

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120618\
 Data File : BG038401.D
 Acq On : 7 Dec 2018 3:42
 Operator : JU/SJ
 Sample : J6255-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 07 04:32:42 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

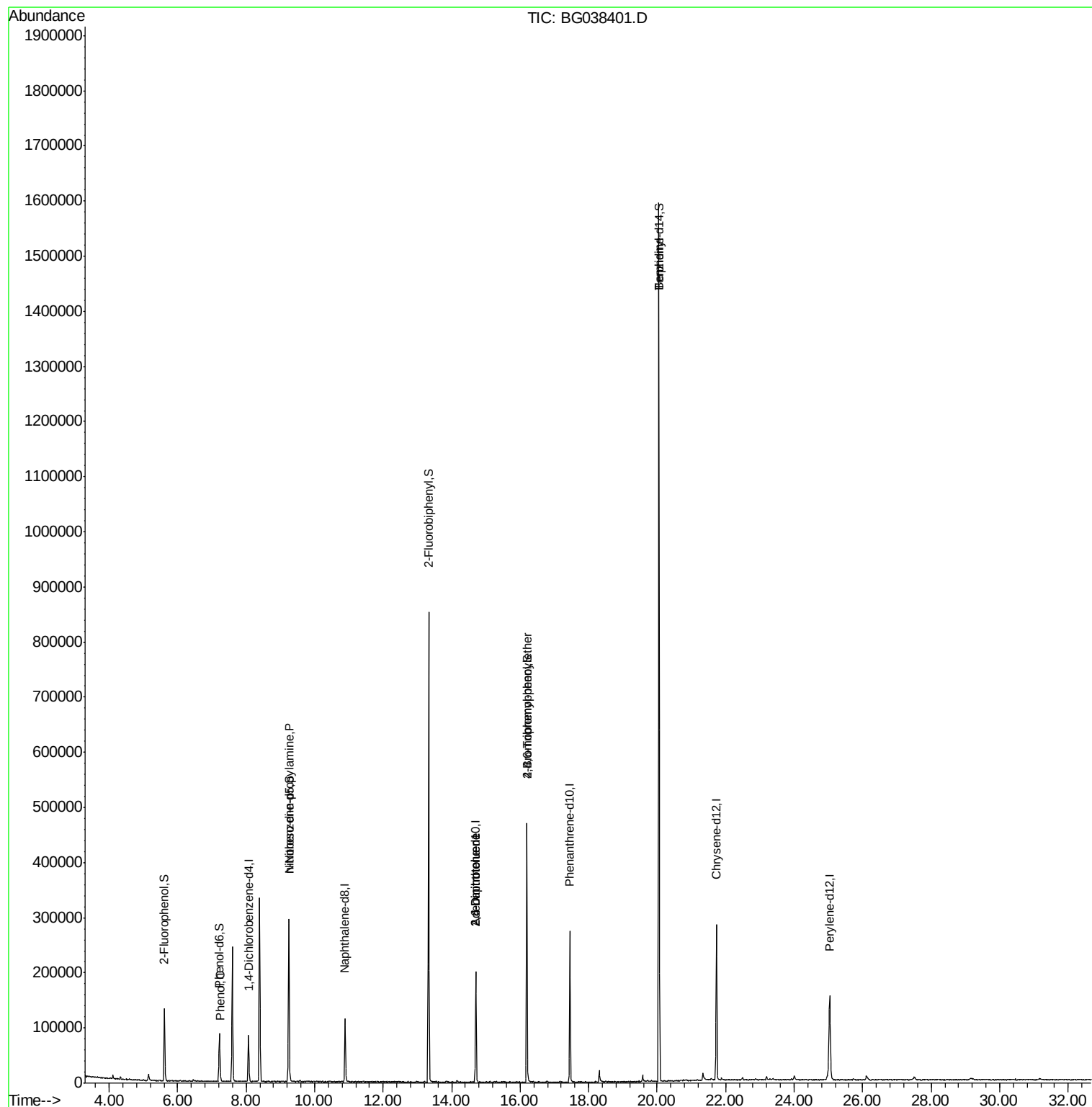
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	23634	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	105247	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	71692	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	183303	20.00	ng	0.00
76) Chrysene-d12	21.73	240	174090	20.00	ng	0.00
87) Perylene-d12	25.04	264	182266	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	59502	44.55	ng	0.00
7) Phenol-d6	7.22	99	53345	27.64	ng	0.00
23) Nitrobenzene-d5	9.25	82	185948	87.72	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	88256	100.28	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	454653	90.36	ng	0.00
79) Terphenyl-d14	20.05	244	767829	94.48	ng	0.00
Target Compounds						
10) Phenol	7.24	94	8665	4.249	ng	90
19) n-Nitroso-di-n-propylamine	9.24	70	24488	16.100	ng	# 75
51) 2,6-Dinitrotoluene	14.70	165	8889	6.767	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	8889	4.906	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	6241	3.153	ng	# 1
77) Benzidine	20.05	184	13764	2.343	ng	# 92

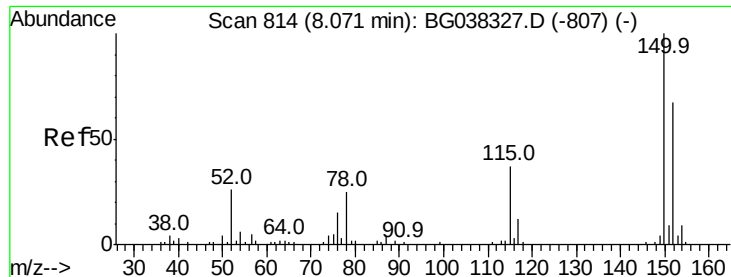
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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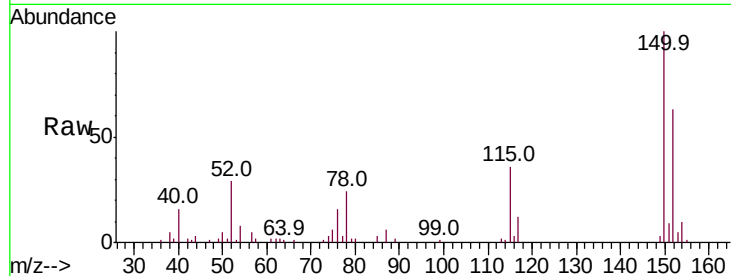


