

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036399.D
 Acq On : 24 Aug 2018 5:19
 Operator : JU/SJ
 Sample : J4522-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 07:19:11 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	53099	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	216126	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	140616	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	350850	20.00	ng	0.00
75) Chrysene-d12	21.70	240	384963	20.00	ng	0.00
86) Perylene-d12	24.92	264	398043	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	216580	64.70	ng	0.00
7) Phenol-d6	7.22	99	200635	41.86	ng	0.00
23) Nitrobenzene-d5	9.23	82	402925	101.15	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	278794	166.16	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	930215	94.45	ng	0.00
78) Terphenyl-d14	20.04	244	1545044	93.81	ng	0.00

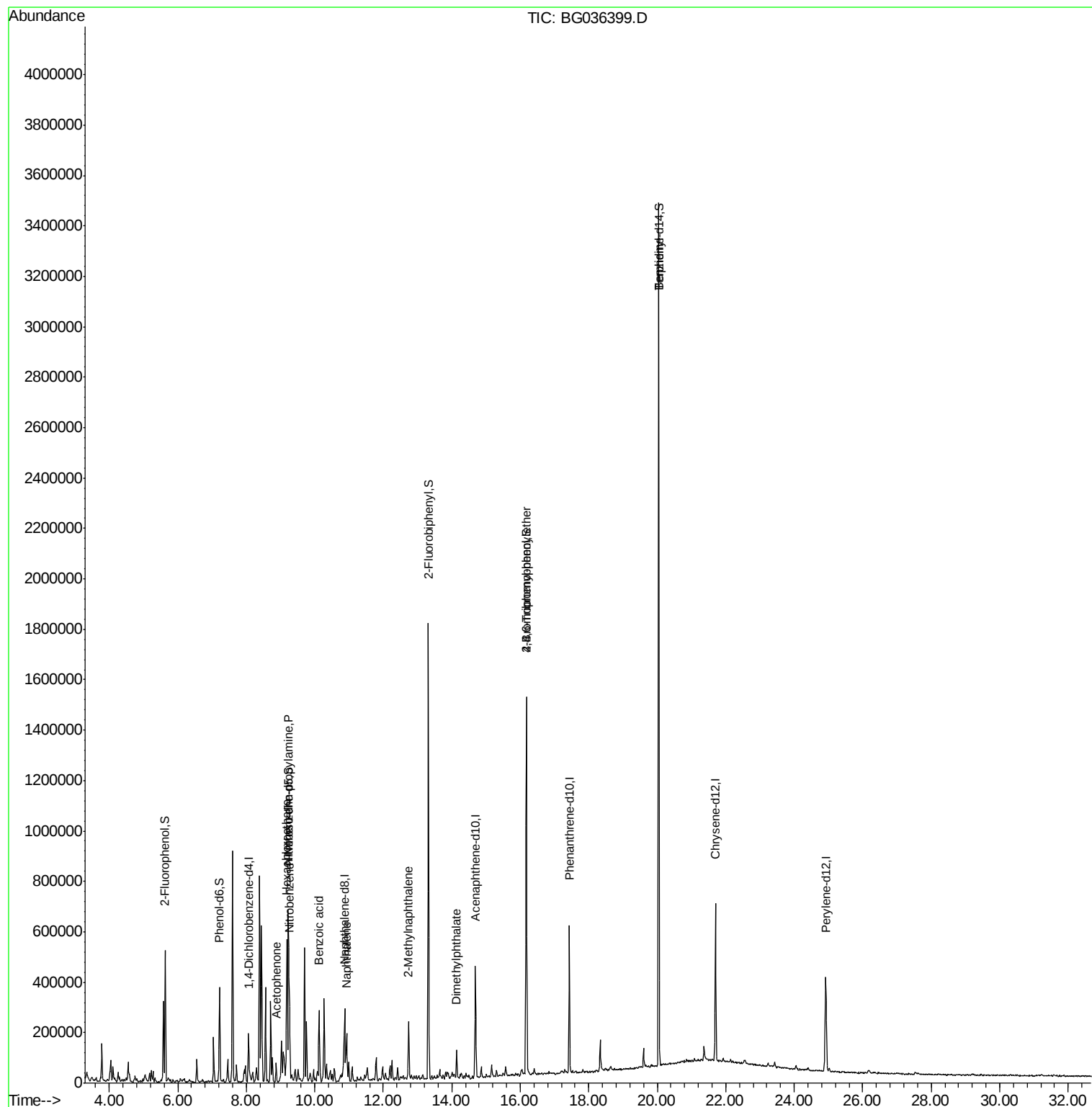
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.18	117	76478	50.971	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	53817	15.025	ng	# 75
22) Acetophenone	8.87	105	49375	8.700	ng	# 54
24) Nitrobenzene	9.26	77	14391	3.350	ng	# 1
31) Naphthalene	10.93	128	48331	4.473	ng	# 86
32) Benzoic acid	10.13	122	67	4.505	ng	# 1
37) 2-Methylnaphthalene	12.74	142	95354	12.062	ng	99
49) Dimethylphthalate	14.14	163	72368	6.303	ng	98
66) 4-Bromophenyl-phenylether	16.18	248	19816	4.824	ng	# 1
76) Benzidine	20.04	184	27516	2.240	ng	# 94

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

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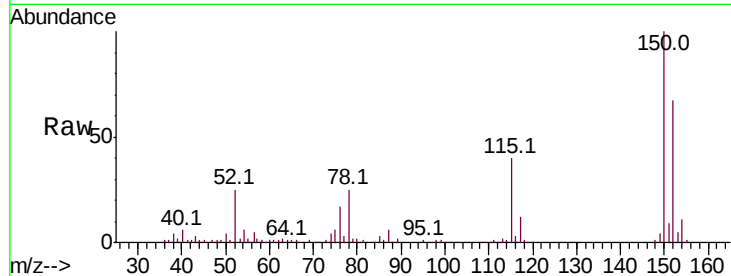


#1

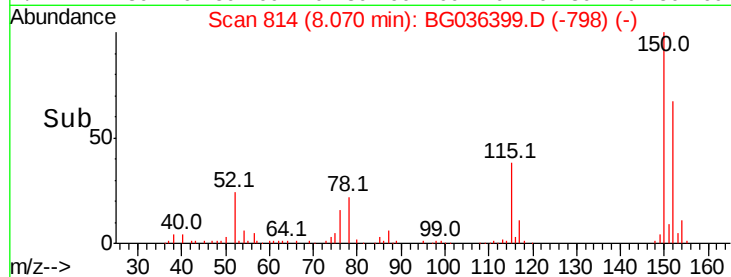
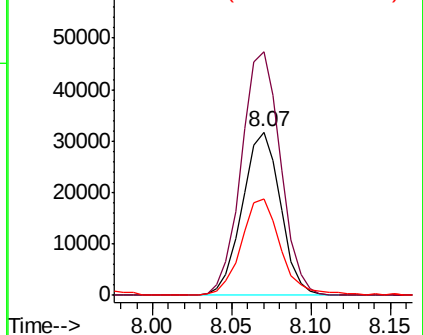
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	119.5	179.3
115	59.2	44.5	66.7



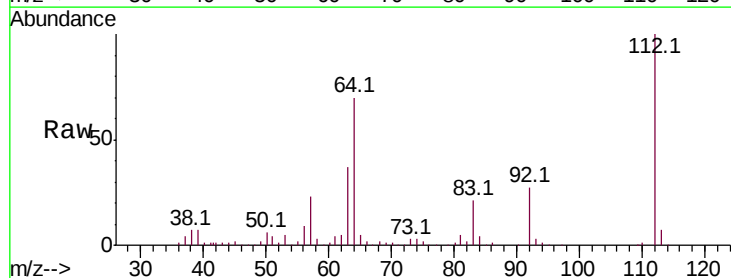
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



