

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038940.D
 Acq On : 4 Jan 2019 21:46
 Operator : JU/SJ
 Sample : K1023-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 22:49:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

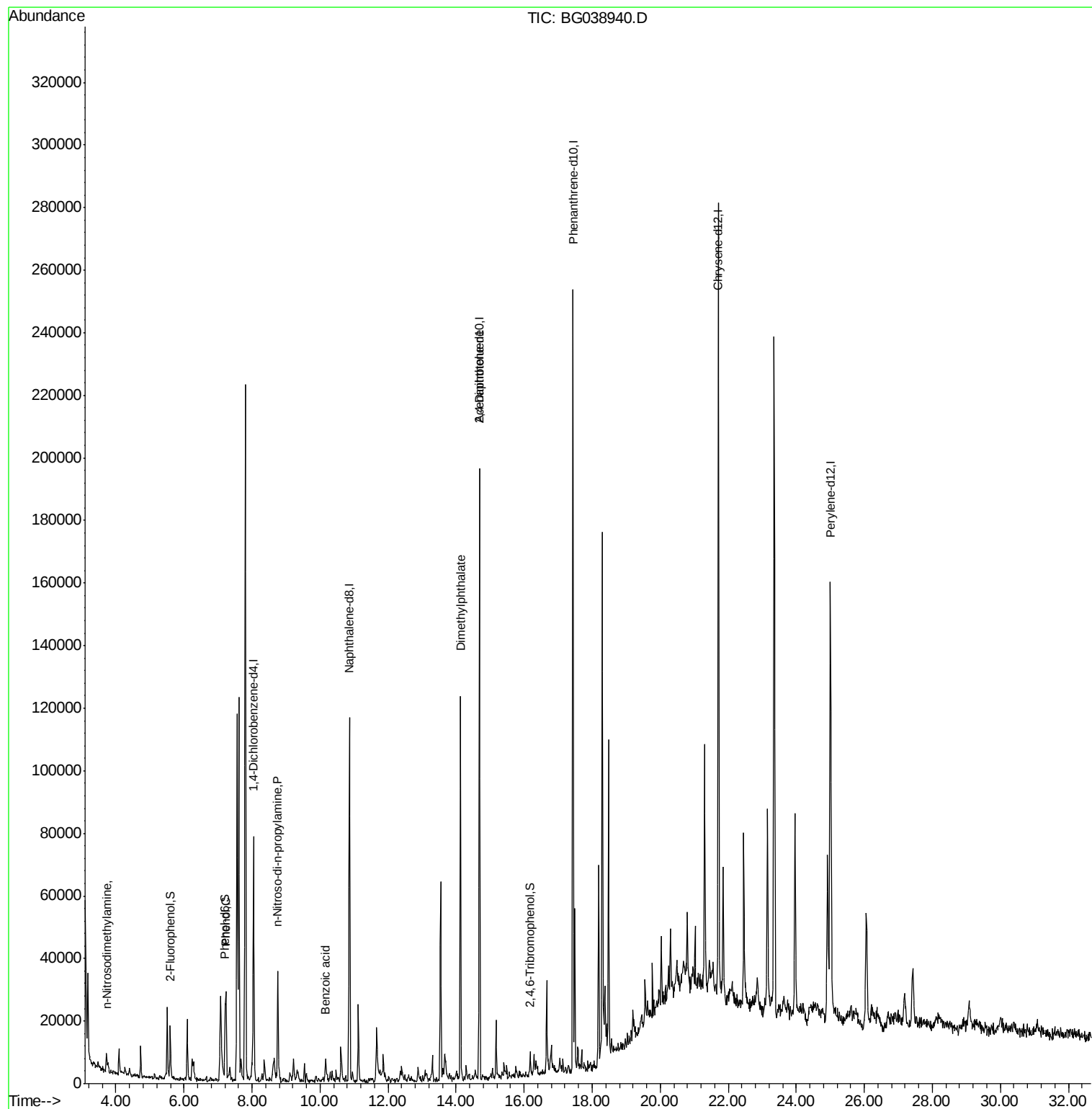
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	22678	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	99884	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	69959	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	167294	20.00	ng	0.00
76) Chrysene-d12	21.71	240	164463	20.00	ng	-0.01
87) Perylene-d12	25.00	264	174076	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	7438	5.82	ng	0.00
7) Phenol-d6	7.21	99	12460	7.10	ng	0.00
23) Nitrobenzene-d5	9.23	82	3750	1.92	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	2085	2.16	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	5246	1.03	ng	-0.01
79) Terphenyl-d14	20.03	244	6445	0.85	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.72	42	1677	2.089	ng	Qvalue # 2
10) Phenol	7.24	94	14727	7.897	ng	97
19) n-Nitroso-di-n-propylamine	8.76	70	3943	3.198	ng	# 60
32) Benzoic acid	10.17	122	58	10.214	ng	# 77
50) Dimethylphthalate	14.13	163	83905	14.686	ng	97
57) 2,4-Dinitrotoluene	14.68	165	9275	5.086	ng	# 21

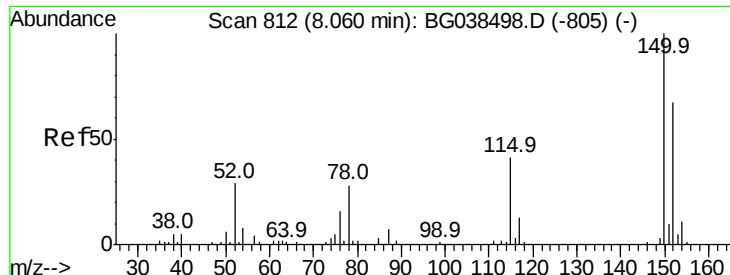
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



