

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\
 Data File : BG036545.D
 Acq On : 5 Sep 2018 00:59
 Operator : JU/SJ
 Sample : J4764-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 05 02:30:25 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

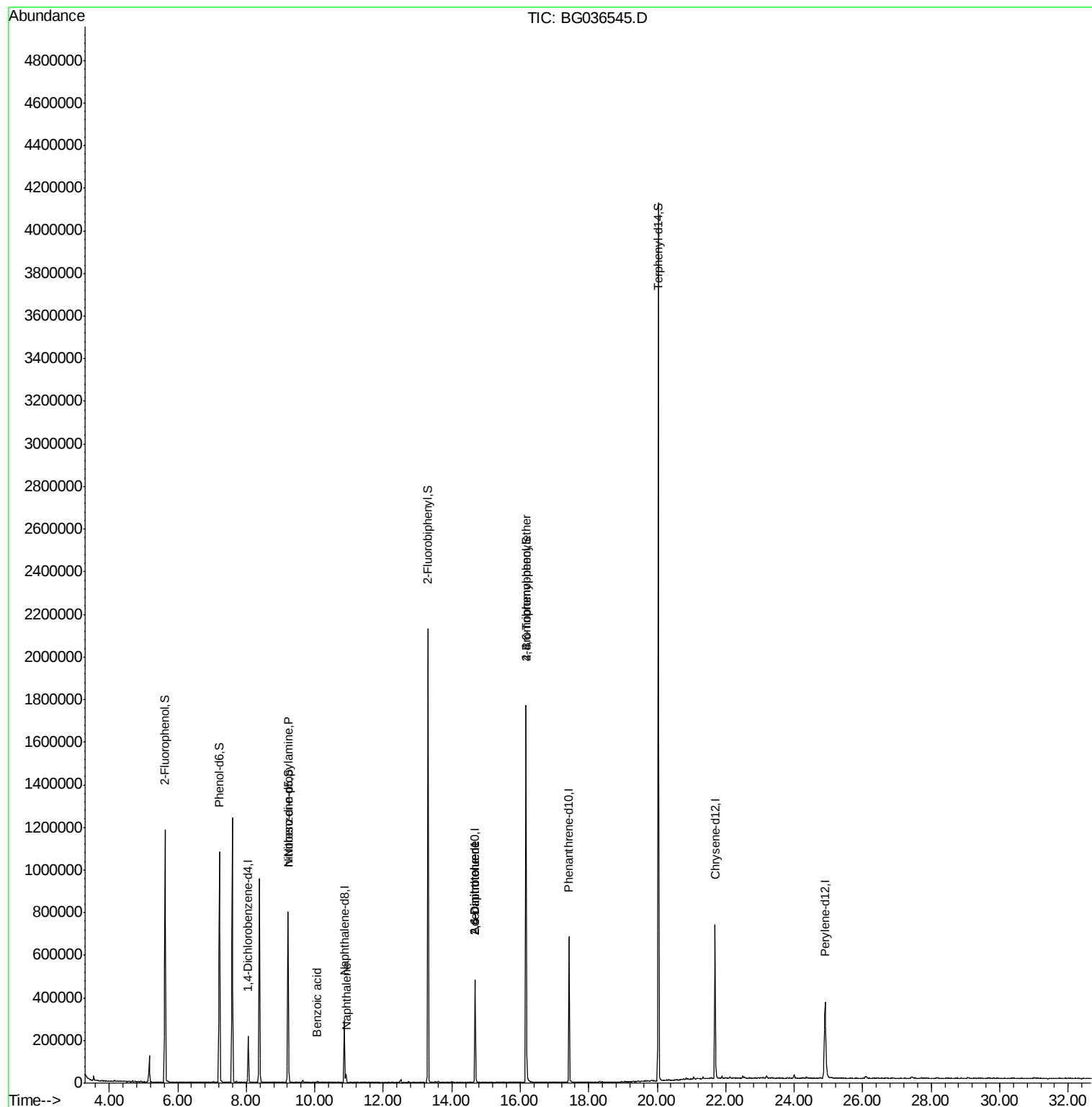
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	61612	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	247862	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	162729	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	423348	20.00	ng	0.00
75) Chrysene-d12	21.69	240	462469	20.00	ng	0.00
86) Perylene-d12	24.90	264	437430	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	502720	129.43	ng	0.00
7) Phenol-d6	7.21	99	627255	112.80	ng	0.00
23) Nitrobenzene-d5	9.22	82	489552	107.16	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	327389	168.61	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1078258	94.61	ng	0.00
78) Terphenyl-d14	20.03	244	1915559	96.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	64425	15.502	ng	Qvalue # 71
31) Naphthalene	10.91	128	32857	2.652	ng	97
32) Benzoic acid	10.07	122	3065	5.516	ng	87
50) 2,6-Dinitrotoluene	14.68	165	21285	7.785	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	21285	5.973	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	23861	4.814	ng	# 1

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

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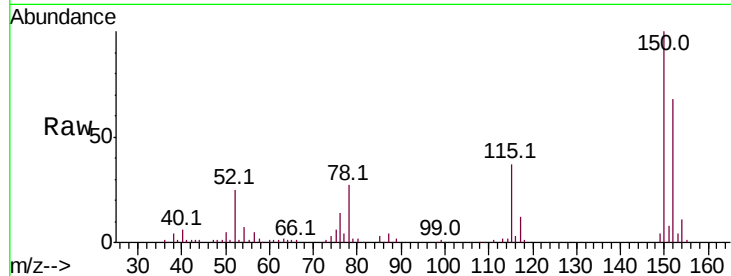


#1

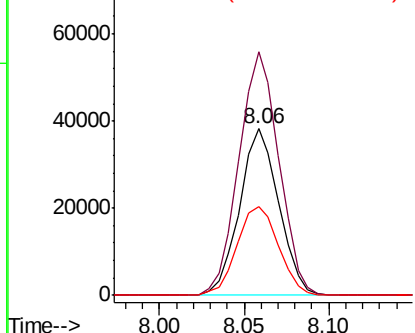
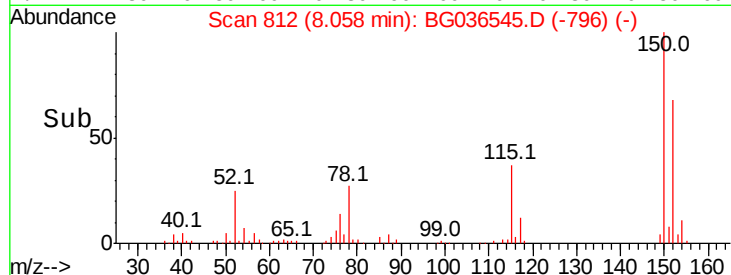
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.01 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.1	119.5	179.3
115	53.6	44.5	66.7



