

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036406.D
 Acq On : 24 Aug 2018 9:52
 Operator : JU/SJ
 Sample : J4568-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 10:46:59 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

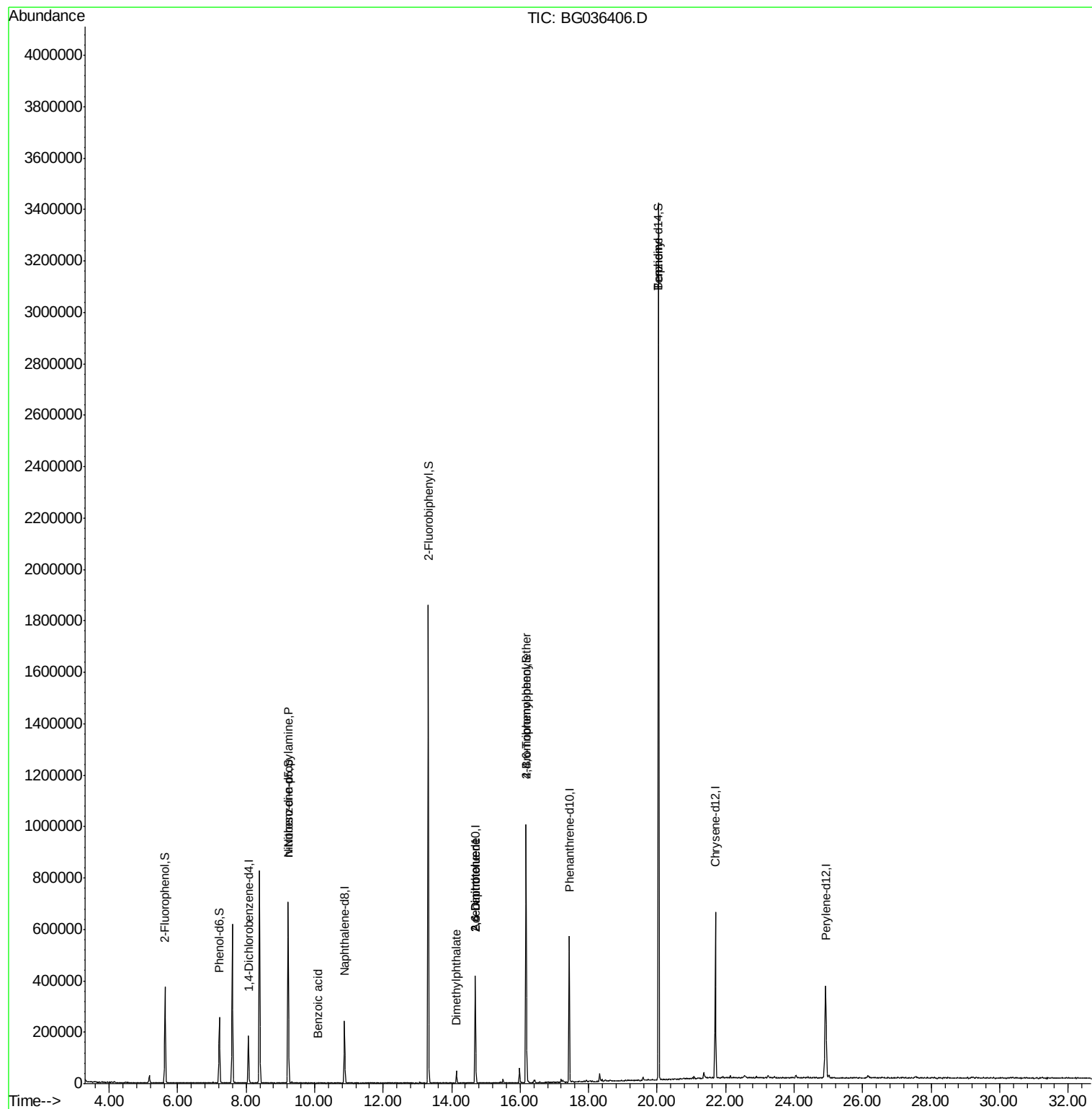
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	50758	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	207469	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	134404	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	347009	20.00	ng	0.00
75) Chrysene-d12	21.70	240	392840	20.00	ng	-0.01
86) Perylene-d12	24.91	264	401940	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	158717	49.60	ng	0.00
7) Phenol-d6	7.22	99	143511	31.33	ng	0.00
23) Nitrobenzene-d5	9.23	82	412413	107.85	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	183655	114.52	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	964694	102.48	ng	0.00
78) Terphenyl-d14	20.04	244	1520528	90.47	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	54975	16.056	ng	# 74
32) Benzoic acid	10.11	122	57	4.502	ng	# 1
49) Dimethylphthalate	14.14	163	32681	2.978	ng	# 99
50) 2,6-Dinitrotoluene	14.69	165	17645	7.813	ng	# 22
56) 2,4-Dinitrotoluene	14.69	165	17645	5.995	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	13524	3.329	ng	# 1
76) Benzidine	20.04	184	27394	2.186	ng	# 92

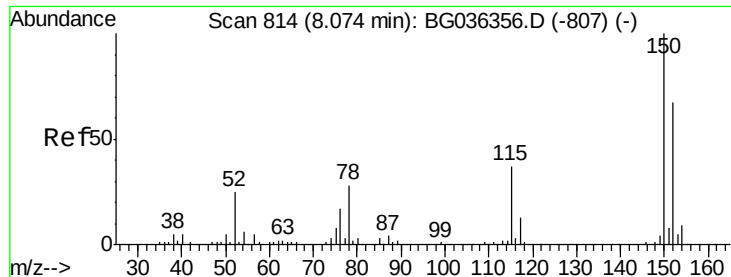
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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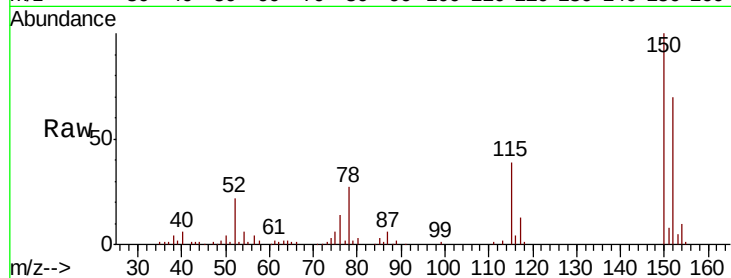


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.8	119.5	179.3
115	55.8	44.5	66.7

