

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\
 Data File : BG036547.D
 Acq On : 5 Sep 2018 2:17
 Operator : JU/SJ
 Sample : J4523-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 05 06:45:58 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

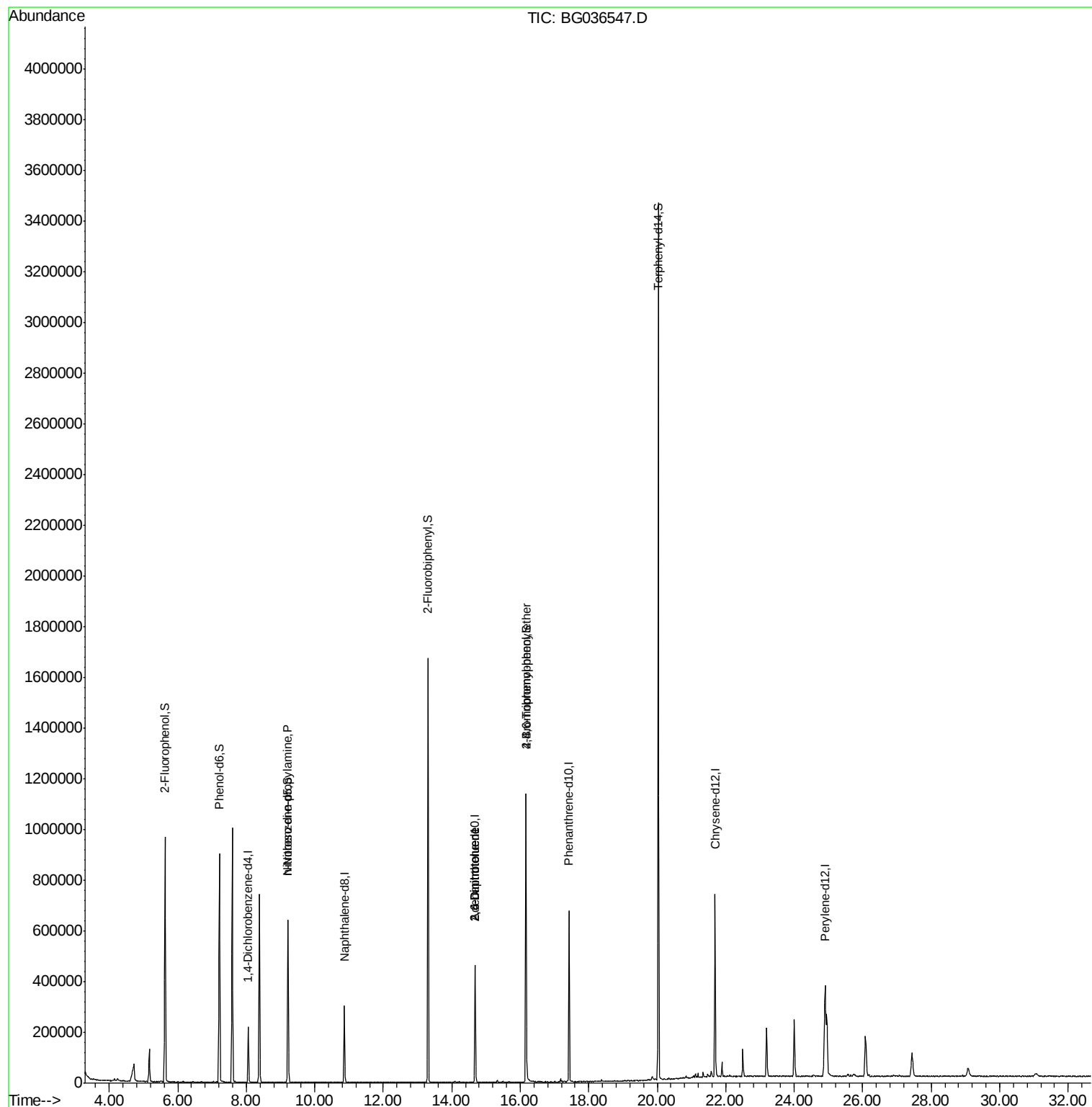
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	60486	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	255485	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	161015	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	420901	20.00	ng	0.00
75) Chrysene-d12	21.69	240	448075	20.00	ng	0.00
86) Perylene-d12	24.90	264	427066	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	404214	106.01	ng	0.00
7) Phenol-d6	7.21	99	515141	94.36	ng	0.00
23) Nitrobenzene-d5	9.22	82	388203	82.44	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	215554	112.19	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	866737	76.86	ng	0.00
78) Terphenyl-d14	20.03	244	1537221	80.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	52323	12.824	ng	# 73
50) 2,6-Dinitrotoluene	14.68	165	20467	7.565	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	20467	5.805	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	14821	3.008	ng	# 1

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

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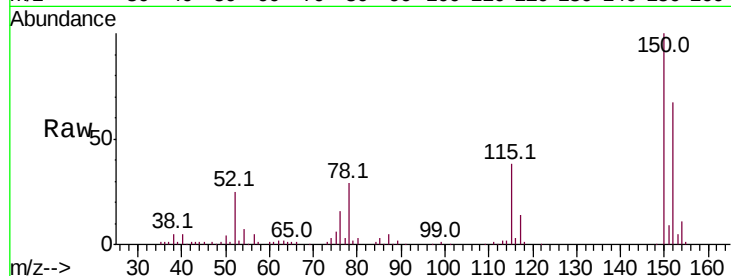


