

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
 Data File : BG038037.D
 Acq On : 16 Nov 2018 17:21
 Operator : JU/SJ
 Sample : J5965-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 18:05:41 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

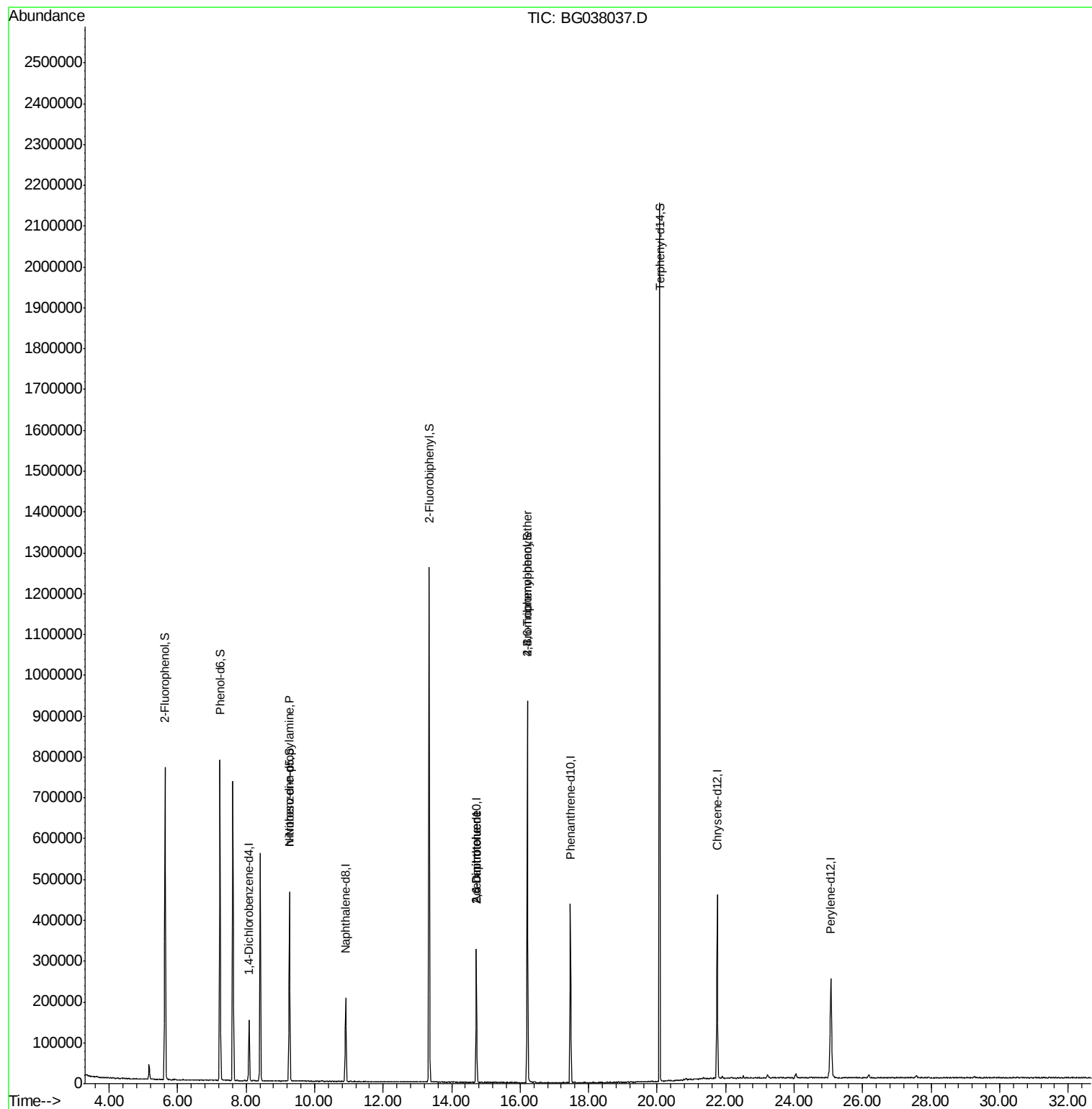
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	44012	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	187761	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	117137	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	280639	20.00	ng	0.00
76) Chrysene-d12	21.75	240	273024	20.00	ng	0.00
87) Perylene-d12	25.07	264	272296	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	347576	136.35	ng	0.00
7) Phenol-d6	7.23	99	479055	131.66	ng	0.00
23) Nitrobenzene-d5	9.26	82	295601	84.28	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	168593	126.20	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	684973	85.19	ng	0.00
79) Terphenyl-d14	20.07	244	1062176	91.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	36894	14.013	ng	# 72
51) 2,6-Dinitrotoluene	14.72	165	15397	7.326	ng	# 24
57) 2,4-Dinitrotoluene	14.72	165	15397	5.384	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	12778	4.148	ng	# 1

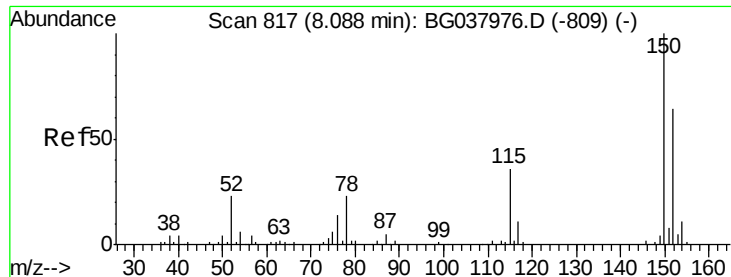
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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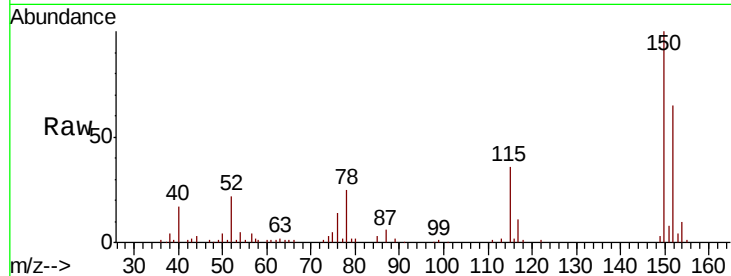