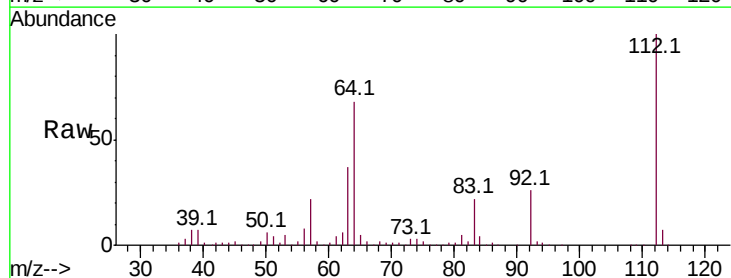
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



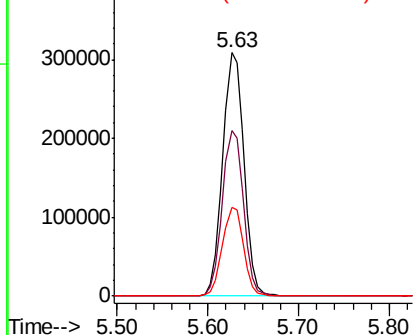
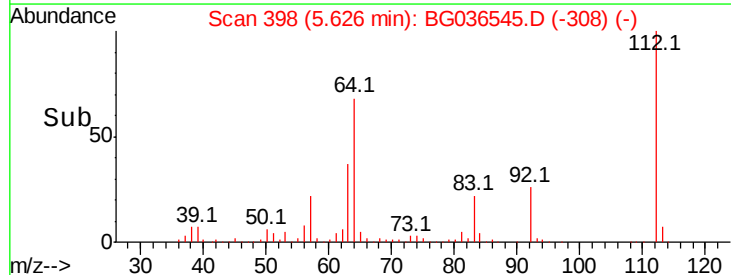
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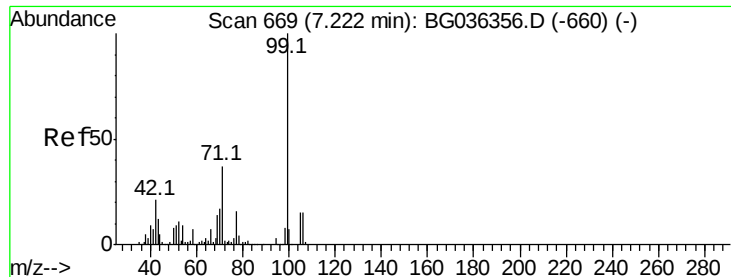
2-Fluorophenol
Concen: 129.433 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	57.2	85.8
63	36.5	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: 112.796 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

Instrument :

BNA_G

ClientSampled :

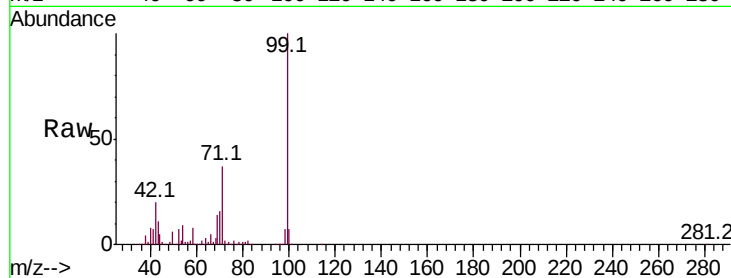
Tot Ion: 99 Resp: 627255

Ion Ratio Lower Upper

99 100

42 19.7 16.5 24.7

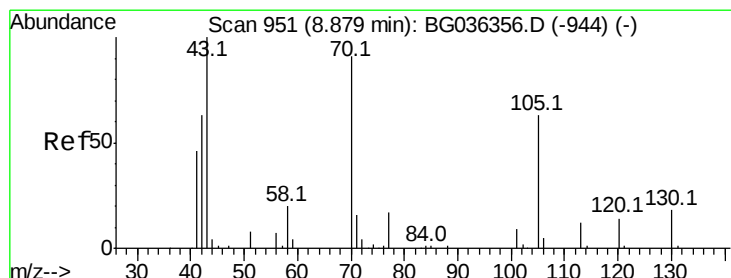
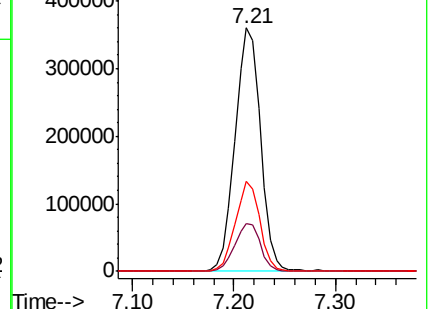
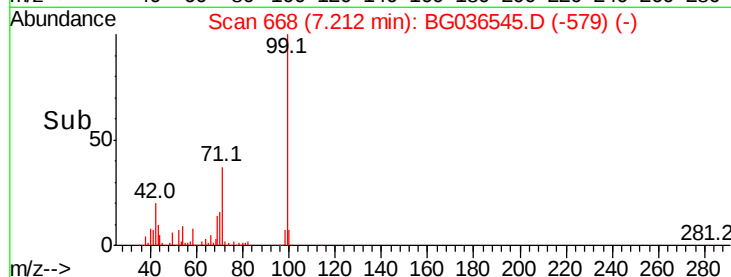
71 36.8 29.4 44.2



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: 15.502 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