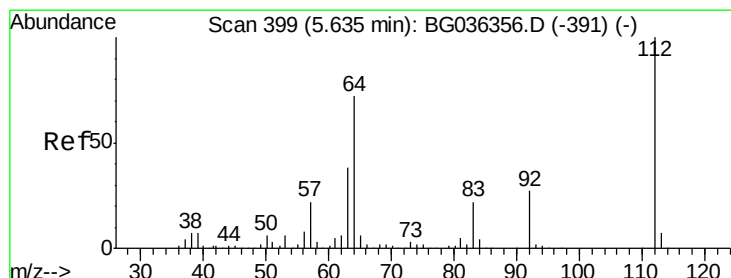
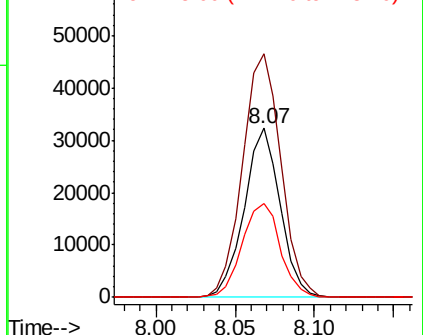
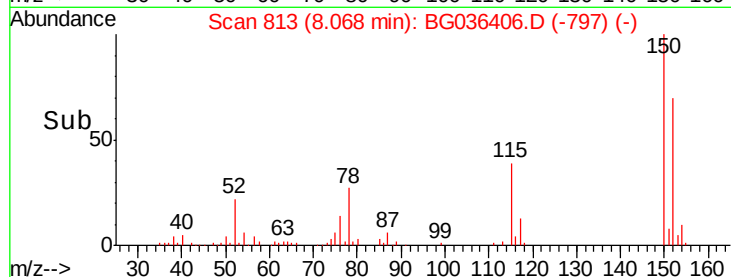


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

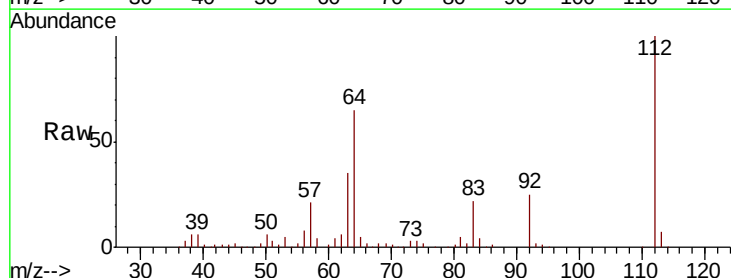
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.602 ng
RT: 5.64 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	57.2	85.8
63	35.1	30.8	46.2

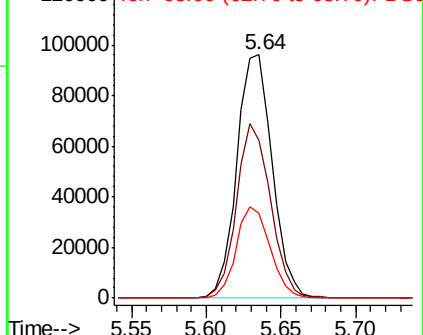
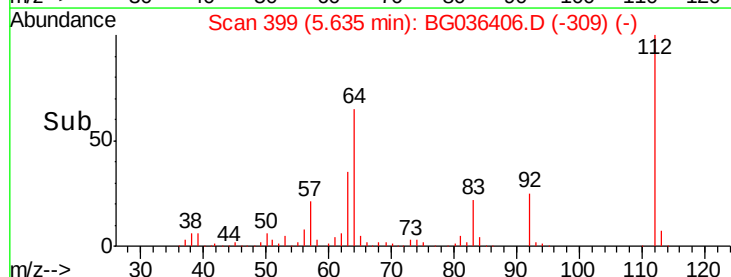


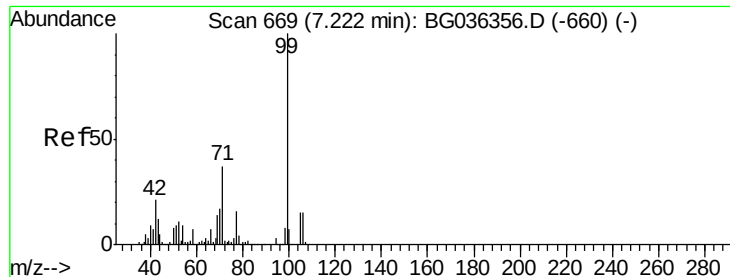
Abundance

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: 31.325 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036406.D

Acq: 24 Aug 2018 9:52

Instrument :

BNA_G

ClientSampled :

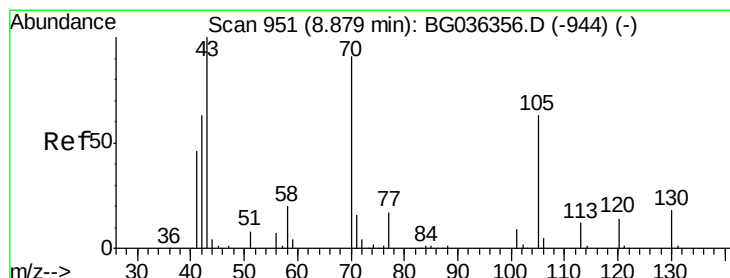
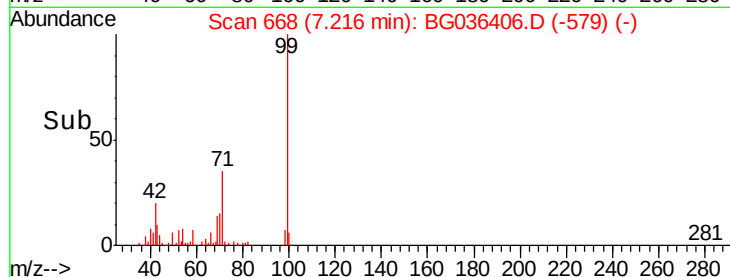
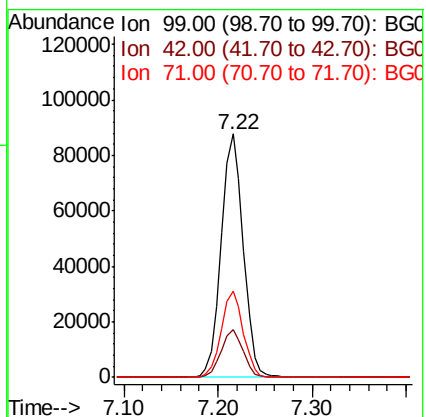
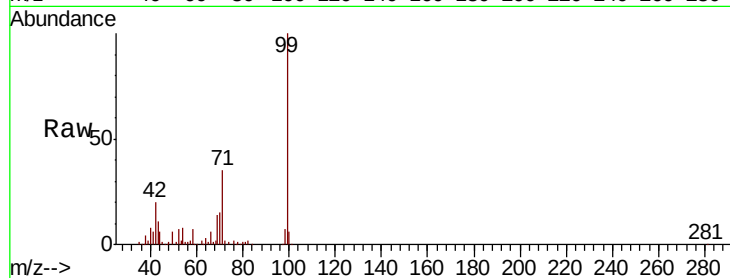
Tot Ion: 99 Resp: 143511