#1

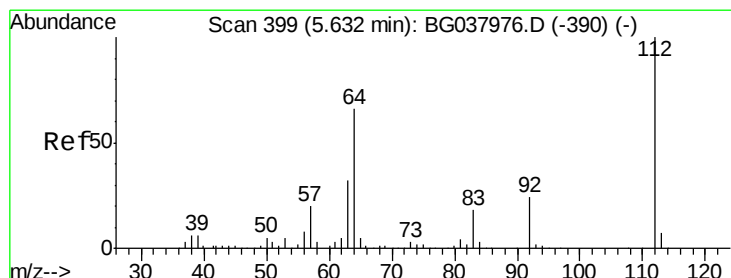
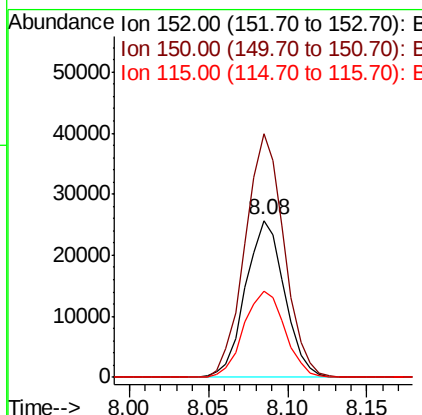
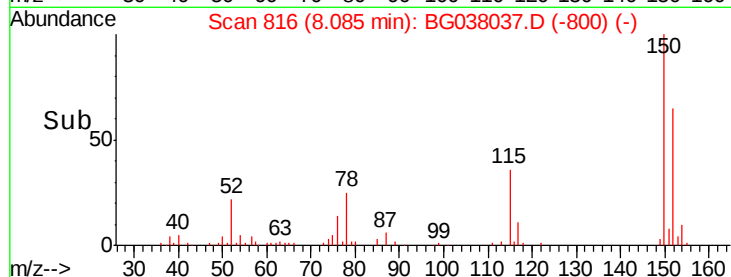
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038037.D
Acq: 16 Nov 2018 17:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 44012
Ion Ratio Lower Upper
152 100
150 155.0 126.0 189.0
115 55.0 45.5 68.3



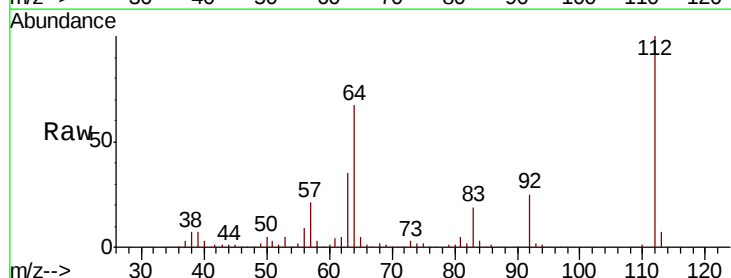
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



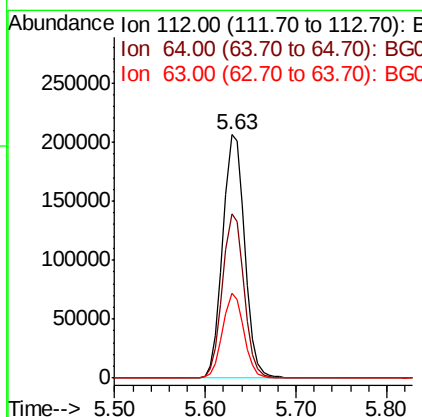
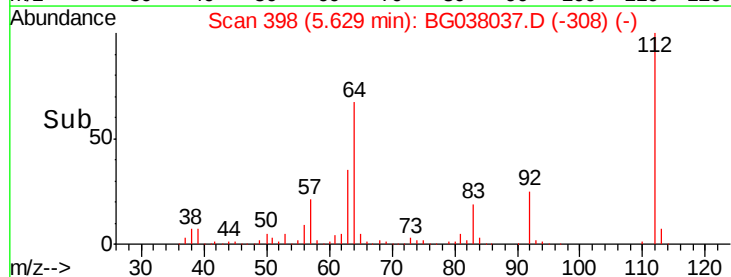
#5

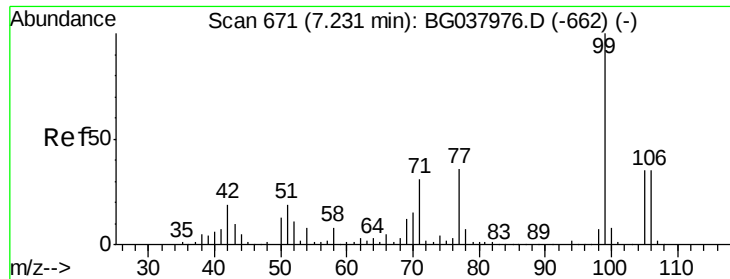
2-Fluorophenol
Concen: 136.352 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038037.D
Acq: 16 Nov 2018 17:21

Tgt Ion:112 Resp: 347576
Ion Ratio Lower Upper
112 100
64 67.4 53.1 79.7
63 34.8 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 131.656 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038037.D

Acq: 16 Nov 2018 17:21

Instrument :

BNA_F

ClientSampleId :

