

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082418\
 Data File : BG036386.D
 Acq On : 23 Aug 2018 20:49
 Operator : JU/SJ
 Sample : J4606-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 03:33:38 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

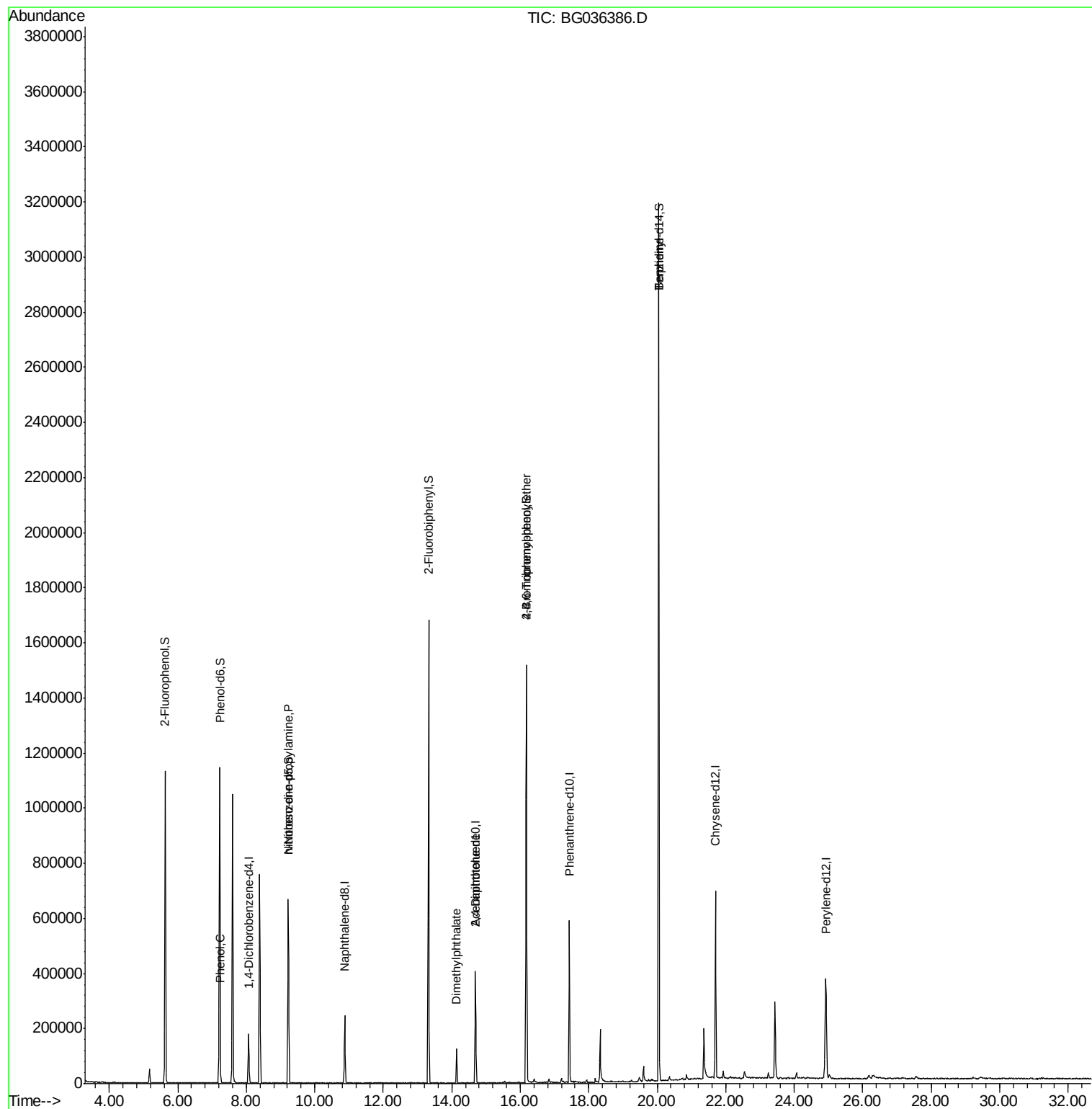
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	50777	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	206094	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	137206	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	362824	20.00	ng	0.00
75) Chrysene-d12	21.70	240	404282	20.00	ng	0.00
86) Perylene-d12	24.92	264	409824	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	462894	144.61	ng	0.00
7) Phenol-d6	7.22	99	655584	143.05	ng	0.00
23) Nitrobenzene-d5	9.23	82	393832	103.68	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	276906	169.14	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	852997	88.77	ng	0.00
78) Terphenyl-d14	20.04	244	1482261	85.70	ng	0.00
Target Compounds						
10) Phenol	7.25	94	11265	2.349	ng	87
19) n-Nitroso-di-n-propylamine	9.23	70	52204	15.241	ng	# 76
49) Dimethylphthalate	14.14	163	82256	7.342	ng	99
56) 2,4-Dinitrotoluene	14.69	165	17850	5.941	ng	# 19
66) 4-Bromophenyl-phenylether	16.18	248	19864	4.676	ng	# 1
76) Benzidine	20.04	184	26189	2.030	ng	# 90

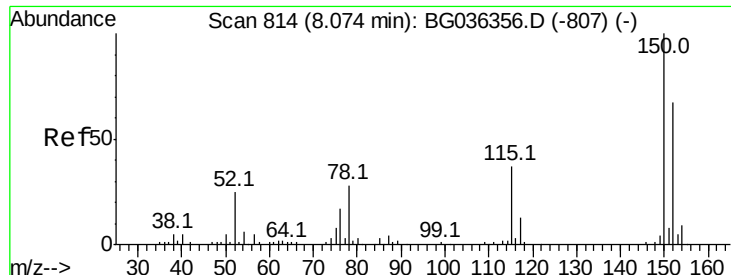
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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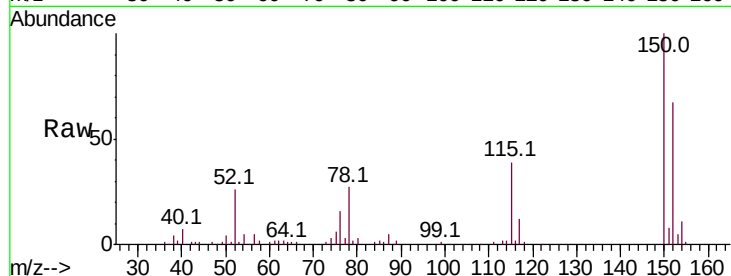


