

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091018\
 Data File : BG036632.D
 Acq On : 10 Sep 2018 19:41
 Operator : JU/SJ
 Sample : J4769-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 11 01:55:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

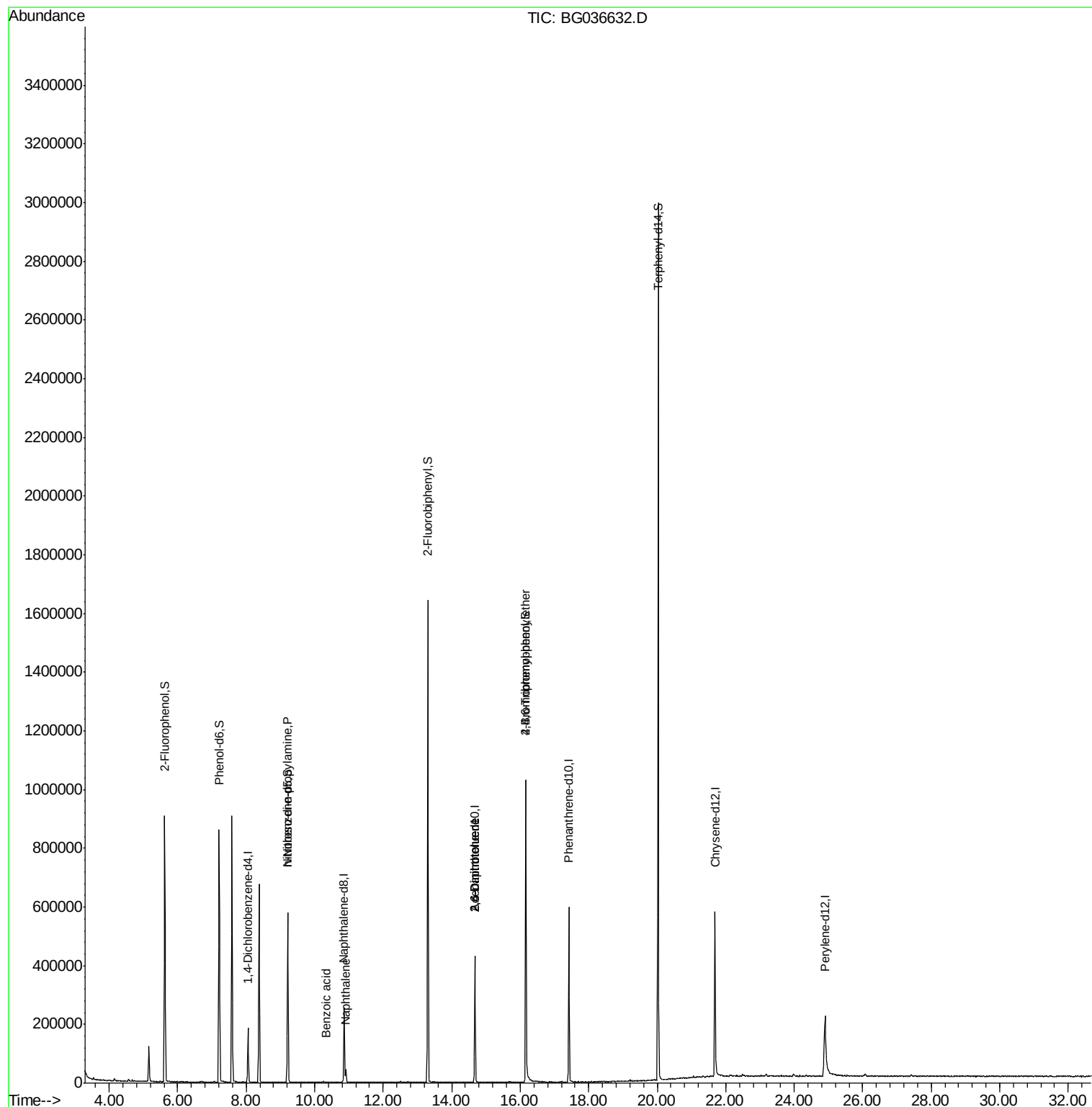
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	52111	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	218171	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	148082	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	372694	20.00	ng	0.00
75) Chrysene-d12	21.69	240	388081	20.00	ng	0.00
86) Perylene-d12	24.90	264	322315	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	373970	113.84	ng	0.00
7) Phenol-d6	7.21	99	493945	105.02	ng	0.00
23) Nitrobenzene-d5	9.21	82	347370	86.39	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	206610	116.93	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	823981	79.45	ng	0.00
78) Terphenyl-d14	20.03	244	1437169	86.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	46678	13.279	ng	Qvalue # 72
31) Naphthalene	10.91	128	35921	3.294	ng	# 99
32) Benzoic acid	10.35	122	75	4.508	ng	# 1
50) 2,6-Dinitrotoluene	14.68	165	19184	7.710	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	19184	5.916	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	13866	3.178	ng	# 1

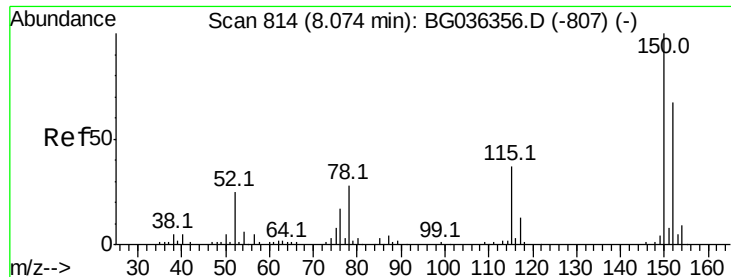
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration



