

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038390.D
 Acq On : 6 Dec 2018 19:51
 Operator : JU/SJ
 Sample : J6003-23DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 06 21:05:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	46993	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	125959	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	82171	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	237492	20.00	ng	0.00
76) Chrysene-d12	21.73	240	214332	20.00	ng	-0.01
87) Perylene-d12	25.04	264	221535	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	64531	24.30	ng	0.00
7) Phenol-d6	7.21	99	69748	18.17	ng	-0.01
23) Nitrobenzene-d5	9.25	82	90865	35.82	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	58504	58.00	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	218478	37.89	ng	0.00
79) Terphenyl-d14	20.05	244	400660	40.05	ng	0.00

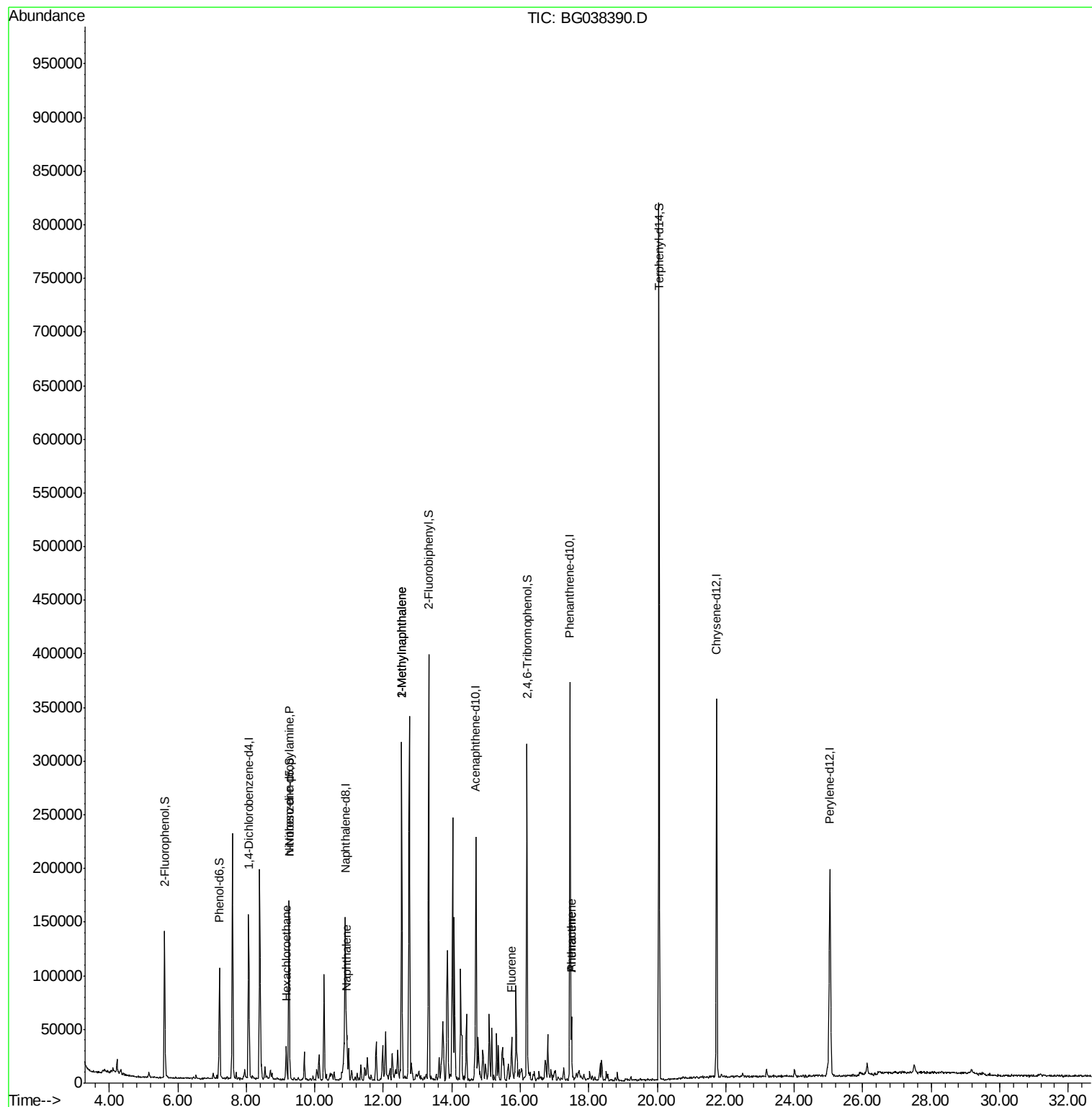
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.17	117	5483	4.073	ng	# 1
19) n-Nitroso-di-n-propylamine	9.25	70	11504	2.106	ng	# 80
22) Acetophenone	8.90	105	960	Below Cal		# 78
31) Naphthalene	10.94	128	29717	4.939	ng	98
37) 2-Methylnaphthalene	12.54	142	156678	36.566	ng	98
38) 1-Methylnaphthalene	12.54	142	156678	38.178	ng	96
58) Fluorene	15.75	166	17328	2.956	ng	98
71) Phenanthrene	17.49	178	39234	3.299	ng	99
72) Anthracene	17.49	178	39234	3.406	ng	97

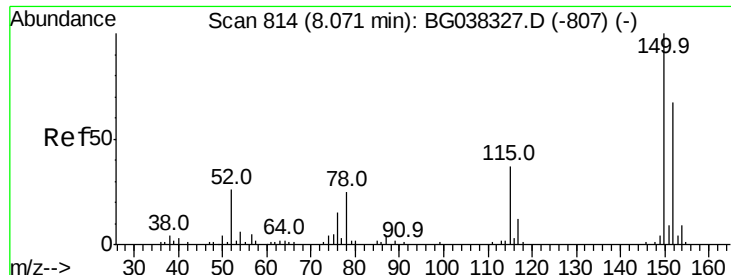
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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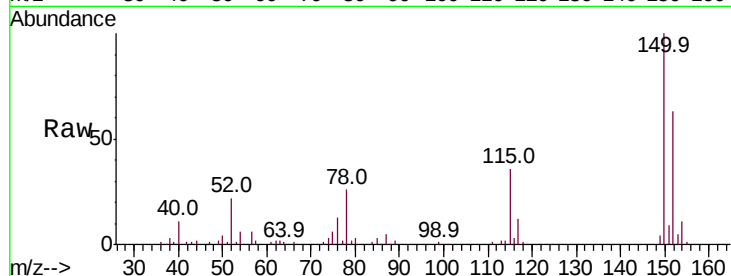


#1

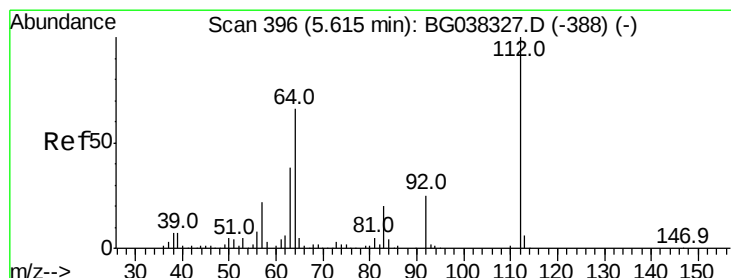
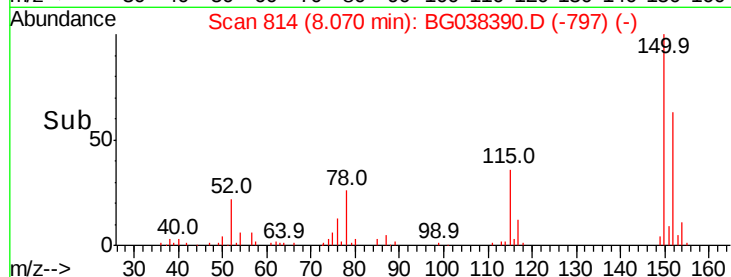
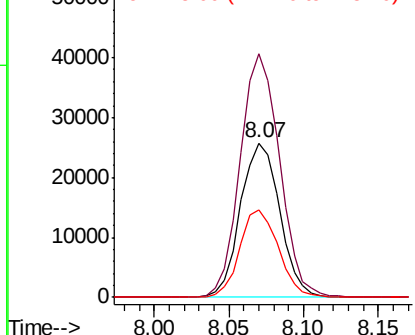
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.00 min
Lab File: BG038390.D
Acq: 6 Dec 2018 19:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 46993
Ion Ratio Lower Upper
152 100
150 157.6 126.0 189.0
115 56.6 45.5 68.3



