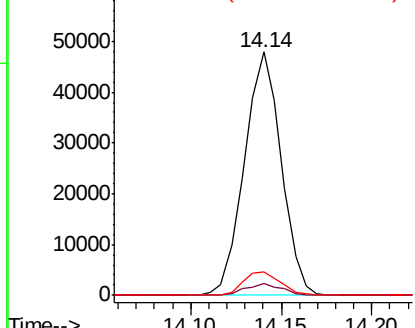
#49
Dimethylphthalate
Concen: 5.758 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 67463
Ion Ratio Lower Upper
163 100
194 4.7 4.0 6.0
164 9.6 8.1 12.1

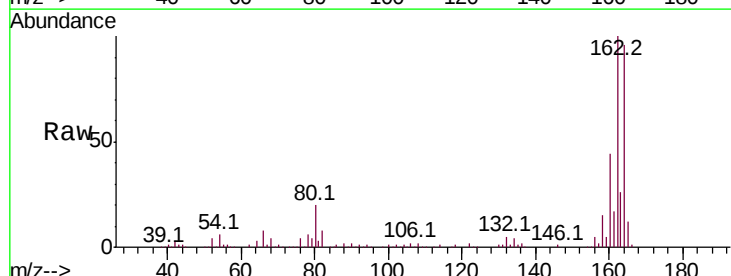


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

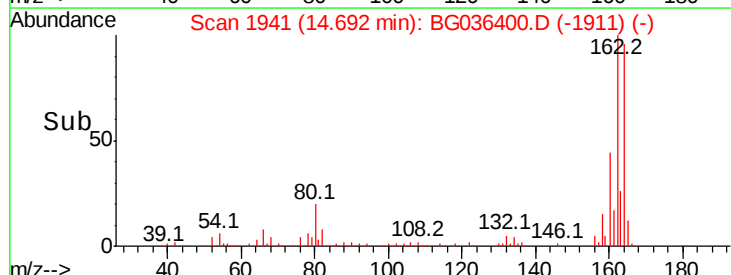
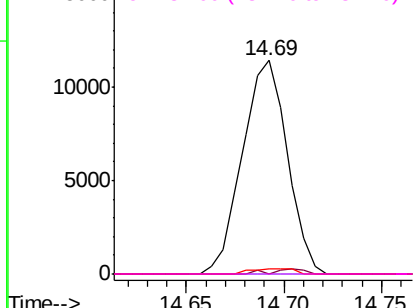


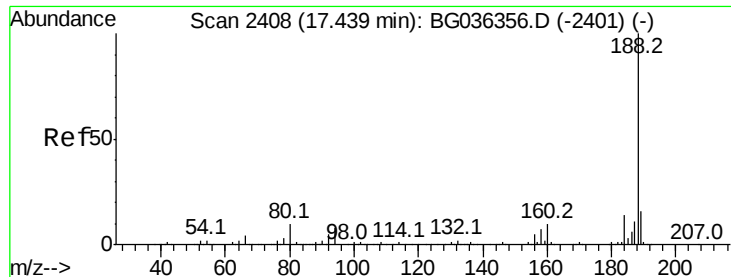
#56
2,4-Dinitrotoluene
Concen: 5.796 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.35 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Tgt Ion:165 Resp: 18211
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 2.1 63.7 95.5#
182 0.0 2.5 3.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

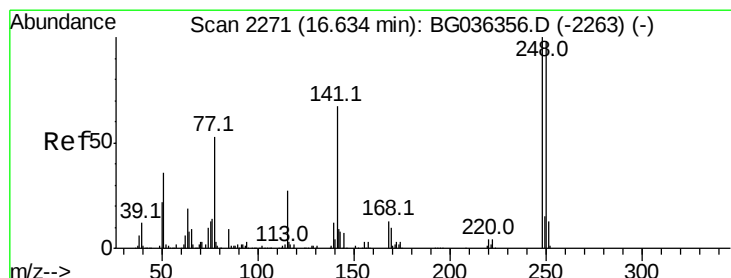
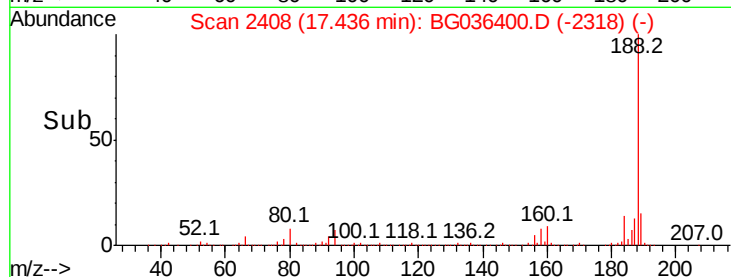
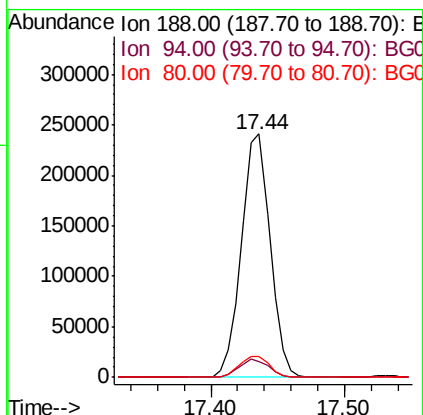
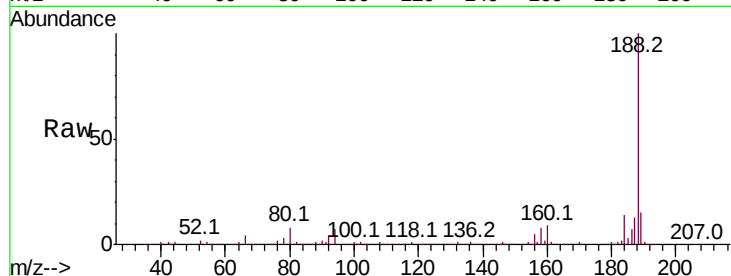




