

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038269.D
 Acq On : 30 Nov 2018 22:37
 Operator : JU/SJ
 Sample : J6129-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 112818-TIPC-F-D-S

Quant Time: Dec 01 03:32:09 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

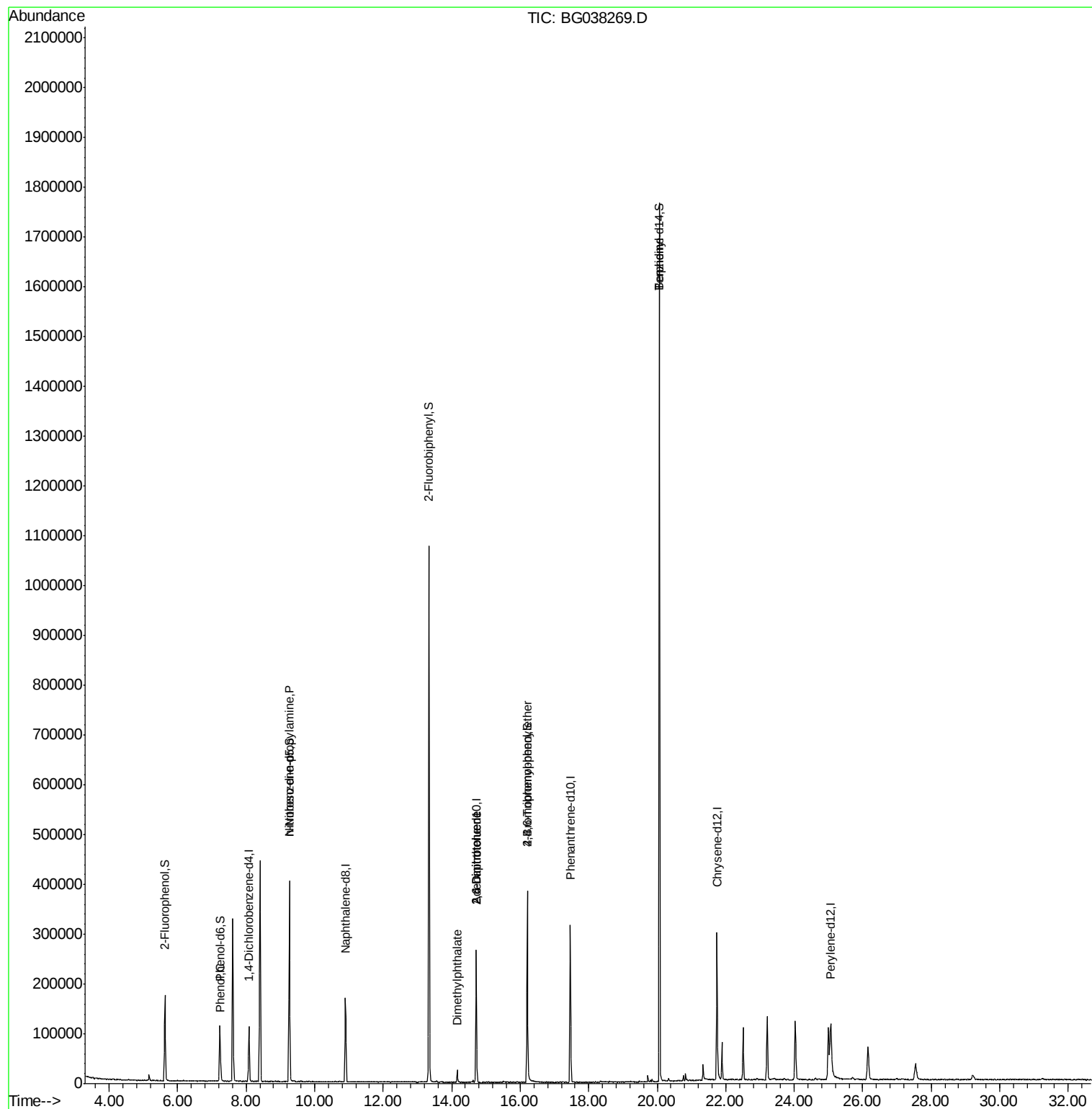
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	32558	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	151664	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	94658	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	211563	20.00	ng	0.00
76) Chrysene-d12	21.74	240	197716	20.00	ng	0.00
87) Perylene-d12	25.06	264	169248	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	79710	42.27	ng	0.00
7) Phenol-d6	7.23	99	68859	25.58	ng	0.00
23) Nitrobenzene-d5	9.26	82	253469	89.46	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	75729	70.15	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	577646	88.90	ng	0.00
79) Terphenyl-d14	20.06	244	819144	97.49	ng	0.00
Target Compounds						
10) Phenol	7.26	94	17264	6.055	ng	97
19) n-Nitroso-di-n-propylamine	9.26	70	32266	16.566	ng	# 79
50) Dimethylphthalate	14.17	163	19908	2.653	ng	# 95
51) 2,6-Dinitrotoluene	14.72	165	12089	7.118	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	12089	5.231	ng	# 24
67) 4-Bromophenyl-phenylether	16.20	248	5265	2.267	ng	# 1
77) Benzidine	20.06	184	14431	2.080	ng	# 94

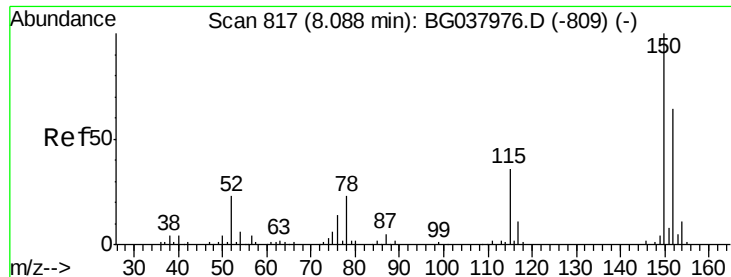
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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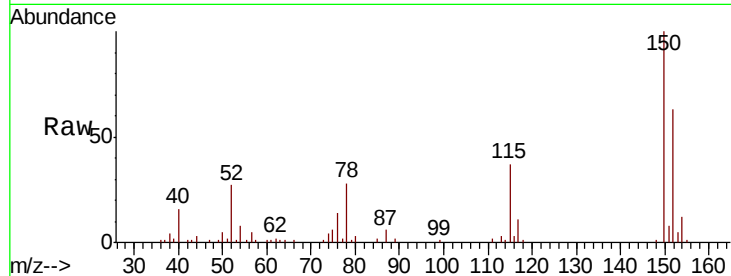


