

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103118\
 Data File : BG037715.D
 Acq On : 1 Nov 2018 12:36
 Operator : JU/SJ
 Sample : J5731-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 14:20:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	52477	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	226318	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	153262	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	368320	20.00	ng	0.00
76) Chrysene-d12	21.76	240	333990	20.00	ng	-0.01
87) Perylene-d12	25.10	264	294595	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	143214	45.63	ng	0.00
7) Phenol-d6	7.24	99	134427	28.32	ng	0.00
23) Nitrobenzene-d5	9.28	82	408137	101.02	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	154069	92.17	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	973712	95.80	ng	0.00
79) Terphenyl-d14	20.08	244	1378055	88.16	ng	0.00

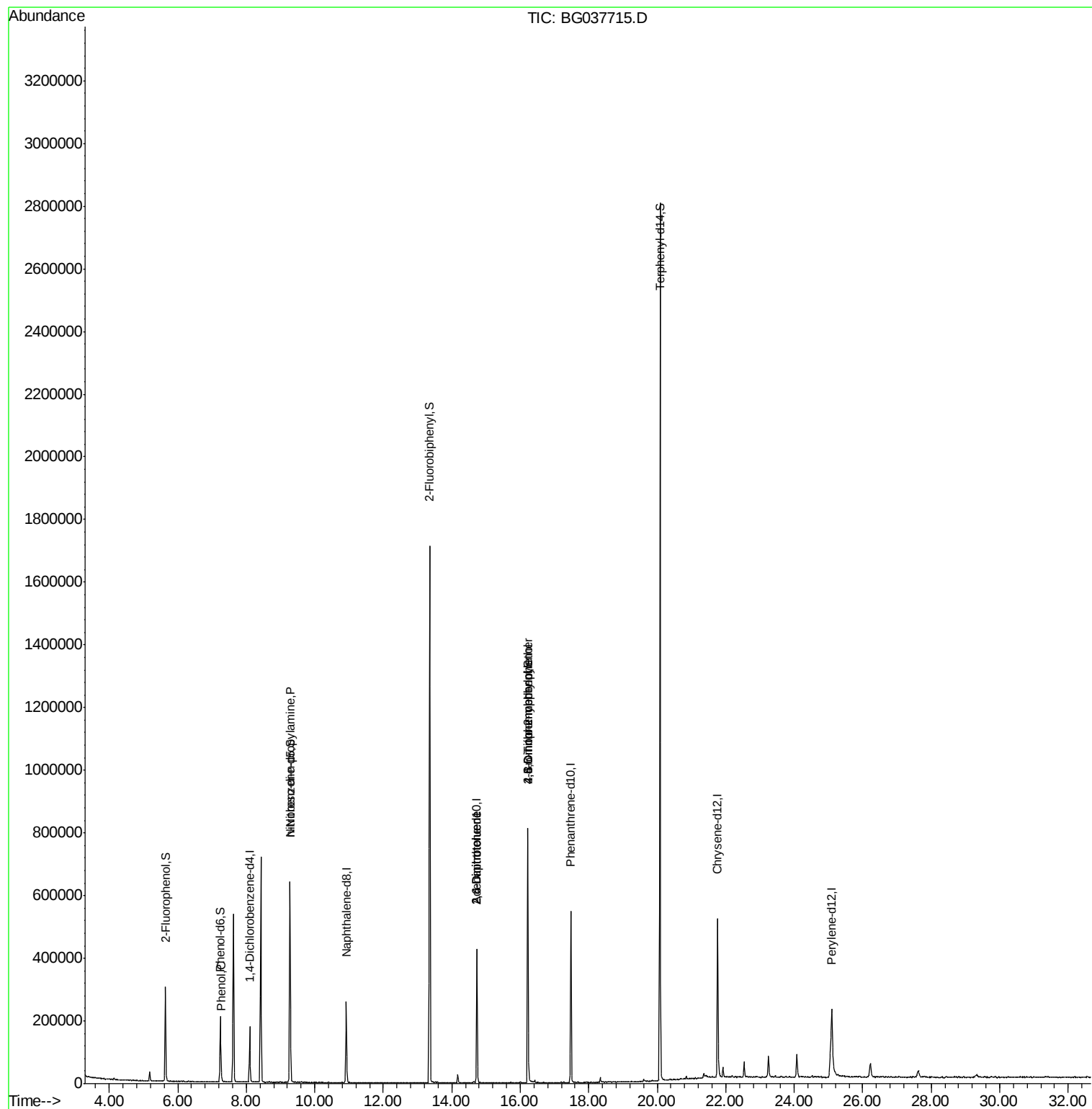
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.27	94	25044	5.001	ng	97
19) n-Nitroso-di-n-propylamine	9.28	70	51380	15.720	ng	# 74
51) 2,6-Dinitrotoluene	14.73	165	20366	7.765	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	20366	5.915	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	250	8.614	ng	75
67) 4-Bromophenyl-phenylether	16.22	248	10872	2.688	ng	# 1

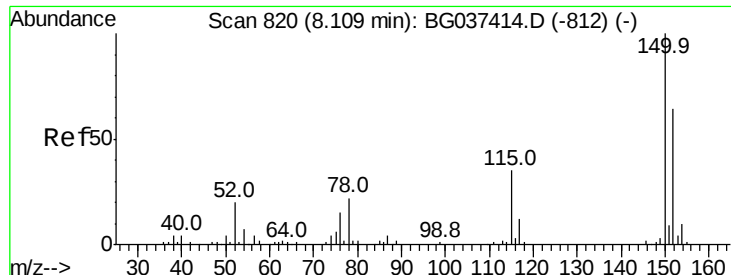
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103118\
Data File : BG037715.D
Acq On : 1 Nov 2018 12:36
Operator : JU/SJ
Sample : J5731-09
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Nov 01 14:20:28 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration



