

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038267.D
 Acq On : 30 Nov 2018 21:18
 Operator : JU/SJ
 Sample : J5765-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-112918

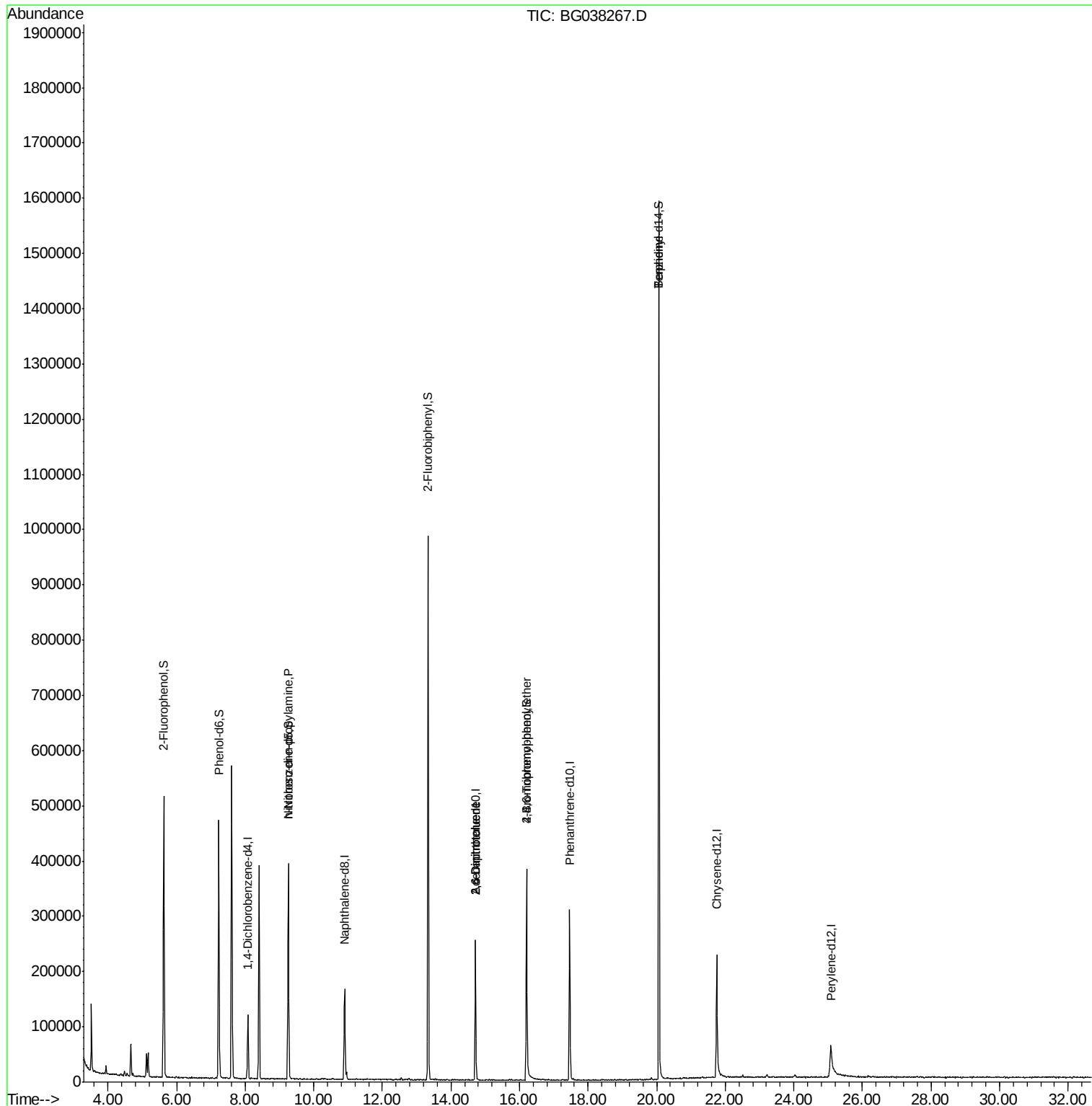
Quant Time: Dec 01 03:31:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33595	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	148081	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	90220	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	204686	20.00	ng	0.00
76) Chrysene-d12	21.75	240	185223	20.00	ng	0.00
87) Perylene-d12	25.08	264	97184	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	226660	116.49	ng	0.00
7) Phenol-d6	7.23	99	282264	101.63	ng	0.00
23) Nitrobenzene-d5	9.26	82	241810	87.41	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	84897	82.51	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	514727	83.12	ng	-0.01
79) Terphenyl-d14	20.06	244	845966	107.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	30965	15.408	ng	# 78
51) 2,6-Dinitrotoluene	14.72	165	11282	6.969	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	11282	5.122	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	5428	2.416	ng	# 1
77) Benzidine	20.06	184	14013	2.156	ng	# 95

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

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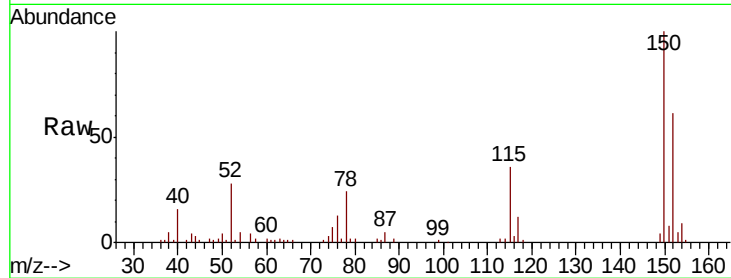