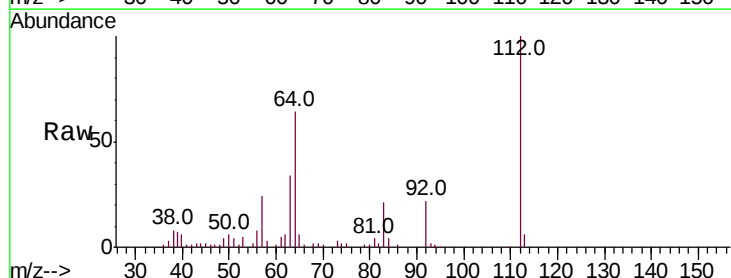
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



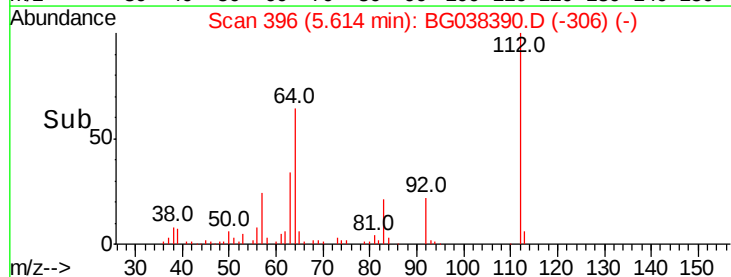
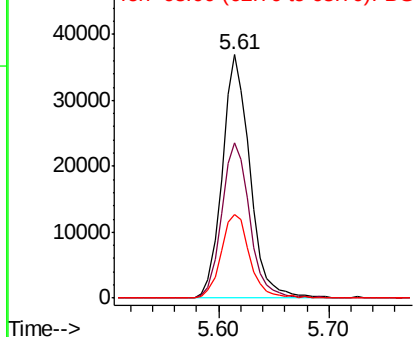
#5

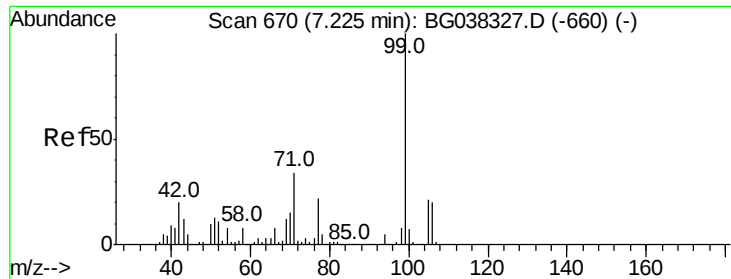
2-Fluorophenol
Concen: 24.301 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG038390.D
Acq: 6 Dec 2018 19:51

Tgt Ion:112 Resp: 64531
Ion Ratio Lower Upper
112 100
64 64.0 53.1 79.7
63 34.4 27.3 40.9



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: 18.173 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038390.D

Acq: 6 Dec 2018 19:51

Instrument :

BNA_G

ClientSampled :

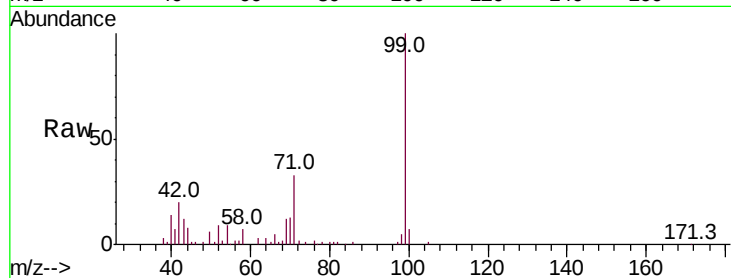
Tot Ion: 99 Resp: 69748

Ion Ratio Lower Upper

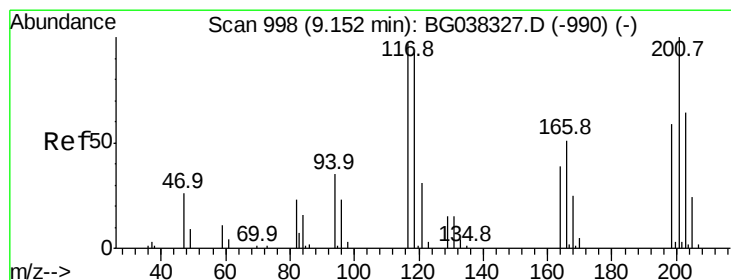
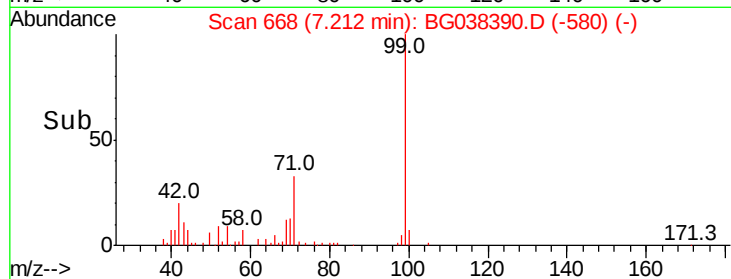
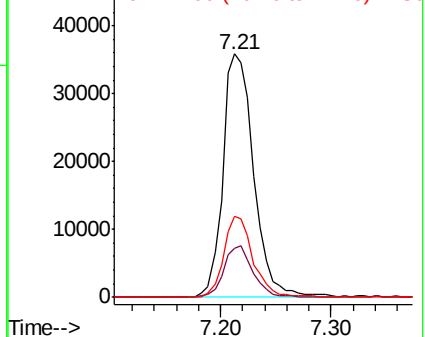
99 100

42 20.2 15.0 22.4

71 33.1 25.5 38.3



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: 4.073 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.02 min

Lab File: BG038390.D

Acq: 6 Dec 2018 19:51

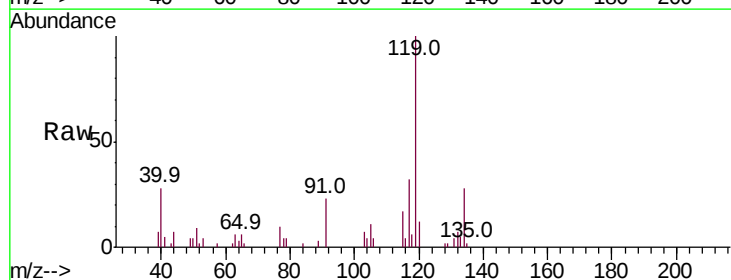
Tgt Ion: 117 Resp: 5483

Ion Ratio Lower Upper

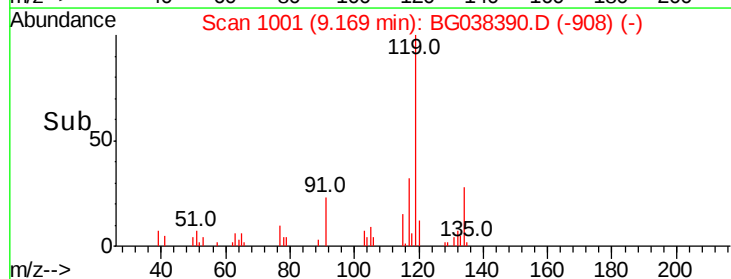
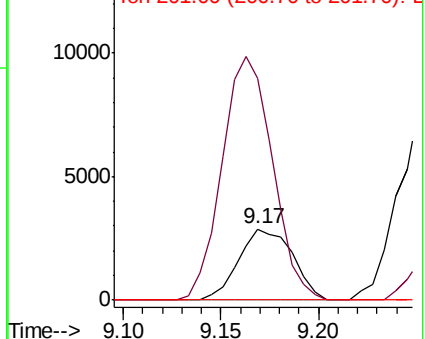
117 100