#1

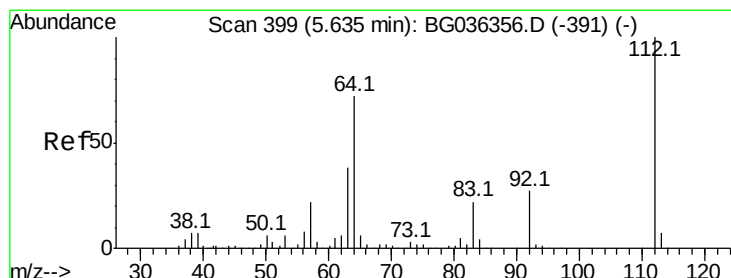
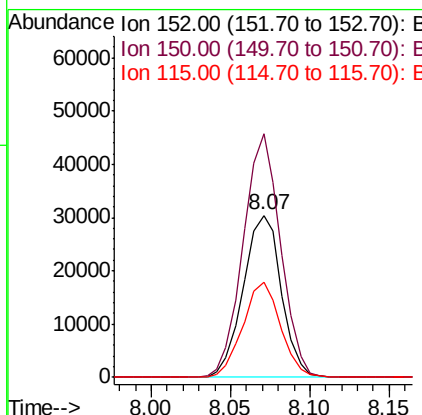
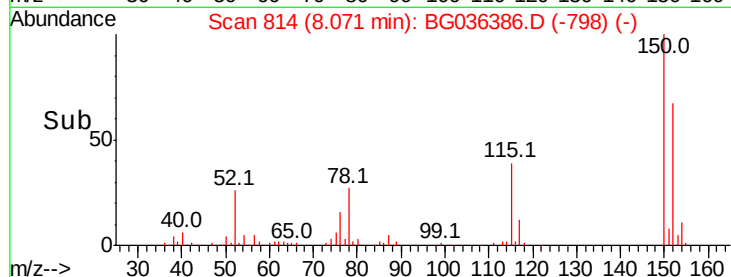
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG036386.D
Acq: 23 Aug 2018 20:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50777
Ion Ratio Lower Upper
152 100
150 150.0 119.5 179.3
115 58.9 44.5 66.7



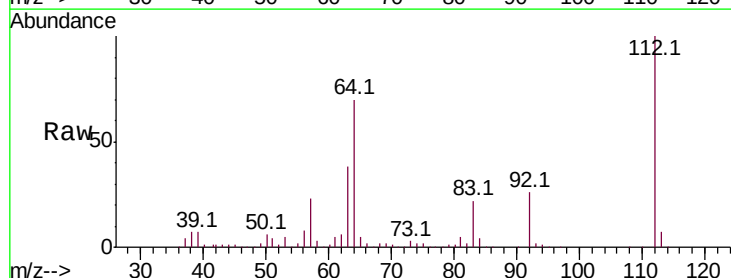
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



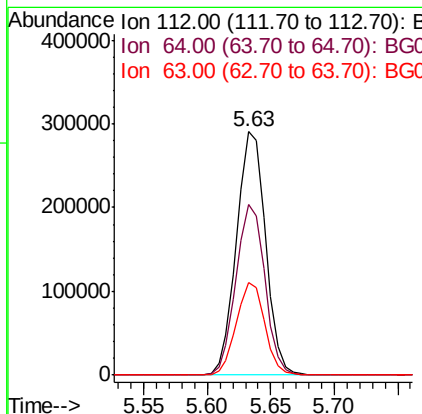
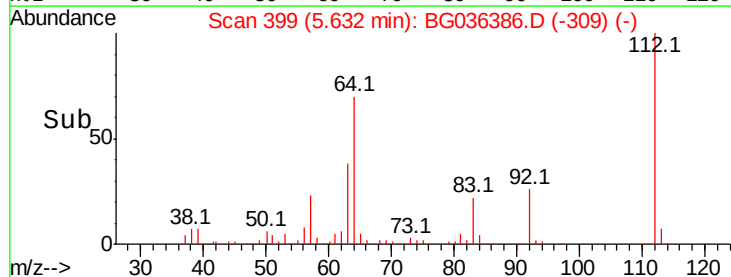
#5

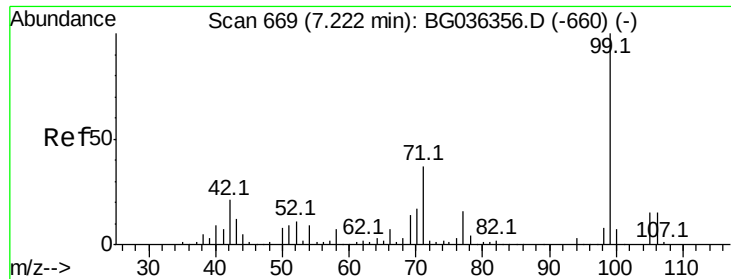
2-Fluorophenol
Concen: 144.610 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036386.D
Acq: 23 Aug 2018 20:49

Tgt Ion:112 Resp: 462894
Ion Ratio Lower Upper
112 100
64 70.2 57.2 85.8
63 38.0 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: 143.046 ng

RT: 7.22 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG036386.D

Acq: 23 Aug 2018 20:49

Instrument :

BNA_G

ClientSampled :

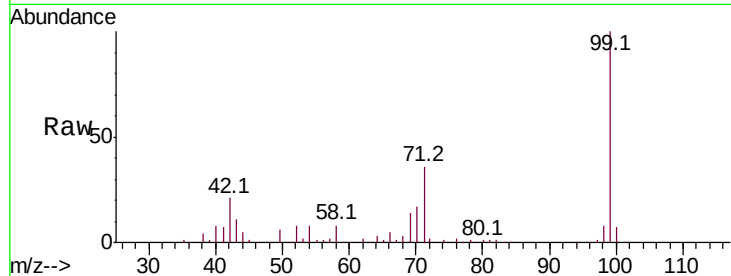
Tot Ion: 99 Resp: 655584

Ion Ratio Lower Upper

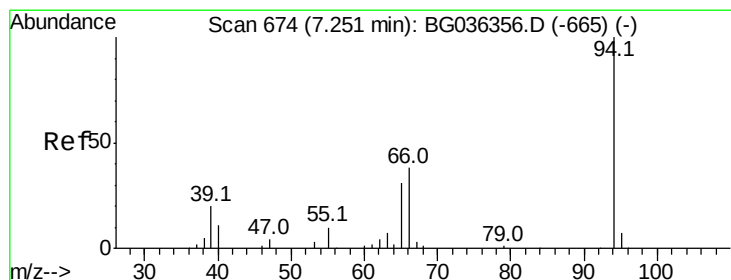
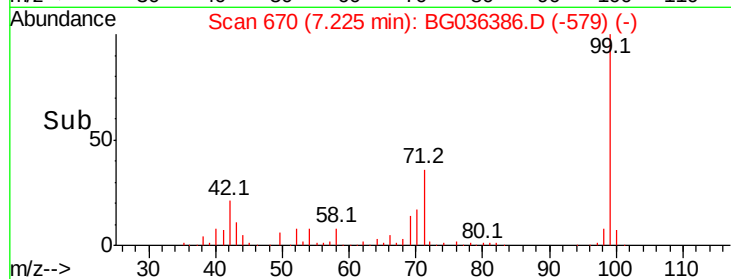
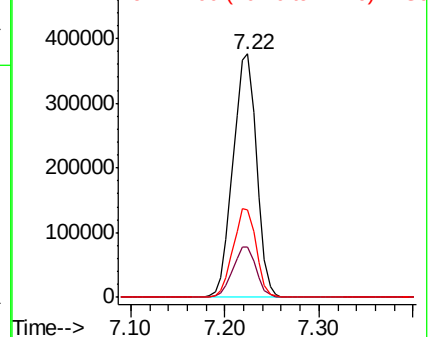
99 100