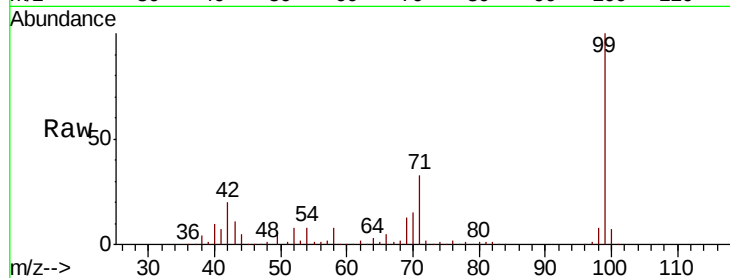
Tot Ion: 99 Resp: 479055

Ion Ratio Lower Upper

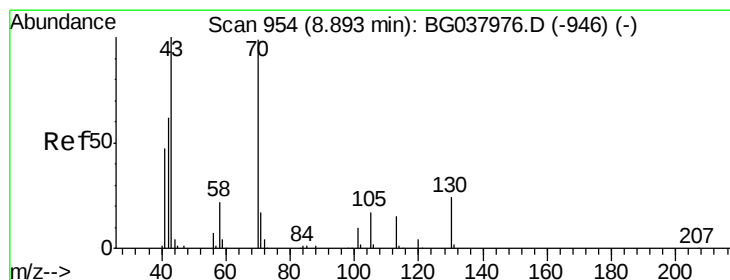
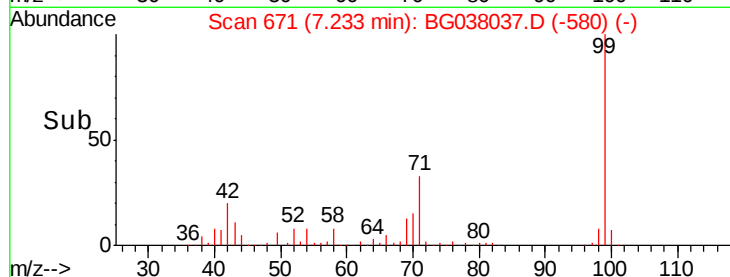
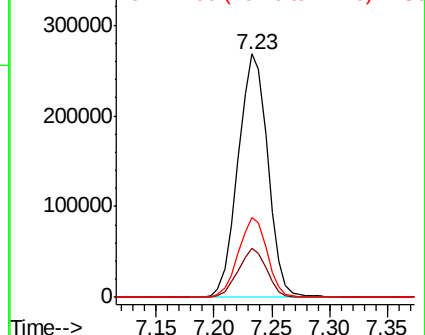
99 100

42 20.2 15.0 22.4

71 32.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.013 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038037.D

Acq: 16 Nov 2018 17:21

Tgt Ion: 70 Resp: 36894

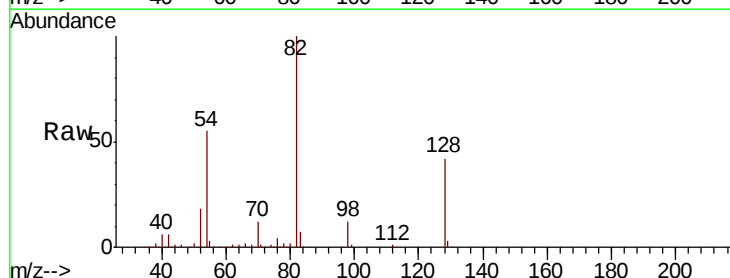
Ion Ratio Lower Upper

70 100

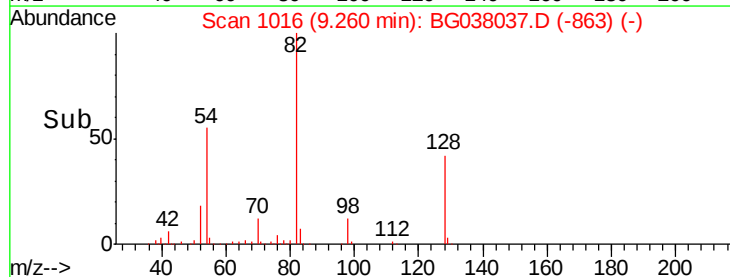
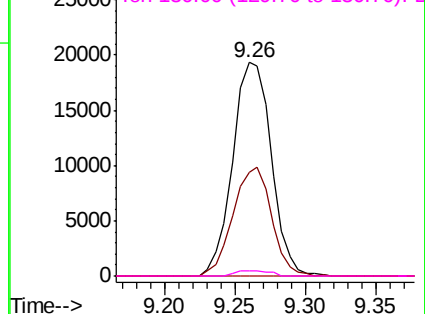
42 48.3 53.9 80.9#

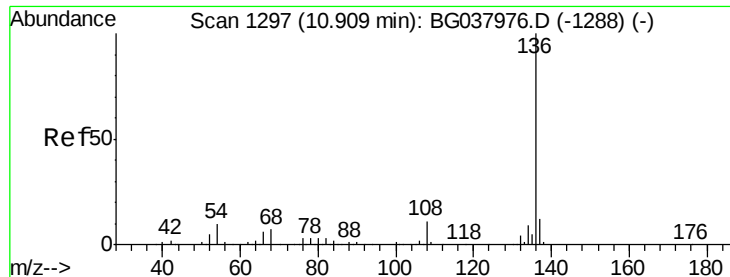
101 0.0 8.2 12.2#

130 2.4 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. -0.00 min

Lab File: BG038037.D

Acq: 16 Nov 2018 17:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 187761

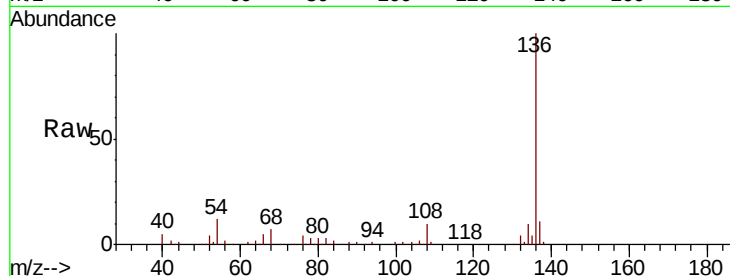
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 11.6 7.9 11.9

