

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038281.D
 Acq On : 1 Dec 2018 7:09
 Operator : JU/SJ
 Sample : J6129-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Dec 03 00:01:56 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

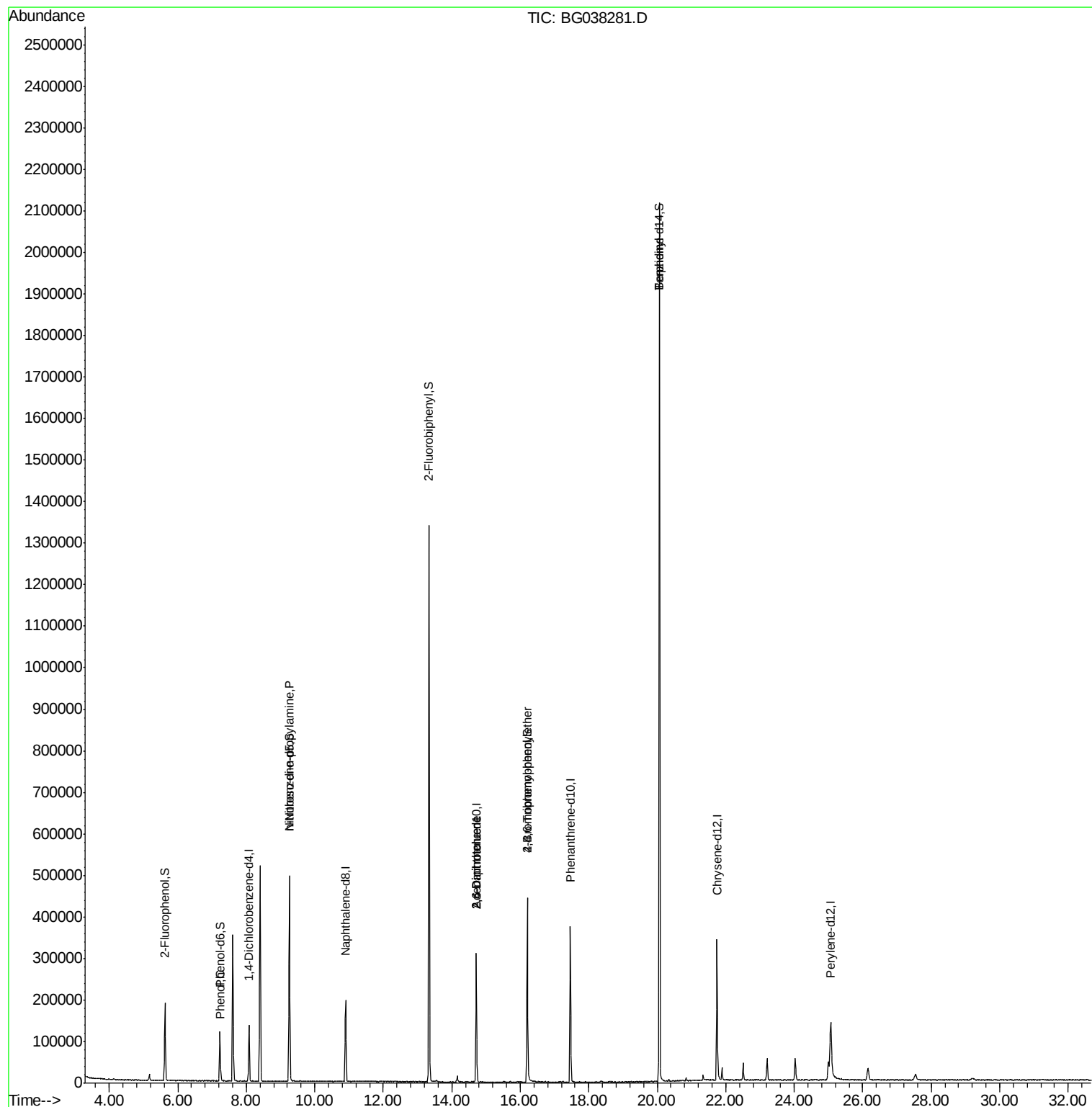
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	38372	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	176075	20.00	ng	-0.01
39) Acenaphthene-d10	14.72	164	111886	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	244738	20.00	ng	0.00
76) Chrysene-d12	21.74	240	231085	20.00	ng	-0.01
87) Perylene-d12	25.06	264	210954	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	83253	37.46	ng	0.00
7) Phenol-d6	7.23	99	74532	23.49	ng	0.00
23) Nitrobenzene-d5	9.26	82	306671	93.23	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	89773	70.35	ng	-0.01
45) 2-Fluorobiphenyl	13.33	172	708086	92.20	ng	-0.01
79) Terphenyl-d14	20.06	244	1027213	104.60	ng	0.00
Target Compounds						
10) Phenol	7.25	94	9286	2.763	ng	94
19) n-Nitroso-di-n-propylamine	9.26	70	38999	16.989	ng	# 82
51) 2,6-Dinitrotoluene	14.72	165	14287	7.117	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	14287	5.231	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	6206	2.310	ng	# 1
77) Benzidine	20.06	184	18280	2.254	ng	# 90

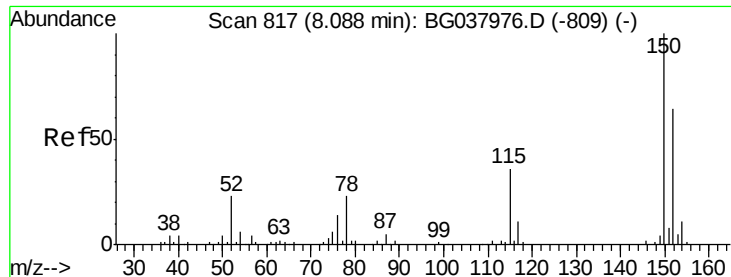
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration