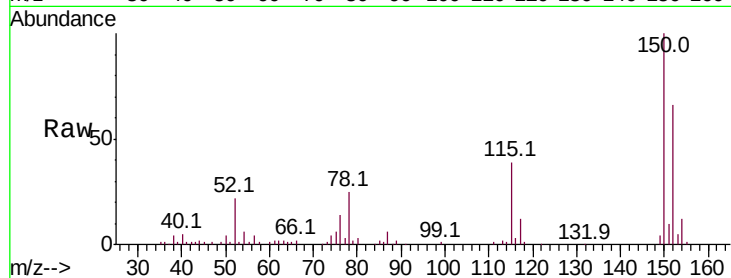


#1

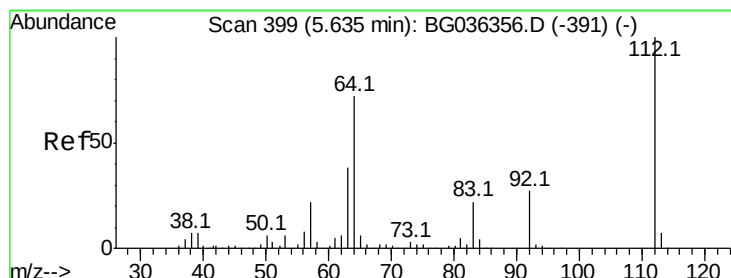
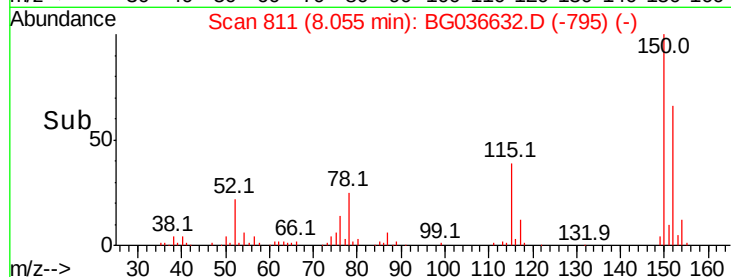
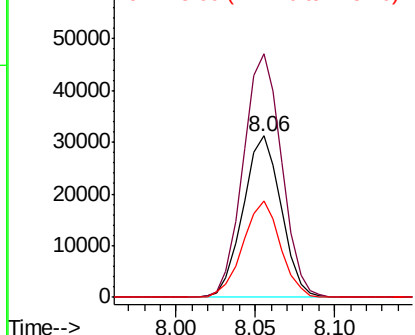
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036632.D
Acq: 10 Sep 2018 19:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52111
Ion Ratio Lower Upper
152 100
150 150.7 119.5 179.3
115 59.4 44.5 66.7



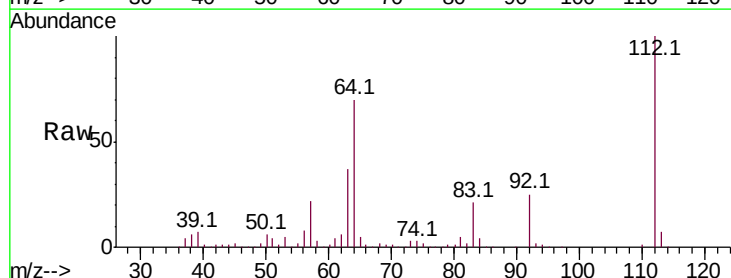
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



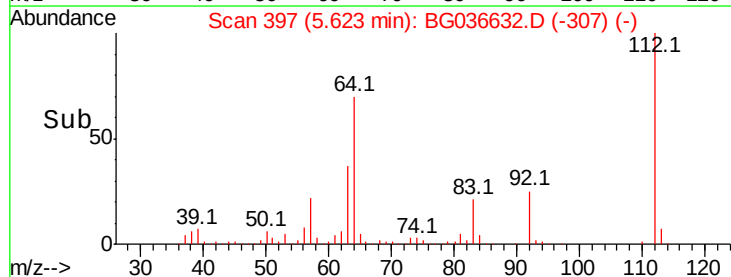
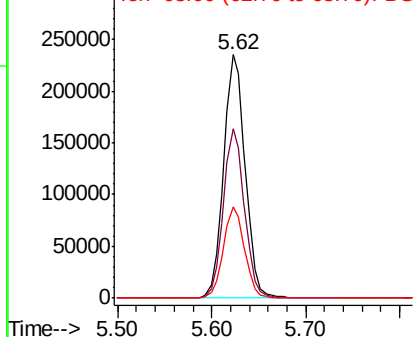
#5

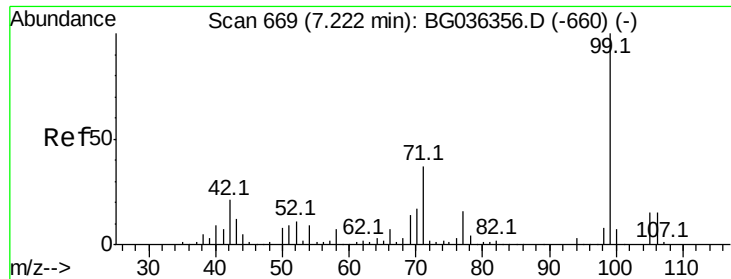
2-Fluorophenol
Concen: 113.839 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036632.D
Acq: 10 Sep 2018 19:41

Tgt Ion:112 Resp: 373970
Ion Ratio Lower Upper
112 100
64 69.7 57.2 85.8
63 37.3 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: 105.018 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036632.D

Acq: 10 Sep 2018 19:41

Instrument :

BNA_G

ClientSampled :

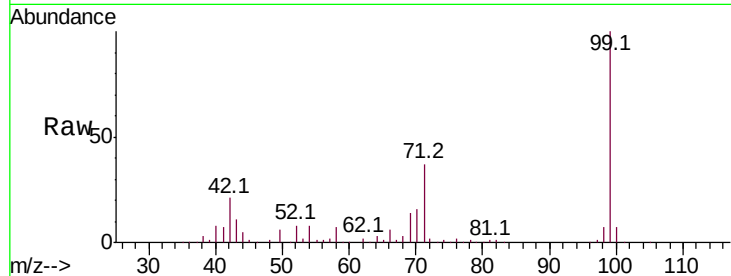
Tot Ion: 99 Resp: 493945

Ion Ratio Lower Upper

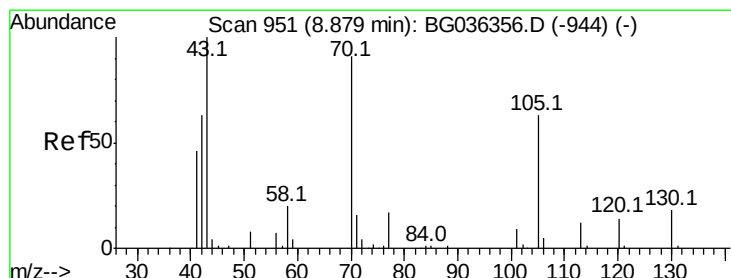
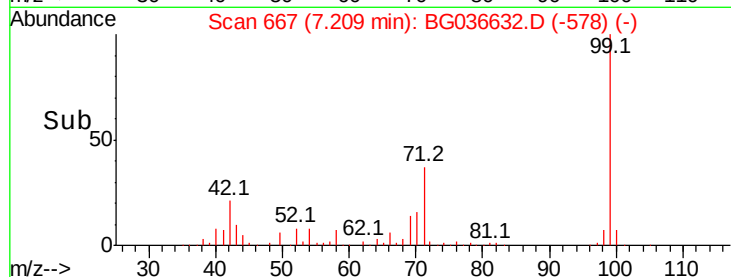
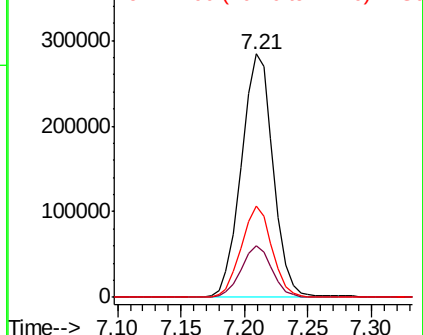
99 100