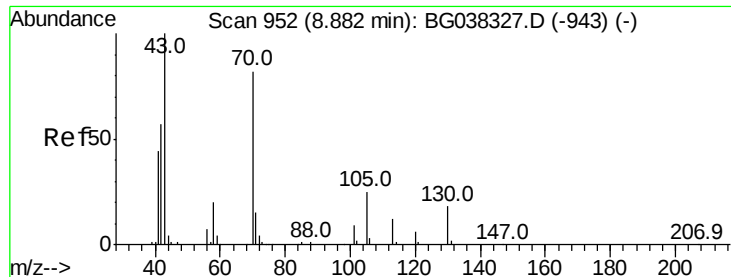
119 311.5 74.6 111.8#

201 0.0 80.8 121.2#



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

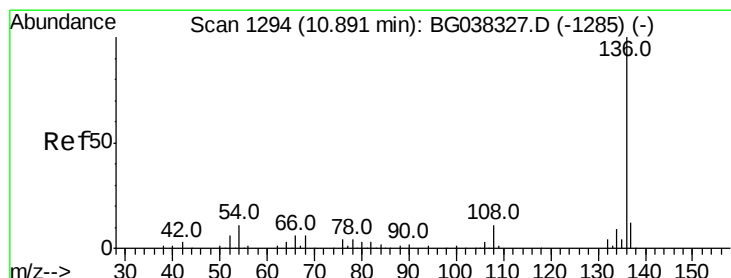
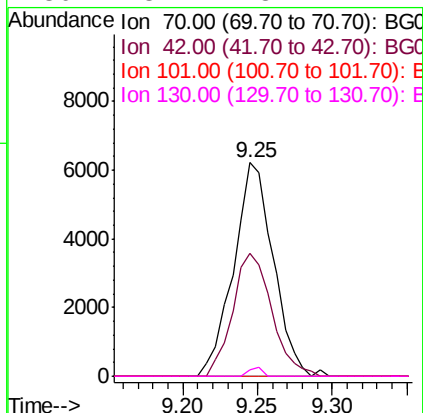
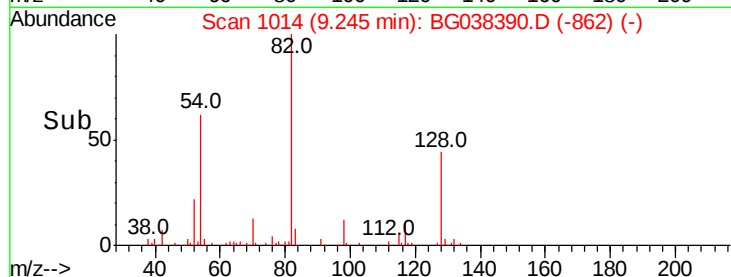
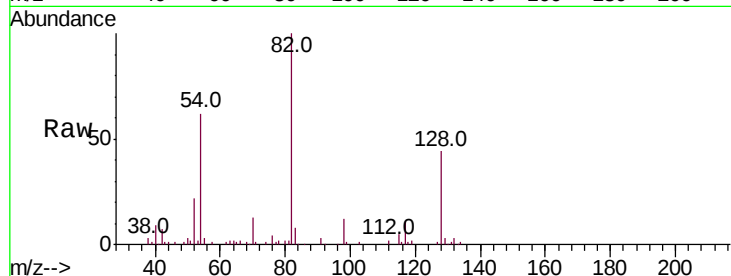




#19
n-Nitroso-di-n-propylamine
Concen: 2.106 ng
RT: 9.25 min Scan# 1014
Delta R.T. 0.36 min
Lab File: BG038390.D
Acq: 6 Dec 2018 19:51

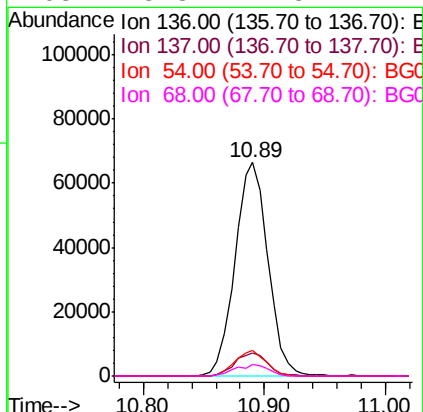
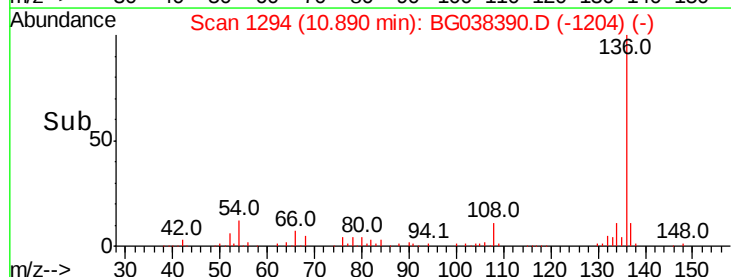
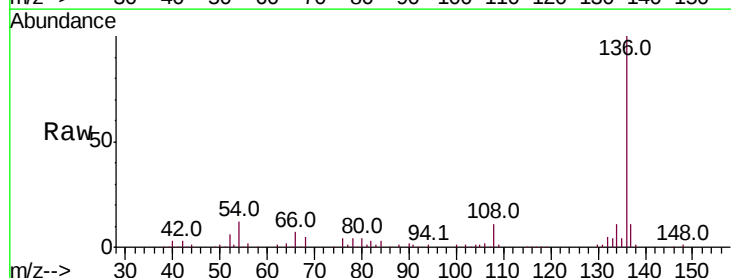
Instrument :
BNA_G
ClientSampleId :

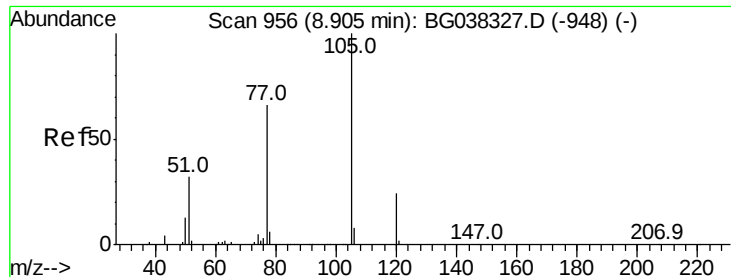
Tot Ion: 70 Resp: 11504
Ion Ratio Lower Upper
70 100
42 57.4 53.9 80.9
101 0.0 8.2 12.2#
130 3.2 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG038390.D
Acq: 6 Dec 2018 19:51

Tgt Ion: 136 Resp: 125959
Ion Ratio Lower Upper
136 100
137 11.0 9.6 14.4
54 11.8 7.9 11.9
68 5.3 4.8 7.2