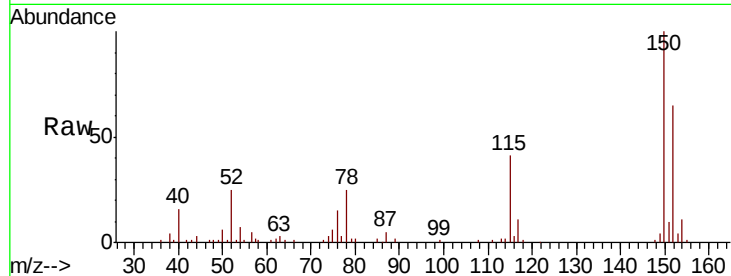


#1

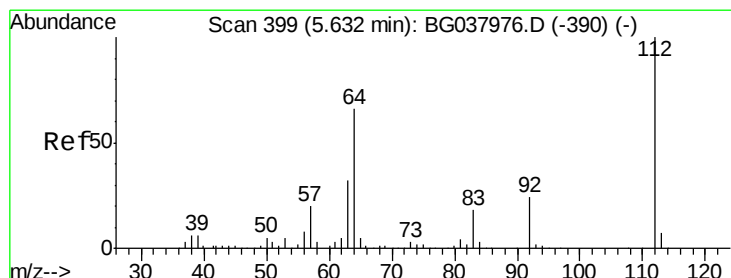
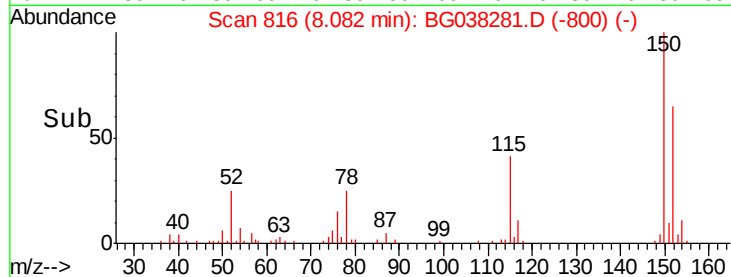
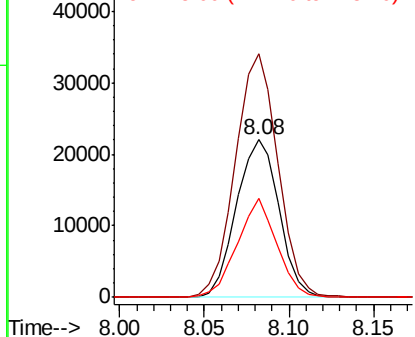
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038281.D
Acq: 1 Dec 2018 7:09

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

Tot Ion:152 Resp: 38372
Ion Ratio Lower Upper
152 100
150 154.7 126.0 189.0
115 63.0 45.5 68.3



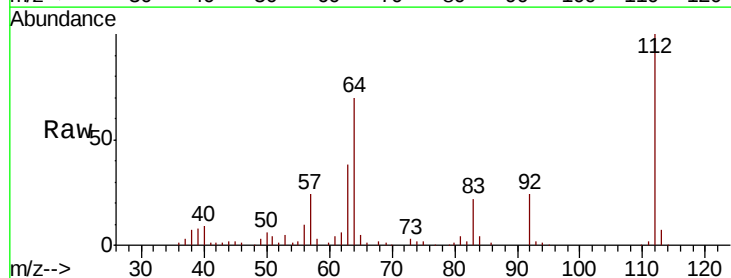
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



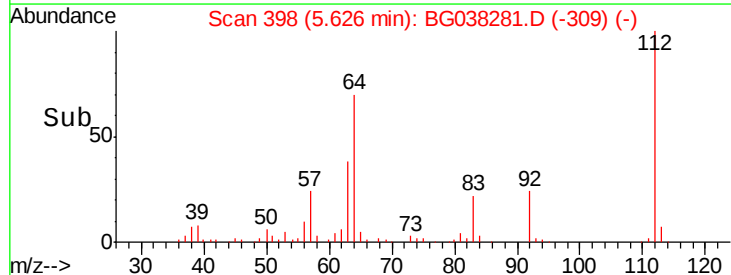
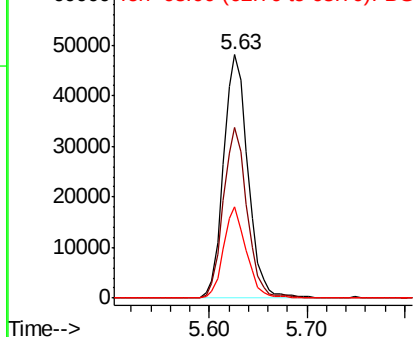
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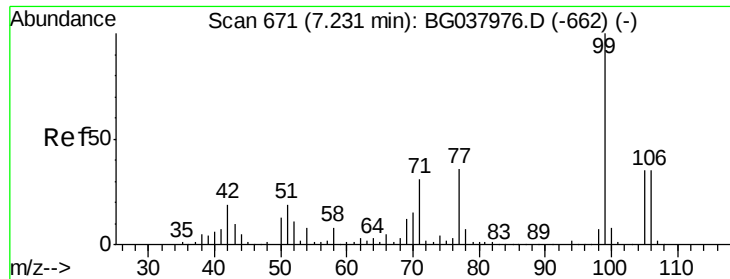
2-Fluorophenol
Concen: 37.460 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG038281.D
Acq: 1 Dec 2018 7:09

Tgt Ion:112 Resp: 83253
Ion Ratio Lower Upper
112 100
64 69.9 53.1 79.7
63 37.5 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: 23.494 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-S

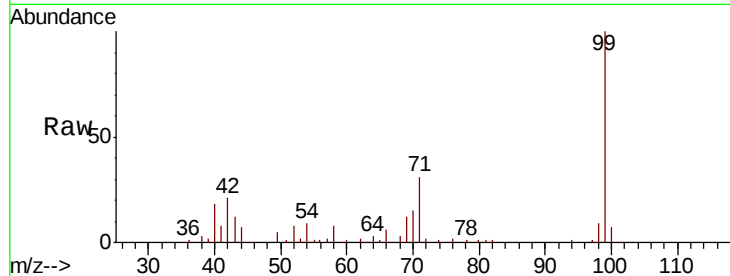
Tot Ion: 99 Resp: 74532

Ion Ratio Lower Upper

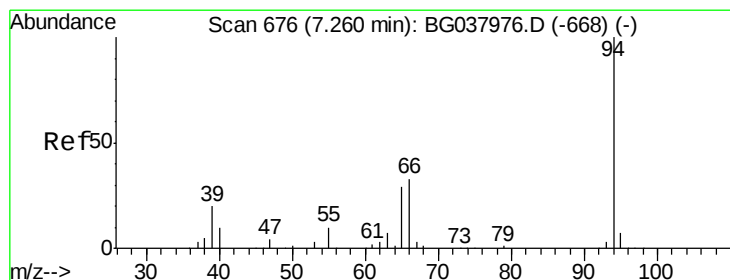
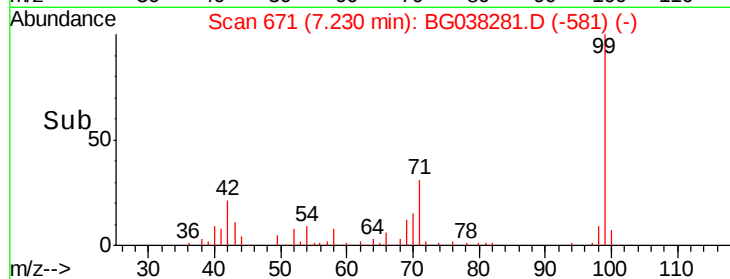
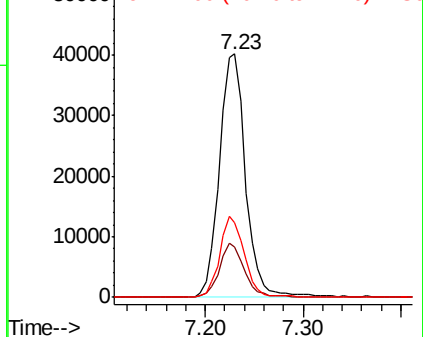
99 100