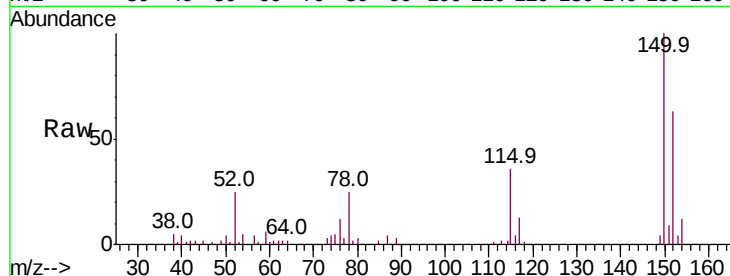


#1

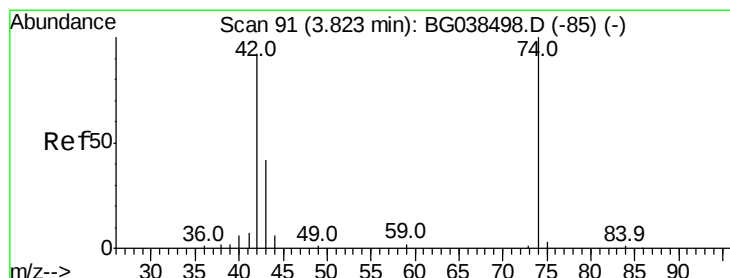
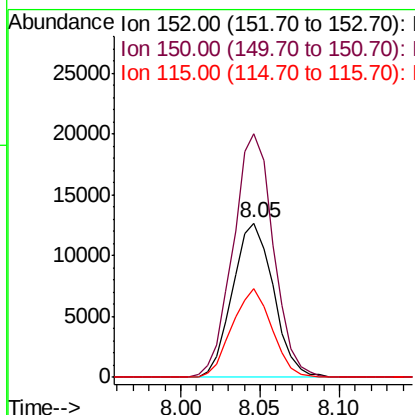
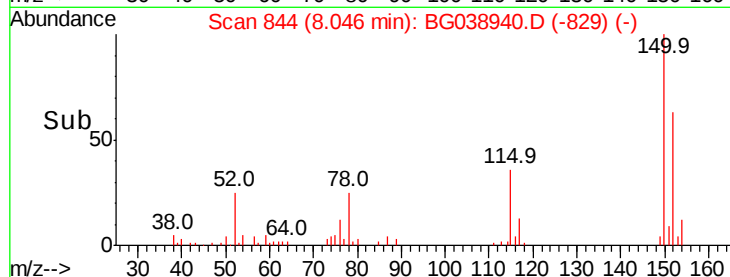
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038940.D
Acq: 4 Jan 2019 21:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 22678
Ion Ratio Lower Upper
152 100
150 158.1 119.5 179.3
115 57.7 49.6 74.4



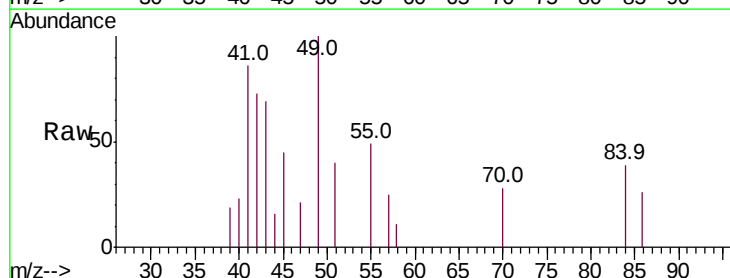
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



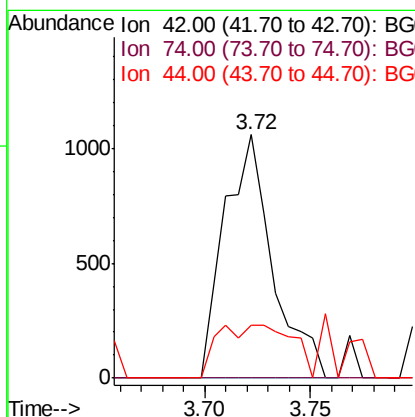
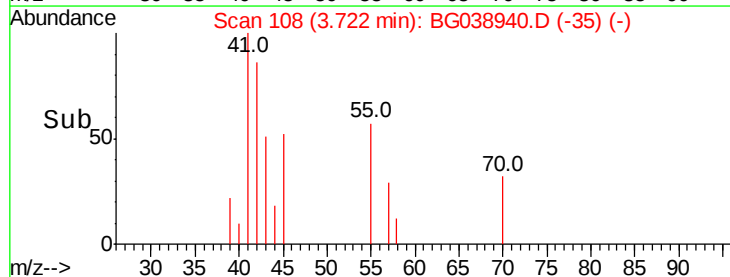
#4

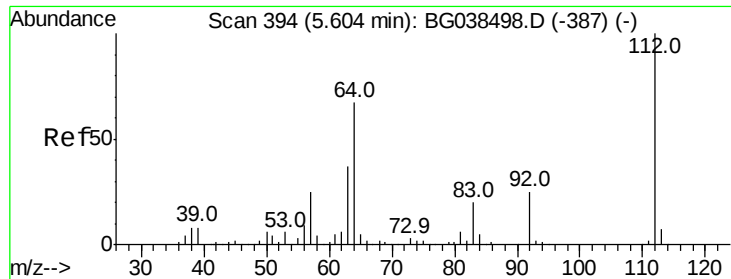
n-Nitrosodimethylamine
Concen: 2.089 ng
RT: 3.72 min Scan# 108
Delta R.T. -0.10 min
Lab File: BG038940.D
Acq: 4 Jan 2019 21:46

Tgt Ion: 42 Resp: 1677
Ion Ratio Lower Upper
42 100
74 0.0 86.7 130.1#
44 21.5 7.8 11.8#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 5.817 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.01 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

Instrument :

BNA_G

ClientSampled :

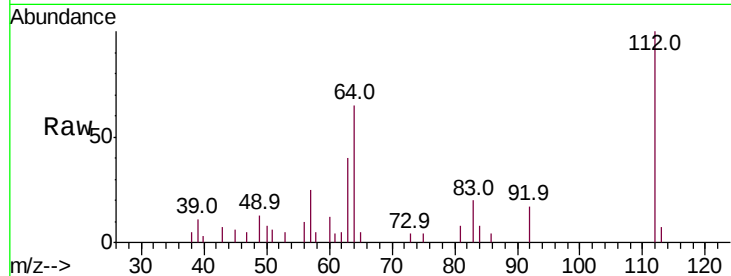
Tot Ion:112 Resp: 7438

Ion Ratio Lower Upper

112 100

64 65.4 53.4 80.2

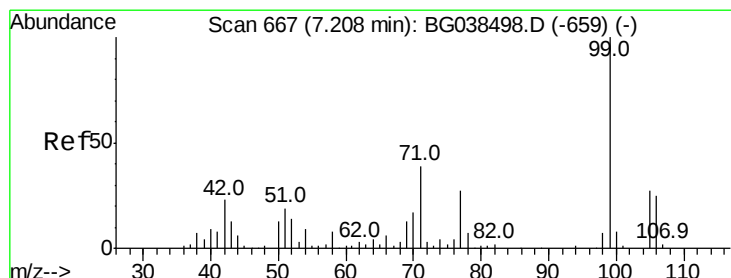
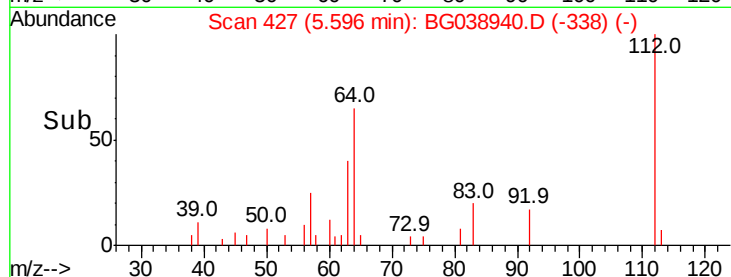
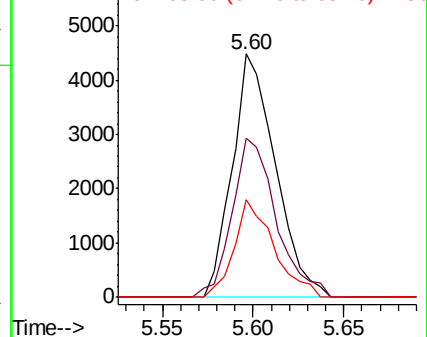
63 40.3 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 7.099 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

