

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG112818\
 Data File : BG038215.D
 Acq On : 29 Nov 2018 1:09
 Operator : JU/SJ
 Sample : J6069-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 112318-TIPC-F-D-S

Quant Time: Nov 29 04:52:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

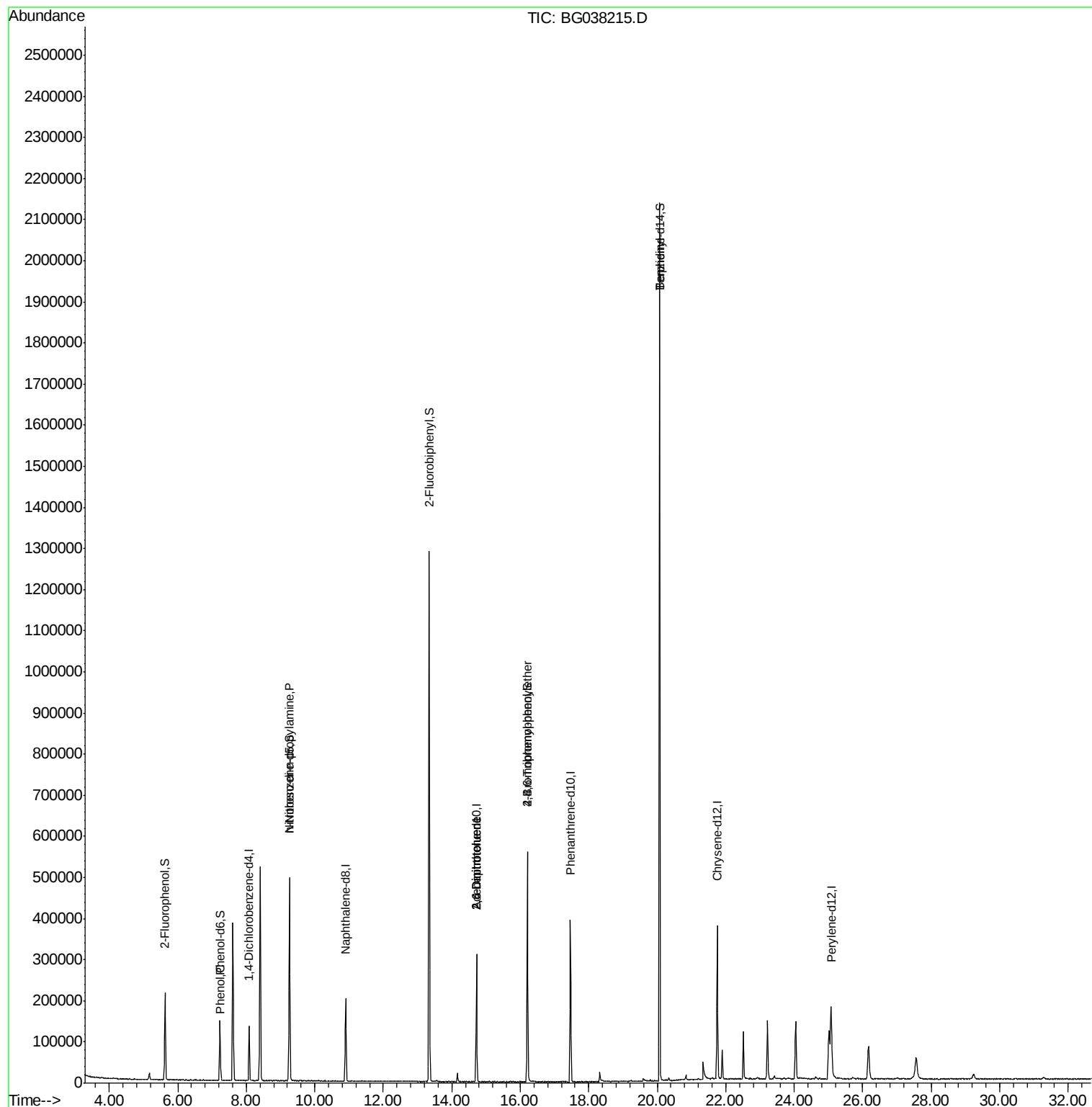
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	37680	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	173500	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	112306	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	249906	20.00	ng	0.00
76) Chrysene-d12	21.75	240	236241	20.00	ng	0.00
87) Perylene-d12	25.08	264	237287	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	99073	45.40	ng	0.00
7) Phenol-d6	7.23	99	89701	28.79	ng	0.00
23) Nitrobenzene-d5	9.26	82	306202	94.47	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	102841	80.29	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	690327	89.55	ng	0.00
79) Terphenyl-d14	20.07	244	1008860	100.48	ng	0.00
Target Compounds						
10) Phenol	7.25	94	6685	2.026	ng	84
19) n-Nitroso-di-n-propylamine	9.26	70	39079	17.337	ng	# 77
51) 2,6-Dinitrotoluene	14.72	165	14257	7.075	ng	# 26
57) 2,4-Dinitrotoluene	14.72	165	14257	5.200	ng	# 26
67) 4-Bromophenyl-phenylether	16.21	248	7489	2.730	ng	# 1
77) Benzidine	20.07	184	17905	2.160	ng	# 96

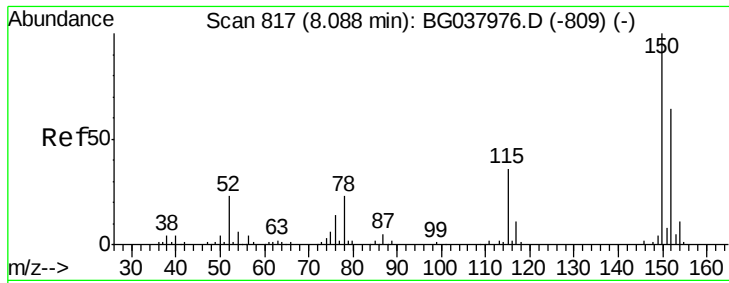
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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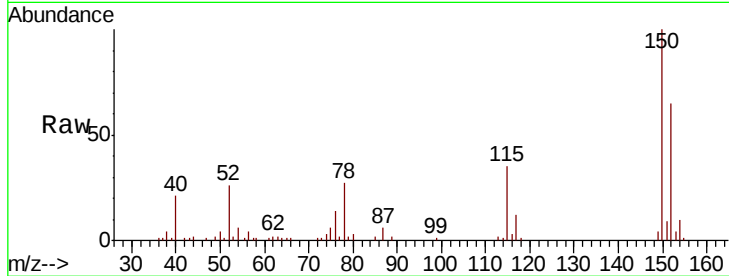


