

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
 Data File : BG038034.D
 Acq On : 16 Nov 2018 15:24
 Operator : JU/SJ
 Sample : J5965-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 18:05:13 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

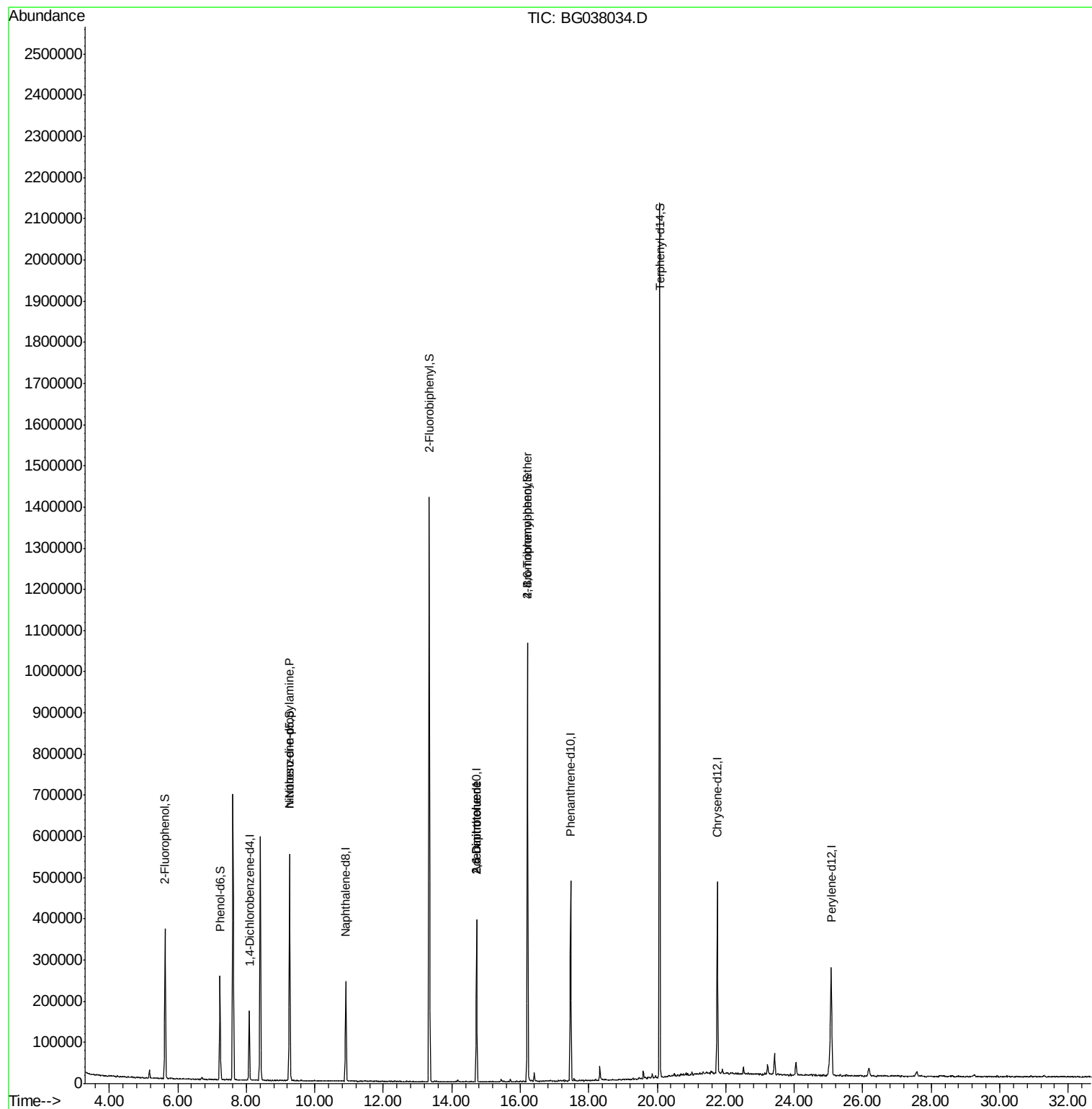
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	48834	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	216536	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	134719	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	304414	20.00	ng	0.00
76) Chrysene-d12	21.75	240	283905	20.00	ng	0.00
87) Perylene-d12	25.07	264	285141	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	171643	60.69	ng	0.00
7) Phenol-d6	7.23	99	153934	38.13	ng	0.00
23) Nitrobenzene-d5	9.26	82	343149	84.83	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	188144	122.45	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	783987	84.78	ng	0.00
79) Terphenyl-d14	20.07	244	1051826	87.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	43604	14.926	ng	# 75
51) 2,6-Dinitrotoluene	14.72	165	17374	7.188	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	17374	5.283	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	13949	4.175	ng	# 1

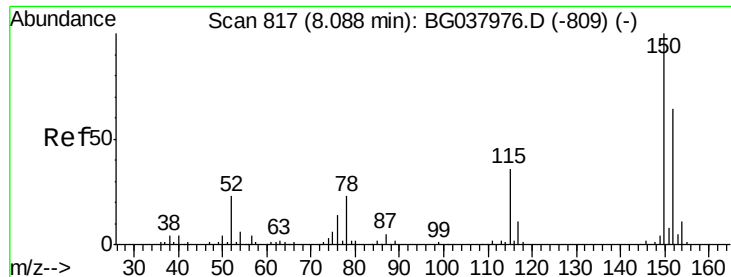
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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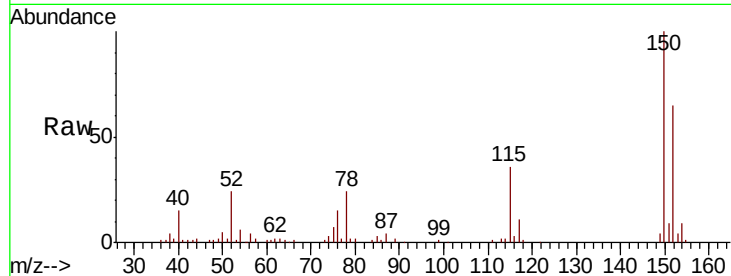