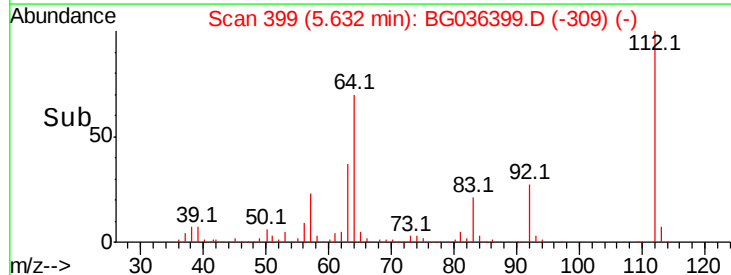
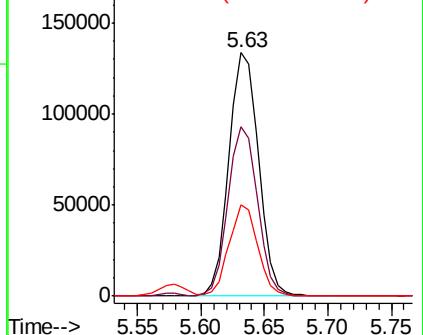
#5

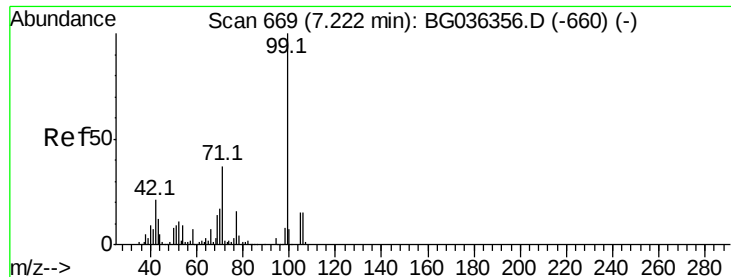
2-Fluorophenol
Concen: 64.702 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	57.2	85.8
63	37.4	30.8	46.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 41.864 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036399.D

Acq: 24 Aug 2018 5:19

Instrument :

BNA_G

ClientSampleId :

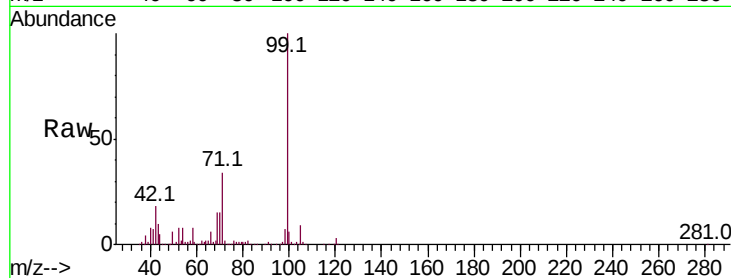
Tot Ion: 99 Resp: 200635

Ion Ratio Lower Upper

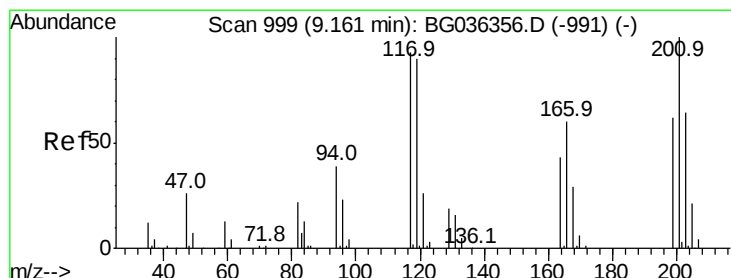
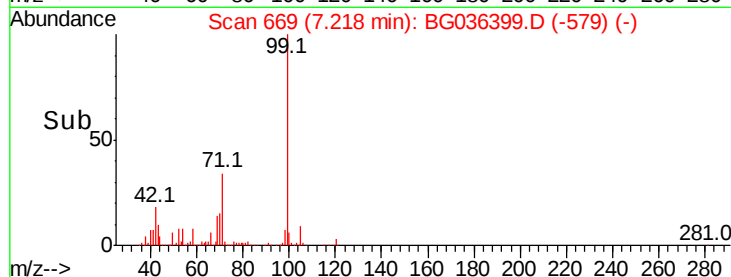
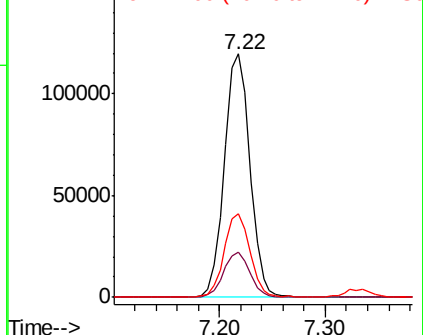
99 100

42 18.5 16.5 24.7

71 34.2 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



#18

Hexachloroethane

Concen: 50.971 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BG036399.D

Acq: 24 Aug 2018 5:19

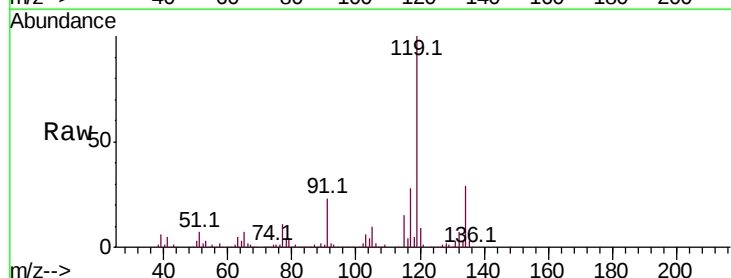
Tgt Ion: 117 Resp: 76478

Ion Ratio Lower Upper

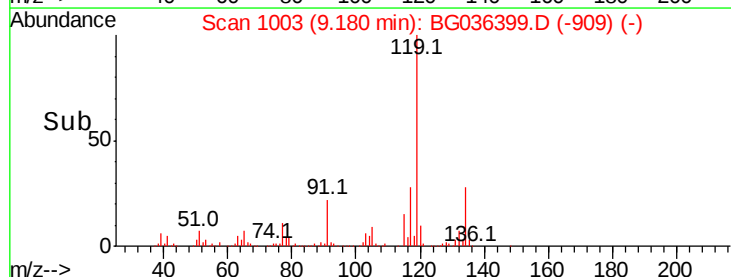
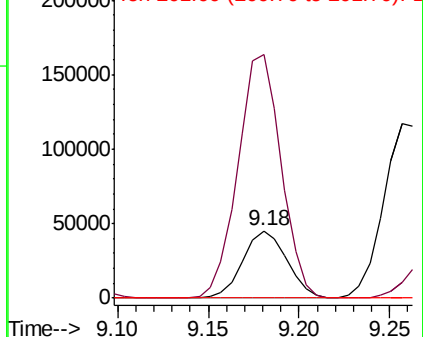
117 100