Tgt Ion: 70 Resp: 64425

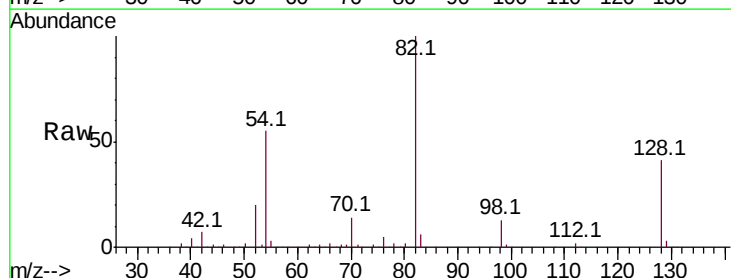
Ion Ratio Lower Upper

70 100

42 49.0 56.2 84.4#

101 0.0 7.8 11.6#

130 1.9 16.2 24.2#

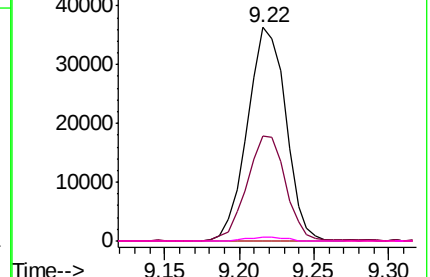
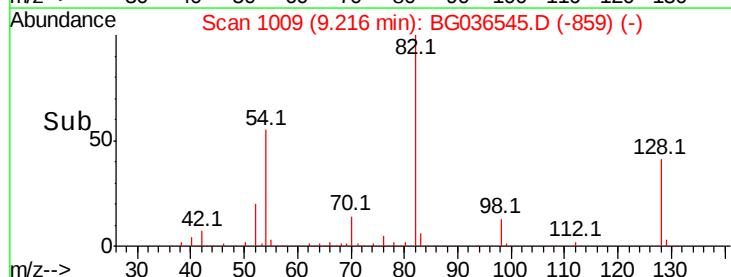


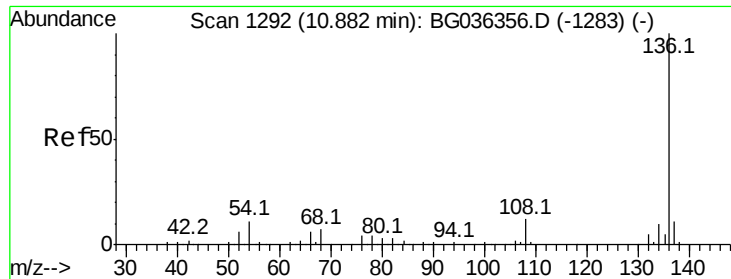
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

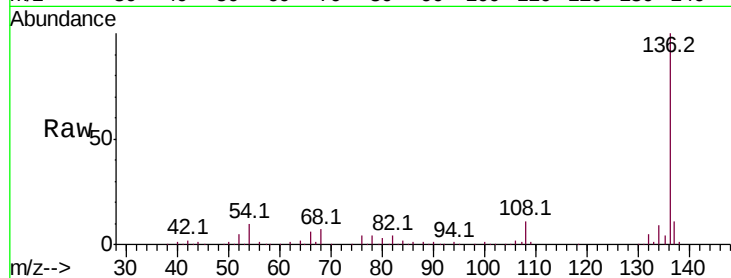




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	247862
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	10.4	9.2	13.8
68	6.6	5.8	8.6



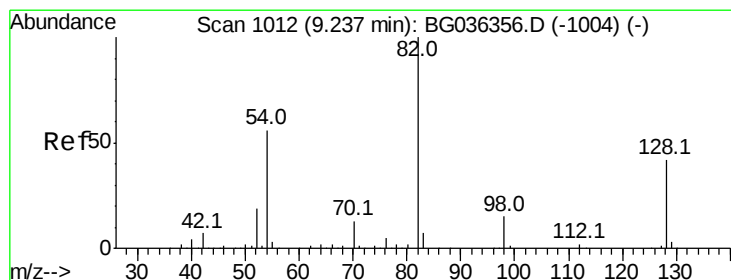
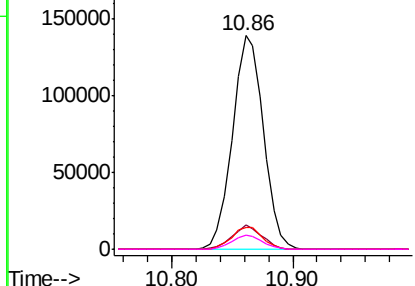
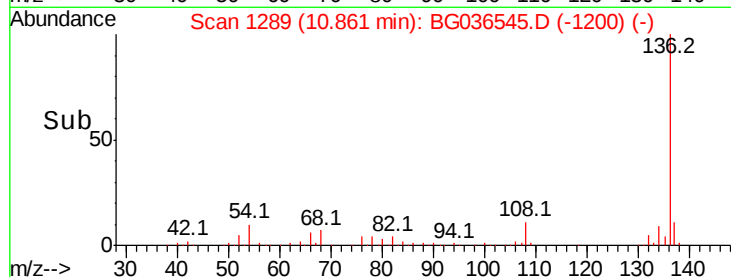
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

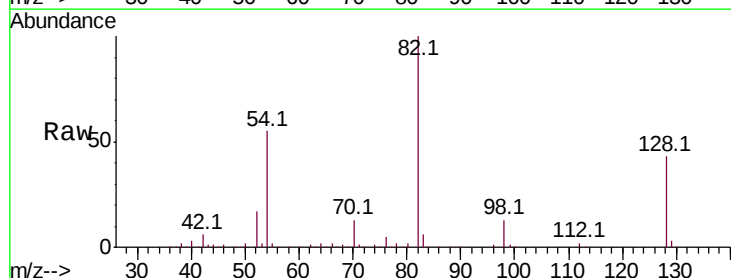
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 107.162 ng
RT: 9.22 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Tgt Ion:	82	Resp:	489552
Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.3	49.9
54	54.8	45.1	67.7

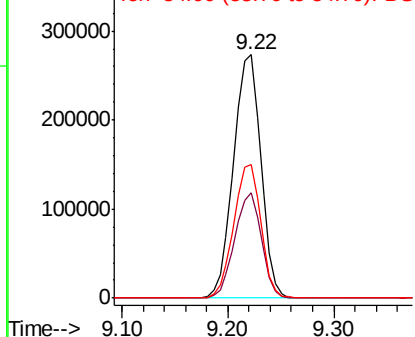
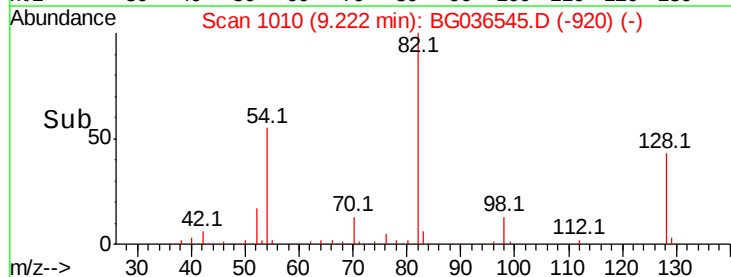