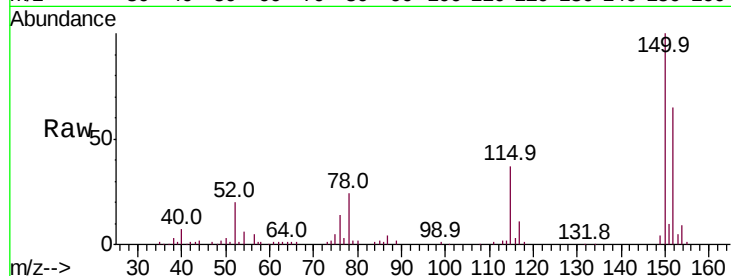


#1

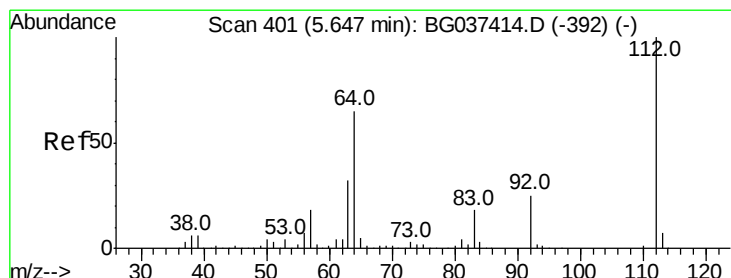
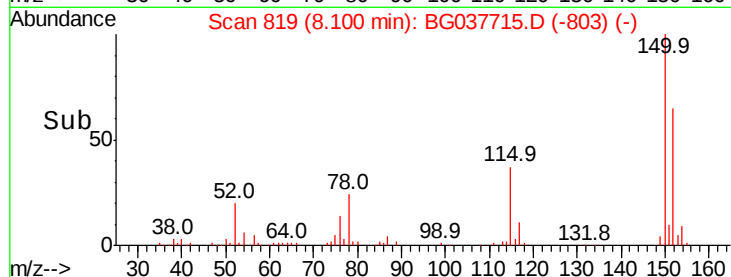
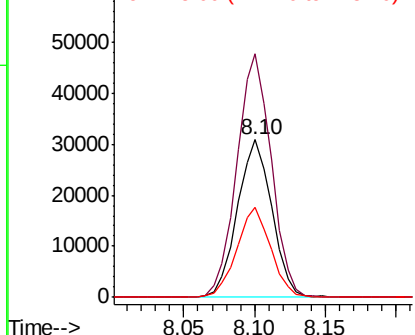
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037715.D
Acq: 1 Nov 2018 12:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52477
Ion Ratio Lower Upper
152 100
150 154.3 126.0 189.0
115 57.0 45.5 68.3



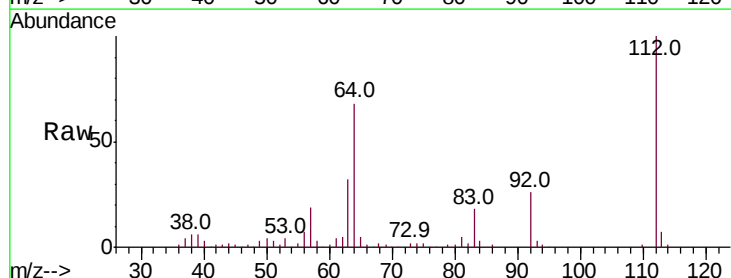
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



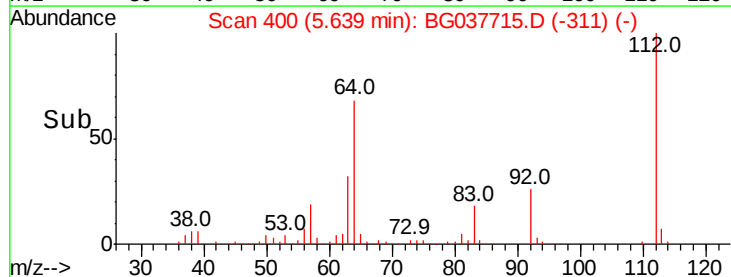
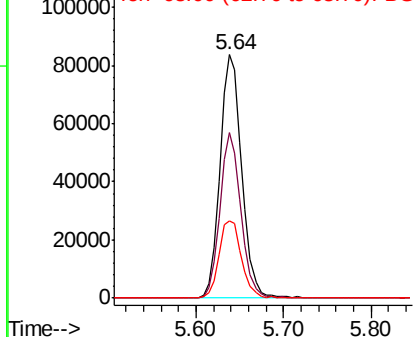
#5

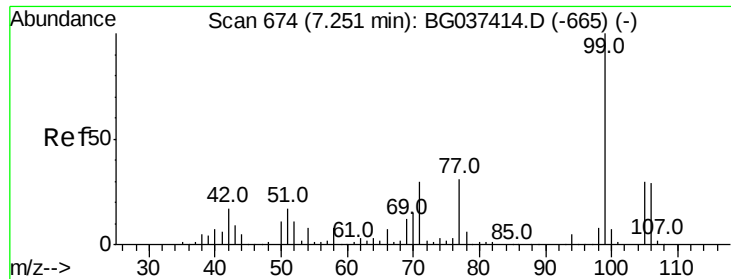
2-Fluorophenol
Concen: 45.626 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037715.D
Acq: 1 Nov 2018 12:36

Tgt Ion:112 Resp: 143214
Ion Ratio Lower Upper
112 100
64 68.1 53.1 79.7
63 31.9 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: 28.322 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

Instrument :

BNA_G

ClientSampled :

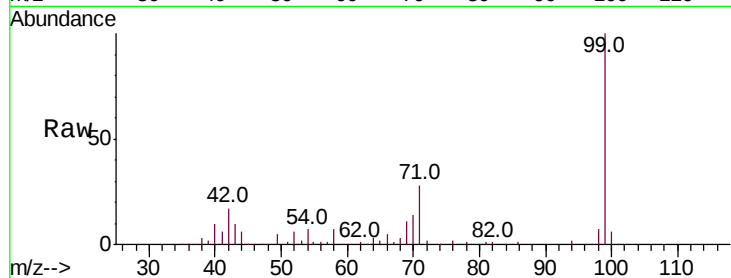
Tot Ion: 99 Resp: 134427

Ion Ratio Lower Upper

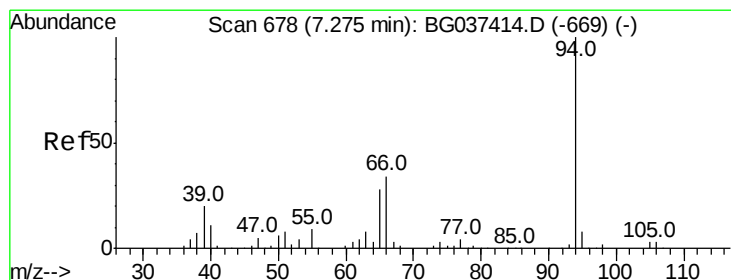
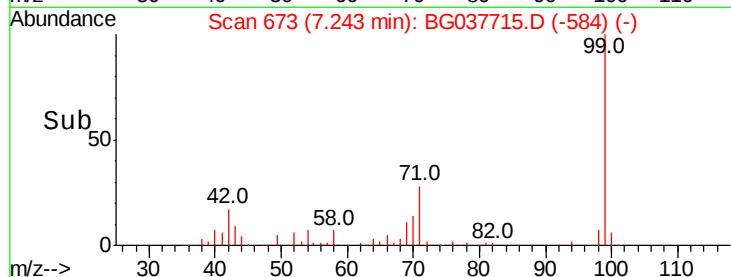
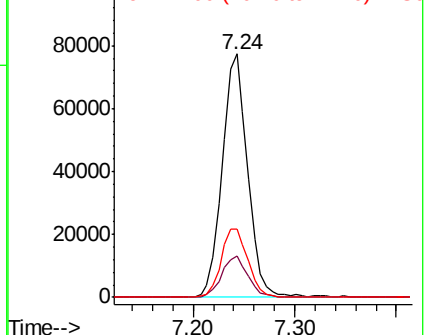
99 100