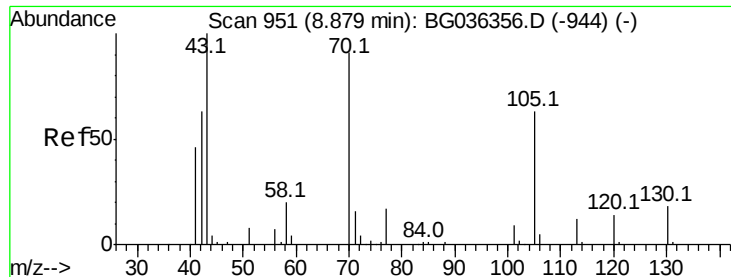
119 362.6 76.8 115.2#

201 0.0 85.7 128.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

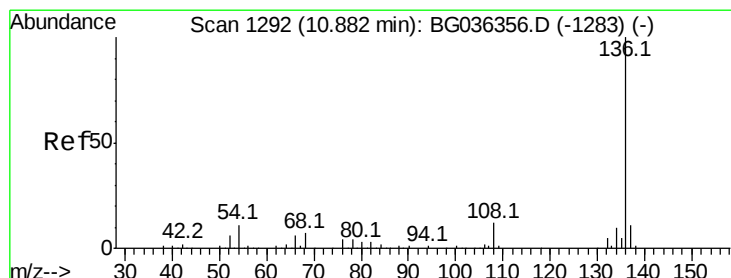
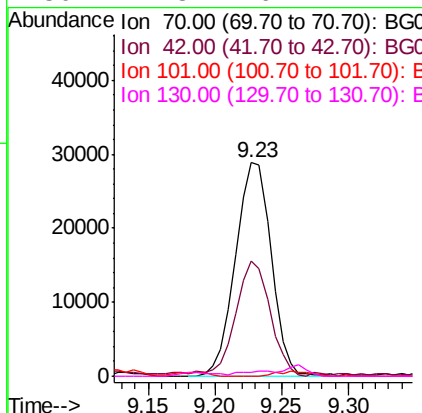
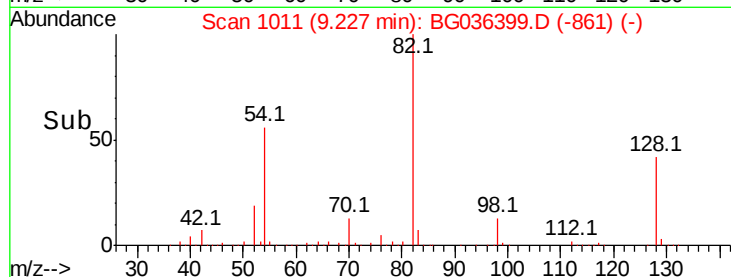
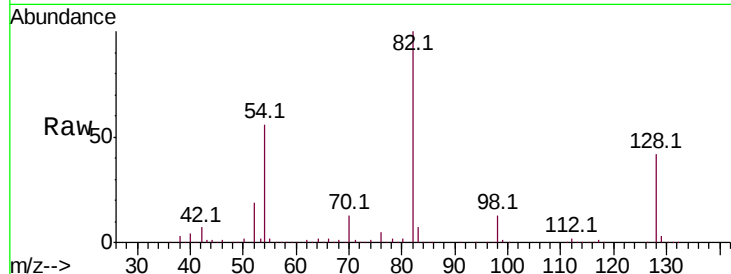




#19
n-Nitroso-di-n-propylamine
Concen: 15.025 ng
RT: 9.23 min Scan# 1011
Delta R.T. 0.35 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

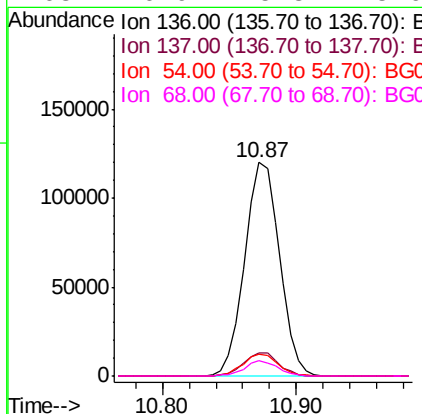
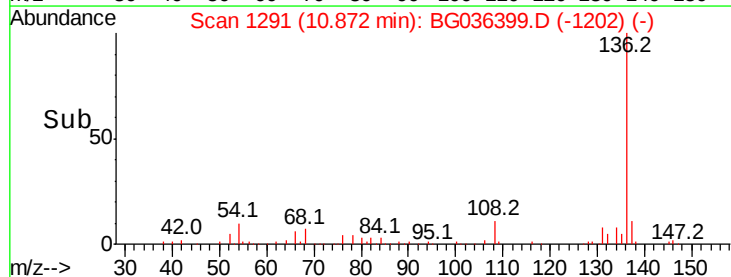
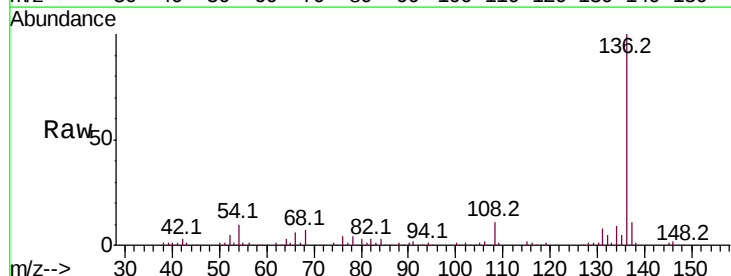
Instrument :
BNA_G
ClientSampled :

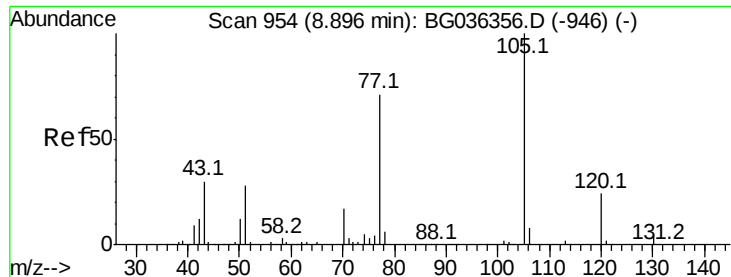
Tot Ion: 70 Resp: 53817
Ion Ratio Lower Upper
70 100
42 53.9 56.2 84.4#
101 0.0 7.8 11.6#
130 1.8 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Tgt Ion: 136 Resp: 216126
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.2 9.2 13.8
68 6.9 5.8 8.6

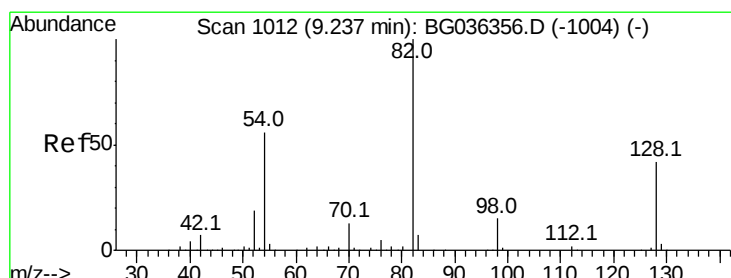
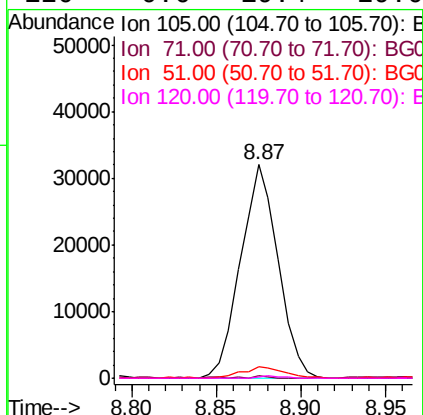
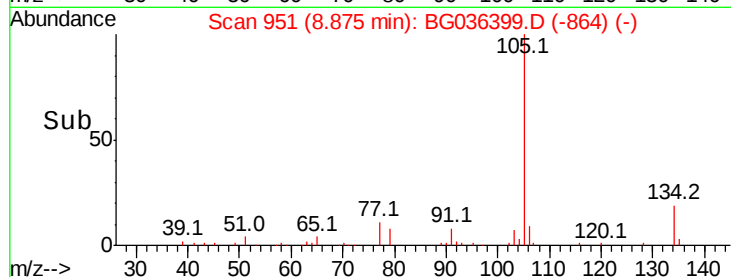
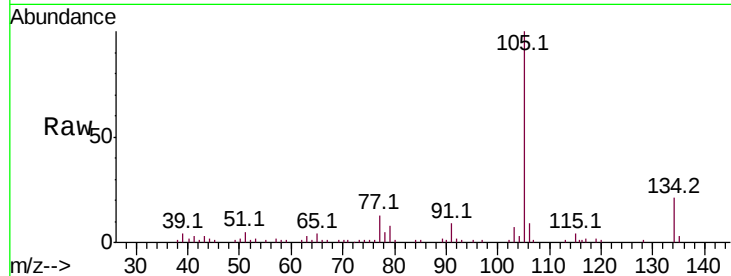