#1

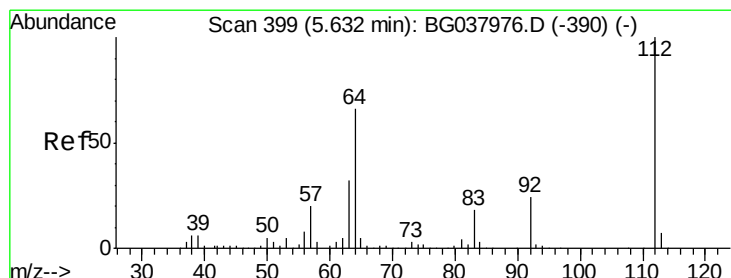
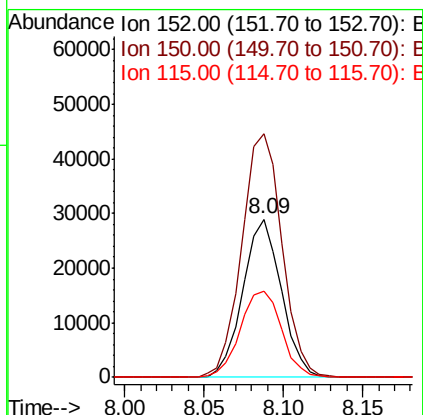
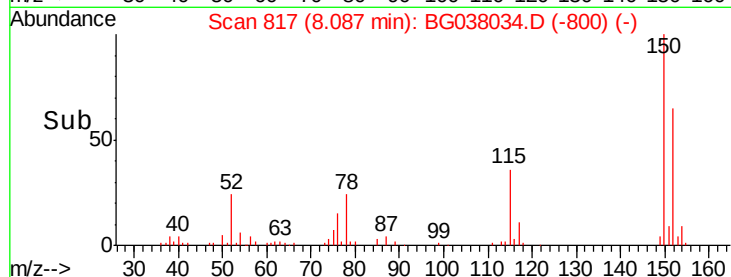
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.00 min
Lab File: BG038034.D
Acq: 16 Nov 2018 15:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 48834
Ion Ratio Lower Upper
152 100
150 154.3 126.0 189.0
115 55.0 45.5 68.3



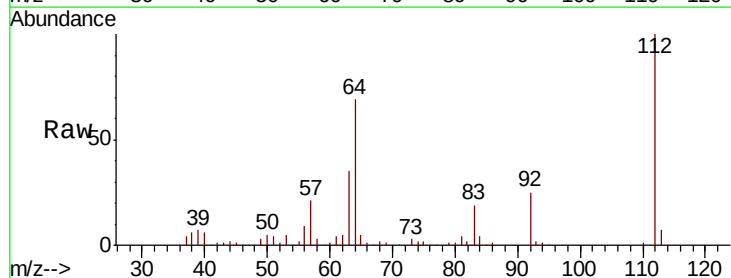
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



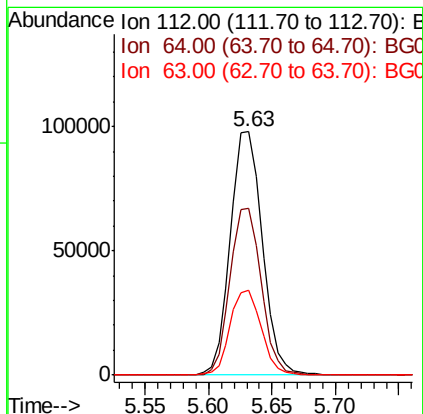
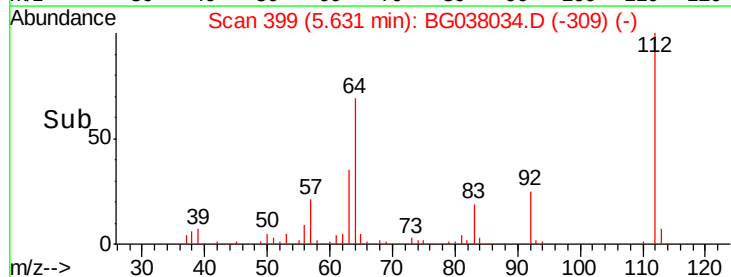
#5

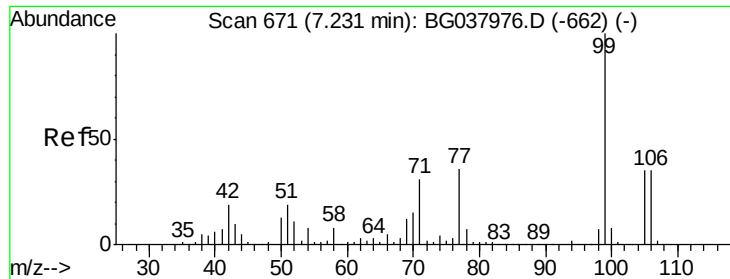
2-Fluorophenol
Concen: 60.686 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG038034.D
Acq: 16 Nov 2018 15:24

Tgt Ion:112 Resp: 171643
Ion Ratio Lower Upper
112 100
64 68.6 53.1 79.7
63 34.7 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: 38.127 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

Instrument :

BNA_F

ClientSampled :