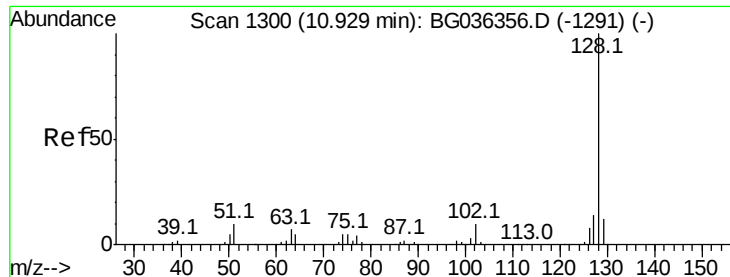
Abundance

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

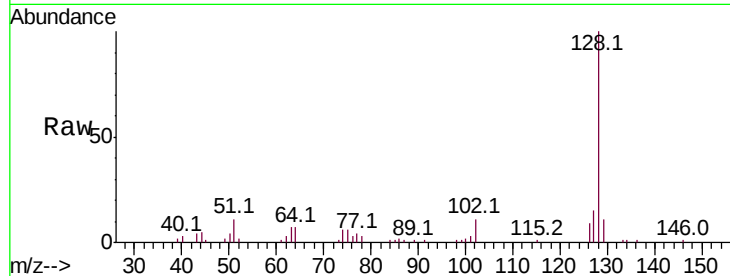




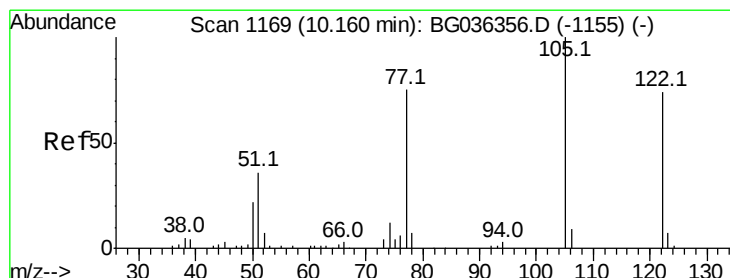
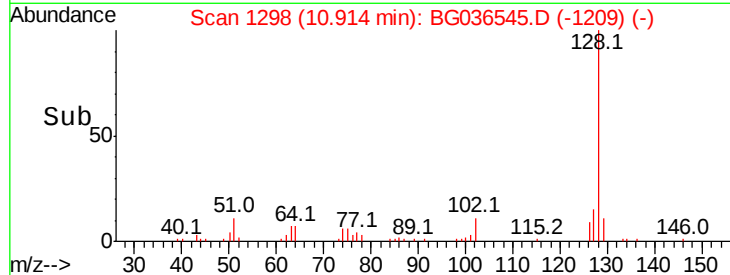
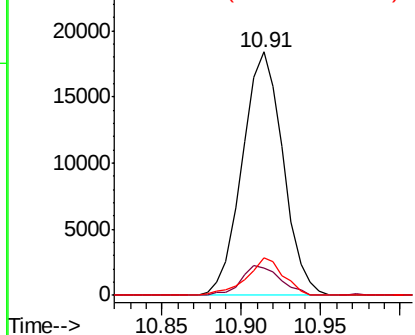
#31
Naphthalene
Concen: 2.652 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Instrument :
BNA_G
ClientSampled :

Tot Ion:128 Resp: 32857
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 15.4 11.0 16.4

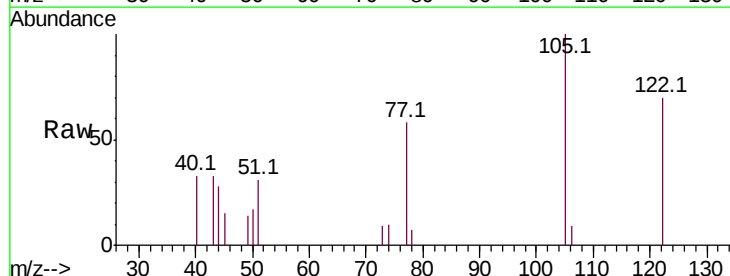


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

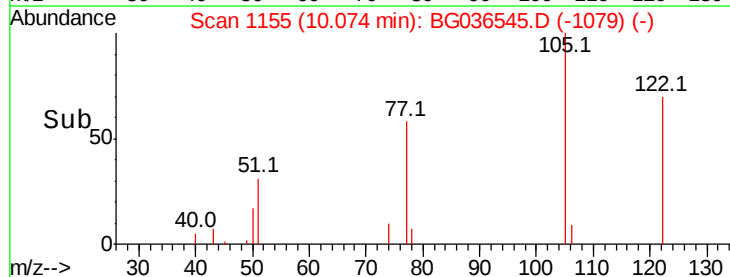
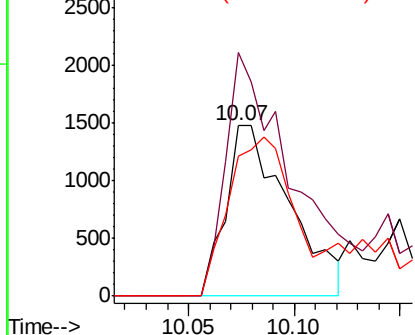


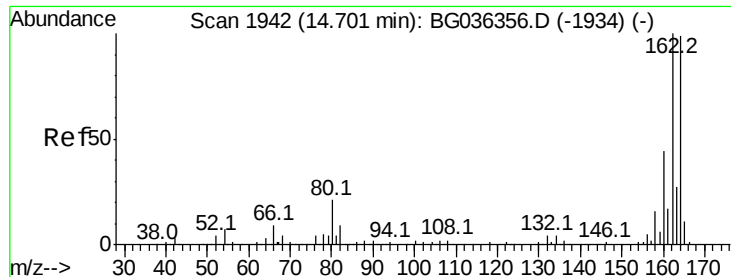
#32
Benzoic acid
Concen: 5.516 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.08 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Tgt Ion:122 Resp: 3065
Ion Ratio Lower Upper
122 100
105 142.8 108.1 148.1
77 82.4 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): BG