#1

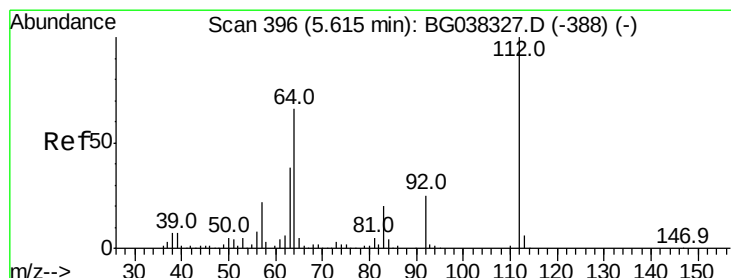
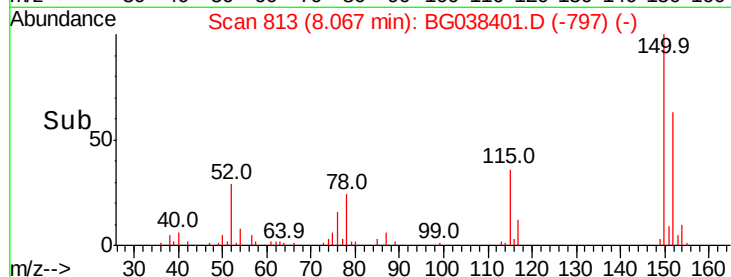
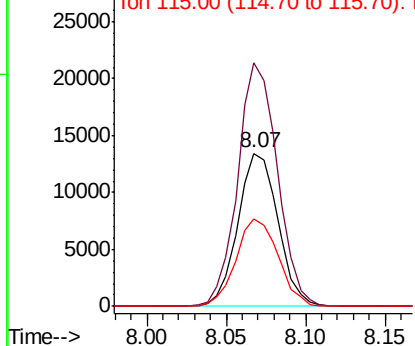
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.00 min
Lab File: BG038401.D
Acq: 7 Dec 2018 3:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 23634
Ion Ratio Lower Upper
152 100
150 159.3 126.0 189.0
115 56.8 45.5 68.3



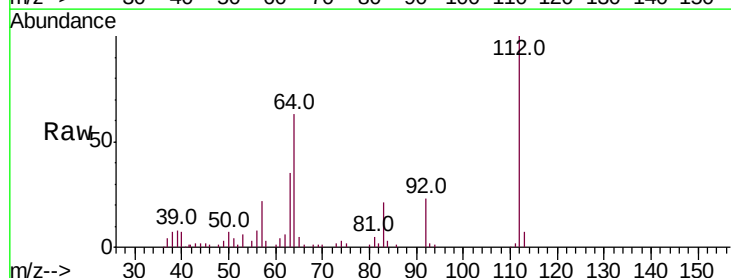
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



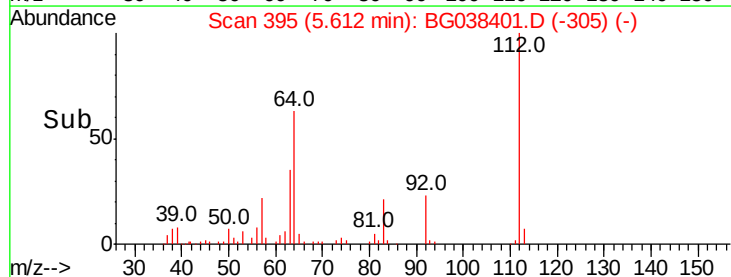
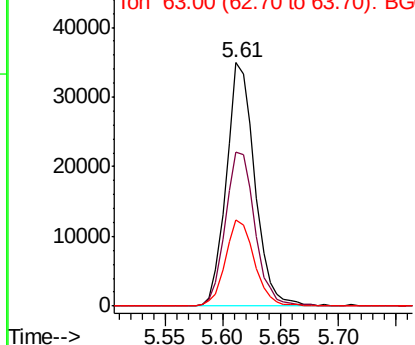
#5

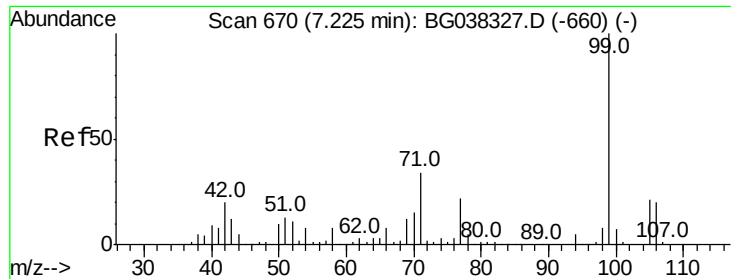
2-Fluorophenol
Concen: 44.553 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG038401.D
Acq: 7 Dec 2018 3:42

Tgt Ion:112 Resp: 59502
Ion Ratio Lower Upper
112 100
64 63.4 53.1 79.7
63 35.4 27.3 40.9



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: 27.636 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

Instrument :

BNA_G

ClientSampleId :

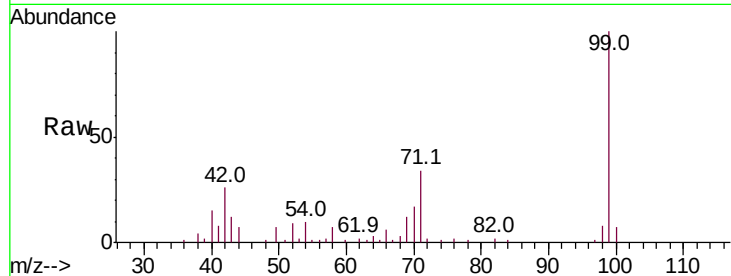
Tot Ion: 99 Resp: 53345

Ion Ratio Lower Upper

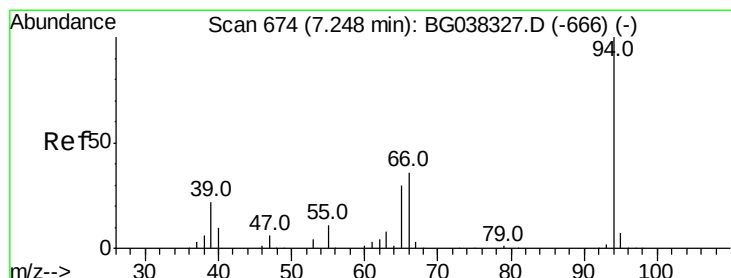
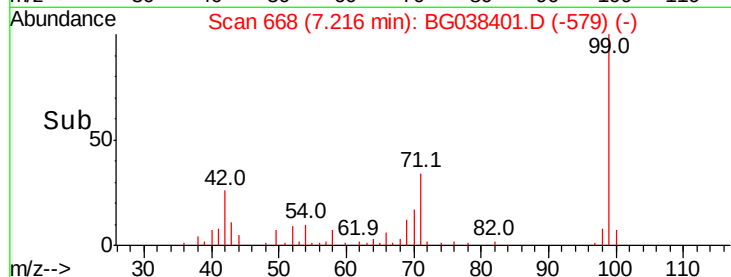
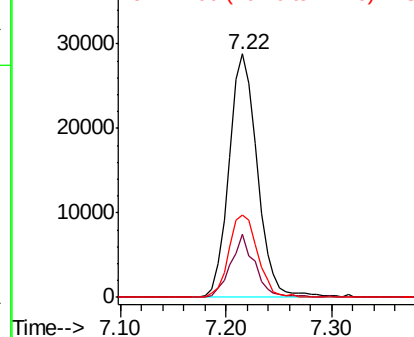
99 100