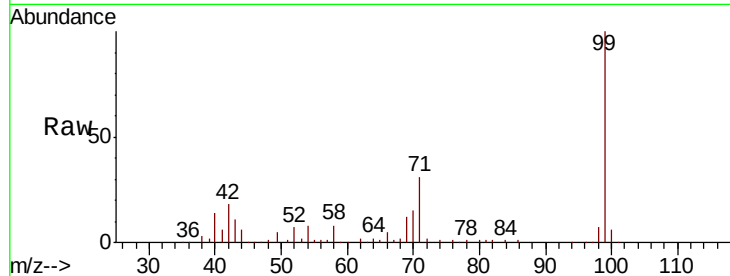
Tot Ion: 99 Resp: 153934

Ion Ratio Lower Upper

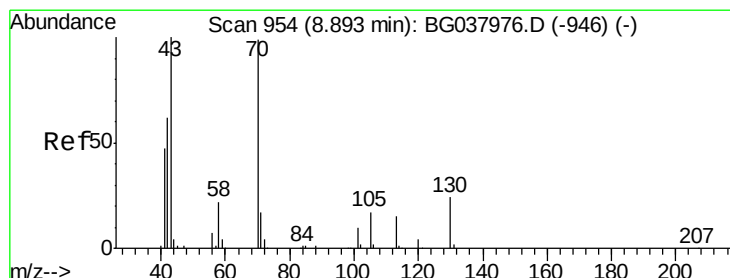
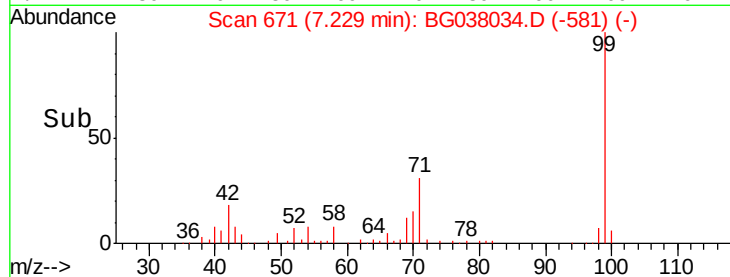
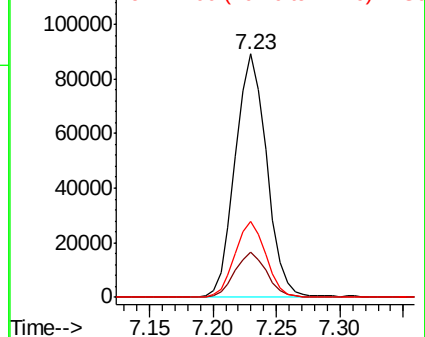
99 100

42 18.5 15.0 22.4

71 31.4 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: 14.926 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

Tgt Ion: 70 Resp: 43604

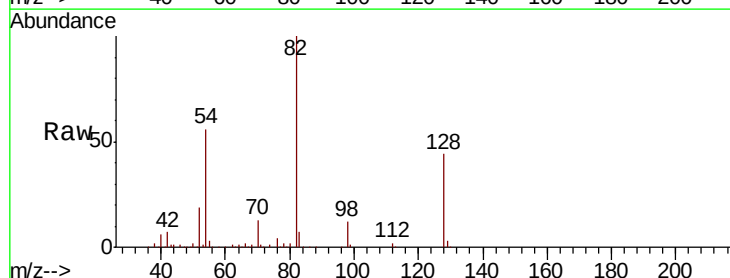
Ion Ratio Lower Upper

70 100

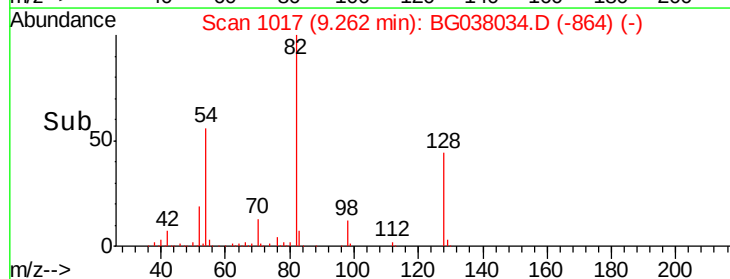
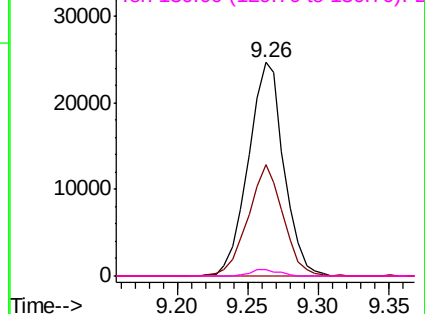
42 52.3 53.9 80.9#

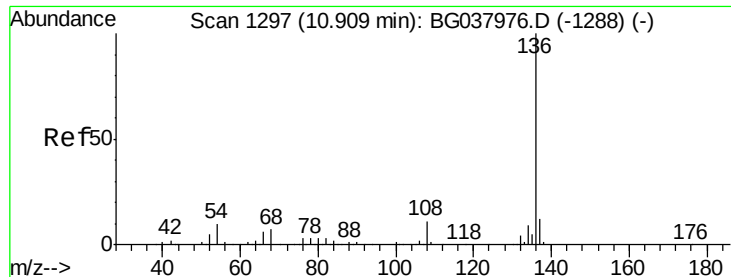
101 0.0 8.2 12.2#

130 2.9 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: 10.91 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 216536

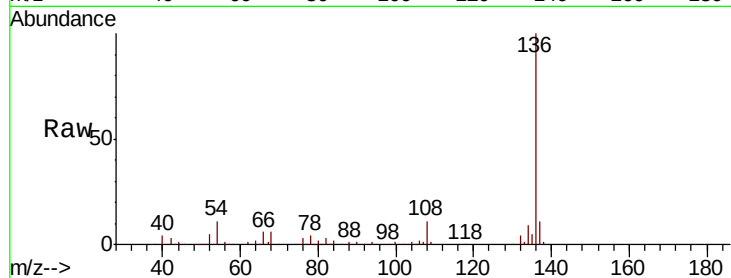
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 11.0 7.9 11.9

