

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\
 Data File : BG037675.D
 Acq On : 31 Oct 2018 5:43
 Operator : JU/SJ
 Sample : J5722-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 09:25:25 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

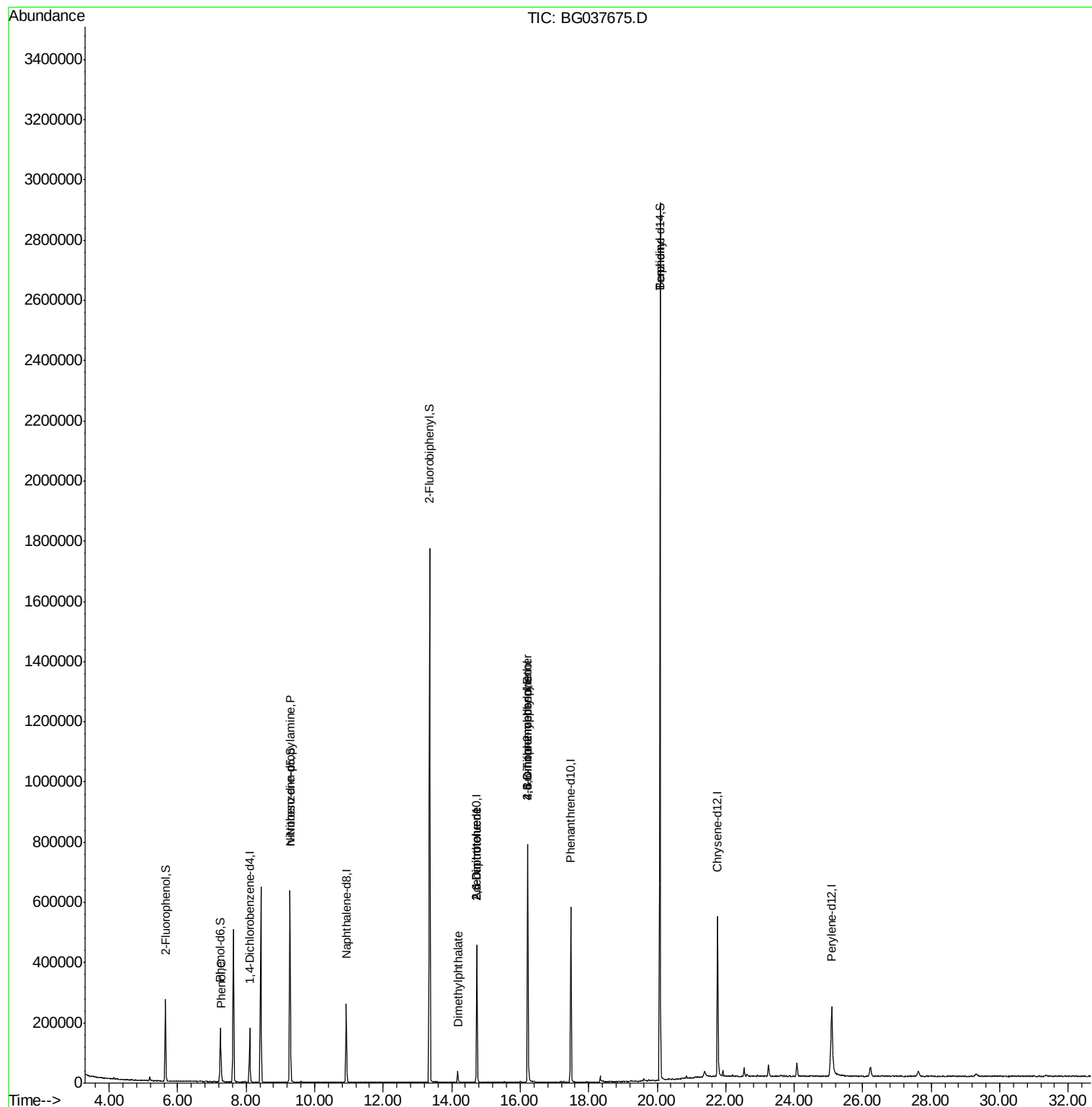
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	53268	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	237720	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	165972	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	374724	20.00	ng	0.00
76) Chrysene-d12	21.76	240	335391	20.00	ng	-0.01
87) Perylene-d12	25.10	264	311016	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	127968	40.16	ng	0.00
7) Phenol-d6	7.24	99	118963	24.69	ng	-0.01
23) Nitrobenzene-d5	9.28	82	401078	94.51	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	149163	82.40	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	959389	87.17	ng	-0.01
79) Terphenyl-d14	20.08	244	1407631	89.68	ng	0.00
Target Compounds						
10) Phenol	7.27	94	40646	7.996	ng	98
19) n-Nitroso-di-n-propylamine	9.28	70	50564	15.241	ng	# 71
50) Dimethylphthalate	14.18	163	28495	2.219	ng	# 94
51) 2,6-Dinitrotoluene	14.74	165	21195	7.462	ng	# 26
57) 2,4-Dinitrotoluene	14.74	165	21195	5.685	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.22	198	505	8.719	ng	72
67) 4-Bromophenyl-phenylether	16.22	248	10750	2.612	ng	# 1
77) Benzidine	20.08	184	23067	2.023	ng	# 93

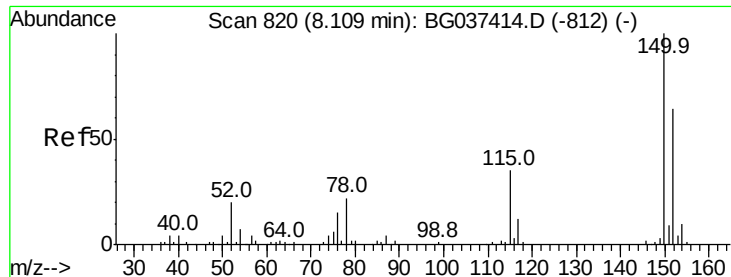
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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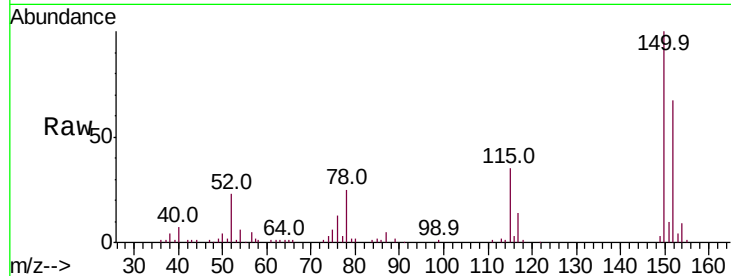