42 17.0 15.0 22.4

71 27.9 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: 5.001 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

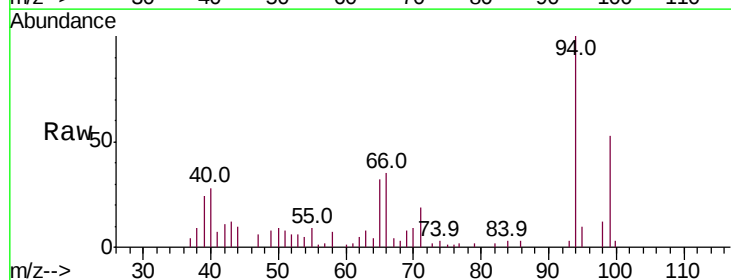
Tgt Ion: 94 Resp: 25044

Ion Ratio Lower Upper

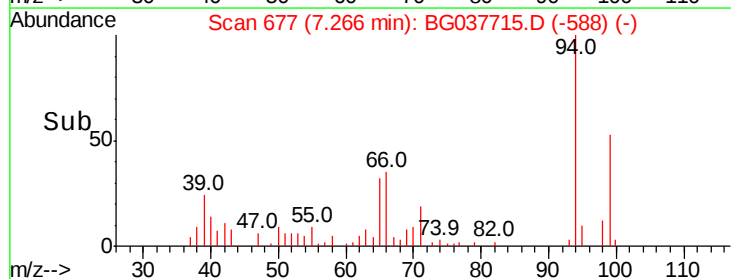
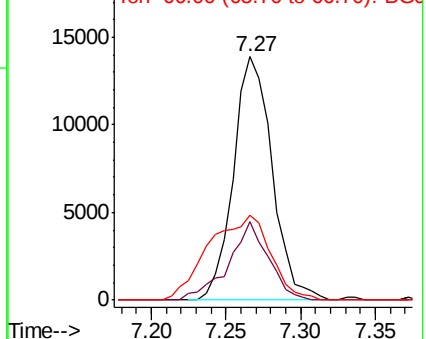
94 100

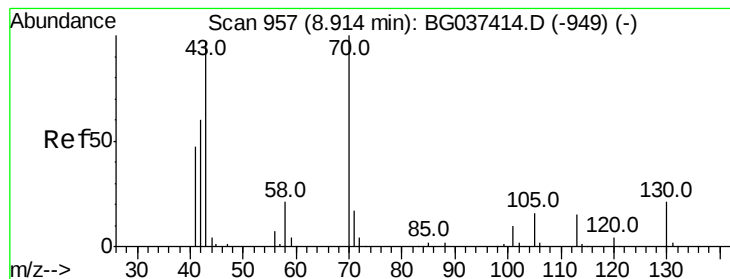
65 32.4 9.7 49.7

66 35.1 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: 15.720 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

Instrument :

BNA_G

ClientSampled :

Tot Ion: 70 Resp: 51380

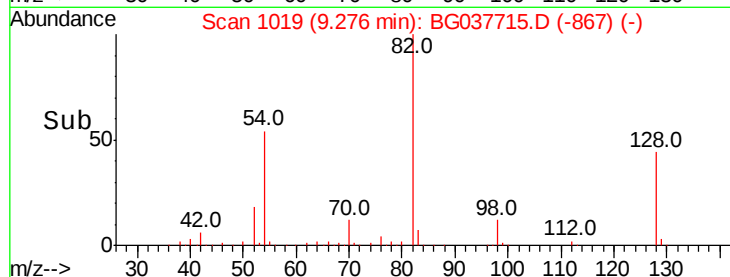
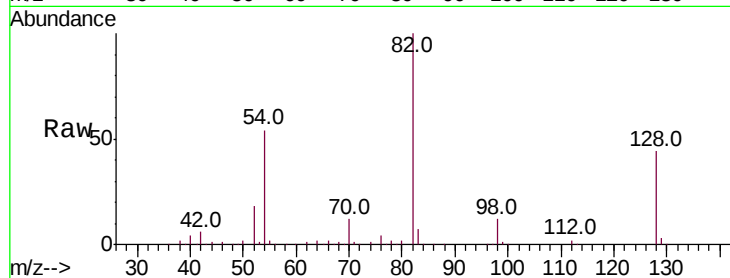
Ion Ratio Lower Upper

70 100

42 50.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.9 18.2 27.4#

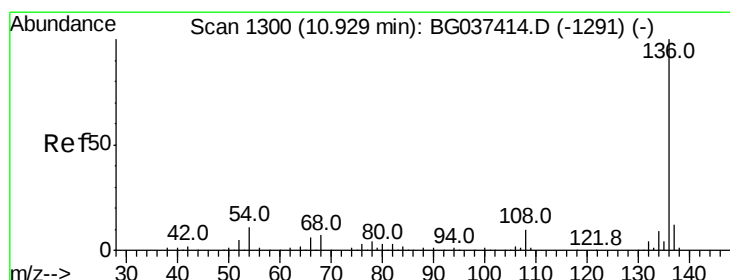
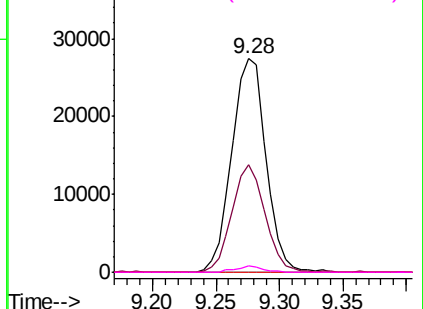