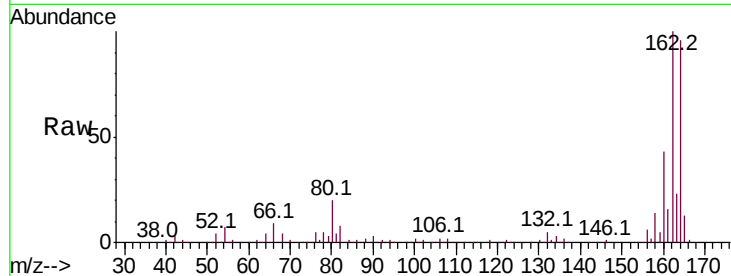




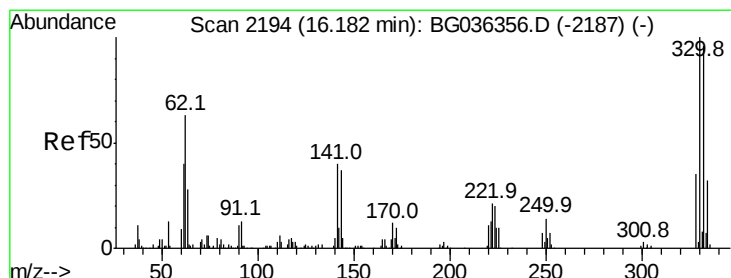
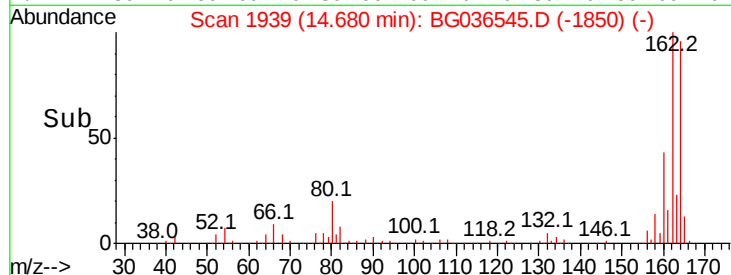
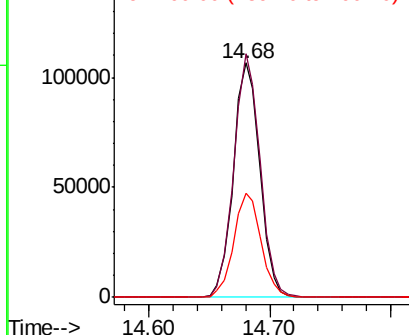
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.01 min
 Lab File: BG036545.D
 Acq: 5 Sep 2018 00:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:164 Resp: 162729
 Ion Ratio Lower Upper
 164 100
 162 103.8 80.7 121.1
 160 44.1 35.3 52.9

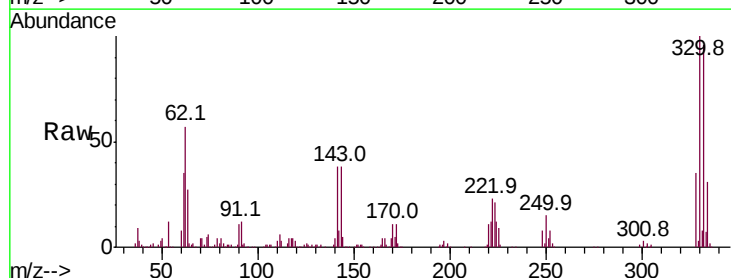


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

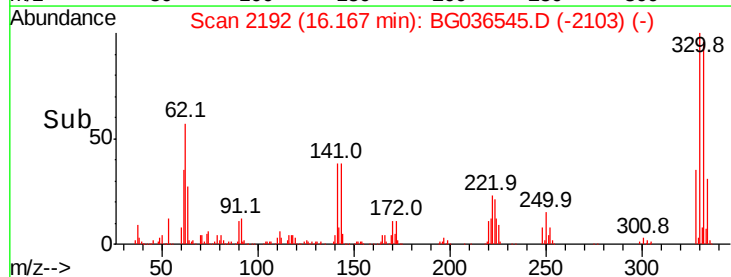
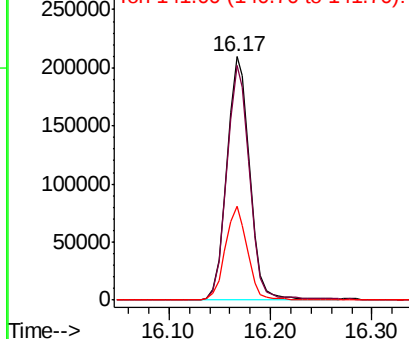


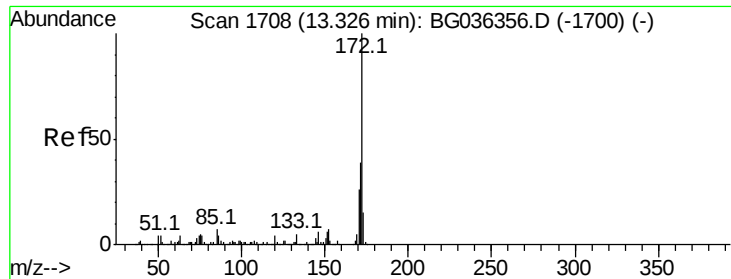
#41
 2,4,6-Tribromophenol
 Concen: 168.608 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.01 min
 Lab File: BG036545.D
 Acq: 5 Sep 2018 00:59

Tgt Ion:330 Resp: 327389
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.4 113.2
 141 37.5 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