42 25.8 15.0 22.4#

71 33.9 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



#10

Phenol

Concen: 4.249 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.00 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

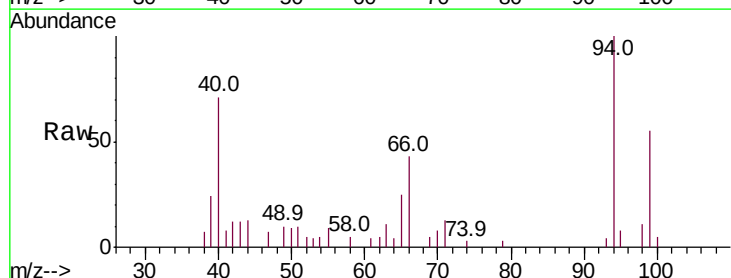
Tgt Ion: 94 Resp: 8665

Ion Ratio Lower Upper

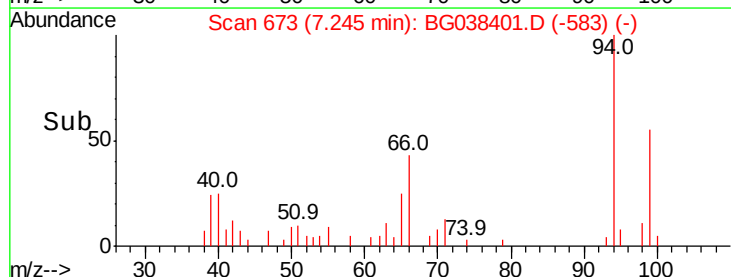
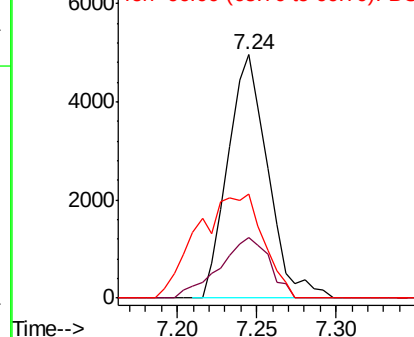
94 100

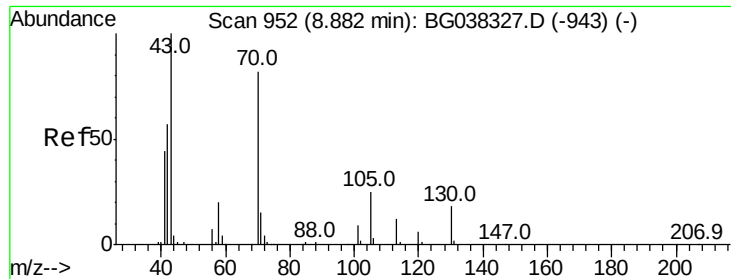
65 25.1 9.7 49.7

66 42.6 15.9 55.9



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

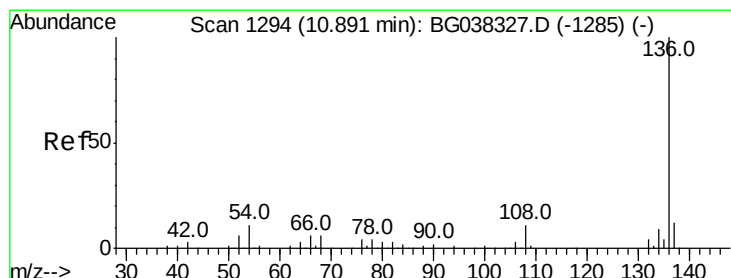
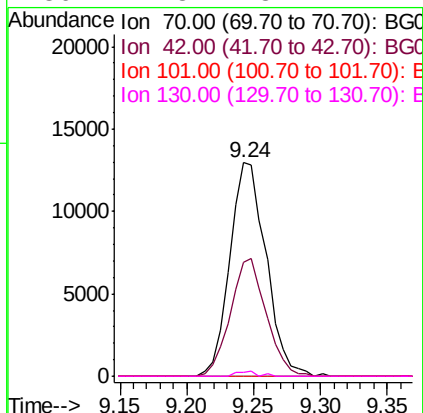
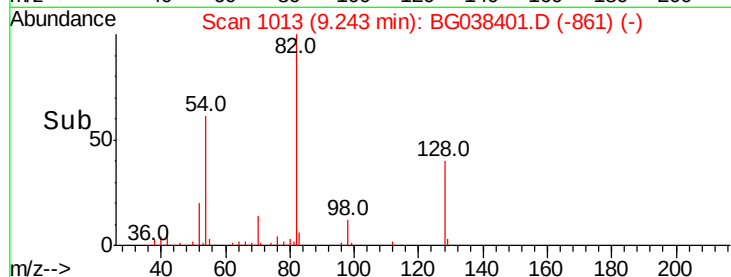
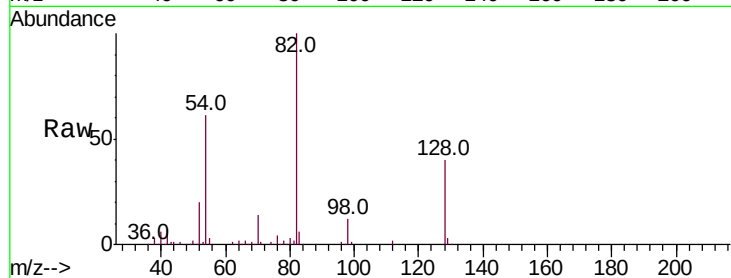




#19
n-Nitroso-di-n-propylamine
Concen: 16.100 ng
RT: 9.24 min Scan# 1013
Delta R.T. 0.36 min
Lab File: BG038401.D
Acq: 7 Dec 2018 3:42