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

Tgt Ion: 136 Resp: 226318

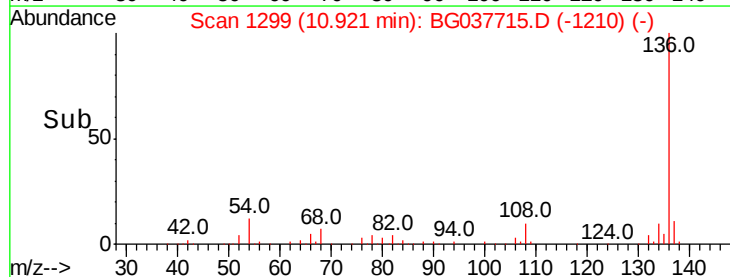
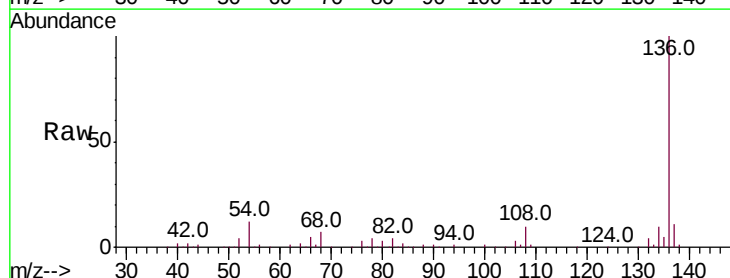
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 11.7 7.9 11.9

68 6.8 4.8 7.2

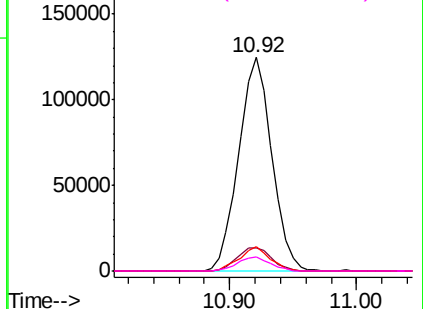


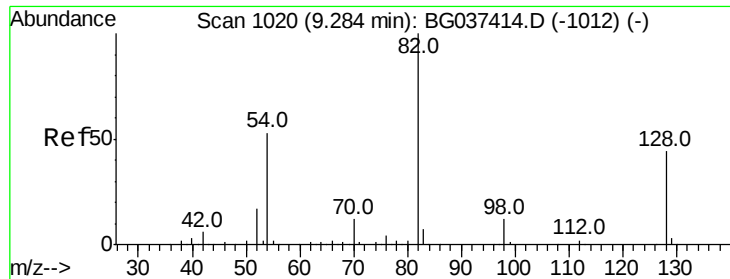
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

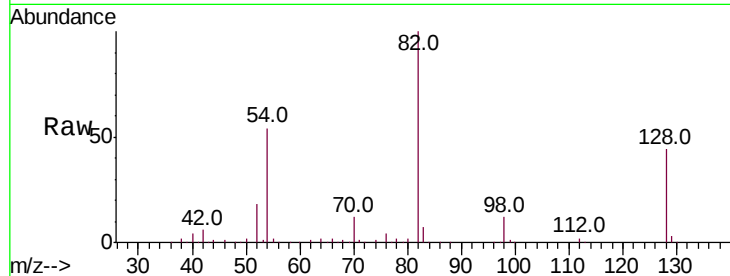




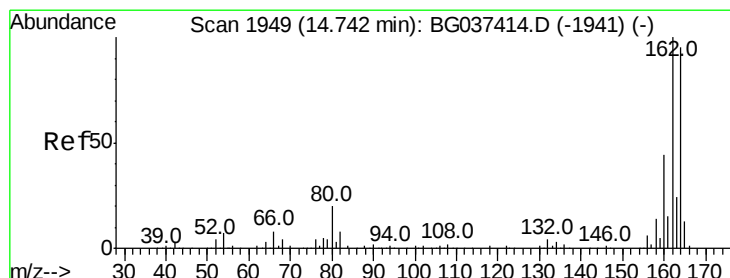
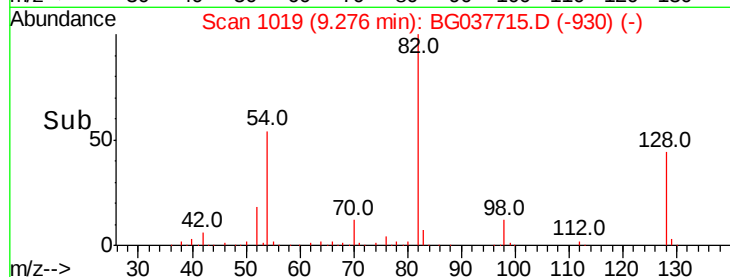
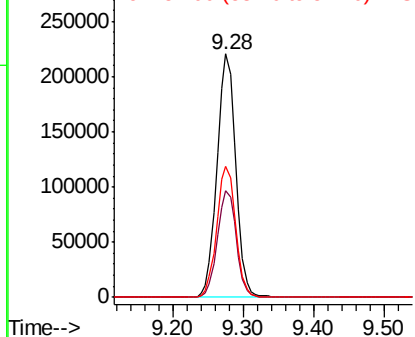
#23
 Nitrobenzene-d5
 Concen: 101.023 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037715.D
 Acq: 1 Nov 2018 12:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.6	51.8
54	53.9	45.3	67.9

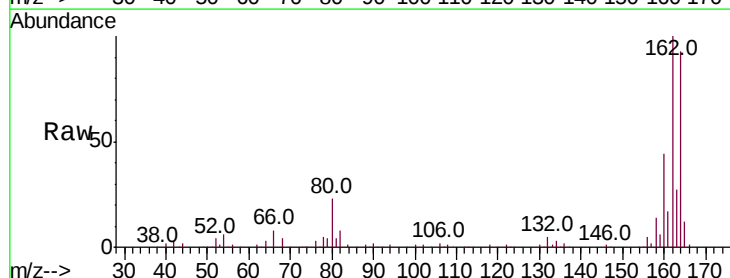


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

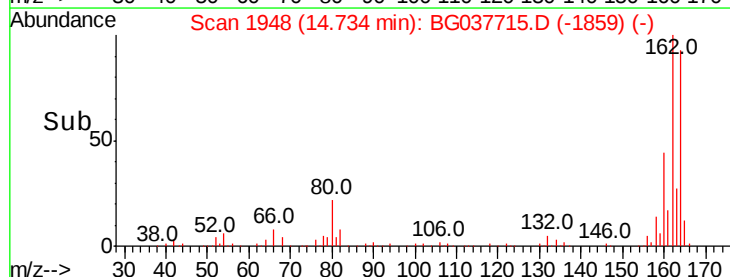
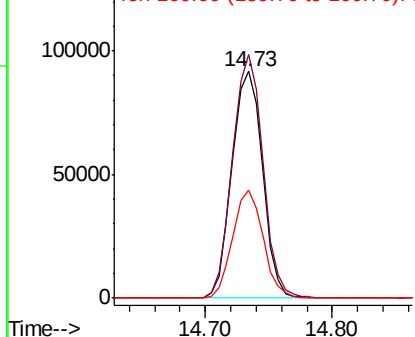