42 20.6 15.0 22.4

71 30.9 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: 2.763 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.01 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

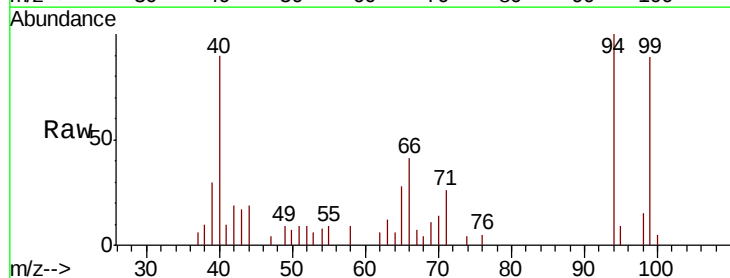
Tgt Ion: 94 Resp: 9286

Ion Ratio Lower Upper

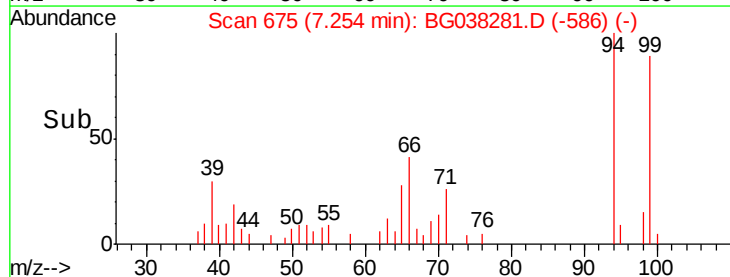
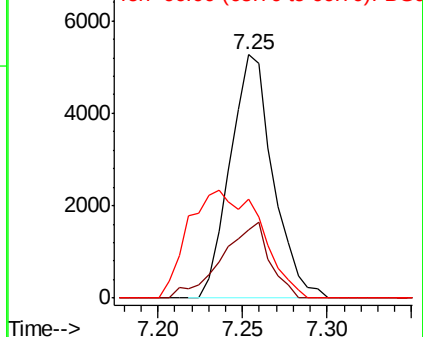
94 100

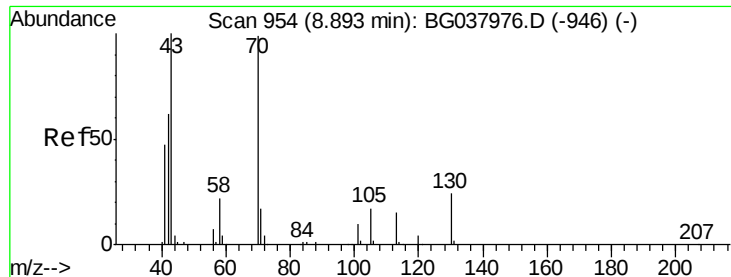
65 28.3 9.7 49.7

66 40.5 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: 16.989 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-S

Tot Ion: 70 Resp: 38999

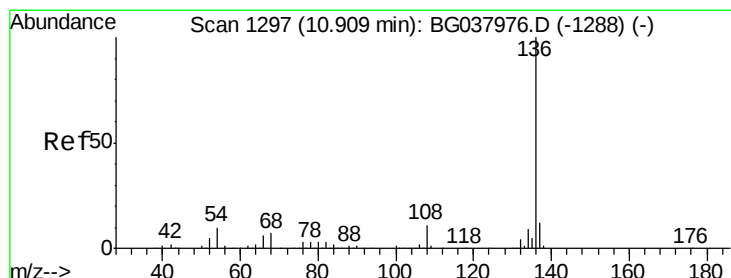
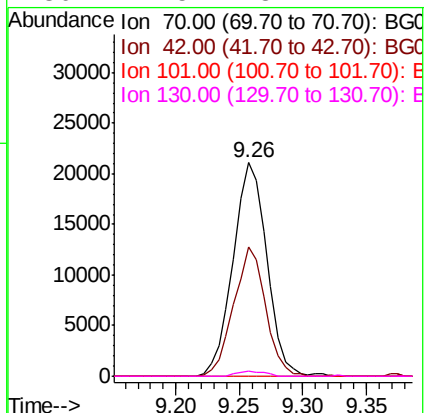
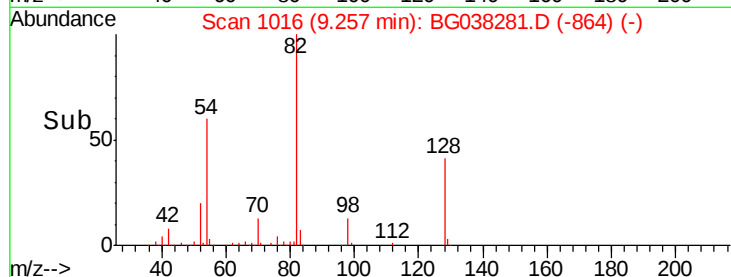
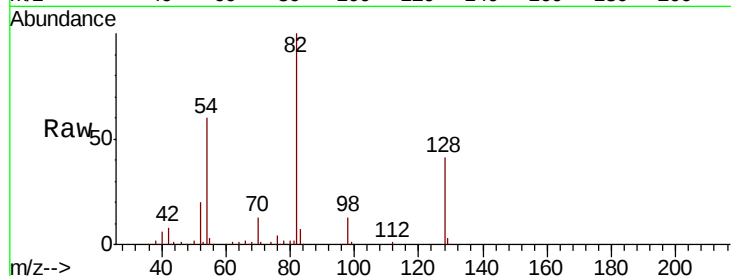
Ion Ratio Lower Upper