#1

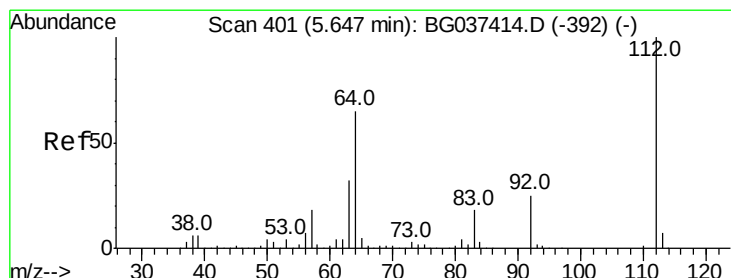
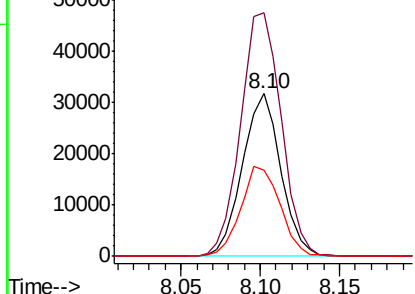
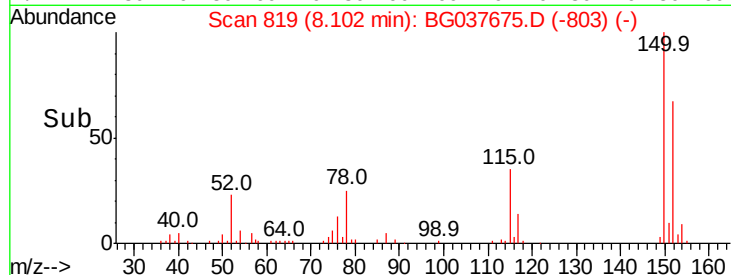
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037675.D
Acq: 31 Oct 2018 5:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53268
Ion Ratio Lower Upper
152 100
150 149.9 126.0 189.0
115 52.8 45.5 68.3



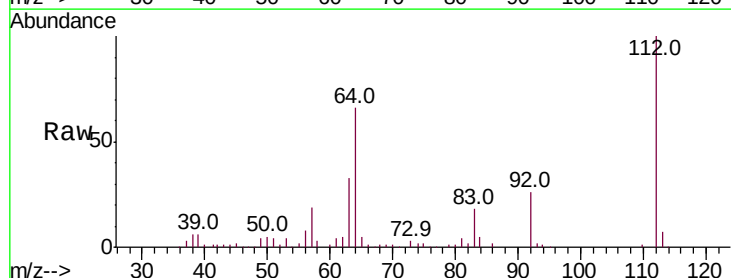
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



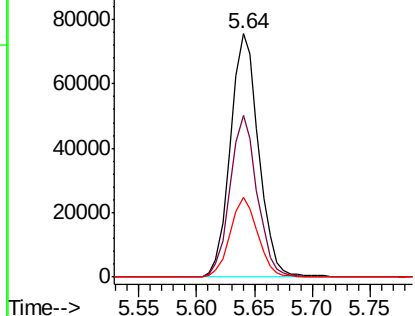
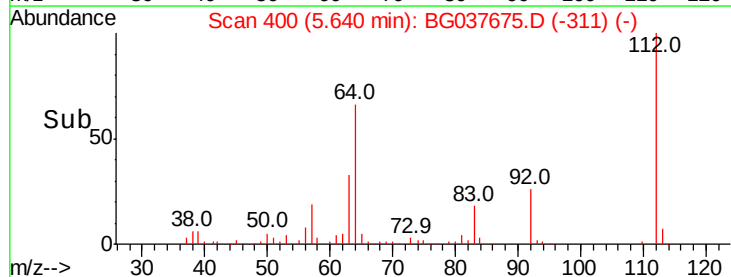
#5

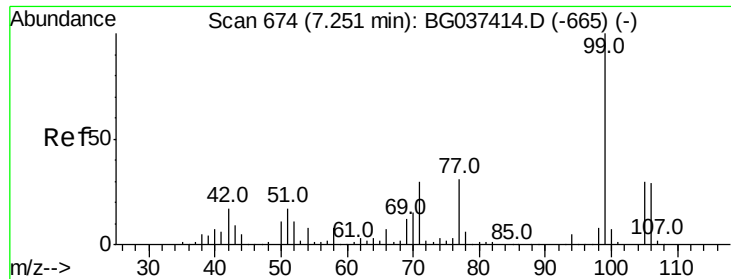
2-Fluorophenol
Concen: 40.164 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037675.D
Acq: 31 Oct 2018 5:43

Tgt Ion:112 Resp: 127968
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.0 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: 24.692 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037675.D

Acq: 31 Oct 2018 5:43

Instrument :

BNA_G

ClientSampleId :

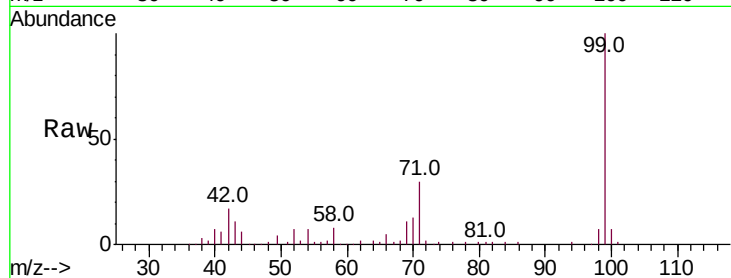
Tot Ion: 99 Resp: 118963

Ion Ratio Lower Upper

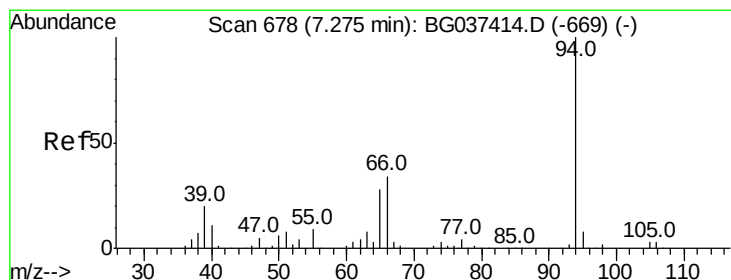
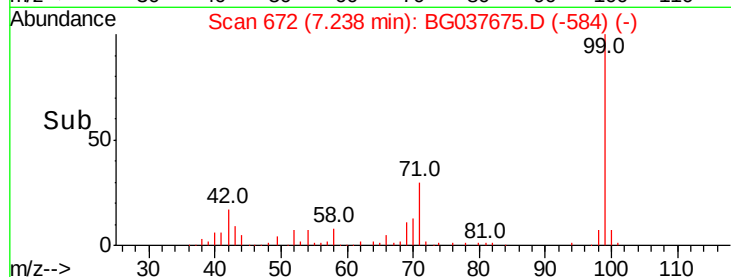
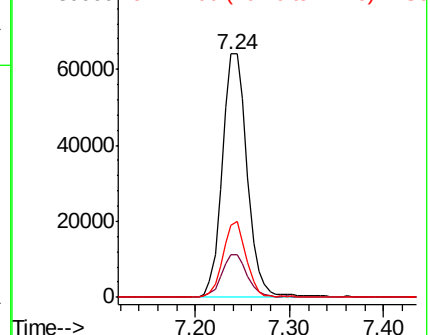
99 100

42 17.4 15.0 22.4

71 29.9 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: 7.996 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037675.D