#1

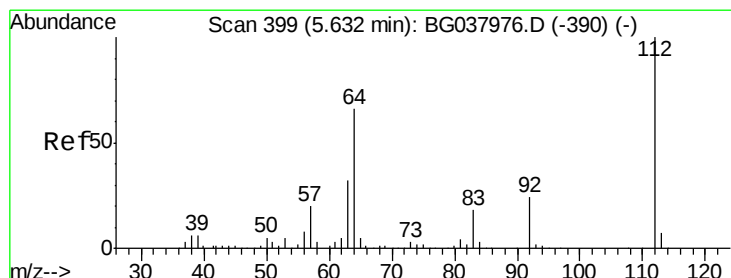
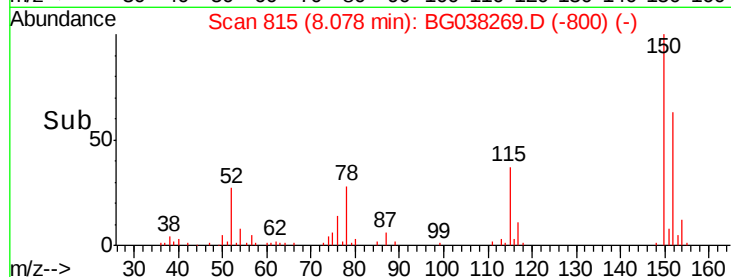
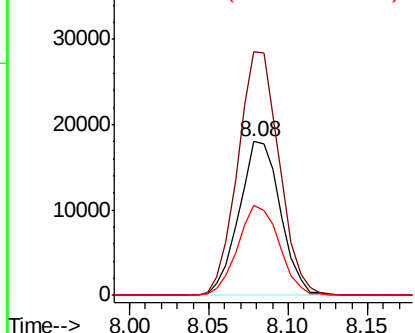
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG038269.D
Acq: 30 Nov 2018 22:37

Instrument :
BNA_G
ClientSampleId :
112818-TIPC-F-D-S

Tot Ion:152 Resp: 32558
Ion Ratio Lower Upper
152 100
150 158.5 126.0 189.0
115 58.4 45.5 68.3



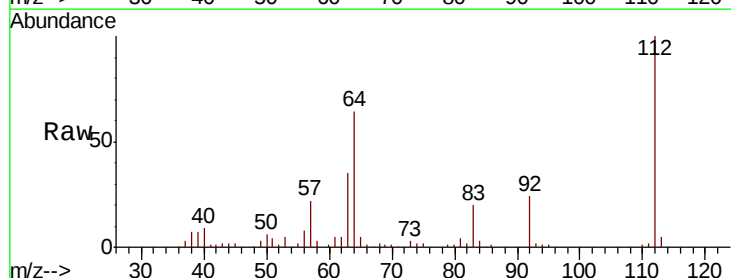
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



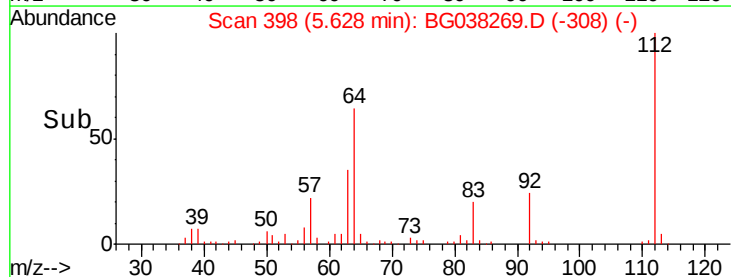
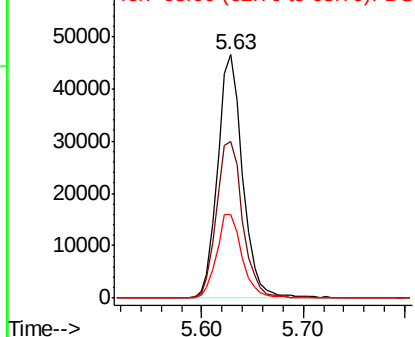
#5

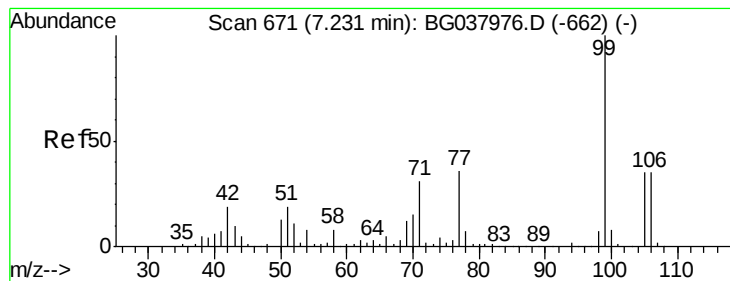
2-Fluorophenol
Concen: 42.271 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038269.D
Acq: 30 Nov 2018 22:37

Tgt Ion:112 Resp: 79710
Ion Ratio Lower Upper
112 100
64 64.2 53.1 79.7
63 34.6 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: 25.582 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

Instrument :

BNA_G

ClientSampleId :

112818-TIPC-F-D-S

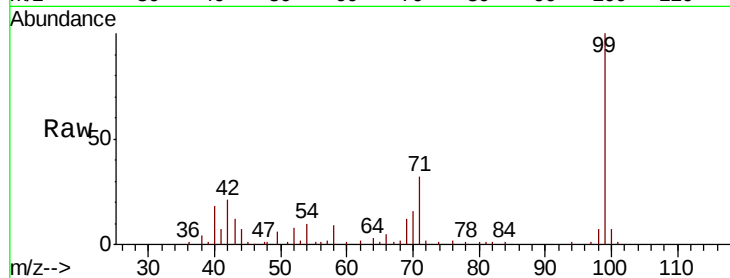
Tot Ion: 99 Resp: 68859

Ion Ratio Lower Upper

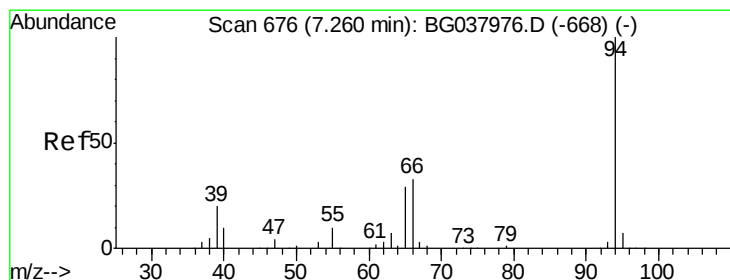
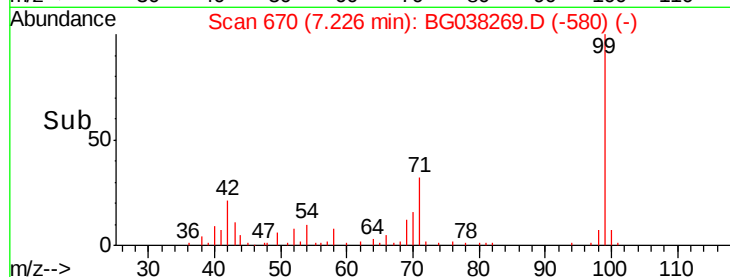
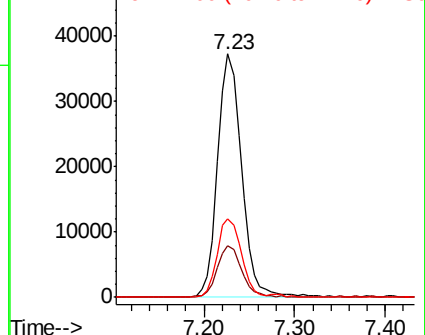
99 100