70 100

42 60.3 53.9 80.9

101 0.0 8.2 12.2#

130 2.5 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

Tgt Ion: 136 Resp: 176075

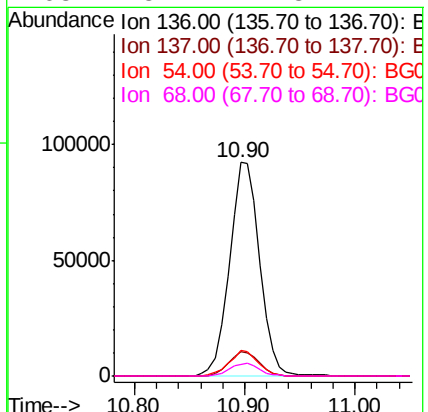
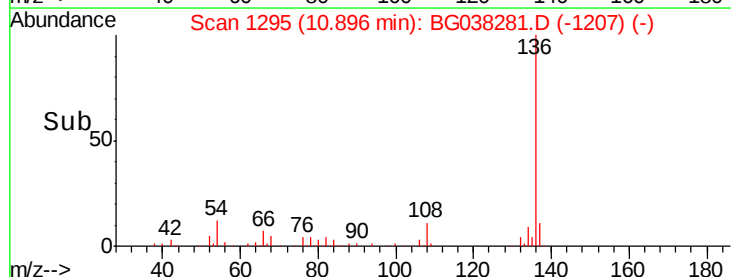
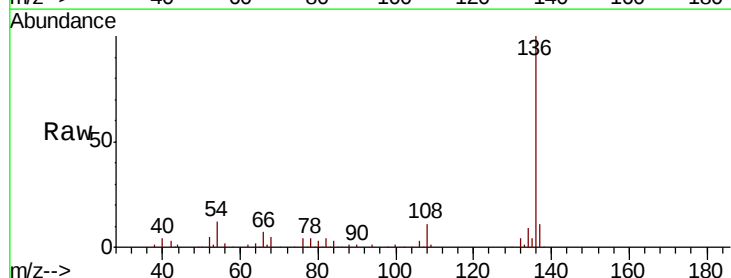
Ion Ratio Lower Upper

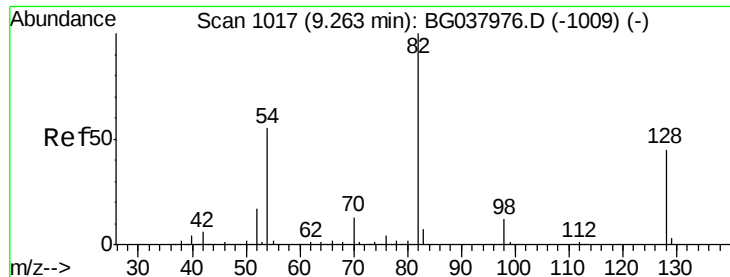
136 100

137 11.3 9.6 14.4

54 11.9 7.9 11.9#

68 5.4 4.8 7.2

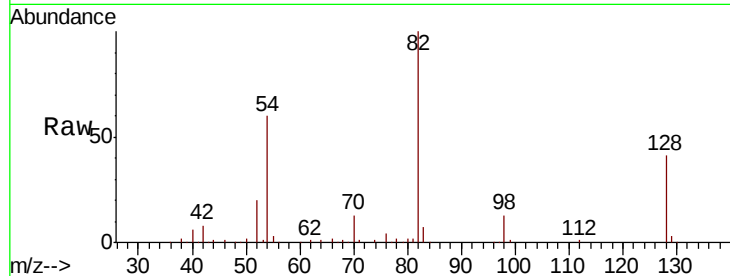




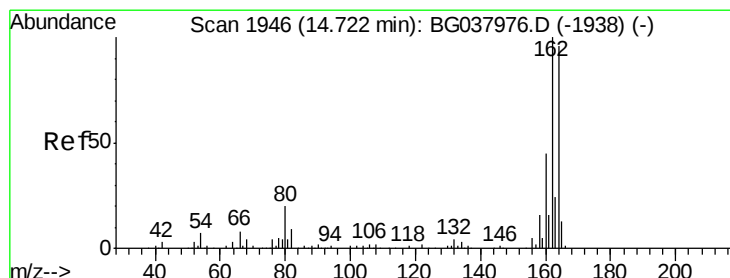
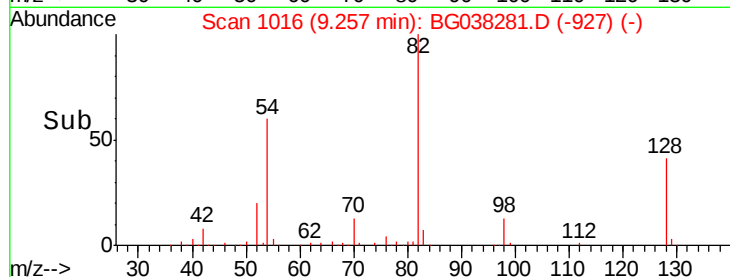
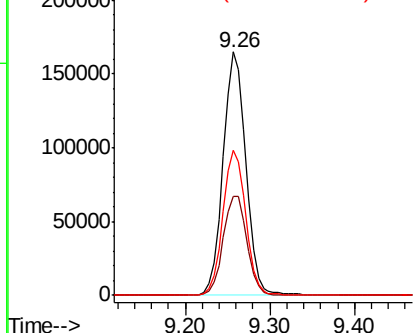
#23
Nitrobenzene-d5
Concen: 93.234 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG038281.D
Acq: 1 Dec 2018 7:09

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

Tot Ion: 82 Resp: 306671
Ion Ratio Lower Upper
82 100
128 40.5 34.6 51.8
54 59.6 45.3 67.9

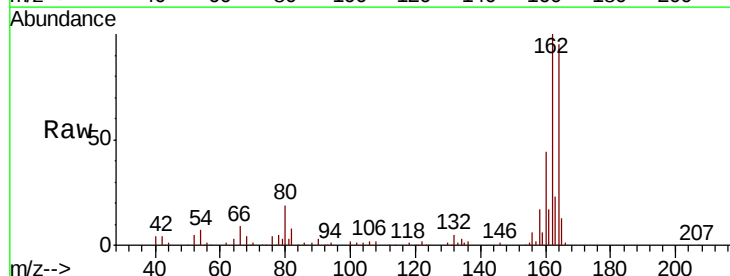


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

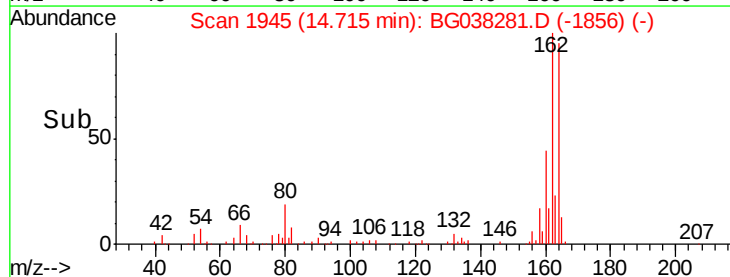
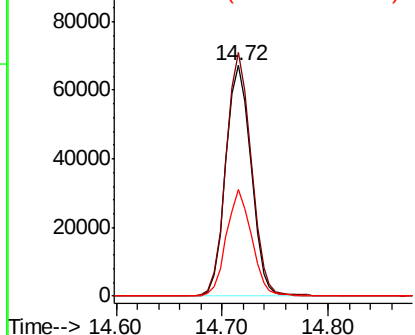