Ion Ratio Lower Upper

99 100

42 19.5 16.5 24.7

71 35.4 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.056 ng

RT: 9.23 min Scan# 1010

Delta R.T. 0.35 min

Lab File: BG036406.D

Acq: 24 Aug 2018 9:52

Tgt Ion: 70 Resp: 54975

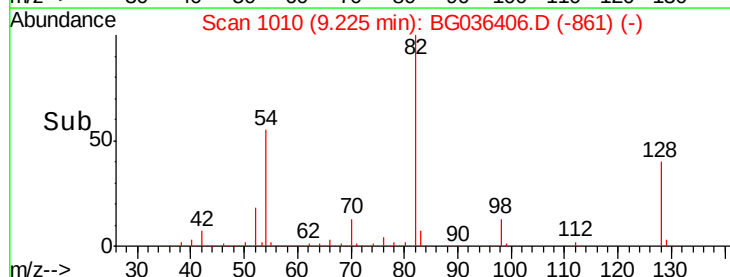
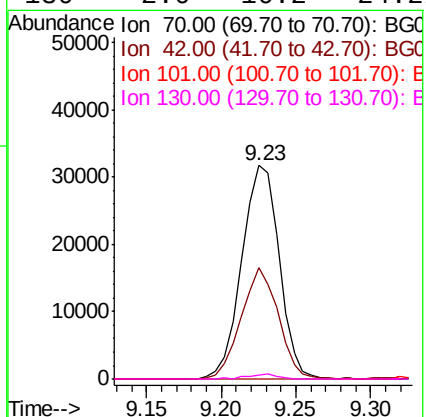
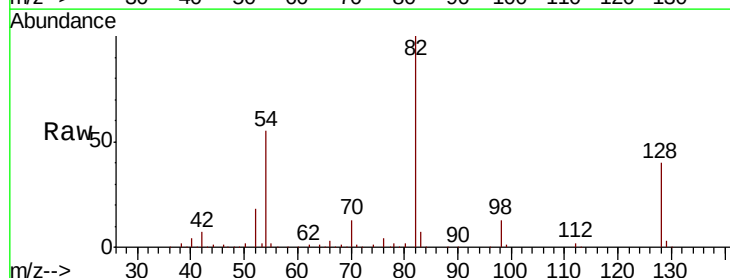
Ion Ratio Lower Upper

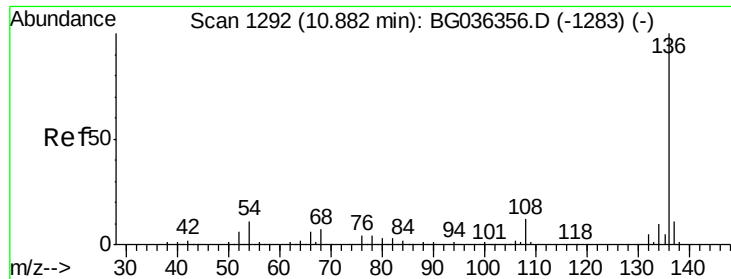
70 100

42 52.2 56.2 84.4#

101 0.0 7.8 11.6#

130 2.0 16.2 24.2#

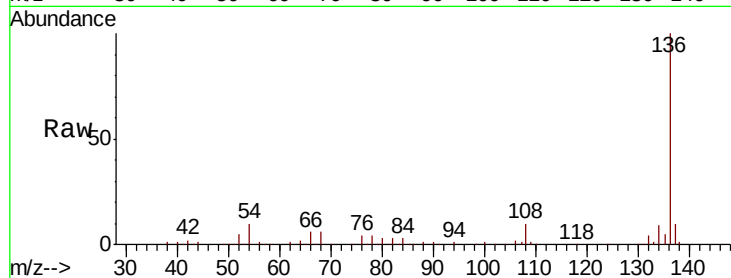




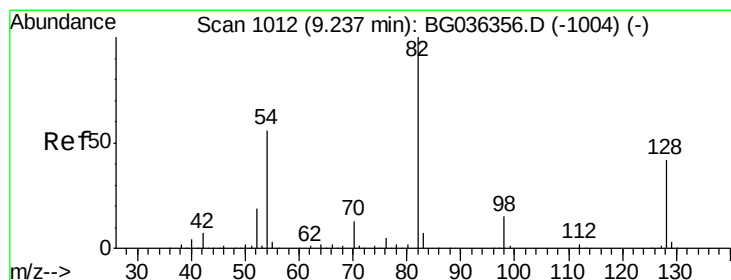
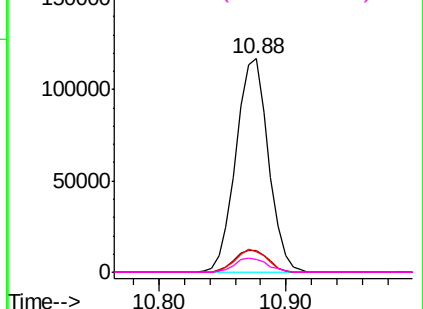
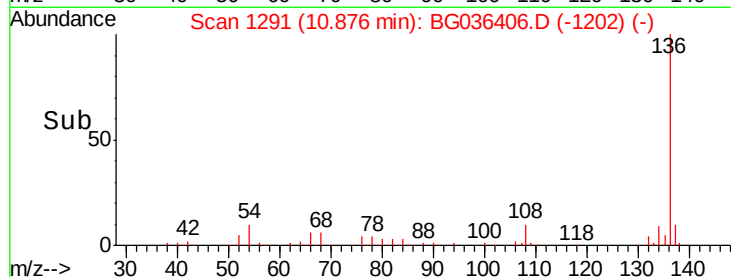
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	207469
Ion	Ratio	Lower Upper
136	100	
137	10.2	8.8 13.2
54	9.8	9.2 13.8
68	6.1	5.8 8.6

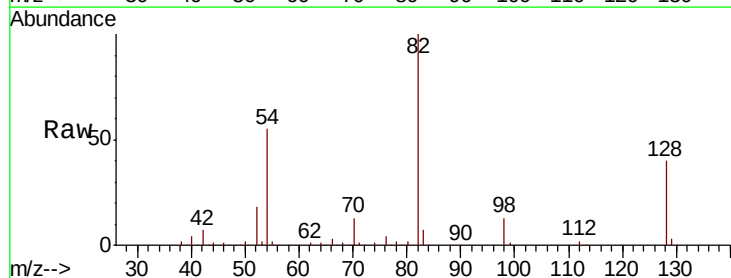


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

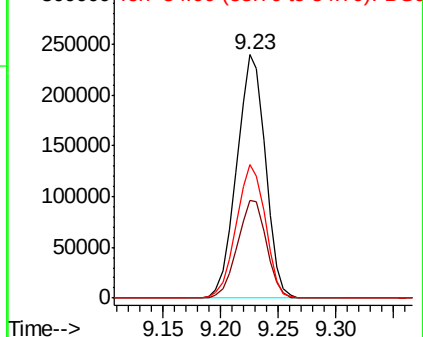
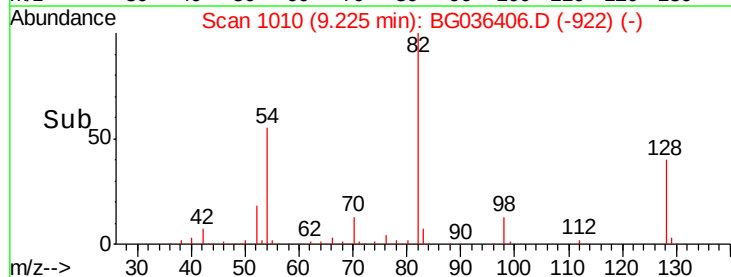