#1

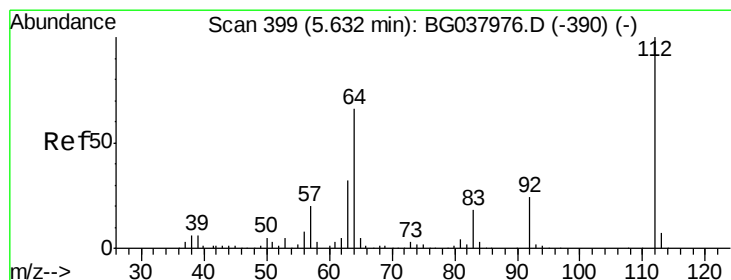
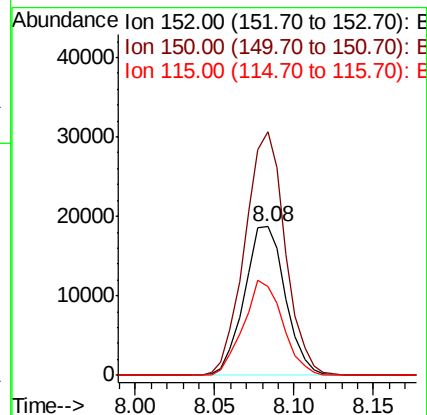
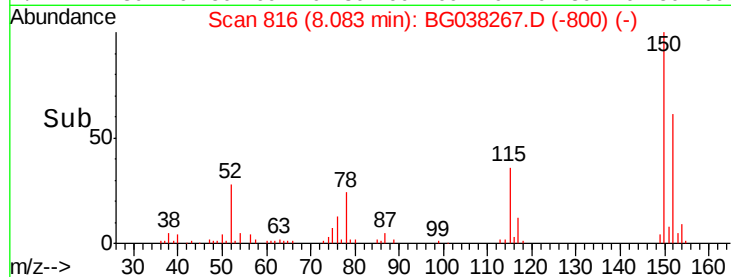
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.08 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BG038267.D
 Acq: 30 Nov 2018 21:18

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-112918

Tot Ion:152 Resp: 33595
 Ion Ratio Lower Upper
 152 100
 150 163.9 126.0 189.0
 115 59.4 45.5 68.3



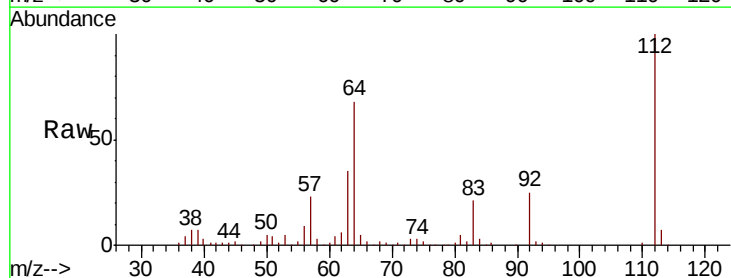
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



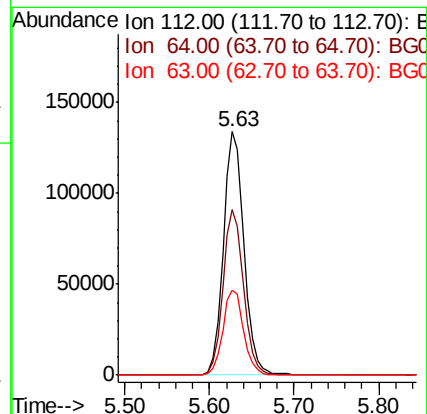
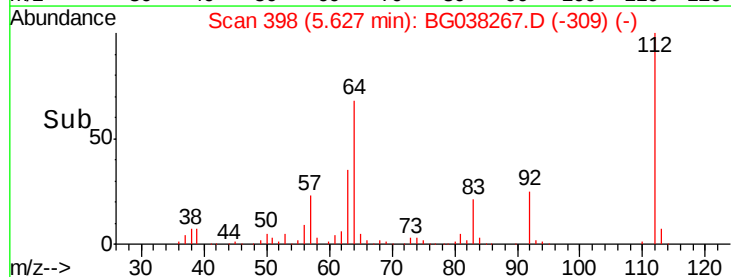
#5

2-Fluorophenol
 Concen: 116.489 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: BG038267.D
 Acq: 30 Nov 2018 21:18

Tgt Ion:112 Resp: 226660
 Ion Ratio Lower Upper
 112 100
 64 68.1 53.1 79.7
 63 35.1 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: 101.626 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038267.D

Acq: 30 Nov 2018 21:18

Instrument :

BNA_G

ClientSampleId :

NB-07-112918

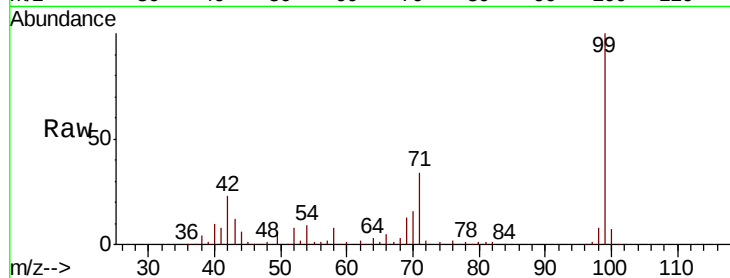
Tot Ion: 99 Resp: 282264

Ion Ratio Lower Upper

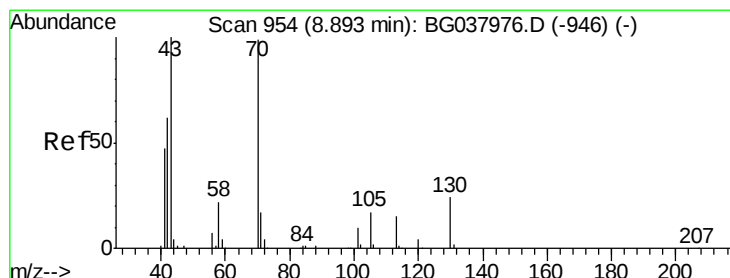
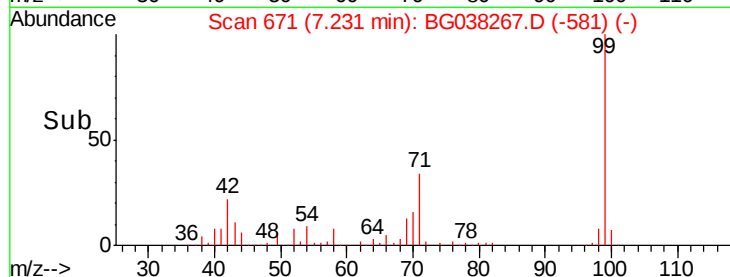
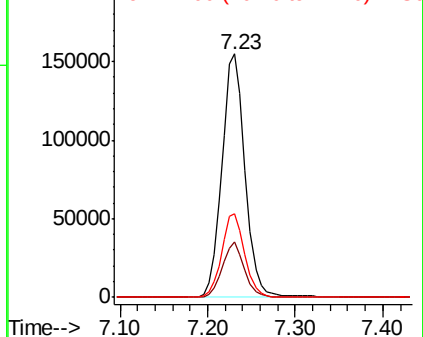
99 100