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

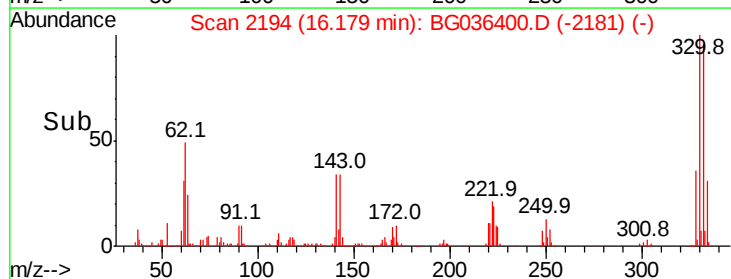
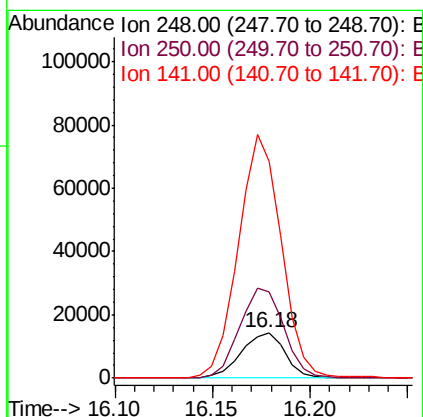
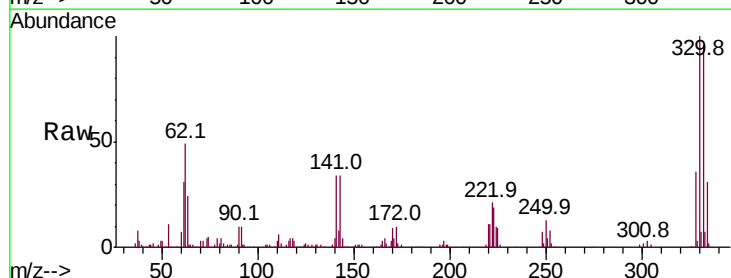
Instrument :
BNA_G
ClientSampleId :

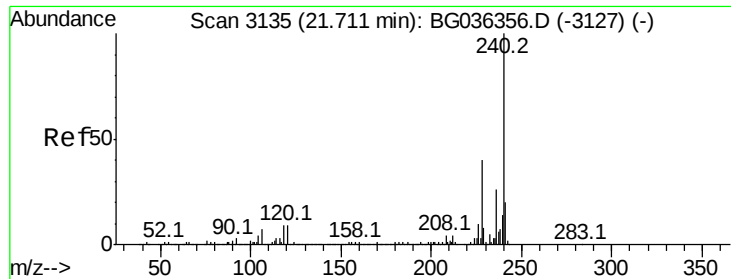
Tot Ion:188 Resp: 357669
Ion Ratio Lower Upper
188 100
94 6.6 6.7 10.1#
80 8.4 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 5.291 ng
RT: 16.18 min Scan# 2194
Delta R.T. -0.46 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Tgt Ion:248 Resp: 22155
Ion Ratio Lower Upper
248 100
250 186.9 78.1 117.1#
141 473.2 53.7 80.5#