42 21.0 16.5 24.7

71 37.5 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: 13.279 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036632.D

Acq: 10 Sep 2018 19:41

Tgt Ion: 70 Resp: 46678

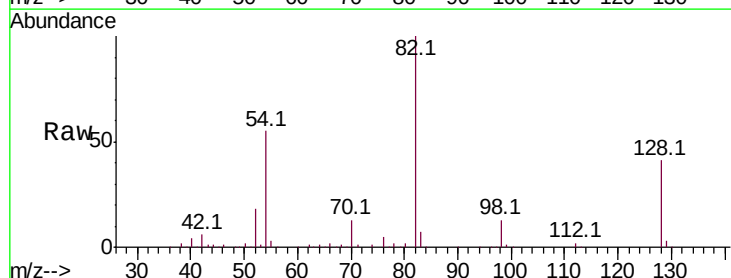
Ion Ratio Lower Upper

70 100

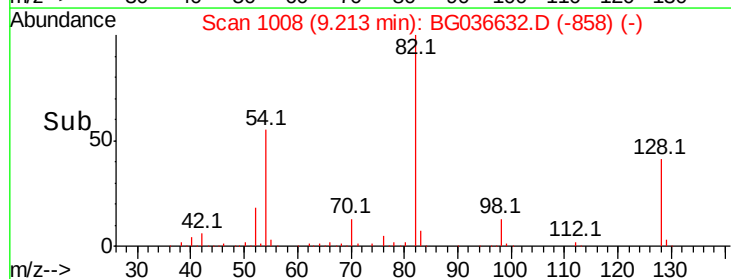
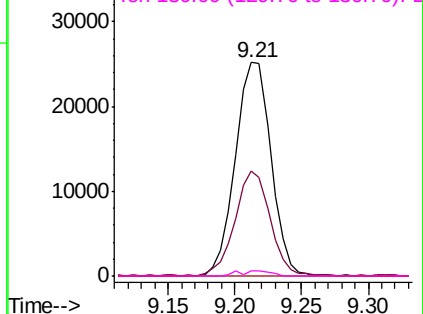
42 49.3 56.2 84.4#

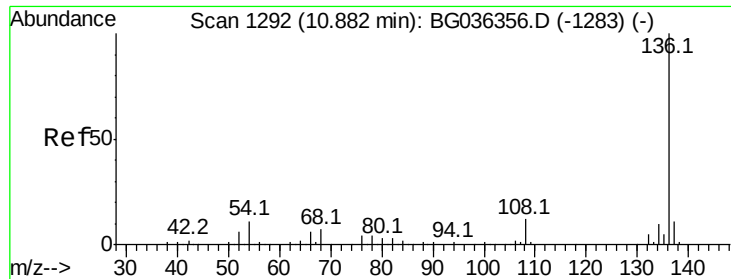
101 0.0 7.8 11.6#

130 2.5 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

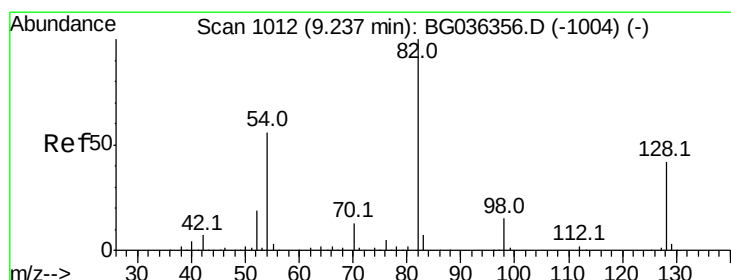
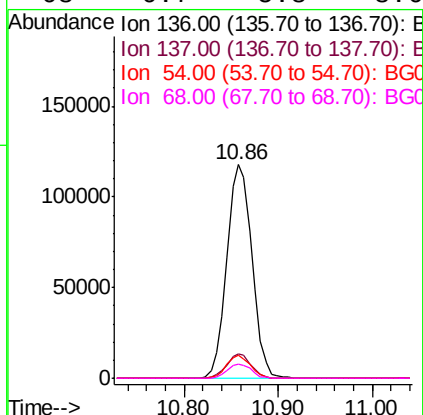
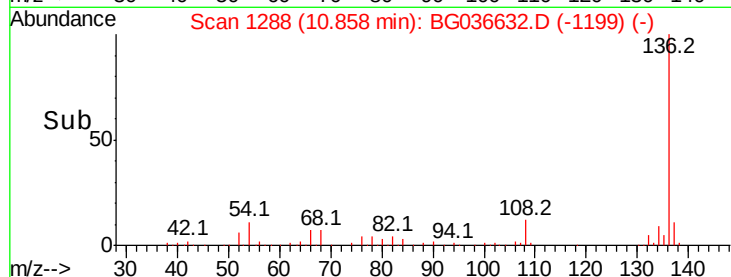
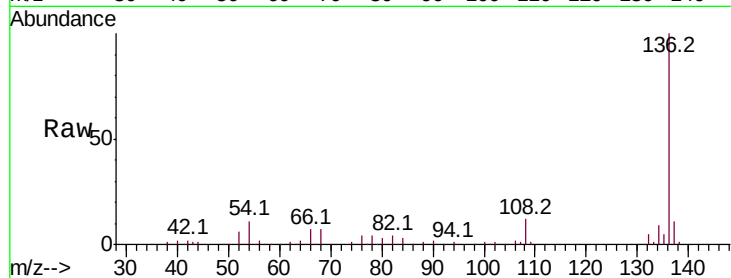




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036632.D
Acq: 10 Sep 2018 19:41