Acq: 31 Oct 2018 5:43

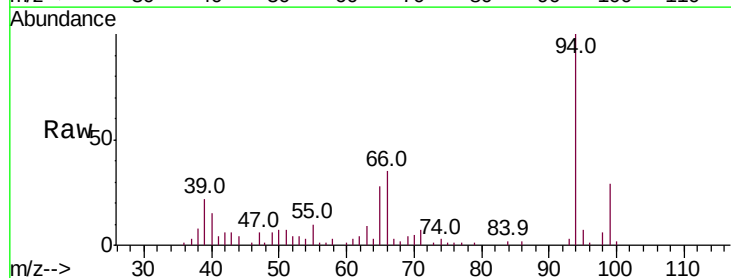
Tgt Ion: 94 Resp: 40646

Ion Ratio Lower Upper

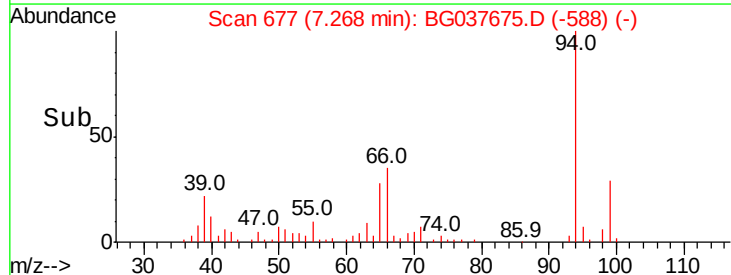
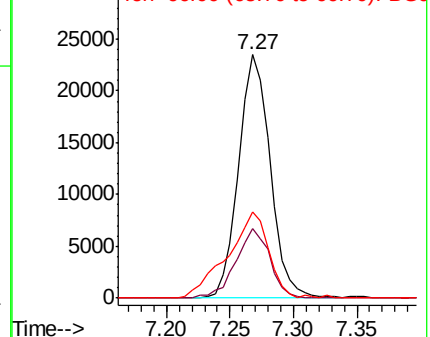
94 100

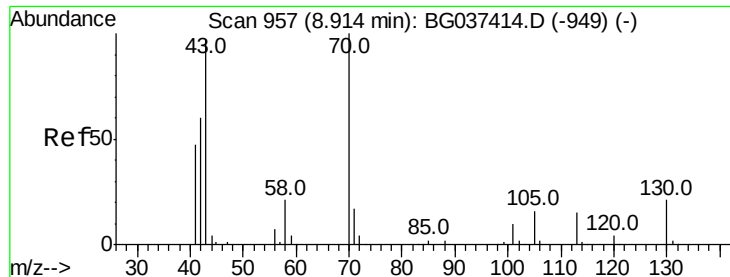
65 28.4 9.7 49.7

66 35.4 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

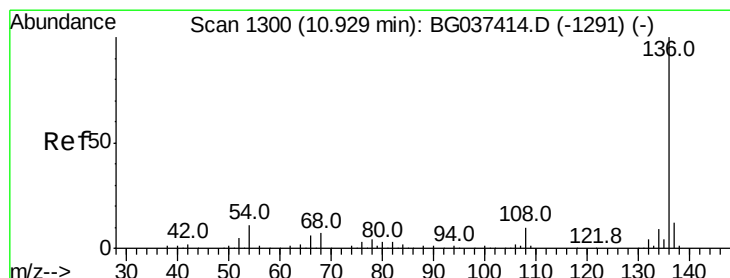
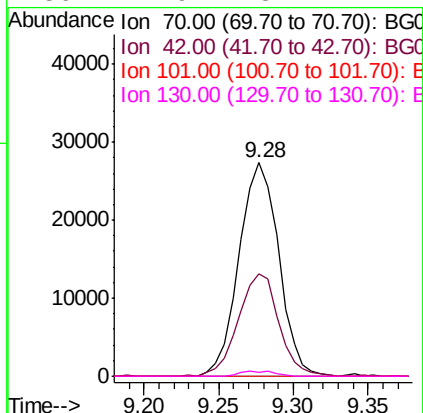
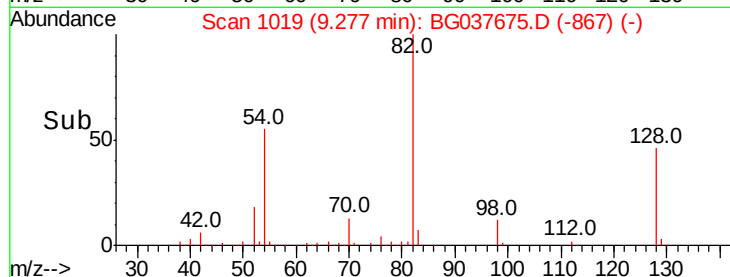
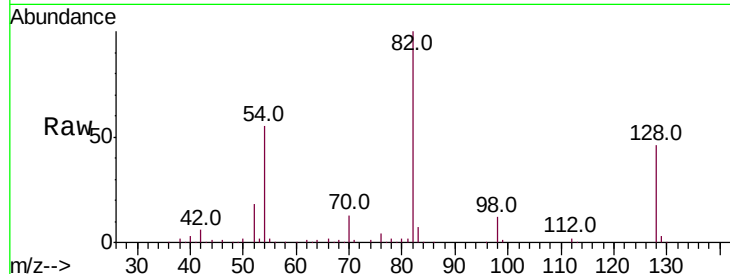




#19
n-Nitroso-di-n-propylamine
Concen: 15.241 ng
RT: 9.28 min Scan# 1019
Delta R.T. 0.36 min
Lab File: BG037675.D
Acq: 31 Oct 2018 5:43

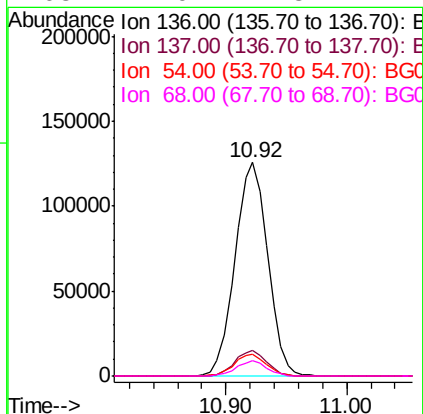
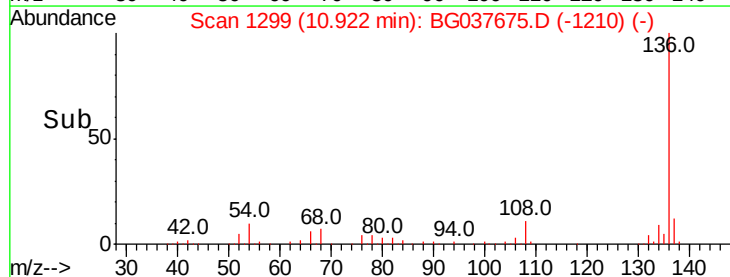
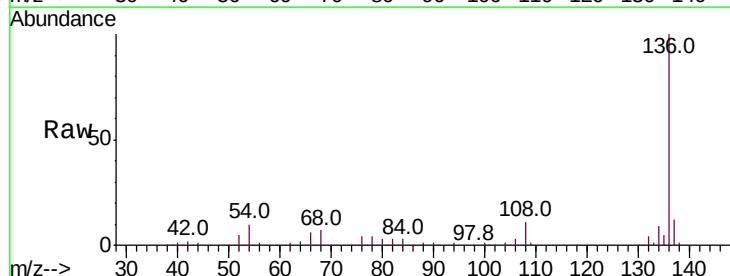
Instrument :
BNA_G
ClientSampleId :

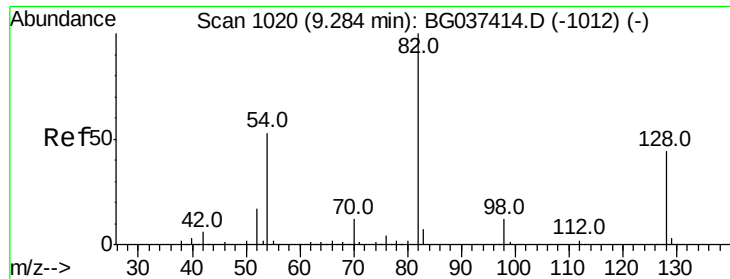
Tot Ion: 70 Resp: 50564
Ion Ratio Lower Upper
70 100
42 47.8 53.9 80.9#
101 0.0 8.2 12.2#
130 1.9 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037675.D
Acq: 31 Oct 2018 5:43