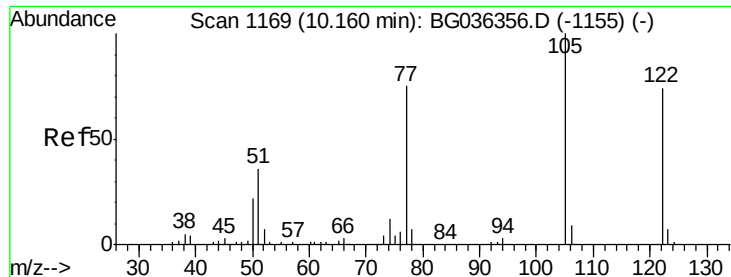
#23
Nitrobenzene-d5
Concen: 107.853 ng
RT: 9.23 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

Tgt Ion: 82	Resp:	412413
Ion	Ratio	Lower Upper
82	100	
128	40.3	33.3 49.9
54	54.7	45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

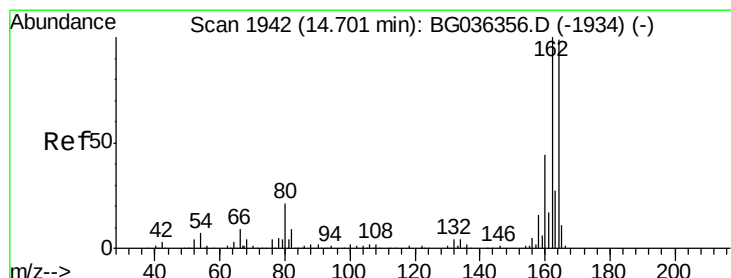
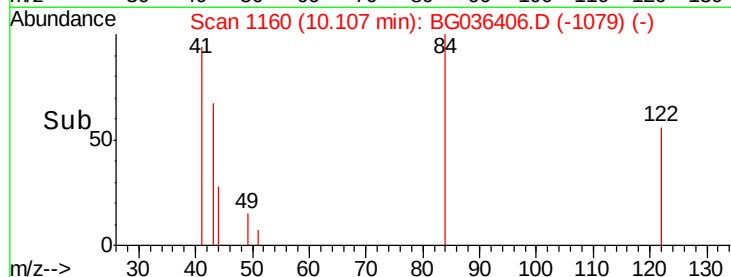
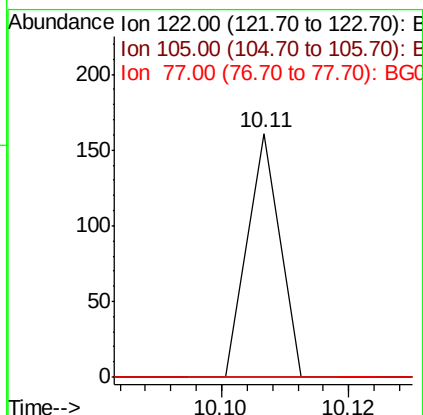
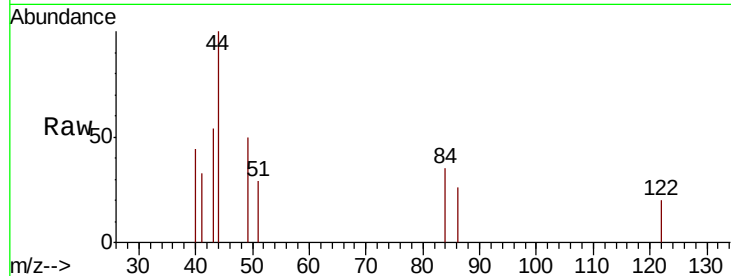




#32
Benzoic acid
Concen: 4.502 ng
RT: 10.11 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

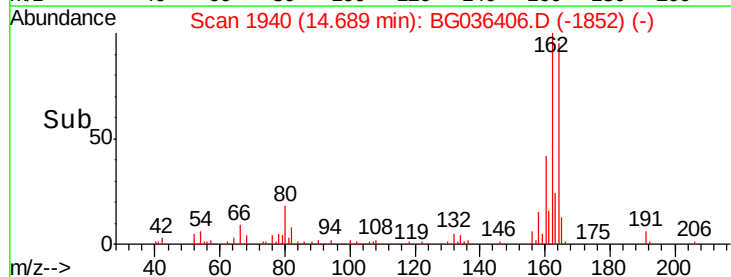
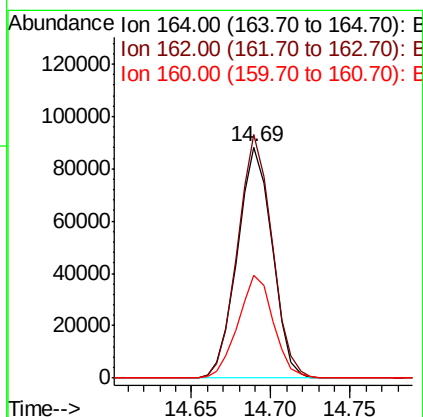
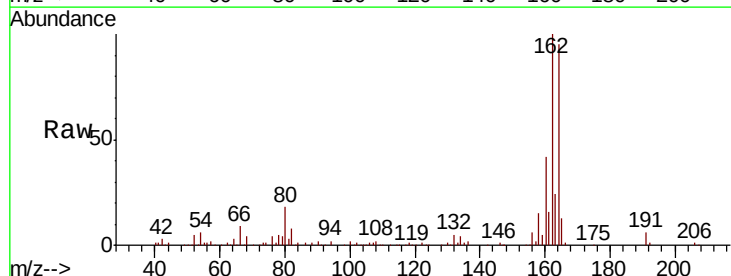
Instrument :
BNA_G
ClientSampleId :

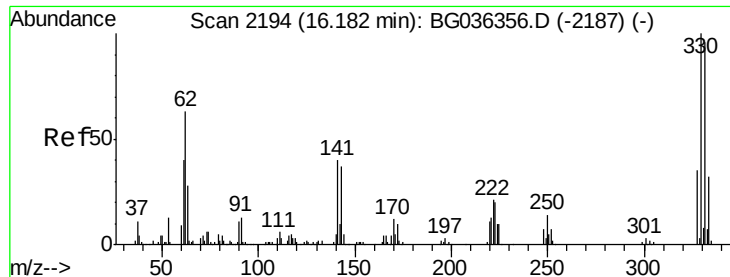
Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 108.1 148.1#
77 0.0 76.3 116.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

Tgt Ion:164 Resp: 134404
Ion Ratio Lower Upper
164 100
162 105.3 80.7 121.1
160 44.7 35.3 52.9