#1

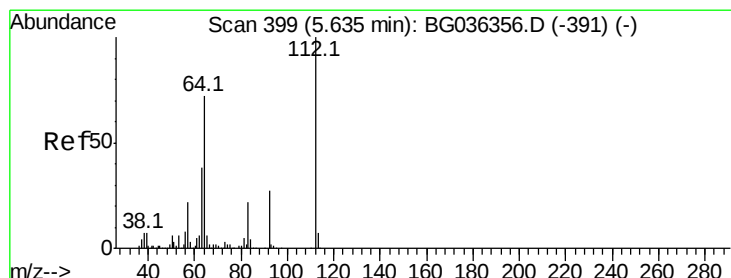
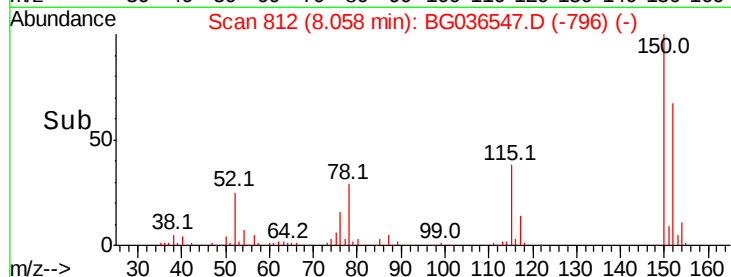
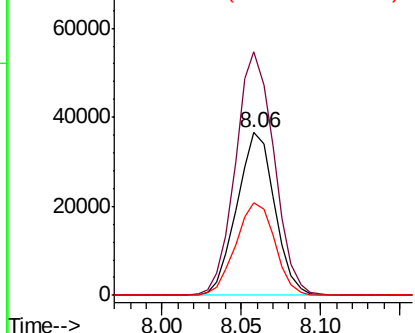
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.01 min
Lab File: BG036547.D
Acq: 5 Sep 2018 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	119.5	179.3
115	56.7	44.5	66.7



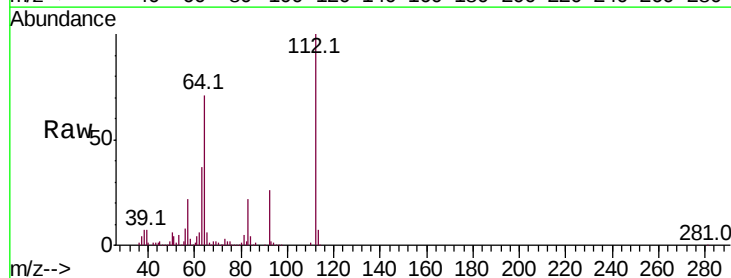
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



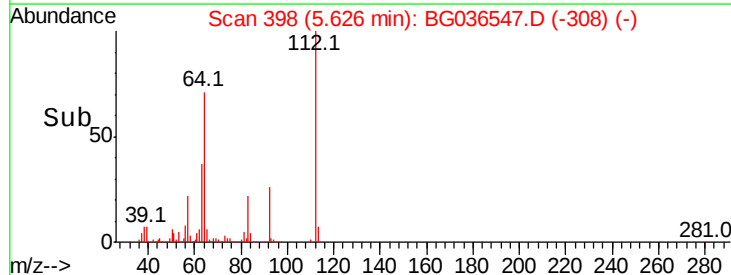
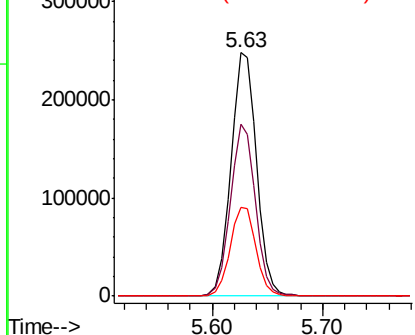
#5

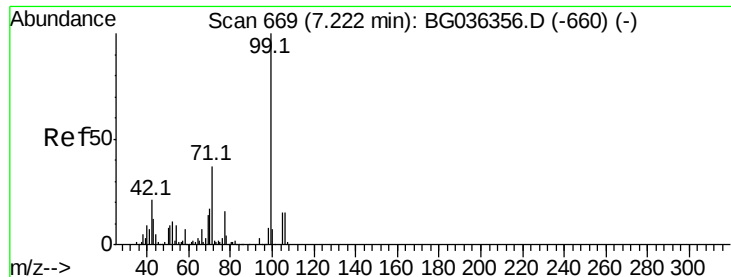
2-Fluorophenol
Concen: 106.008 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036547.D
Acq: 5 Sep 2018 2:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	57.2	85.8
63	36.6	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: 94.360 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036547.D

Acq: 5 Sep 2018 2:17

Instrument :

BNA_G

ClientSampleId :