#22

Acetophenone

Concen: Below Cal

RT: 8.90 min Scan# 956

Delta R.T. -0.00 min

Lab File: BG038390.D

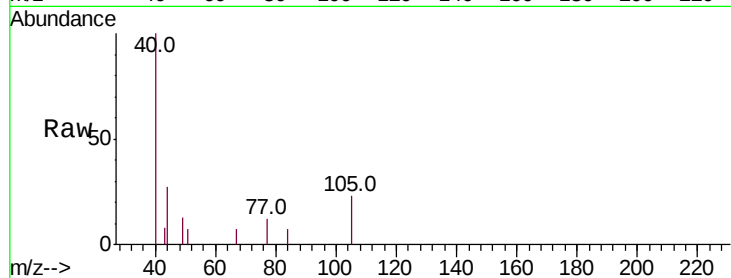
Acq: 6 Dec 2018 19:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	105	Resp:	960
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	29.6	25.0	37.6
120	0.0	18.6	28.0#



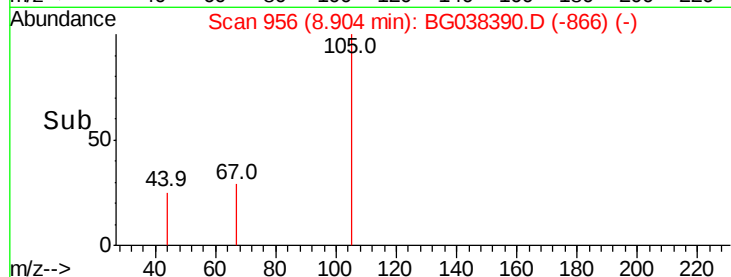
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

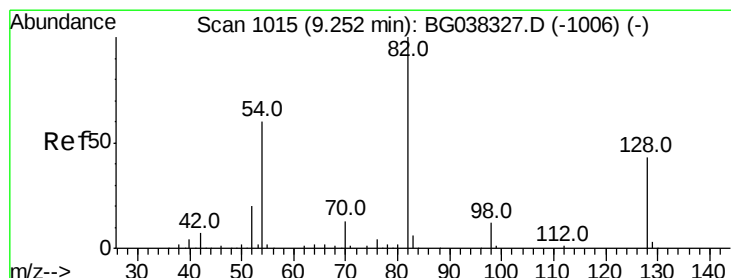
Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

Time--> 8.85 8.90 8.95



Time--> 8.85 8.90 8.95



#23

Nitrobenzene-d5

Concen: 35.815 ng

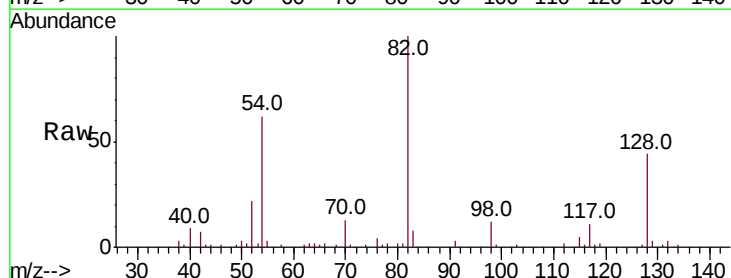
RT: 9.25 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BG038390.D

Acq: 6 Dec 2018 19:51

Tgt Ion:	82	Resp:	90865
Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	51.8
54	61.9	45.3	67.9

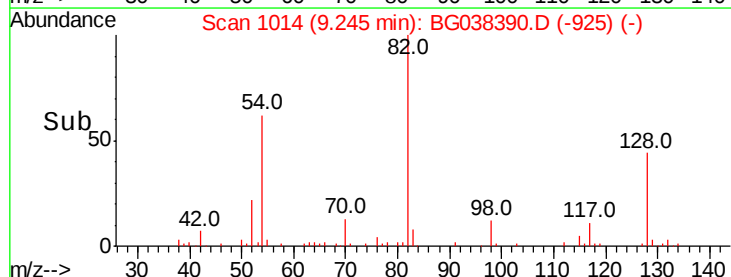


Abundance Ion 82.00 (81.70 to 82.70): BGC

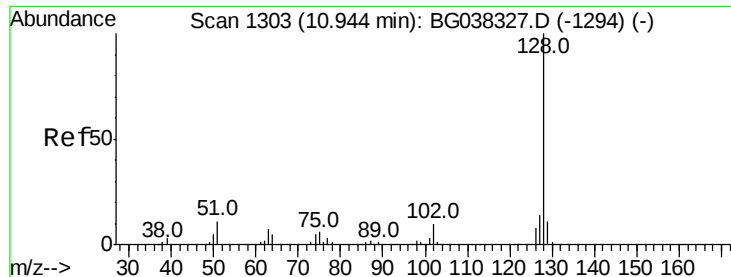
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

Time--> 9.20 9.30 9.40



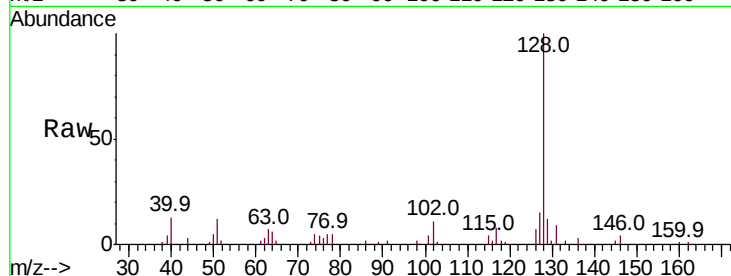
Time--> 9.20 9.30 9.40



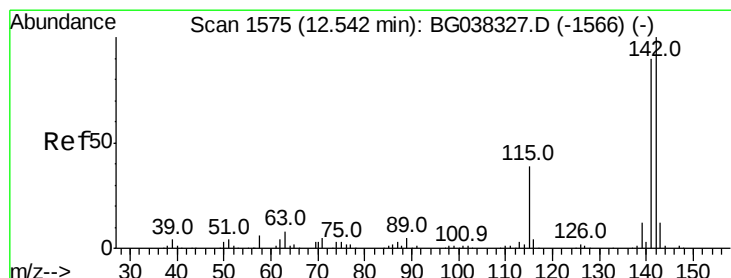
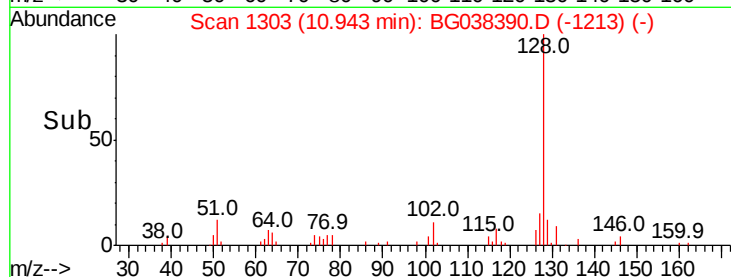
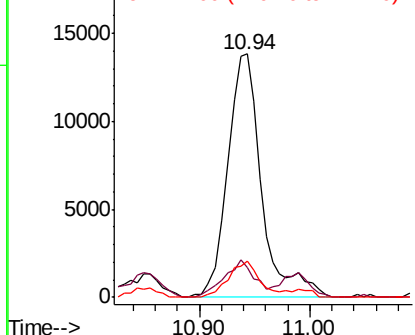
#31
Naphthalene
Concen: 4.939 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BG038390.D
Acq: 6 Dec 2018 19:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.0	13.6
127	15.0	11.1	16.7