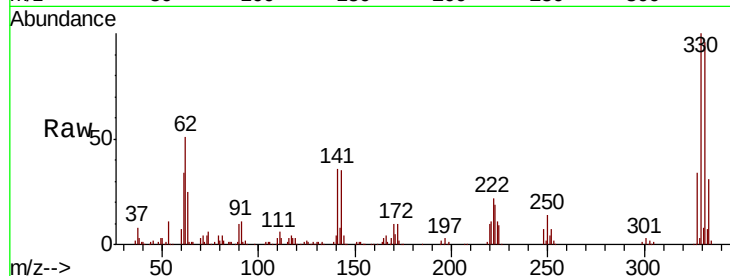




#41
 2,4,6-Tribromophenol
 Concen: 114.517 ng
 RT: 16.18 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036406.D
 Acq: 24 Aug 2018 9:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.4	113.2
141	38.3	30.7	46.1

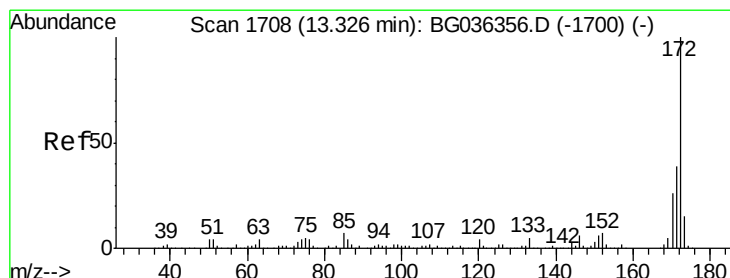
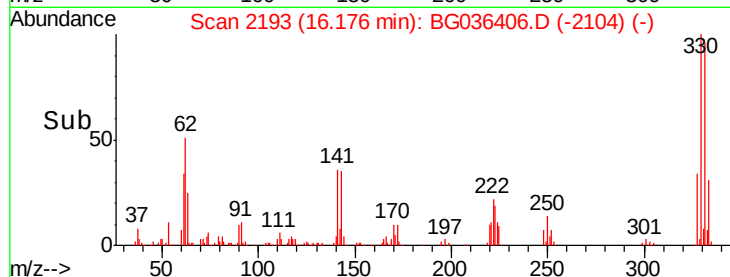
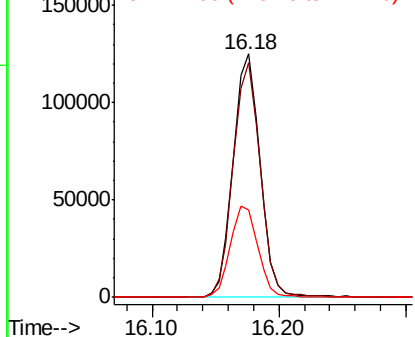


Abundance

Ion 329.80 (329.50 to 330.50): E

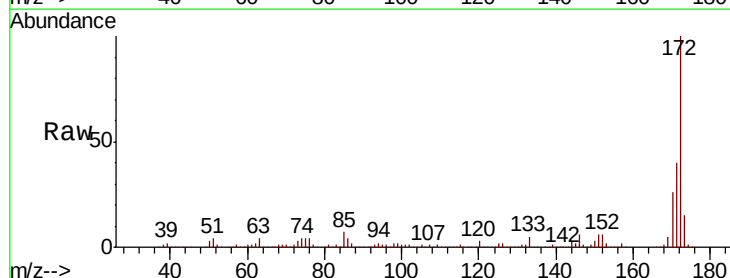
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 102.483 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036406.D
 Acq: 24 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.6	31.3	46.9
170	25.9	21.0	31.6

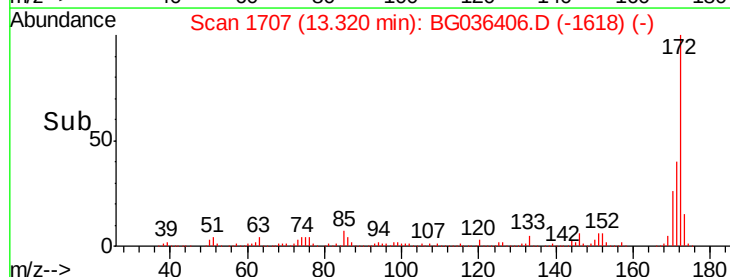
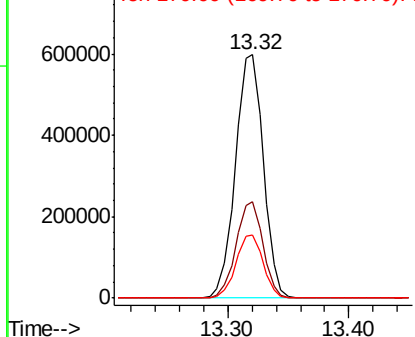


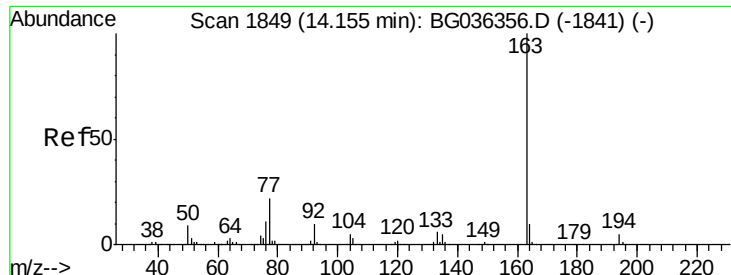
Abundance

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: 2.978 ng

RT: 14.14 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BG036406.D

Acq: 24 Aug 2018 9:52

Instrument :

BNA_G

ClientSampleId :

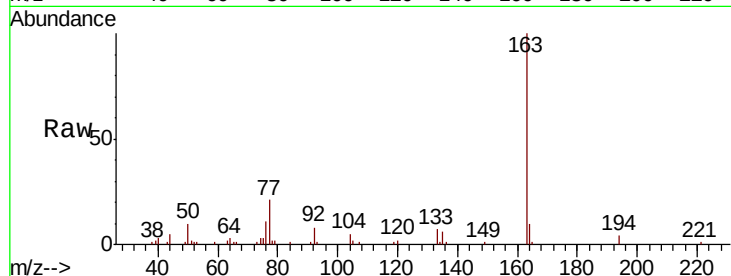
Tot Ion:163 Resp: 32681

Ion Ratio Lower Upper

163 100

194 4.2 4.0 6.0

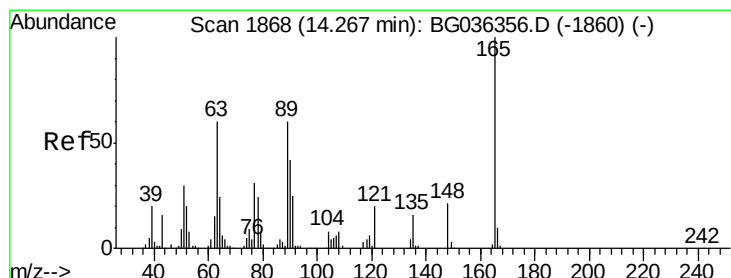
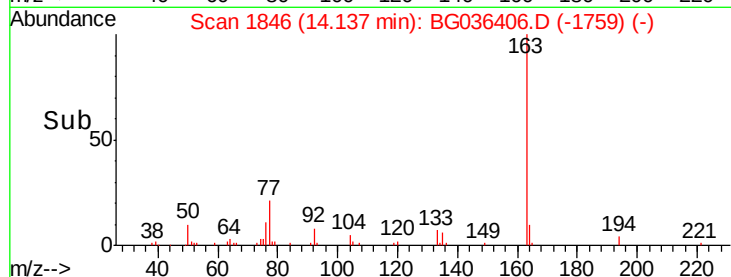
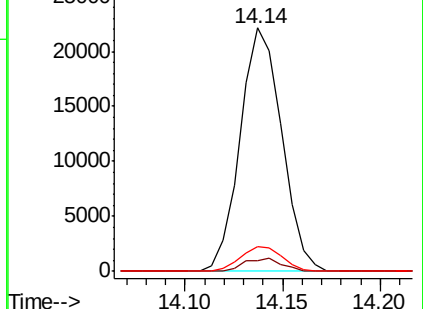
164 10.1 8.1 12.1