42 22.6 15.0 22.4#

71 34.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.408 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038267.D

Acq: 30 Nov 2018 21:18

Tgt Ion: 70 Resp: 30965

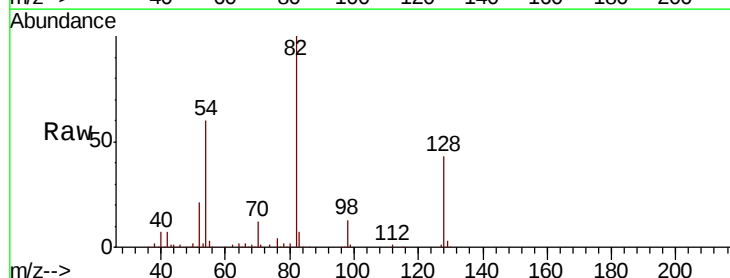
Ion Ratio Lower Upper

70 100

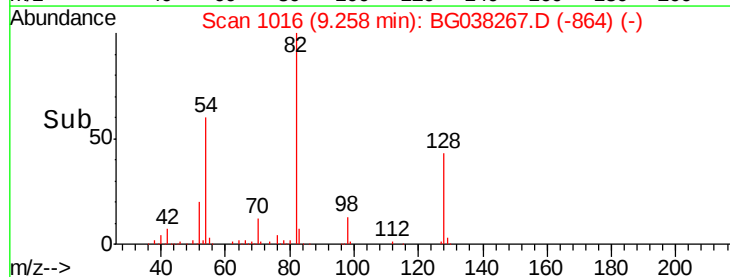
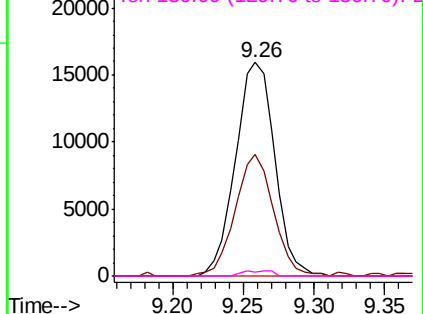
42 56.7 53.9 80.9

101 0.0 8.2 12.2#

130 1.7 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# 1296

Delta R.T. -0.01 min

Lab File: BG038267.D

Acq: 30 Nov 2018 21:18

Instrument :

BNA_G

ClientSampleId :

NB-07-112918

Tot Ion:136 Resp: 148081

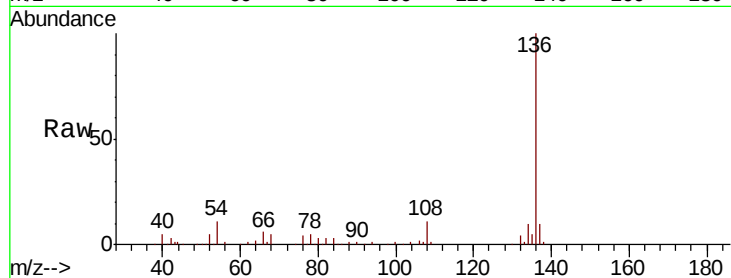
Ion Ratio Lower Upper

136 100

137 10.0 9.6 14.4

54 10.8 7.9 11.9

68 5.3 4.8 7.2

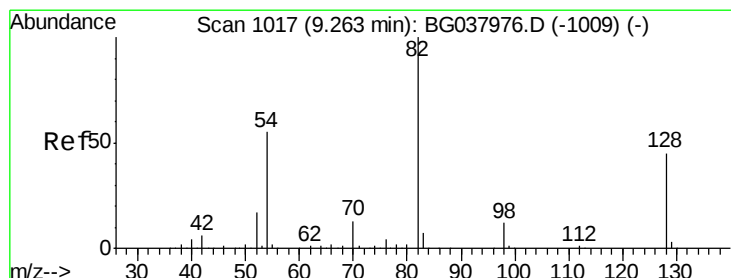
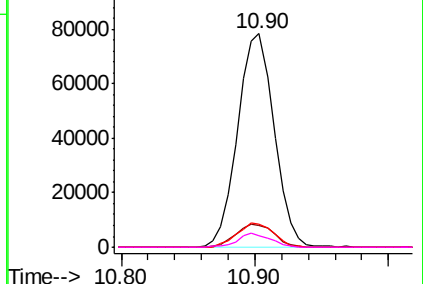
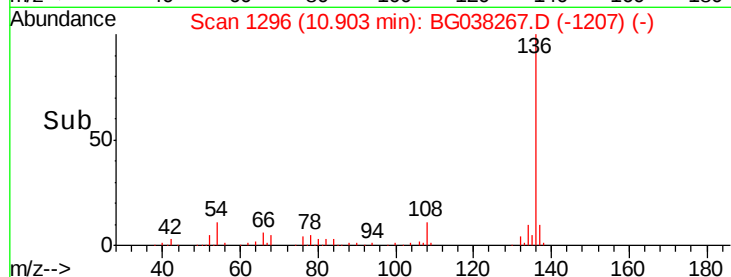


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 87.413 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BG038267.D