#1

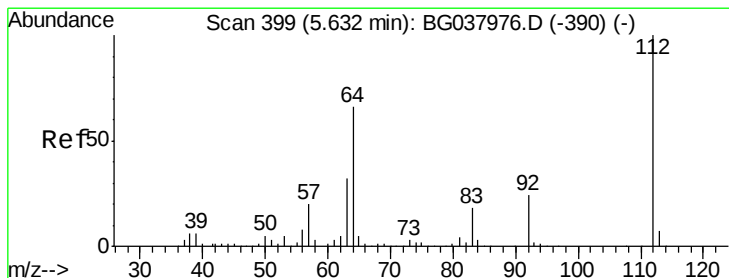
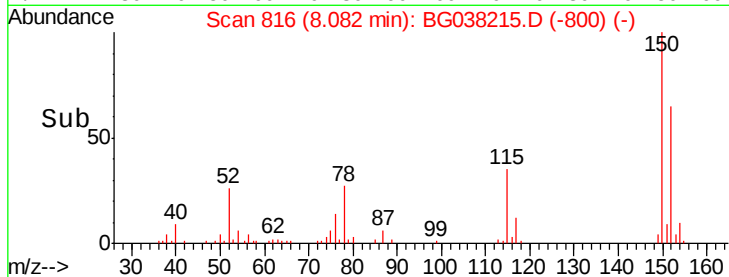
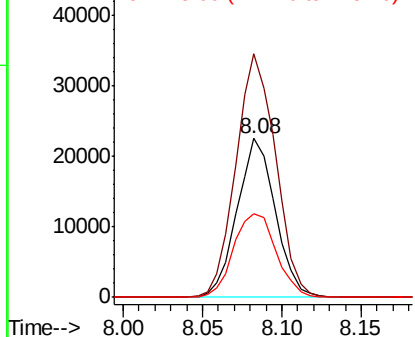
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038215.D
Acq: 29 Nov 2018 1:09

Instrument :
BNA_G
ClientSampleId :
112318-TIPC-F-D-S

Tgt Ion:152 Resp: 37680
Ion Ratio Lower Upper
152 100
150 153.1 126.0 189.0
115 52.9 45.5 68.3



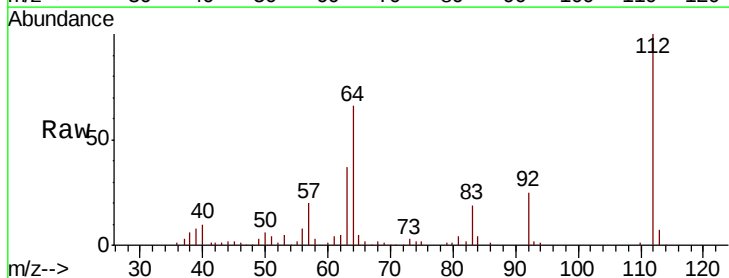
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



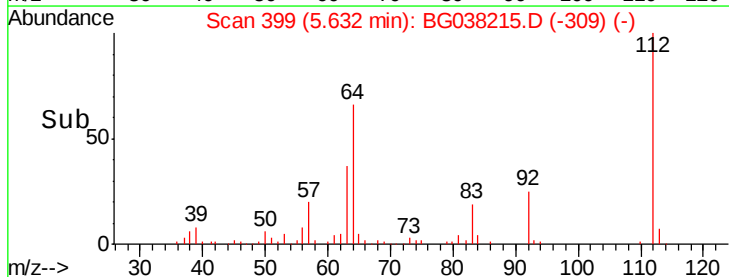
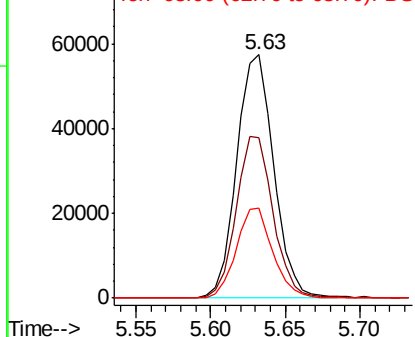
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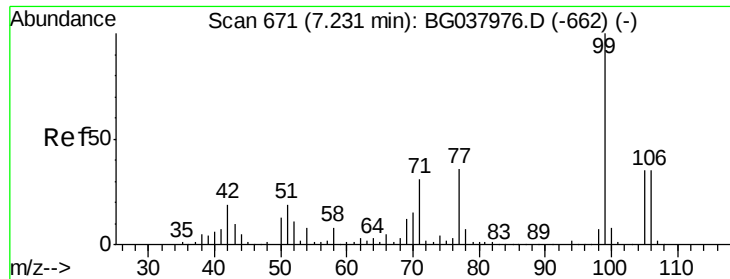
2-Fluorophenol
Concen: 45.397 ng
RT: 5.63 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG038215.D
Acq: 29 Nov 2018 1:09

Tgt Ion:112 Resp: 99073
Ion Ratio Lower Upper
112 100
64 66.1 53.1 79.7
63 36.9 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: 28.795 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038215.D

Acq: 29 Nov 2018 1:09

Instrument :

BNA_G

ClientSampleId :

112318-TIPC-F-D-S

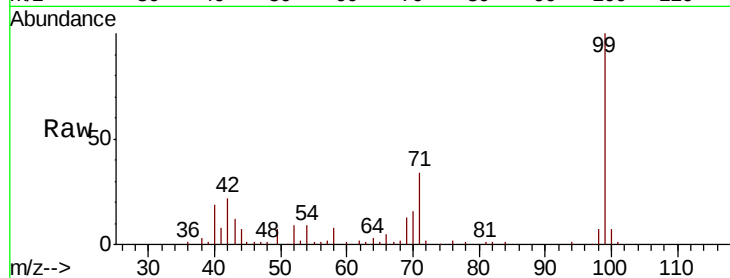
Tgt Ion: 99 Resp: 89701

Ion Ratio Lower Upper

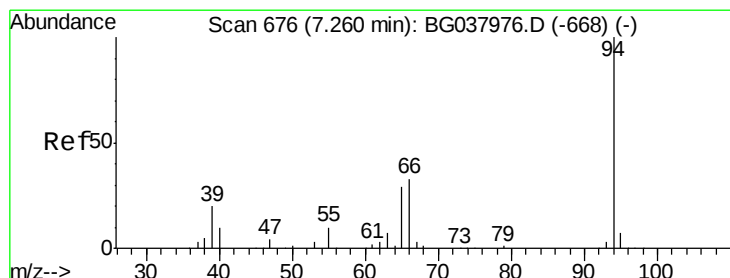
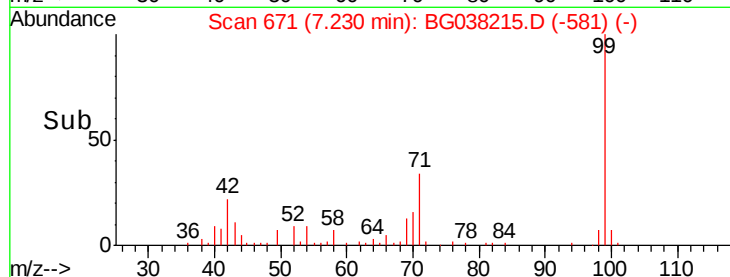
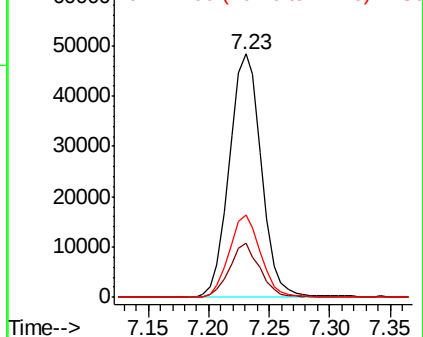
99 100