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: 7.813 ng

RT: 14.69 min Scan# 1940

Delta R.T. 0.42 min

Lab File: BG036406.D

Acq: 24 Aug 2018 9:52

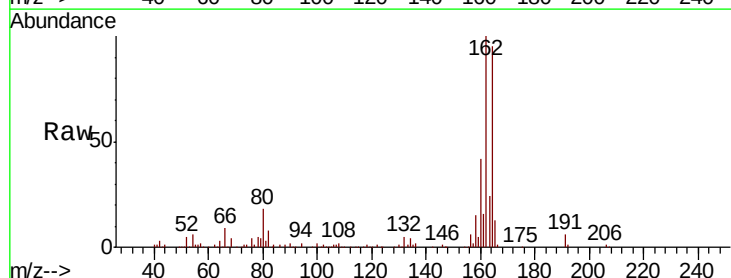
Tgt Ion:165 Resp: 17645

Ion Ratio Lower Upper

165 100

63 2.7 50.1 75.1#

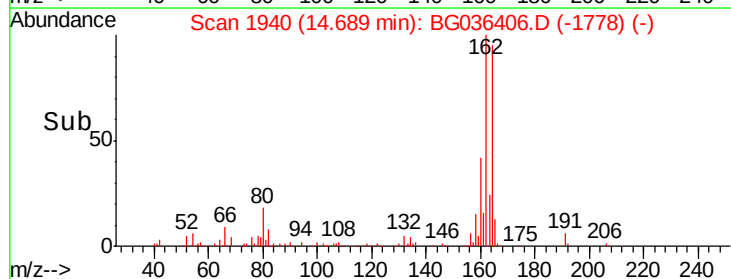
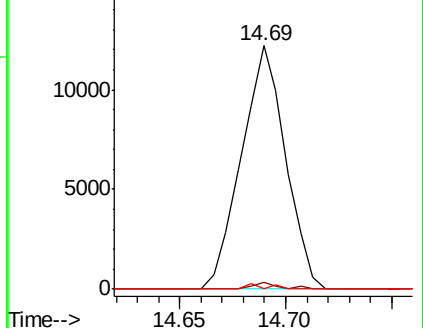
89 0.0 47.8 71.6#

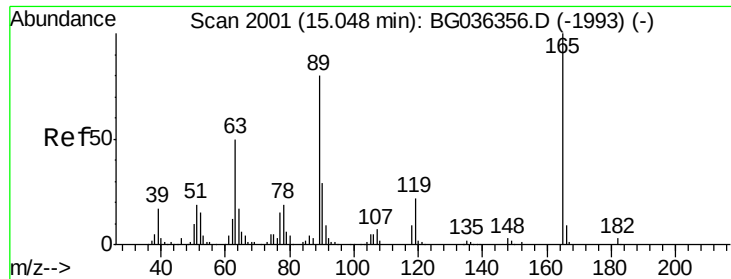


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

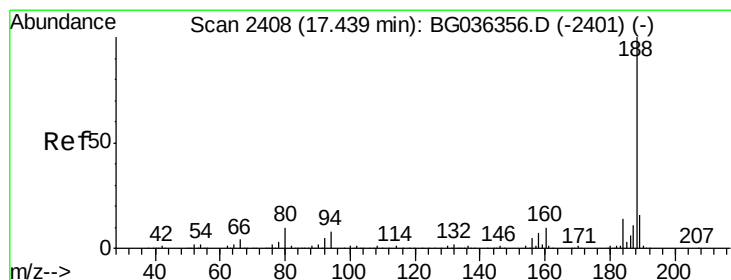
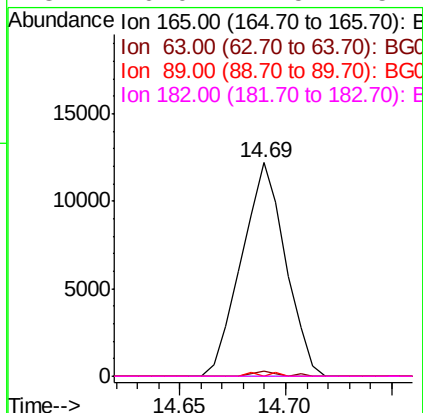
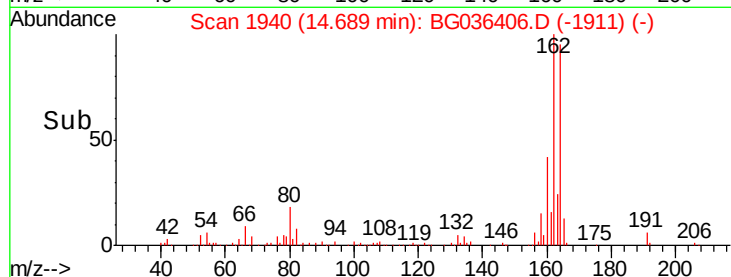
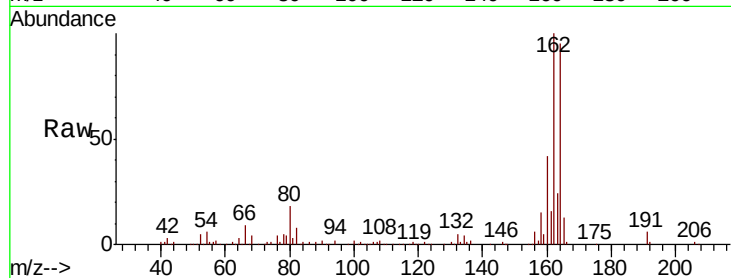




#56
 2,4-Dinitrotoluene
 Concen: 5.995 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG036406.D
 Acq: 24 Aug 2018 9:52