68 6.1 4.8 7.2

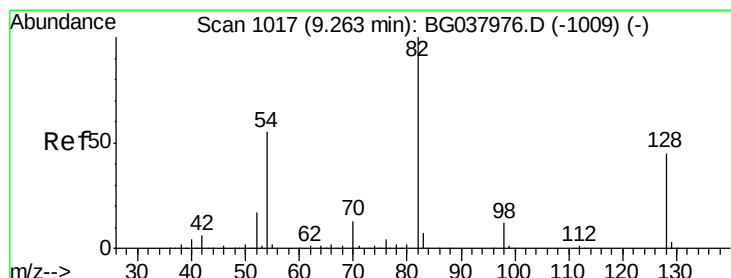
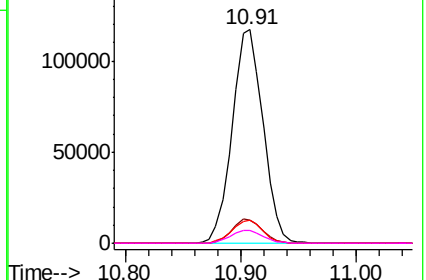
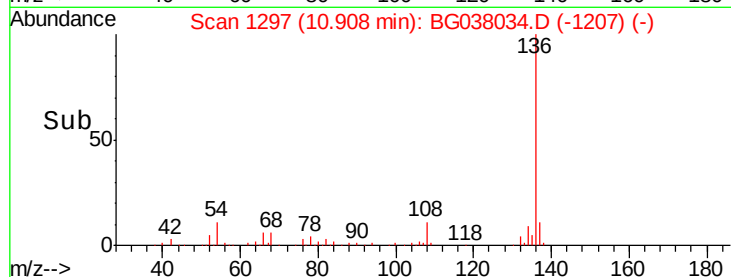


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 84.831 ng

RT: 9.26 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

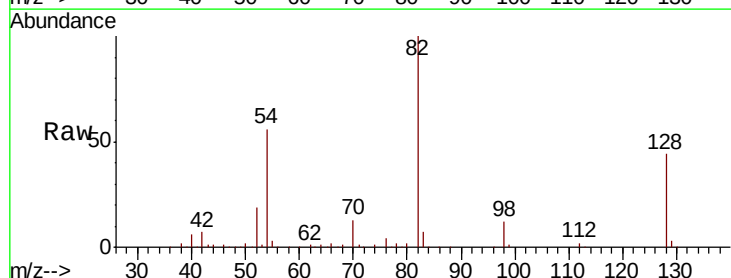
Tgt Ion: 82 Resp: 343149

Ion Ratio Lower Upper

82 100

128 44.0 34.6 51.8

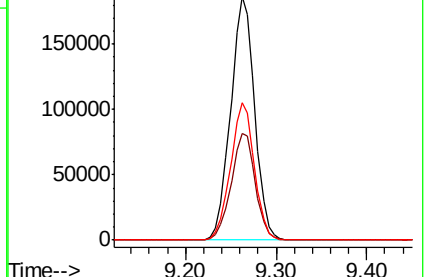
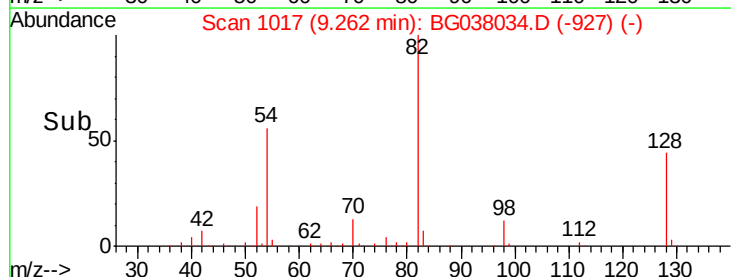
54 56.3 45.3 67.9

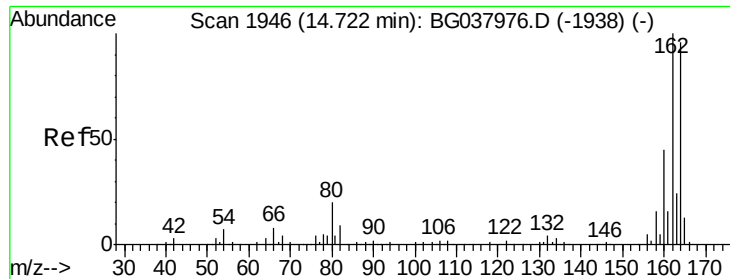


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 1946

Delta R.T. -0.00 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

Instrument :

BNA_F

ClientSampleId :

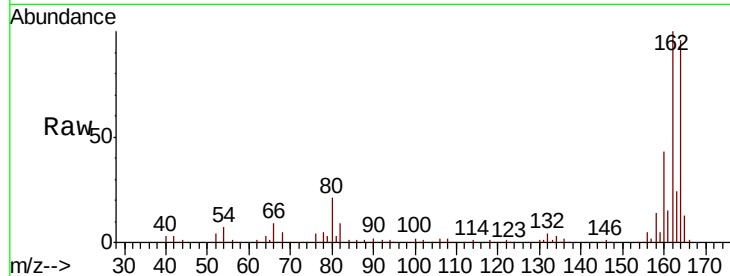
Tot Ion:164 Resp: 134719

Ion Ratio Lower Upper

164 100

162 103.9 81.3 121.9

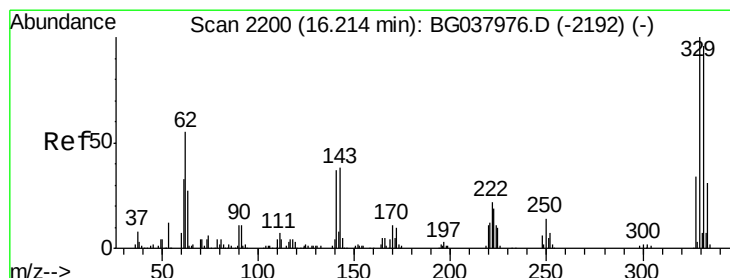
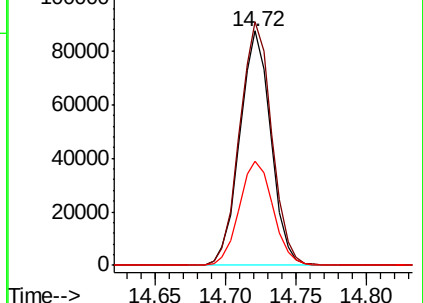
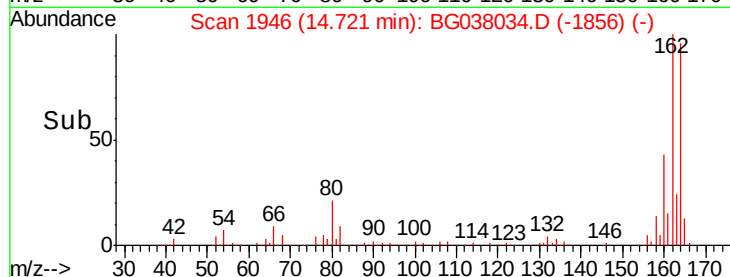
160 44.6 36.3 54.5