Tgt Ion: 136 Resp: 237720
Ion Ratio Lower Upper
136 100
137 11.9 9.6 14.4
54 9.9 7.9 11.9
68 7.0 4.8 7.2

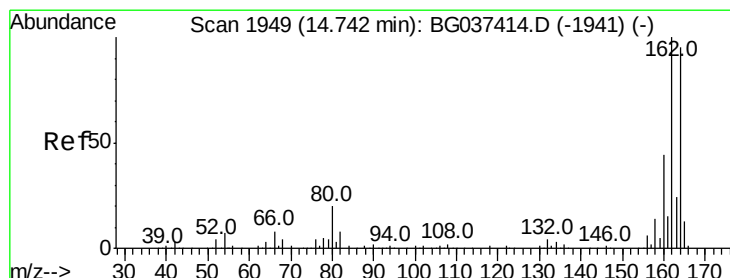
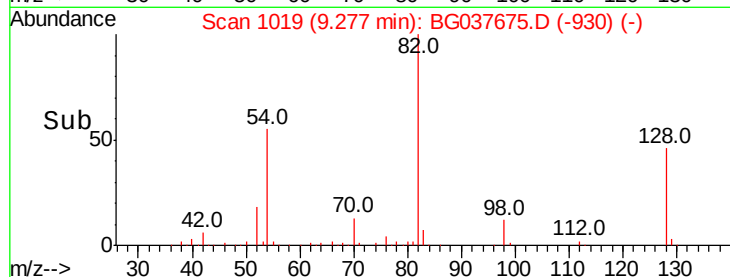
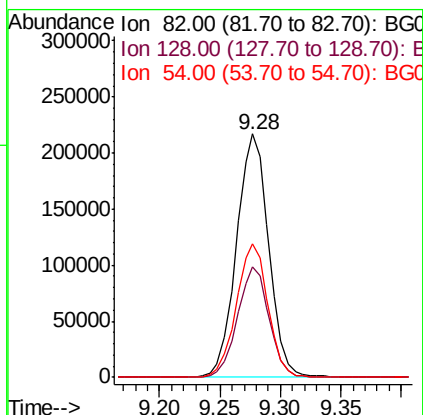
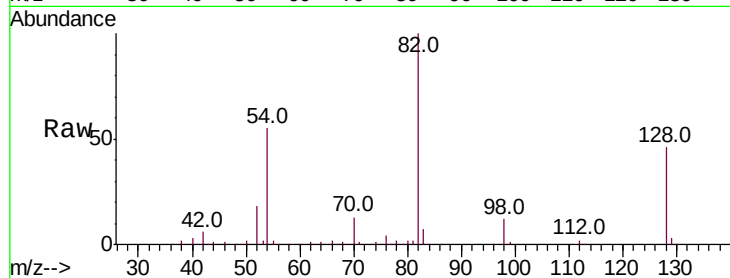




#23
Nitrobenzene-d5
Concen: 94.514 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037675.D
Acq: 31 Oct 2018 5:43

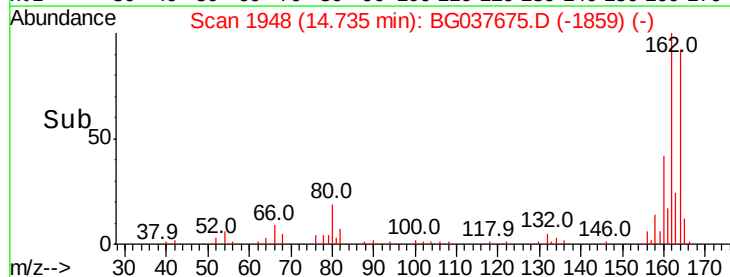
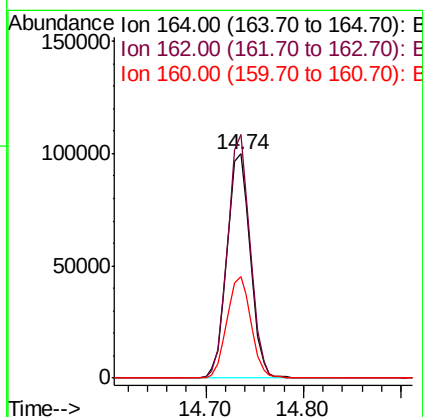
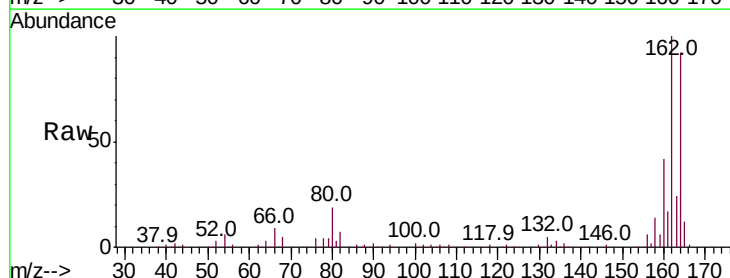
Instrument :
BNA_G
ClientSampled :

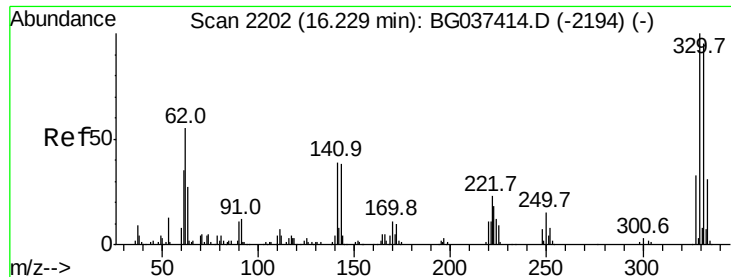
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.6	51.8
54	54.7	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037675.D
Acq: 31 Oct 2018 5:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.6	81.3	121.9
160	45.4	36.3	54.5