42 22.2 15.0 22.4

71 34.0 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: 2.026 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.01 min

Lab File: BG038215.D

Acq: 29 Nov 2018 1:09

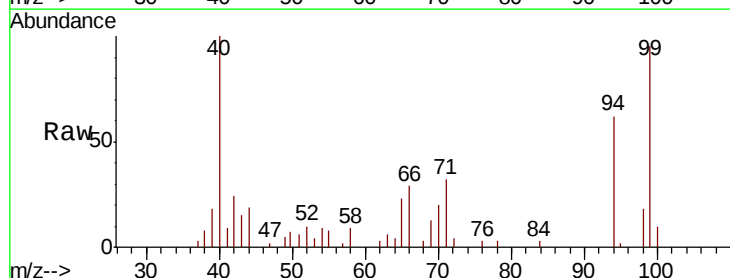
Tgt Ion: 94 Resp: 6685

Ion Ratio Lower Upper

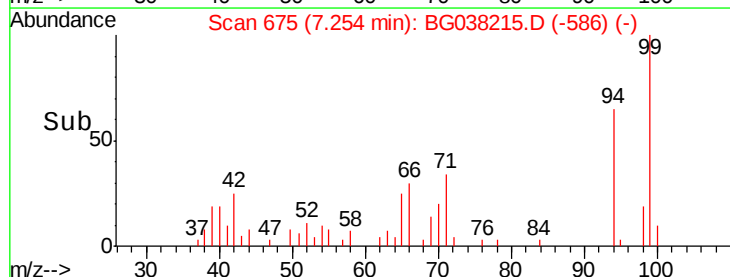
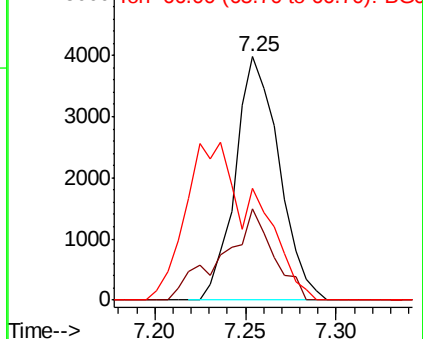
94 100

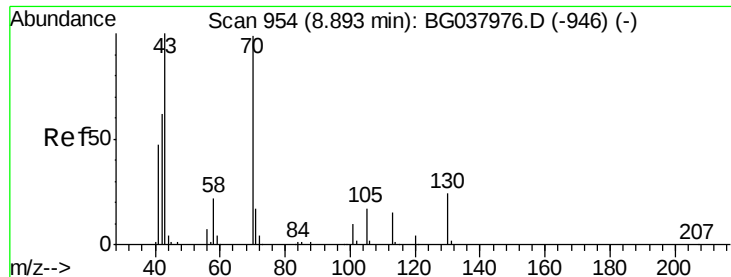
65 37.5 9.7 49.7

66 45.9 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

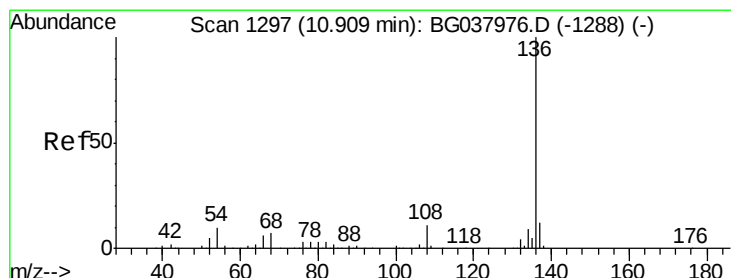
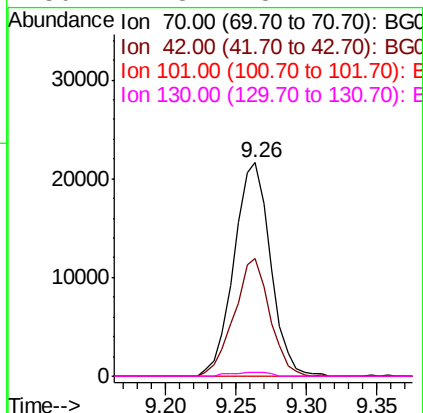
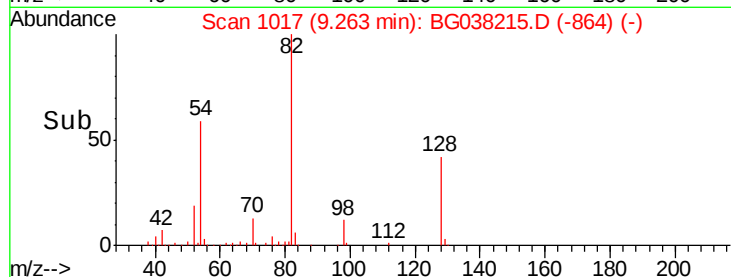
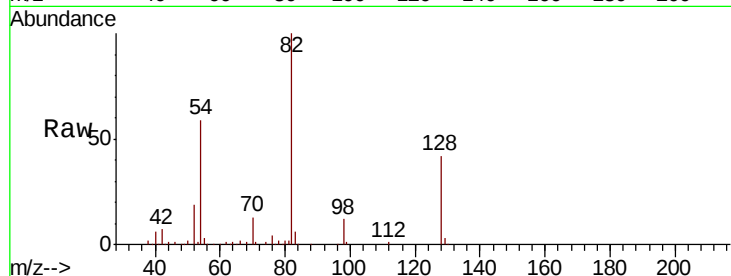




#19
n-Nitroso-di-n-propylamine
Concen: 17.337 ng
RT: 9.26 min Scan# 1017
Delta R.T. 0.37 min
Lab File: BG038215.D
Acq: 29 Nov 2018 1:09