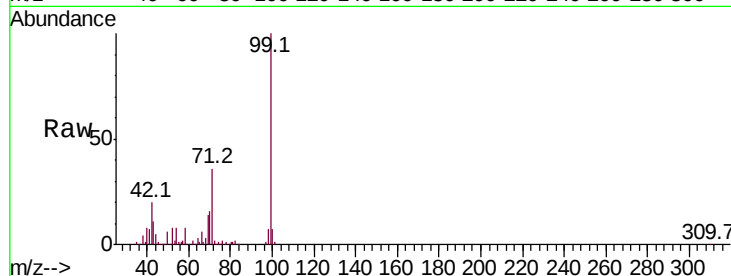
Tot Ion: 99 Resp: 515141

Ion Ratio Lower Upper

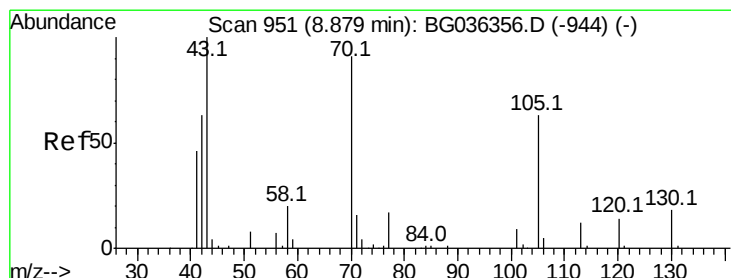
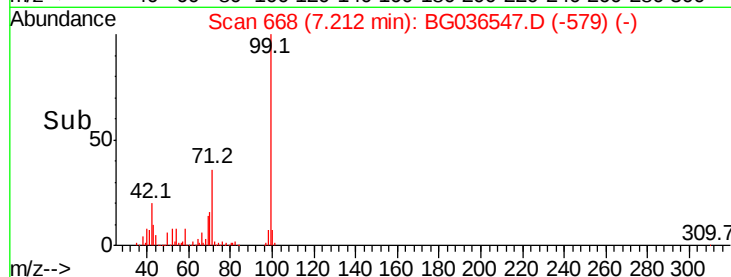
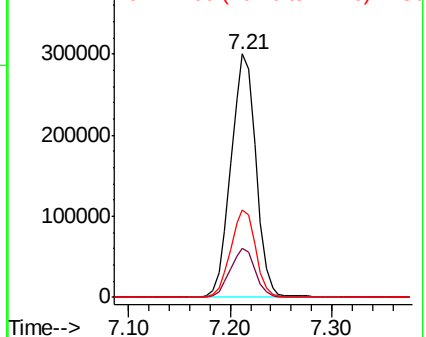
99 100

42 20.1 16.5 24.7

71 35.9 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: 12.824 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG036547.D

Acq: 5 Sep 2018 2:17

Tgt Ion: 70 Resp: 52323

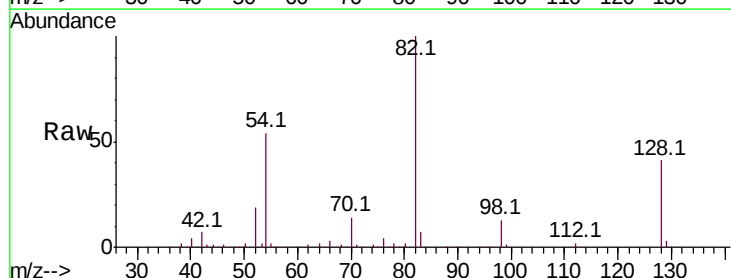
Ion Ratio Lower Upper

70 100

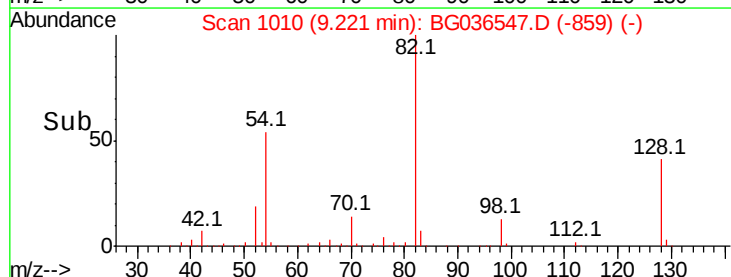
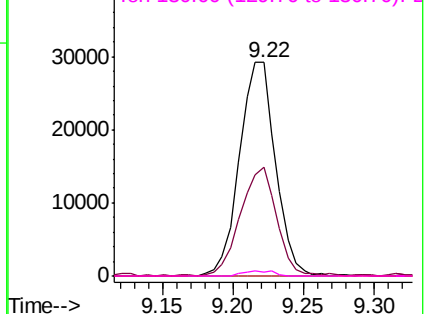
42 51.1 56.2 84.4#

101 0.0 7.8 11.6#

130 2.0 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

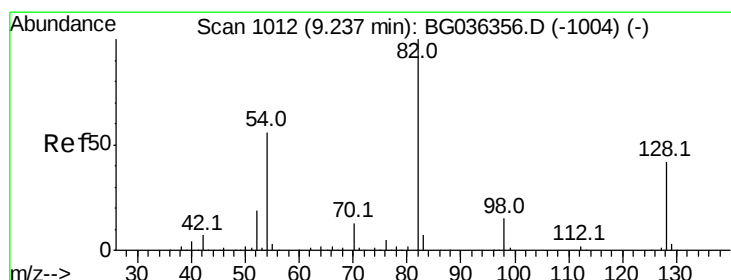
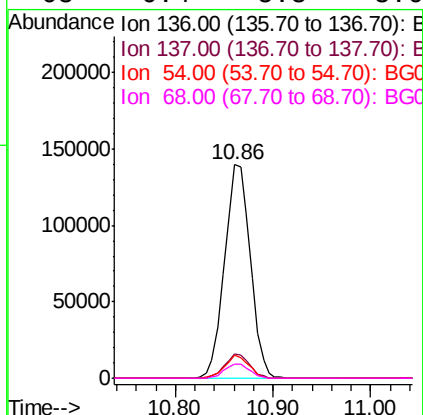
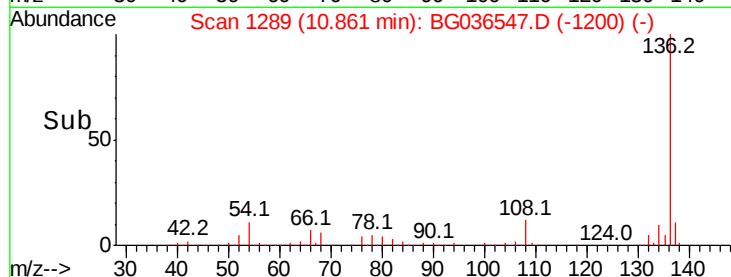
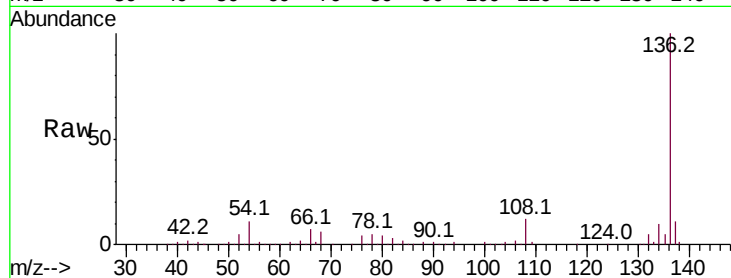