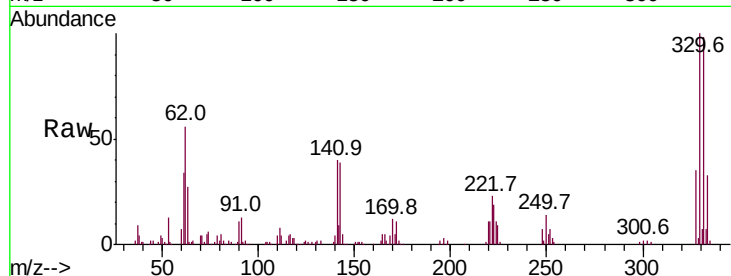




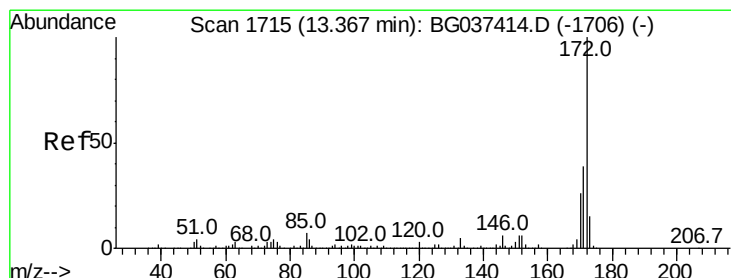
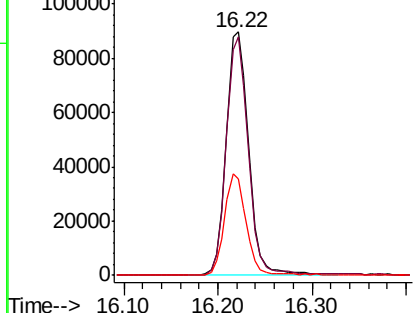
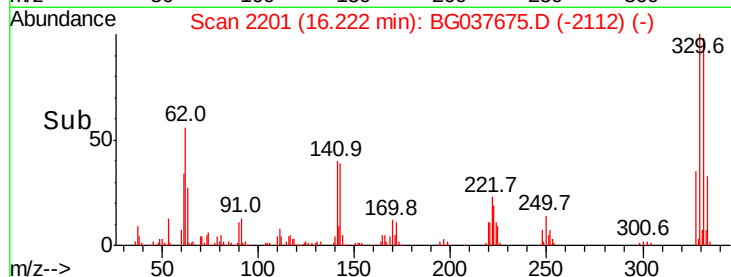
#42
 2,4,6-Tribromophenol
 Concen: 82.400 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037675.D
 Acq: 31 Oct 2018 5:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.4	117.6
141	41.1	32.2	48.2

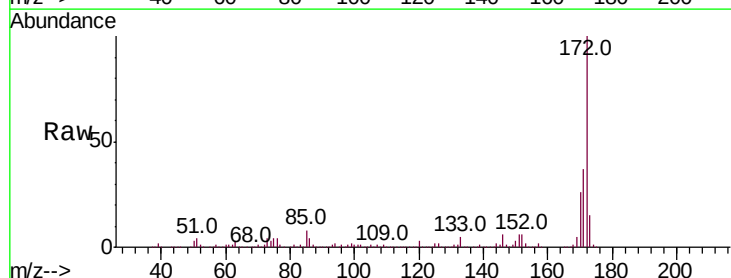


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

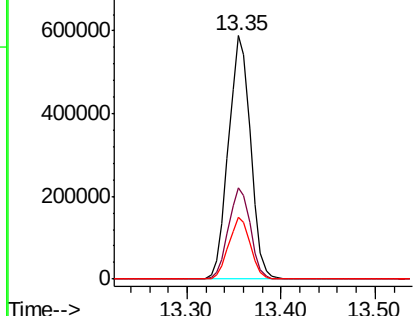
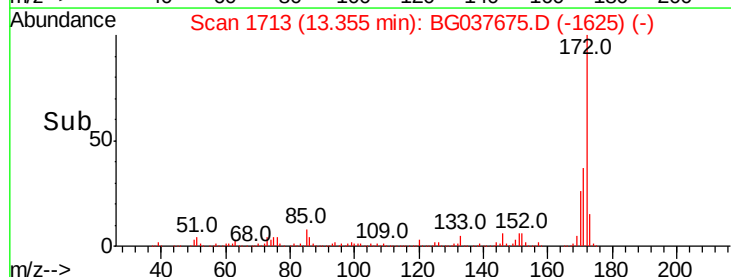


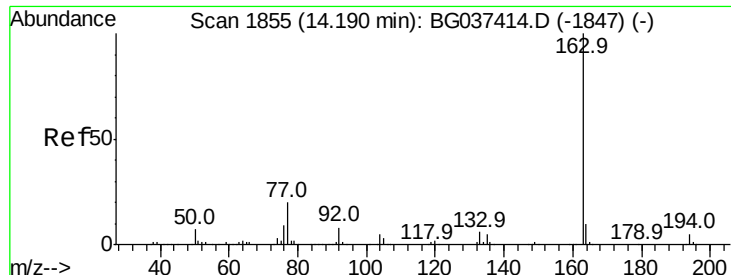
#45
 2-Fluorobiphenyl
 Concen: 87.166 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037675.D
 Acq: 31 Oct 2018 5:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.0	46.4
170	25.6	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





#50

Dimethylphthalate

Concen: 2.219 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG037675.D

Acq: 31 Oct 2018 5:43

Instrument :

BNA_G

ClientSampled :

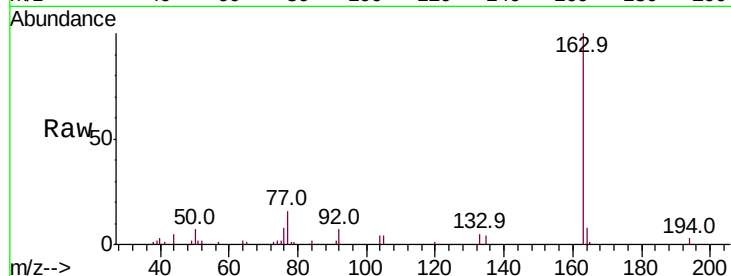
Tot Ion:163 Resp: 28495

Ion Ratio Lower Upper

163 100

194 3.4 3.5 5.3#

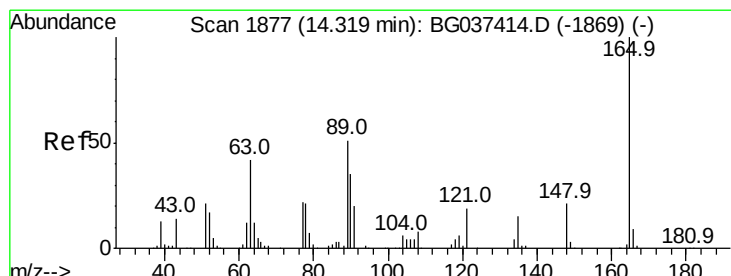
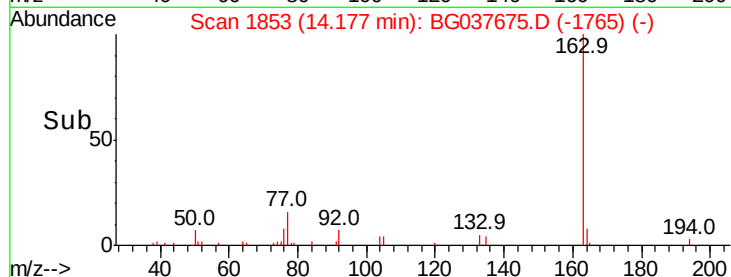
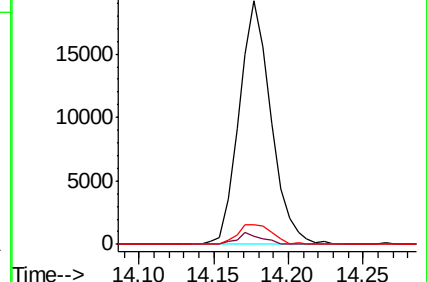
164 7.8 8.5 12.7#