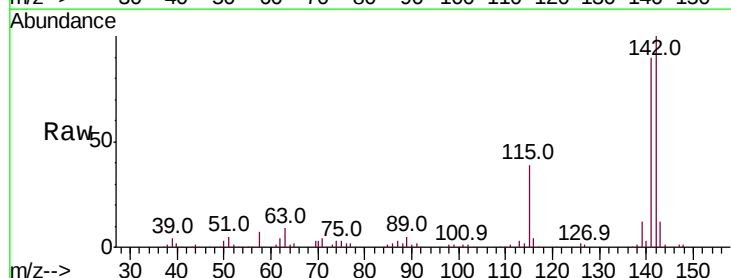


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

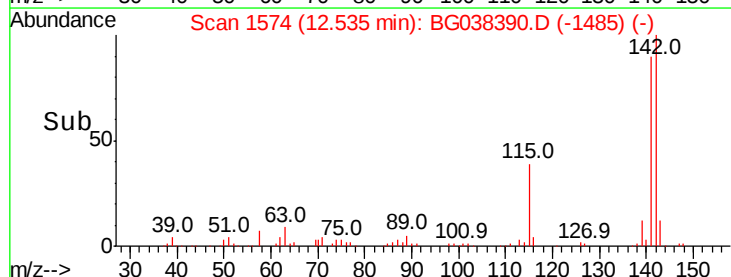
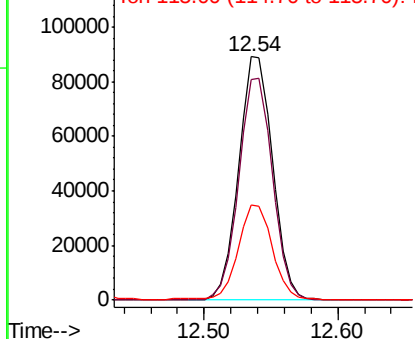


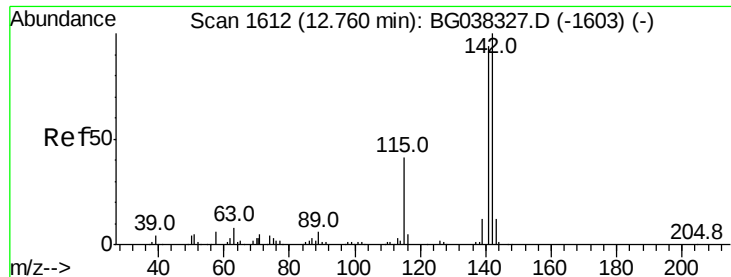
#37
2-Methylnaphthalene
Concen: 36.566 ng
RT: 12.54 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BG038390.D
Acq: 6 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.9	107.9
115	39.1	27.8	41.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

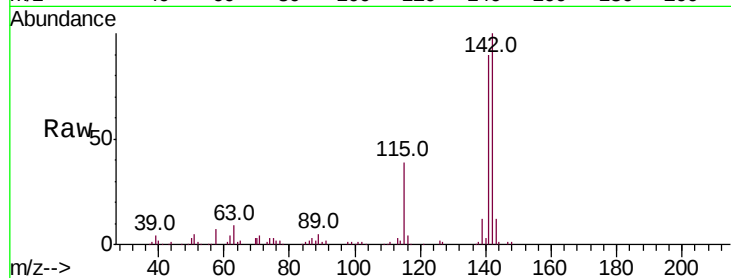




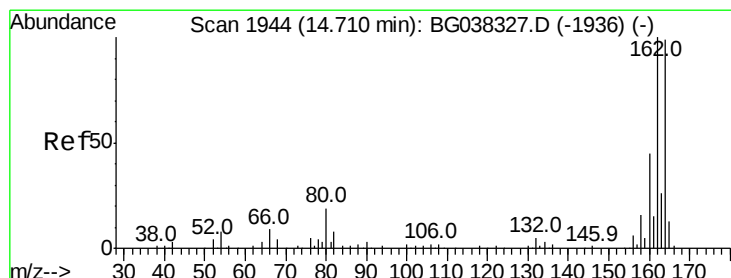
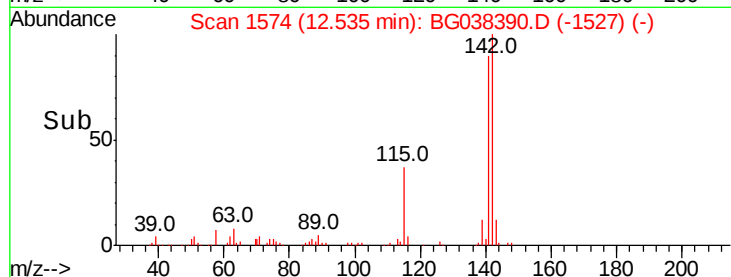
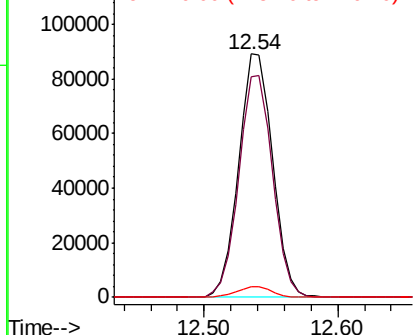
#38
1-Methylnaphthalene
Concen: 38.178 ng
RT: 12.54 min Scan# 1574
Delta R.T. -0.22 min
Lab File: BG038390.D
Acq: 6 Dec 2018 19:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	75.2	112.8
116	4.3	3.3	4.9

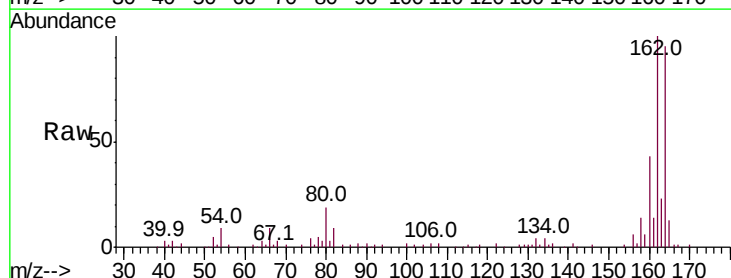


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

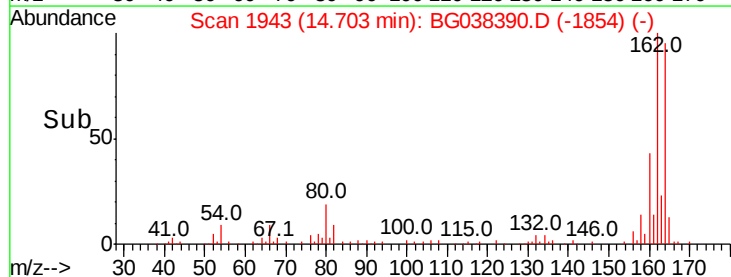
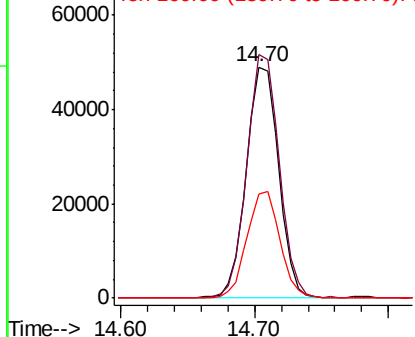


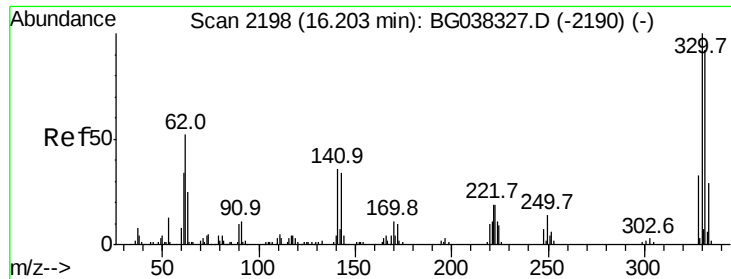
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BG038390.D
Acq: 6 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	81.3	121.9
160	45.2	36.3	54.5