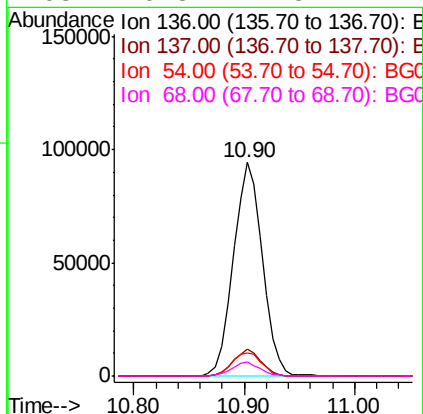
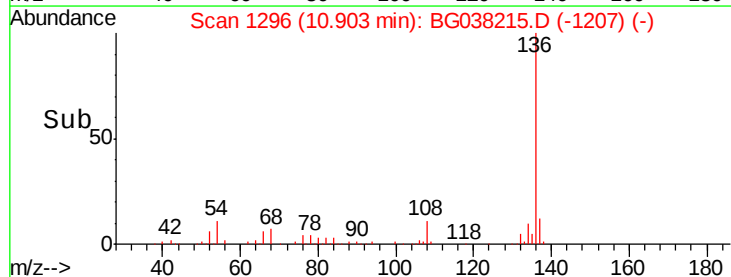
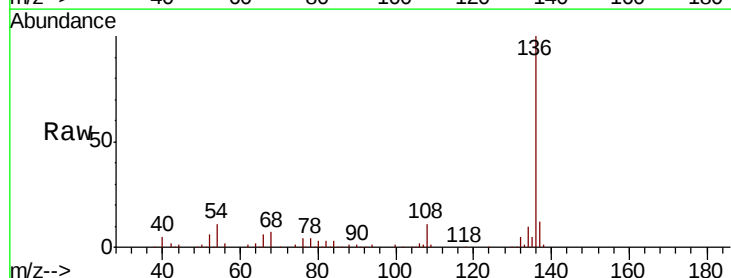
Instrument :
BNA_G
ClientSampleId :
112318-TIPC-F-D-S

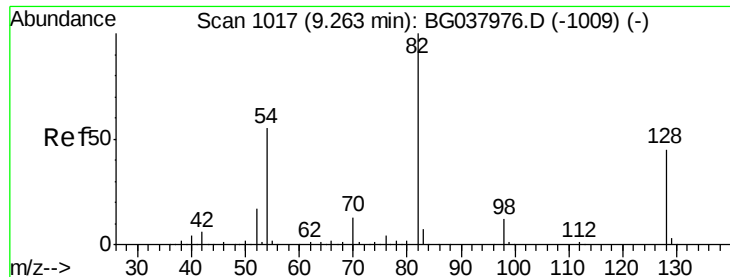
Tgt Ion: 70 Resp: 39079
Ion Ratio Lower Upper
70 100
42 55.4 53.9 80.9
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BG038215.D
Acq: 29 Nov 2018 1:09

Tgt Ion: 136 Resp: 173500
Ion Ratio Lower Upper
136 100
137 12.5 9.6 14.4
54 10.6 7.9 11.9
68 6.8 4.8 7.2

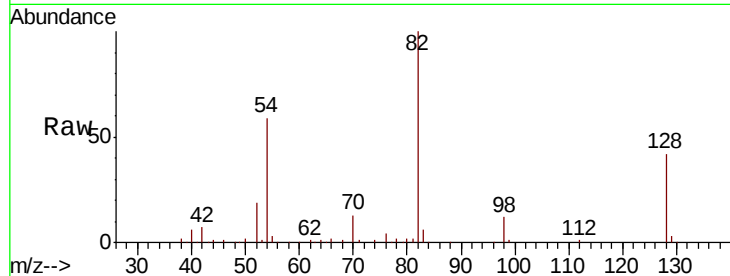




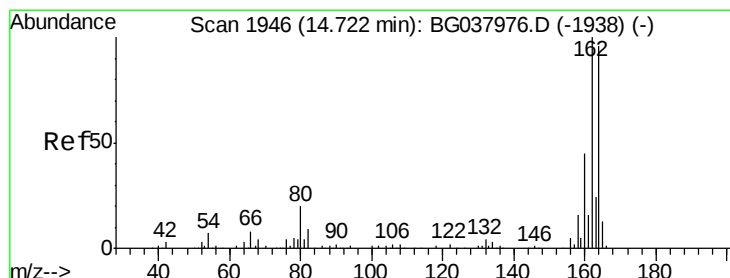
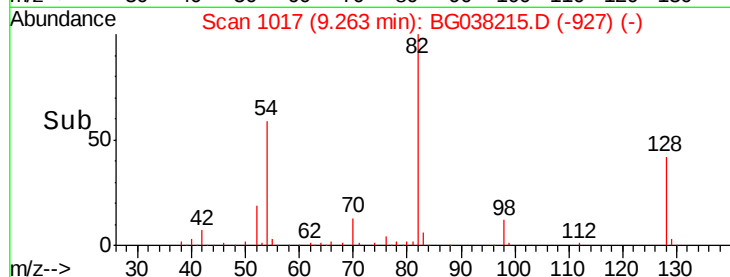
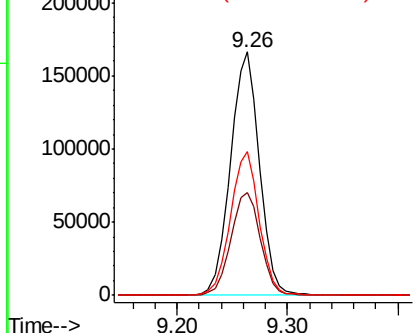
#23
Nitrobenzene-d5
Concen: 94.473 ng
RT: 9.26 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG038215.D
Acq: 29 Nov 2018 1:09

Instrument :
BNA_G
ClientSampleId :
112318-TIPC-F-D-S

Tgt Ion: 82 Resp: 306202
Ion Ratio Lower Upper
82 100
128 42.4 34.6 51.8
54 59.3 45.3 67.9

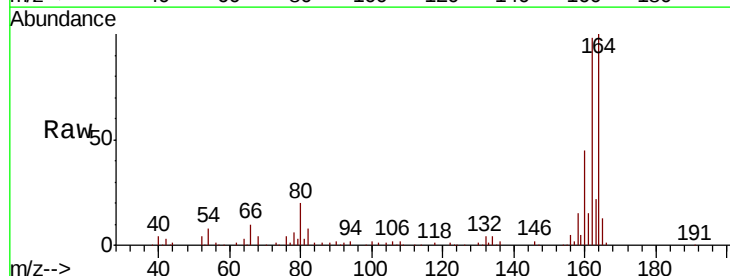


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

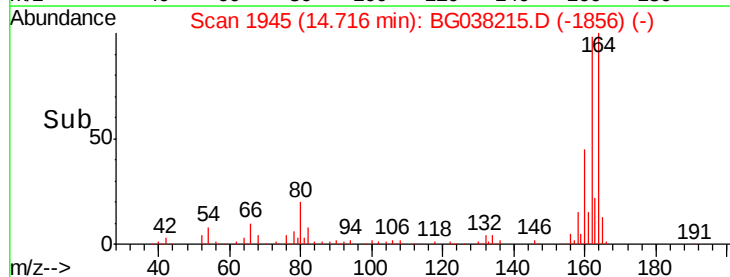
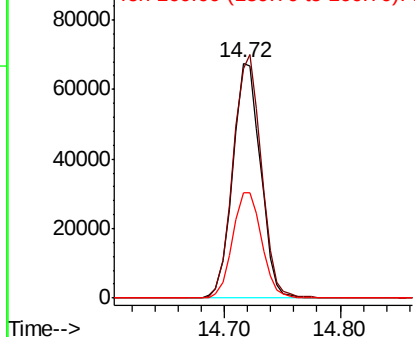