68 6.9 4.8 7.2

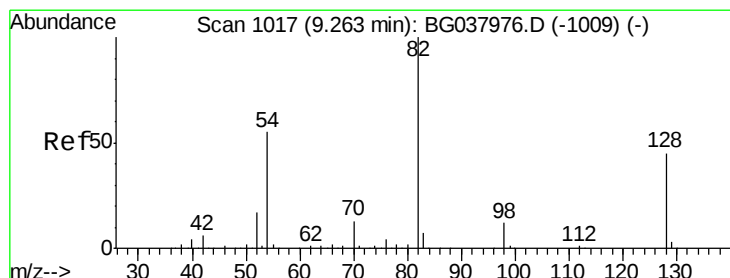
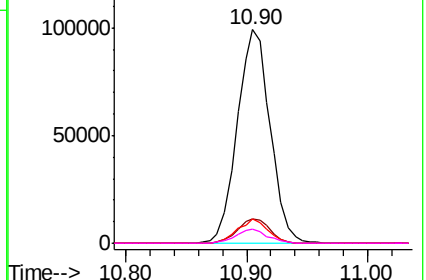
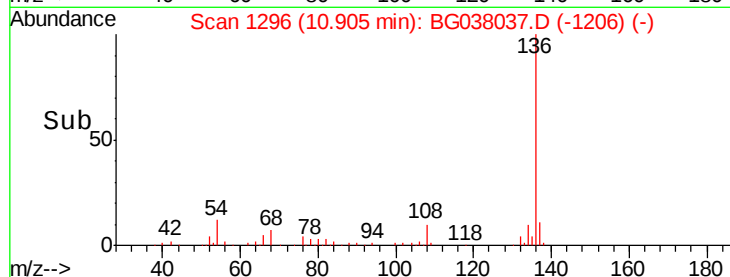


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.275 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG038037.D

Acq: 16 Nov 2018 17:21

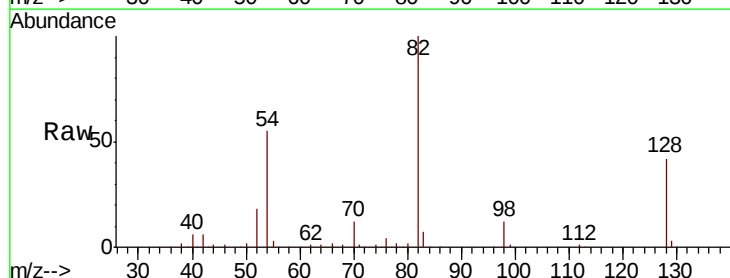
Tgt Ion: 82 Resp: 295601

Ion Ratio Lower Upper

82 100

128 42.4 34.6 51.8

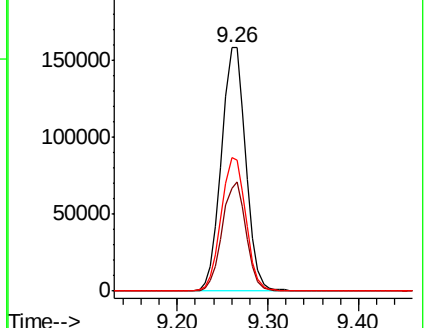
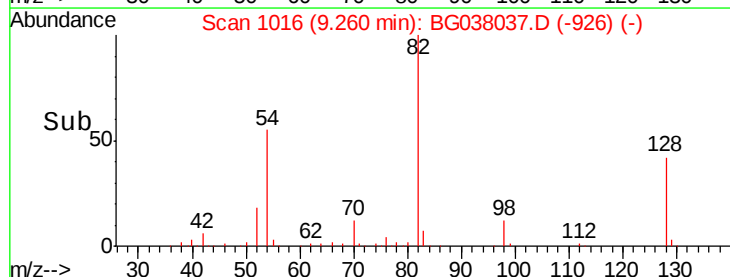
54 54.8 45.3 67.9

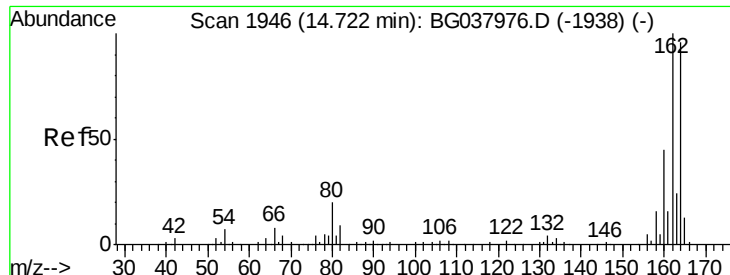


Abundance Ion 82.00 (81.70 to 82.70): BGC

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. -0.00 min

Lab File: BG038037.D

Acq: 16 Nov 2018 17:21

Instrument :

BNA_F

ClientSampleId :