42 21.4 15.0 22.4

71 32.5 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: 6.055 ng

RT: 7.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

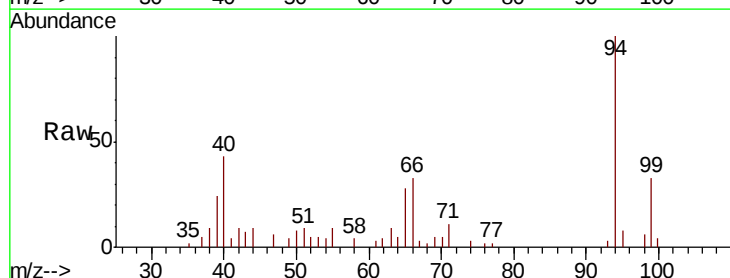
Tgt Ion: 94 Resp: 17264

Ion Ratio Lower Upper

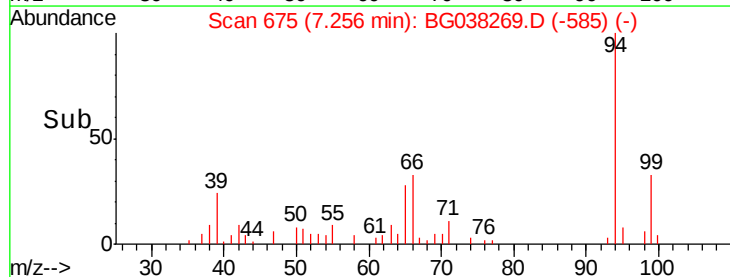
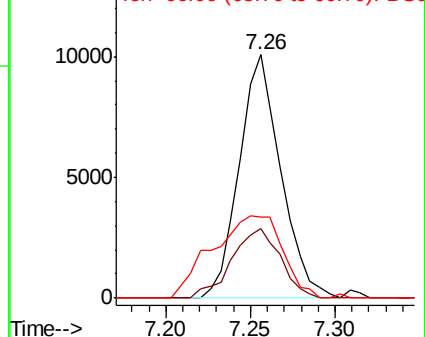
94 100

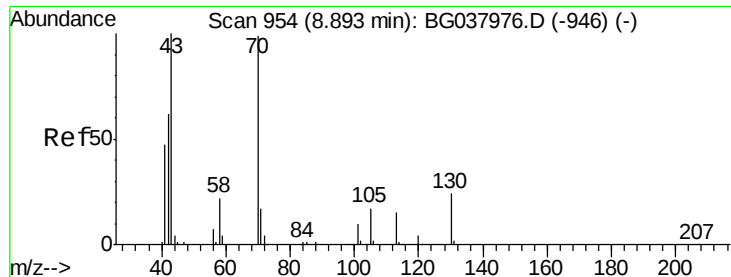
65 28.5 9.7 49.7

66 33.5 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: 16.566 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

Instrument :

BNA_G

ClientSampleId :

112818-TIPC-F-D-S

Tot Ion: 70 Resp: 32266

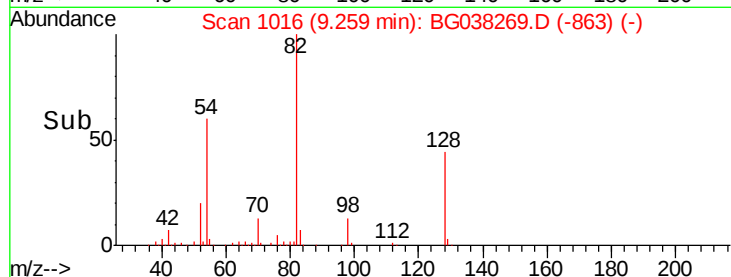
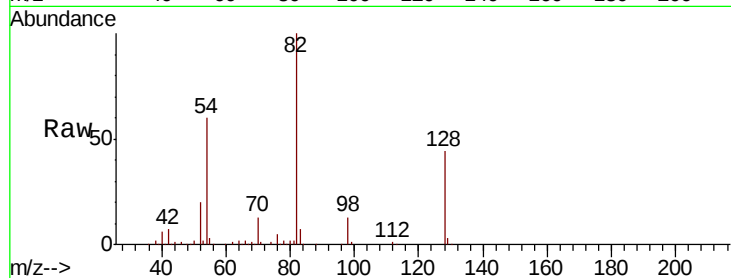
Ion Ratio Lower Upper

70 100

42 56.3 53.9 80.9

101 0.0 8.2 12.2#

130 3.0 18.2 27.4#

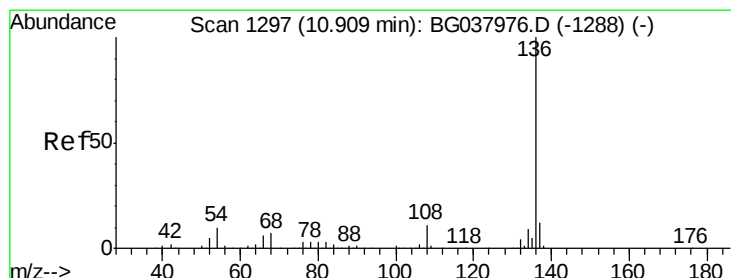
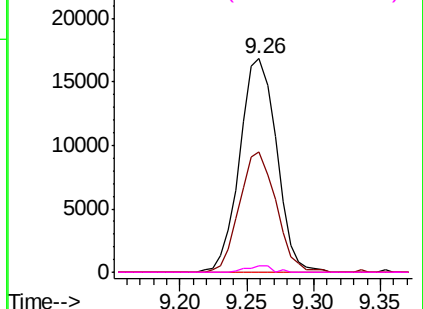


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

Tgt Ion: 136 Resp: 151664

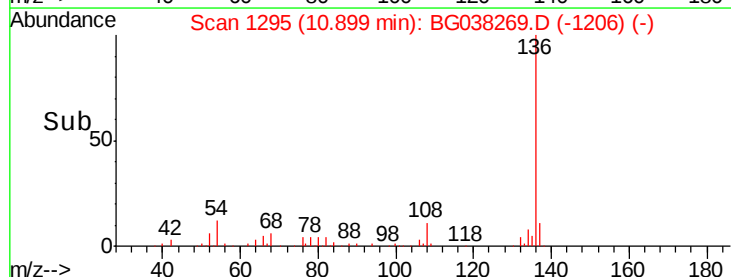
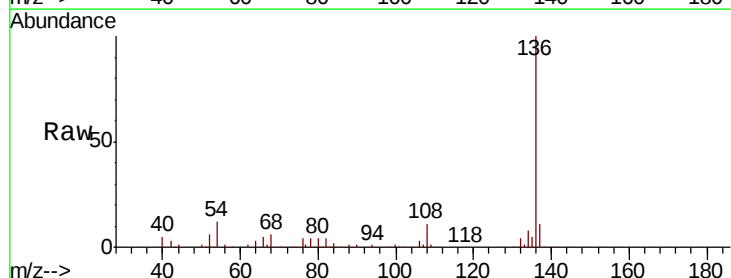
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 11.8 7.9 11.9