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: 122.455 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

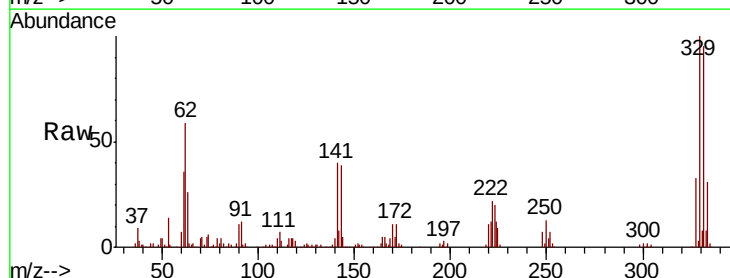
Tgt Ion:330 Resp: 188144

Ion Ratio Lower Upper

330 100

332 95.9 78.4 117.6

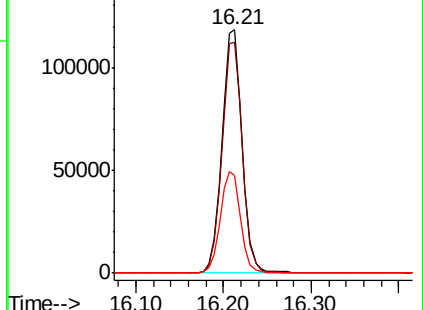
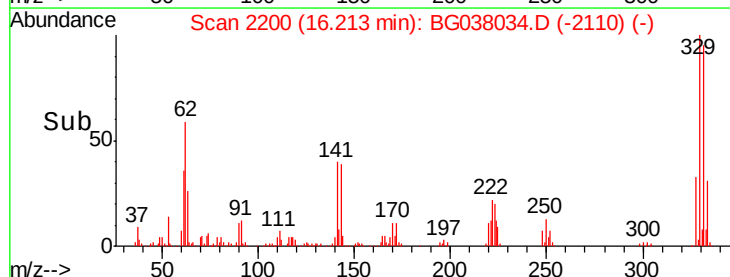
141 41.6 32.2 48.2

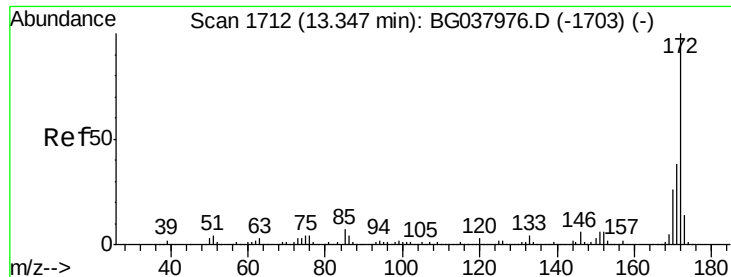


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

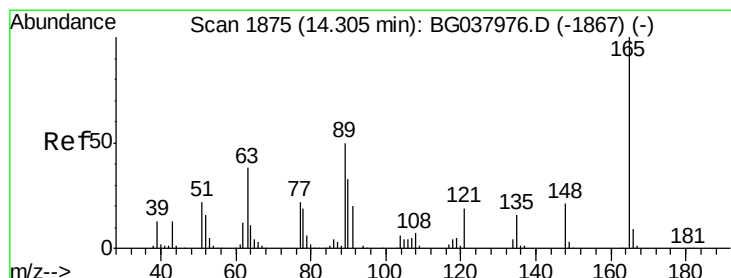
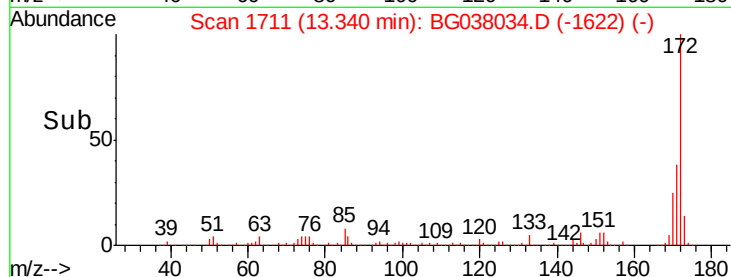
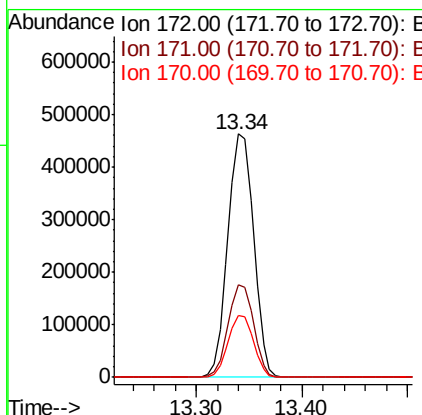
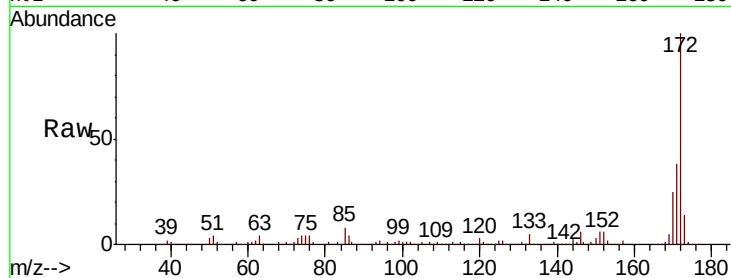