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG036547.D
Acq: 5 Sep 2018 2:17

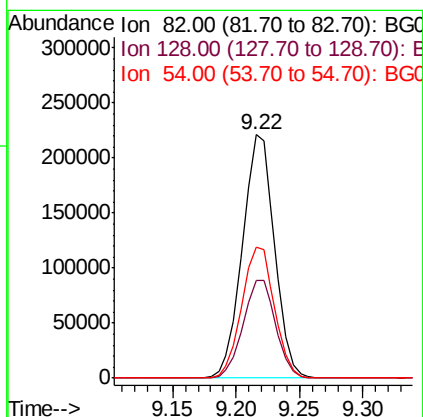
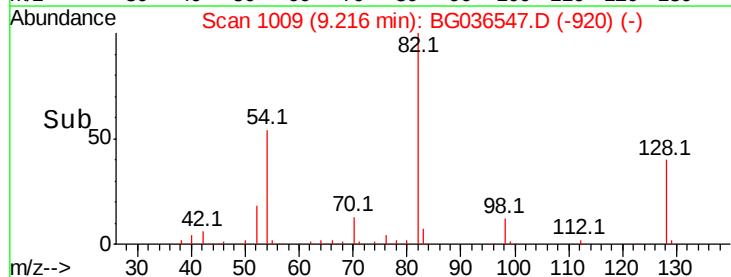
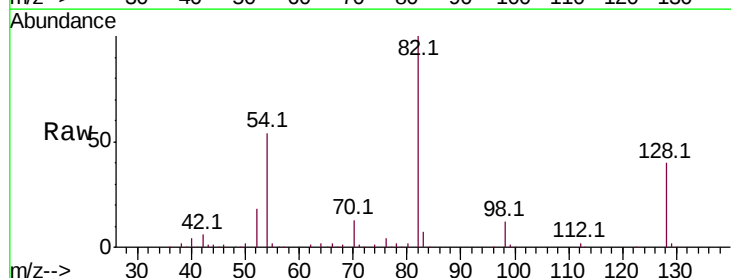
Instrument :
BNA_G
ClientSampleId :

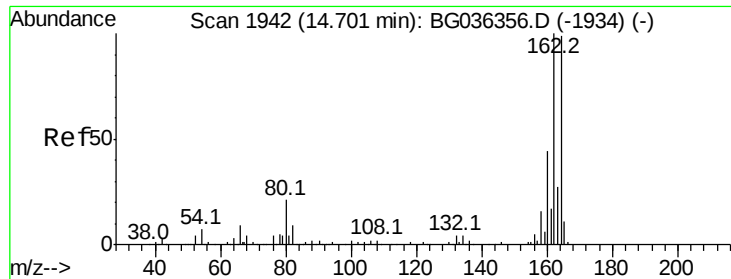
Tot Ion:	136	Resp:	255485
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	10.8	9.2	13.8
68	6.4	5.8	8.6



#23
Nitrobenzene-d5
Concen: 82.442 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG036547.D
Acq: 5 Sep 2018 2:17

Tgt Ion:	82	Resp:	388203
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	53.9	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BG036547.D

Acq: 5 Sep 2018 2:17

Instrument :

BNA_G

ClientSampleId :

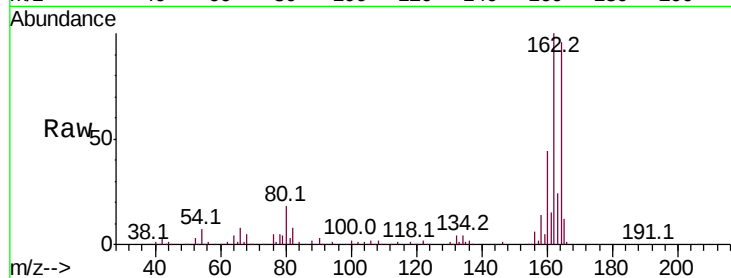
Tot Ion:164 Resp: 161015

Ion Ratio Lower Upper

164 100

162 103.8 80.7 121.1

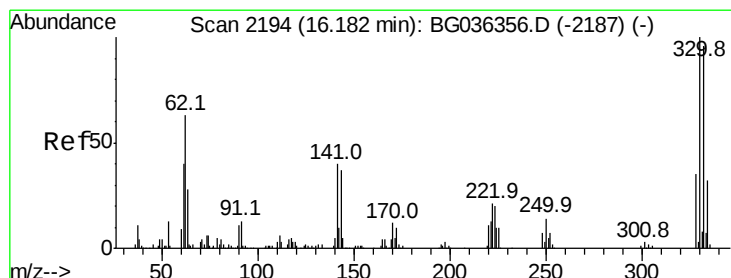
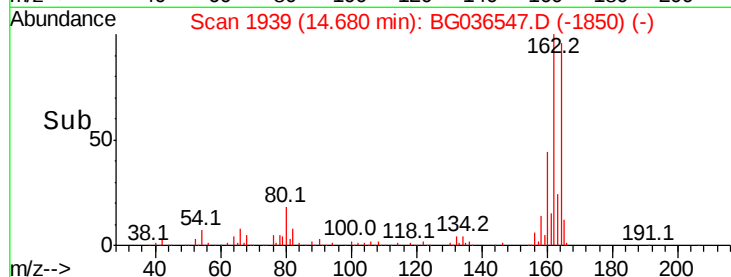
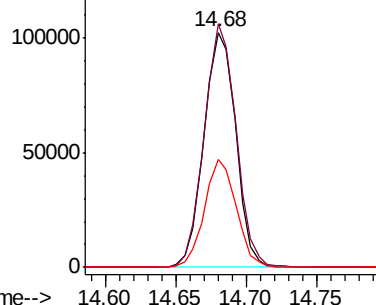
160 46.0 35.3 52.9