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

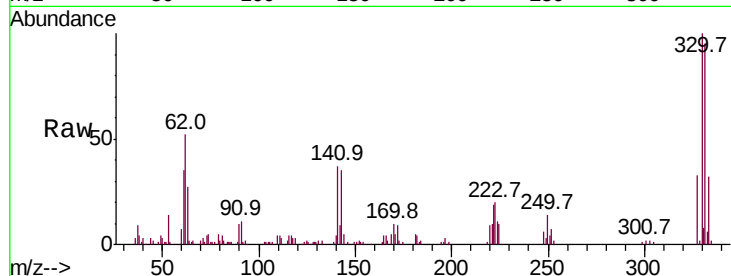




#42
 2,4,6-Tribromophenol
 Concen: 57.997 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BG038390.D
 Acq: 6 Dec 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.4	117.6
141	40.0	32.2	48.2

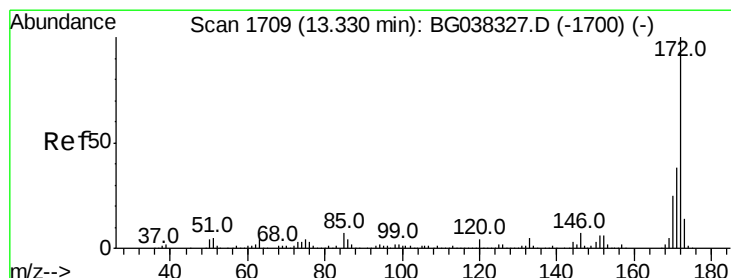
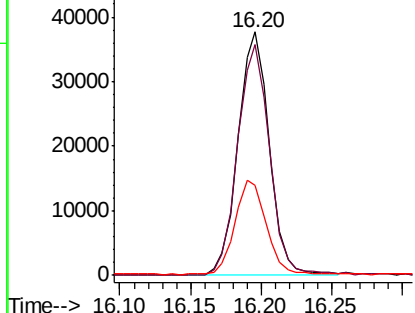
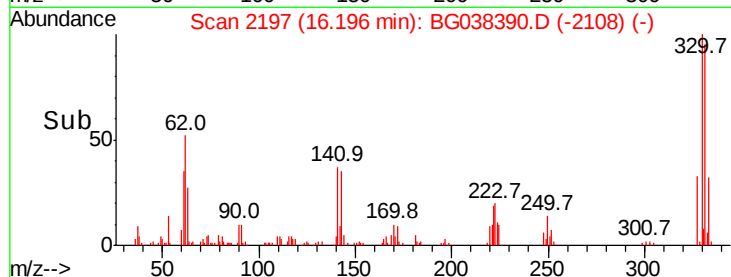


Abundance

Ion 329.80 (329.50 to 330.50): E

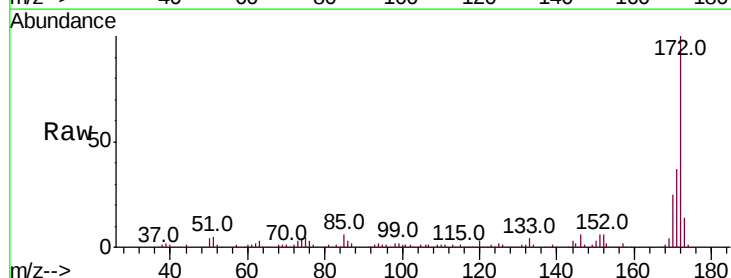
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 37.886 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG038390.D
 Acq: 6 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	31.0	46.4
170	24.7	20.2	30.2

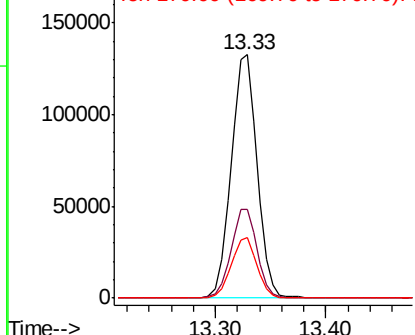
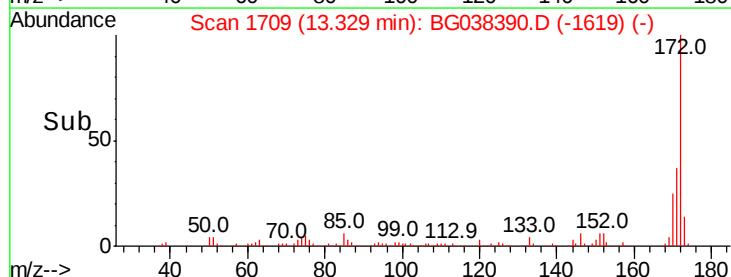


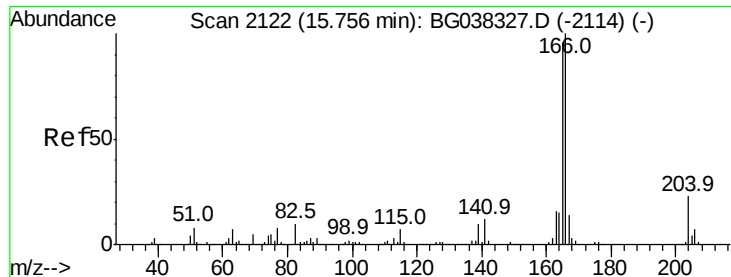
Abundance

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

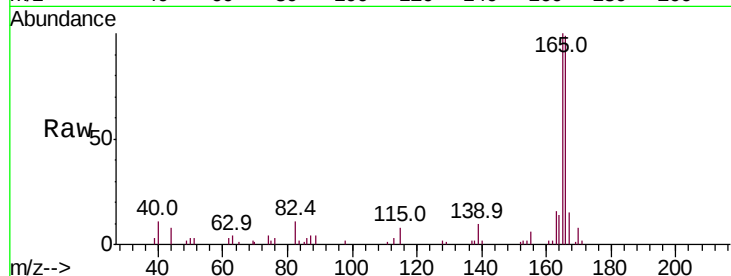




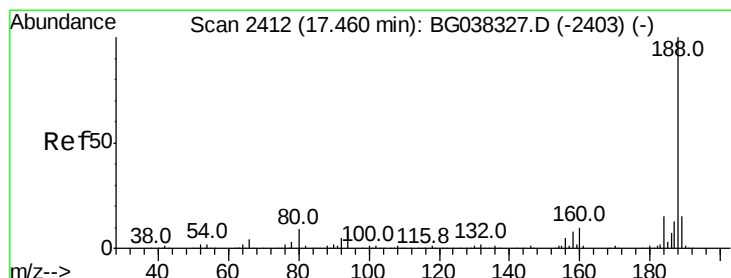
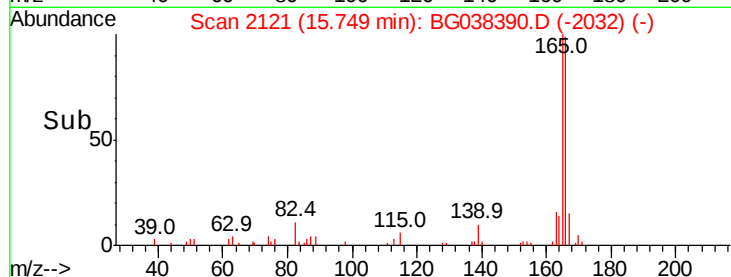
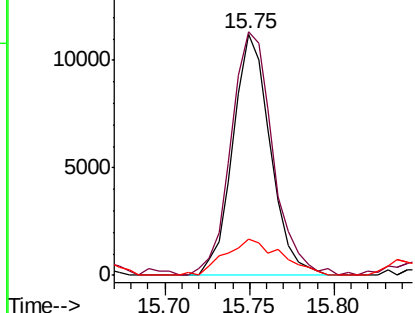
#58
Fluorene
 Concen: 2.956 ng
 RT: 15.75 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BG038390.D
 Acq: 6 Dec 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:166 Resp: 17328
 Ion Ratio Lower Upper
 166 100
 165 100.9 79.0 118.6
 167 15.3 11.3 16.9