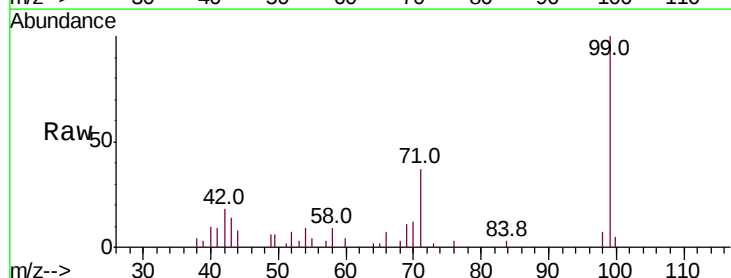
Tgt Ion: 99 Resp: 12460

Ion Ratio Lower Upper

99 100

42 18.2 18.5 27.7#

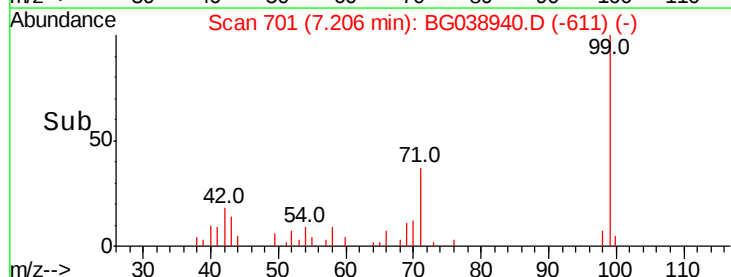
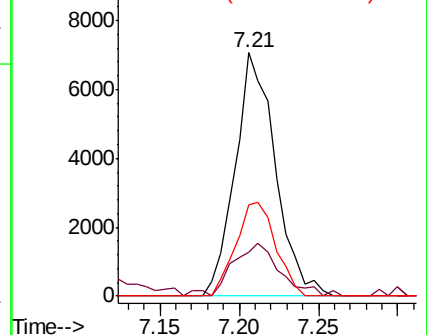
71 37.4 31.1 46.7

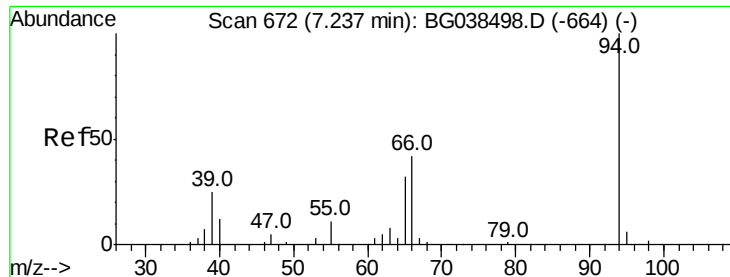


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 7.897 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

Instrument :

BNA_G

ClientSampled :

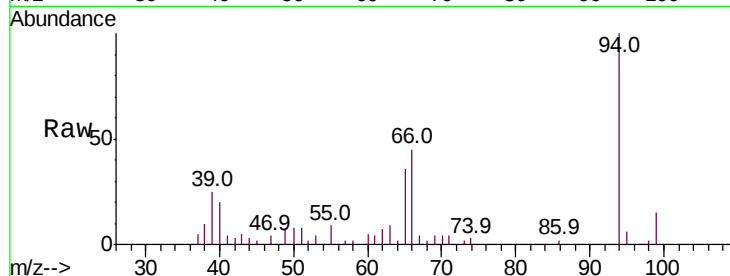
Tot Ion: 94 Resp: 14727

Ion Ratio Lower Upper

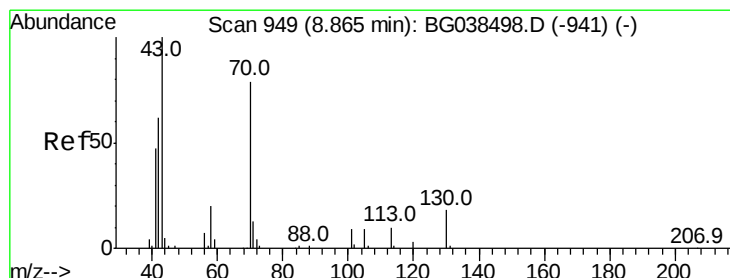
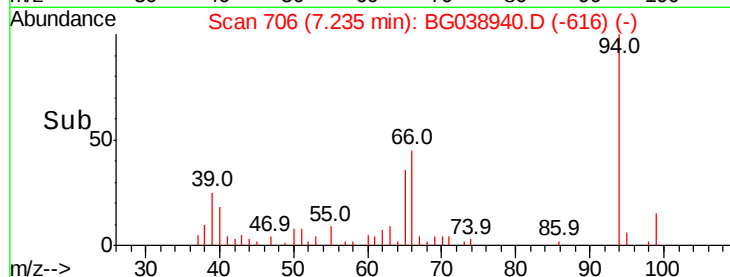
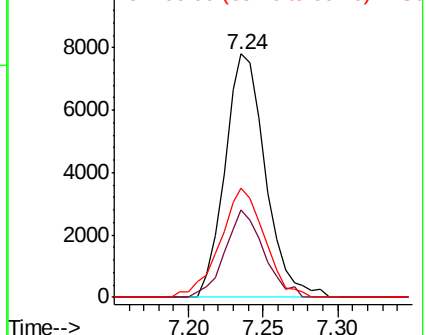
94 100