68 5.9 4.8 7.2

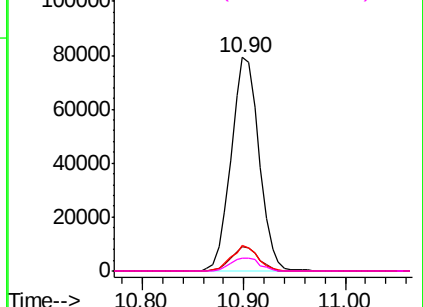


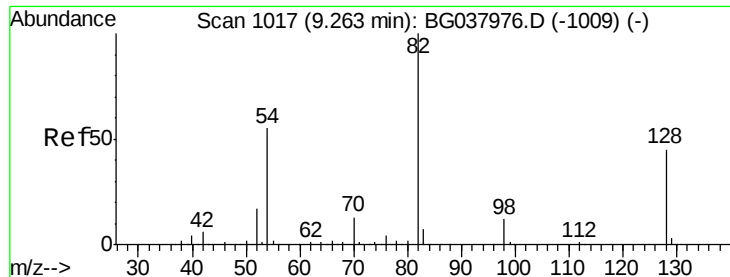
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 89.463 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

Instrument :

BNA_G

ClientSampleId :

112818-TIPC-F-D-S

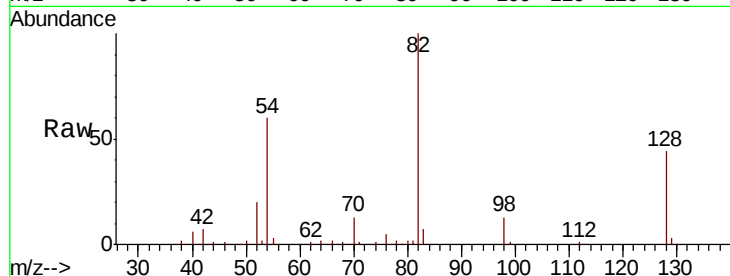
Tot Ion: 82 Resp: 253469

Ion Ratio Lower Upper

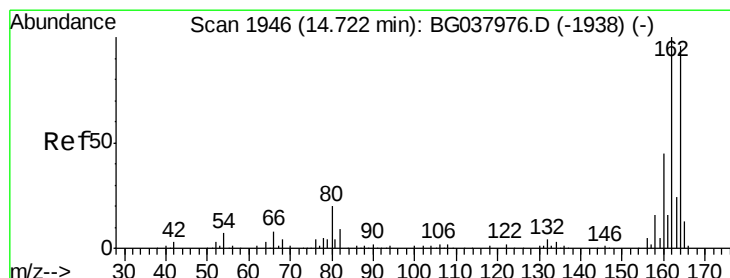
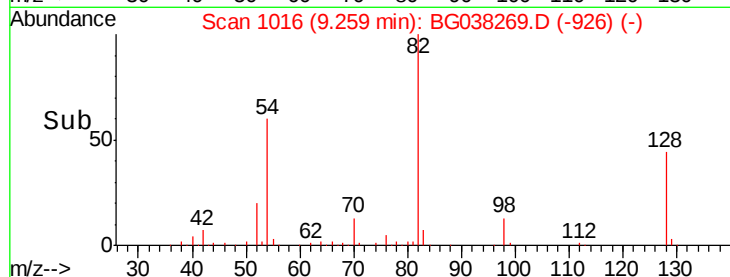
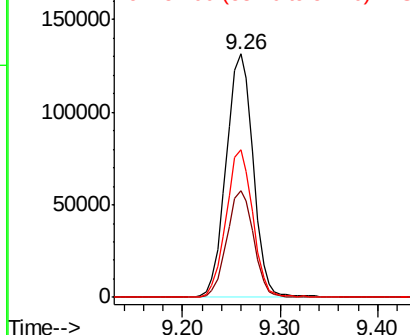
82 100

128 44.0 34.6 51.8

54 60.4 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. -0.00 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

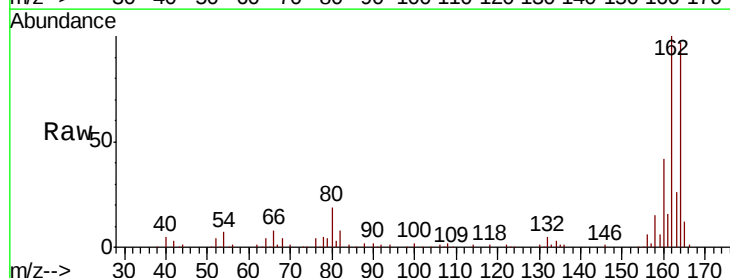
Tgt Ion:164 Resp: 94658

Ion Ratio Lower Upper

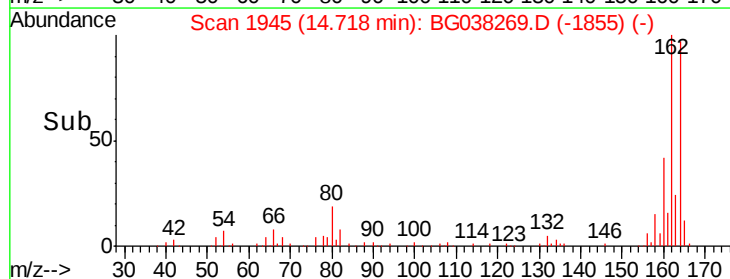
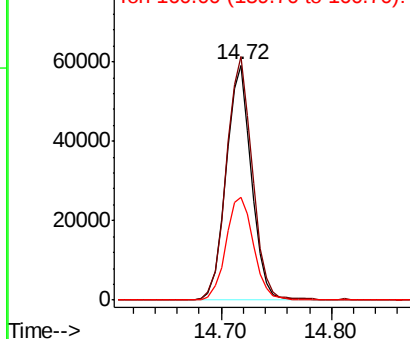
164 100

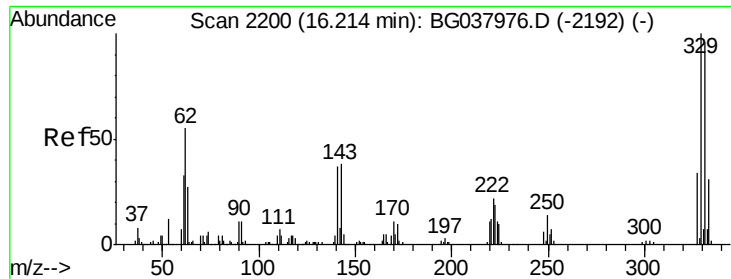
162 103.5 81.3 121.9

160 43.6 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: 70.149 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

Instrument :

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ClientSampleId :