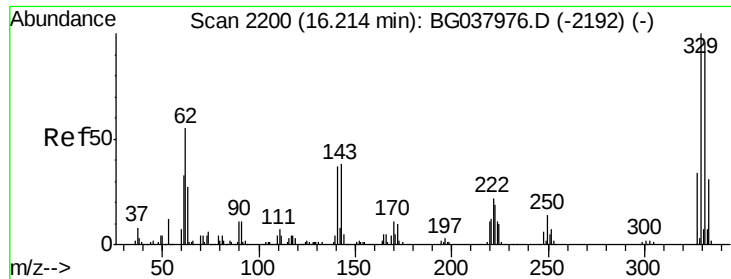
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG038281.D
Acq: 1 Dec 2018 7:09

Tgt Ion: 164 Resp: 111886
Ion Ratio Lower Upper
164 100
162 105.6 81.3 121.9
160 46.4 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

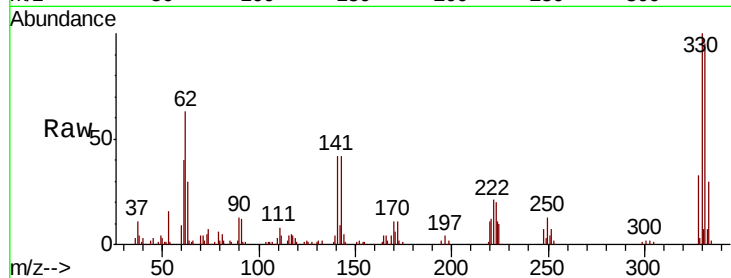




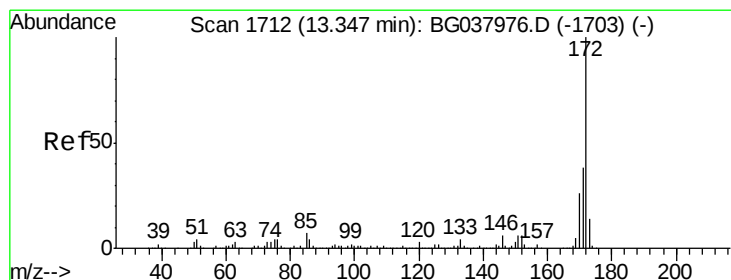
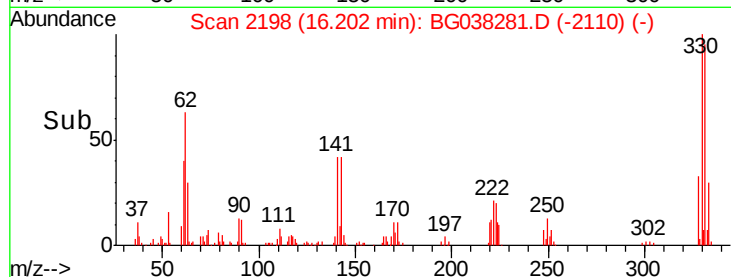
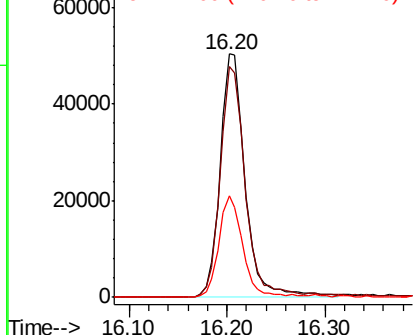
#42
 2,4,6-Tribromophenol
 Concen: 70.353 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG038281.D
 Acq: 1 Dec 2018 7:09

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

Tot Ion:330 Resp: 89773
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.4 117.6
 141 39.4 32.2 48.2

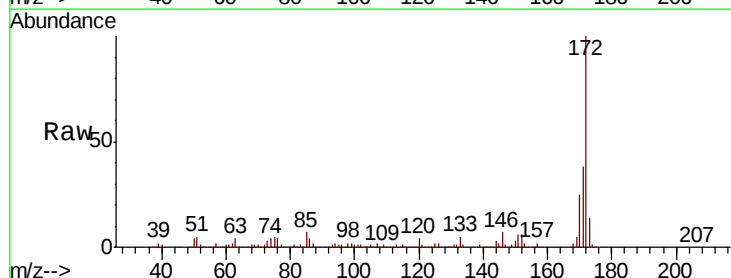


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

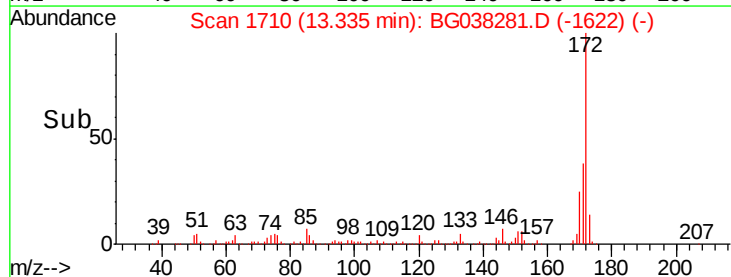
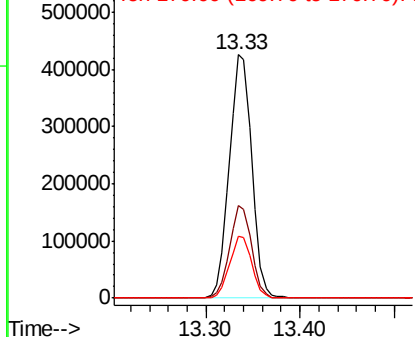


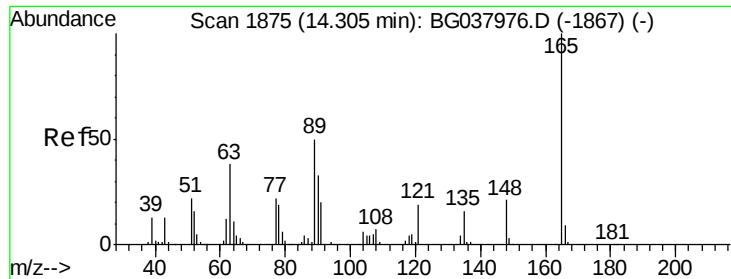
#45
 2-Fluorobiphenyl
 Concen: 92.199 ng
 RT: 13.33 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038281.D
 Acq: 1 Dec 2018 7:09

Tgt Ion:172 Resp: 708086
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.0 46.4
 170 25.3 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: 7.117 ng