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



#51

2,6-Dinitrotoluene

Concen: 7.462 ng

RT: 14.74 min Scan# 1948

Delta R.T. 0.42 min

Lab File: BG037675.D

Acq: 31 Oct 2018 5:43

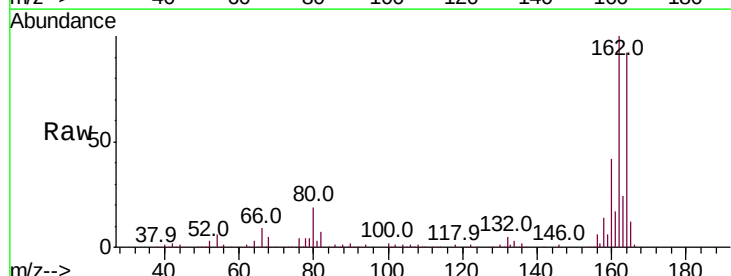
Tgt Ion:165 Resp: 21195

Ion Ratio Lower Upper

165 100

63 2.1 43.4 65.2#

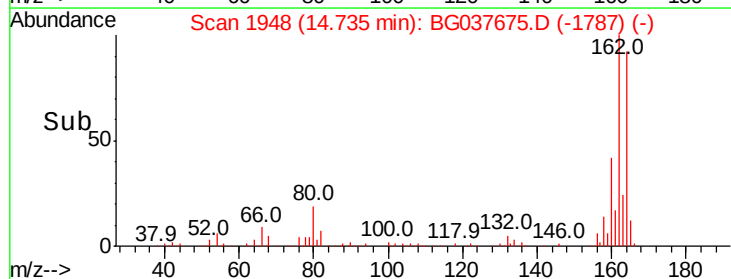
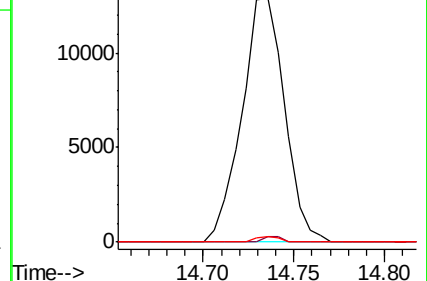
89 2.1 45.8 68.6#

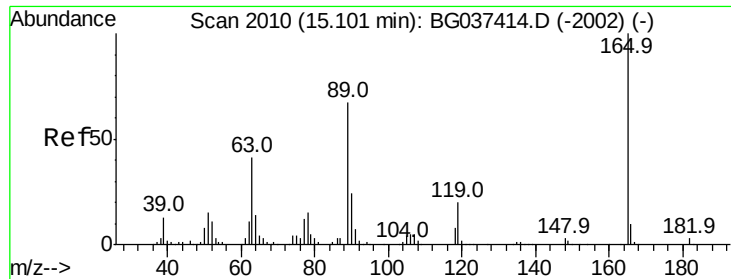


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

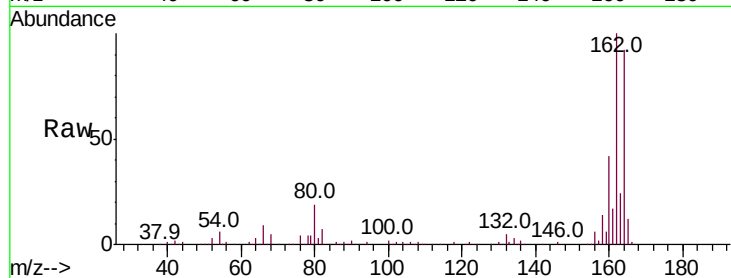




#57
 2,4-Dinitrotoluene
 Concen: 5.685 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037675.D
 Acq: 31 Oct 2018 5:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	33.4	50.0#
89	2.1	57.2	85.8#
182	0.0	2.6	4.0#

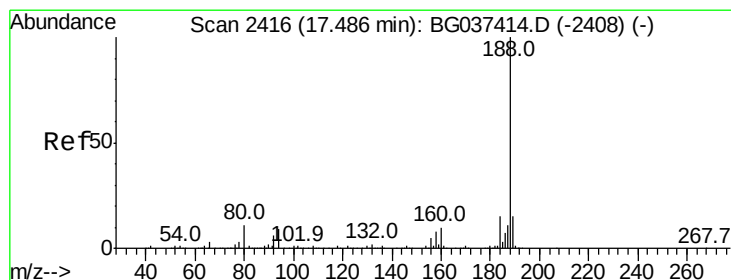
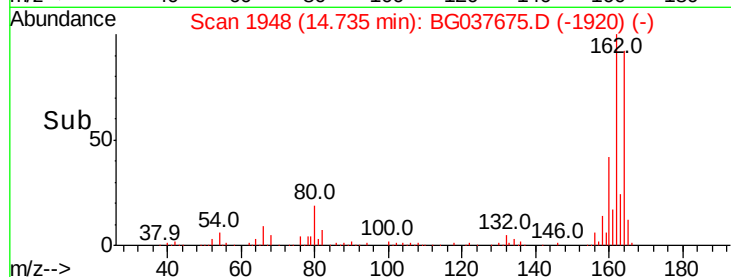
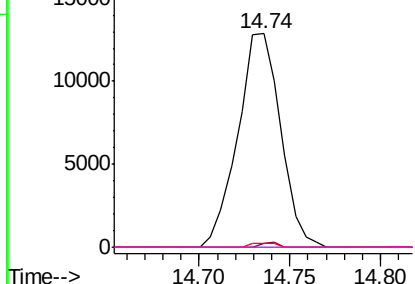


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

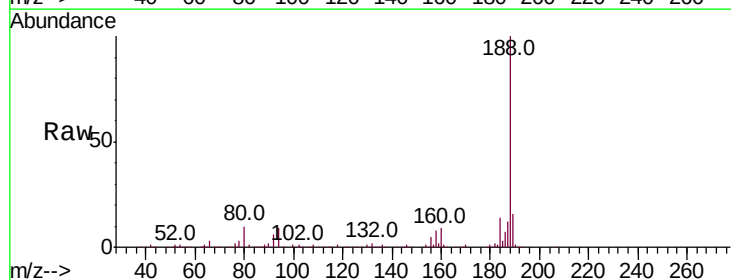
Ion 89.00 (88.70 to 89.70): BG

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: BG037675.D
 Acq: 31 Oct 2018 5:43

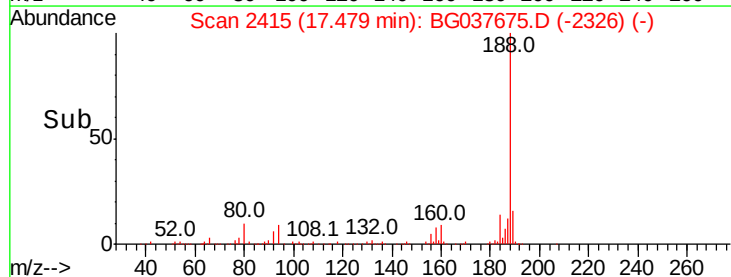
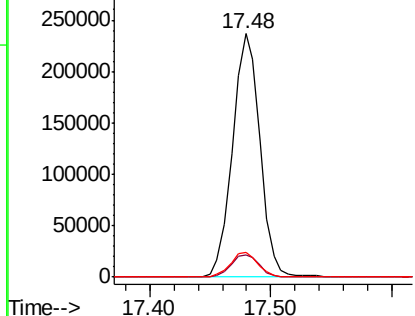
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	10.0	7.7	11.5