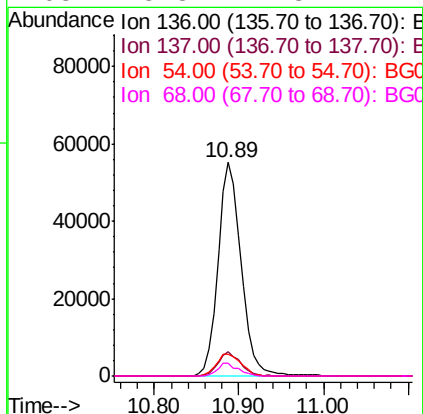
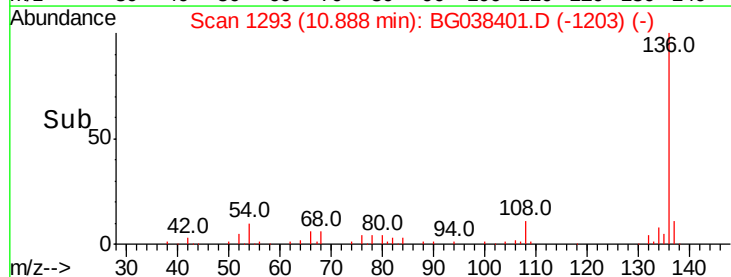
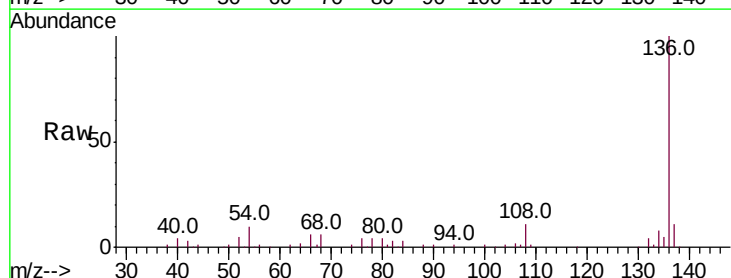
Instrument :
BNA_G
ClientSampleId :

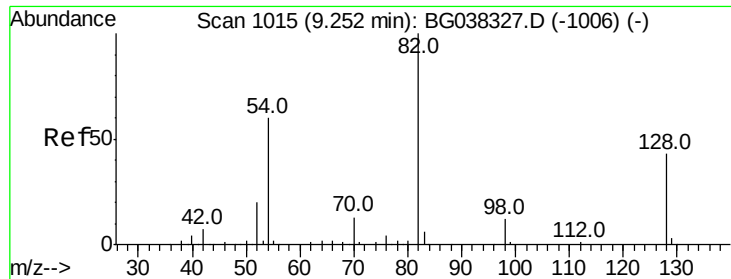
Tot Ion: 70 Resp: 24488
Ion Ratio Lower Upper
70 100
42 53.1 53.9 80.9#
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038401.D
Acq: 7 Dec 2018 3:42

Tgt Ion: 136 Resp: 105247
Ion Ratio Lower Upper
136 100
137 11.1 9.6 14.4
54 10.4 7.9 11.9
68 5.8 4.8 7.2

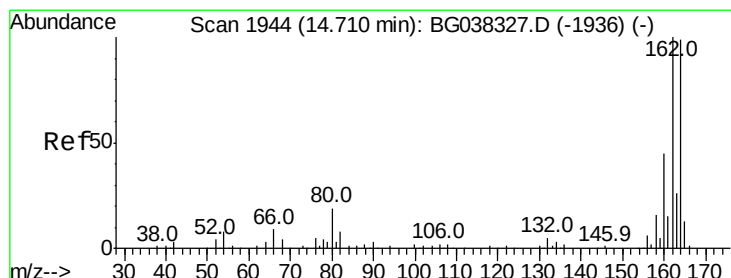
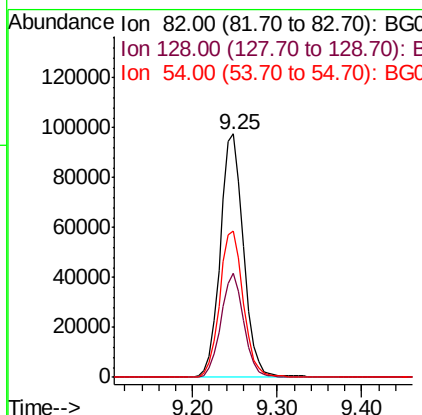
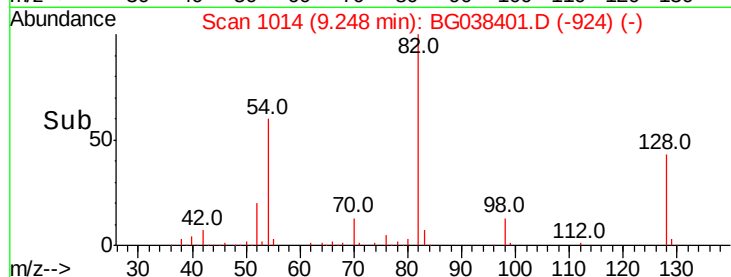
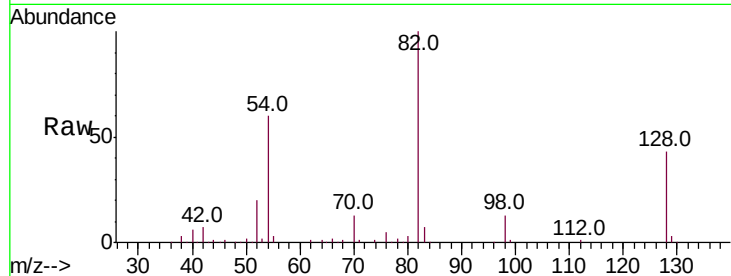




#23
Nitrobenzene-d5
Concen: 87.717 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG038401.D
Acq: 7 Dec 2018 3:42

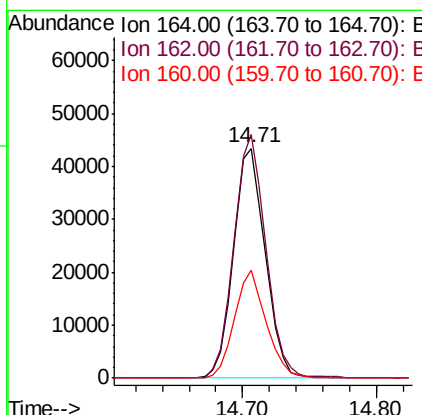
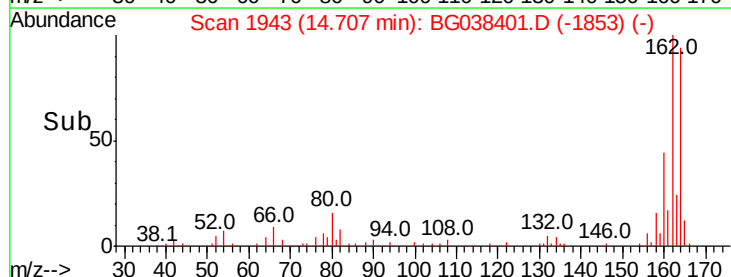
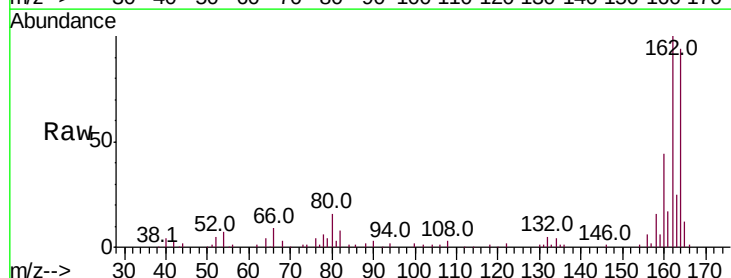
Instrument :
BNA_G
ClientSampleId :