RT: 14.72 min Scan# 1945

Delta R.T. 0.41 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-S

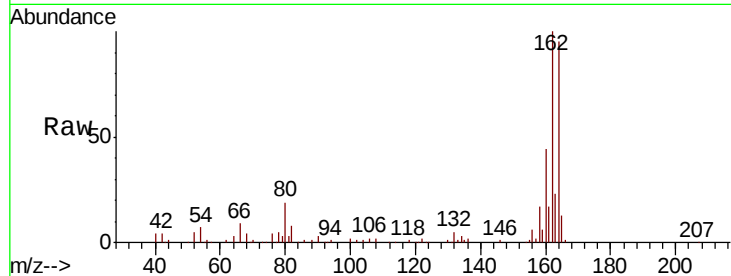
Tot Ion:165 Resp: 14287

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

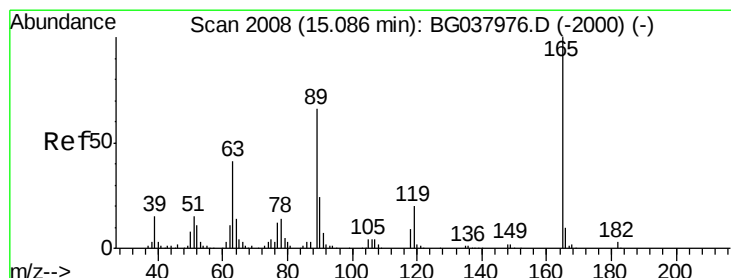
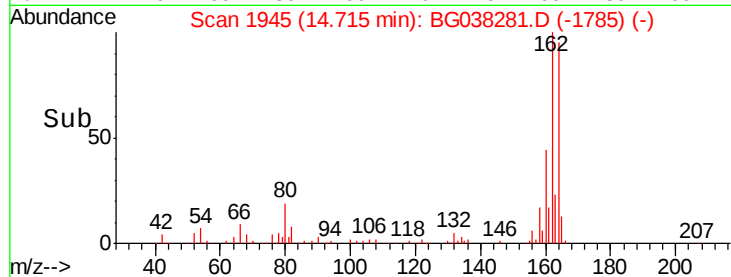
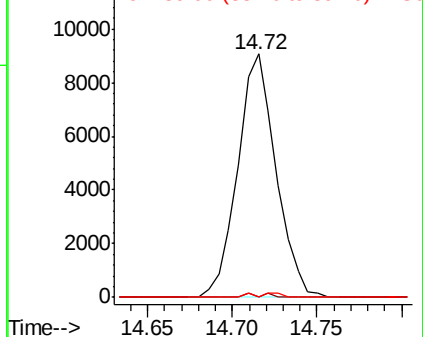
89 0.0 45.8 68.6#



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: 5.231 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.37 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

Tgt Ion:165 Resp: 14287

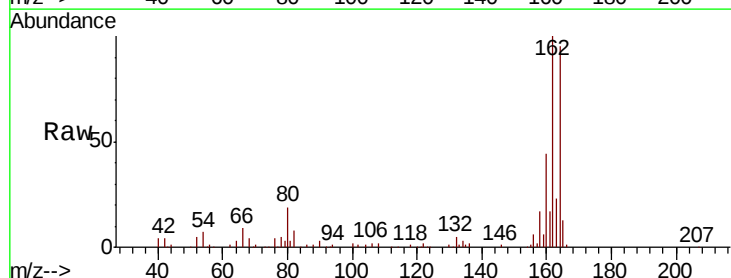
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

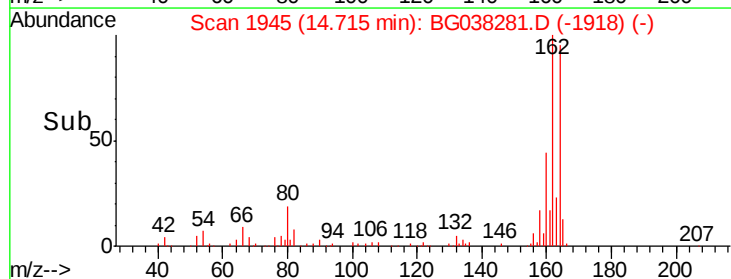
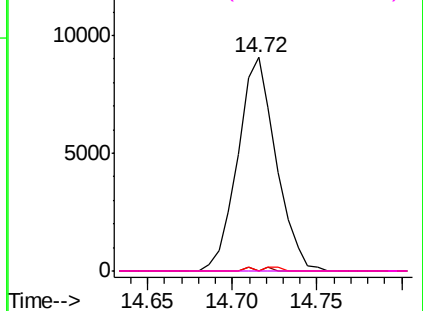


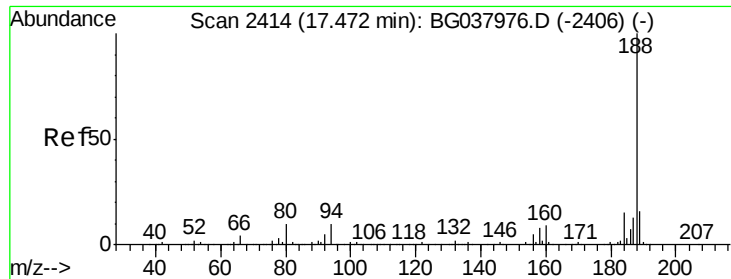
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-S