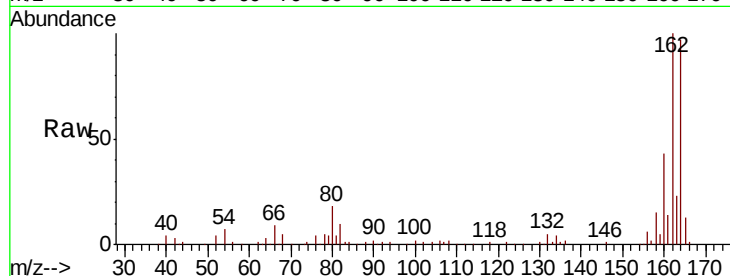
Tot Ion:164 Resp: 117137

Ion Ratio Lower Upper

164 100

162 103.1 81.3 121.9

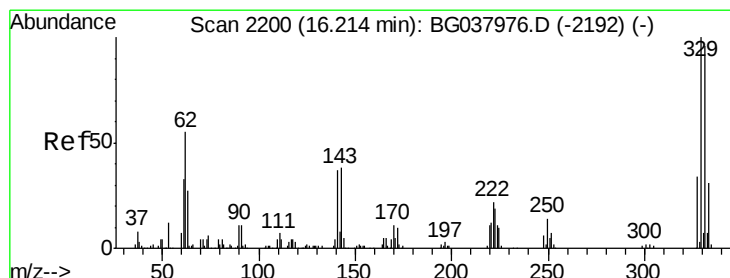
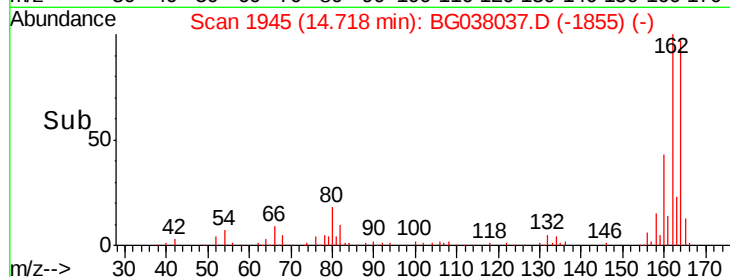
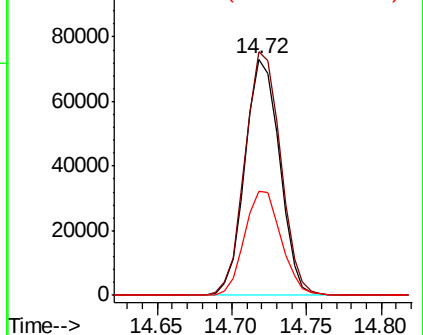
160 44.2 36.3 54.5



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: 126.200 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038037.D

Acq: 16 Nov 2018 17:21

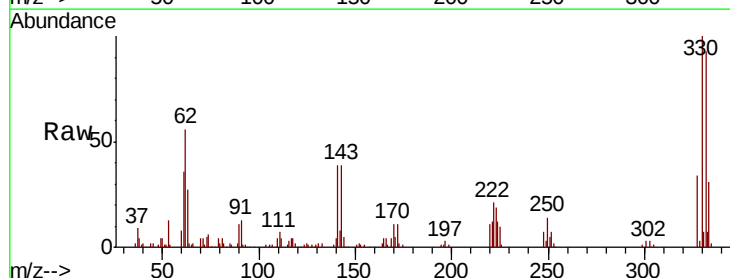
Tgt Ion:330 Resp: 168593

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

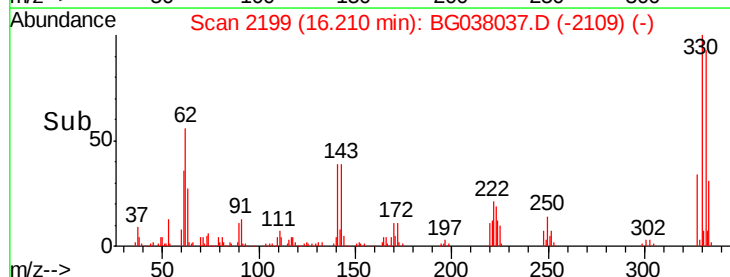
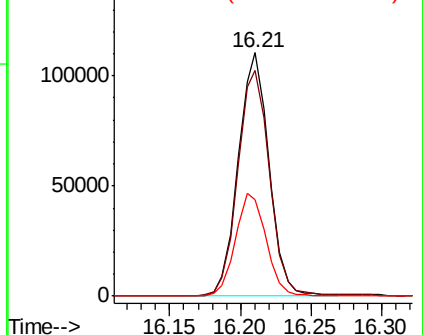
141 42.0 32.2 48.2

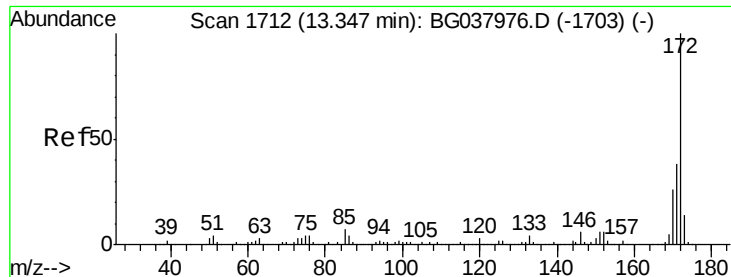


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



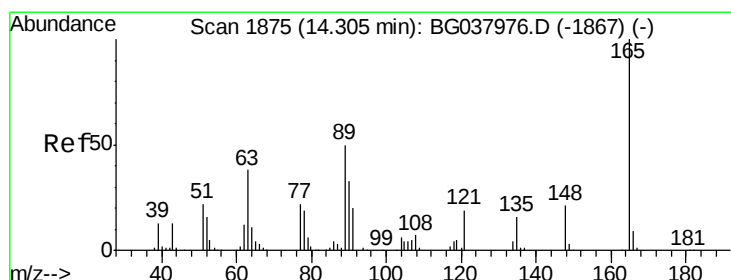
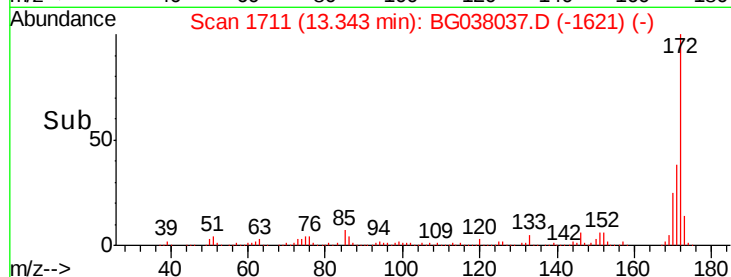
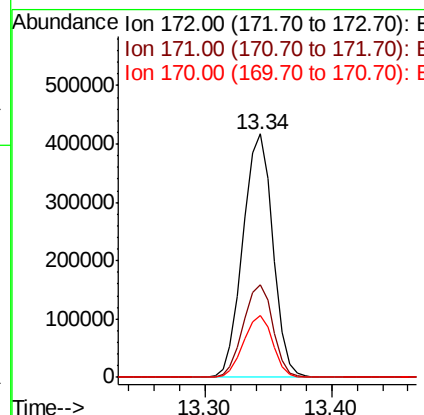
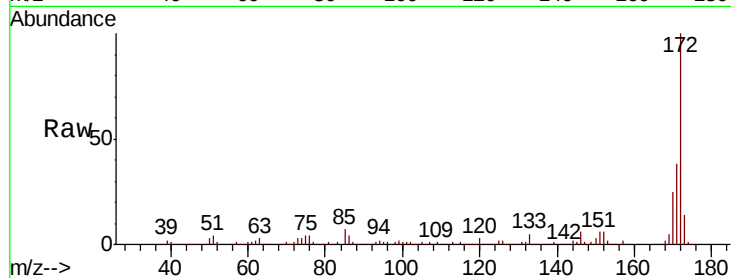