112818-TIPC-F-D-S

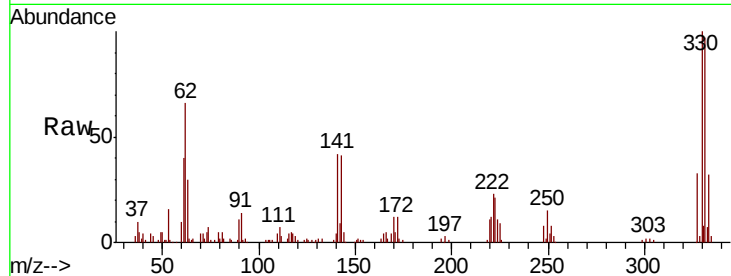
Tot Ion:330 Resp: 75729

Ion Ratio Lower Upper

330 100

332 94.4 78.4 117.6

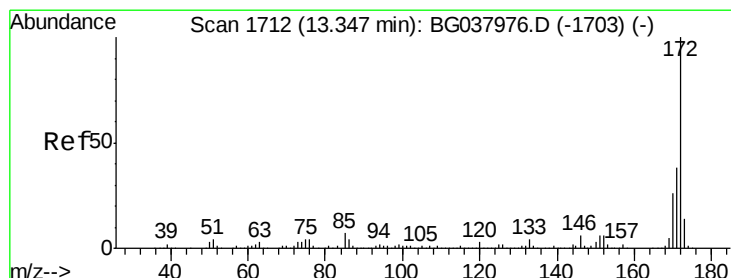
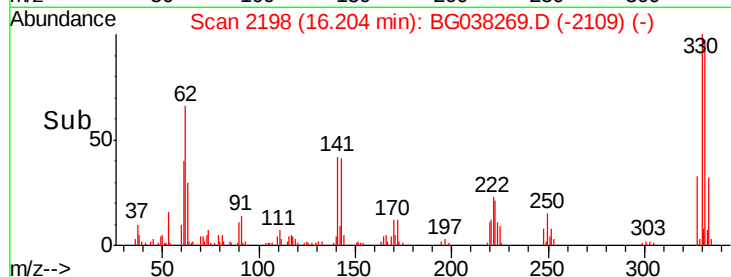
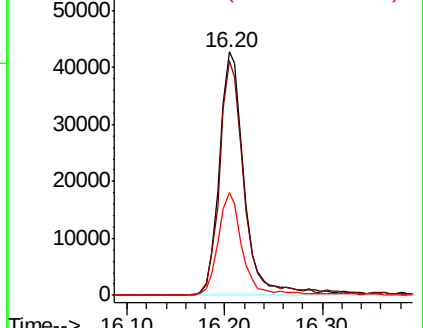
141 41.0 32.2 48.2



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: 88.904 ng

RT: 13.34 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

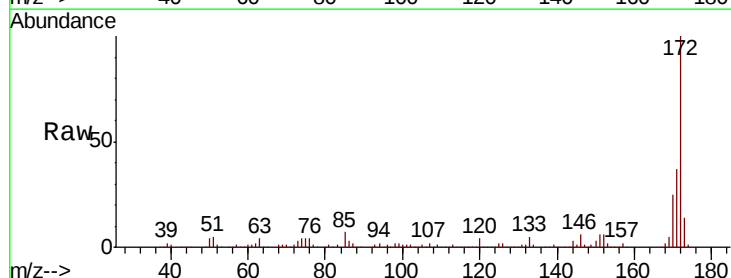
Tgt Ion:172 Resp: 577646

Ion Ratio Lower Upper

172 100

171 37.2 31.0 46.4

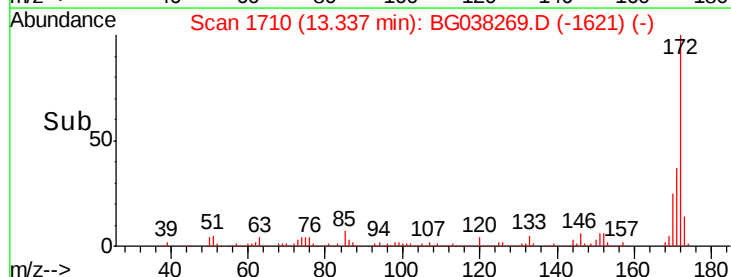
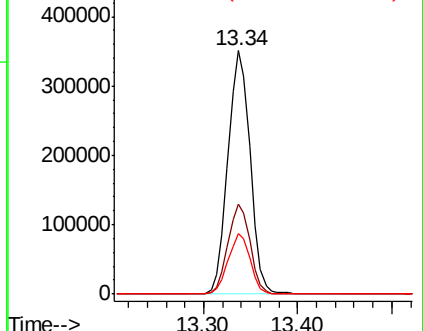
170 24.9 20.2 30.2

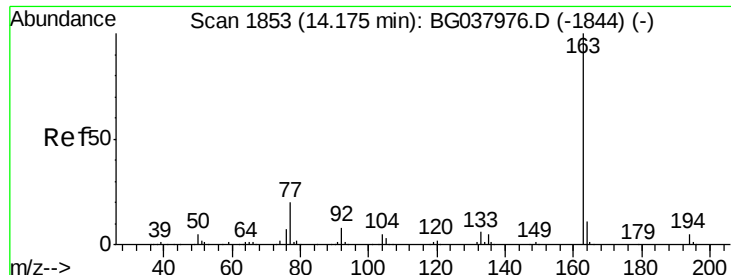


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.653 ng

RT: 14.17 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

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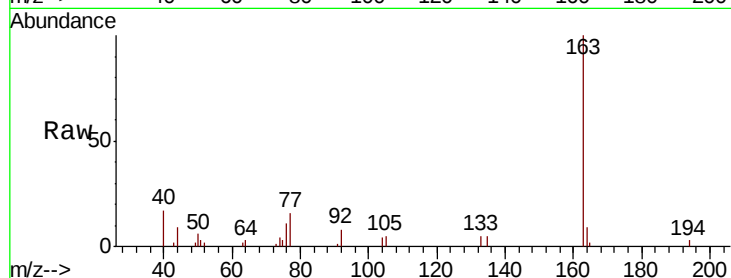
Tot Ion:163 Resp: 19908

Ion Ratio Lower Upper

163 100

194 2.7 3.5 5.3#

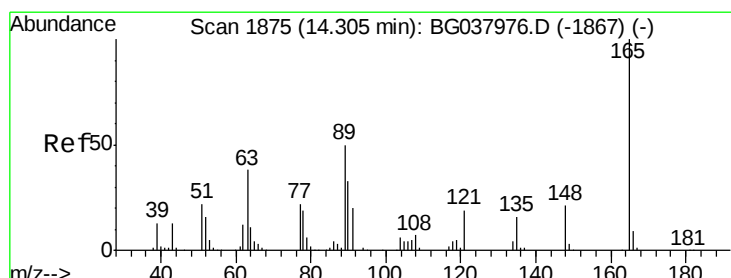
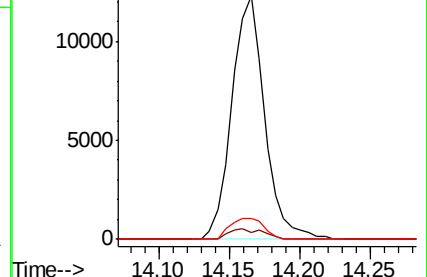
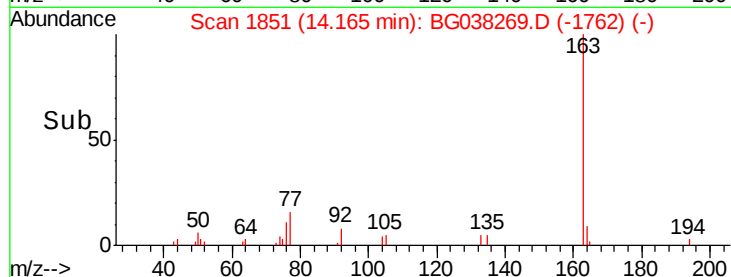
164 8.6 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.118 ng