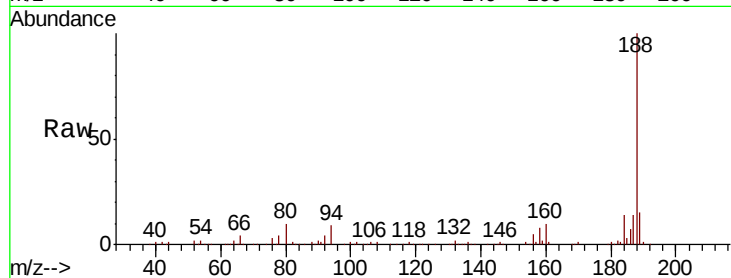
Tot Ion:188 Resp: 244738

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

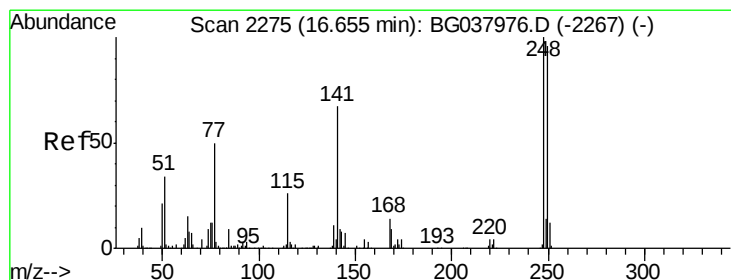
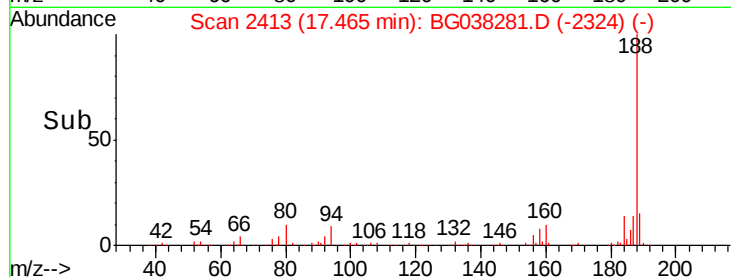
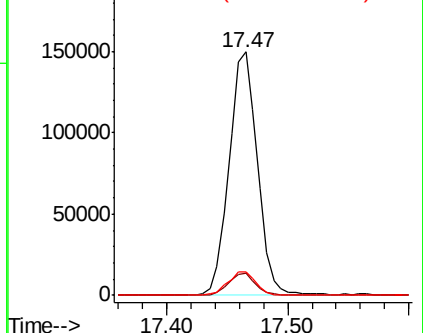
80 9.8 7.7 11.5



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: 2.310 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.45 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

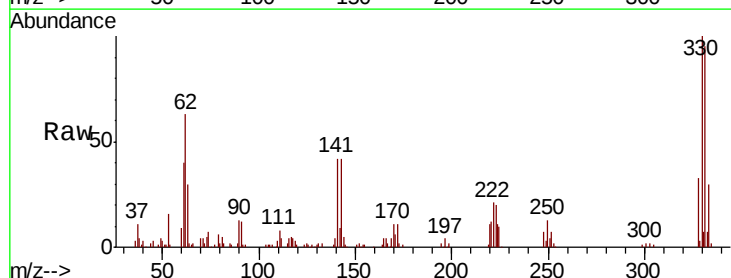
Tgt Ion:248 Resp: 6206

Ion Ratio Lower Upper

248 100

250 177.5 77.0 115.6#

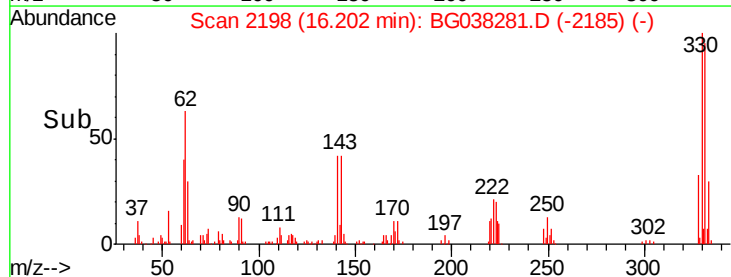
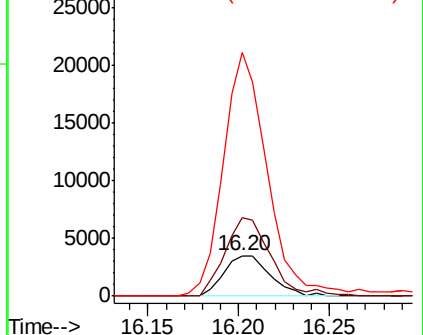
141 438.3 55.5 83.3#

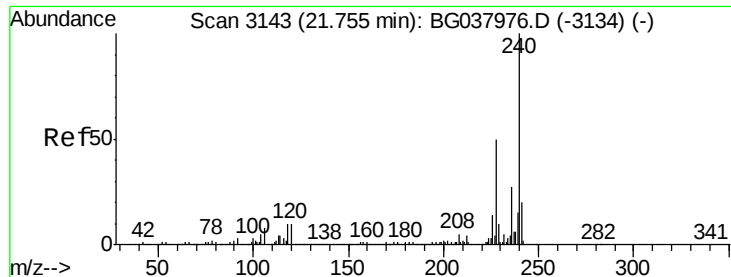


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

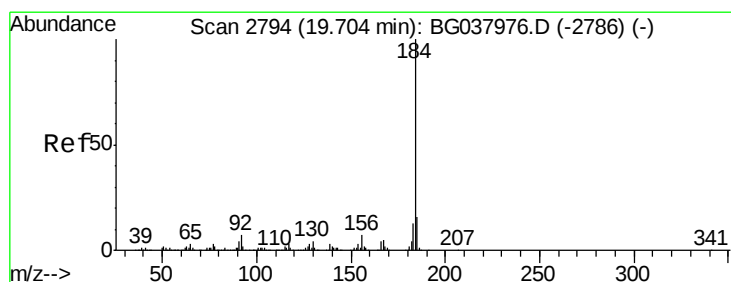
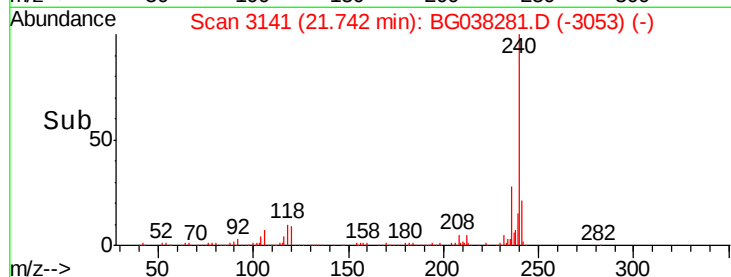
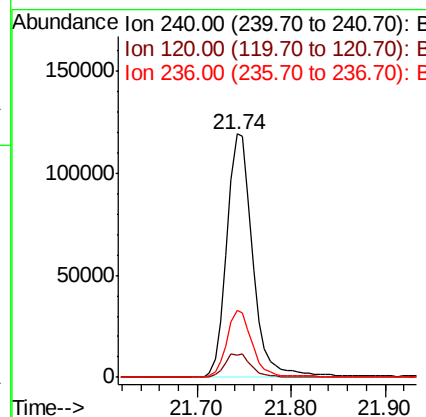
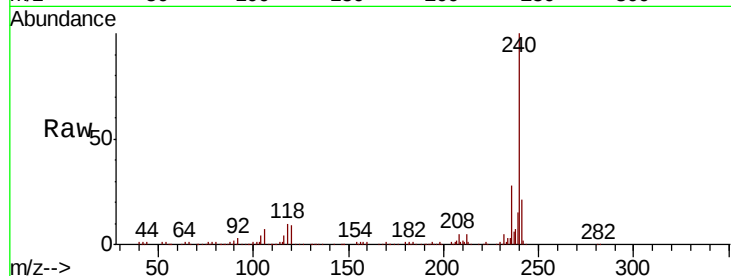




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038281.D
Acq: 1 Dec 2018 7:09