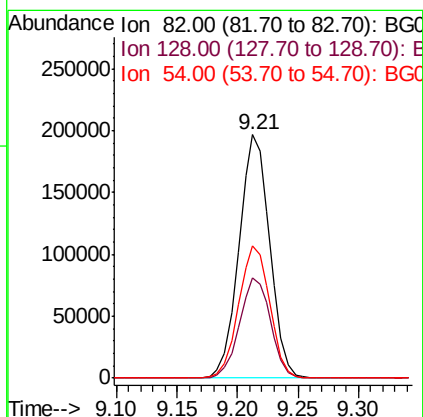
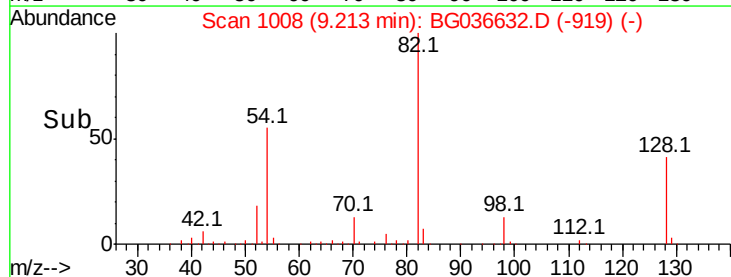
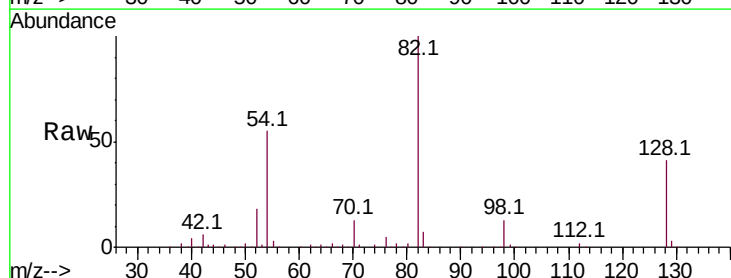
Instrument :
BNA_G
ClientSampleId :

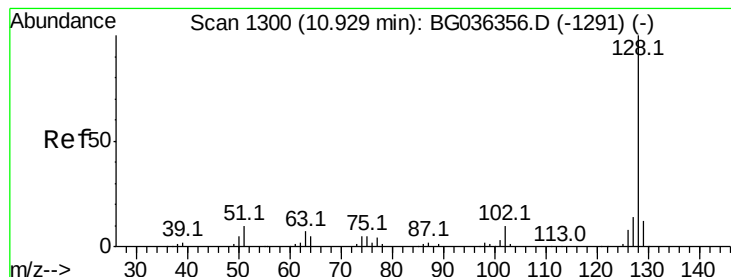
Tot Ion:	136	Resp:	218171
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	10.7	9.2	13.8
68	6.7	5.8	8.6



#23
Nitrobenzene-d5
Concen: 86.387 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036632.D
Acq: 10 Sep 2018 19:41

Tgt Ion:	82	Resp:	347370
Ion	Ratio	Lower	Upper
82	100		
128	41.0	33.3	49.9
54	54.5	45.1	67.7





#31

Naphthalene

Concen: 3.294 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BG036632.D

Acq: 10 Sep 2018 19:41

Instrument :

BNA_G

ClientSampleId :

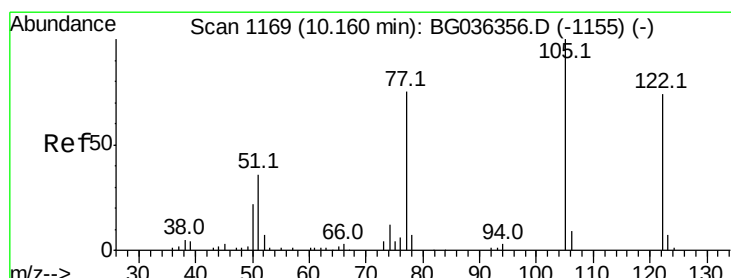
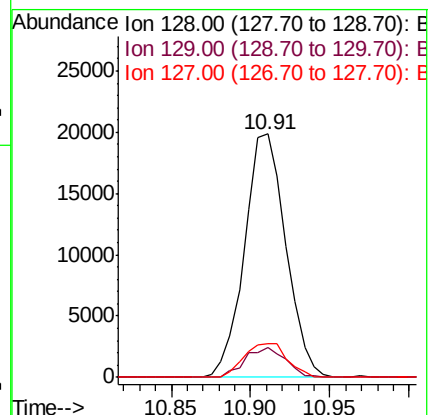
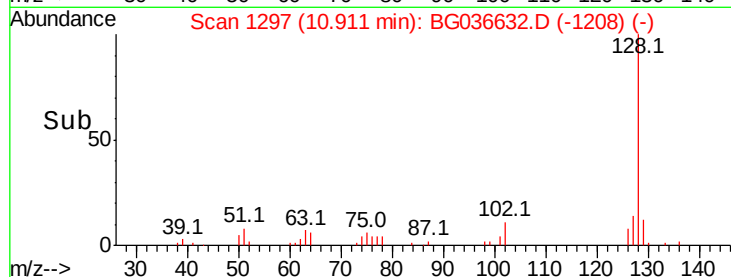
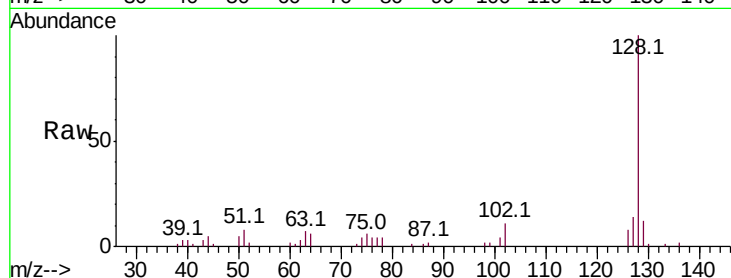
Tot Ion:128 Resp: 35921

Ion Ratio Lower Upper

128 100

129 12.0 9.4 14.2

127 14.0 11.0 16.4



#32

Benzoic acid

Concen: 4.508 ng

RT: 10.35 min Scan# 1201

Delta R.T. 0.19 min

Lab File: BG036632.D

Acq: 10 Sep 2018 19:41

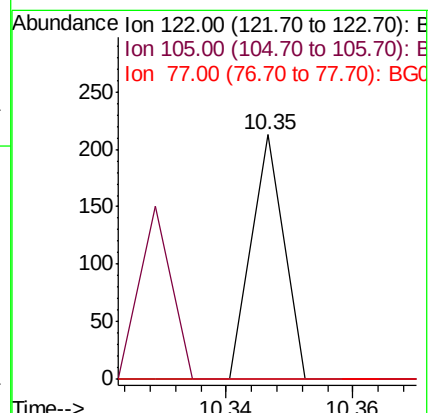
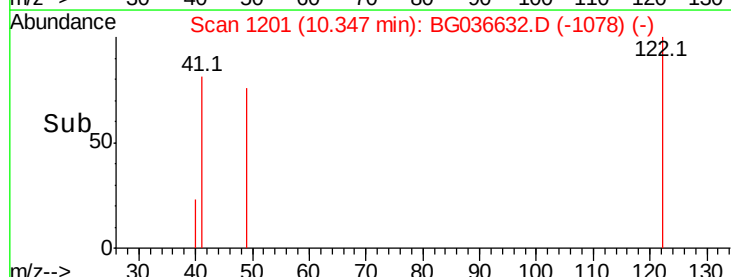
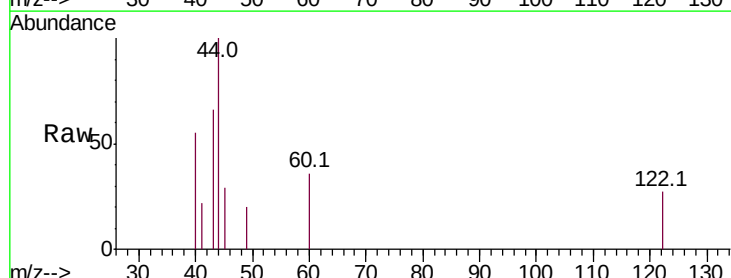
Tgt Ion:122 Resp: 75