RT: 14.72 min Scan# 1945

Delta R.T. 0.41 min

Lab File: BG038269.D

Acq: 30 Nov 2018 22:37

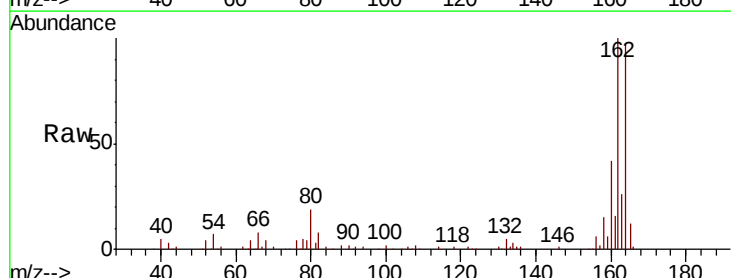
Tgt Ion:165 Resp: 12089

Ion Ratio Lower Upper

165 100

63 2.0 43.4 65.2#

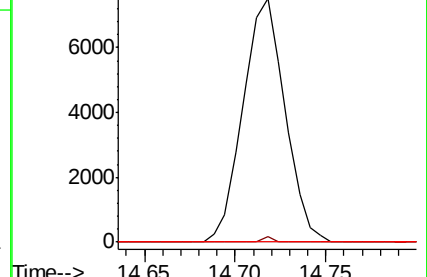
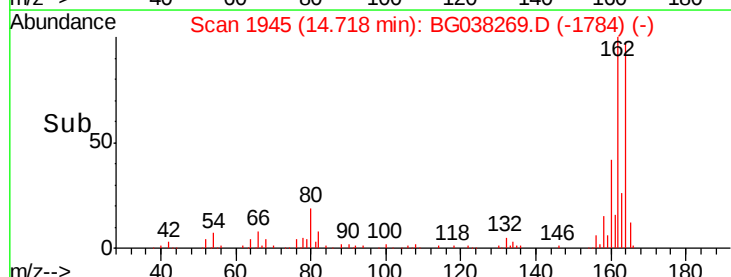
89 0.0 45.8 68.6#

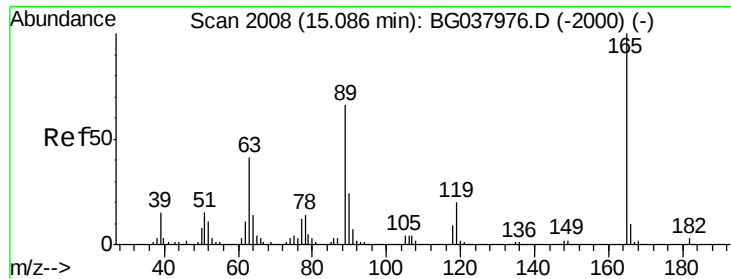


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

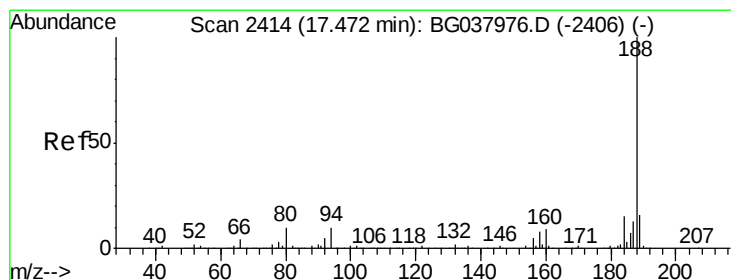
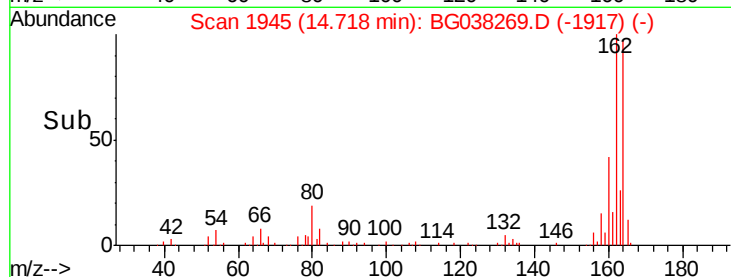
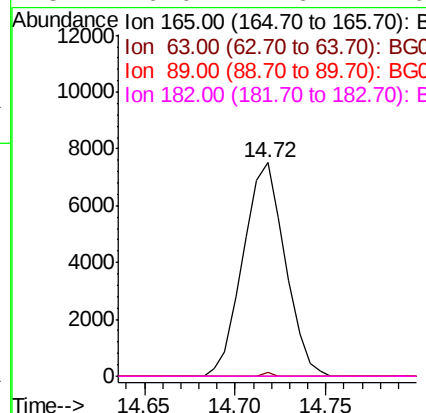
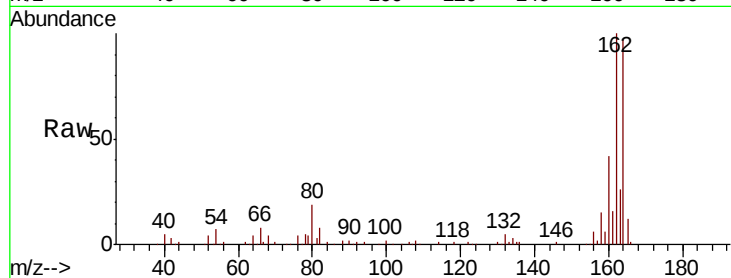




#57
 2,4-Dinitrotoluene
 Concen: 5.231 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038269.D
 Acq: 30 Nov 2018 22:37