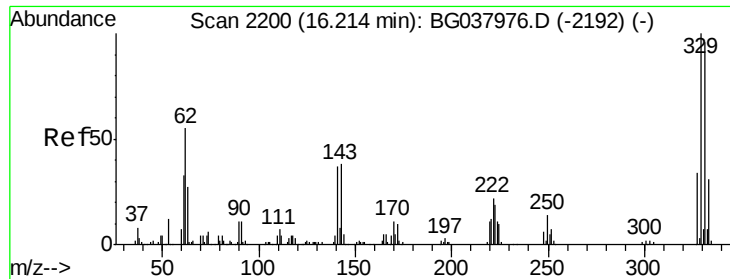
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG038215.D
Acq: 29 Nov 2018 1:09

Tgt Ion: 164 Resp: 112306
Ion Ratio Lower Upper
164 100
162 98.0 81.3 121.9
160 45.0 36.3 54.5



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





#42

2,4,6-Tribromophenol

Concen: 80.293 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038215.D

Acq: 29 Nov 2018 1:09

Instrument :

BNA_G

ClientSampleId :

112318-TIPC-F-D-S

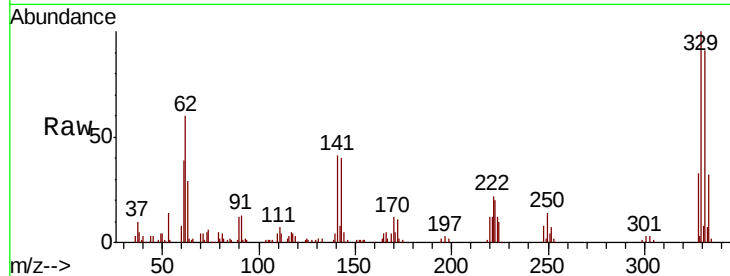
Tgt Ion:330 Resp: 102841

Ion Ratio Lower Upper

330 100

332 95.0 78.4 117.6

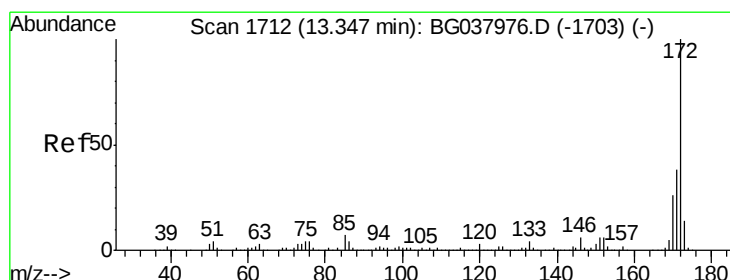
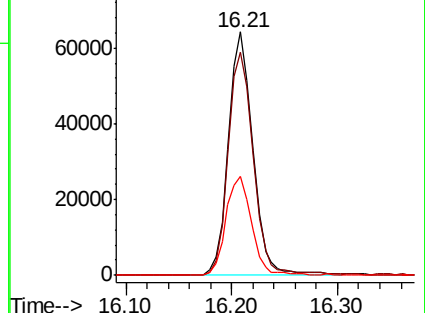
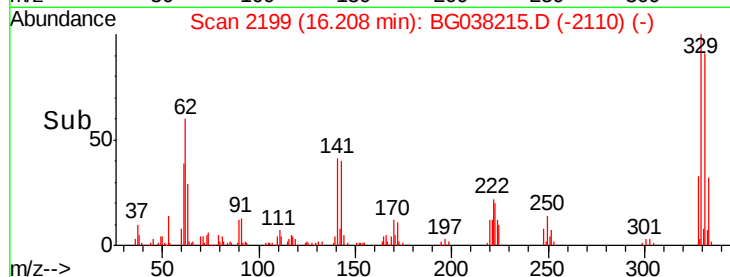
141 42.6 32.2 48.2



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: 89.550 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BG038215.D

Acq: 29 Nov 2018 1:09

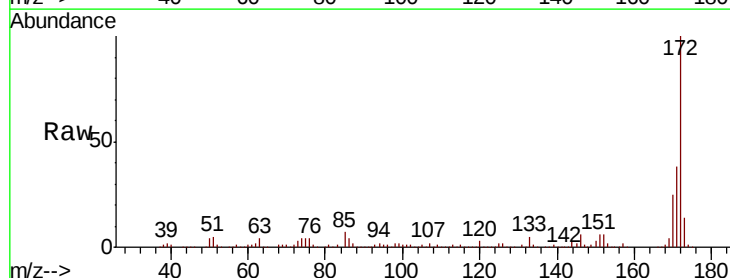
Tgt Ion:172 Resp: 690327

Ion Ratio Lower Upper

172 100

171 37.6 31.0 46.4

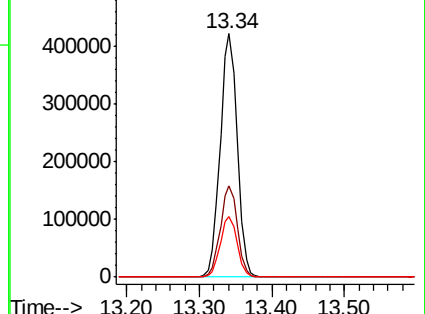
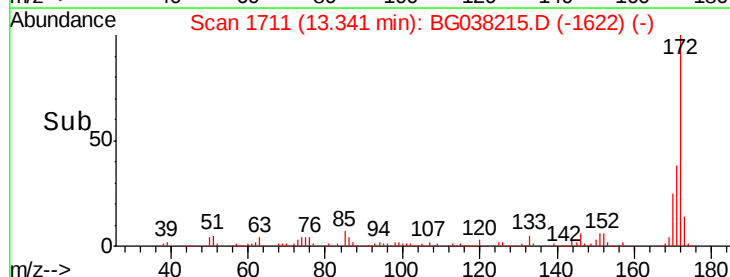
170 25.1 20.2 30.2