42 20.6 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



#10

Phenol

Concen: 2.349 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG036386.D

Acq: 23 Aug 2018 20:49

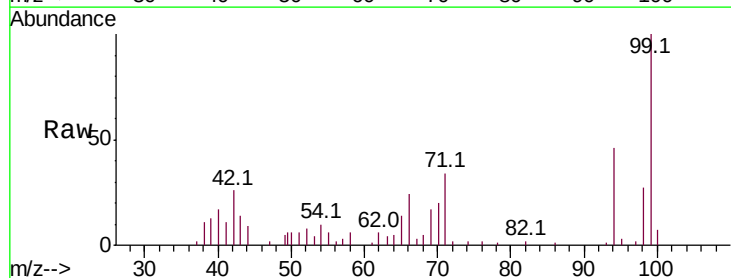
Tgt Ion: 94 Resp: 11265

Ion Ratio Lower Upper

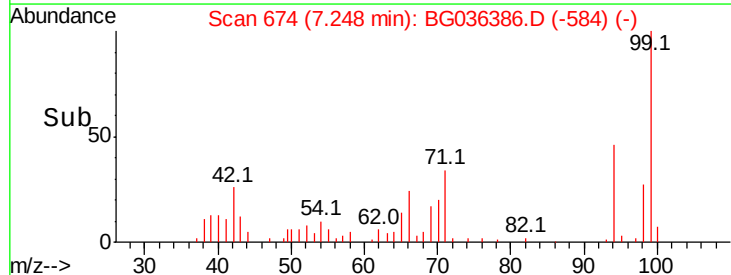
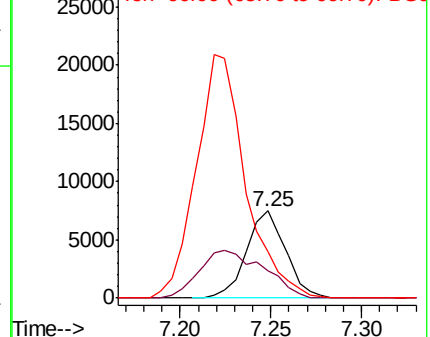
94 100

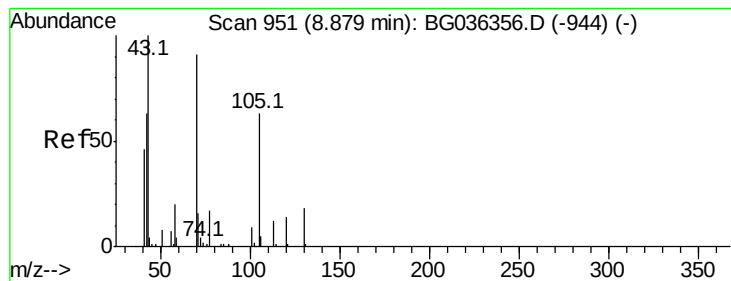
65 30.7 11.5 51.5

66 52.7 19.5 59.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.241 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036386.D

Acq: 23 Aug 2018 20:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 52204

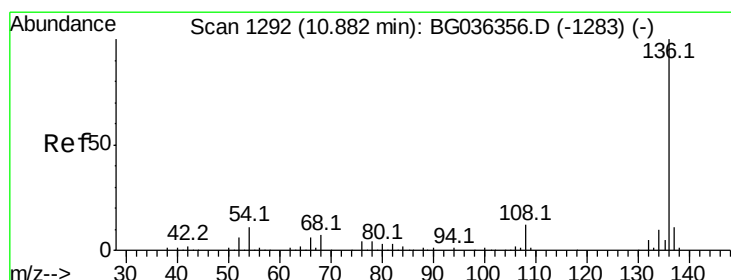
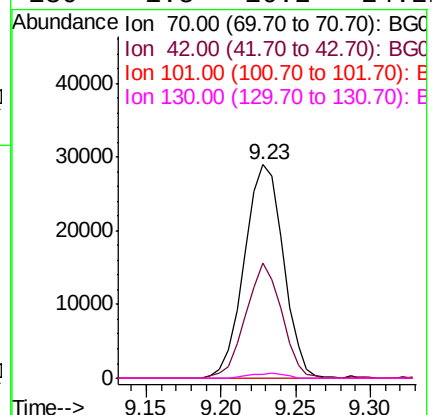
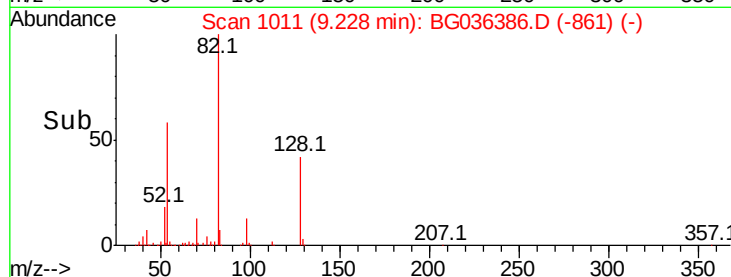
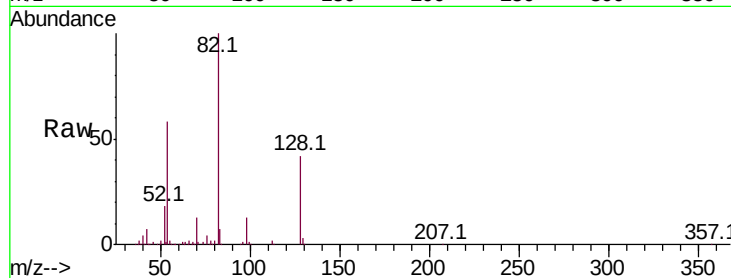
Ion Ratio Lower Upper