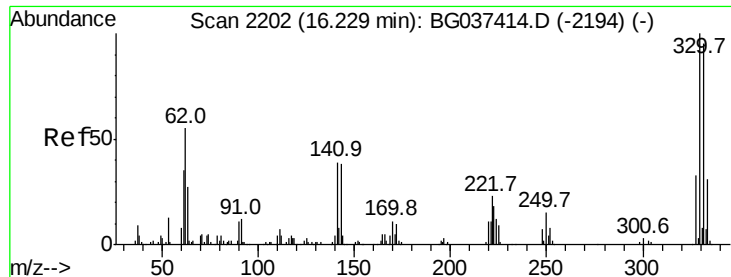
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037715.D
 Acq: 1 Nov 2018 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.3	81.3	121.9
160	47.4	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

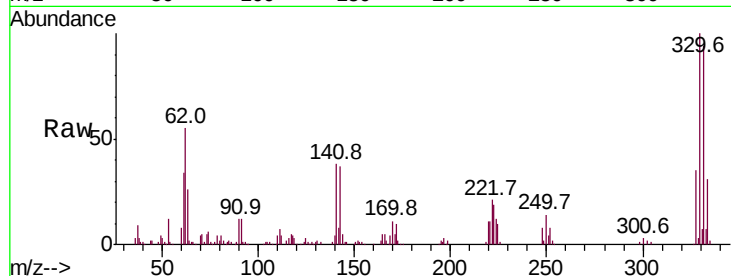




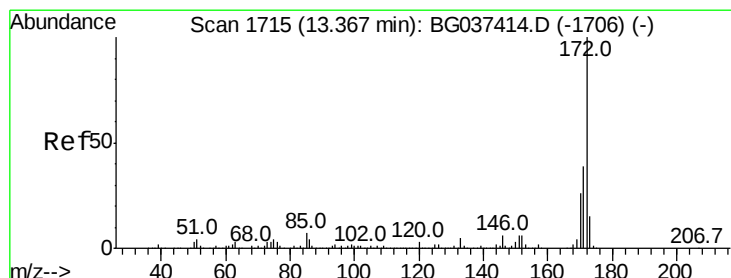
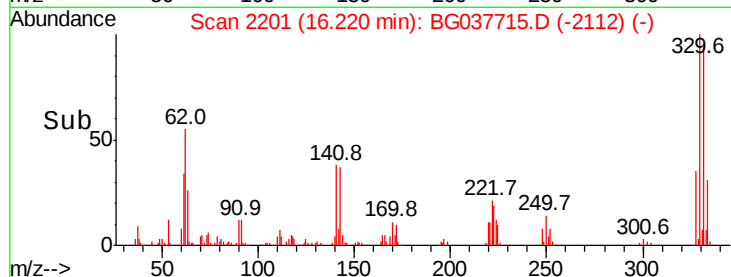
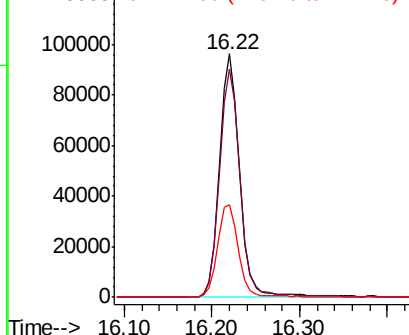
#42
 2,4,6-Tribromophenol
 Concen: 92.168 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037715.D
 Acq: 1 Nov 2018 12:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.4	117.6
141	40.0	32.2	48.2

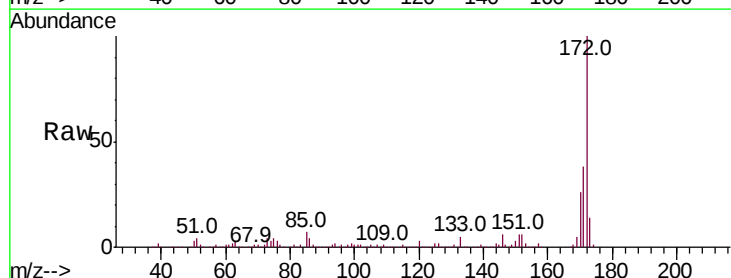


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

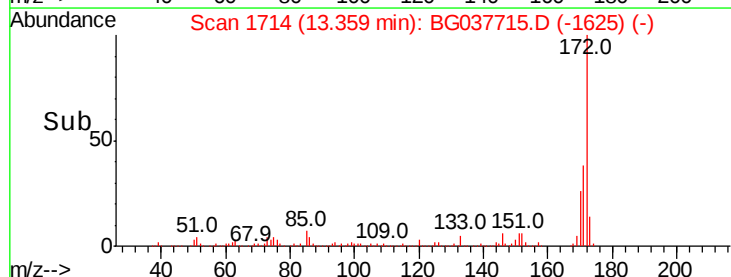
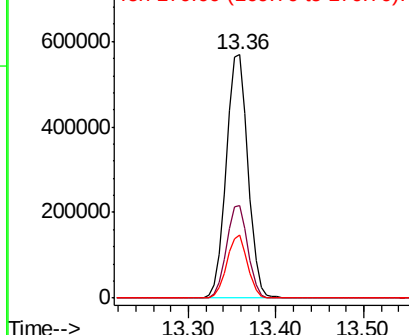


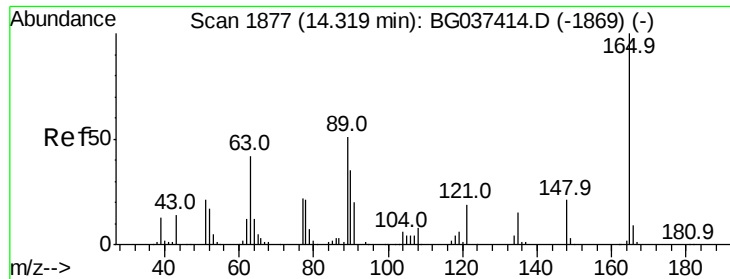
#45
 2-Fluorobiphenyl
 Concen: 95.803 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037715.D
 Acq: 1 Nov 2018 12:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.0	46.4
170	25.7	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: 7.765 ng