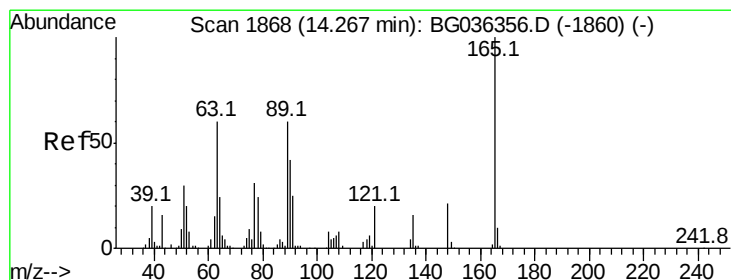
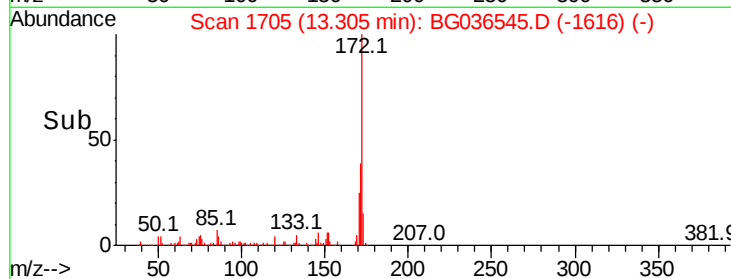
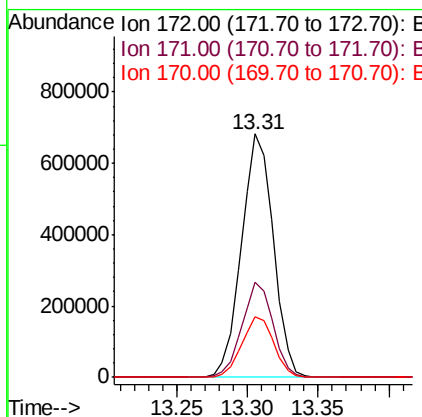
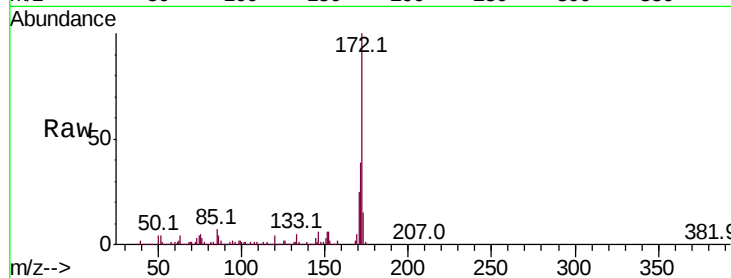




#44
2-Fluorobiphenyl
Concen: 94.609 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

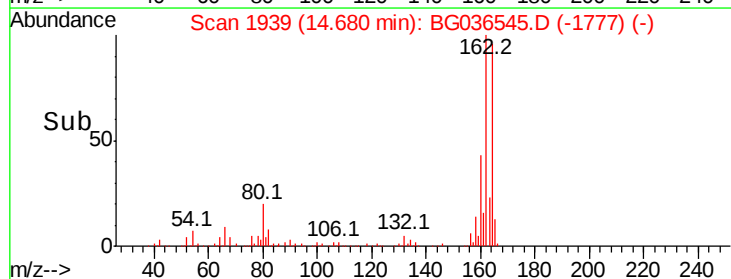
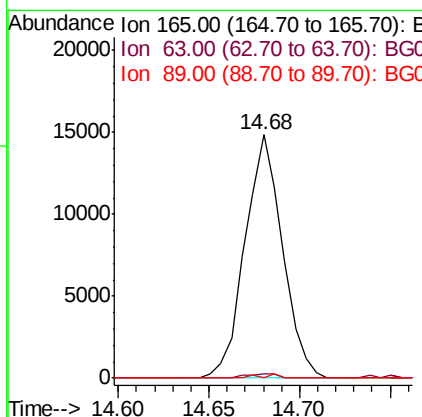
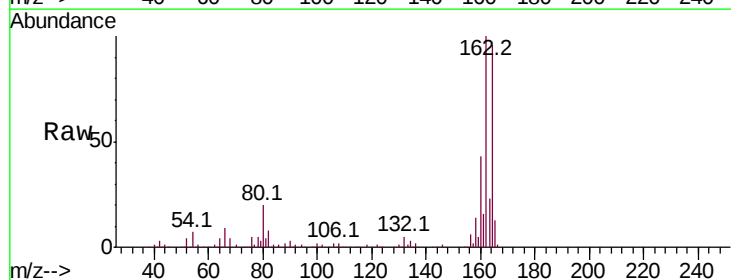
Instrument :
BNA_G
ClientSampled :

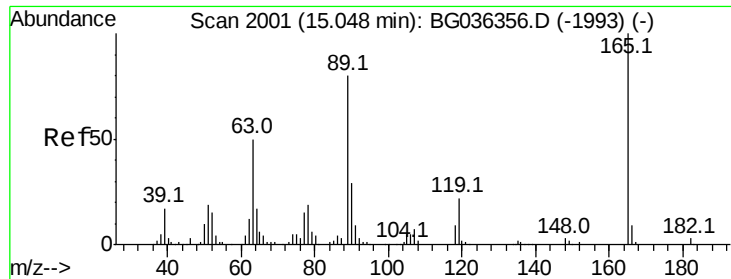
Tot Ion:172 Resp: 1078258
Ion Ratio Lower Upper
172 100
171 39.2 31.3 46.9
170 25.1 21.0 31.6



#50
2,6-Dinitrotoluene
Concen: 7.785 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.42 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Tgt Ion:165 Resp: 21285
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 0.0 47.8 71.6#