#45
 2-Fluorobiphenyl
 Concen: 85.191 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BG038037.D
 Acq: 16 Nov 2018 17:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 684973

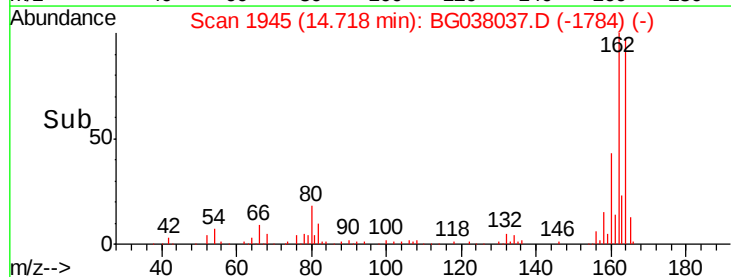
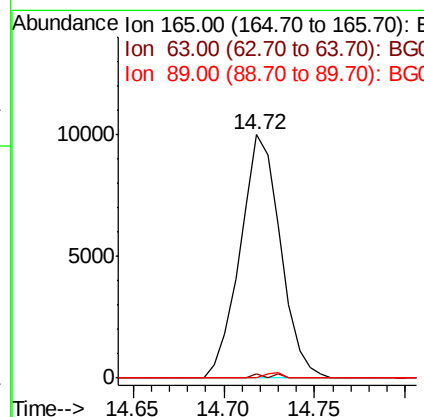
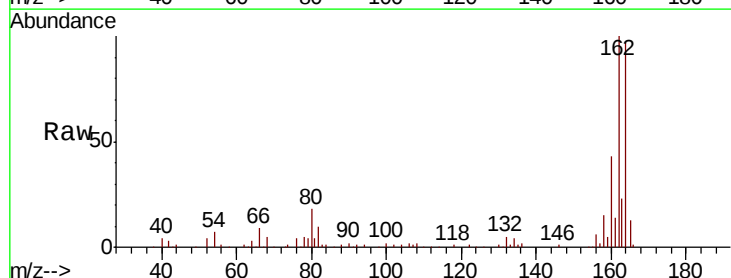
Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.0	46.4
170	25.3	20.2	30.2

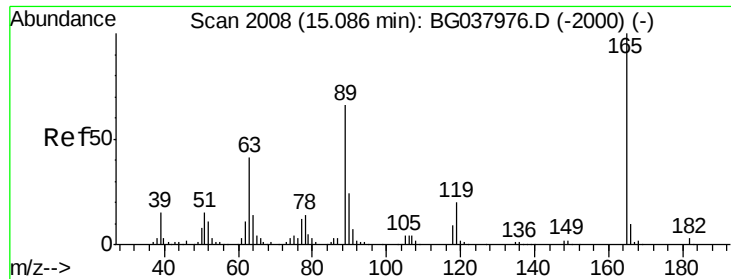


#51
 2,6-Dinitrotoluene
 Concen: 7.326 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038037.D
 Acq: 16 Nov 2018 17:21

Tgt Ion:165 Resp: 15397

Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.4	65.2#
89	0.0	45.8	68.6#

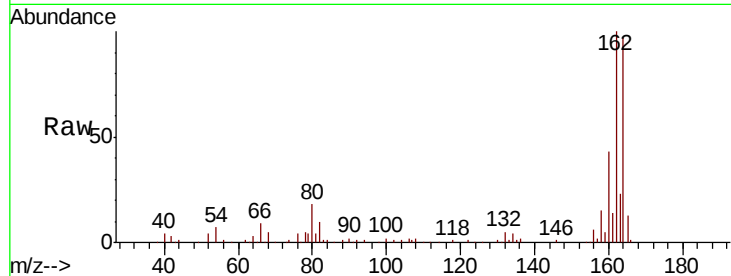




#57
 2,4-Dinitrotoluene
 Concen: 5.384 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038037.D
 Acq: 16 Nov 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



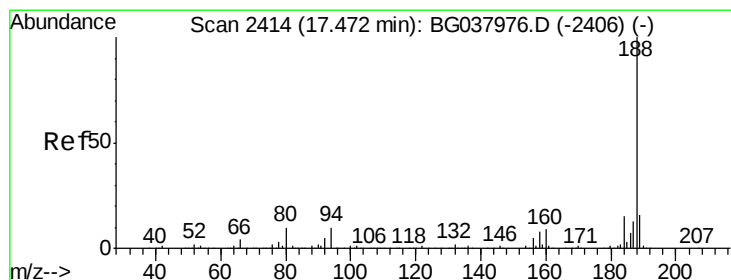
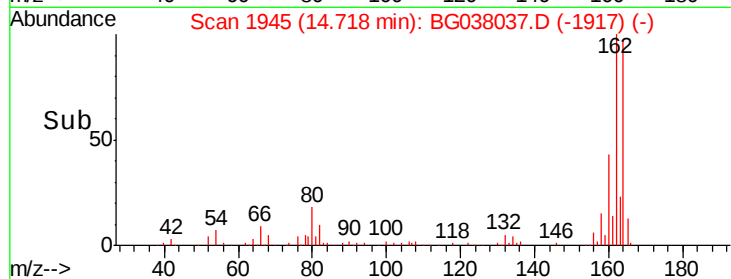
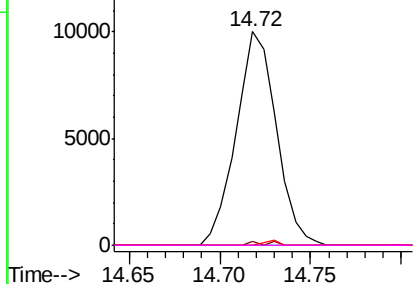
Abundance