65 35.9 12.6 52.6

66 44.8 24.1 64.1



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: 3.198 ng

RT: 8.76 min Scan# 966

Delta R.T. -0.10 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

Tgt Ion: 70 Resp: 3943

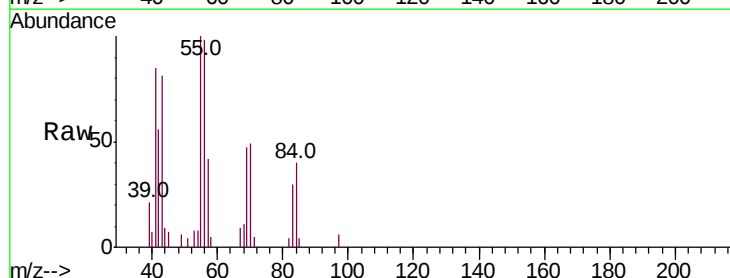
Ion Ratio Lower Upper

70 100

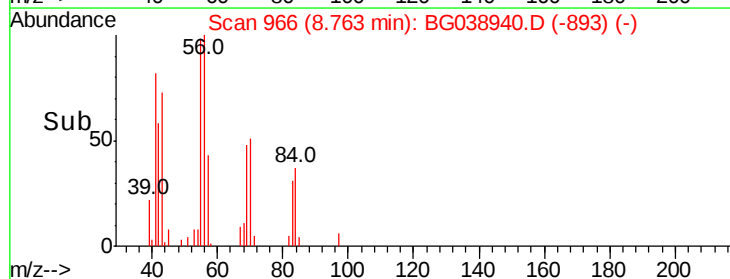
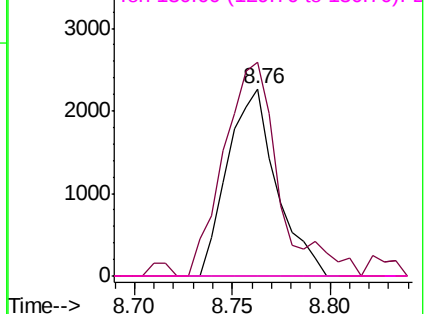
42 114.2 63.6 95.4#

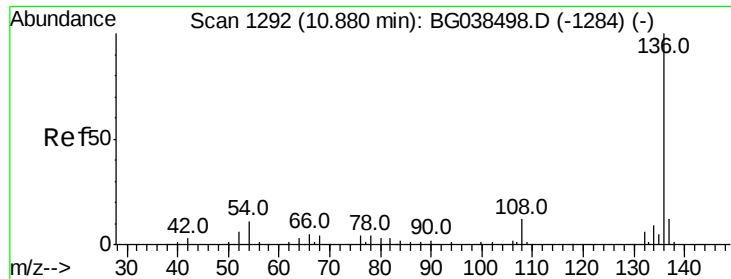
101 0.0 9.2 13.8#

130 0.0 18.5 27.7#



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: 10.86 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 99884

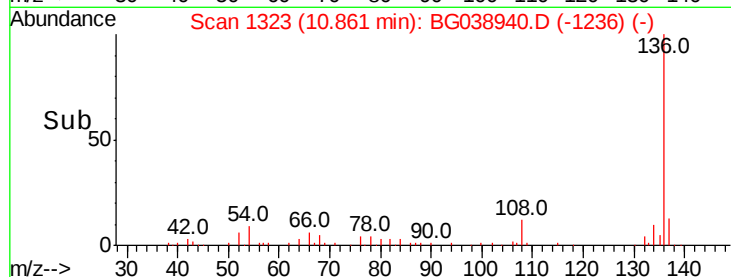
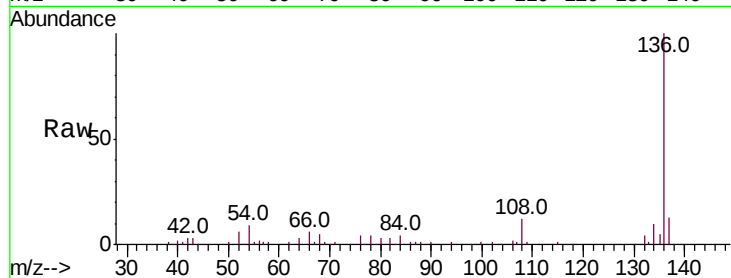
Ion Ratio Lower Upper

136 100

137 13.2 9.3 13.9

54 8.6 8.5 12.7

68 5.3 3.5 5.3#

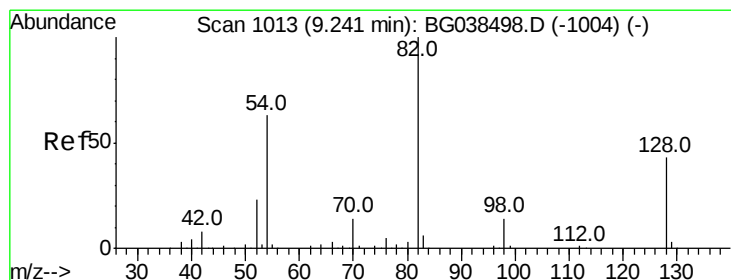
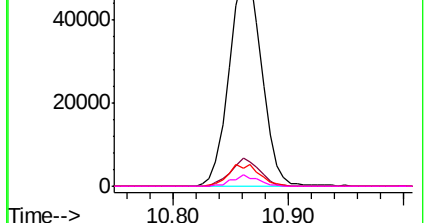


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.918 ng

RT: 9.23 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

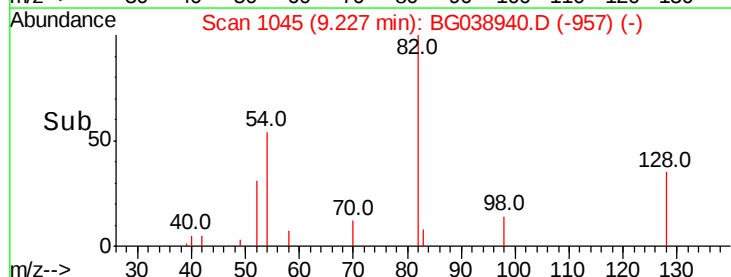
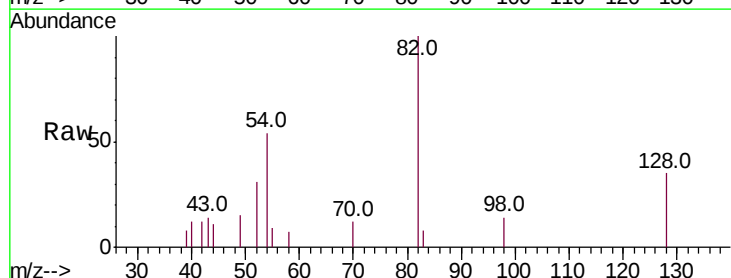
Tgt Ion: 82 Resp: 3750