#45
 2-Fluorobiphenyl
 Concen: 84.780 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG038034.D
 Acq: 16 Nov 2018 15:24

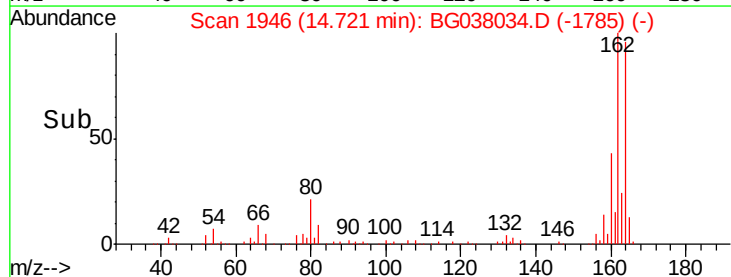
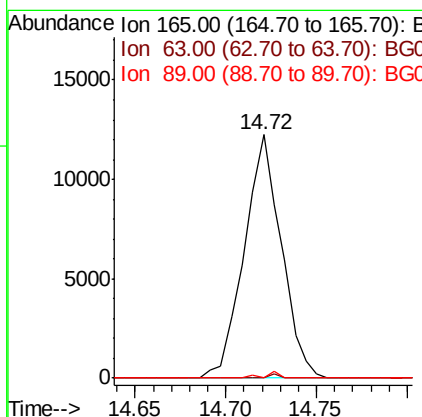
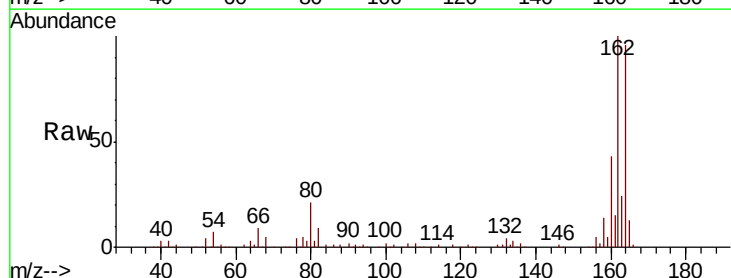
Instrument :
 BNA_F
 ClientSampleId :

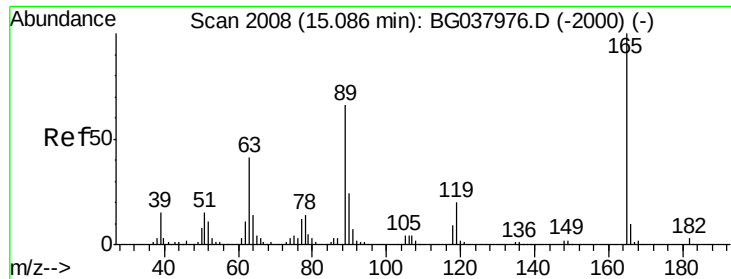
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.0	46.4
170	25.2	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.188 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038034.D
 Acq: 16 Nov 2018 15:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#





#57

2,4-Dinitrotoluene

Concen: 5.283 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.37 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 17374

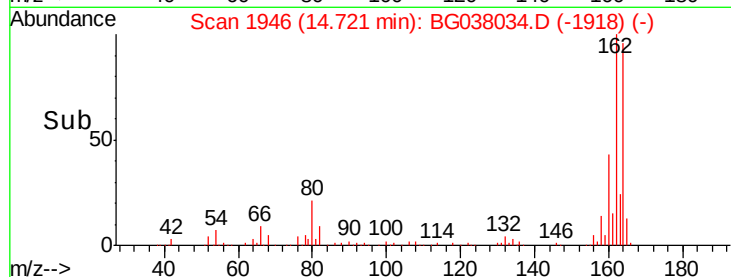
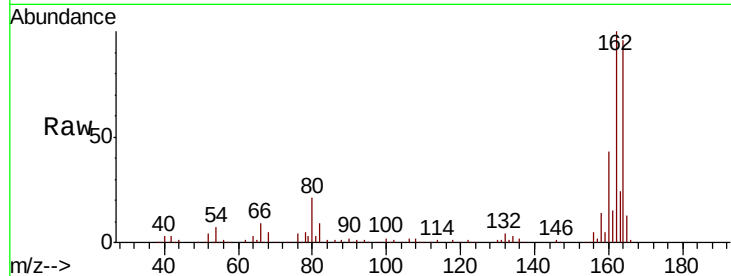
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

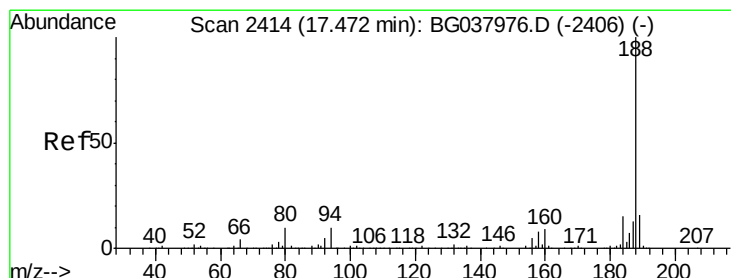
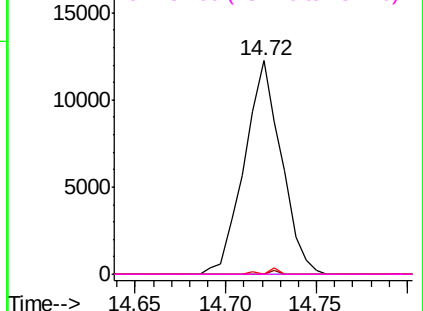