#22
Acetophenone
Concen: 8.700 ng
RT: 8.87 min Scan# 951
Delta R.T. -0.02 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

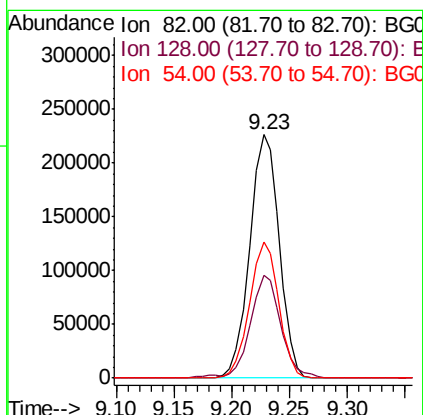
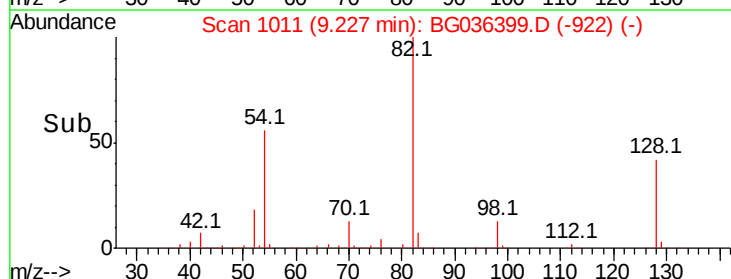
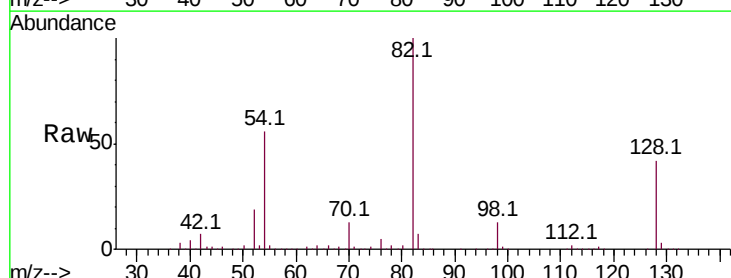
Instrument :
BNA_G
ClientSampleId :

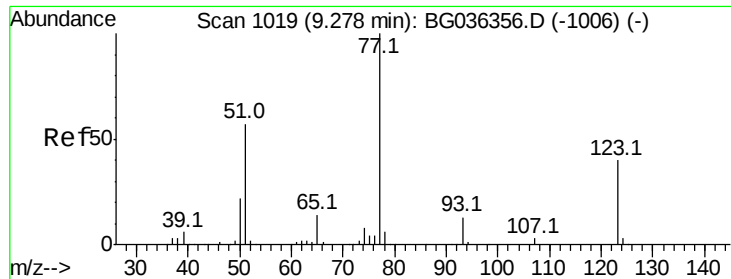
Tot Ion:105 Resp: 49375
Ion Ratio Lower Upper
105 100
71 0.9 2.4 3.6#
51 5.4 25.9 38.9#
120 0.6 19.4 29.0#



#23
Nitrobenzene-d5
Concen: 101.151 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Tgt Ion: 82 Resp: 402925
Ion Ratio Lower Upper
82 100
128 42.3 33.3 49.9
54 55.6 45.1 67.7

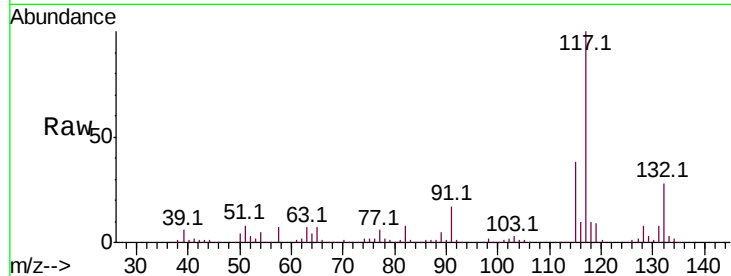




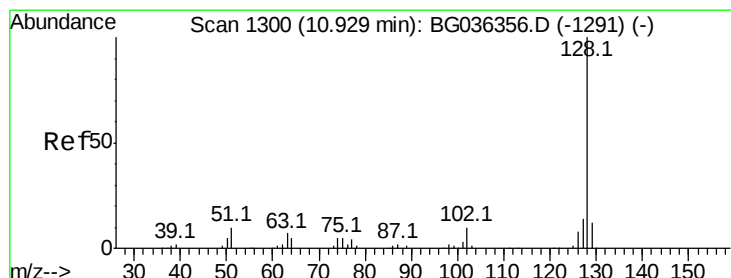
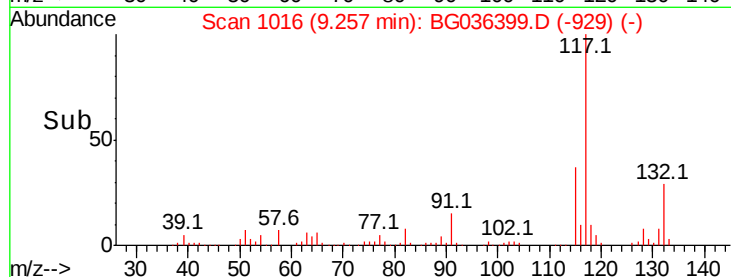
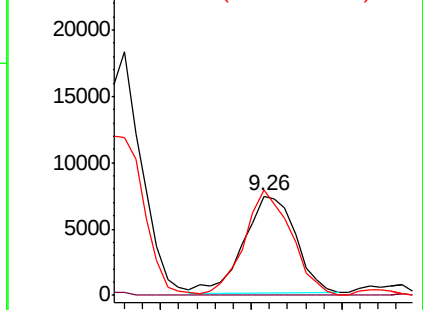
#24
Nitrobenzene
Concen: 3.350 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.02 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.4	48.6#
65	105.6	11.5	17.3#

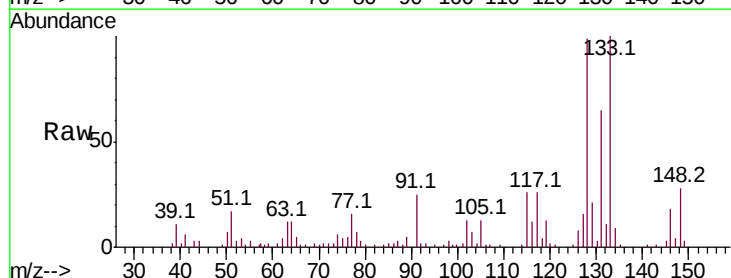


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

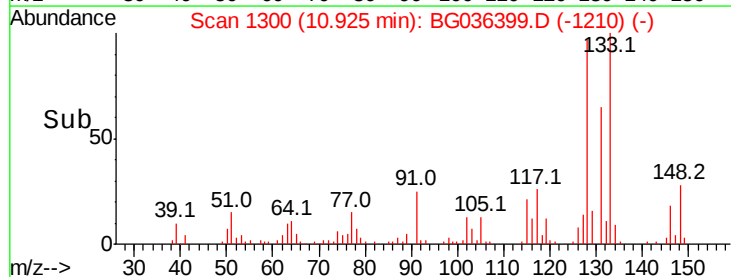
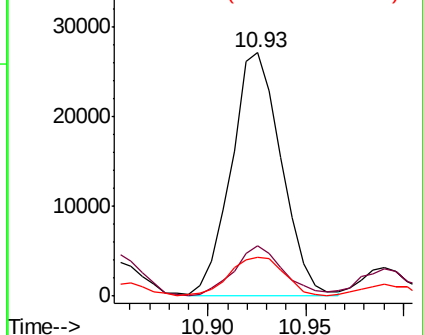