Ion Ratio Lower Upper

82 100

128 34.7 34.6 52.0

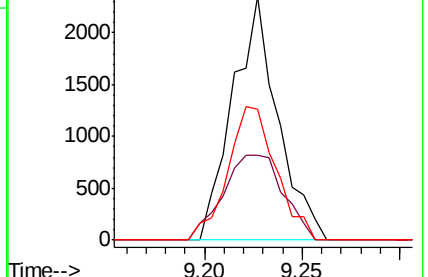
54 53.8 50.6 76.0

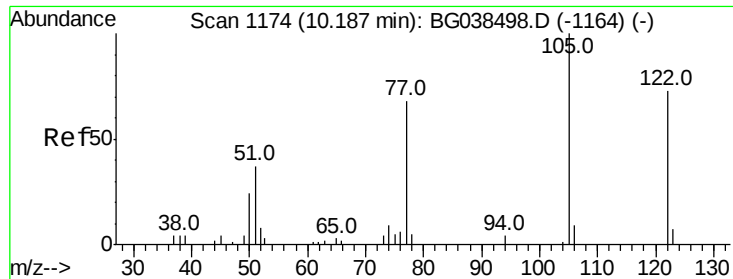


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

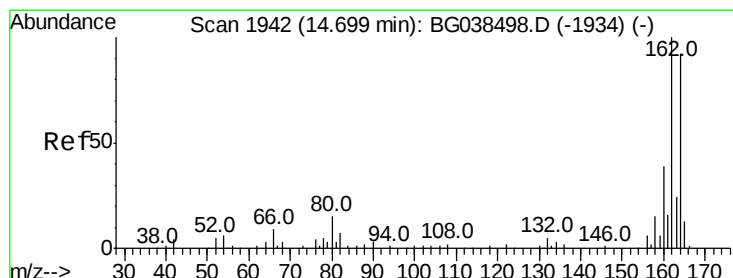
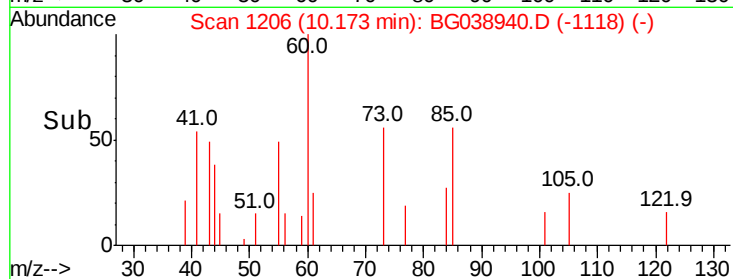
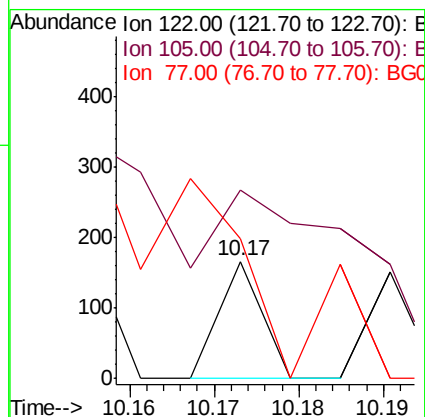
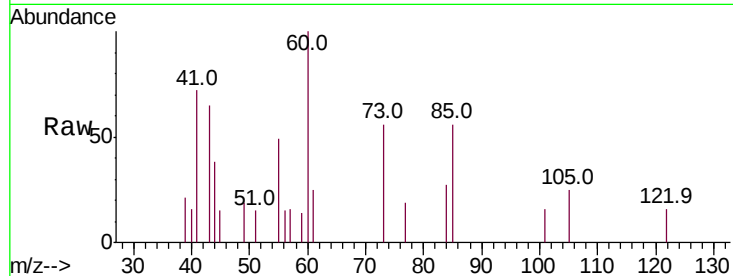




#32
Benzoic acid
Concen: 10.214 ng
RT: 10.17 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BG038940.D
Acq: 4 Jan 2019 21:46

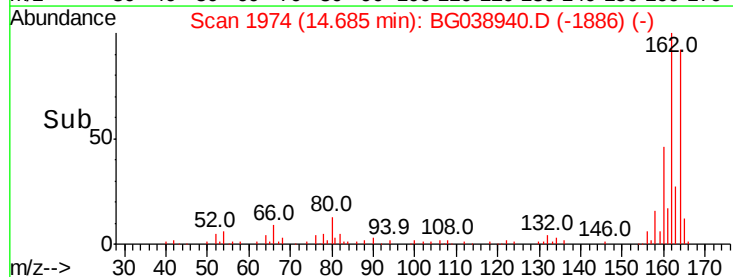
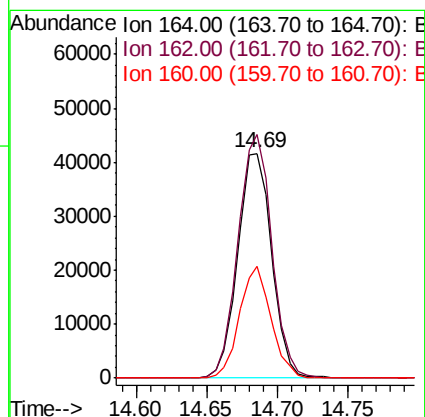
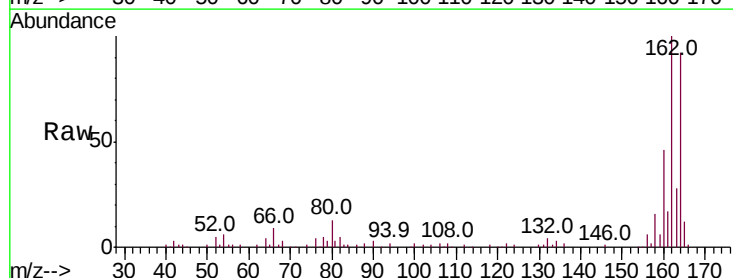
Instrument :
BNA_G
ClientSampled :

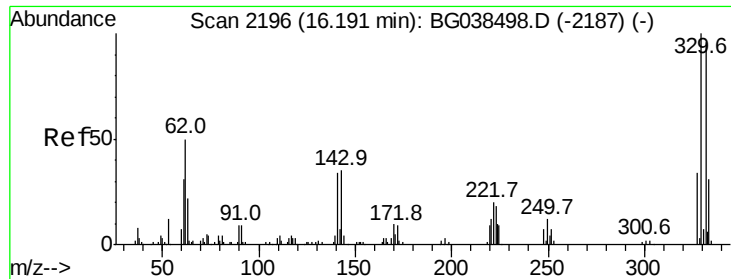
Tot Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 160.8 116.7 156.7#
77 119.3 72.5 112.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038940.D
Acq: 4 Jan 2019 21:46

Tgt Ion:164 Resp: 69959
Ion Ratio Lower Upper
164 100
162 108.5 86.6 130.0
160 49.8 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 2.163 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