Acq: 30 Nov 2018 21:18

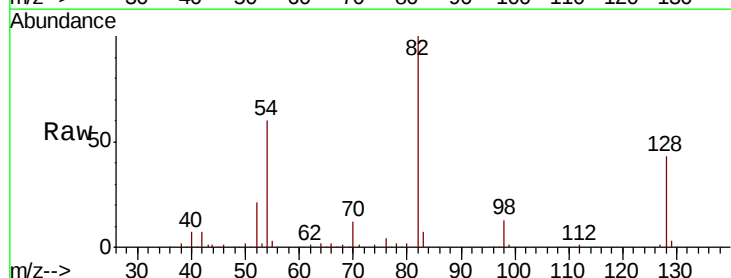
Tgt Ion: 82 Resp: 241810

Ion Ratio Lower Upper

82 100

128 42.9 34.6 51.8

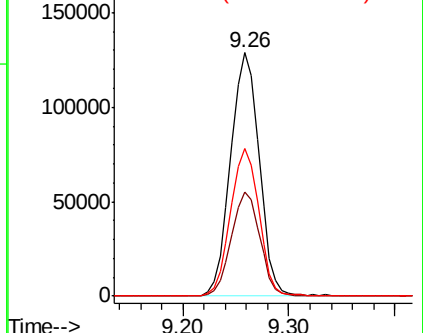
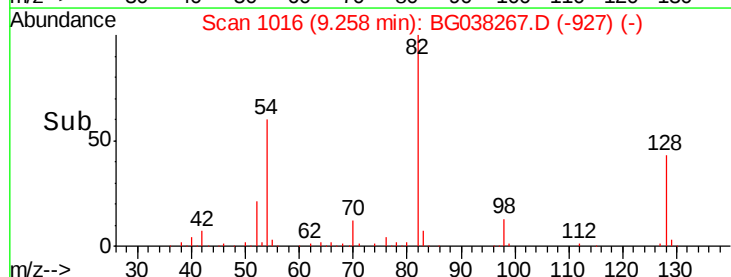
54 60.5 45.3 67.9

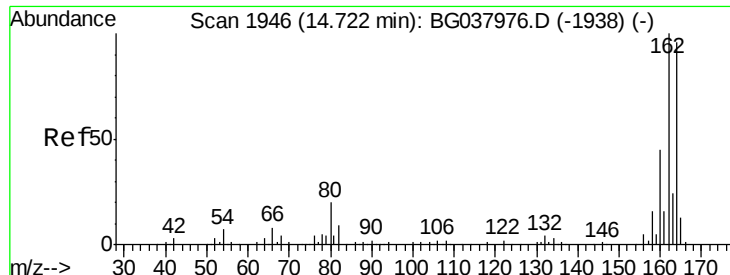


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG038267.D

Acq: 30 Nov 2018 21:18

Instrument :

BNA_G

ClientSampleId :

NB-07-112918

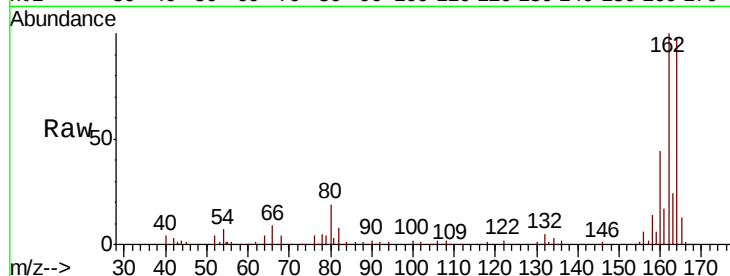
Tot Ion:164 Resp: 90220

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

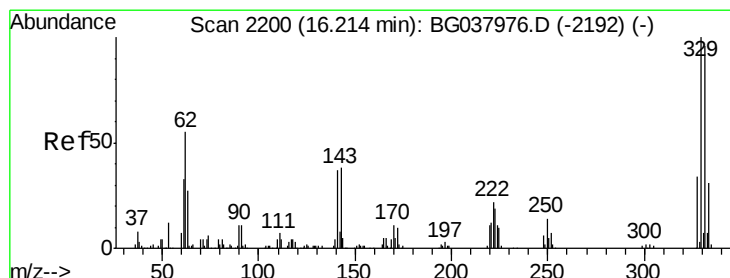
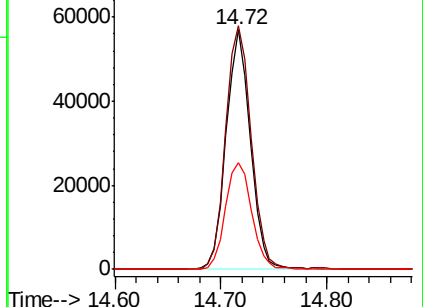
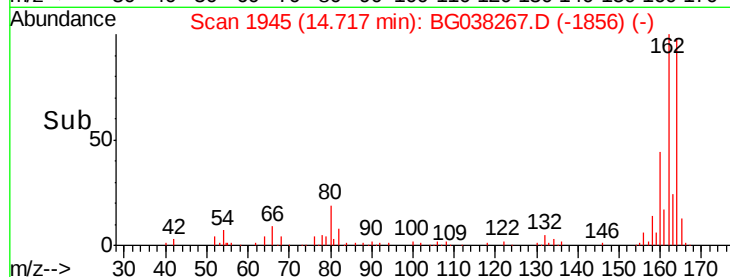
160 44.6 36.3 54.5



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: 82.509 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038267.D