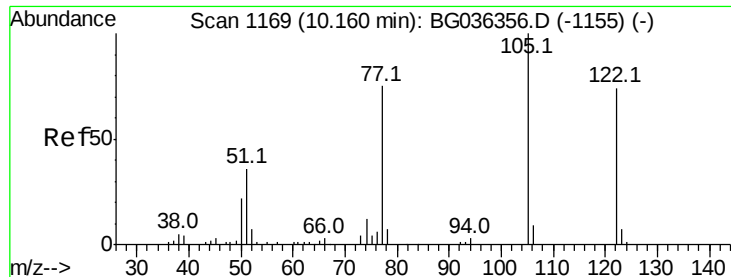
#31
Naphthalene
Concen: 4.473 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	20.8	9.4	14.2#
127	16.1	11.0	16.4



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

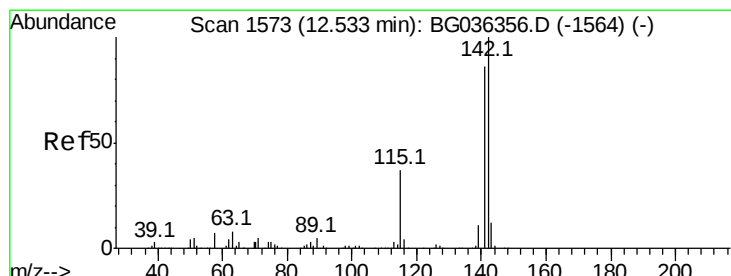
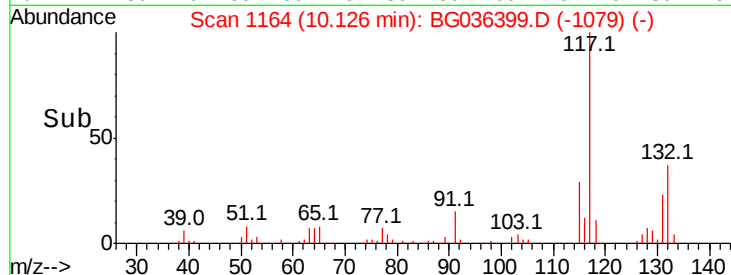
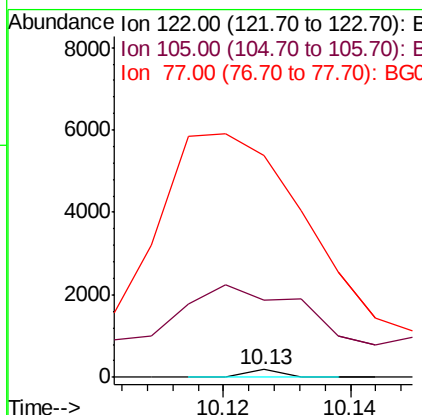
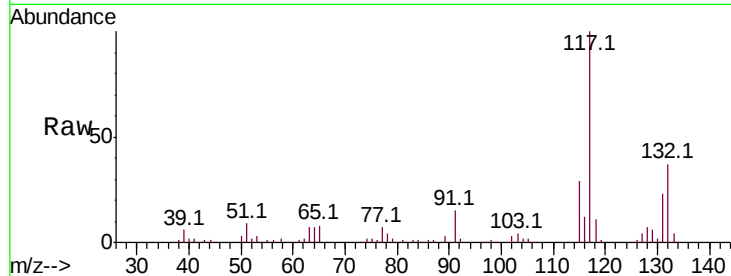




#32
Benzoic acid
Concen: 4.505 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.03 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

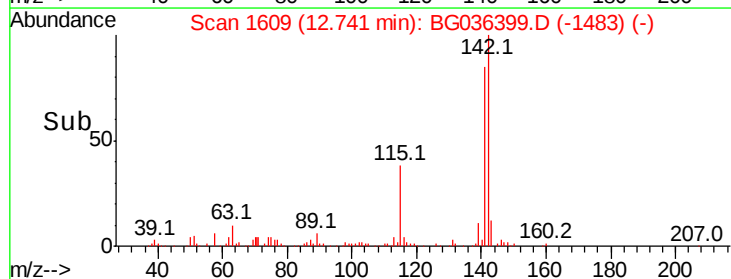
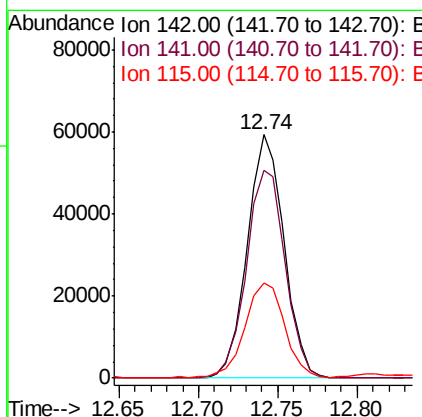
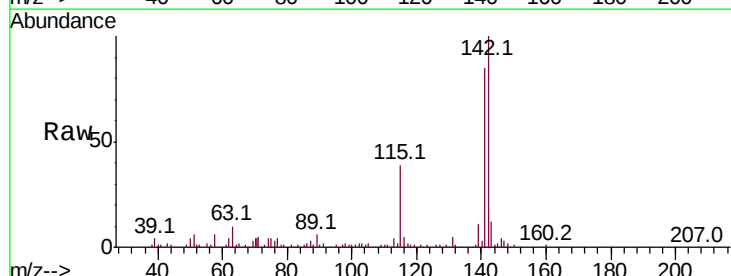
Instrument :
BNA_G
ClientSampleId :

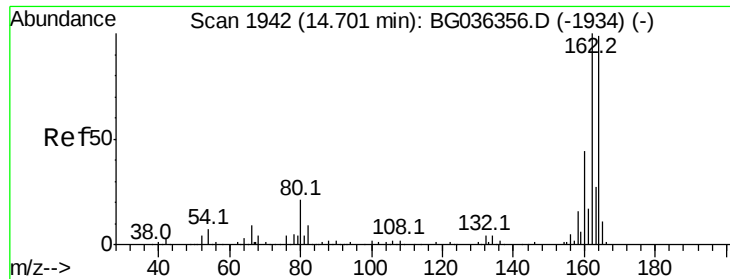
Tot Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 996.8 108.1 148.1#
77 2840.2 76.3 116.3#



#37
2-Methylnaphthalene
Concen: 12.062 ng
RT: 12.74 min Scan# 1609
Delta R.T. 0.21 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Tgt Ion:142 Resp: 95354
Ion Ratio Lower Upper
142 100
141 85.4 68.5 102.7
115 39.1 29.8 44.8

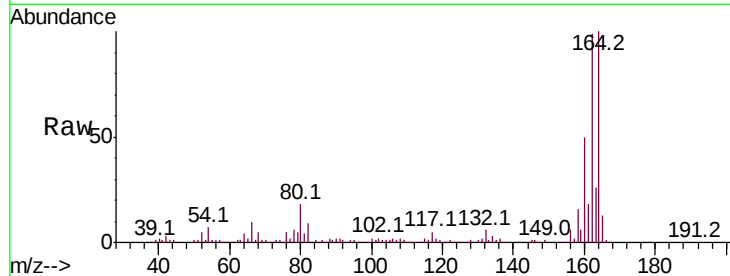




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: BG036399.D
 Acq: 24 Aug 2018 5:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.7	121.1
160	50.0	35.3	52.9