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2414

Delta R.T. -0.00 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

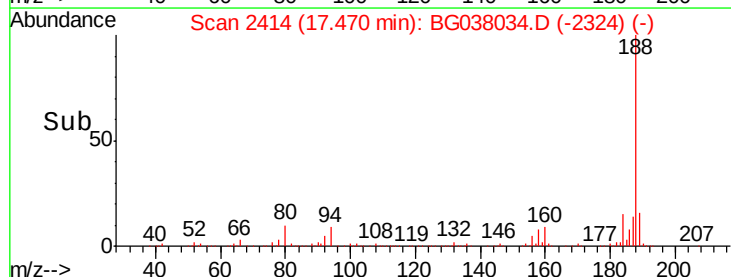
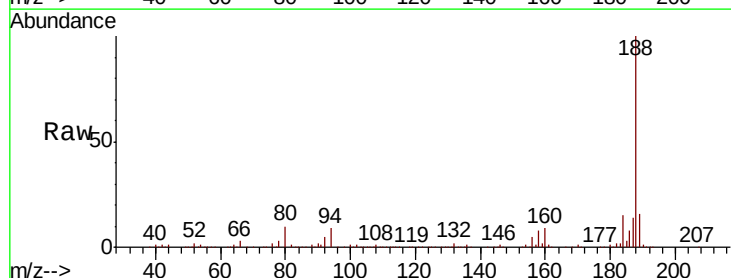
Tgt Ion:188 Resp: 304414

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

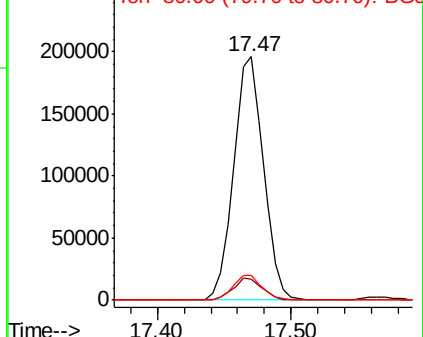
80 9.9 7.7 11.5

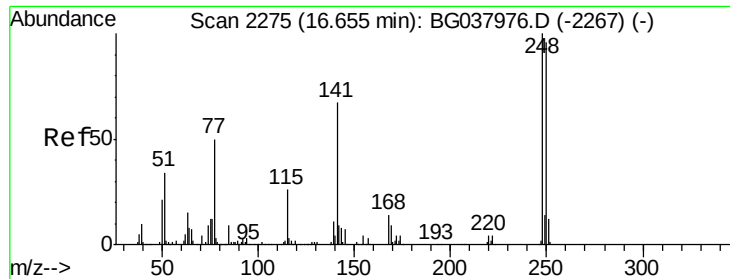


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

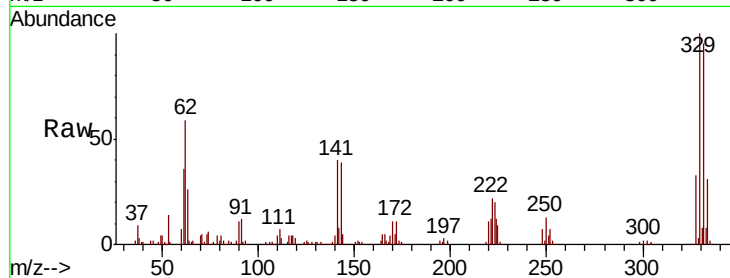




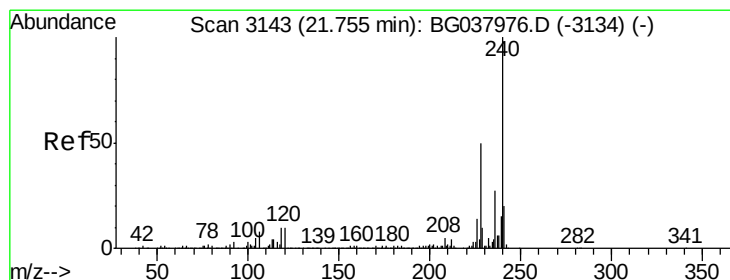
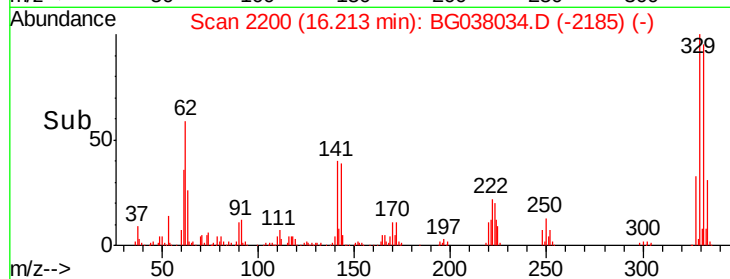
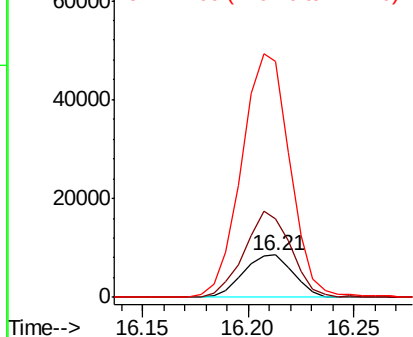
#67
4-Bromophenyl-phenylether
Concen: 4.175 ng
RT: 16.21 min Scan# 2200
Delta R.T. -0.44 min
Lab File: BG038034.D
Acq: 16 Nov 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13949
Ion Ratio Lower Upper
248 100
250 239.6 77.0 115.6#
141 554.8 55.5 83.3#