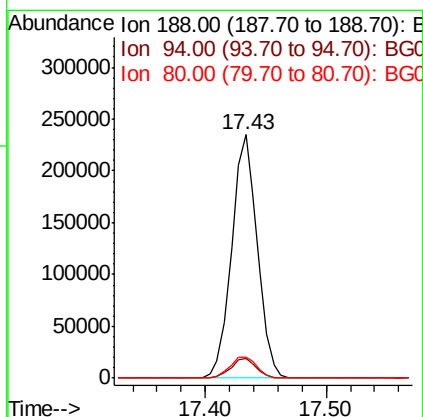
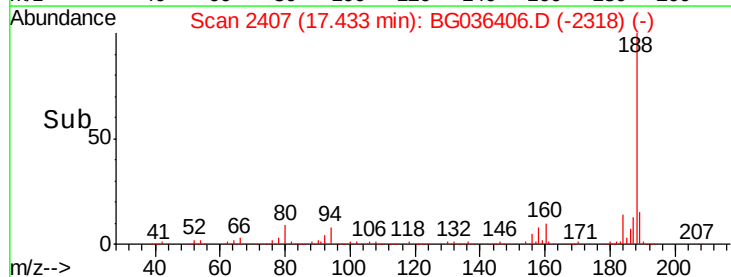
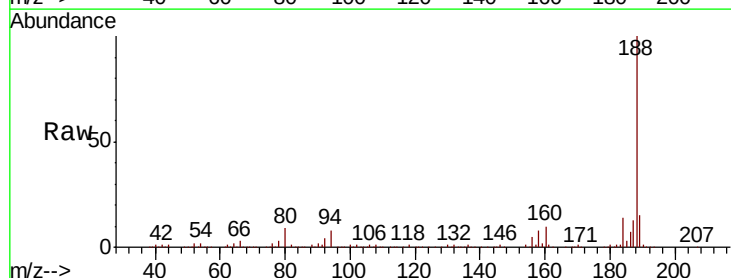
Instrument :
 BNA_G
 ClientSampleId :

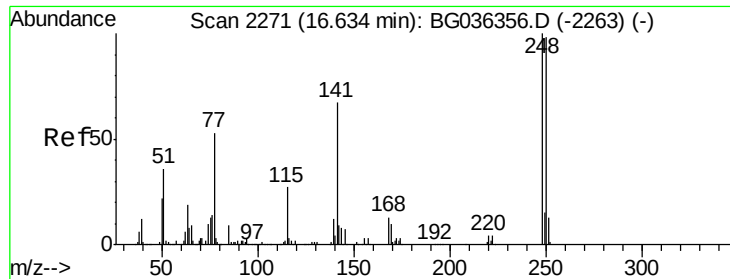
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036406.D
 Acq: 24 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.6	8.1	12.1

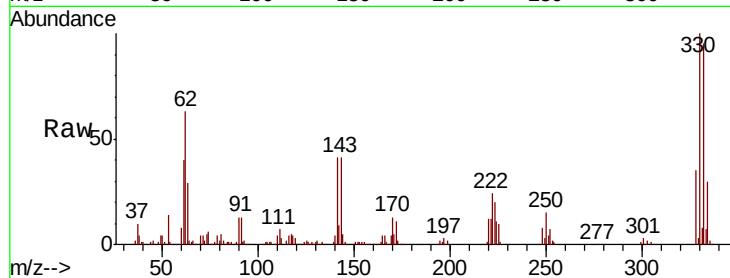




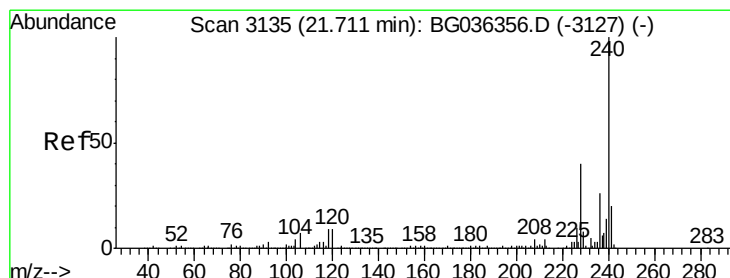
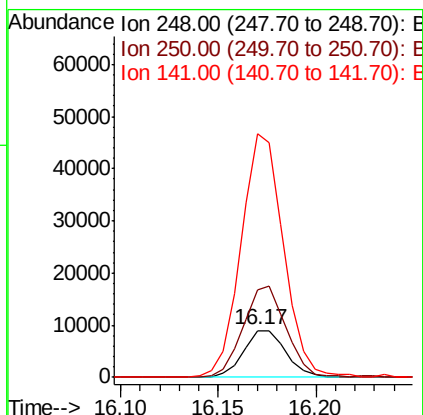
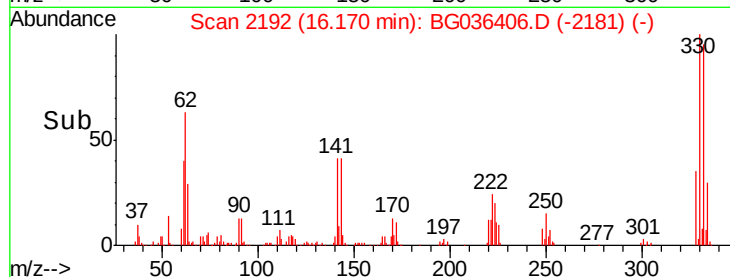
#66
 4-Bromophenyl-phenylether
 Concen: 3.329 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.46 min
 Lab File: BG036406.D
 Acq: 24 Aug 2018 9:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13524
 Ion Ratio Lower Upper
 248 100
 250 186.5 78.1 117.1#
 141 516.9 53.7 80.5#

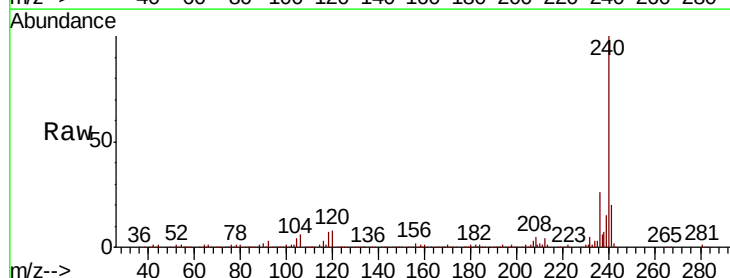


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

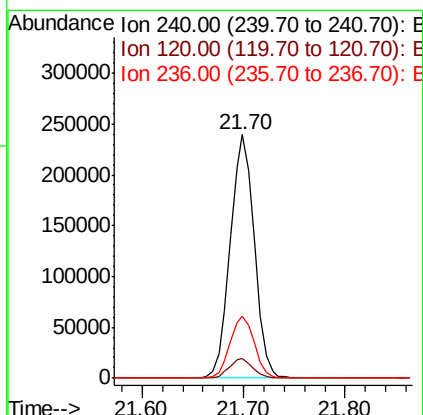
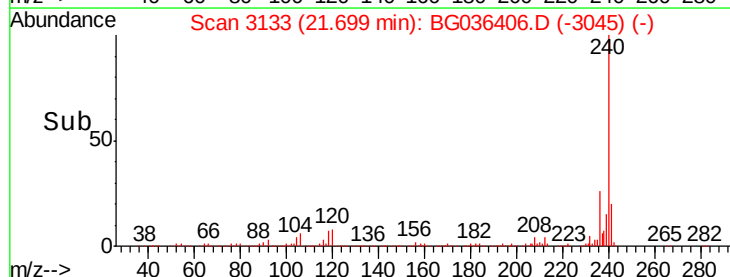