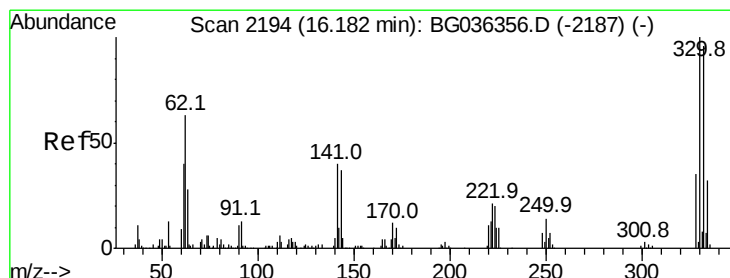
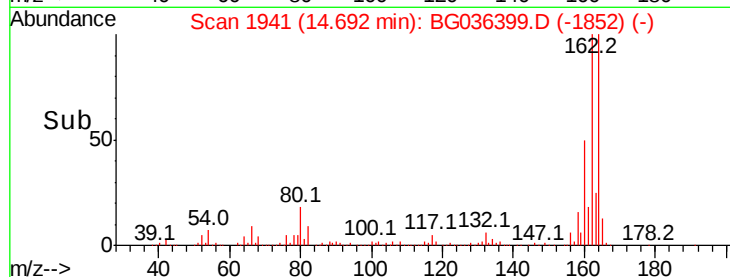
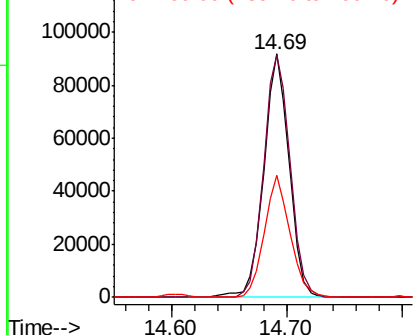


Abundance

Ion 164.00 (163.70 to 164.70): E

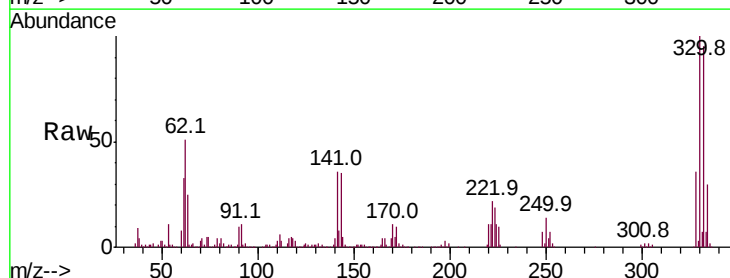
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 166.160 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036399.D
 Acq: 24 Aug 2018 5:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.4	113.2
141	37.5	30.7	46.1

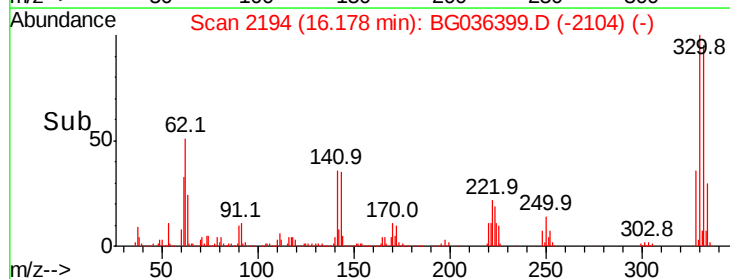
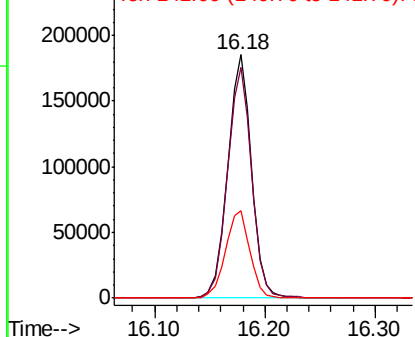


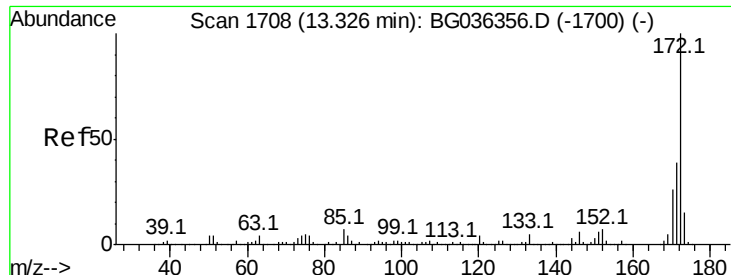
Abundance

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

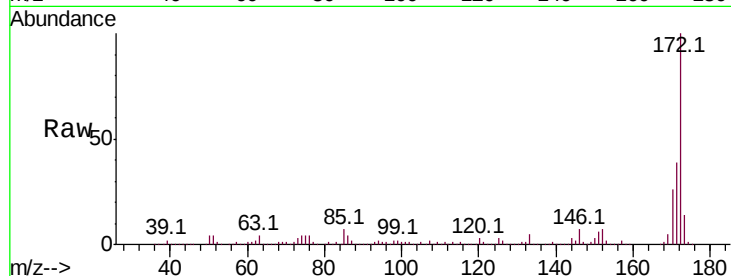




#44
2-Fluorobiphenyl
Concen: 94.454 ng
RT: 13.32 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.3	46.9
170	25.6	21.0	31.6

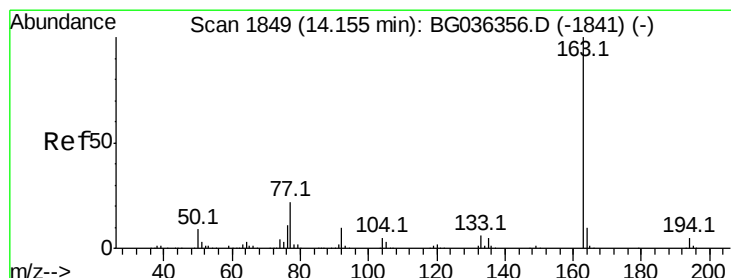
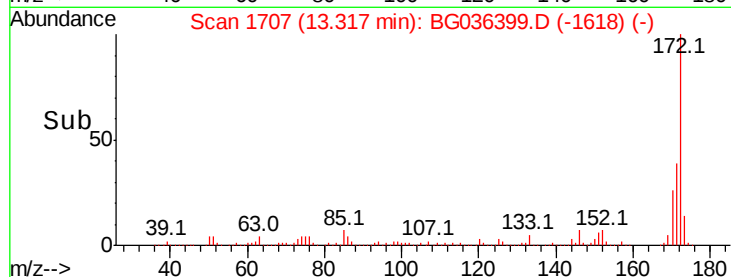
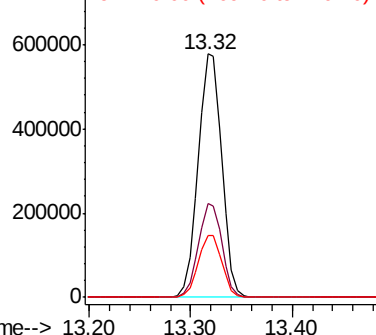


Abundance

Ion 172.00 (171.70 to 172.70): E

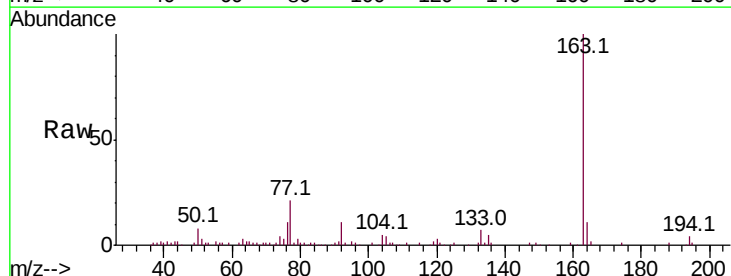
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 6.303 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BG036399.D
Acq: 24 Aug 2018 5:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	4.0	6.0
164	10.6	8.1	12.1

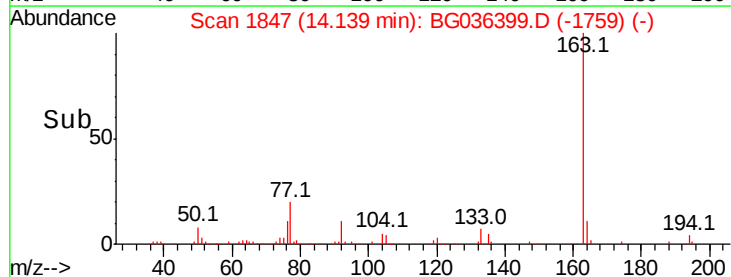
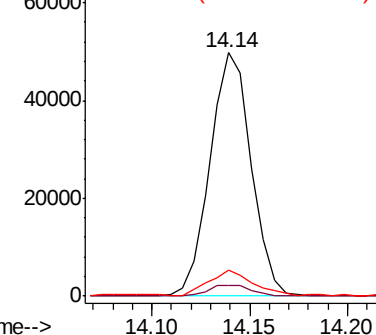