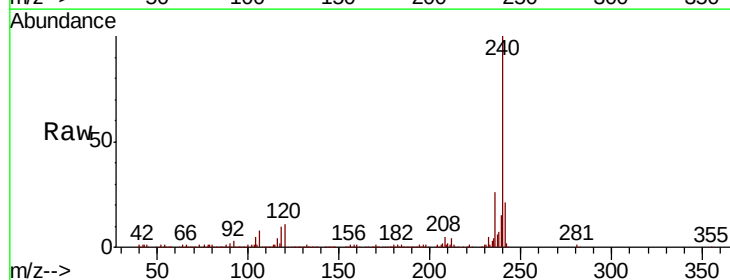


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

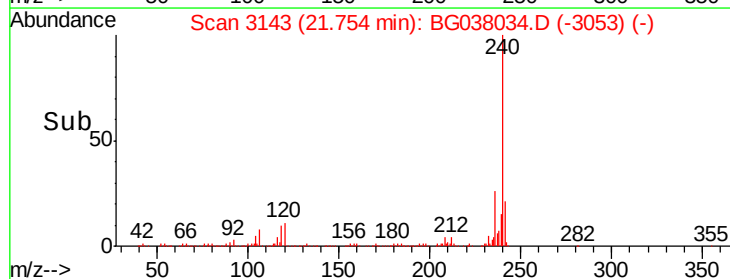
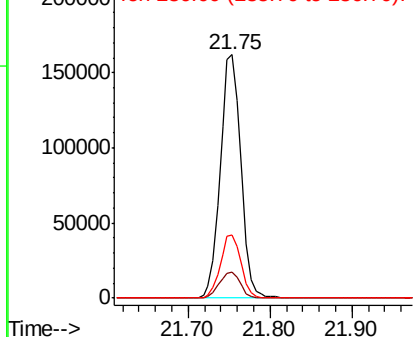


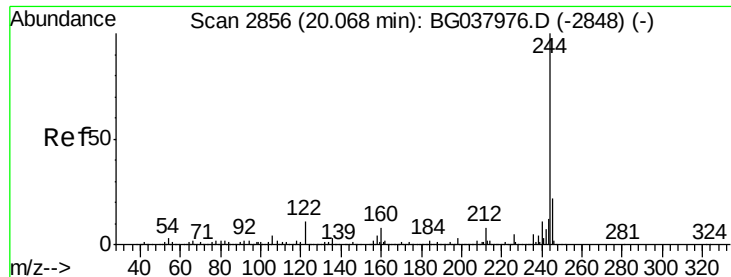
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BG038034.D
Acq: 16 Nov 2018 15:24

Tgt Ion:240 Resp: 283905
Ion Ratio Lower Upper
240 100
120 10.9 8.1 12.1
236 25.8 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





#79

Terphenyl-d14

Concen: 87.175 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

Instrument :

BNA_F

ClientSampleId :

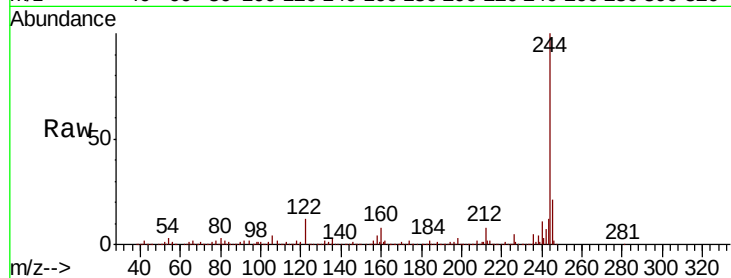
Tot Ion:244 Resp: 1051826

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

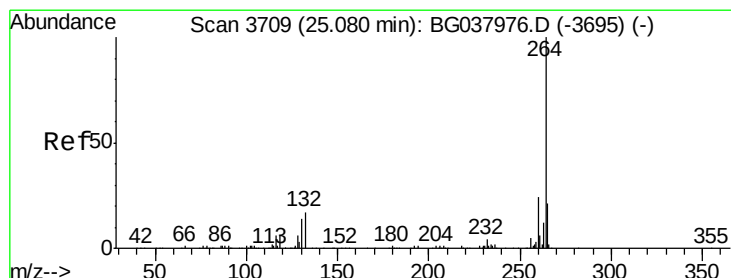
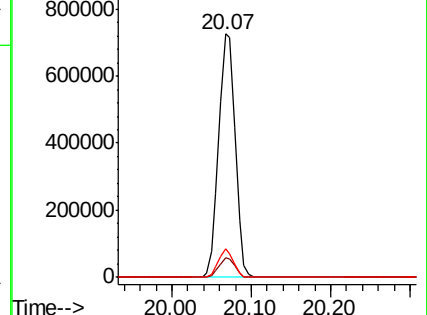
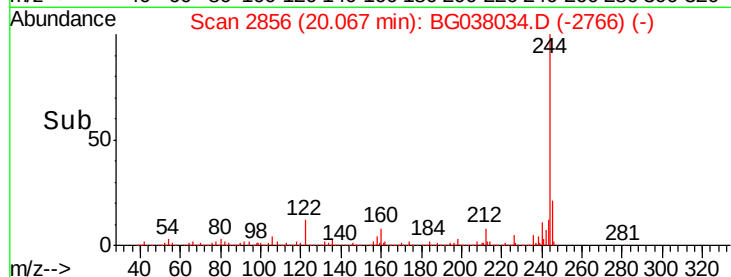
122 11.6 9.0 13.4



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: 25.07 min Scan# 3708

Delta R.T. -0.01 min

Lab File: BG038034.D

Acq: 16 Nov 2018 15:24

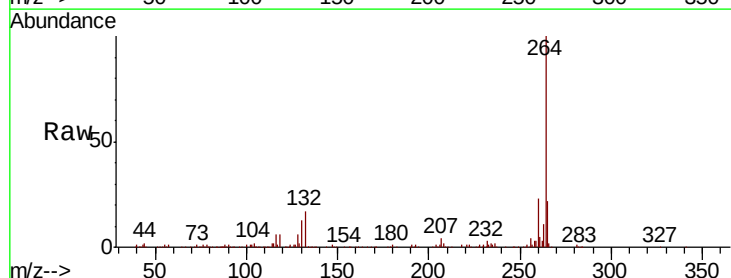
Tgt Ion:264 Resp: 285141

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 22.3 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