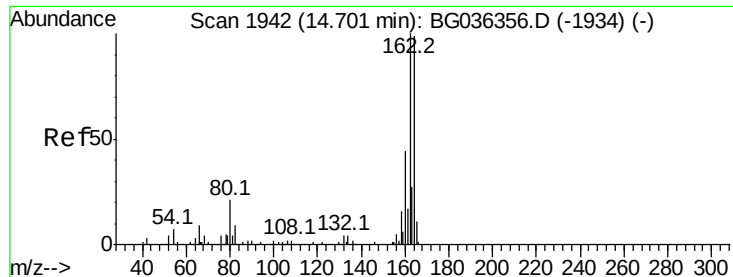
Ion Ratio Lower Upper

122 100

105 0.0 108.1 148.1#

77 0.0 76.3 116.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036632.D

Acq: 10 Sep 2018 19:41

Instrument :

BNA_G

ClientSampleId :

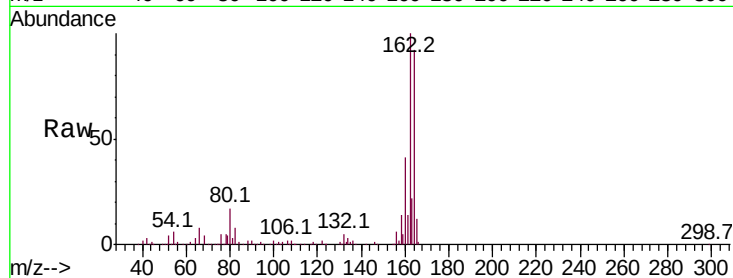
Tot Ion:164 Resp: 148082

Ion Ratio Lower Upper

164 100

162 108.8 80.7 121.1

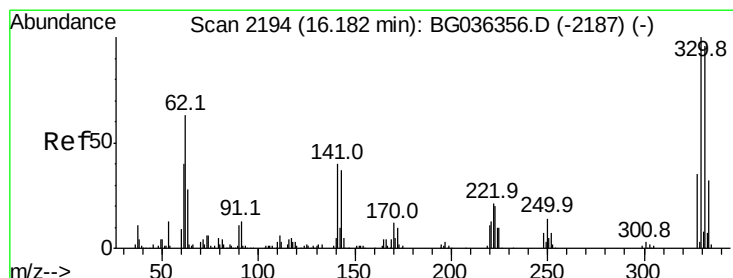
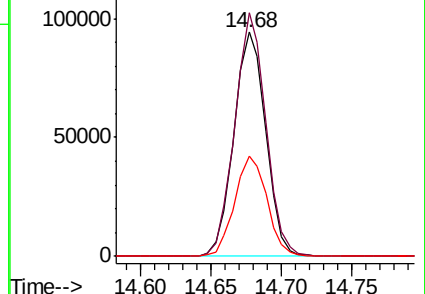
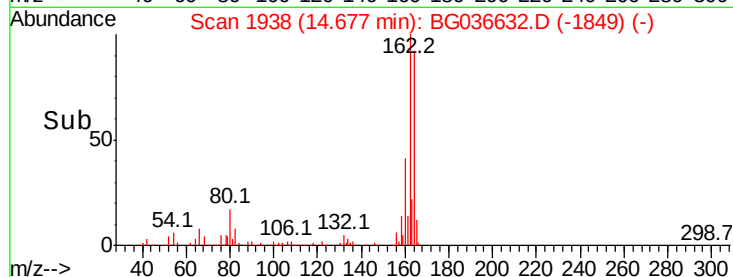
160 44.8 35.3 52.9



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: 116.930 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036632.D

Acq: 10 Sep 2018 19:41

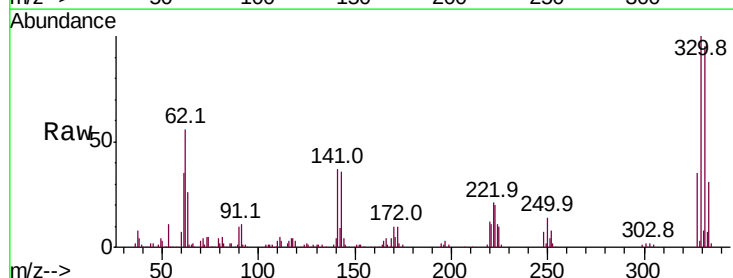
Tgt Ion:330 Resp: 206610

Ion Ratio Lower Upper

330 100

332 95.6 75.4 113.2

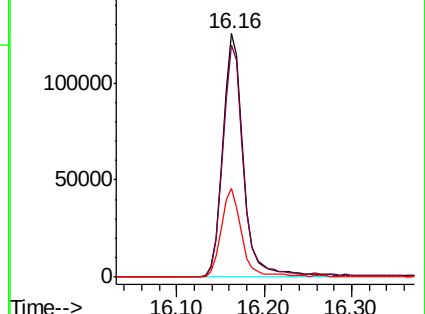
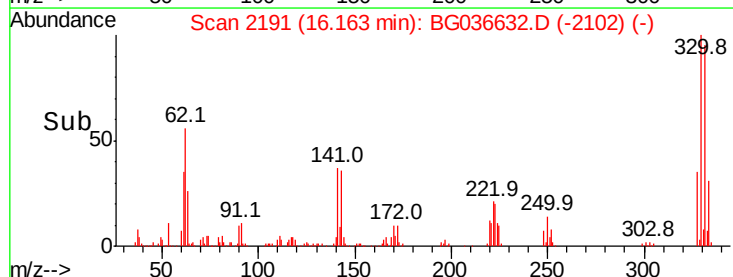
141 36.3 30.7 46.1