Instrument :

BNA_G

ClientSampleId :

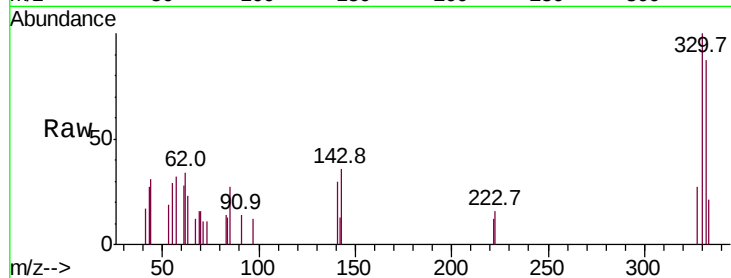
Tot Ion:330 Resp: 2085

Ion Ratio Lower Upper

330 100

332 90.6 76.9 115.3

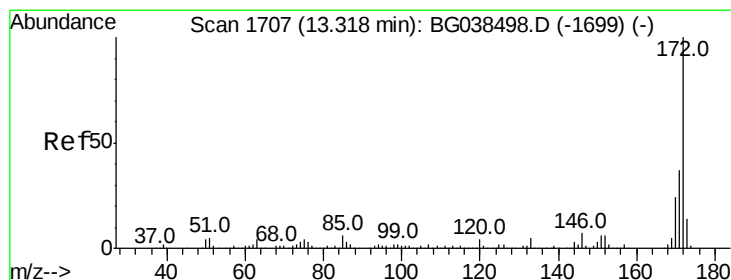
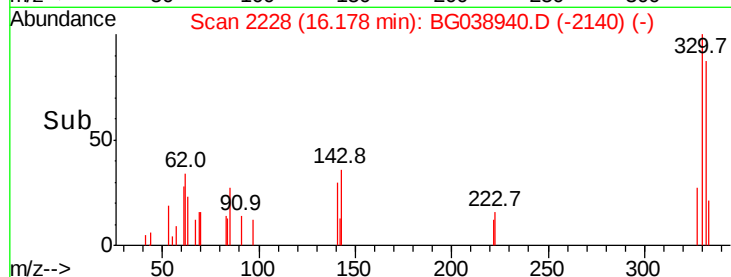
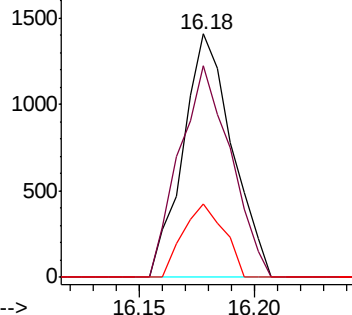
141 25.2 28.8 43.2#



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: 1.029 ng

RT: 13.30 min Scan# 1739

Delta R.T. -0.01 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

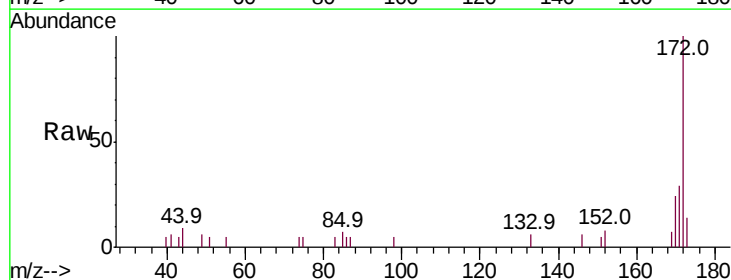
Tgt Ion:172 Resp: 5246

Ion Ratio Lower Upper

172 100

171 29.3 29.8 44.6#

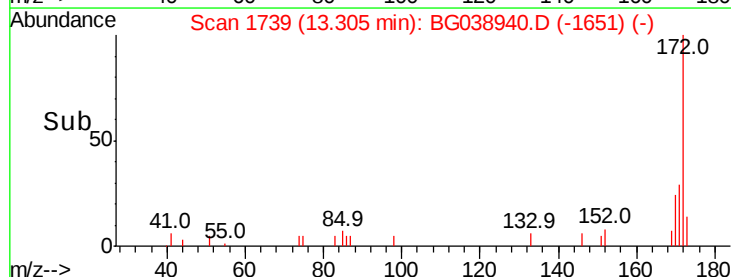
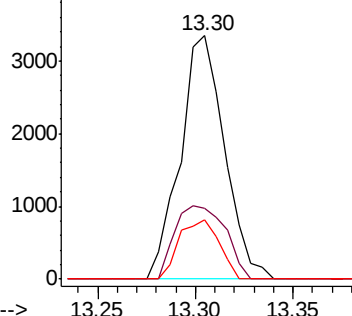
170 24.3 19.5 29.3

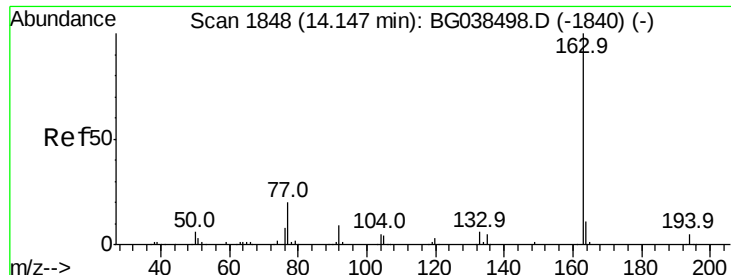


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 14.686 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

Instrument :

BNA_G

ClientSampleId :