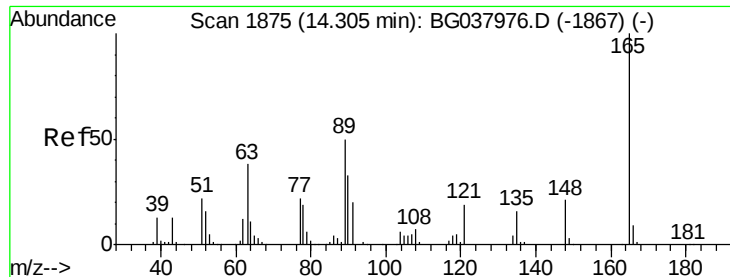


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

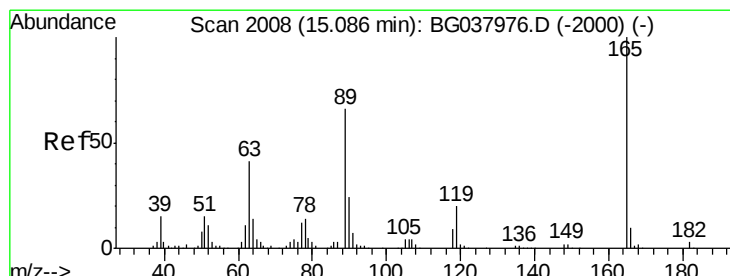
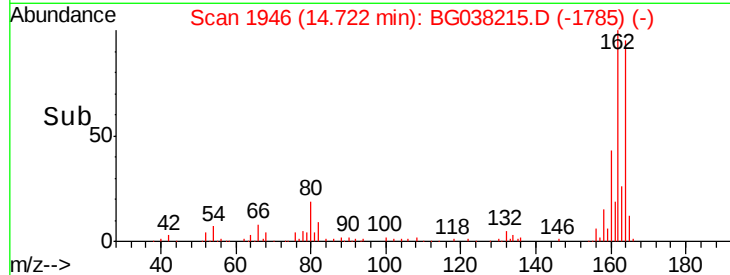
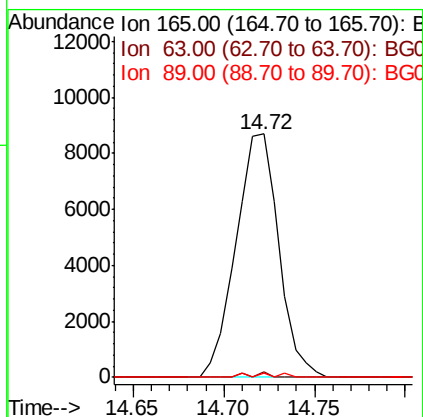
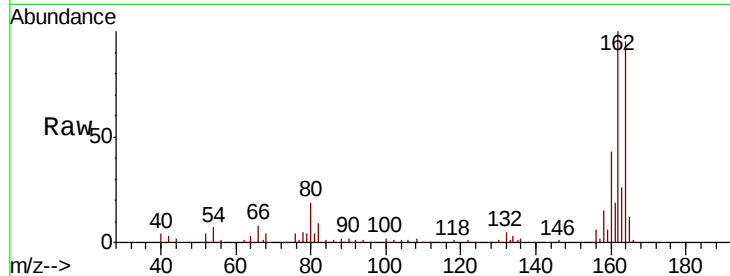




#51
 2,6-Dinitrotoluene
 Concen: 7.075 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038215.D
 Acq: 29 Nov 2018 1:09

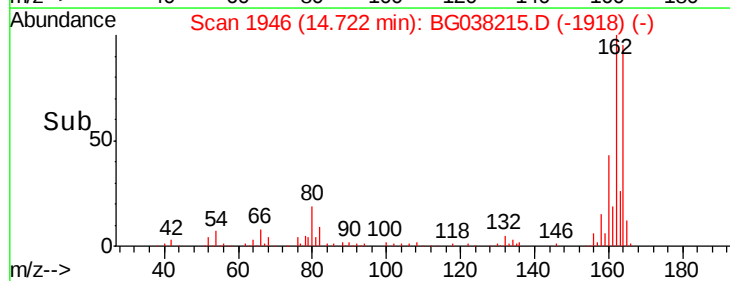
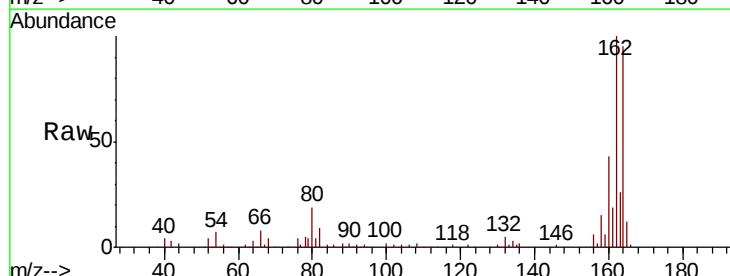
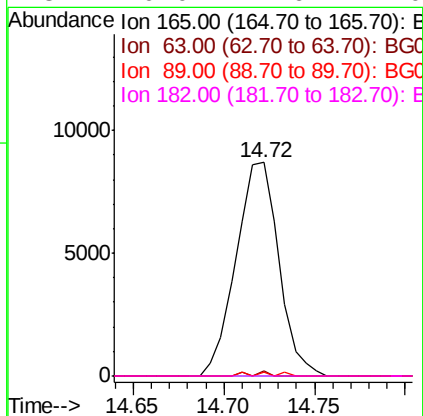
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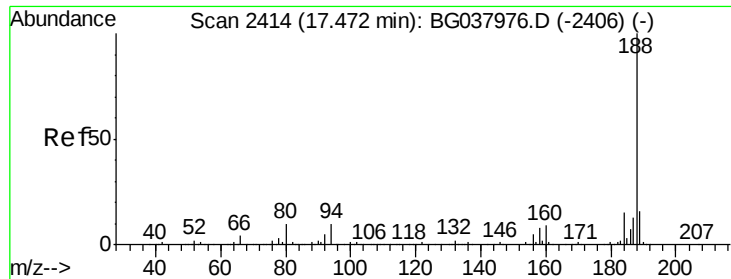
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	43.4	65.2#
89	2.0	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.200 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG038215.D
 Acq: 29 Nov 2018 1:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	33.4	50.0#
89	2.0	57.2	85.8#
182	0.0	2.6	4.0#