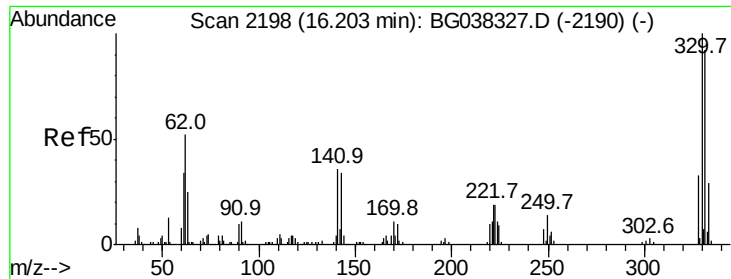
Tot Ion: 82 Resp: 185948
Ion Ratio Lower Upper
82 100
128 42.6 34.6 51.8
54 59.9 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BG038401.D
Acq: 7 Dec 2018 3:42

Tgt Ion: 164 Resp: 71692
Ion Ratio Lower Upper
164 100
162 106.0 81.3 121.9
160 46.9 36.3 54.5

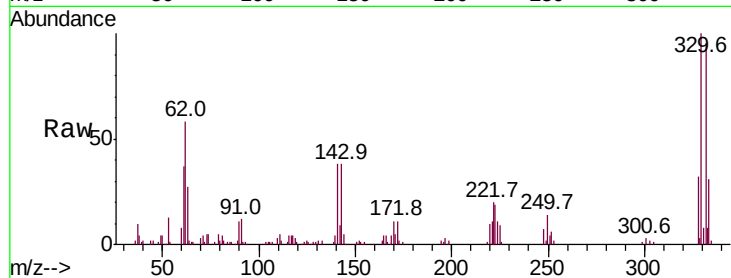




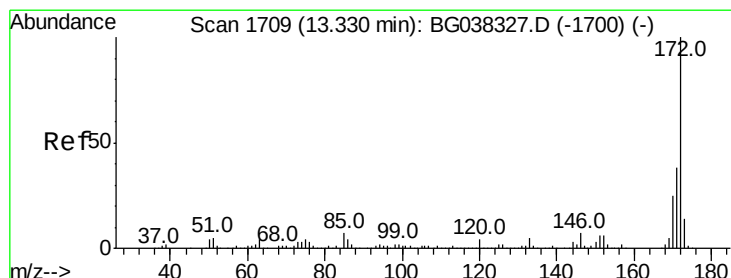
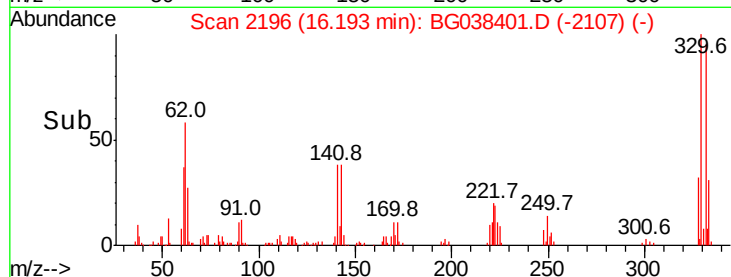
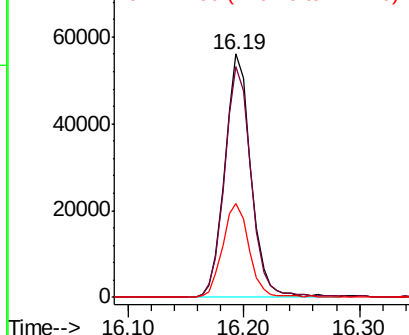
#42
 2,4,6-Tribromophenol
 Concen: 100.279 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BG038401.D
 Acq: 7 Dec 2018 3:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.4	117.6
141	39.4	32.2	48.2

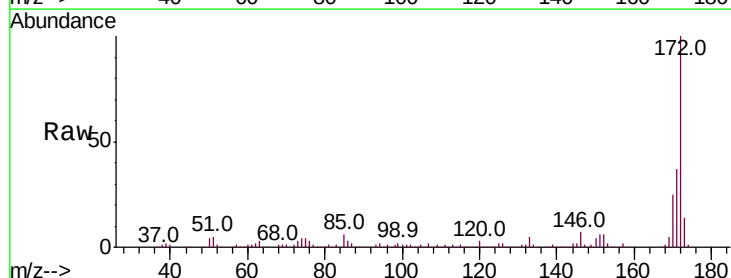


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

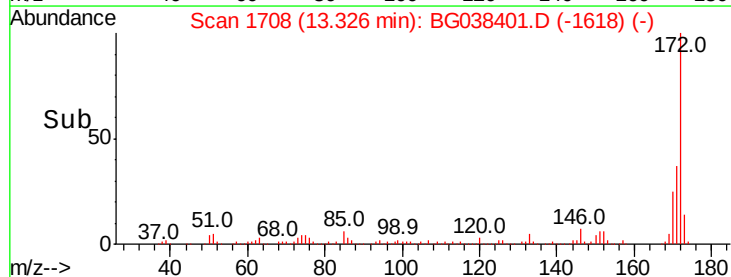
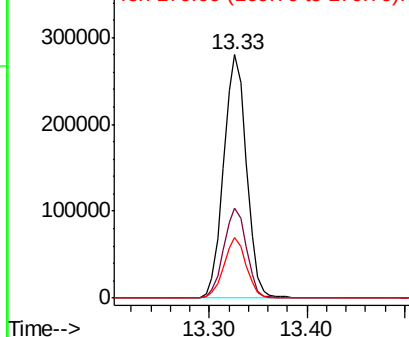