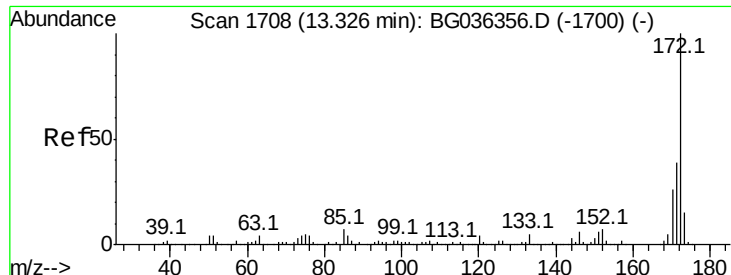


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 79.449 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.01 min

Lab File: BG036632.D

Acq: 10 Sep 2018 19:41

Instrument :

BNA_G

ClientSampleId :

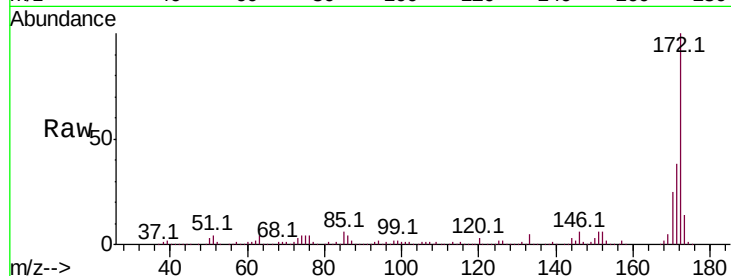
Tot Ion:172 Resp: 823981

Ion Ratio Lower Upper

172 100

171 38.3 31.3 46.9

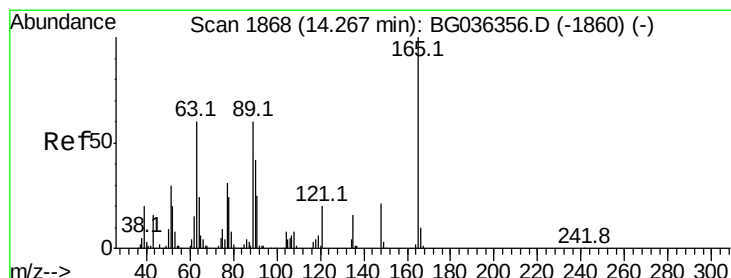
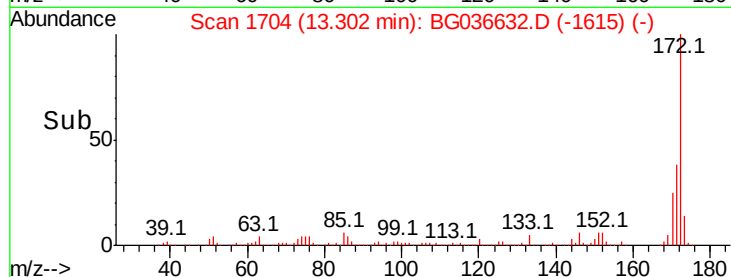
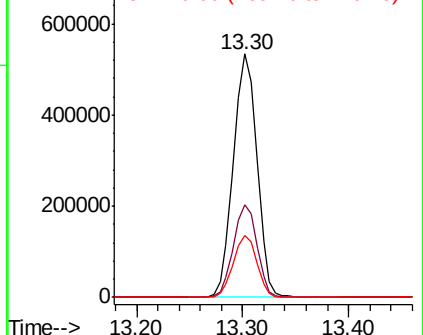
170 25.4 21.0 31.6



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: 7.710 ng

RT: 14.68 min Scan# 1938

Delta R.T. 0.42 min

Lab File: BG036632.D

Acq: 10 Sep 2018 19:41

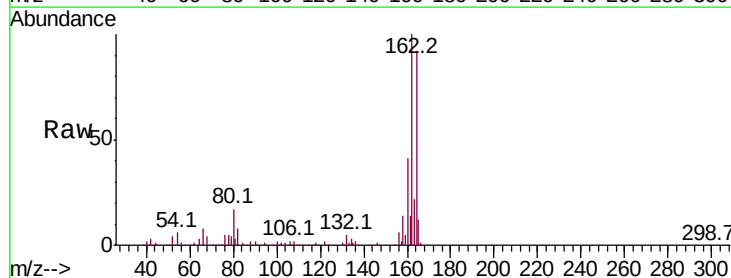
Tgt Ion:165 Resp: 19184

Ion Ratio Lower Upper

165 100

63 0.0 50.1 75.1#

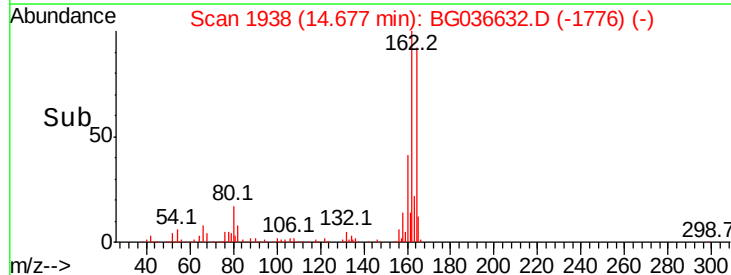
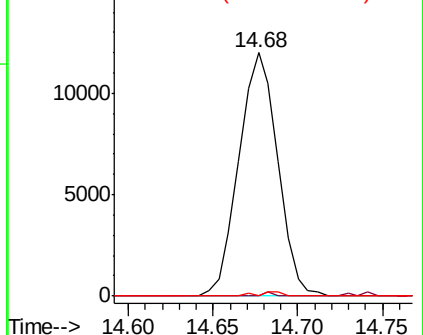
89 0.0 47.8 71.6#

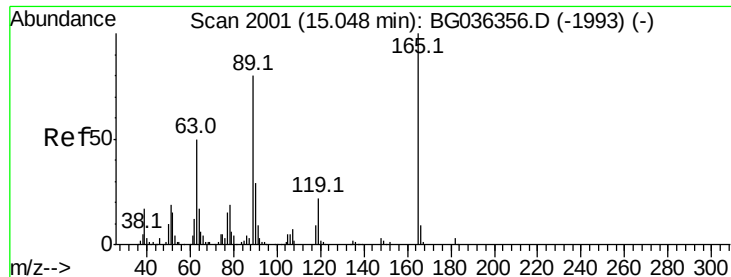


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

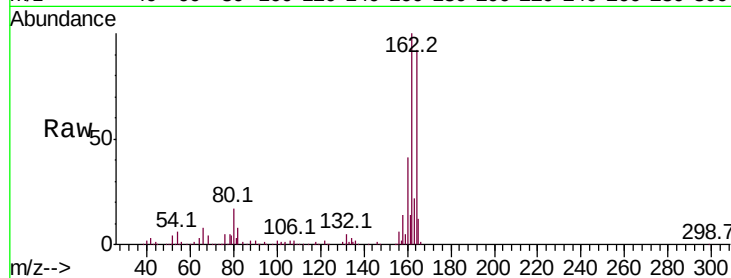




#56
 2,4-Dinitrotoluene
 Concen: 5.916 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036632.D
 Acq: 10 Sep 2018 19:41