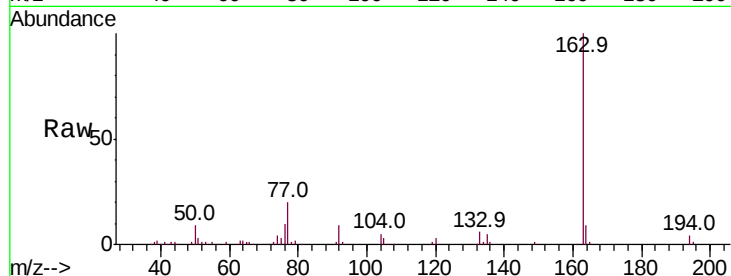
Tot Ion:163 Resp: 83905

Ion Ratio Lower Upper

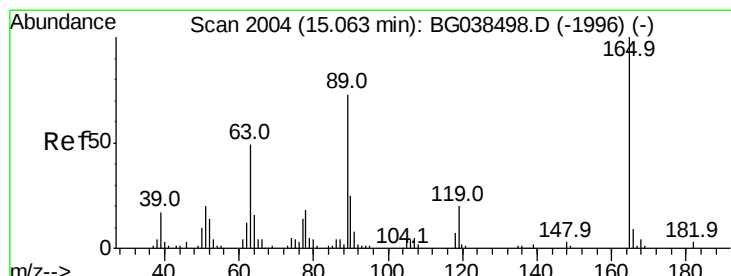
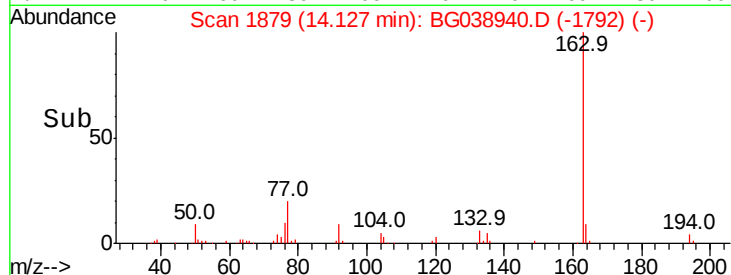
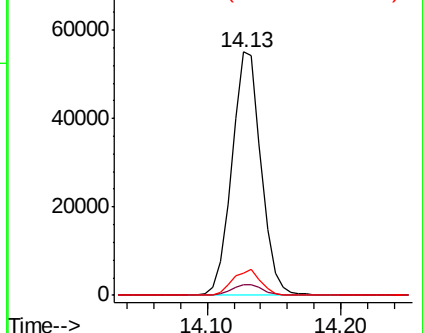
163 100

194 4.3 3.7 5.5

164 9.2 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 5.086 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.38 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

Tgt Ion:165 Resp: 9275

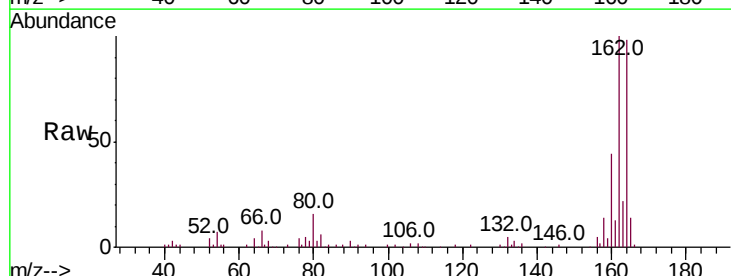
Ion Ratio Lower Upper

165 100

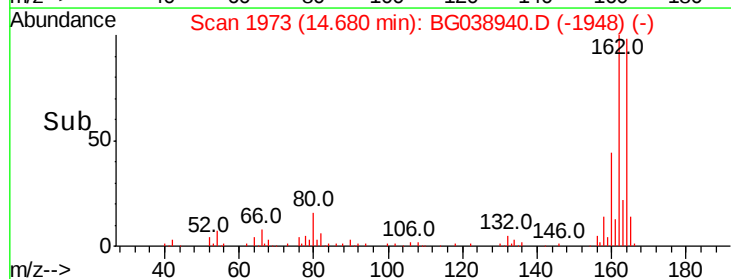
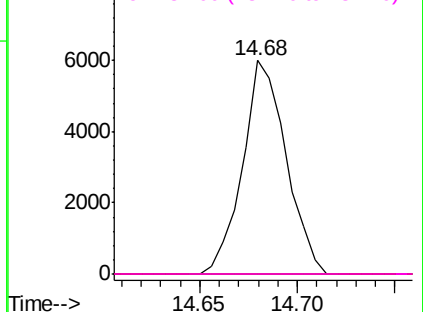
63 0.0 39.0 58.4#

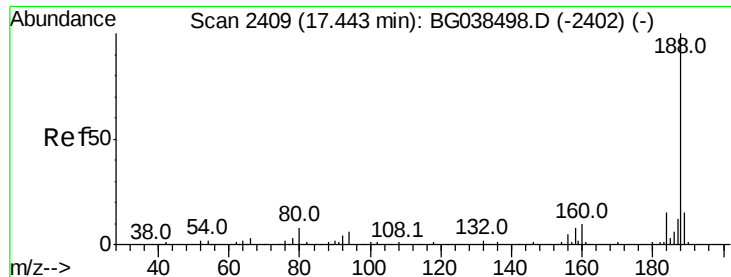
89 0.0 58.0 87.0#

182 0.0 2.3 3.5#



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

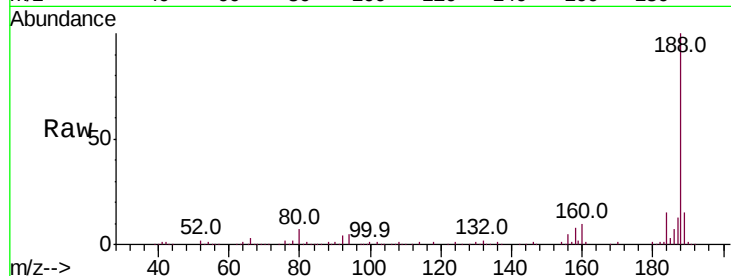




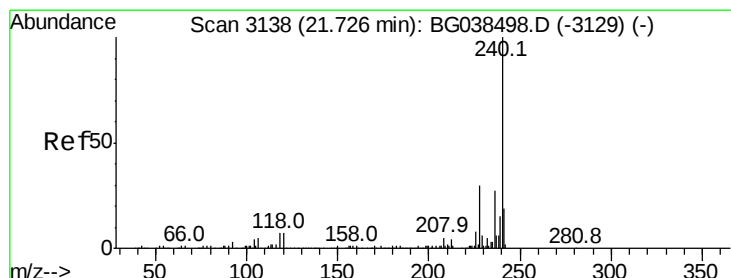
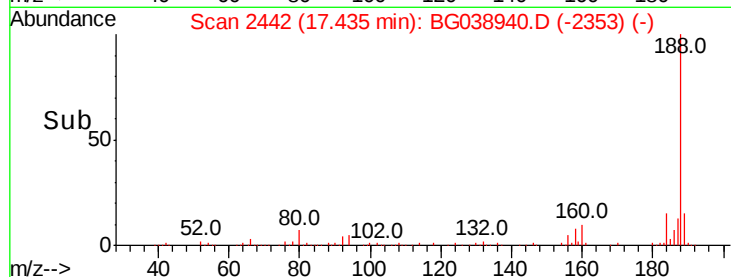
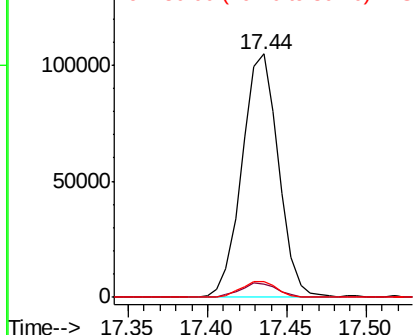
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG038940.D
Acq: 4 Jan 2019 21:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 167294
Ion Ratio Lower Upper
188 100
94 5.5 5.1 7.7
80 6.6 6.1 9.1