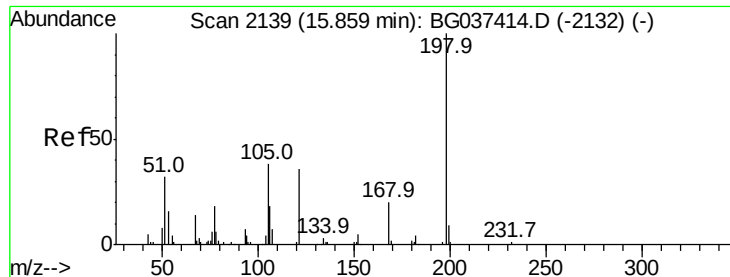


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

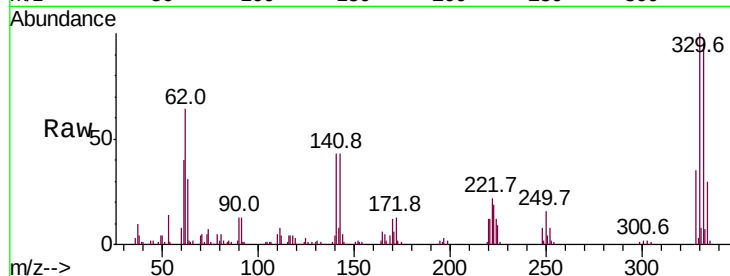




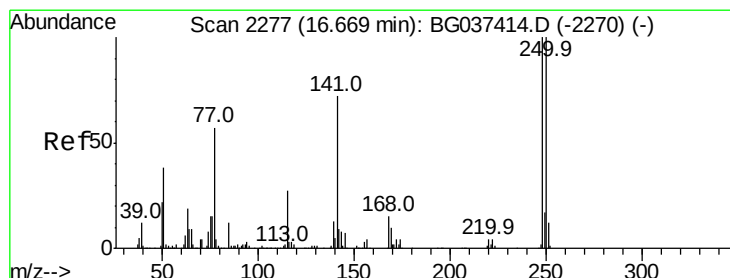
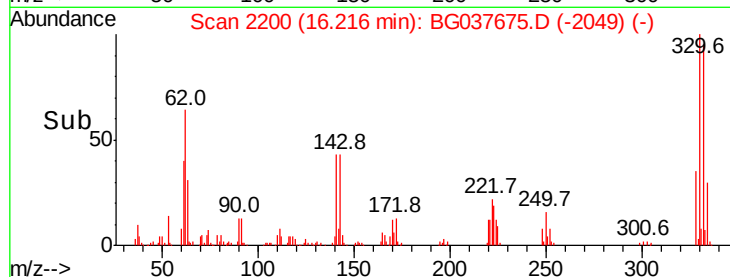
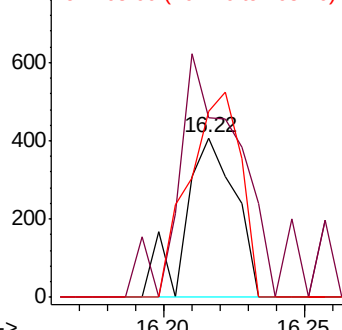
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.719 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. 0.36 min
 Lab File: BG037675.D
 Acq: 31 Oct 2018 5:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 505
 Ion Ratio Lower Upper
 198 100
 51 23.4 22.7 62.7
 105 24.2 19.7 59.7

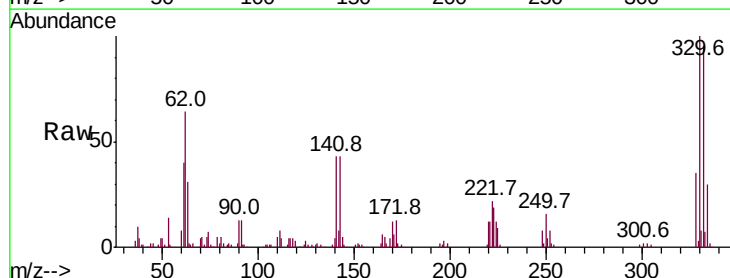


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

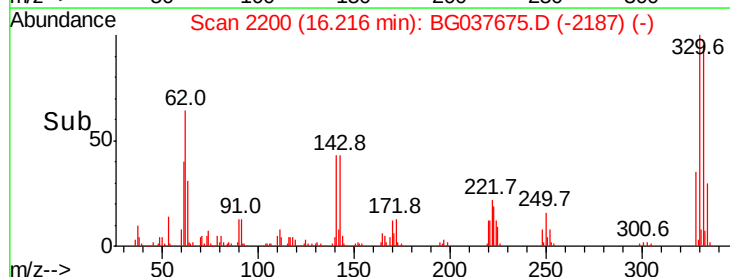
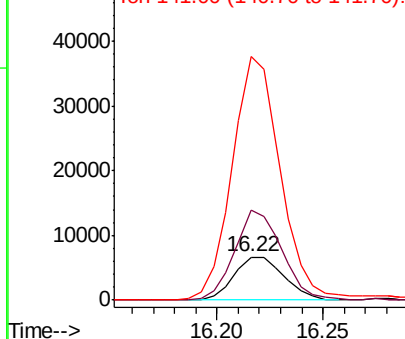


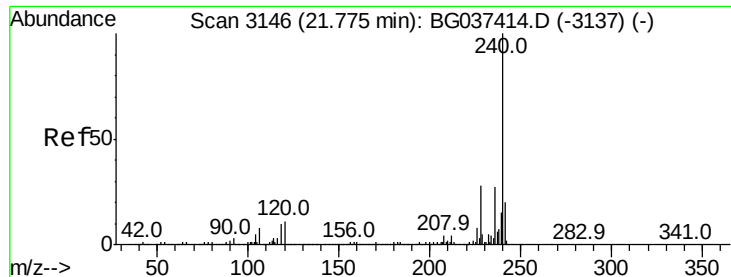
#67
 4-Bromophenyl-phenylether
 Concen: 2.612 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.45 min
 Lab File: BG037675.D
 Acq: 31 Oct 2018 5:43

Tgt Ion:248 Resp: 10750
 Ion Ratio Lower Upper
 248 100
 250 205.9 77.0 115.6#
 141 432.5 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

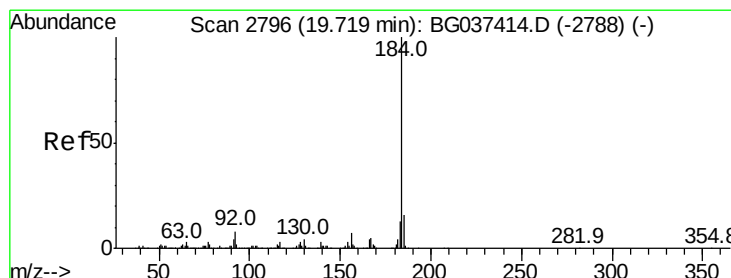
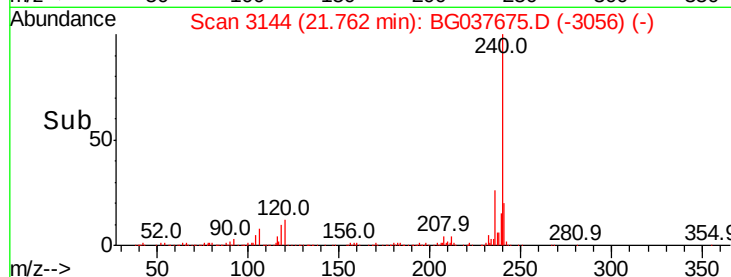
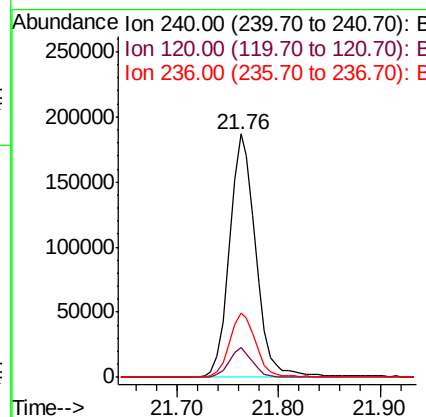
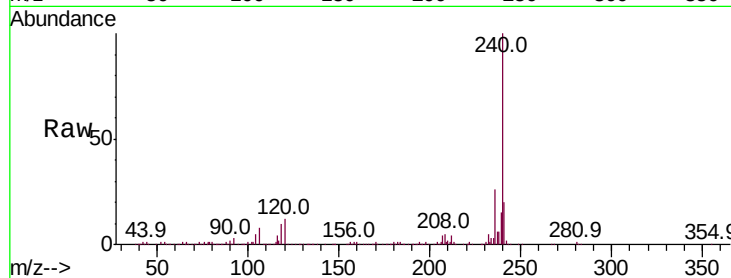