Instrument :
 BNA_G
 ClientSampleId :

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

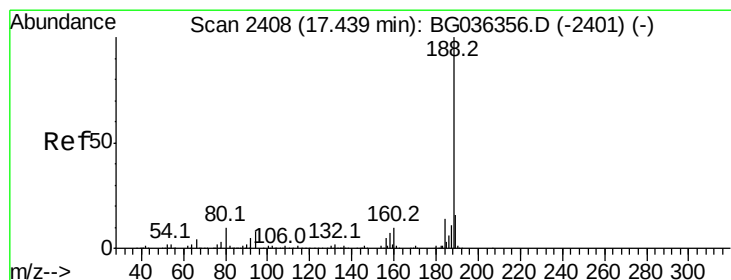
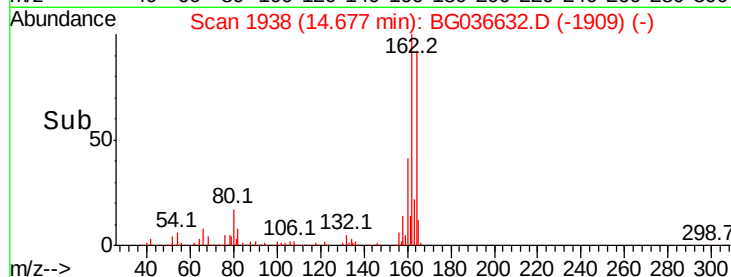
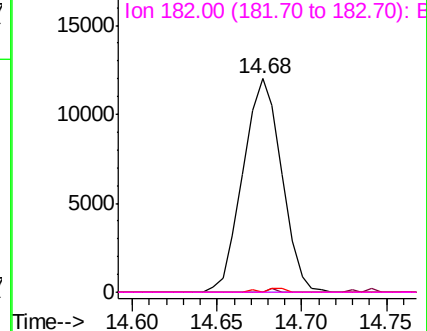


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

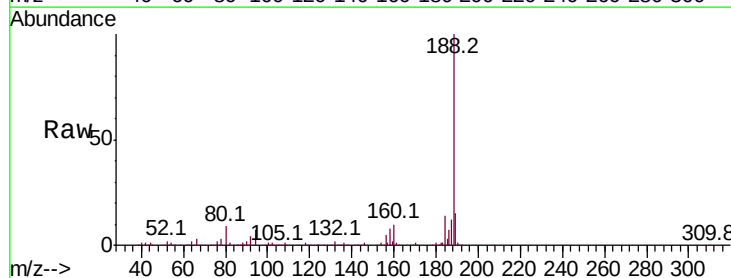
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036632.D
 Acq: 10 Sep 2018 19:41

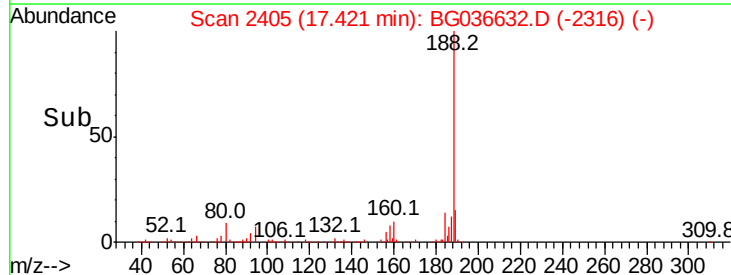
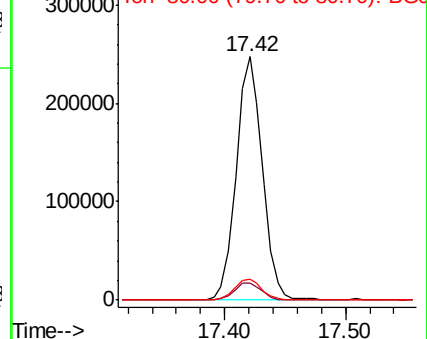
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.7	10.1
80	8.6	8.1	12.1

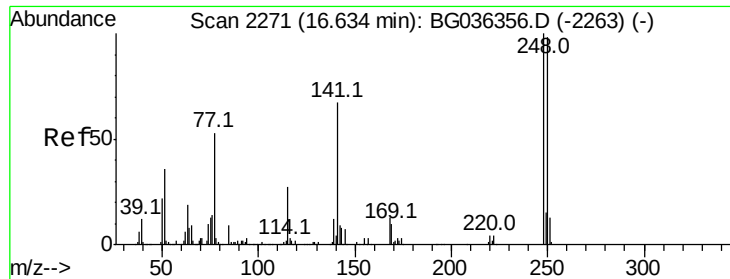


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

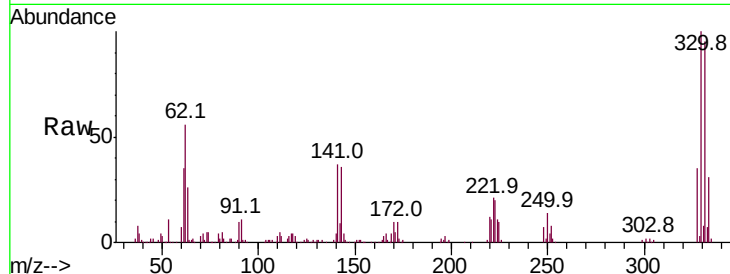




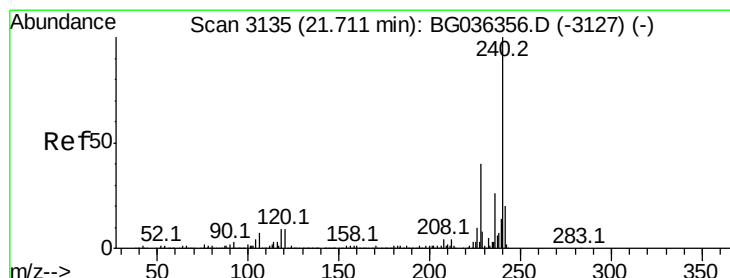
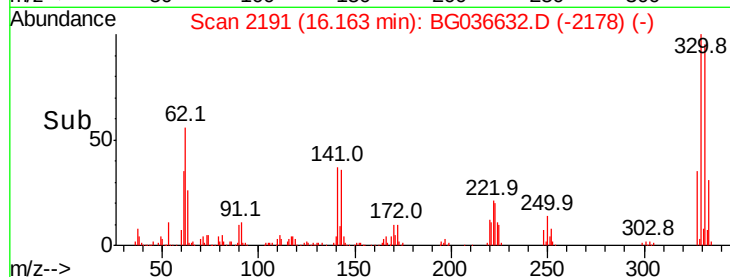
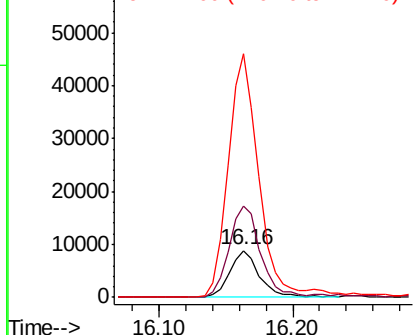
#66
4-Bromophenyl-phenylether
Concen: 3.178 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036632.D
Acq: 10 Sep 2018 19:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13866
Ion Ratio Lower Upper
248 100
250 194.1 78.1 117.1#
141 516.9 53.7 80.5#