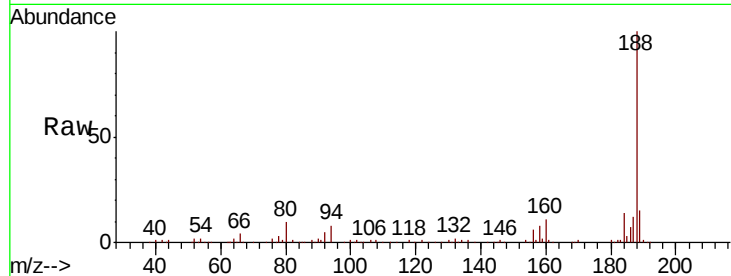




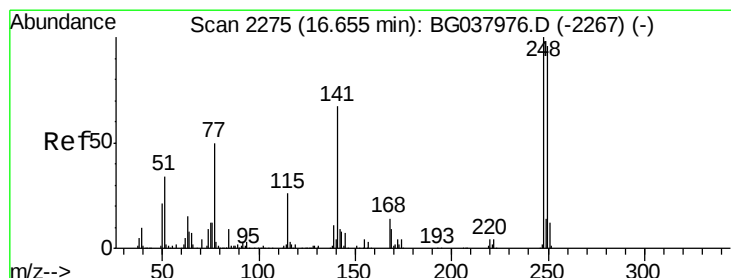
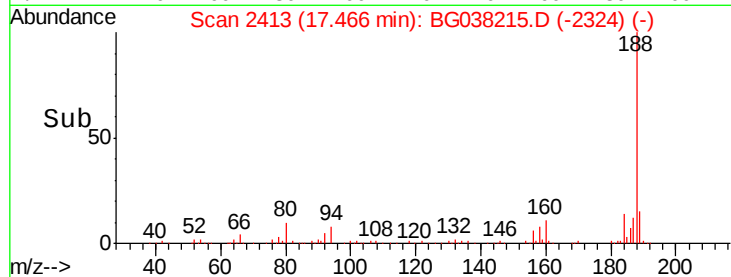
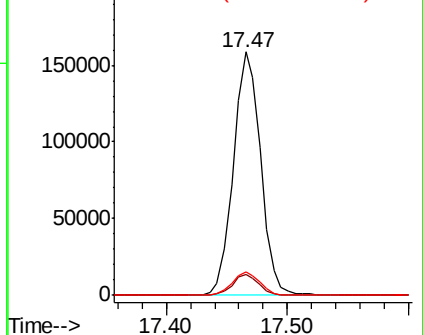
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG038215.D
 Acq: 29 Nov 2018 1:09

Instrument :
 BNA_G
 ClientSampleId :
 112318-TIPC-F-D-S

Tgt Ion:188 Resp: 249906
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.2 10.8
 80 9.9 7.7 11.5

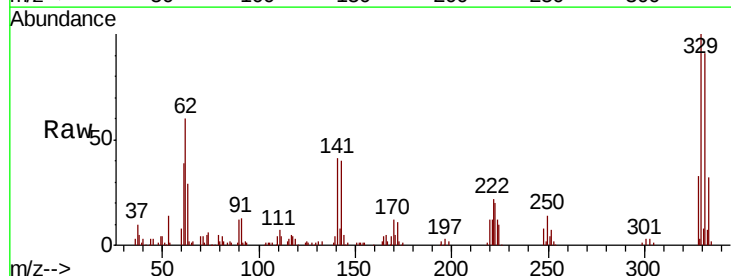


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

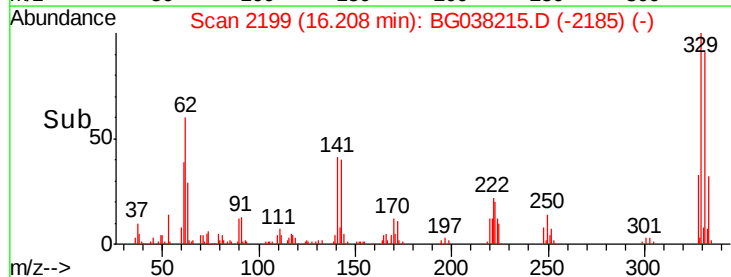
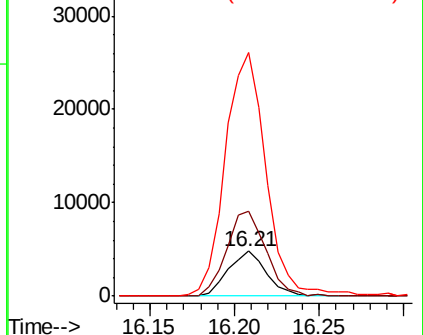


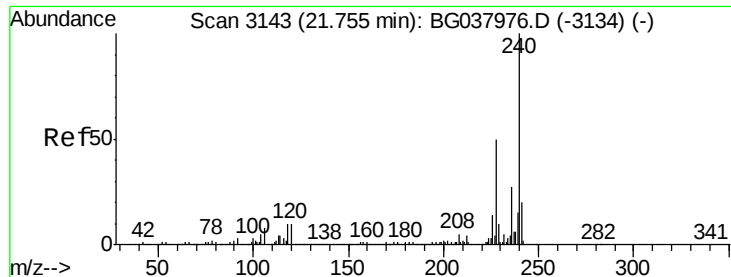
#67
 4-Bromophenyl-phenylether
 Concen: 2.730 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.45 min
 Lab File: BG038215.D
 Acq: 29 Nov 2018 1:09

Tgt Ion:248 Resp: 7489
 Ion Ratio Lower Upper
 248 100
 250 191.5 77.0 115.6#
 141 424.1 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

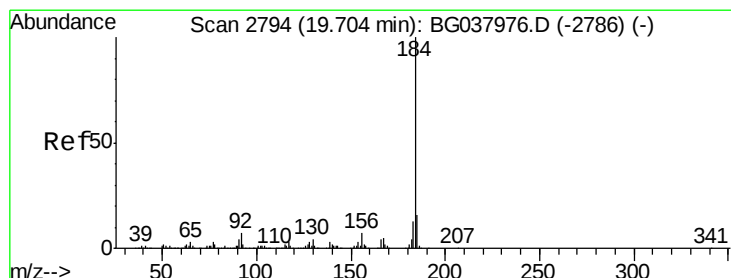
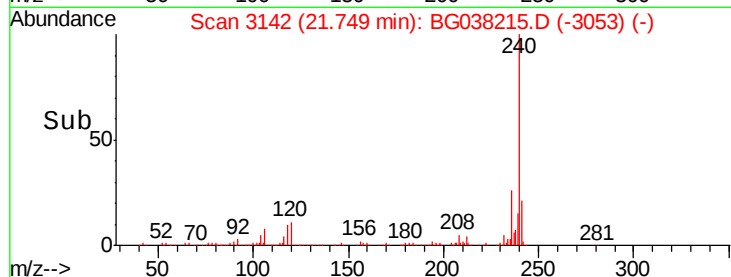
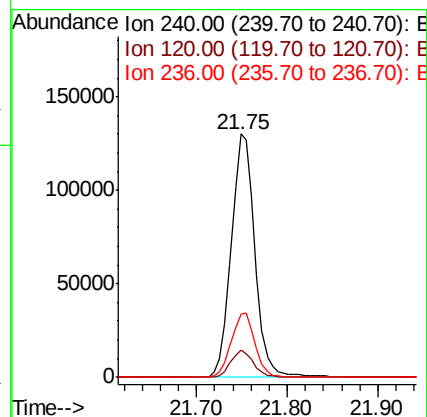
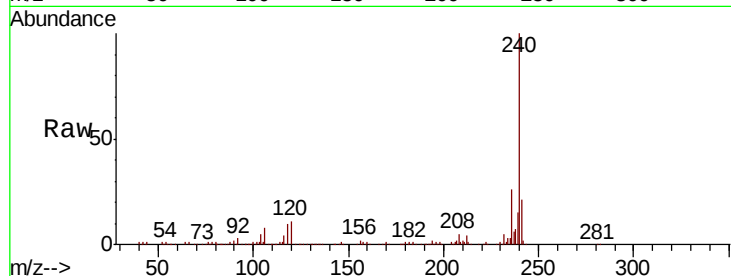