RT: 14.73 min Scan# 1948

Delta R.T. 0.41 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

Instrument :

BNA_G

ClientSampleId :

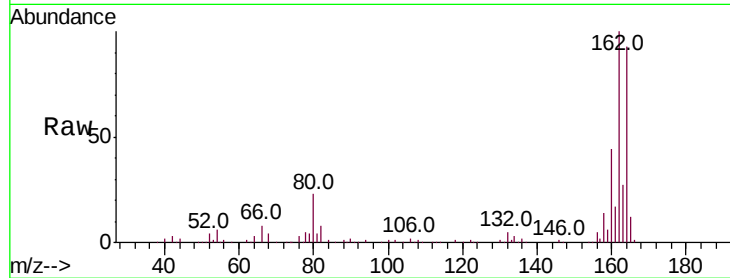
Tot Ion:165 Resp: 20366

Ion Ratio Lower Upper

165 100

63 1.4 43.4 65.2#

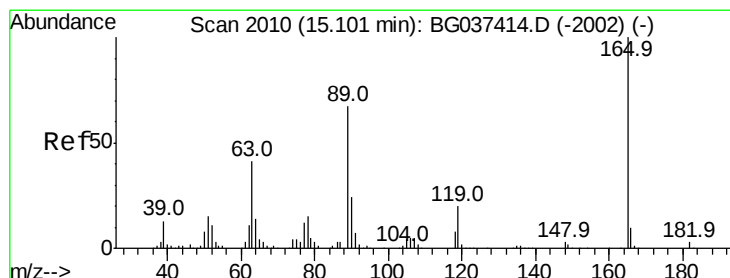
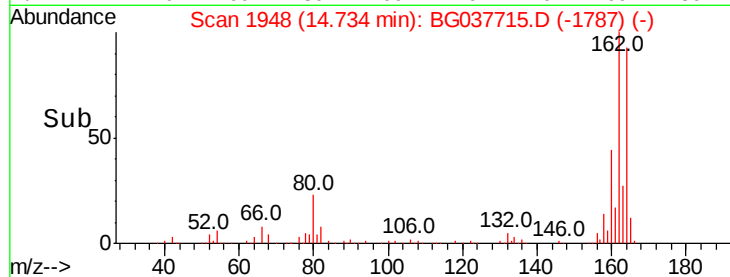
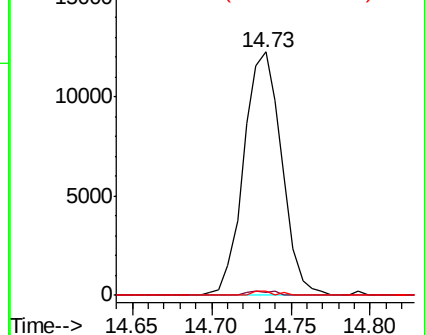
89 1.7 45.8 68.6#



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: 5.915 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.37 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

Tgt Ion:165 Resp: 20366

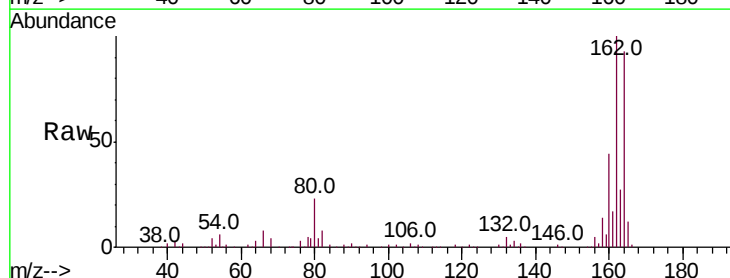
Ion Ratio Lower Upper

165 100

63 1.4 33.4 50.0#

89 1.7 57.2 85.8#

182 0.0 2.6 4.0#

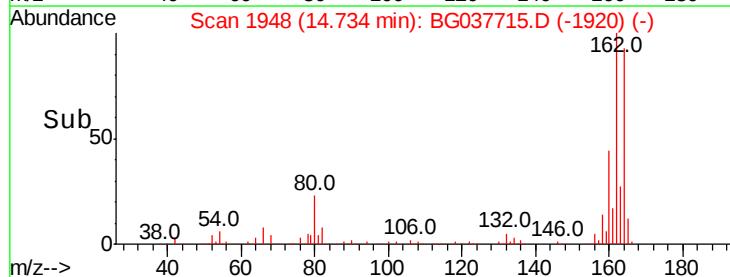
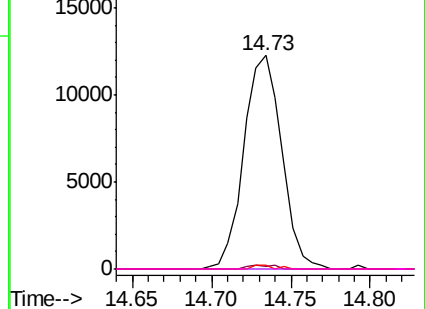


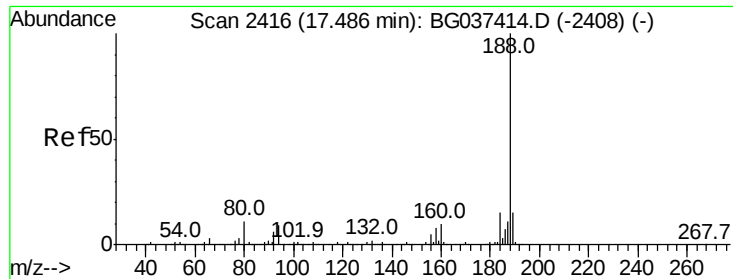
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

Instrument :

BNA_G

ClientSampleId :