Acq: 30 Nov 2018 21:18

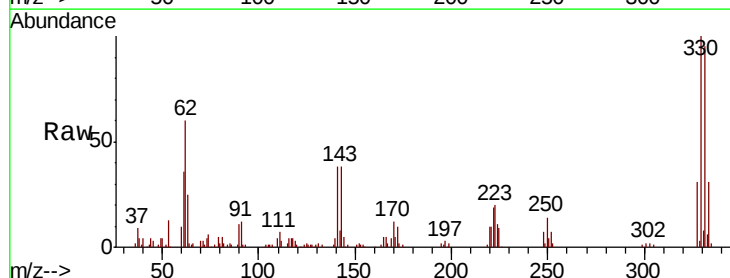
Tgt Ion:330 Resp: 84897

Ion Ratio Lower Upper

330 100

332 96.4 78.4 117.6

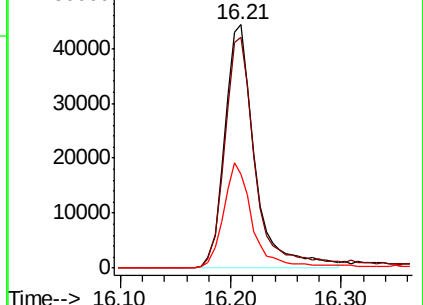
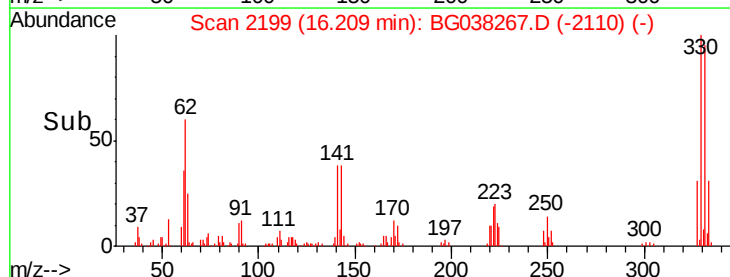
141 42.9 32.2 48.2



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

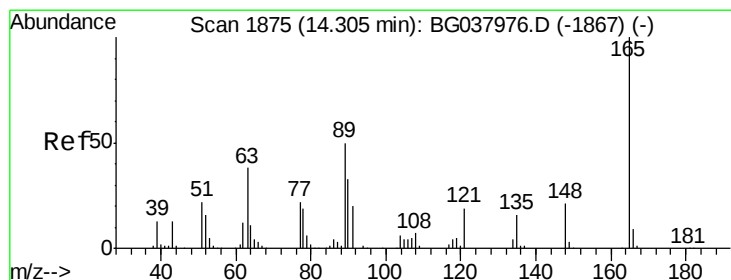
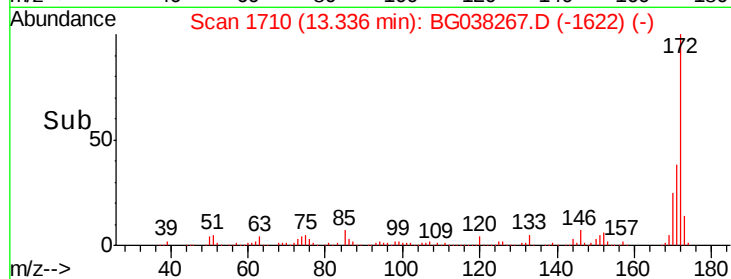
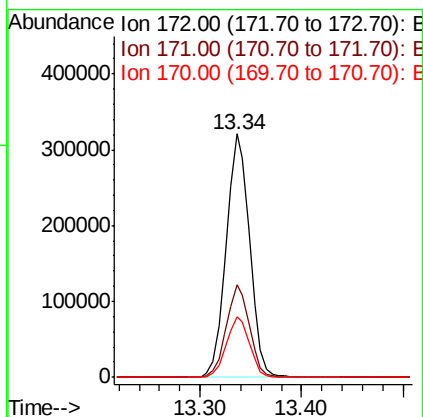
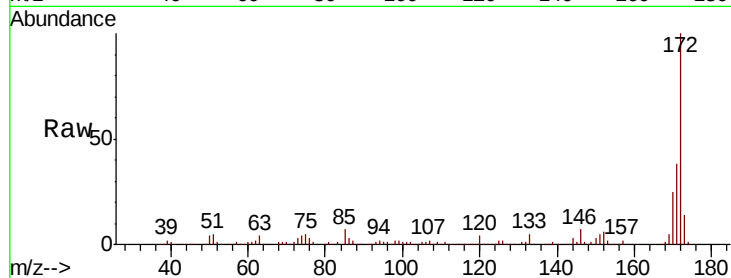




#45
 2-Fluorobiphenyl
 Concen: 83.117 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038267.D
 Acq: 30 Nov 2018 21:18

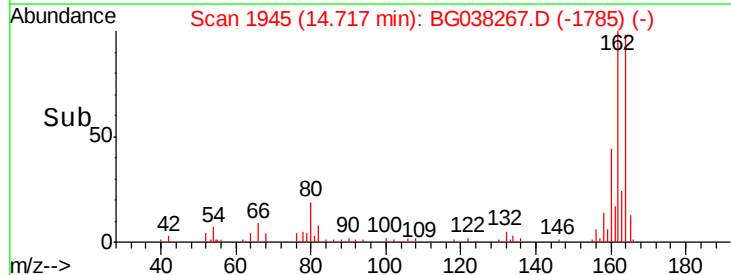
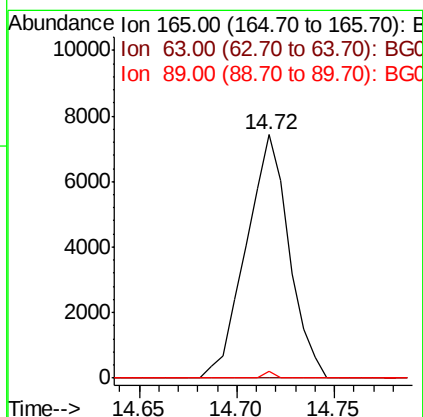
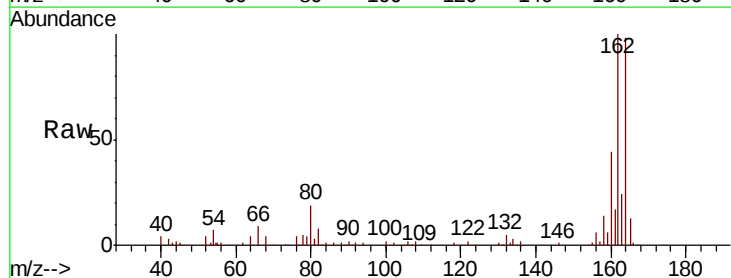
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-112918

Tot Ion:172 Resp: 514727
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.0 46.4
 170 24.8 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 6.969 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038267.D
 Acq: 30 Nov 2018 21:18