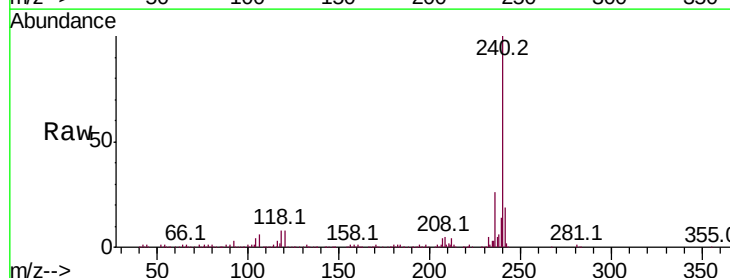


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

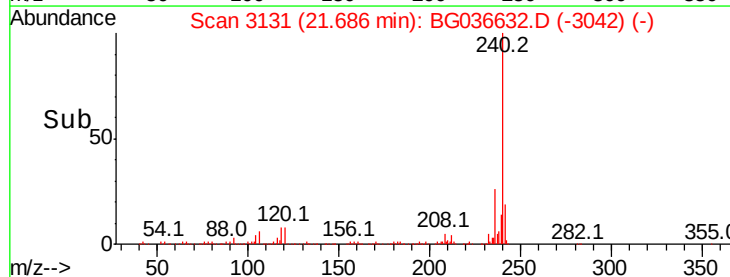
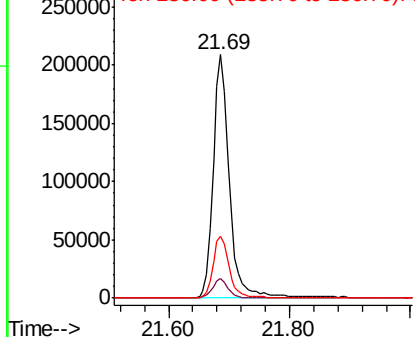


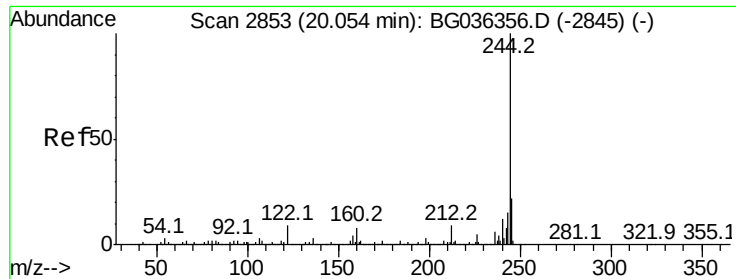
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036632.D
Acq: 10 Sep 2018 19:41

Tgt Ion:240 Resp: 388081
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



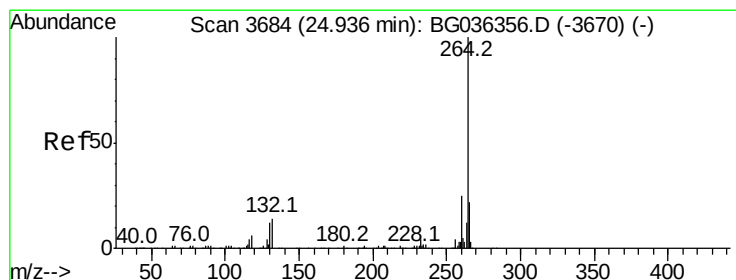
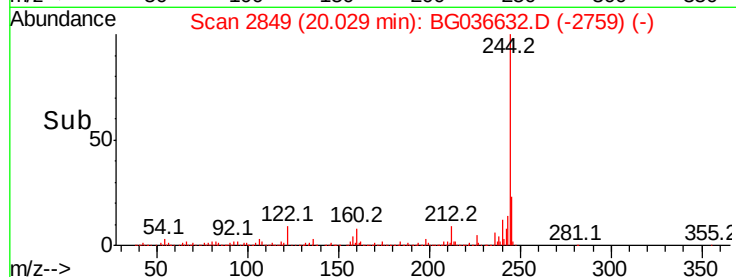
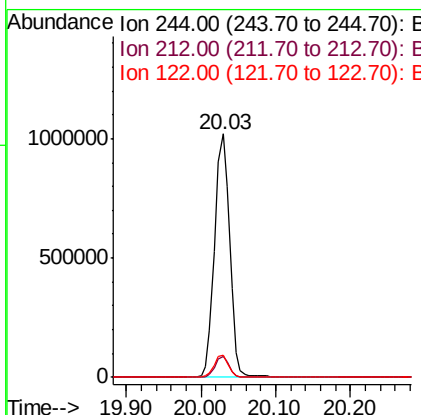
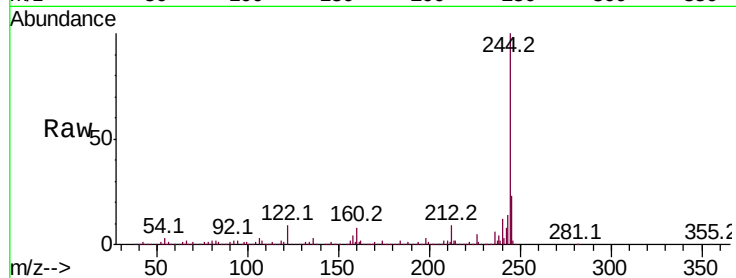


#78
 Terphenyl-d14
 Concen: 86.558 ng
 RT: 20.03 min Scan# 2849
 Delta R.T. -0.00 min
 Lab File: BG036632.D
 Acq: 10 Sep 2018 19:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1437169

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	8.9	7.1	10.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3678
 Delta R.T. -0.00 min
 Lab File: BG036632.D
 Acq: 10 Sep 2018 19:41

Tgt Ion:264 Resp: 322315

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	23.0	17.4	26.0