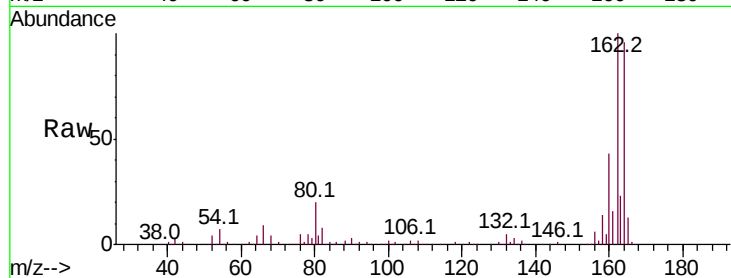




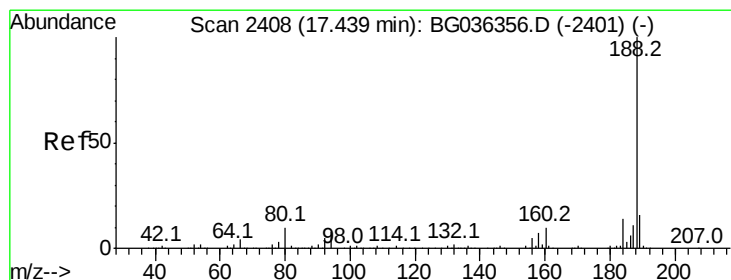
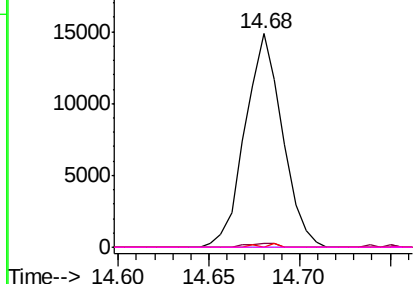
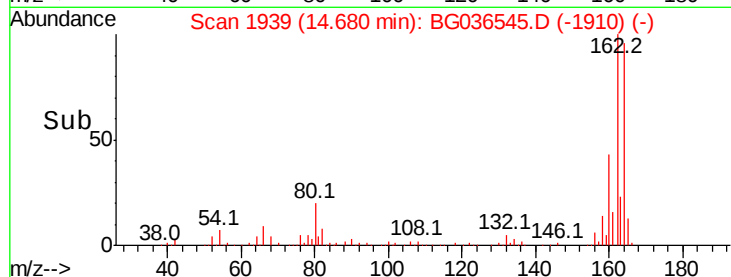
#56
2,4-Dinitrotoluene
Concen: 5.973 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

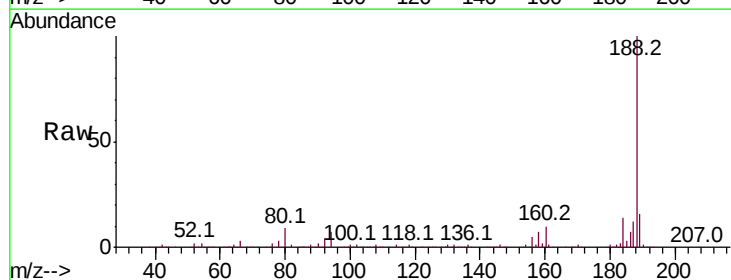


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

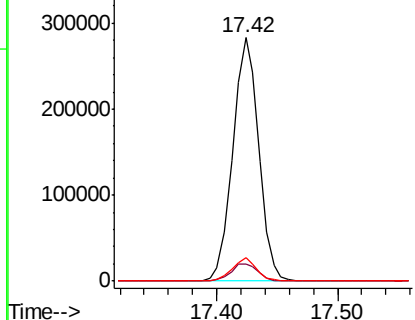
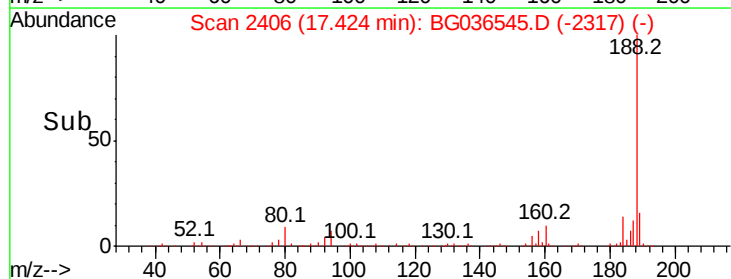


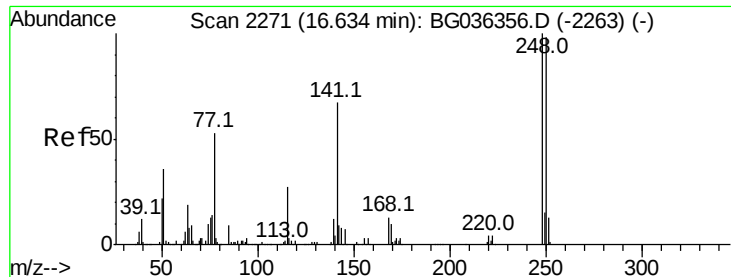
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.7	10.1
80	9.4	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

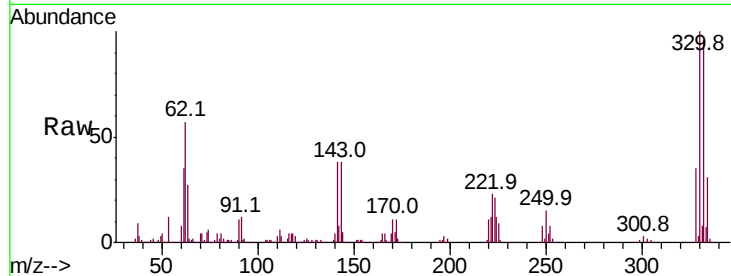




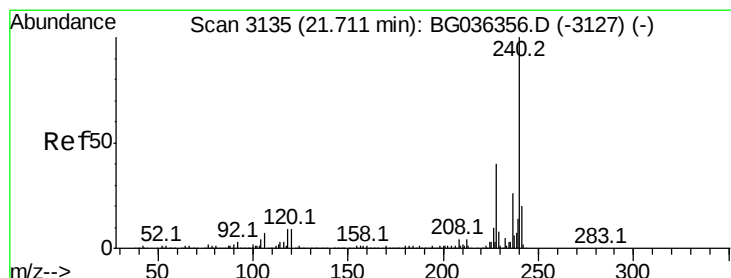
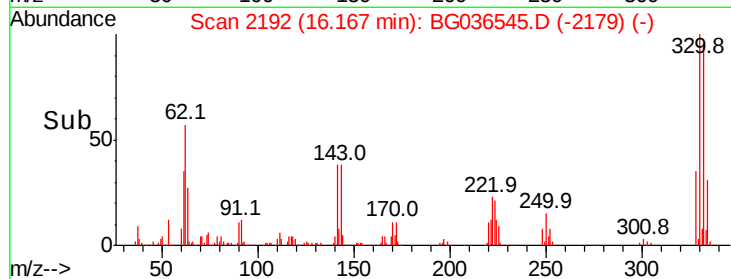
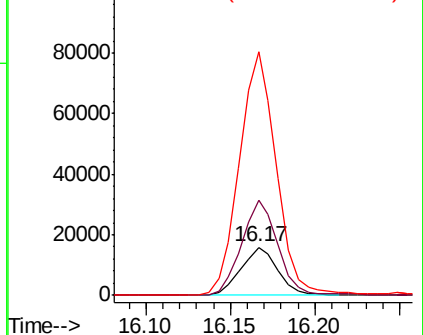
#66
4-Bromophenyl-phenylether
Concen: 4.814 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.45 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 23861
Ion Ratio Lower Upper
248 100
250 197.9 78.1 117.1#
141 509.6 53.7 80.5#