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. -0.00 min
 Lab File: BG038037.D
 Acq: 16 Nov 2018 17:21

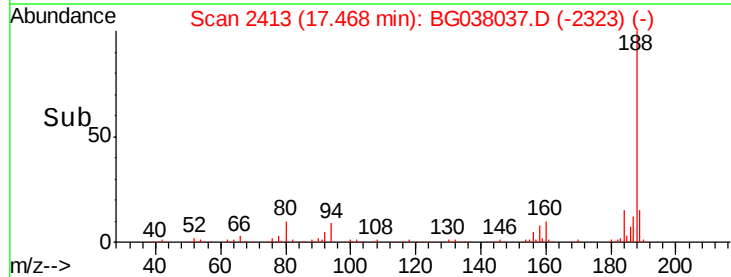
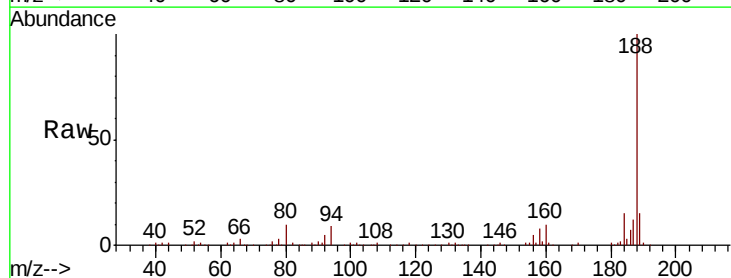
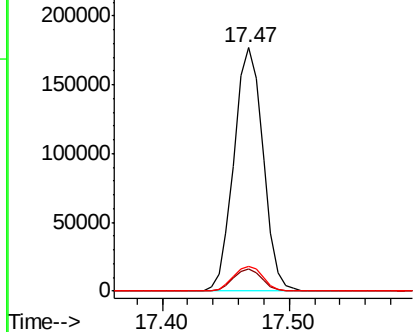
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.1	7.7	11.5

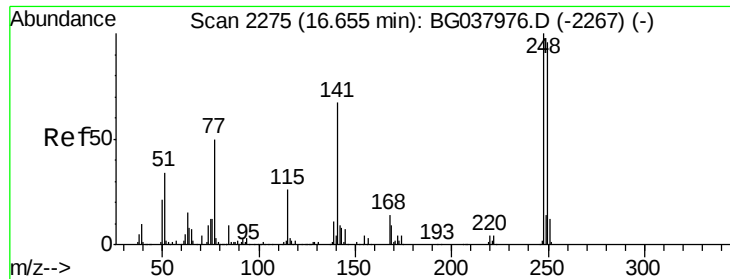
Abundance

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

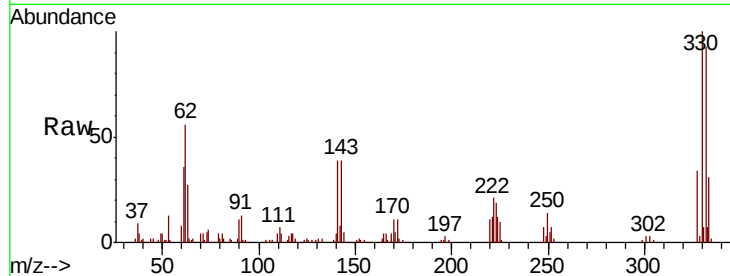




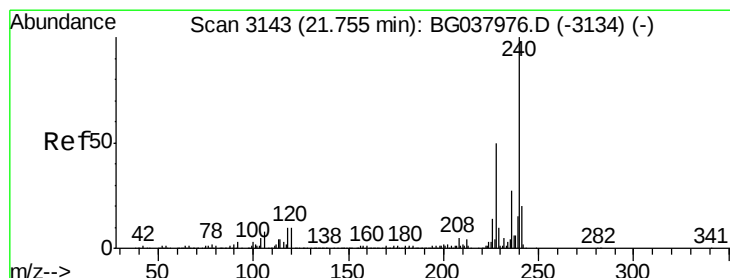
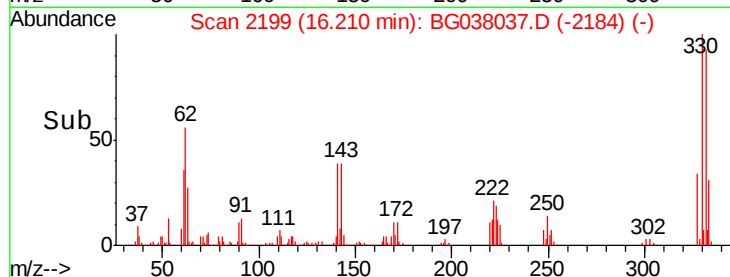
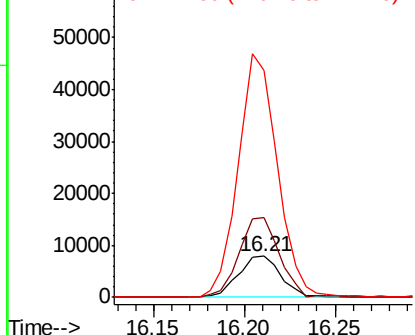
#67
4-Bromophenyl-phenylether
Concen: 4.148 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.44 min
Lab File: BG038037.D
Acq: 16 Nov 2018 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12778
Ion Ratio Lower Upper
248 100
250 188.3 77.0 115.6#
141 404.0 55.5 83.3#