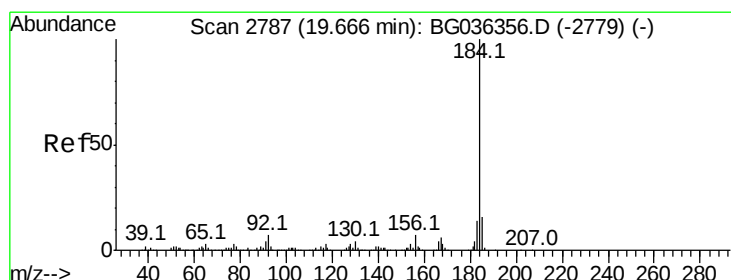
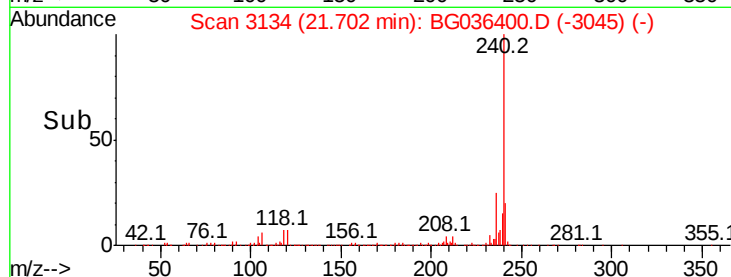
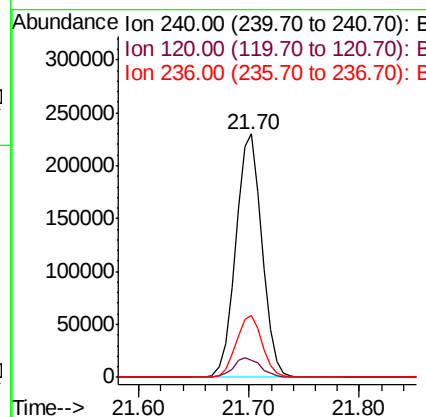
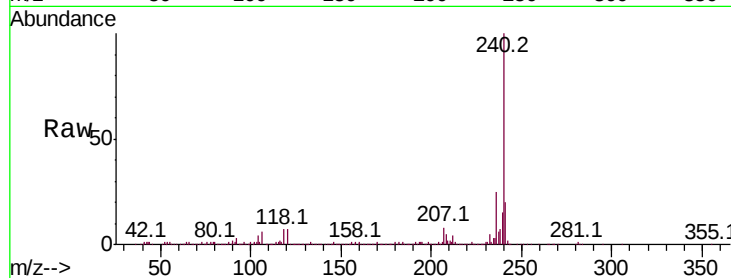




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

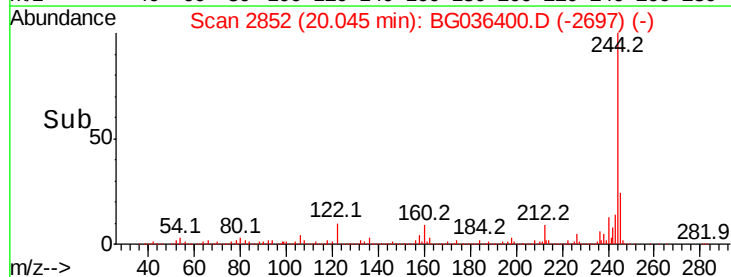
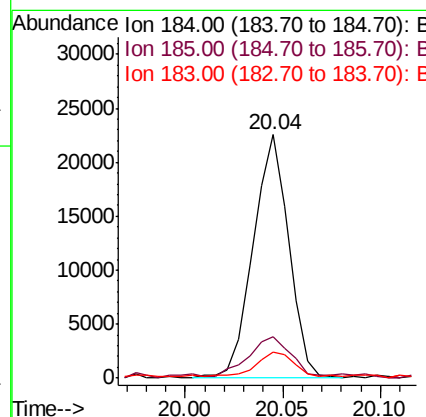
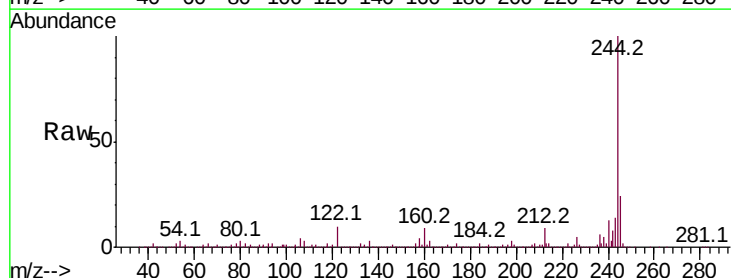
Instrument :
BNA_G
ClientSampleId :