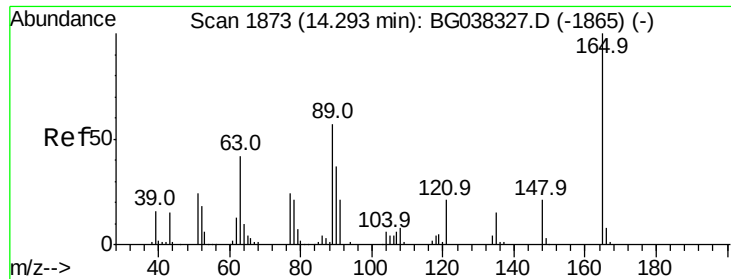
#45
 2-Fluorobiphenyl
 Concen: 90.365 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG038401.D
 Acq: 7 Dec 2018 3:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.0	46.4
170	24.6	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





#51

2,6-Dinitrotoluene

Concen: 6.767 ng

RT: 14.70 min Scan# 1942

Delta R.T. 0.41 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

Instrument :

BNA_G

ClientSampleId :

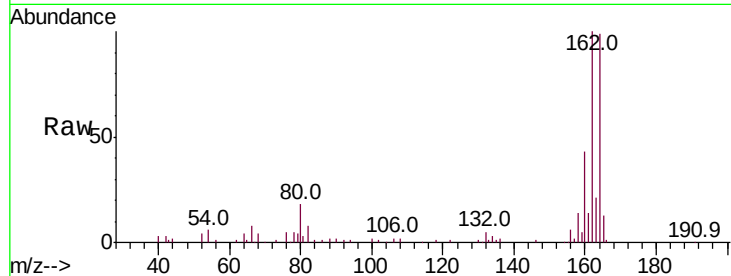
Tot Ion:165 Resp: 8889

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

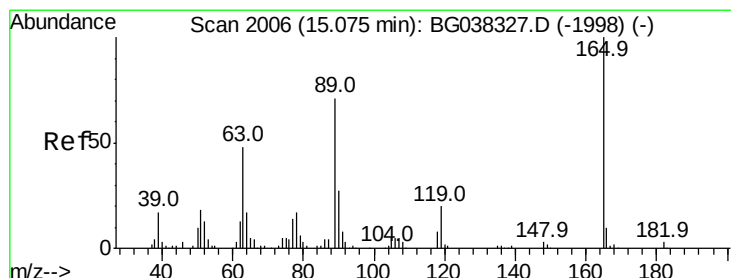
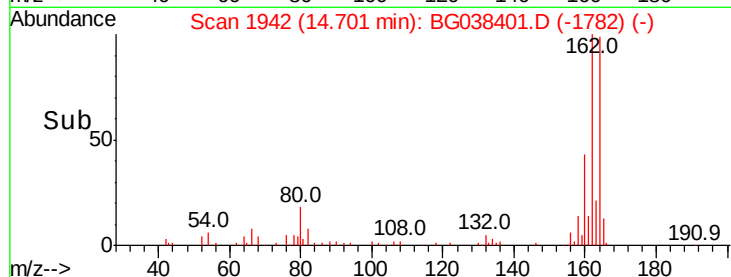
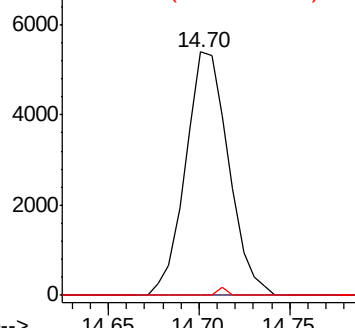
89 0.0 45.8 68.6#



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



#57

2,4-Dinitrotoluene

Concen: 4.906 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.37 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

Tgt Ion:165 Resp: 8889

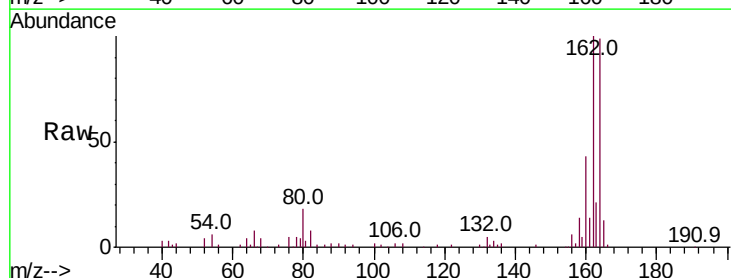
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

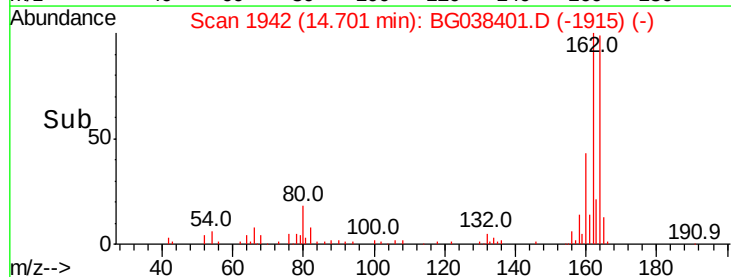
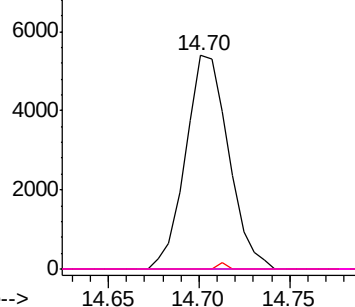


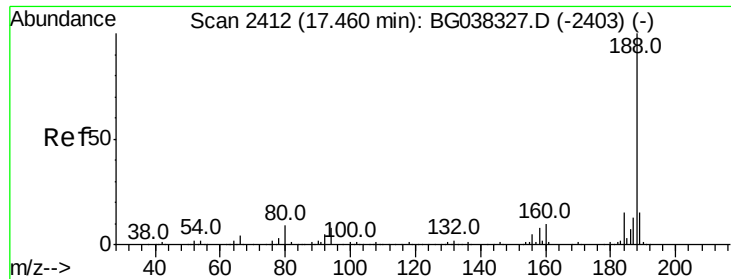
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

Instrument :

BNA_G

ClientSampled :