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG038215.D
Acq: 29 Nov 2018 1:09

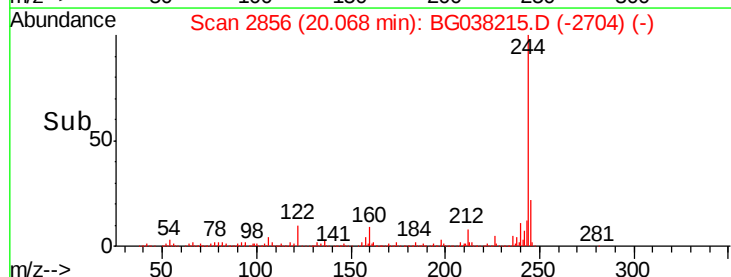
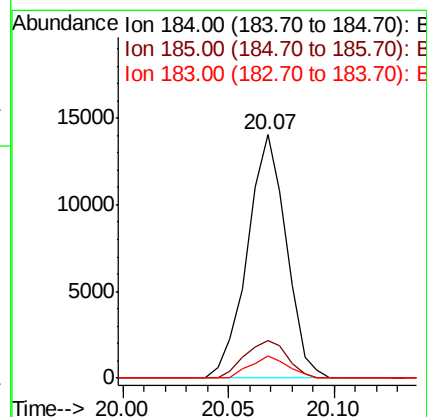
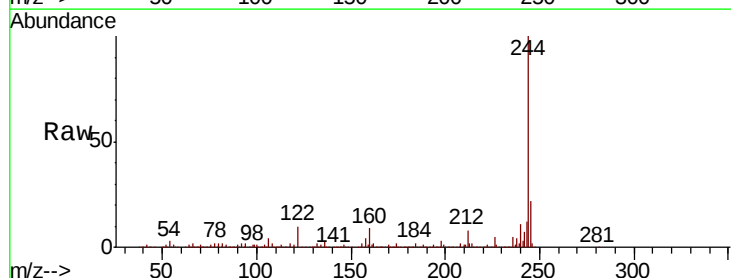
Instrument :
BNA_G
ClientSampleId :
112318-TIPC-F-D-S

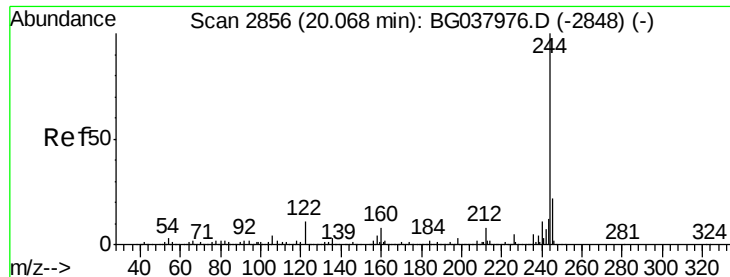
Tgt Ion:240 Resp: 236241
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 26.0 21.4 32.0



#77
Benzidine
Concen: 2.160 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.36 min
Lab File: BG038215.D
Acq: 29 Nov 2018 1:09

Tgt Ion:184 Resp: 17905
Ion Ratio Lower Upper
184 100
185 15.3 12.6 18.8
183 9.2 10.2 15.2#





#79

Terphenyl-d14

Concen: 100.485 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038215.D

Acq: 29 Nov 2018 1:09

Instrument :

BNA_G

ClientSampleId :

112318-TIPC-F-D-S

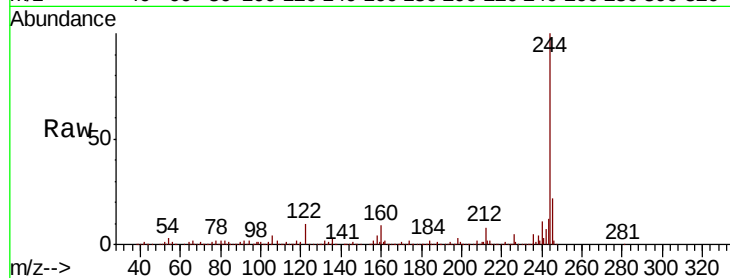
Tgt Ion:244 Resp: 1008860

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

122 10.2 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

800000

600000

400000

200000

0

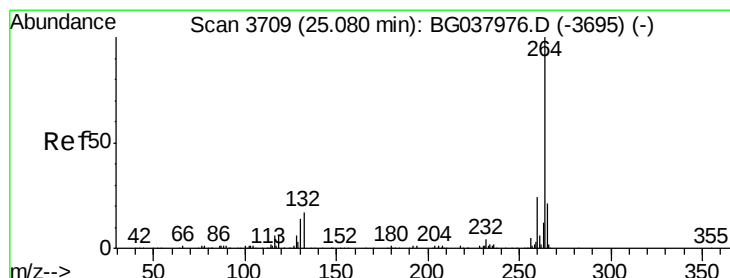
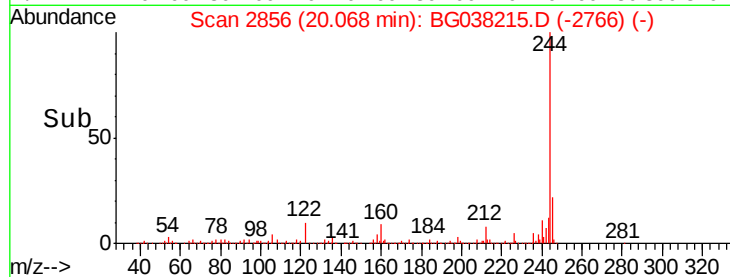
20.07

20.00

20.10

20.20

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3709

Delta R.T. -0.00 min

Lab File: BG038215.D

Acq: 29 Nov 2018 1:09

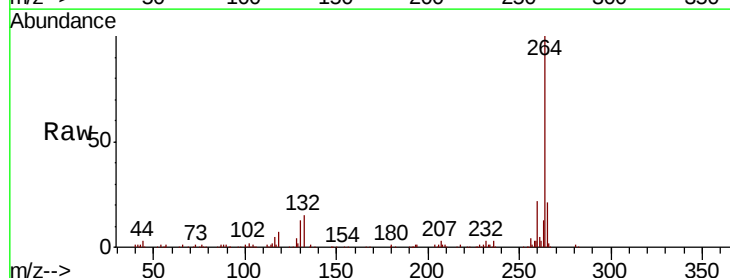
Tgt Ion:264 Resp: 237287

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.4

265 21.1 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

60000

40000

20000

0

25.08

25.00

25.20

Time-->