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: 112.194 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BG036547.D

Acq: 5 Sep 2018 2:17

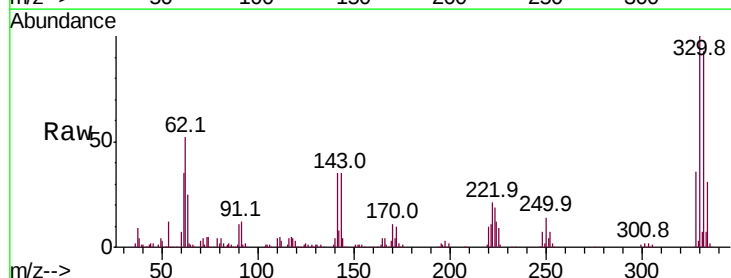
Tgt Ion:330 Resp: 215554

Ion Ratio Lower Upper

330 100

332 94.5 75.4 113.2

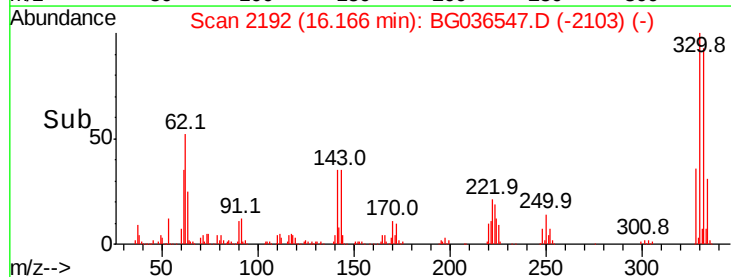
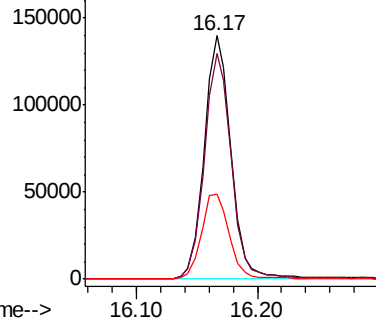
141 36.8 30.7 46.1

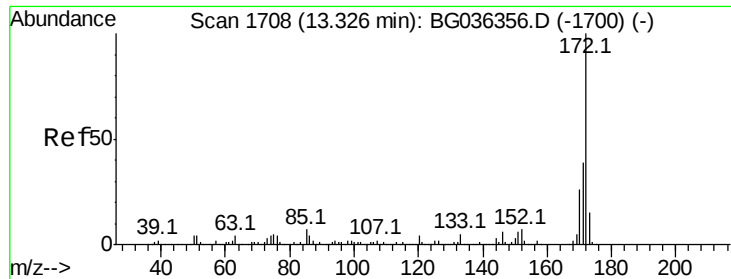


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

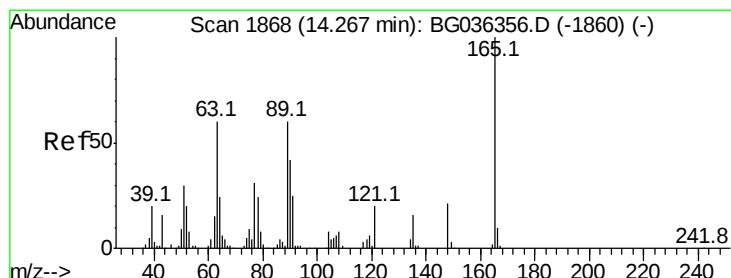
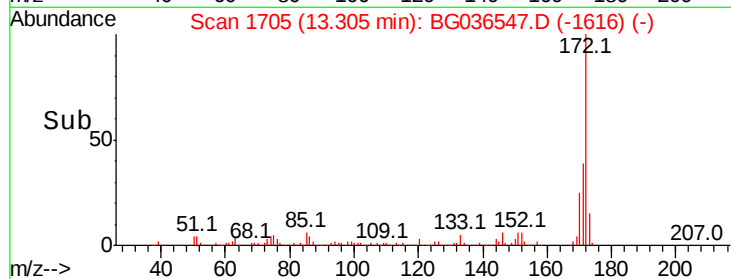
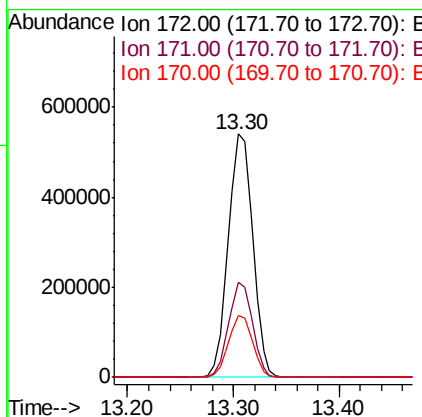
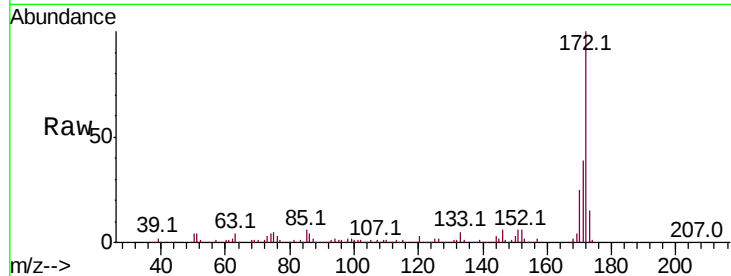




#44
 2-Fluorobiphenyl
 Concen: 76.859 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.01 min
 Lab File: BG036547.D
 Acq: 5 Sep 2018 2:17