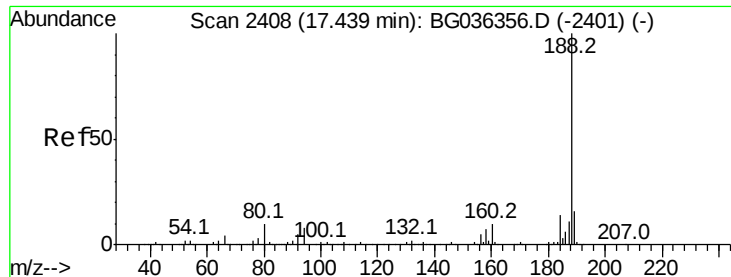
Abundance

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

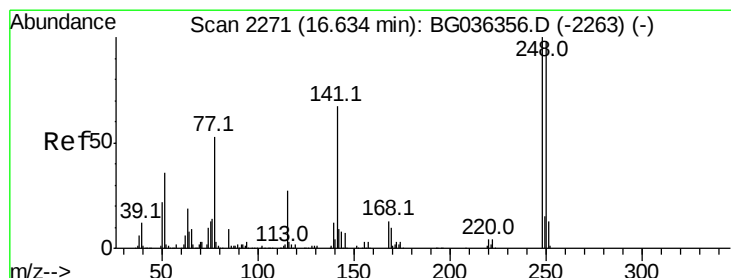
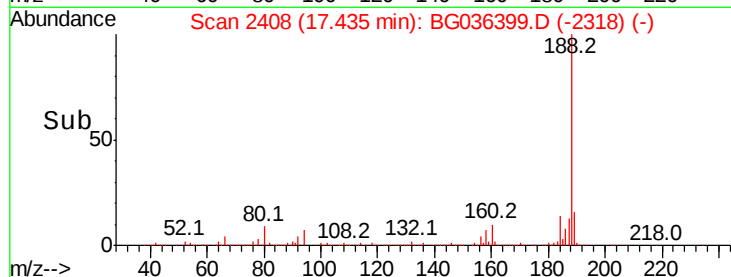
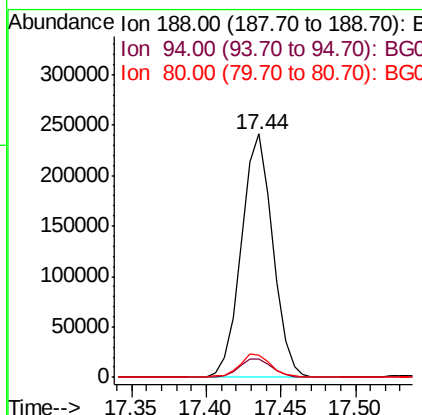
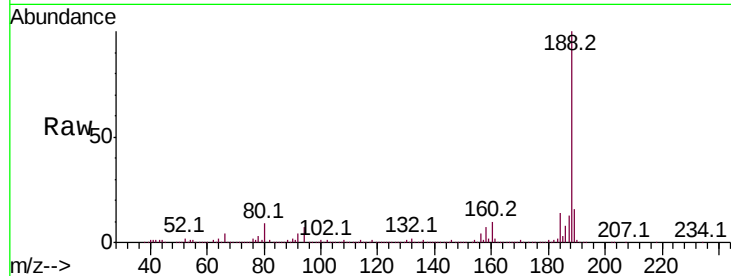




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG036399.D
 Acq: 24 Aug 2018 5:19

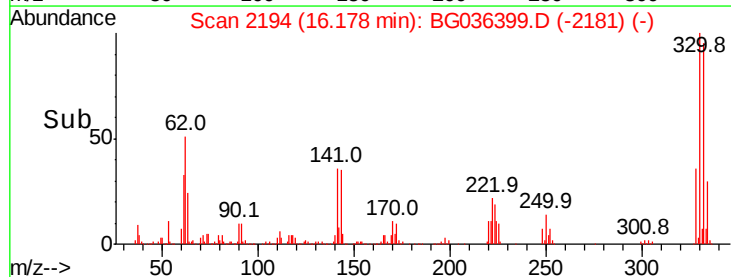
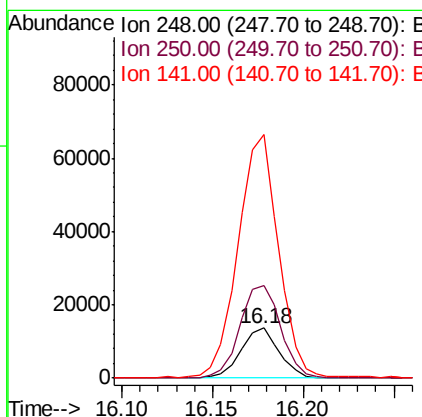
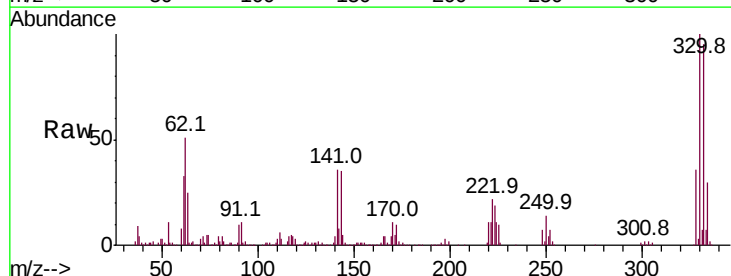
Instrument :
 BNA_G
 ClientSampleId :

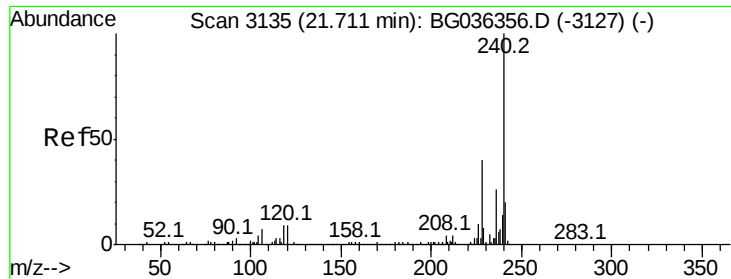
Tot Ion:188 Resp: 350850
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.7 10.1
 80 9.2 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 4.824 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.46 min
 Lab File: BG036399.D
 Acq: 24 Aug 2018 5:19

Tgt Ion:248 Resp: 19816
 Ion Ratio Lower Upper
 248 100
 250 185.9 78.1 117.1#
 141 488.5 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: BG036399.D

Acq: 24 Aug 2018 5:19

Instrument :

BNA_G

ClientSampleId :