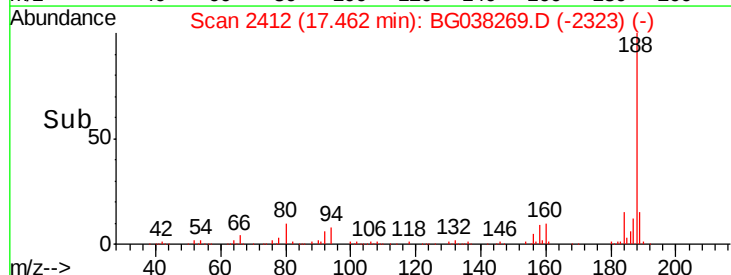
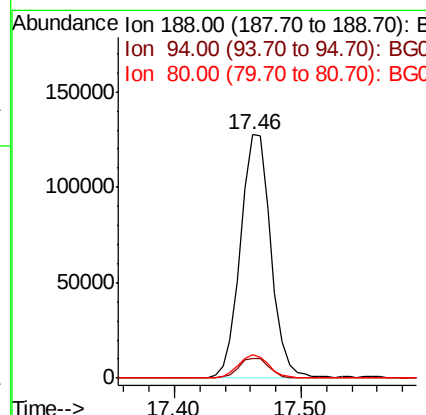
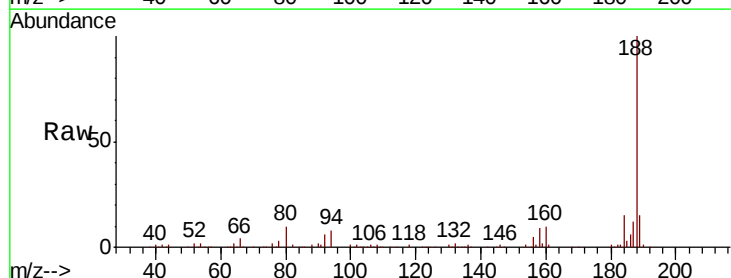
Instrument :
 BNA_G
 ClientSampleId :
 112818-TIPC-F-D-S

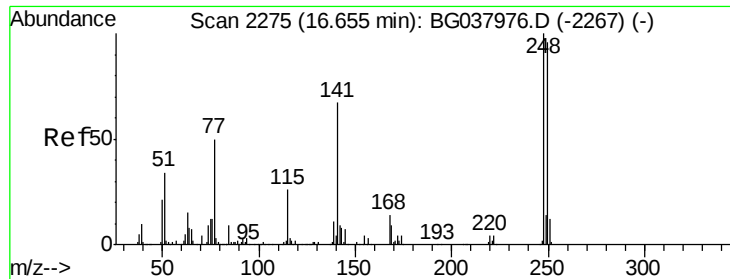
Tot Ion:165	Resp:	12089
Ion Ratio	Lower	Upper
165	100	
63	2.0	33.4 50.0#
89	0.0	57.2 85.8#
182	0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG038269.D
 Acq: 30 Nov 2018 22:37

Tgt Ion:188	Resp:	211563
Ion Ratio	Lower	Upper
188	100	
94	8.1	7.2 10.8
80	9.9	7.7 11.5

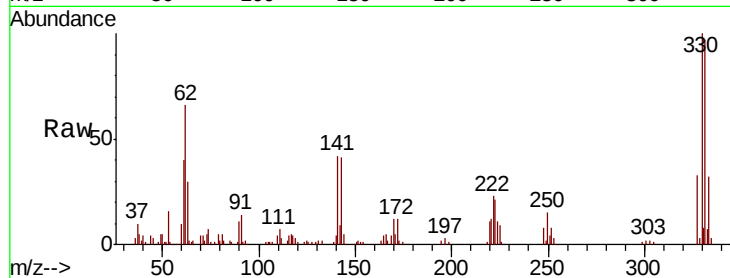




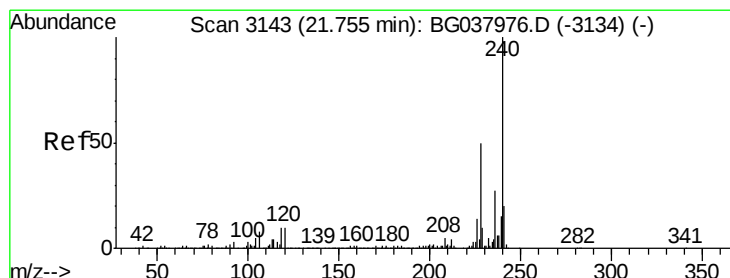
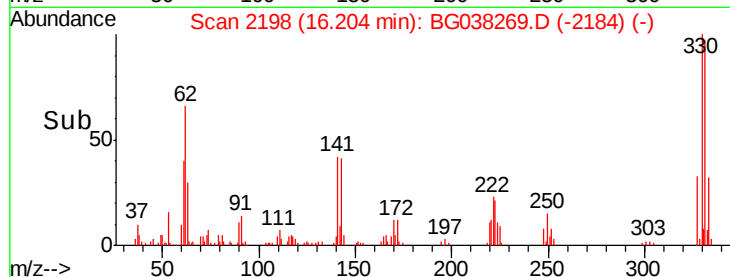
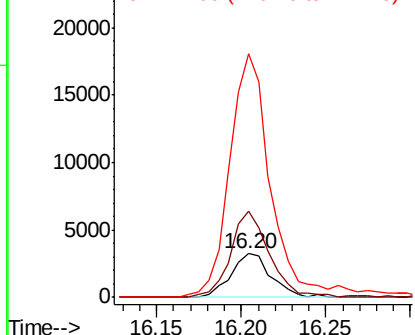
#67
4-Bromophenyl-phenylether
Concen: 2.267 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG038269.D
Acq: 30 Nov 2018 22:37

Instrument :
BNA_G
ClientSampleId :
112818-TIPC-F-D-S

Tot Ion:248 Resp: 5265
Ion Ratio Lower Upper
248 100
250 202.8 77.0 115.6#
141 447.8 55.5 83.3#

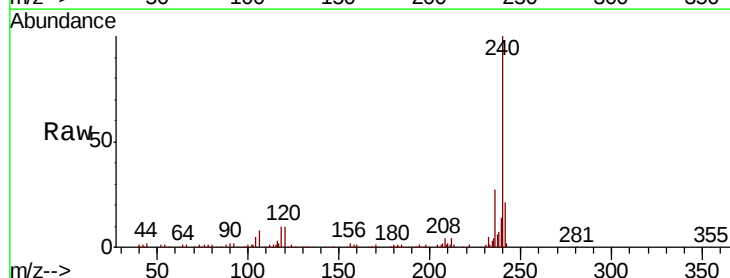


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

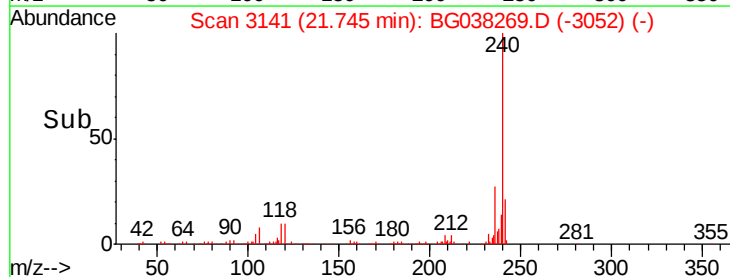
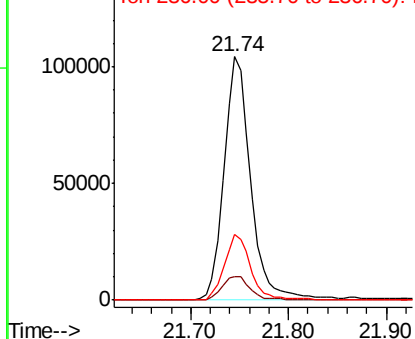