70 100

42 54.2 56.2 84.4#

101 0.0 7.8 11.6#

130 1.5 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BG036386.D

Acq: 23 Aug 2018 20:49

Tgt Ion: 136 Resp: 206094

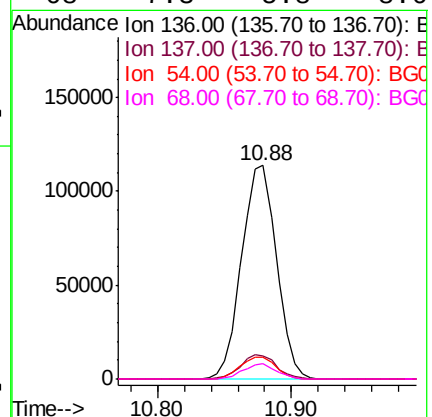
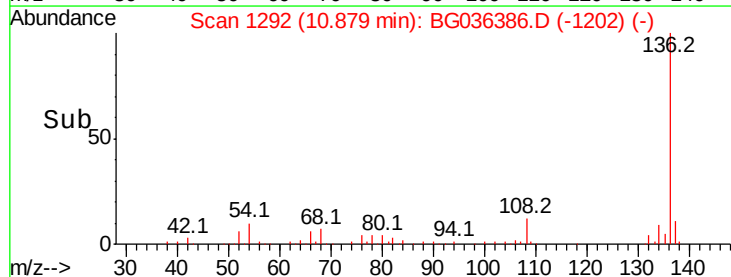
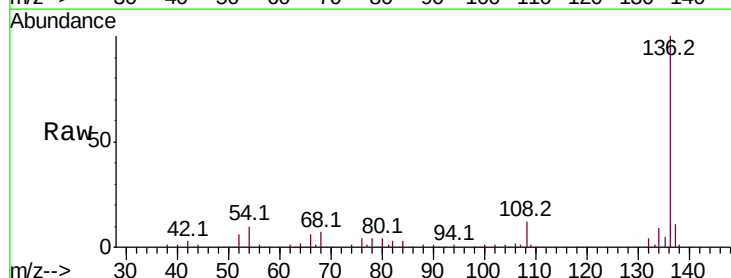
Ion Ratio Lower Upper

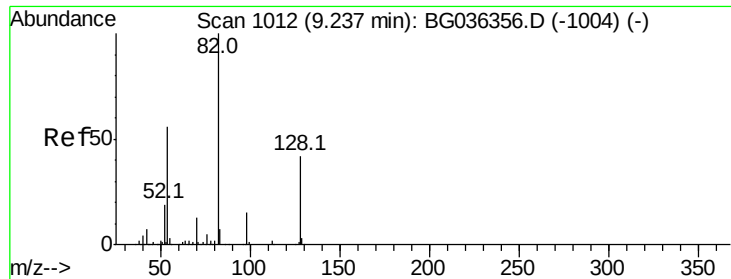
136 100

137 10.8 8.8 13.2

54 10.3 9.2 13.8

68 7.3 5.8 8.6

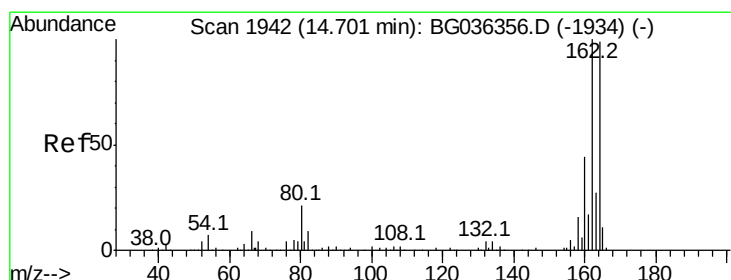
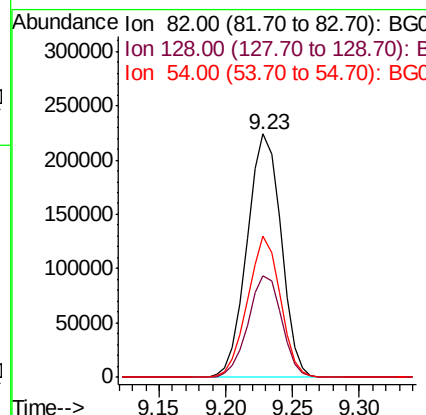
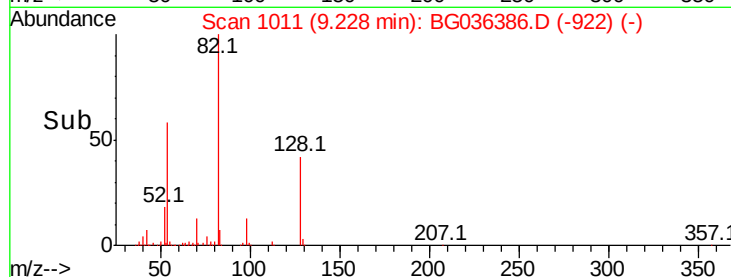
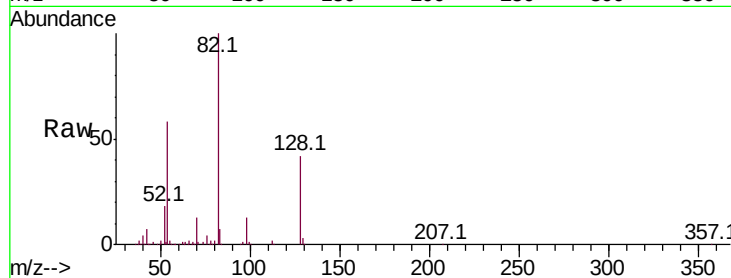




#23
Nitrobenzene-d5
Concen: 103.681 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036386.D
Acq: 23 Aug 2018 20:49

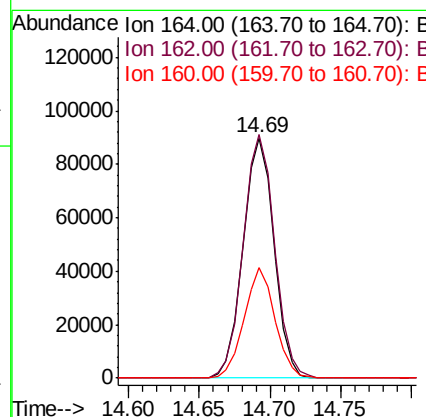
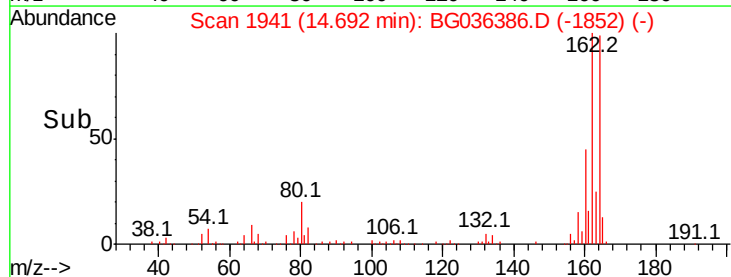
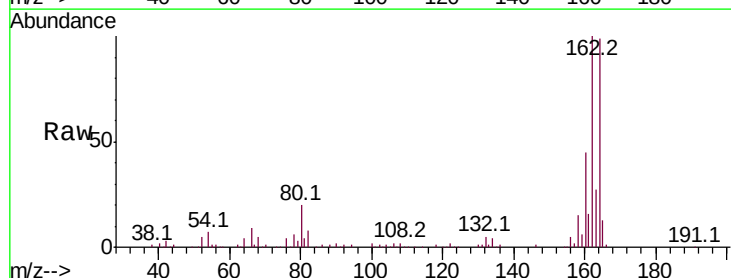
Instrument :
BNA_G
ClientSampled :