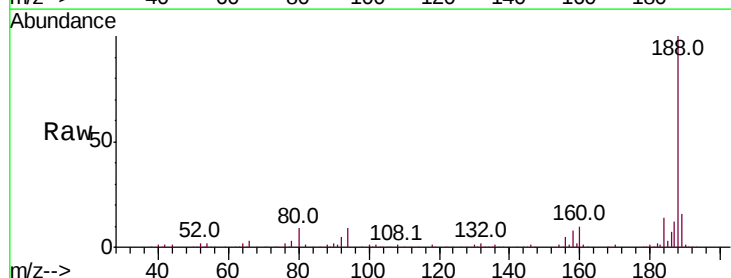


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

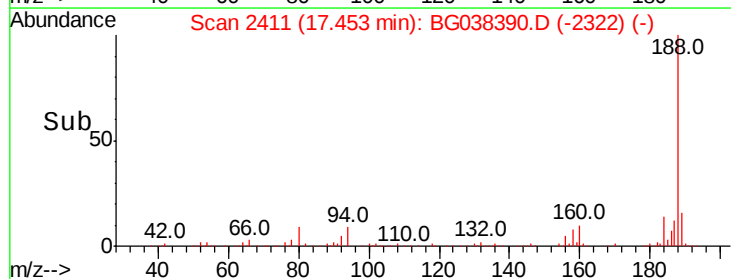
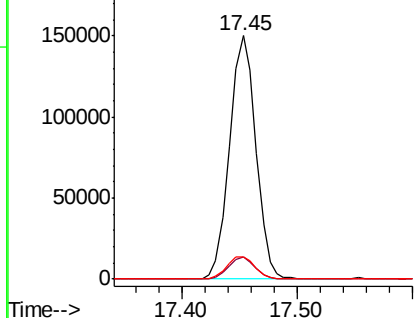


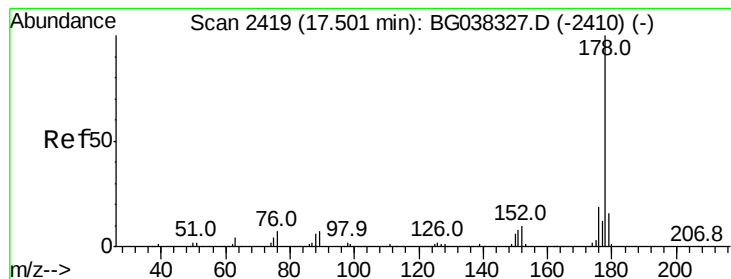
#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038390.D
 Acq: 6 Dec 2018 19:51

Tgt Ion:188 Resp: 237492
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.2 10.8
 80 9.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG





#71

Phenanthrene

Concen: 3.299 ng

RT: 17.49 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BG038390.D

Acq: 6 Dec 2018 19:51

Instrument :

BNA_G

ClientSampleId :

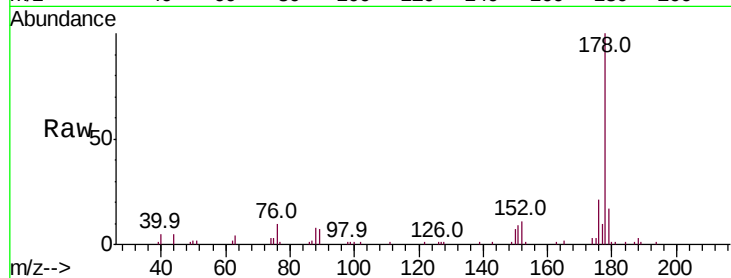
Tot Ion:178 Resp: 39234

Ion Ratio Lower Upper

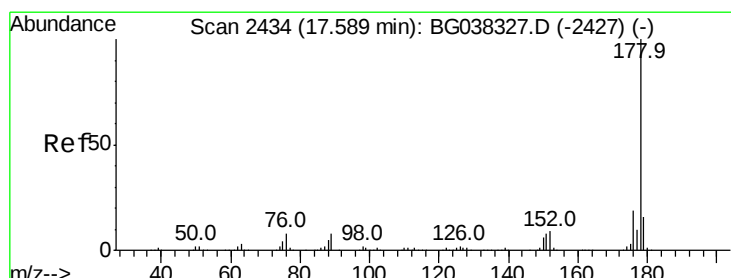
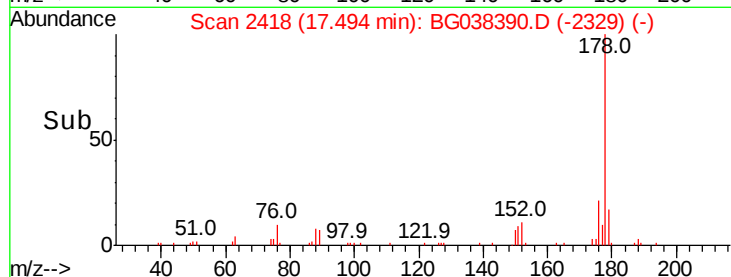
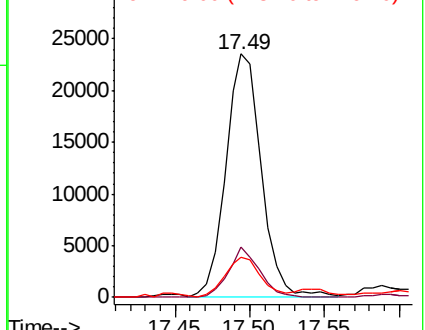
178 100

176 20.7 16.1 24.1

179 16.7 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.406 ng

RT: 17.49 min Scan# 2418

Delta R.T. -0.09 min

Lab File: BG038390.D

Acq: 6 Dec 2018 19:51

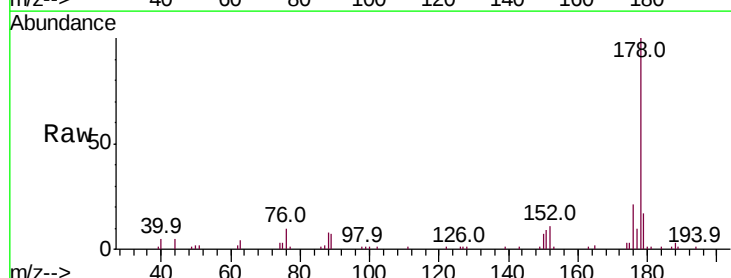
Tgt Ion:178 Resp: 39234

Ion Ratio Lower Upper

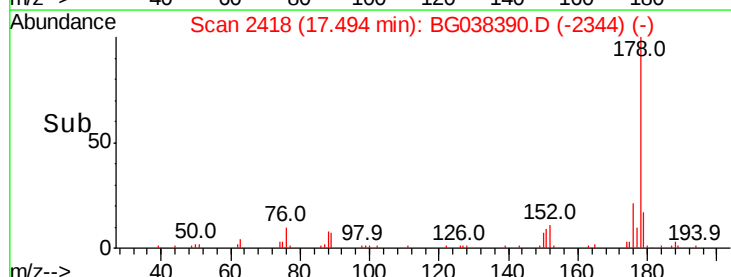
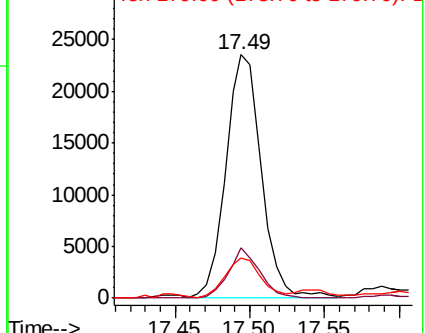
178 100