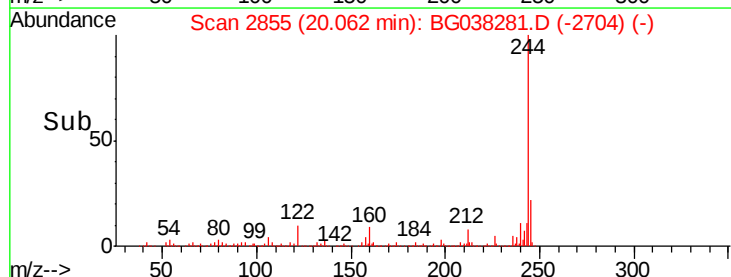
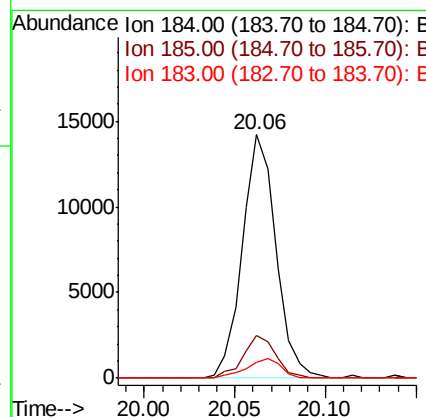
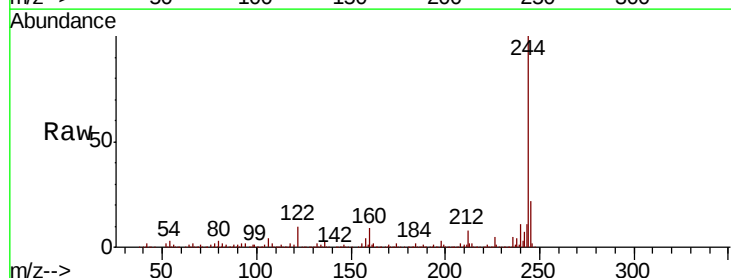
Instrument :
BNA_G
ClientSampleId :
112818-CHDE-F-D-S

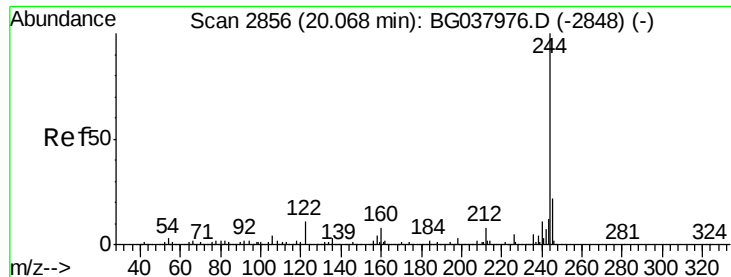
Tot Ion:240 Resp: 231085
Ion Ratio Lower Upper
240 100
120 9.2 8.1 12.1
236 27.7 21.4 32.0



#77
Benzidine
Concen: 2.254 ng
RT: 20.06 min Scan# 2855
Delta R.T. 0.36 min
Lab File: BG038281.D
Acq: 1 Dec 2018 7:09

Tgt Ion:184 Resp: 18280
Ion Ratio Lower Upper
184 100
185 17.5 12.6 18.8
183 6.3 10.2 15.2#





#79

Terphenyl-d14

Concen: 104.595 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-S

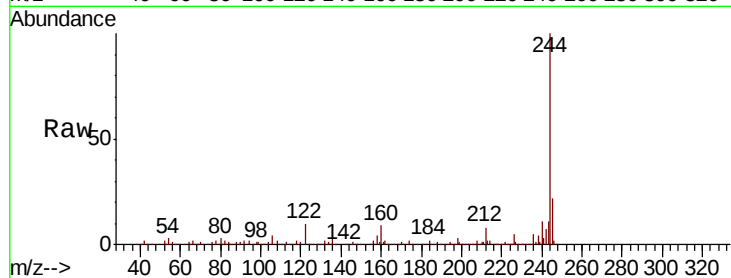
Tot Ion:244 Resp: 1027213

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

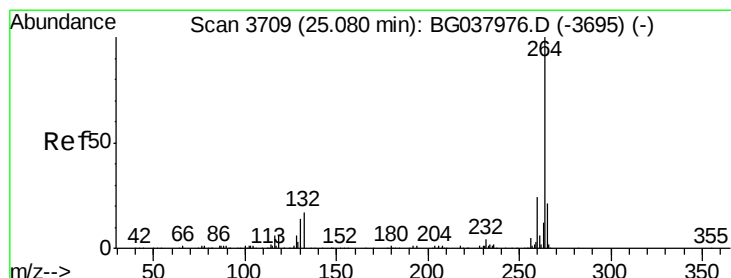
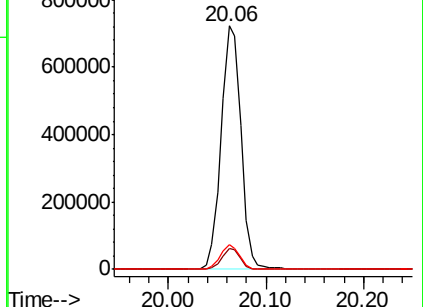
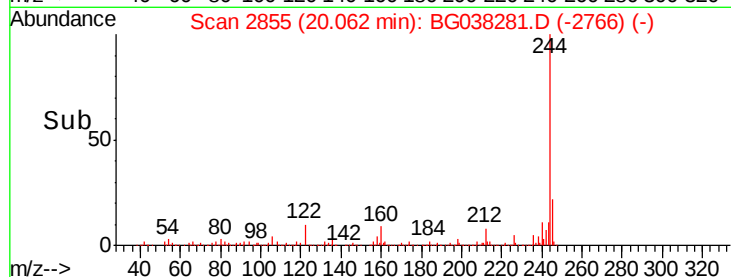
122 10.0 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.06 min Scan# 3706

Delta R.T. -0.02 min

Lab File: BG038281.D

Acq: 1 Dec 2018 7:09

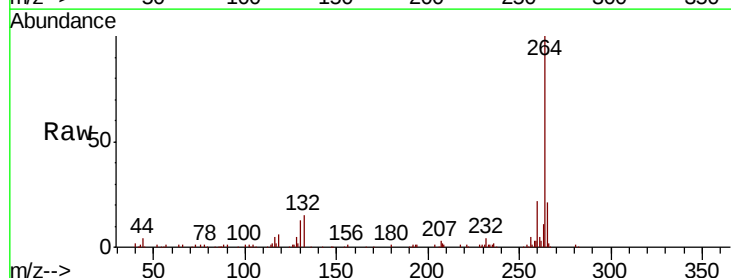
Tgt Ion:264 Resp: 210954

Ion Ratio Lower Upper

264 100

260 22.0 18.2 27.4

265 21.5 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