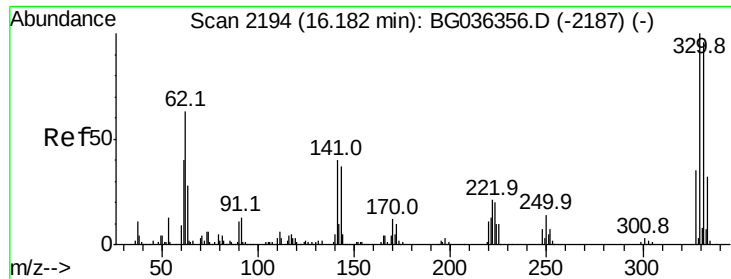
Tot Ion: 82 Resp: 393832
Ion Ratio Lower Upper
82 100
128 41.9 33.3 49.9
54 58.0 45.1 67.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG036386.D
Acq: 23 Aug 2018 20:49

Tgt Ion:164 Resp: 137206
Ion Ratio Lower Upper
164 100
162 101.3 80.7 121.1
160 45.7 35.3 52.9

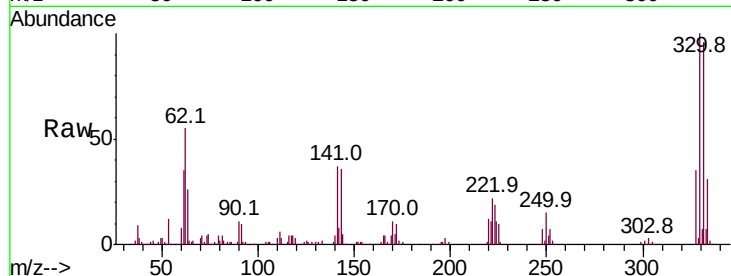




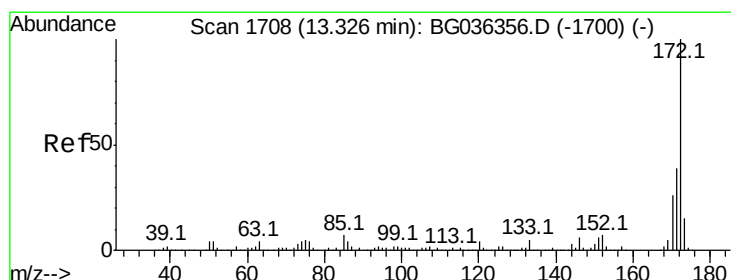
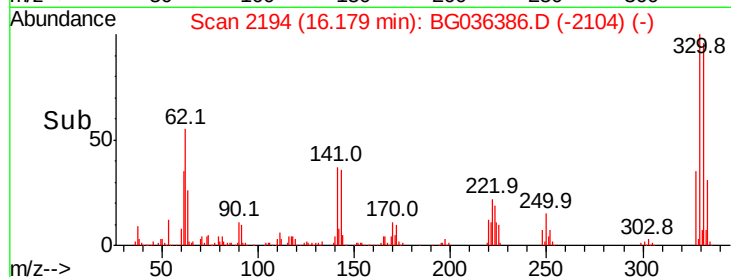
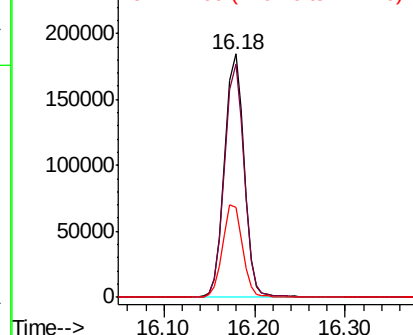
#41
 2,4,6-Tribromophenol
 Concen: 169.137 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG036386.D
 Acq: 23 Aug 2018 20:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.4	113.2
141	38.4	30.7	46.1

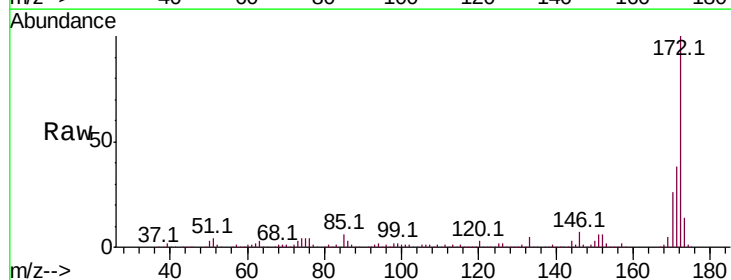


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

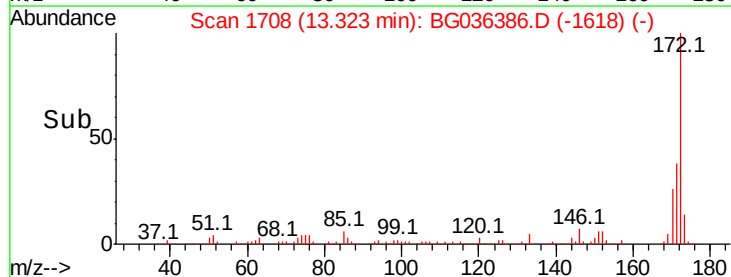
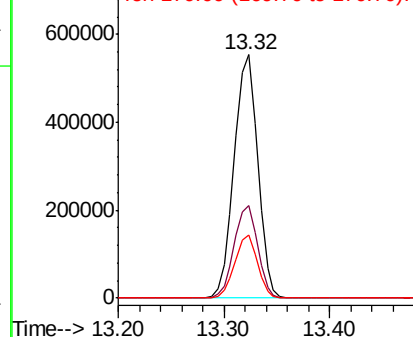


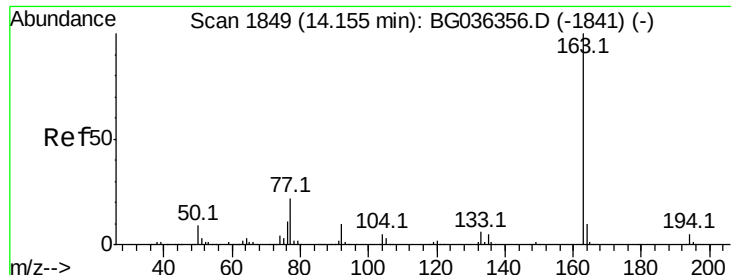
#44
 2-Fluorobiphenyl
 Concen: 88.766 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036386.D
 Acq: 23 Aug 2018 20:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.3	46.9
170	25.7	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: 7.342 ng

RT: 14.14 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BG036386.D

Acq: 23 Aug 2018 20:49

Instrument :

BNA_G

ClientSampleId :