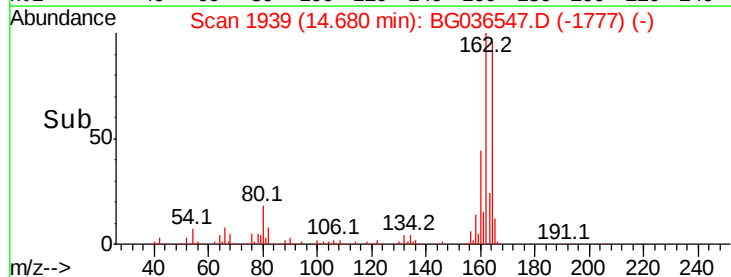
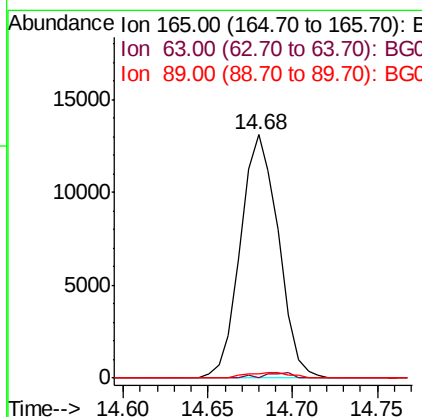
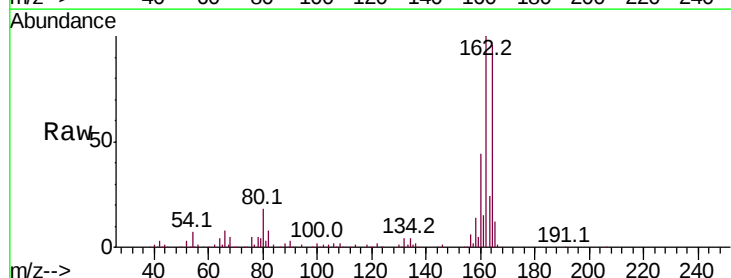
Instrument :
 BNA_G
 ClientSampleId :

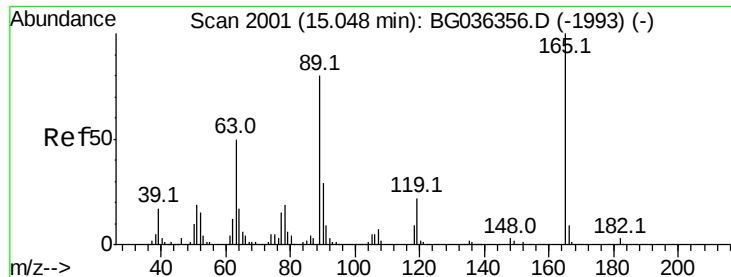
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.3	46.9
170	25.3	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.565 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.42 min
 Lab File: BG036547.D
 Acq: 5 Sep 2018 2:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.0	47.8	71.6#

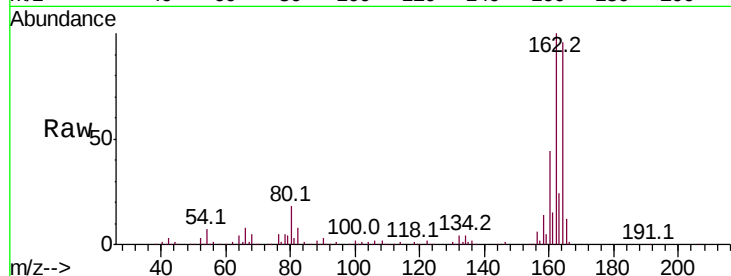




#56
2,4-Dinitrotoluene
Concen: 5.805 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG036547.D
Acq: 5 Sep 2018 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.0	63.7	95.5#
182	0.0	2.5	3.7#



Abundance Ion 165.00 (164.70 to 165.70): E

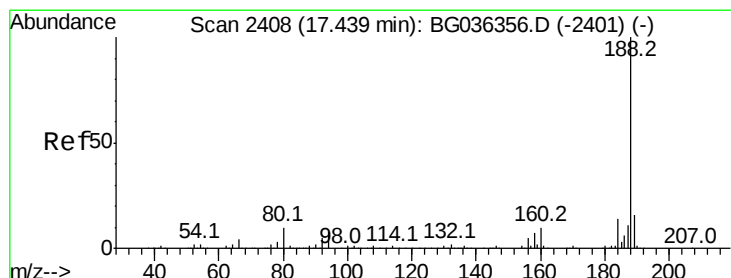
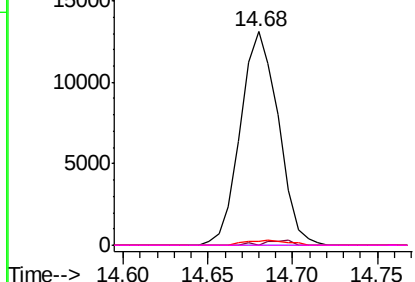
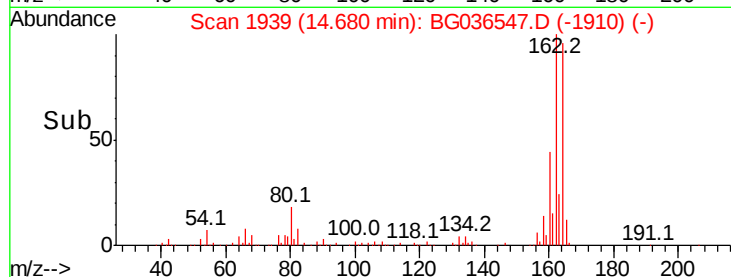
20000 Ion 63.00 (62.70 to 63.70): BGC