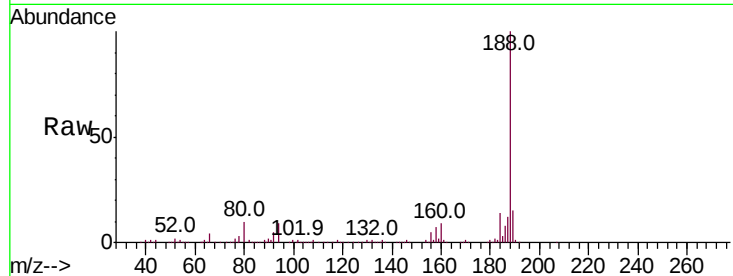
Tot Ion:188 Resp: 368320

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

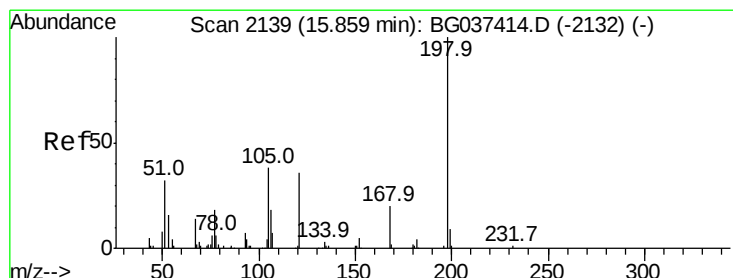
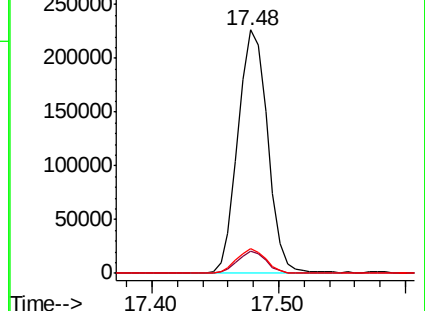
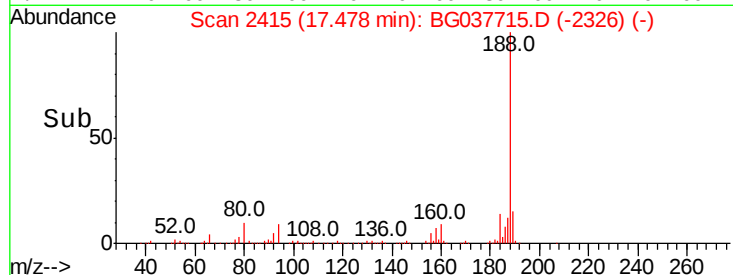
80 10.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.614 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

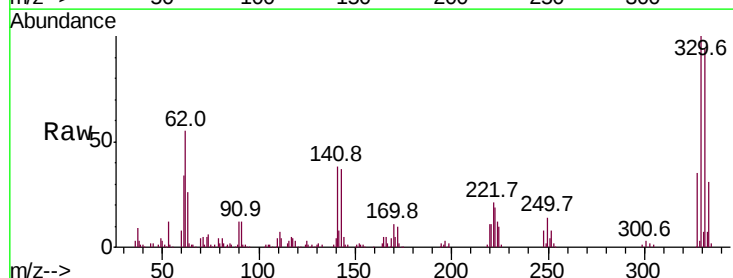
Tgt Ion:198 Resp: 250

Ion Ratio Lower Upper

198 100

51 25.9 22.7 62.7

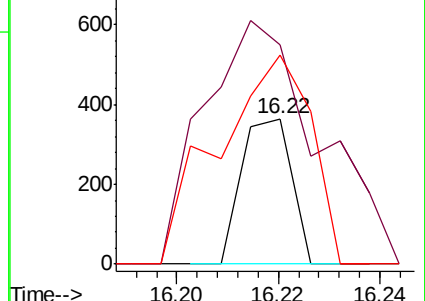
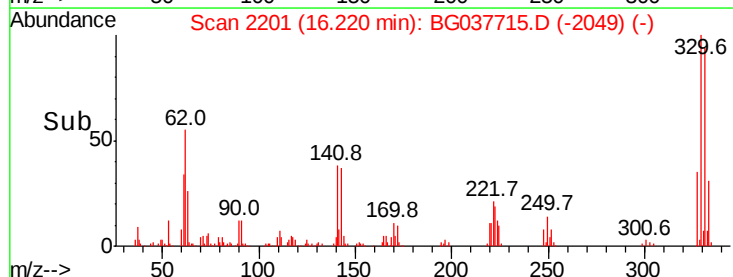
105 24.8 19.7 59.7

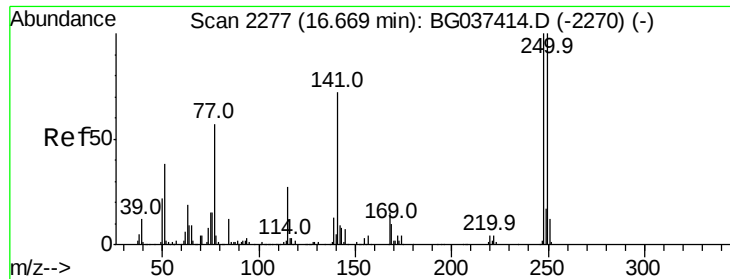


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

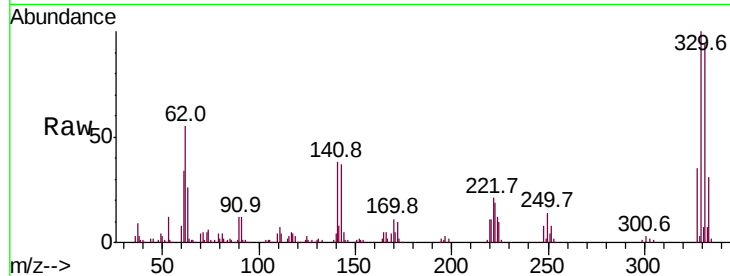




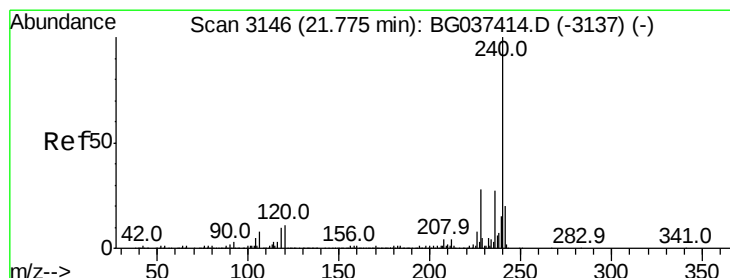
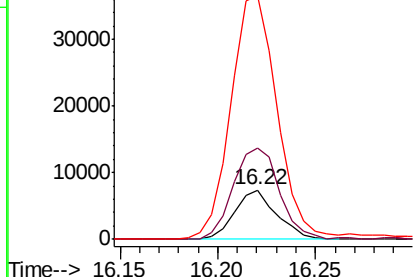
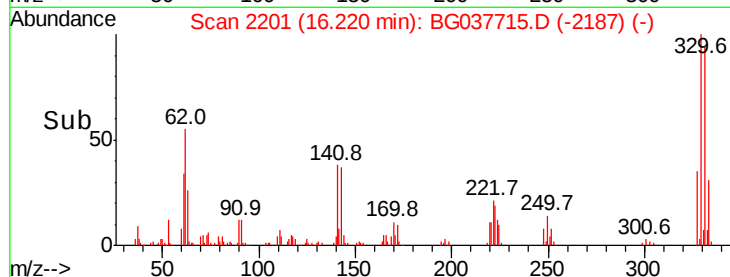
#67
 4-Bromophenyl-phenylether
 Concen: 2.688 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037715.D
 Acq: 1 Nov 2018 12:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 10872
 Ion Ratio Lower Upper
 248 100
 250 183.1 77.0 115.6#
 141 386.8 55.5 83.3#