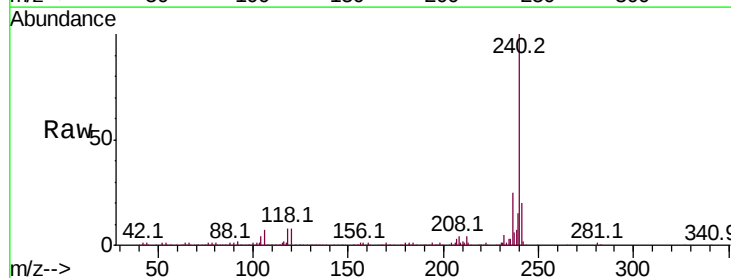


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

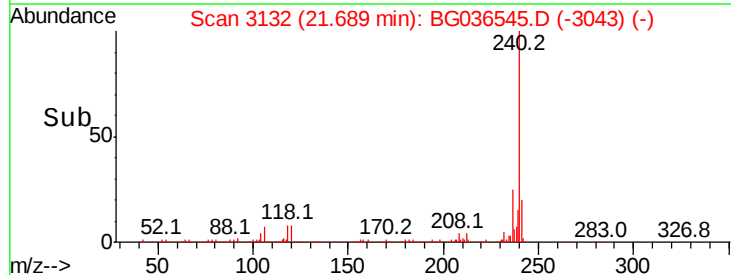
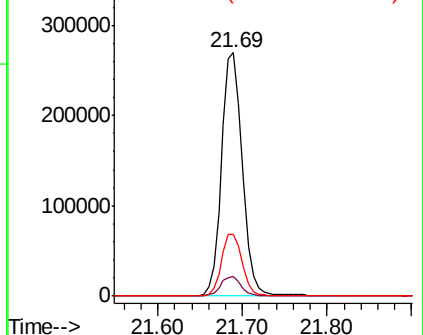


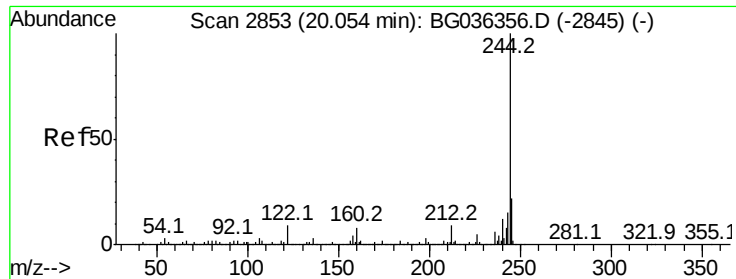
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BG036545.D
Acq: 5 Sep 2018 00:59

Tgt Ion:240 Resp: 462469
Ion Ratio Lower Upper
240 100
120 8.0 6.9 10.3
236 25.5 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: 96.813 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036545.D

Acq: 5 Sep 2018 00:59

Instrument :

BNA_G

ClientSampleId :

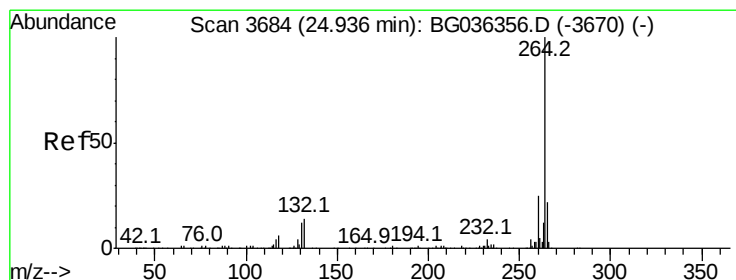
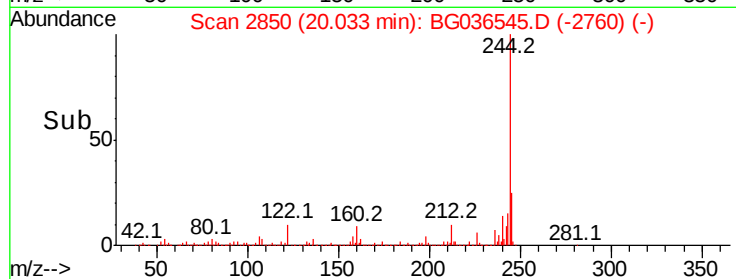
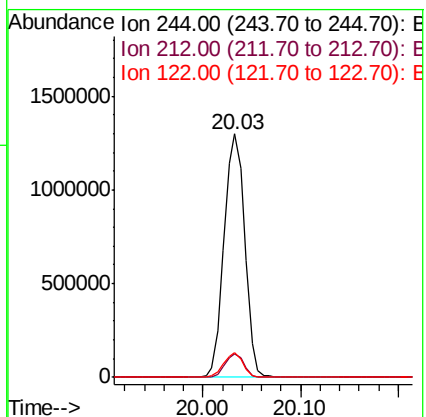
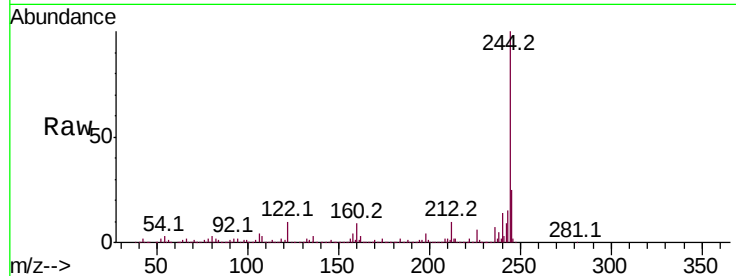
Tot Ion:244 Resp: 1915559

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.0	10.6
122	10.1	7.1	10.7

244 100

212 9.6 7.0 10.6

122 10.1 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: BG036545.D

Acq: 5 Sep 2018 00:59

Tgt Ion:264 Resp: 437430

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	21.9	17.4	26.0

264 100

260 24.3 19.6 29.4

265 21.9 17.4 26.0