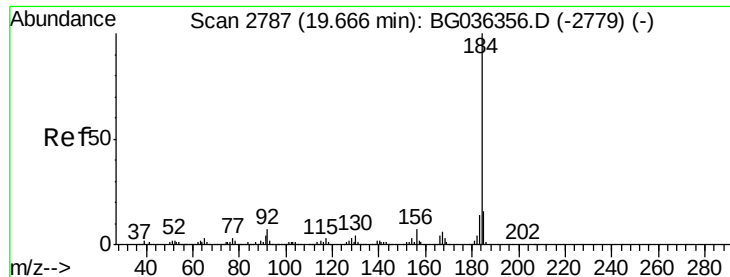
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BG036406.D
 Acq: 24 Aug 2018 9:52

Tgt Ion:240 Resp: 392840
 Ion Ratio Lower Upper
 240 100
 120 8.1 6.9 10.3
 236 25.6 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

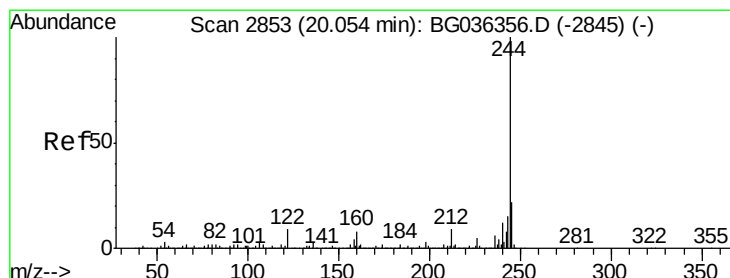
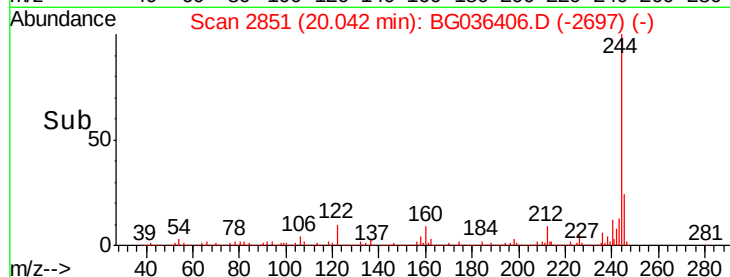
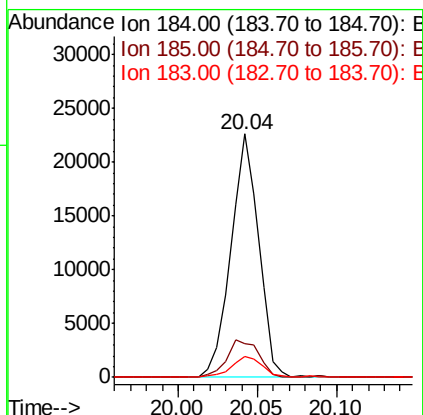
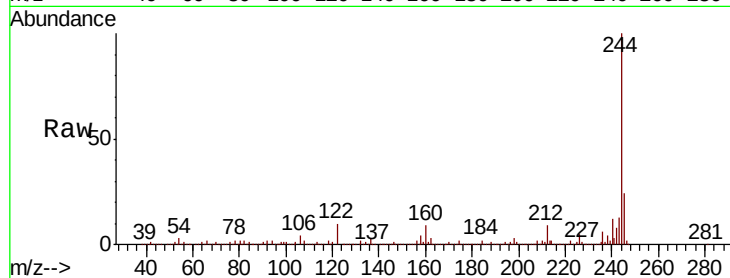




#76
Benzidine
Concen: 2.186 ng
RT: 20.04 min Scan# 2851
Delta R.T. 0.38 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

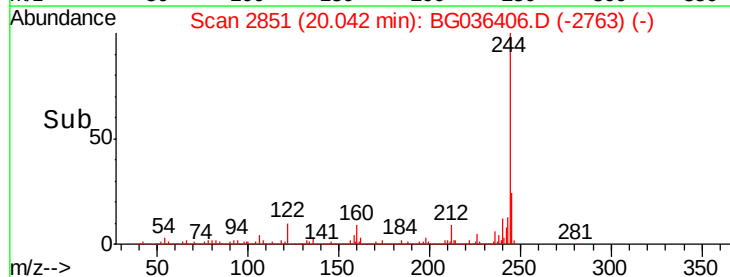
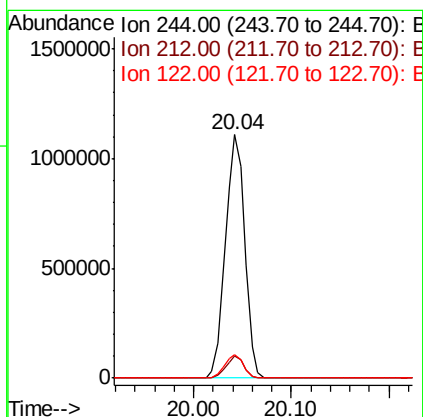
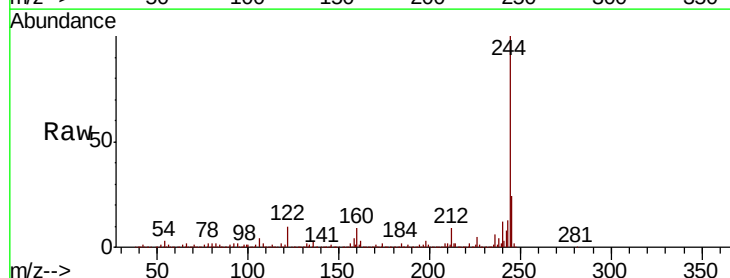
Instrument :
BNA_G
ClientSampleId :

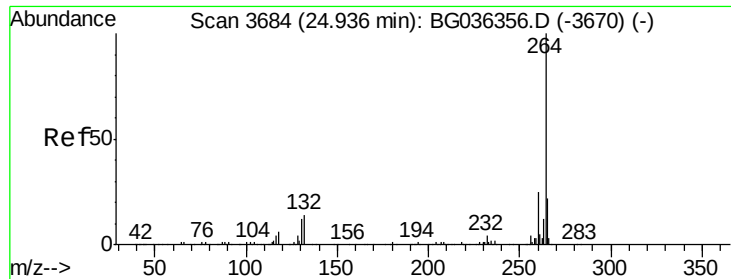
Tot Ion:184 Resp: 27394
Ion Ratio Lower Upper
184 100
185 13.8 12.6 18.8
183 8.7 10.9 16.3#



#78
Terphenyl-d14
Concen: 90.469 ng
RT: 20.04 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

Tgt Ion:244 Resp: 1520528
Ion Ratio Lower Upper
244 100
212 9.1 7.0 10.6
122 9.7 7.1 10.7





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3680
Delta R.T. -0.02 min
Lab File: BG036406.D
Acq: 24 Aug 2018 9:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.6	29.4
265	21.7	17.4	26.0