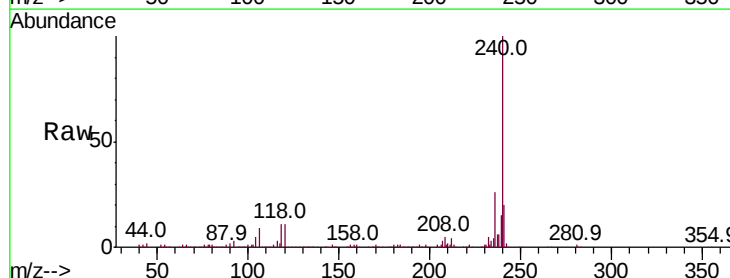


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

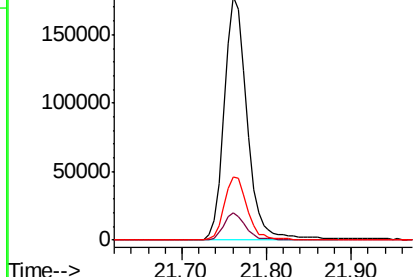
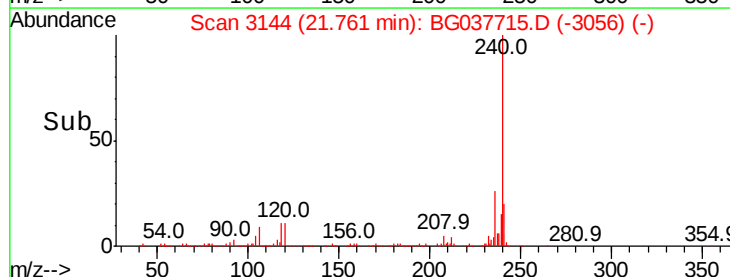


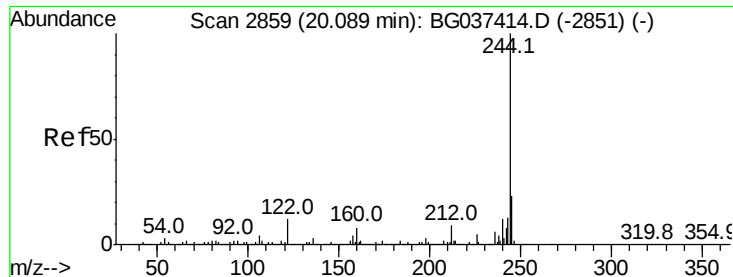
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037715.D
 Acq: 1 Nov 2018 12:36

Tgt Ion:240 Resp: 333990
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.1 12.1
 236 26.2 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: 88.164 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

Instrument :

BNA_G

ClientSampleId :

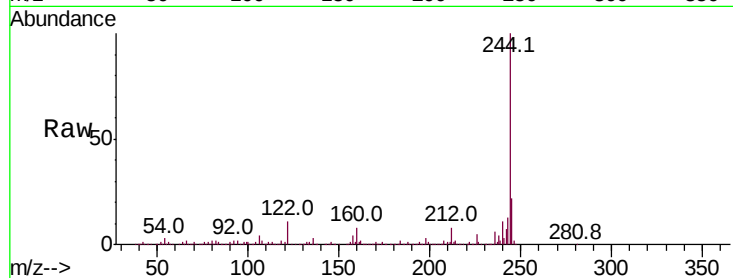
Tot Ion:244 Resp: 1378055

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

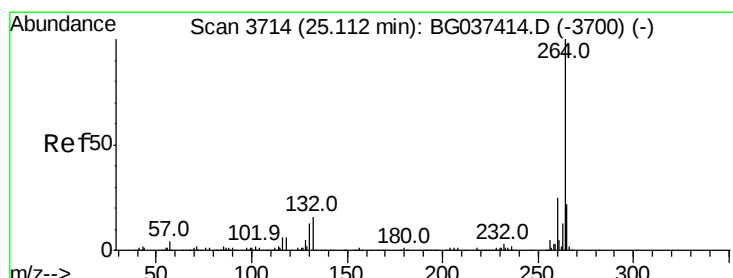
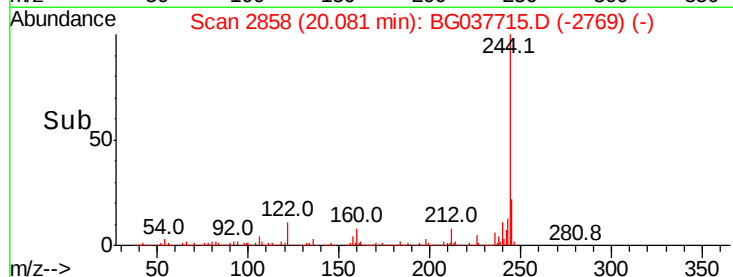
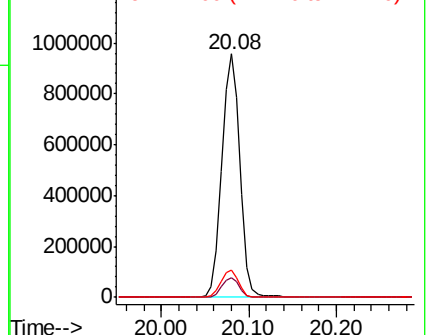
122 11.3 9.0 13.4



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: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037715.D

Acq: 1 Nov 2018 12:36

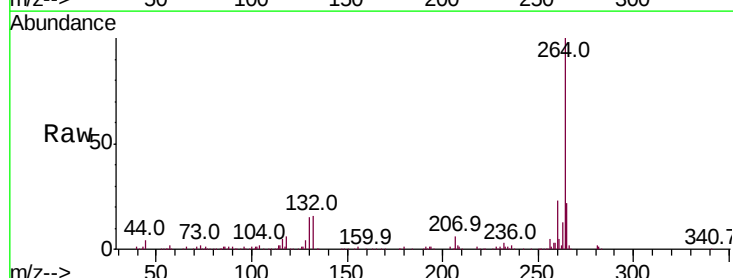
Tgt Ion:264 Resp: 294595

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 22.0 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