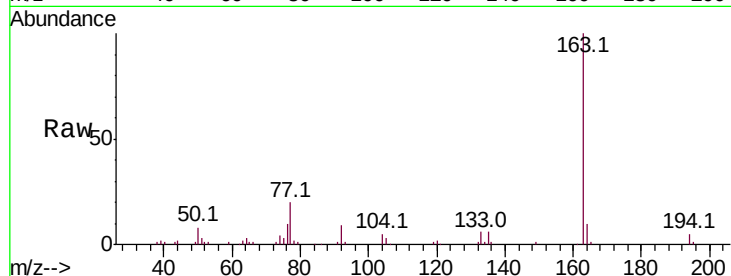
Tot Ion:163 Resp: 82256

Ion Ratio Lower Upper

163 100

194 4.7 4.0 6.0

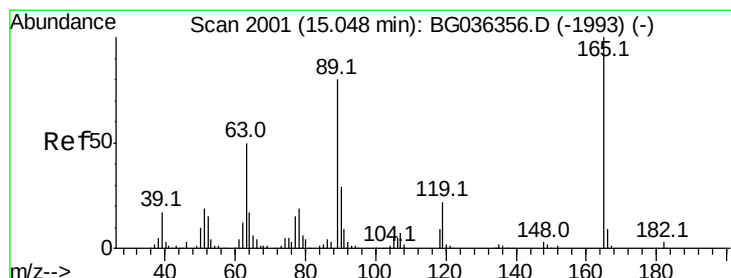
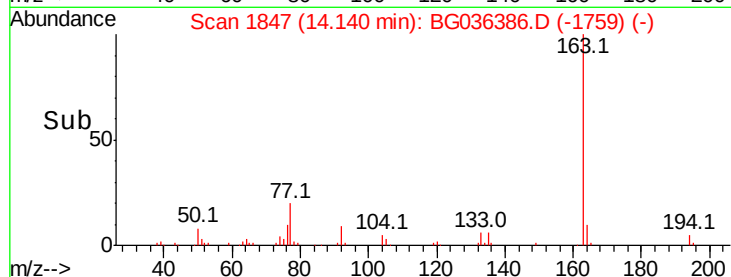
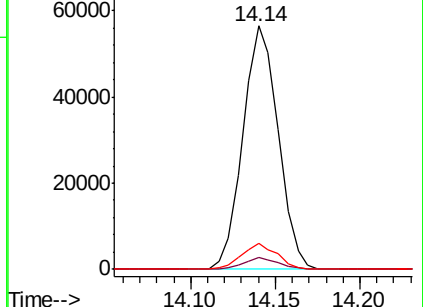
164 10.4 8.1 12.1



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



#56

2,4-Dinitrotoluene

Concen: 5.941 ng

RT: 14.69 min Scan# 1941

Delta R.T. -0.35 min

Lab File: BG036386.D

Acq: 23 Aug 2018 20:49

Tgt Ion:165 Resp: 17850

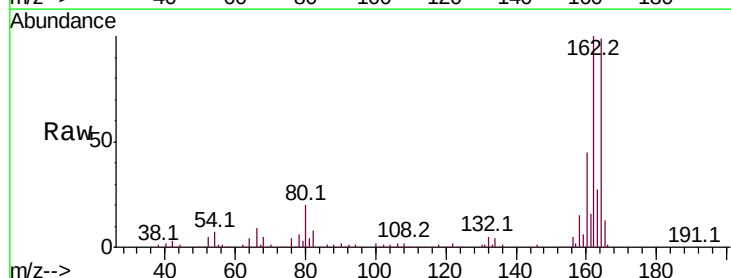
Ion Ratio Lower Upper

165 100

63 1.4 40.1 60.1#

89 0.0 63.7 95.5#

182 0.0 2.5 3.7#

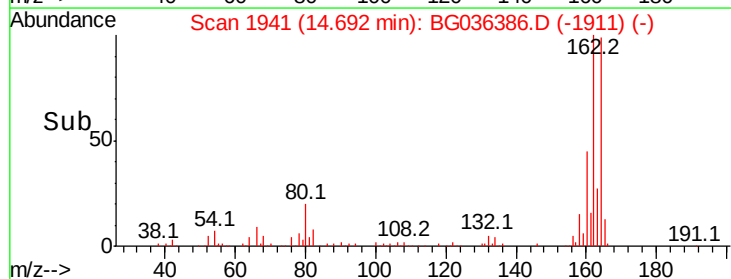
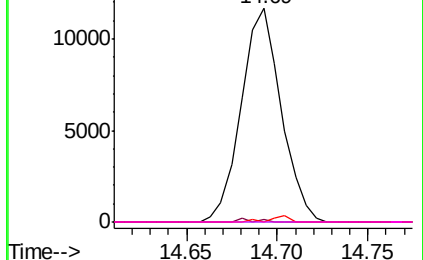


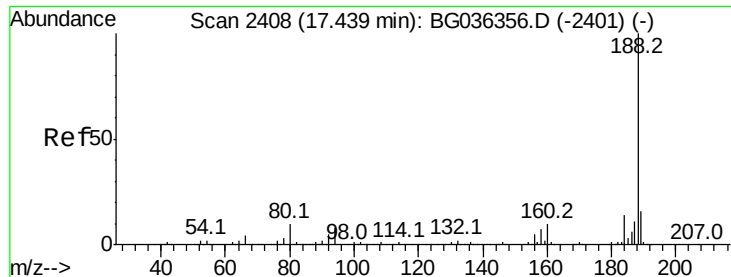
Abundance Ion 165.00 (164.70 to 165.70): E

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

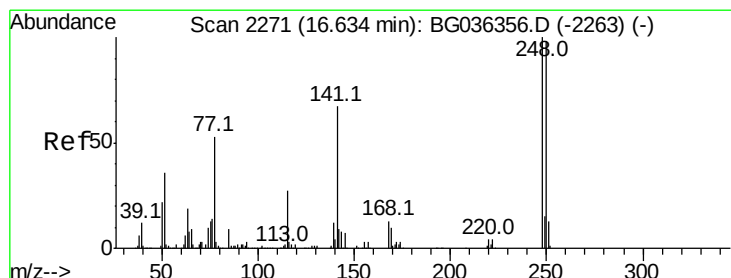
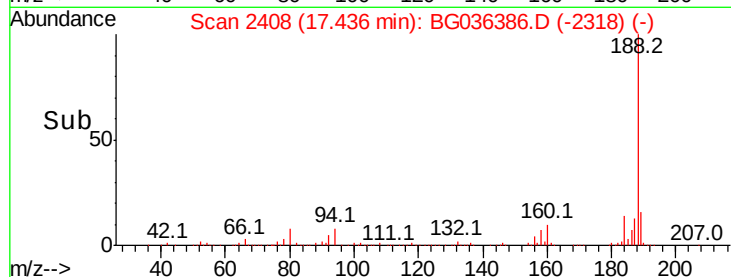
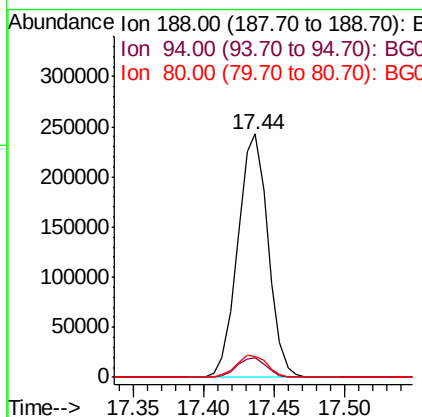
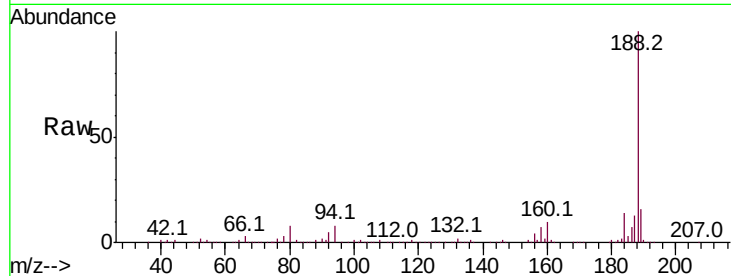