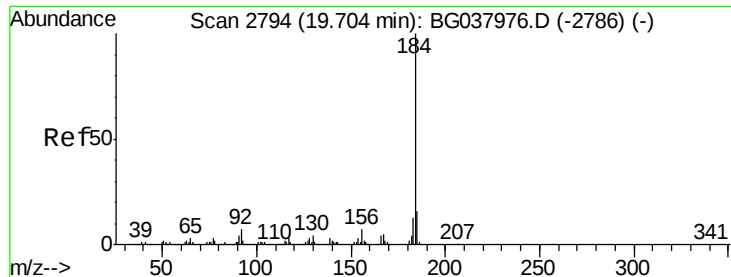
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038269.D
Acq: 30 Nov 2018 22:37

Tgt Ion:240 Resp: 197716
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 26.9 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

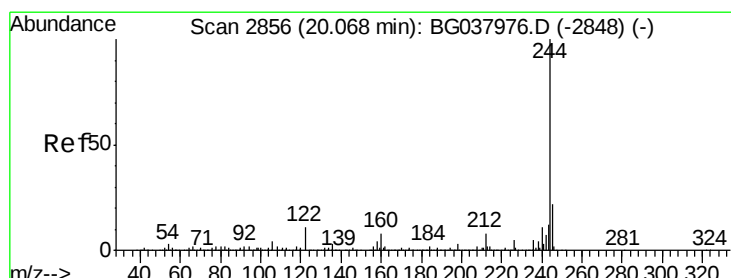
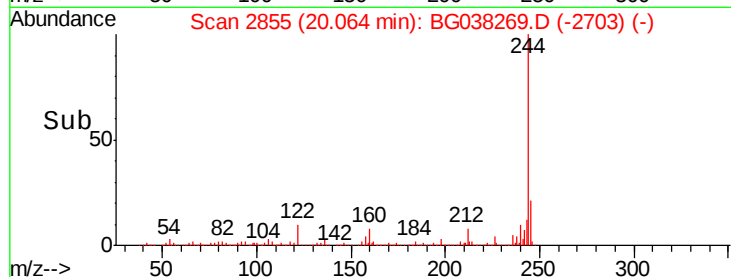
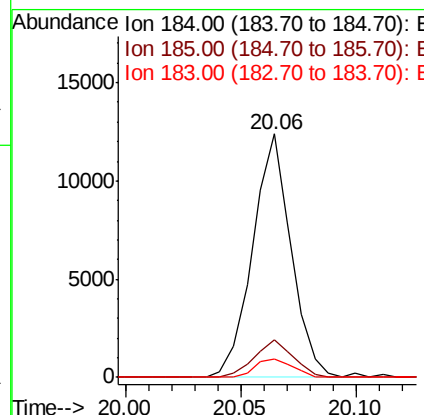
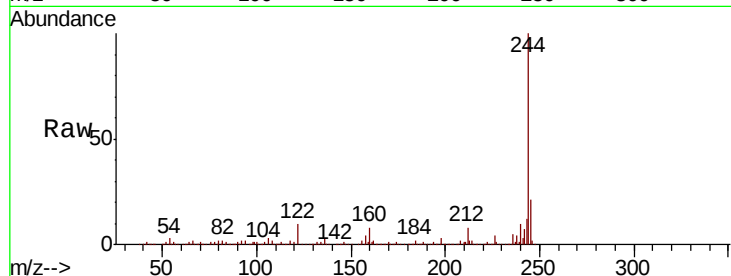




#77
Benzidine
Concen: 2.080 ng
RT: 20.06 min Scan# 2855
Delta R.T. 0.36 min
Lab File: BG038269.D
Acq: 30 Nov 2018 22:37

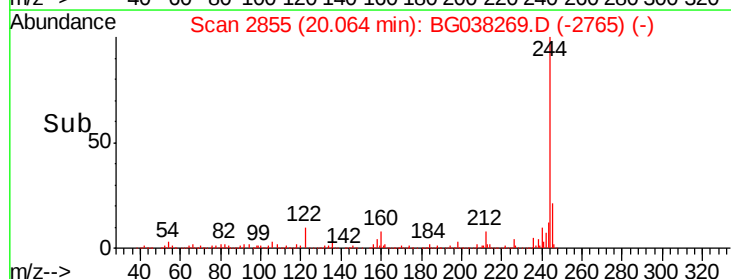
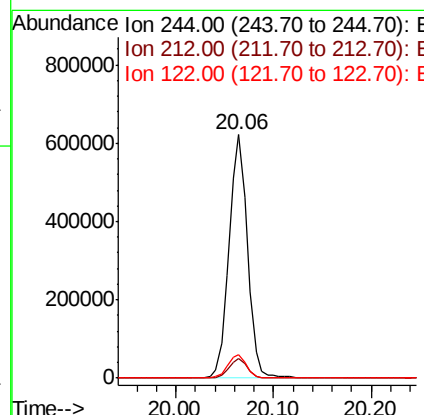
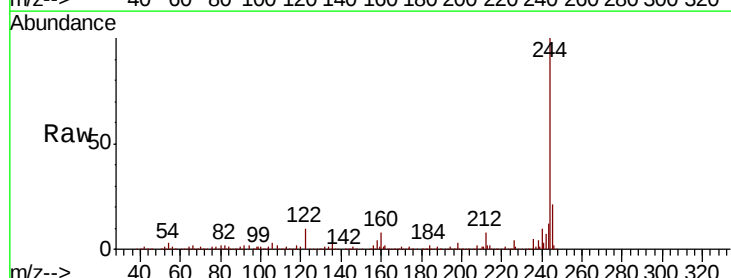
Instrument :
BNA_G
ClientSampleId :
112818-TIPC-F-D-S

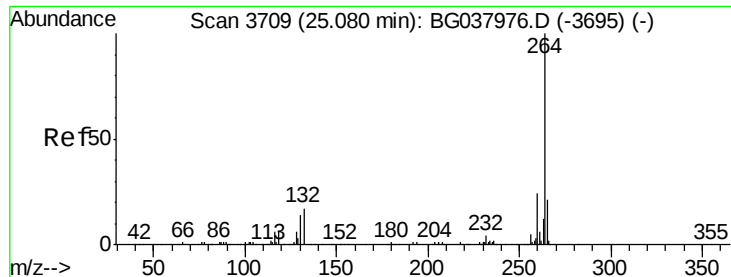
Tot Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	7.6	10.2	15.2



#79
Terphenyl-d14
Concen: 97.486 ng
RT: 20.06 min Scan# 2855
Delta R.T. -0.00 min
Lab File: BG038269.D
Acq: 30 Nov 2018 22:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	9.6	9.0	13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.06 min Scan# 3706
 Delta R.T. -0.02 min
 Lab File: BG038269.D
 Acq: 30 Nov 2018 22:37

Instrument :
 BNA_G
 ClientSampleId :
 112818-TIPC-F-D-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.2	27.4
265	23.3	17.9	26.9