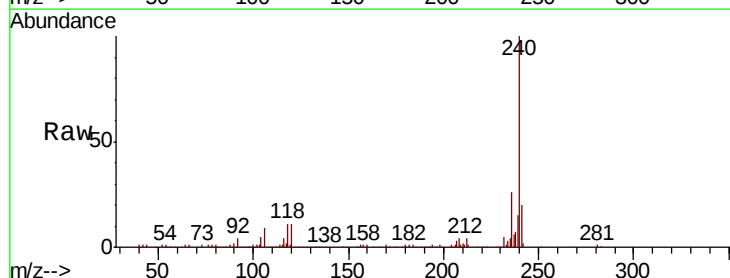


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

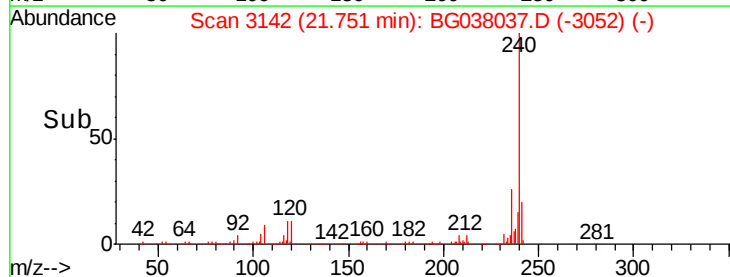
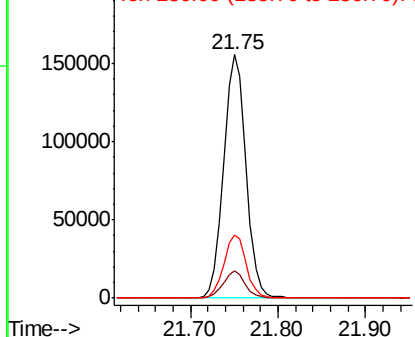


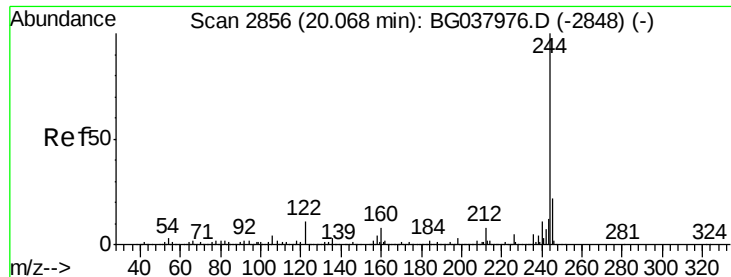
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG038037.D
Acq: 16 Nov 2018 17:21

Tgt Ion:240 Resp: 273024
Ion Ratio Lower Upper
240 100
120 11.1 8.1 12.1
236 26.0 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: 91.542 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038037.D

Acq: 16 Nov 2018 17:21

Instrument :

BNA_F

ClientSampleId :

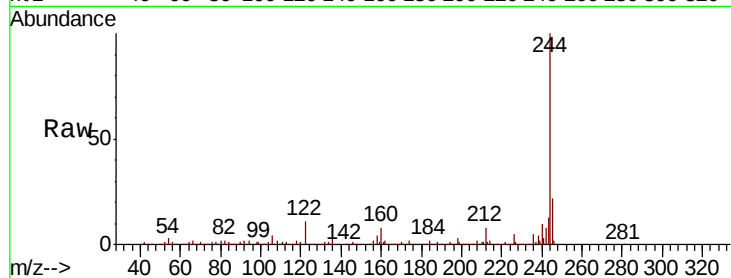
Tot Ion:244 Resp: 1062176

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

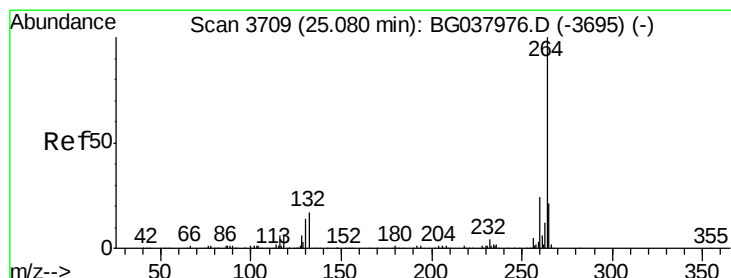
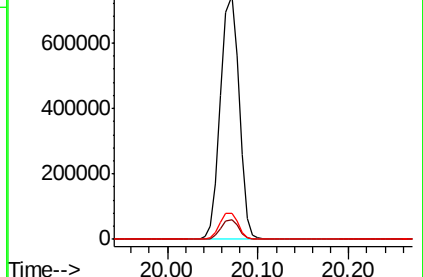
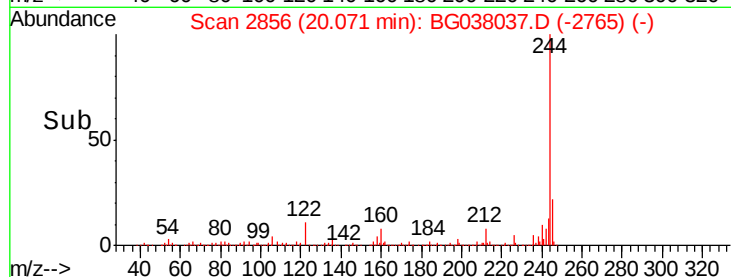
122 10.6 9.0 13.4



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# 3707

Delta R.T. -0.01 min

Lab File: BG038037.D

Acq: 16 Nov 2018 17:21

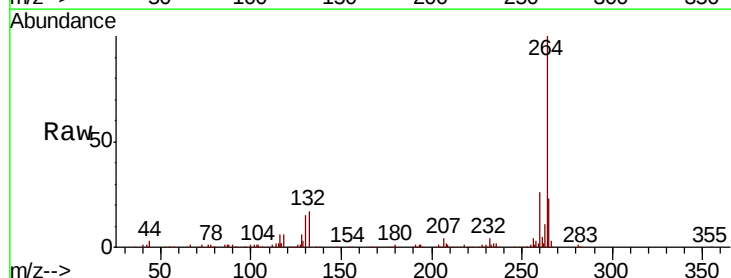
Tgt Ion:264 Resp: 272296

Ion Ratio Lower Upper

264 100

260 25.5 18.2 27.4

265 22.5 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