Tgt Ion:165 Resp: 11282
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 2.9 45.8 68.6#

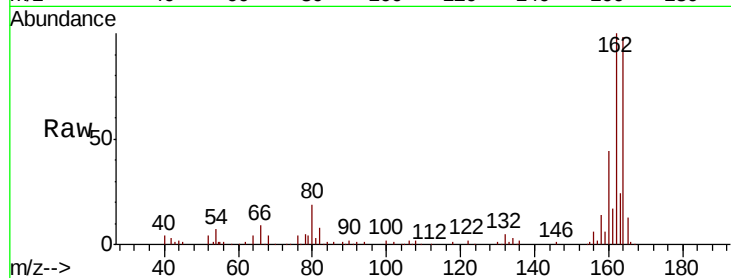




#57
2,4-Dinitrotoluene
Concen: 5.122 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.37 min
Lab File: BG038267.D
Acq: 30 Nov 2018 21:18

Instrument :
BNA_G
ClientSampleId :
NB-07-112918

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	2.9	57.2	85.8#
182	0.0	2.6	4.0#

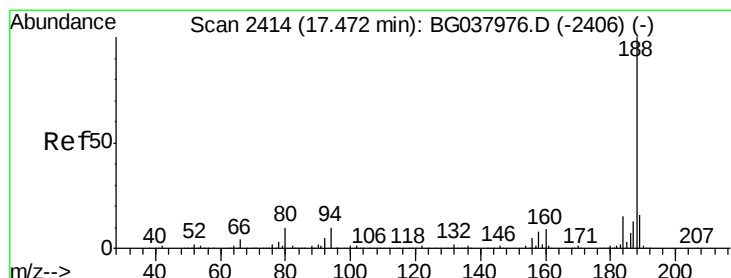
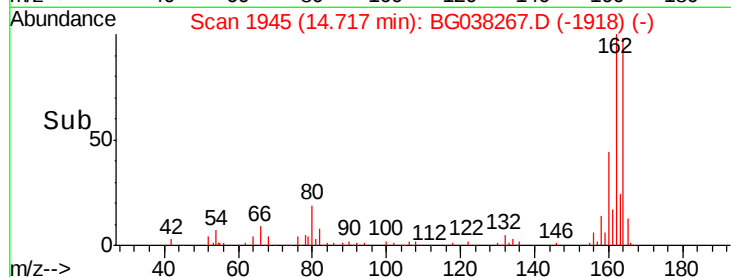
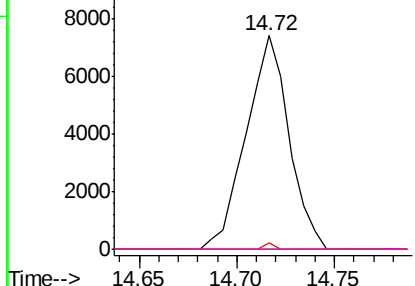


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

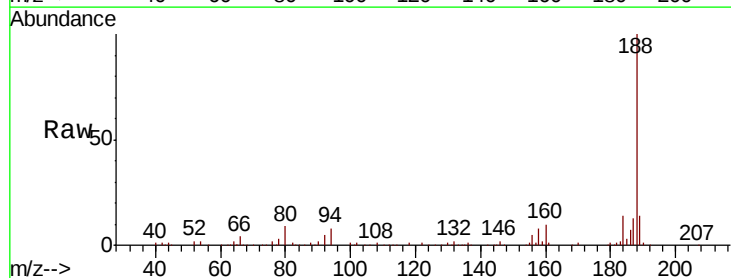
Ion 89.00 (88.70 to 89.70): BGC

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: BG038267.D
Acq: 30 Nov 2018 21:18

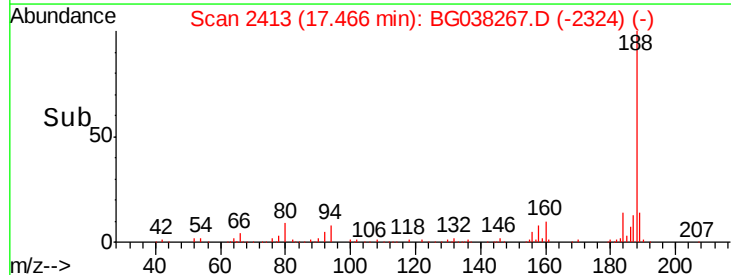
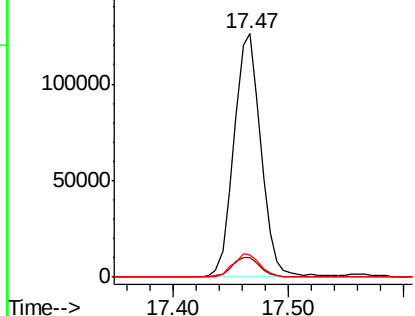
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.2	10.8
80	9.2	7.7	11.5