15000 Ion 89.00 (88.70 to 89.70): BGC

10000 Ion 182.00 (181.70 to 182.70): E

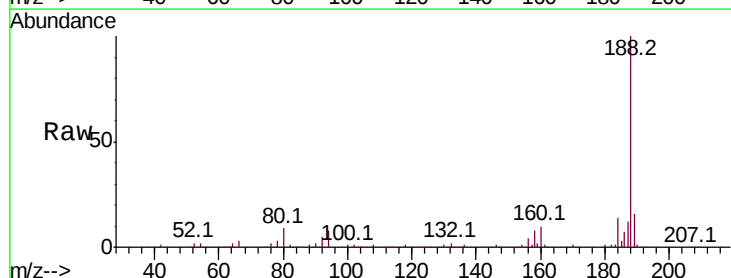
5000

0



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BG036547.D
Acq: 5 Sep 2018 2:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	9.2	8.1	12.1



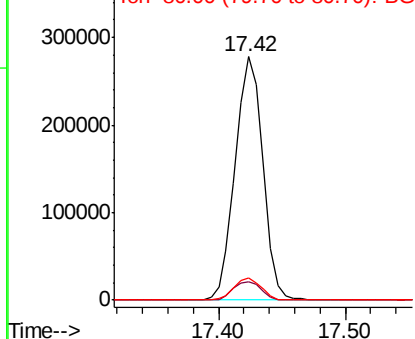
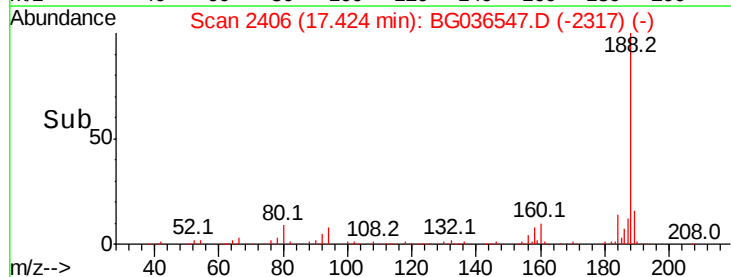
Abundance Ion 188.00 (187.70 to 188.70): E

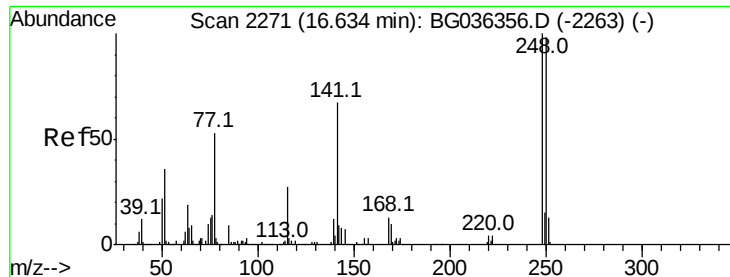
300000 Ion 94.00 (93.70 to 94.70): BGC

200000 Ion 80.00 (79.70 to 80.70): BGC

100000

0

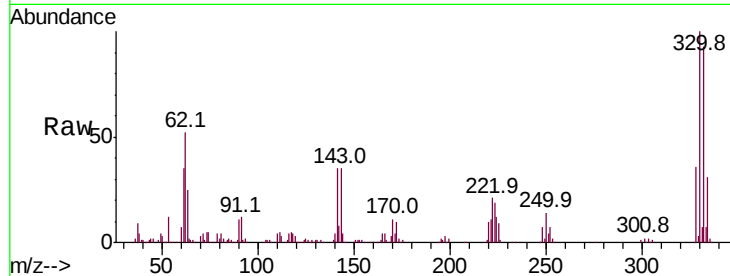




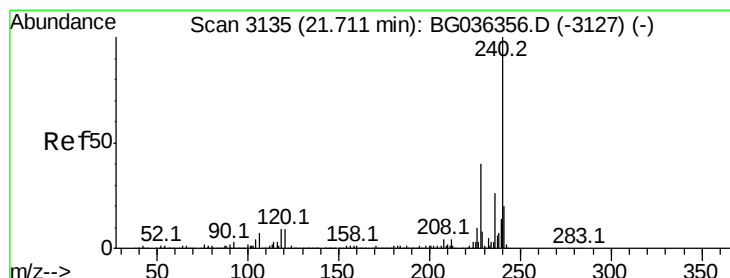
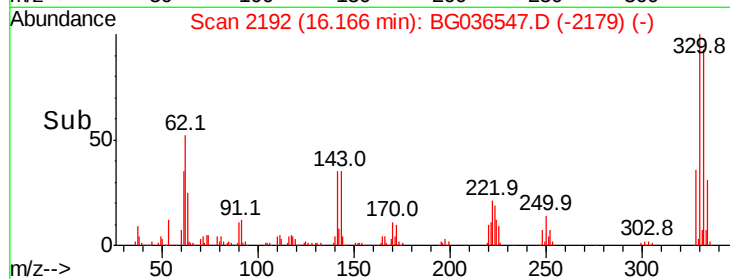
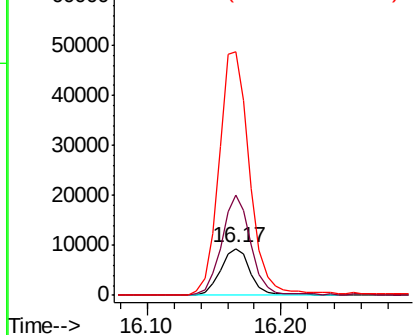
#66
 4-Bromophenyl-phenylether
 Concen: 3.008 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.45 min
 Lab File: BG036547.D
 Acq: 5 Sep 2018 2:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14821
 Ion Ratio Lower Upper
 248 100
 250 212.6 78.1 117.1#
 141 518.9 53.7 80.5#