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG036386.D
 Acq: 23 Aug 2018 20:49

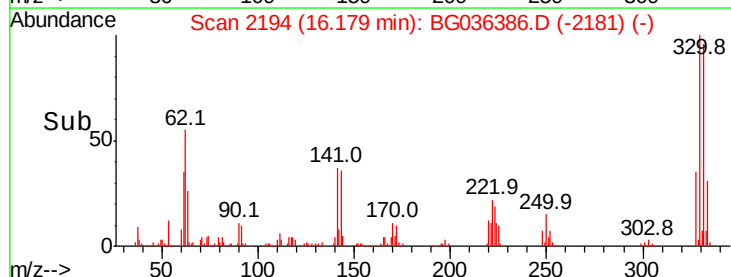
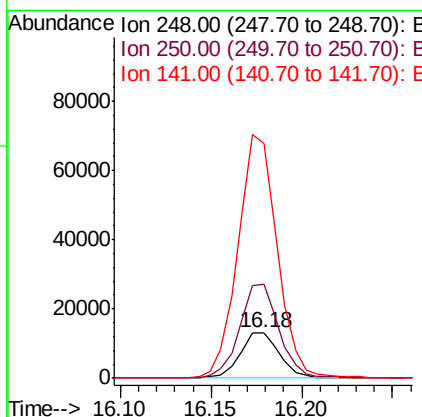
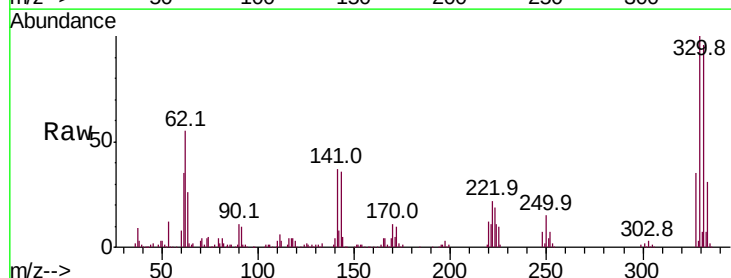
Instrument :
 BNA_G
 ClientSampleId :

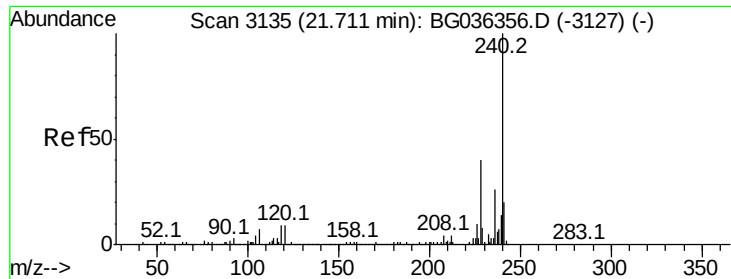
Tot Ion:188 Resp: 362824
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.7 10.1
 80 8.4 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 4.676 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.46 min
 Lab File: BG036386.D
 Acq: 23 Aug 2018 20:49

Tgt Ion:248 Resp: 19864
 Ion Ratio Lower Upper
 248 100
 250 204.1 78.1 117.1#
 141 512.1 53.7 80.5#

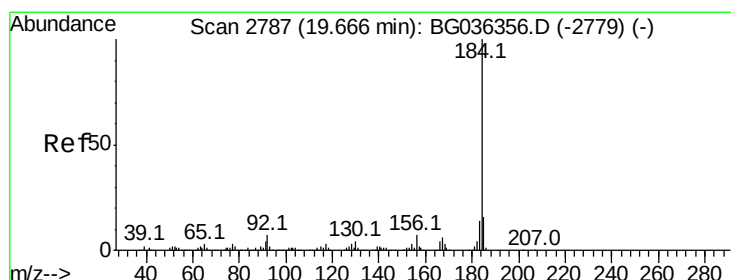
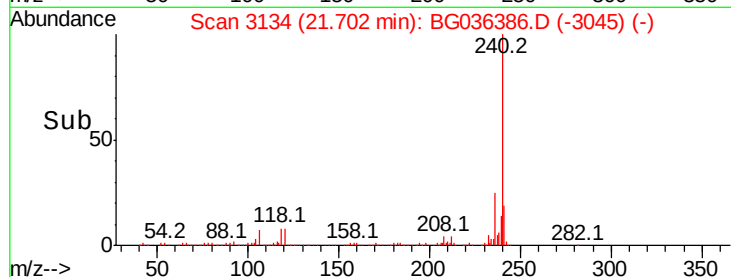
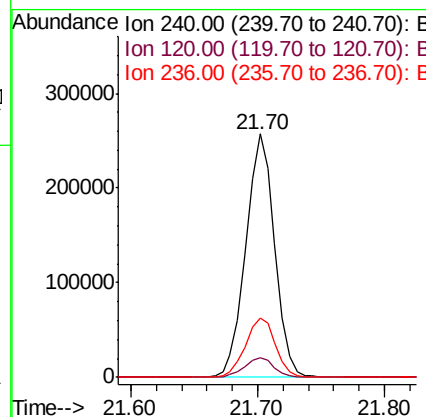
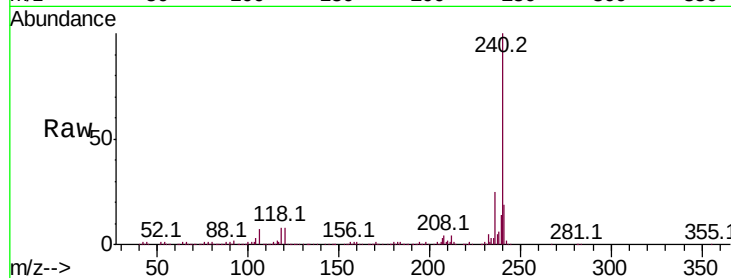




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3134
 Delta R.T. -0.01 min
 Lab File: BG036386.D
 Acq: 23 Aug 2018 20:49