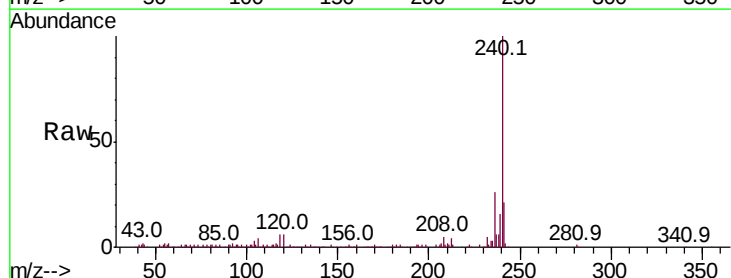


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

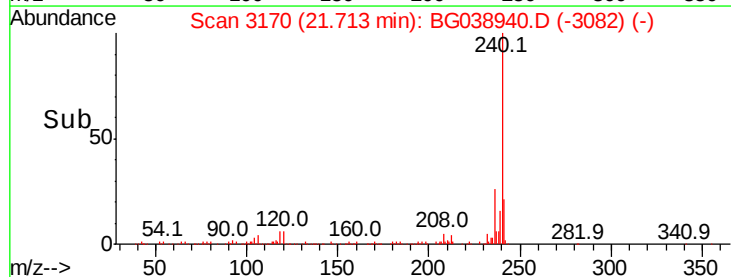
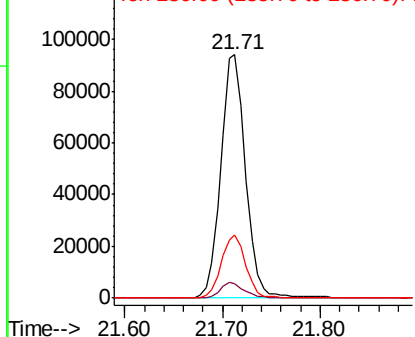


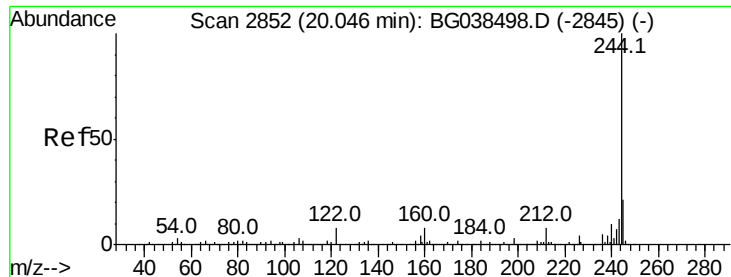
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG038940.D
Acq: 4 Jan 2019 21:46

Tgt Ion:240 Resp: 164463
Ion Ratio Lower Upper
240 100
120 6.1 5.3 7.9
236 26.0 21.4 32.2



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





#79

Terphenyl-d14

Concen: 0.853 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

Instrument :

BNA_G

ClientSampleId :

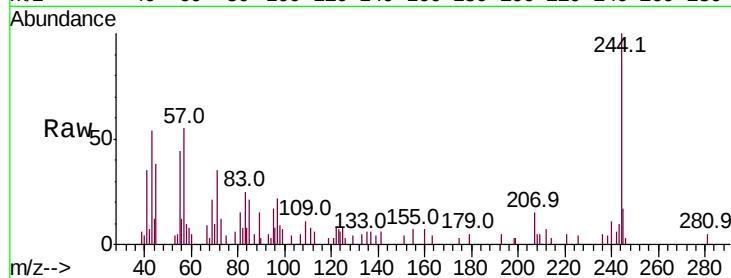
Tot Ion:244 Resp: 6445

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

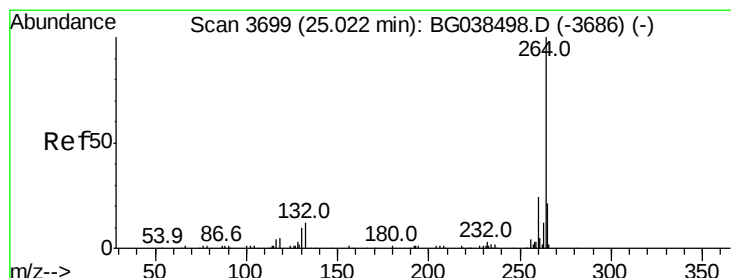
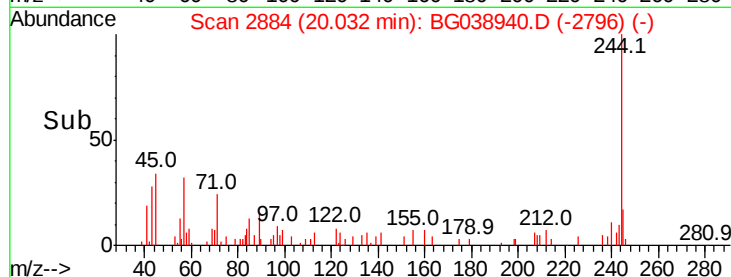
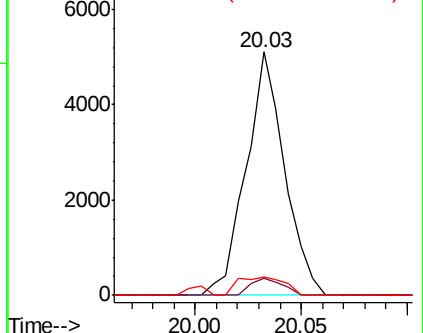
122 7.8 6.3 9.5



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: 25.00 min Scan# 3730

Delta R.T. -0.02 min

Lab File: BG038940.D

Acq: 4 Jan 2019 21:46

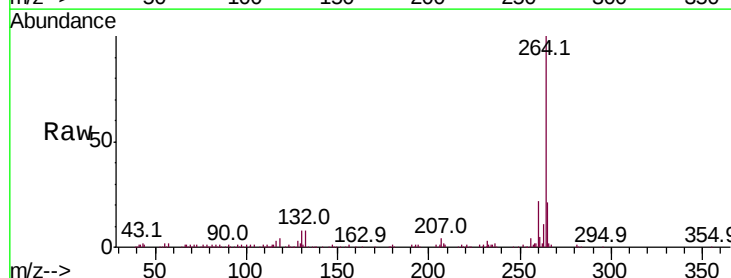
Tgt Ion:264 Resp: 174076

Ion Ratio Lower Upper

264 100

260 21.9 18.9 28.3

265 21.5 17.0 25.4



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