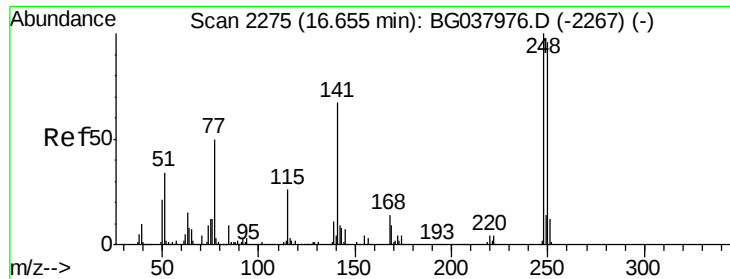


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

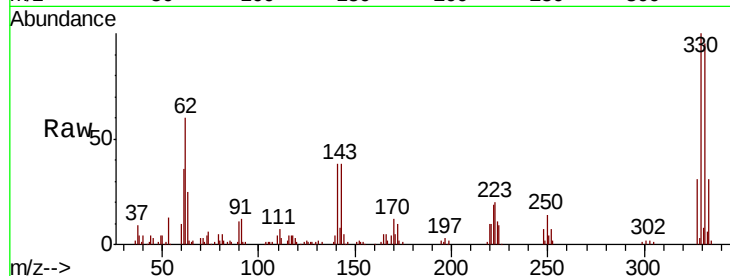




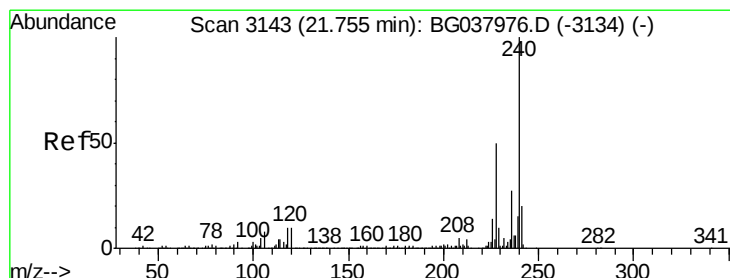
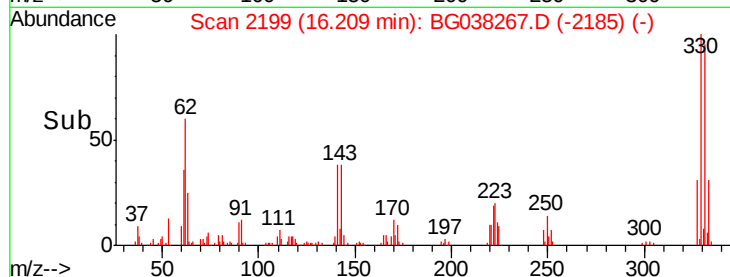
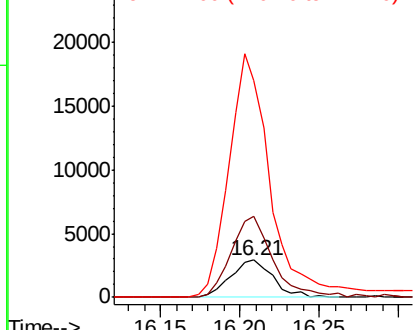
#67
4-Bromophenyl-phenylether
Concen: 2.416 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.45 min
Lab File: BG038267.D
Acq: 30 Nov 2018 21:18

Instrument :
BNA_G
ClientSampleId :
NB-07-112918

Tot Ion:248 Resp: 5428
Ion Ratio Lower Upper
248 100
250 208.7 77.0 115.6#
141 437.4 55.5 83.3#

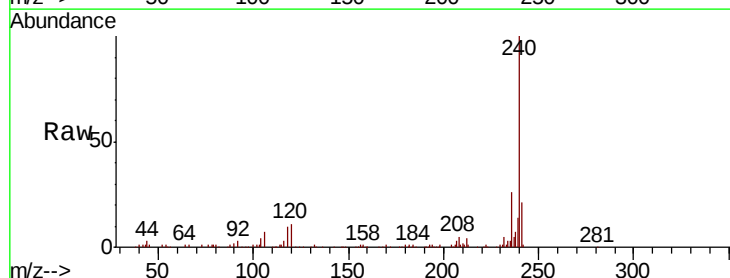


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

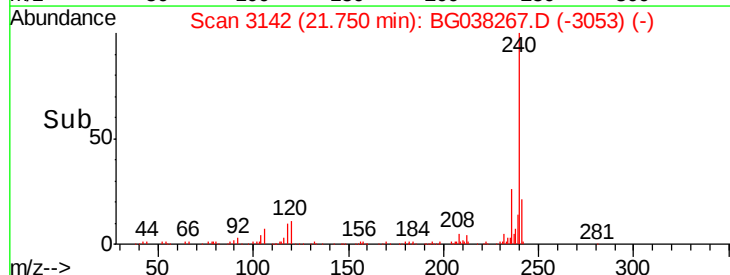
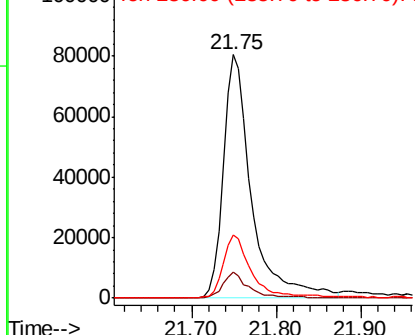


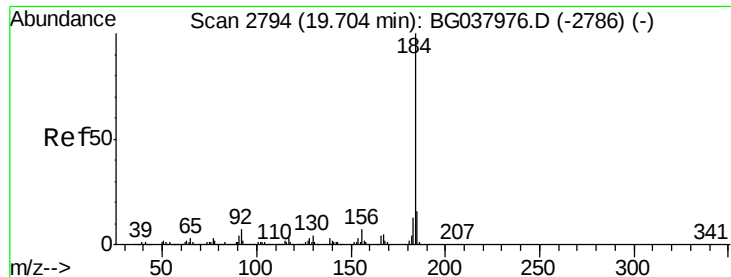
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG038267.D
Acq: 30 Nov 2018 21:18

Tgt Ion:240 Resp: 185223
Ion Ratio Lower Upper
240 100
120 10.6 8.1 12.1
236 26.1 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: 2.156 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038267.D

Acq: 30 Nov 2018 21:18

Instrument :

BNA_G

ClientSampleId :