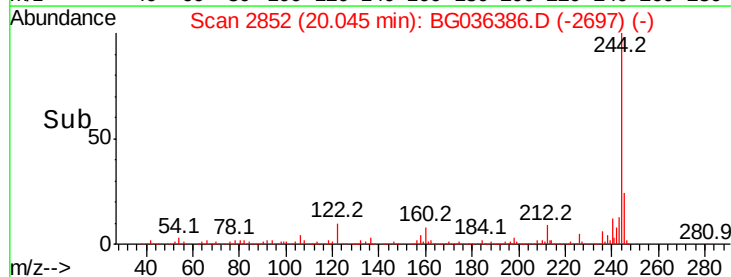
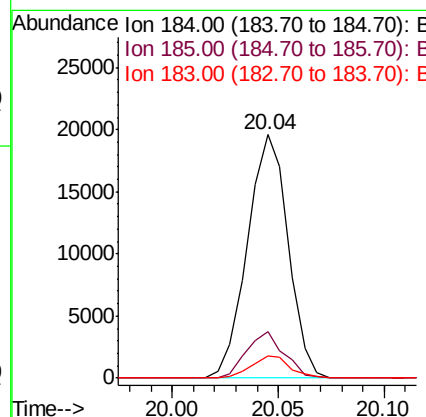
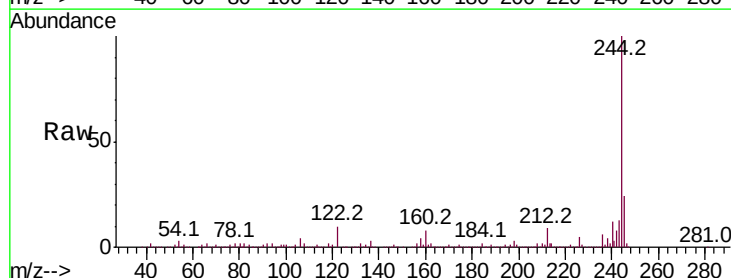
Instrument :
 BNA_G
 ClientSampleId :

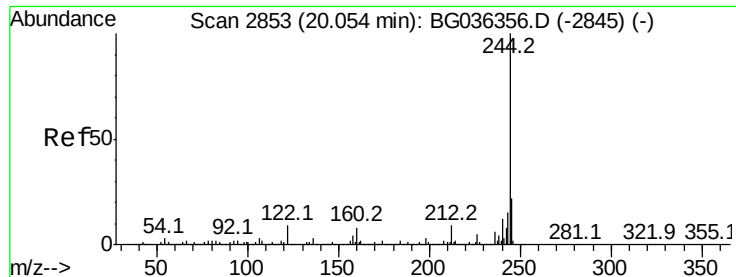
Tot Ion:240 Resp: 404282
 Ion Ratio Lower Upper
 240 100
 120 7.8 6.9 10.3
 236 24.5 21.2 31.8



#76
 Benzidine
 Concen: 2.030 ng
 RT: 20.04 min Scan# 2852
 Delta R.T. 0.38 min
 Lab File: BG036386.D
 Acq: 23 Aug 2018 20:49

Tgt Ion:184 Resp: 26189
 Ion Ratio Lower Upper
 184 100
 185 19.4 12.6 18.8#
 183 9.2 10.9 16.3#





#78

Terphenyl-d14

Concen: 85.696 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036386.D

Acq: 23 Aug 2018 20:49

Instrument :

BNA_G

ClientSampled :

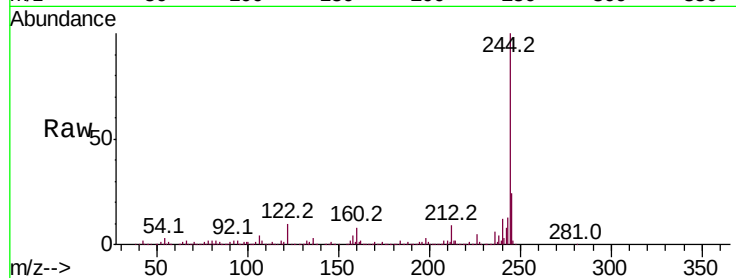
Tot Ion:244 Resp: 1482261

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

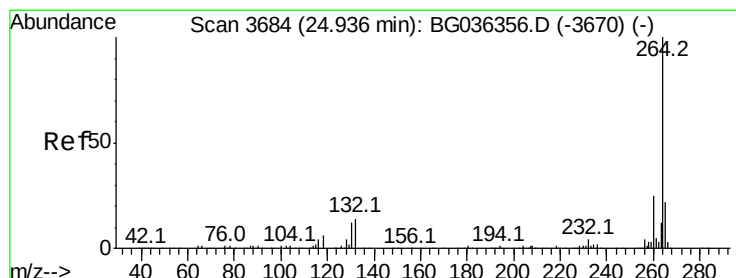
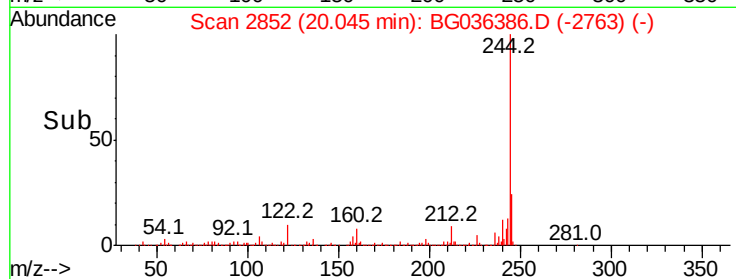
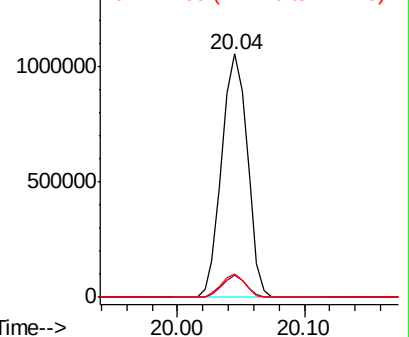
122 9.6 7.1 10.7



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. -0.01 min

Lab File: BG036386.D

Acq: 23 Aug 2018 20:49

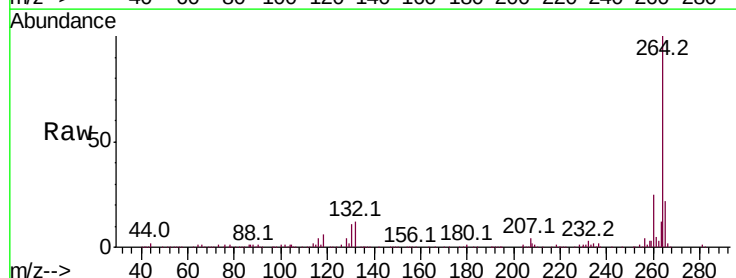
Tgt Ion:264 Resp: 409824

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

265 22.1 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