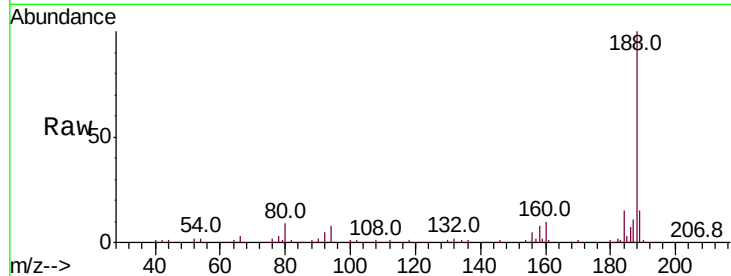
Tot Ion:188 Resp: 183303

Ion Ratio Lower Upper

188 100

94 7.7 7.2 10.8

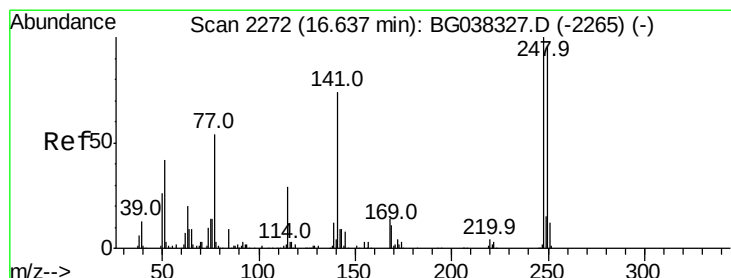
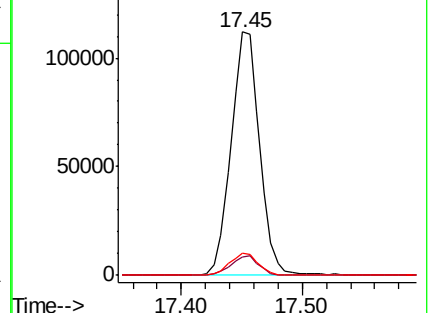
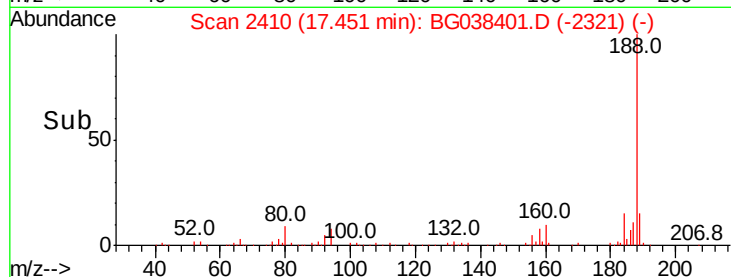
80 9.0 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.153 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.44 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

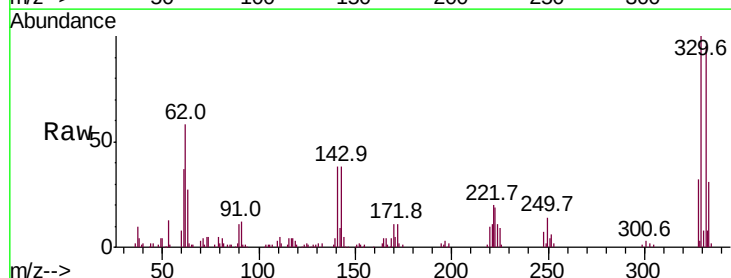
Tgt Ion:248 Resp: 6241

Ion Ratio Lower Upper

248 100

250 212.3 77.0 115.6#

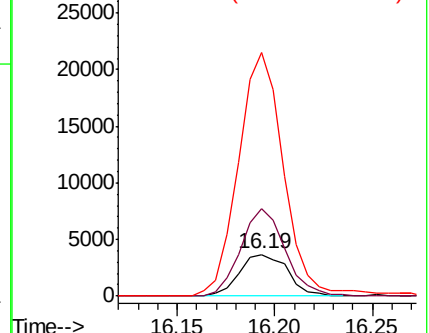
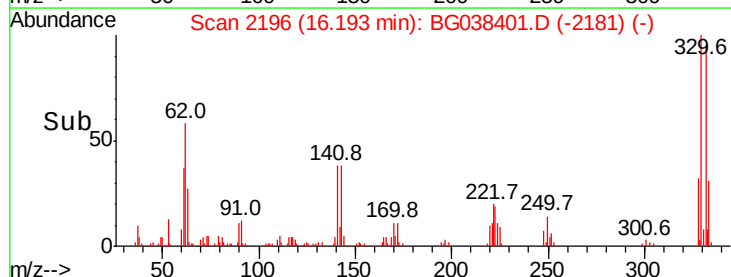
141 454.0 55.5 83.3#

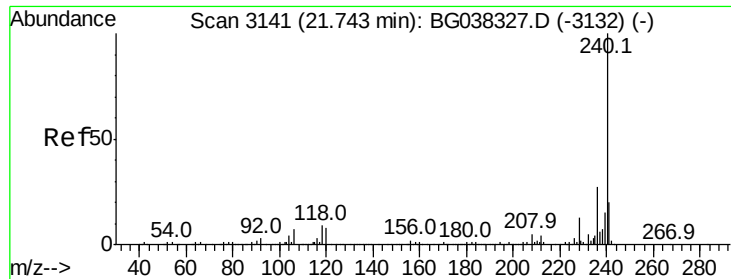


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

Instrument :

BNA_G

ClientSampled :

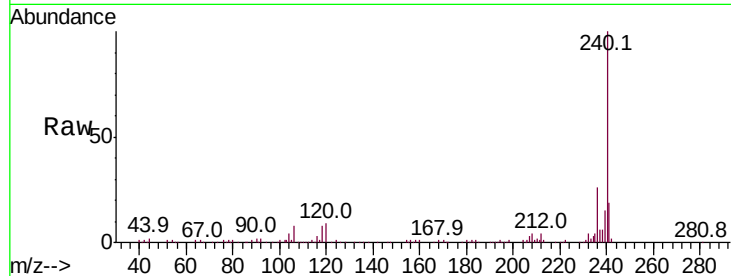
Tot Ion:240 Resp: 174090

Ion Ratio Lower Upper

240 100

120 9.0 8.1 12.1

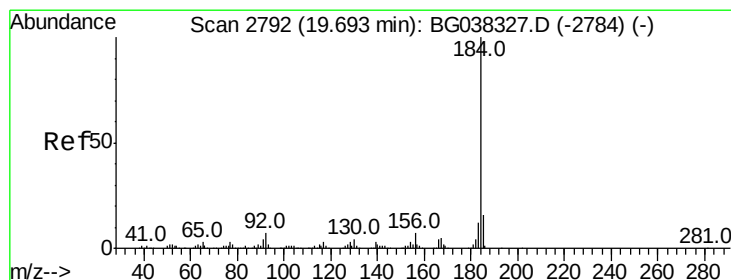
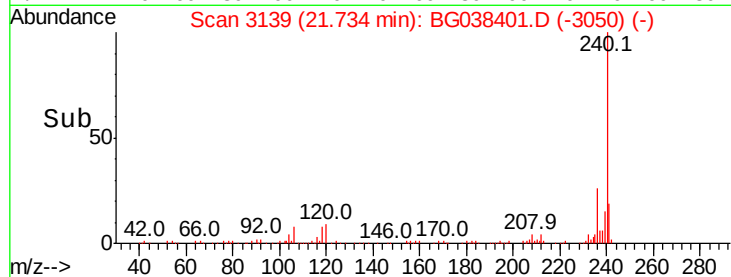
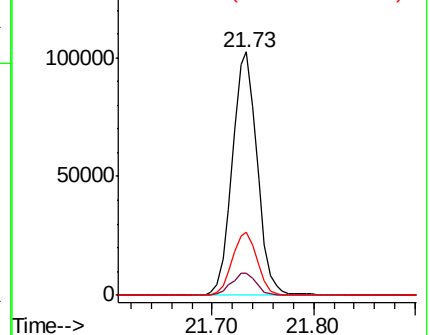
236 26.0 21.4 32.0