NB-07-112918

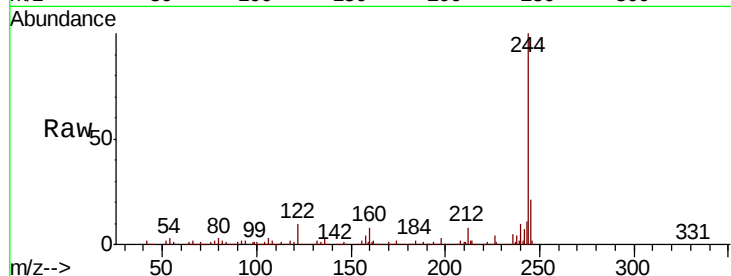
Tot Ion:184 Resp: 14013

Ion Ratio Lower Upper

184 100

185 16.7 12.6 18.8

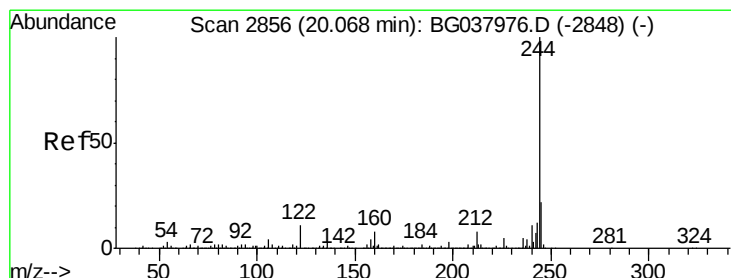
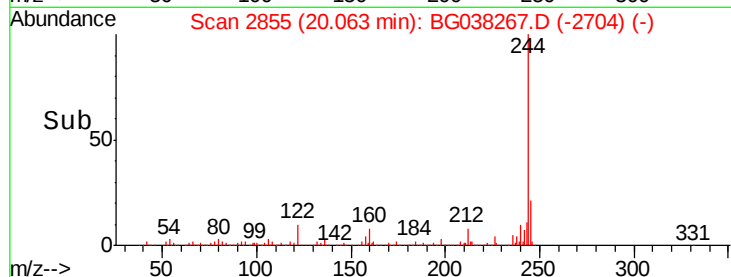
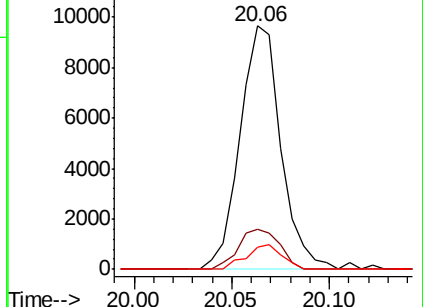
183 9.3 10.2 15.2#



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: 107.469 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038267.D

Acq: 30 Nov 2018 21:18

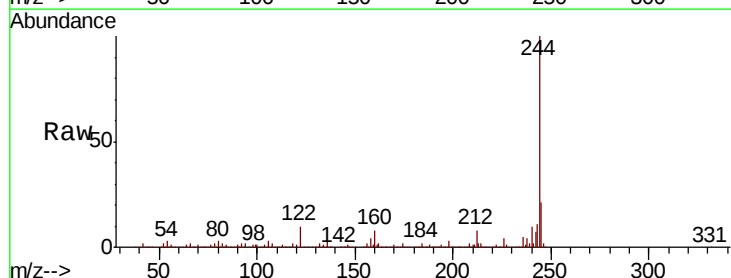
Tgt Ion:244 Resp: 845966

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

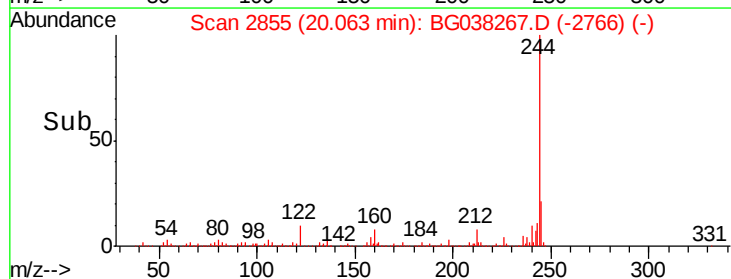
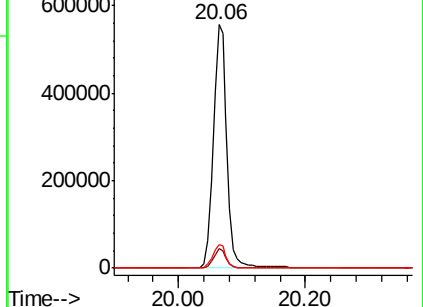
122 9.8 9.0 13.4

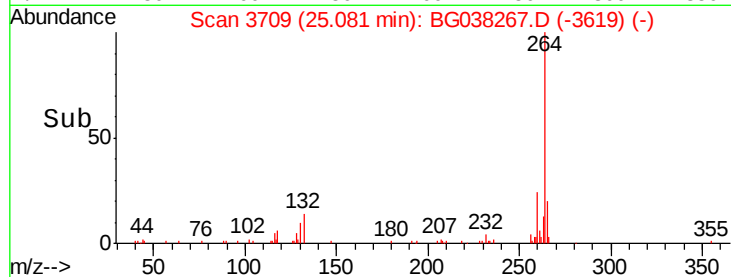
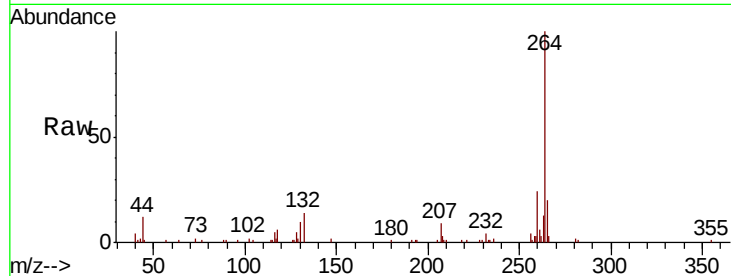
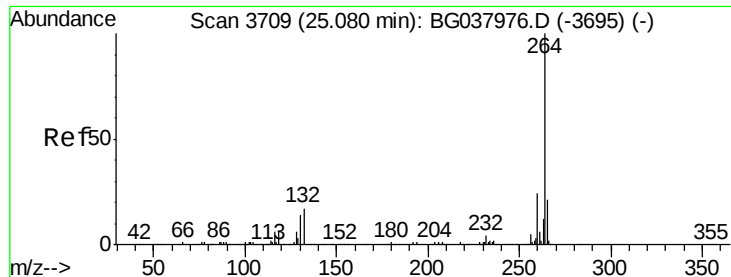


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.08 min Scan# 3709
Delta R.T. 0.00 min
Lab File: BG038267.D
Acq: 30 Nov 2018 21:18

Instrument :
BNA_G
ClientSampleId :
NB-07-112918

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	19.8	17.9	26.9