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037675.D
 Acq: 31 Oct 2018 5:43

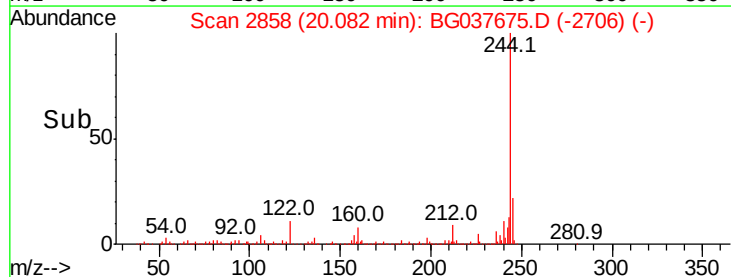
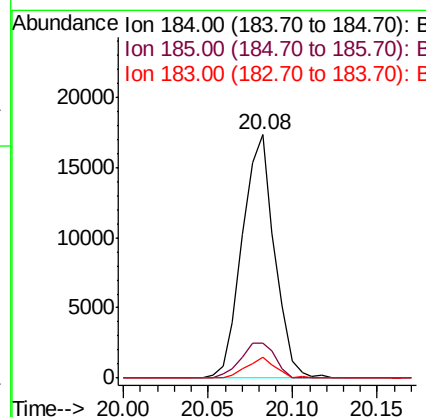
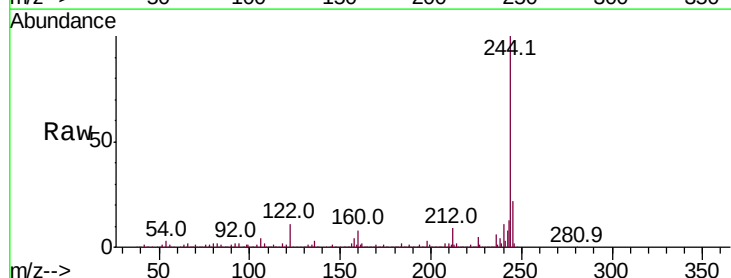
Instrument :
 BNA_G
 ClientSampled :

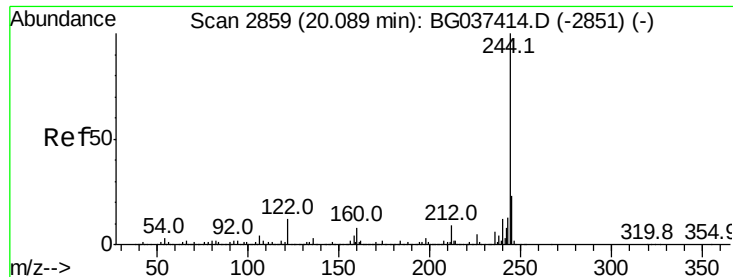
Tot Ion:240 Resp: 335391
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.1 12.1
 236 26.5 21.4 32.0



#77
 Benzidine
 Concen: 2.023 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. 0.36 min
 Lab File: BG037675.D
 Acq: 31 Oct 2018 5:43

Tgt Ion:184 Resp: 23067
 Ion Ratio Lower Upper
 184 100
 185 14.2 12.6 18.8
 183 8.3 10.2 15.2#





#79

Terphenyl-d14

Concen: 89.680 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037675.D

Acq: 31 Oct 2018 5:43

Instrument :

BNA_G

ClientSampled :

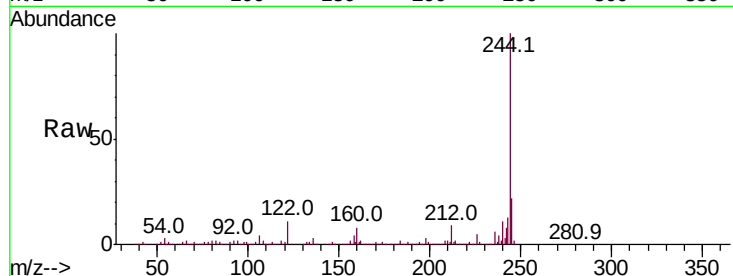
Tot Ion:244 Resp: 1407631

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

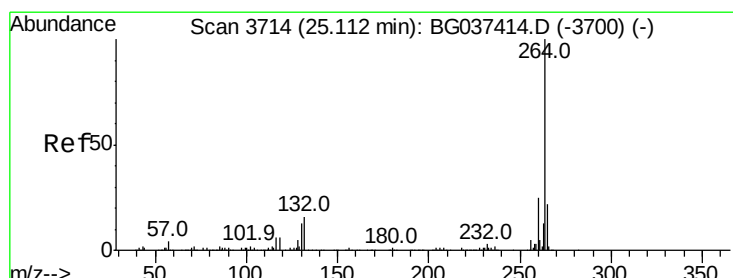
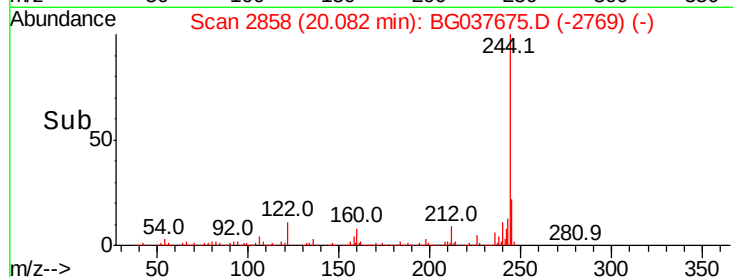
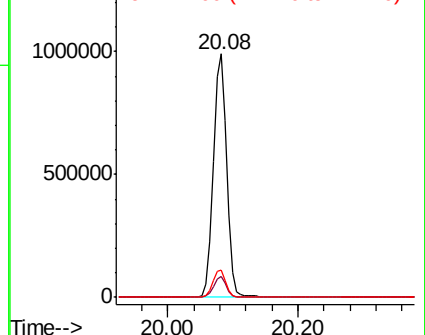
122 11.3 9.0 13.4



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: BG037675.D

Acq: 31 Oct 2018 5:43

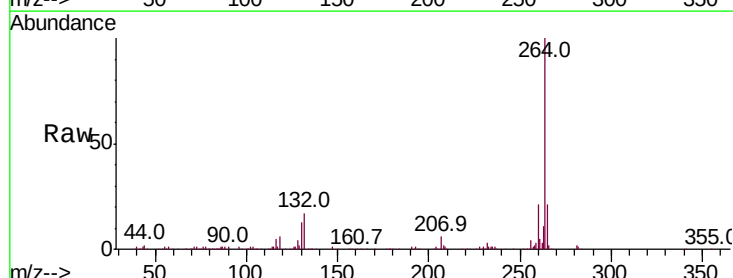
Tgt Ion:264 Resp: 311016

Ion Ratio Lower Upper

264 100

260 21.2 18.2 27.4

265 20.7 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