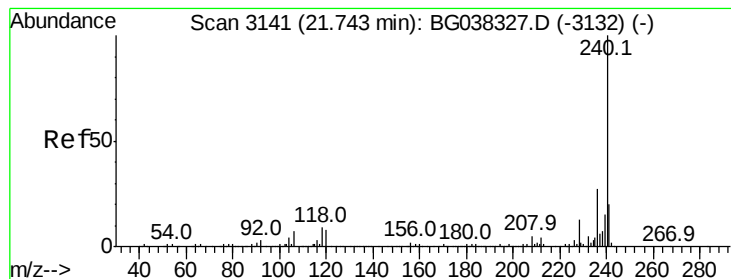
176 20.7 15.0 22.4

179 16.7 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG038390.D

Acq: 6 Dec 2018 19:51

Instrument :

BNA_G

ClientSampleId :

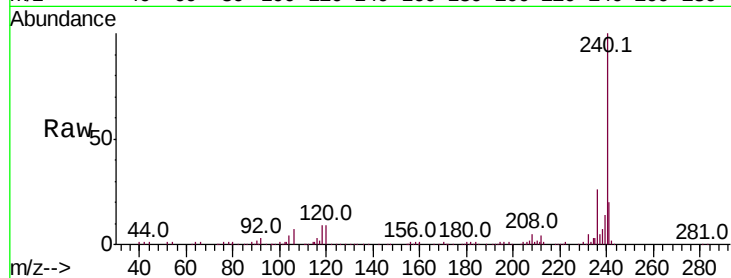
Tot Ion:240 Resp: 214332

Ion Ratio Lower Upper

240 100

120 9.0 8.1 12.1

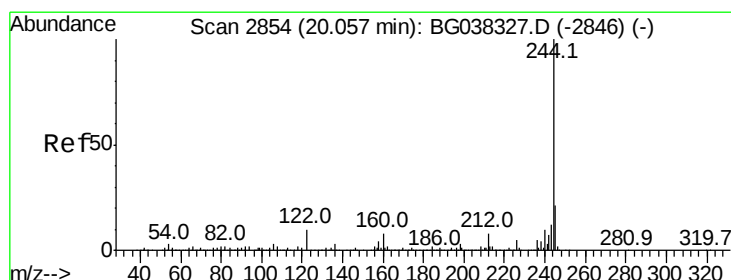
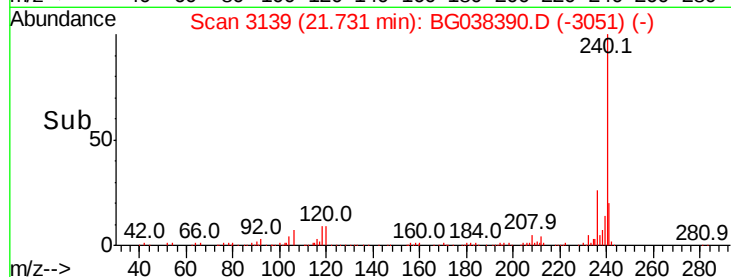
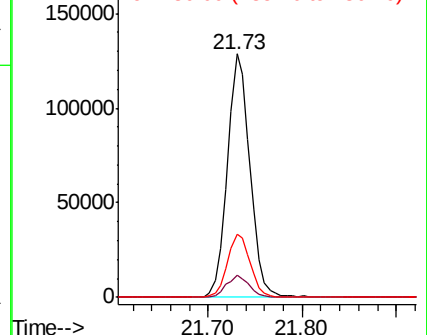
236 25.8 21.4 32.0



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



#79

Terphenyl-d14

Concen: 40.046 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038390.D

Acq: 6 Dec 2018 19:51

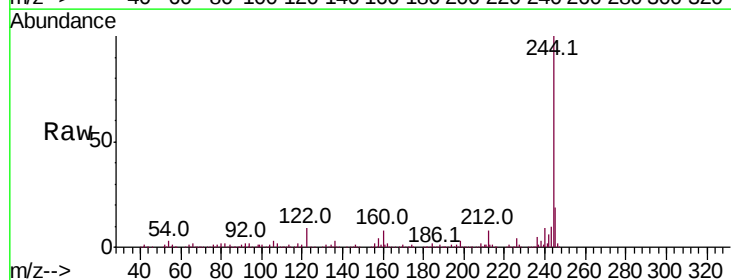
Tgt Ion:244 Resp: 400660

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

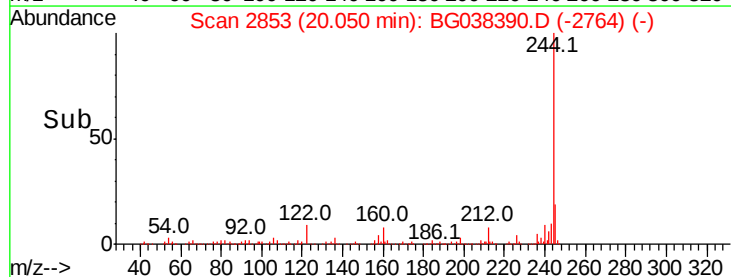
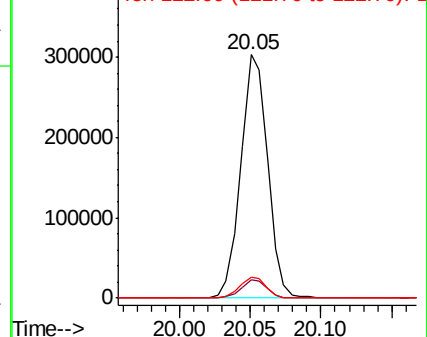
122 8.6 9.0 13.4#

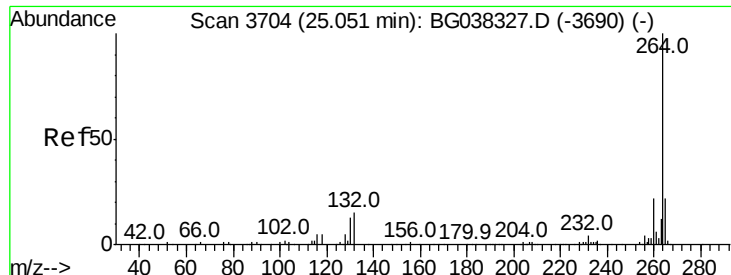


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

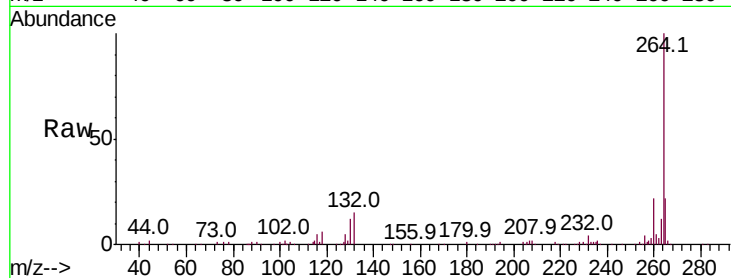




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.04 min Scan# 3702
 Delta R.T. -0.01 min
 Lab File: BG038390.D
 Acq: 6 Dec 2018 19:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.4
265	21.7	17.9	26.9



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