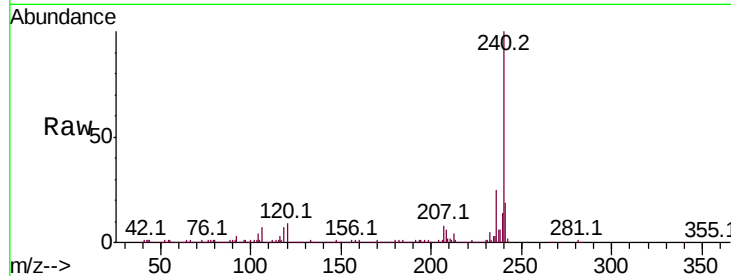
Tot Ion:240 Resp: 384963

Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

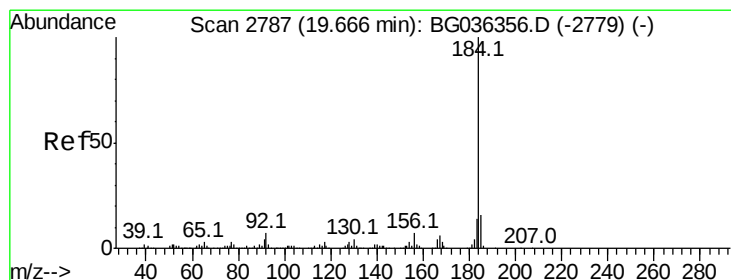
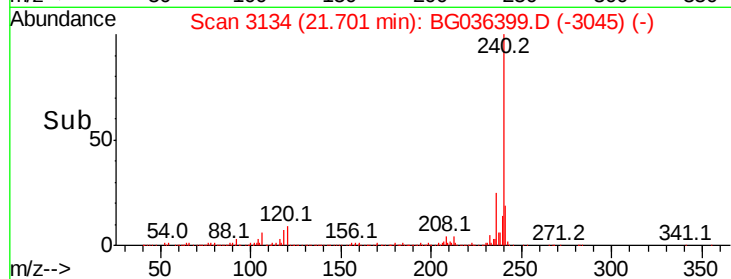
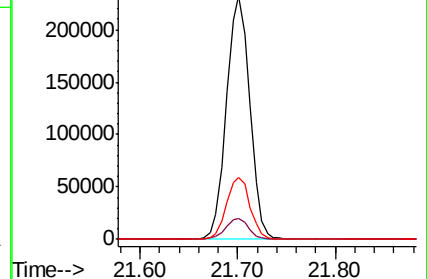
236 25.3 21.2 31.8



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: 2.240 ng

RT: 20.04 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG036399.D

Acq: 24 Aug 2018 5:19

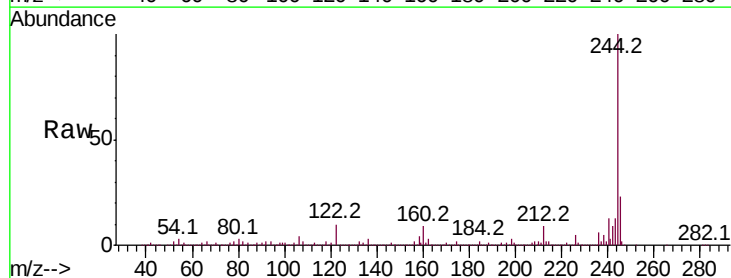
Tgt Ion:184 Resp: 27516

Ion Ratio Lower Upper

184 100

185 18.1 12.6 18.8

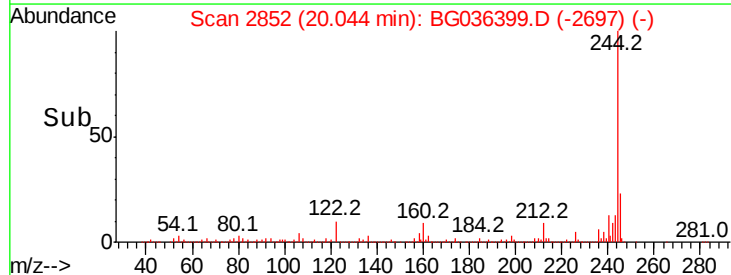
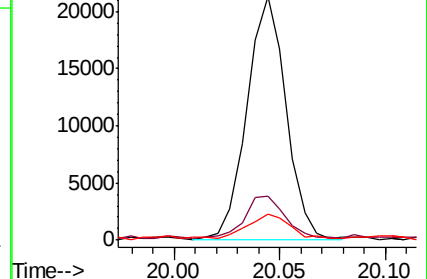
183 10.7 10.9 16.3#

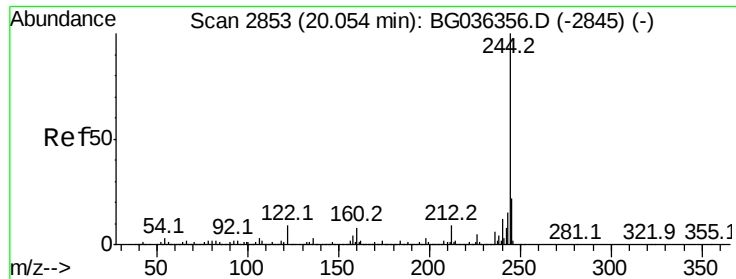


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.809 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036399.D

Acq: 24 Aug 2018 5:19

Instrument :

BNA_G

ClientSampled :

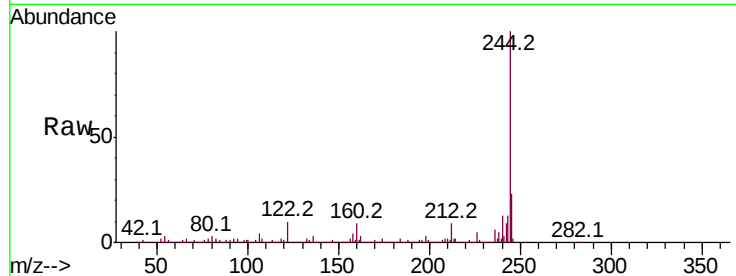
Tot Ion:244 Resp: 1545044

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

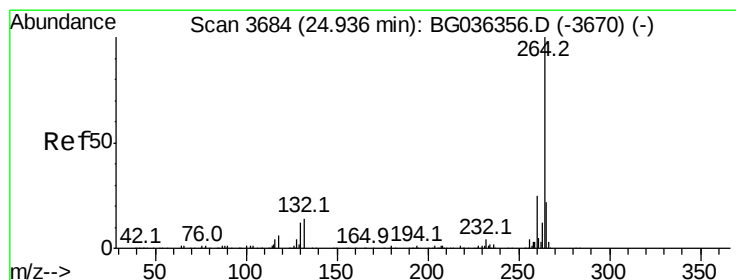
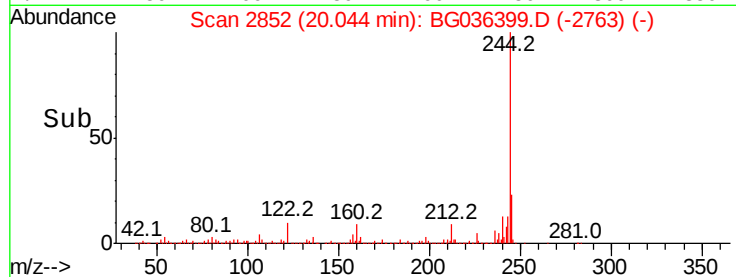
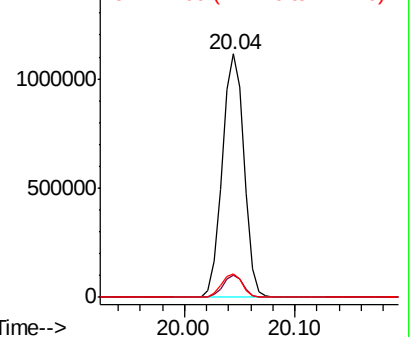
122 9.6 7.1 10.7



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. -0.02 min

Lab File: BG036399.D

Acq: 24 Aug 2018 5:19

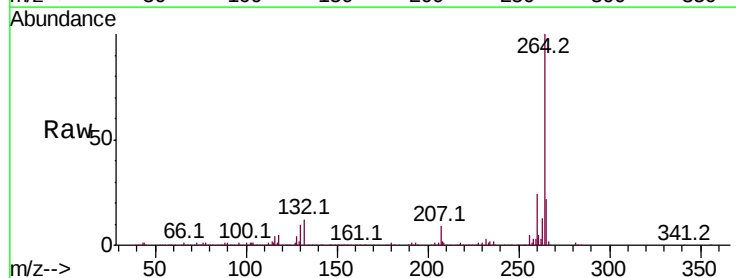
Tgt Ion:264 Resp: 398043

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

265 21.6 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