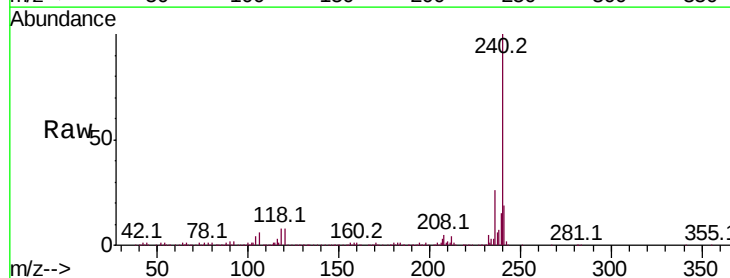


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

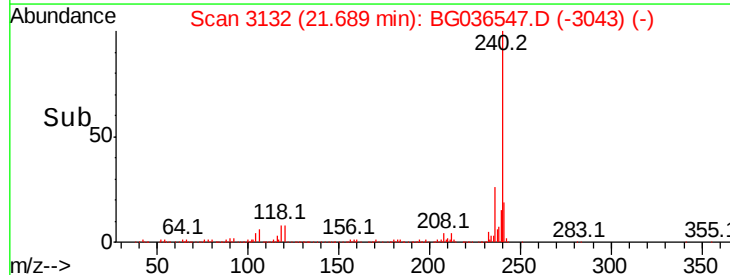
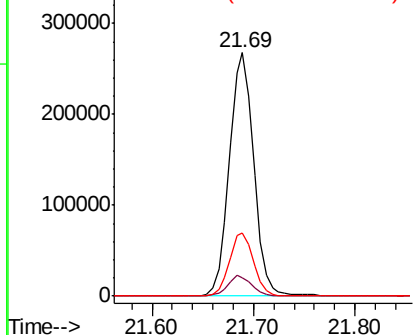


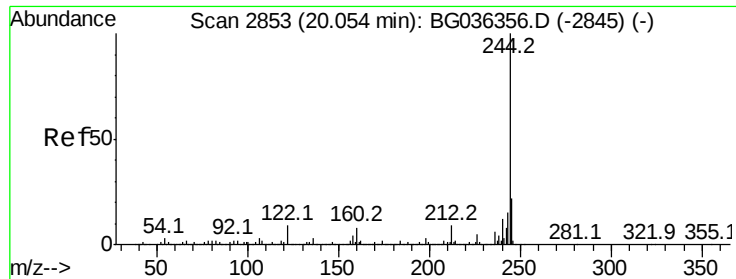
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3132
 Delta R.T. -0.01 min
 Lab File: BG036547.D
 Acq: 5 Sep 2018 2:17

Tgt Ion:240 Resp: 448075
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.9 10.3
 236 26.0 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

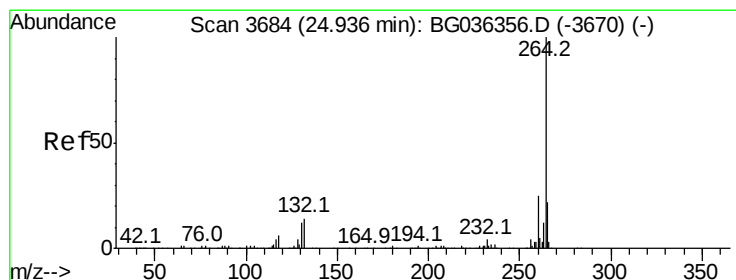
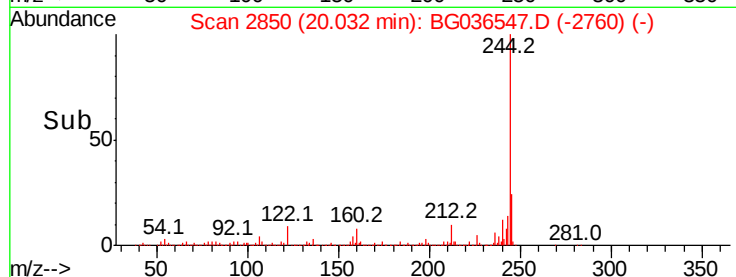
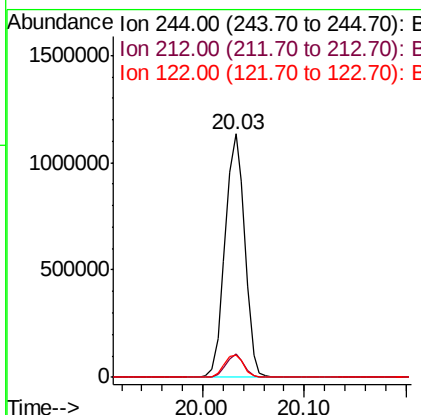
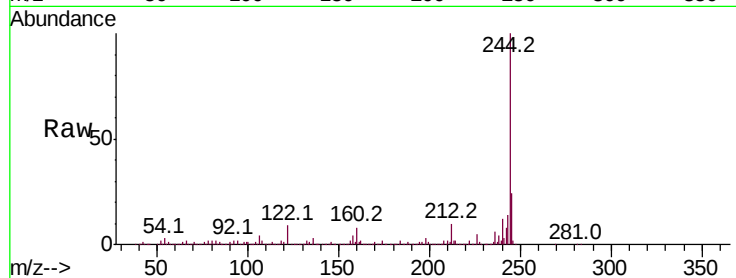




#78
 Terphenyl-d14
 Concen: 80.188 ng
 RT: 20.03 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: BG036547.D
 Acq: 5 Sep 2018 2:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1537221
 Ion Ratio Lower Upper
 244 100
 212 9.5 7.0 10.6
 122 9.2 7.1 10.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3678
 Delta R.T. -0.01 min
 Lab File: BG036547.D
 Acq: 5 Sep 2018 2:17

Tgt Ion:264 Resp: 427066
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.6 29.4
 265 20.5 17.4 26.0