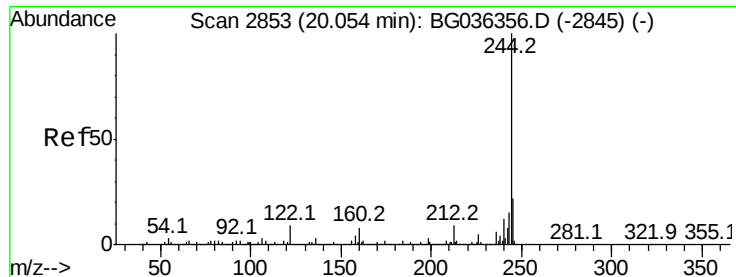
Tot Ion:240 Resp: 383448
Ion Ratio Lower Upper
240 100
120 7.2 6.9 10.3
236 25.3 21.2 31.8



#76
Benzidine
Concen: 2.334 ng
RT: 20.04 min Scan# 2852
Delta R.T. 0.38 min
Lab File: BG036400.D
Acq: 24 Aug 2018 5:59

Tgt Ion:184 Resp: 28553
Ion Ratio Lower Upper
184 100
185 17.1 12.6 18.8
183 10.9 10.9 16.3





#78

Terphenyl-d14

Concen: 98.091 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036400.D

Acq: 24 Aug 2018 5:59

Instrument :

BNA_G

ClientSampleId :

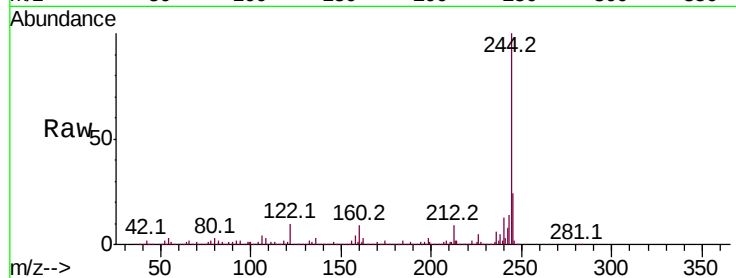
Tot Ion:244 Resp: 1609213

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.0	10.6
122	9.6	7.1	10.7

244 100

212 9.5 7.0 10.6

122 9.6 7.1 10.7

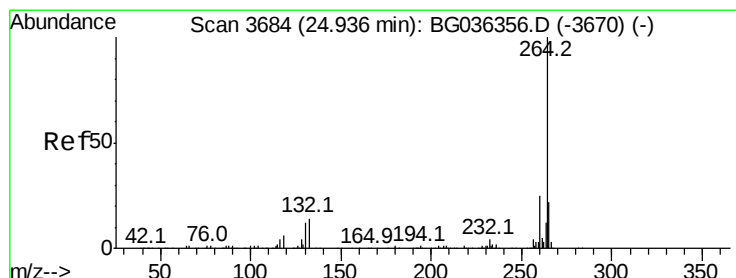
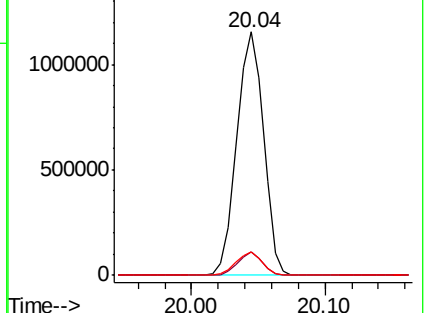
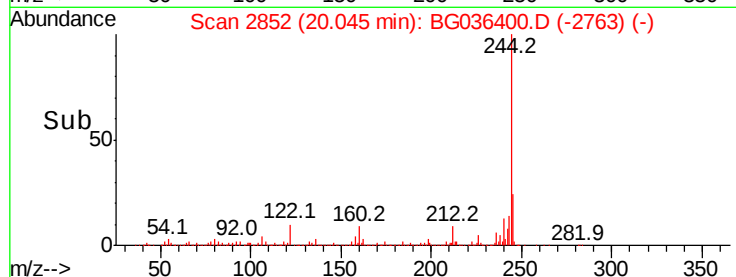


Abundance

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: 24.92 min Scan# 3682

Delta R.T. -0.01 min

Lab File: BG036400.D

Acq: 24 Aug 2018 5:59

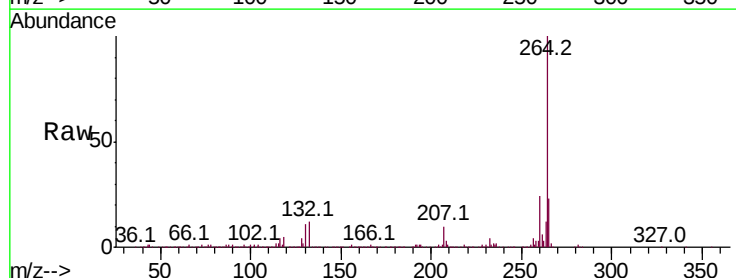
Tgt Ion:264 Resp: 404516

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	22.6	17.4	26.0

264 100

260 23.8 19.6 29.4

265 22.6 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