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



#77

Benzidine

Concen: 2.343 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

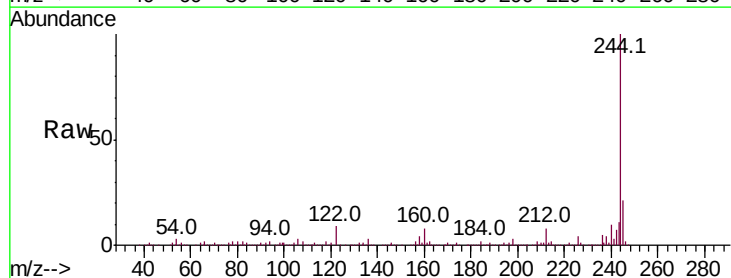
Tgt Ion:184 Resp: 13764

Ion Ratio Lower Upper

184 100

185 18.6 12.6 18.8

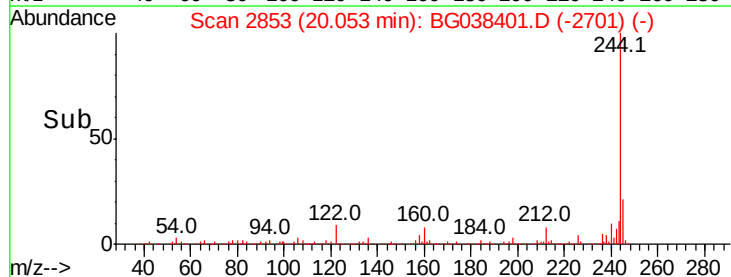
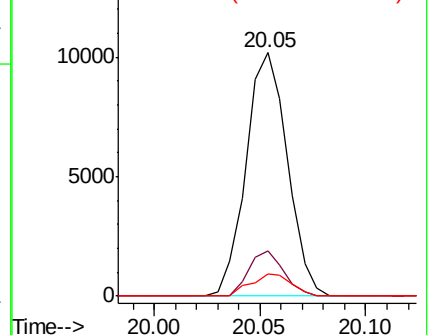
183 9.4 10.2 15.2#

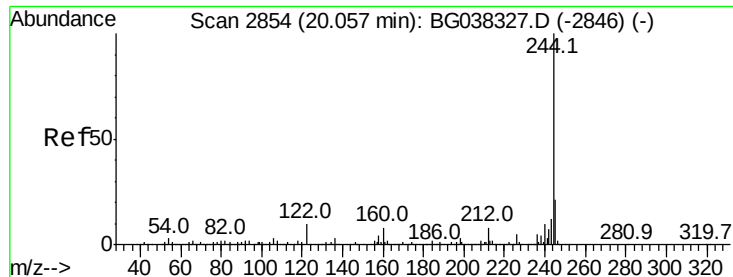


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.485 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

Instrument :

BNA_G

ClientSampleId :

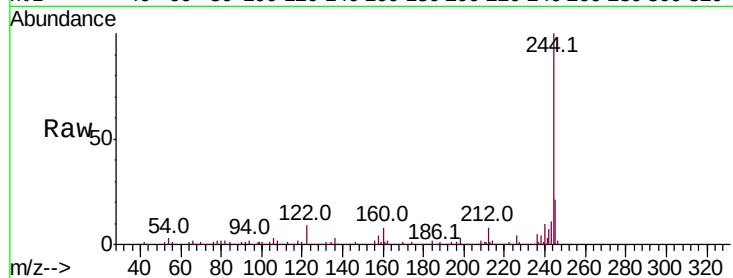
Tot Ion:244 Resp: 767829

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 8.5 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

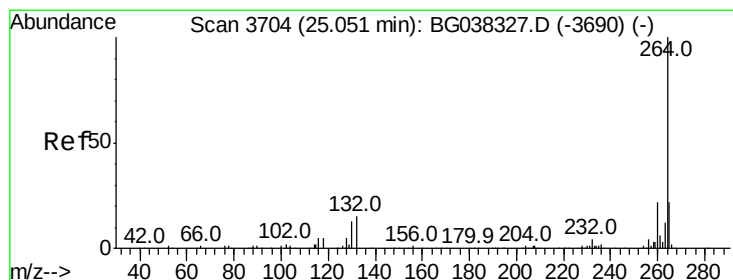
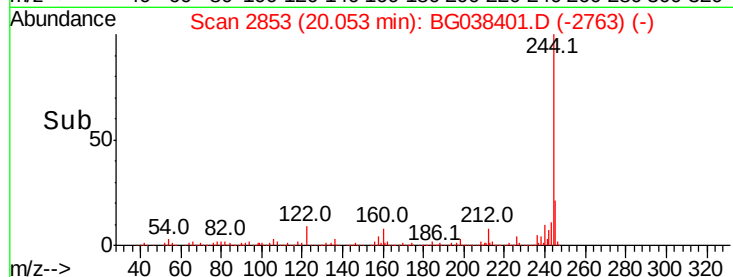
600000 20.05

400000

200000

0

Time--> 20.00 20.10



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3701

Delta R.T. -0.02 min

Lab File: BG038401.D

Acq: 7 Dec 2018 3:42

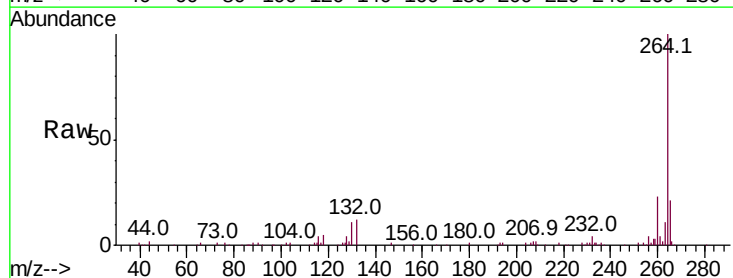
Tgt Ion:264 Resp: 182266

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 21.0 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

80000 25.04

60000

40000

20000

0

Time--> 24.90 25.00 25.10 25.20

