

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110718\
 Data File : BG037871.D
 Acq On : 7 Nov 2018 18:42
 Operator : JU/SJ
 Sample : J5822-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 09:00:56 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

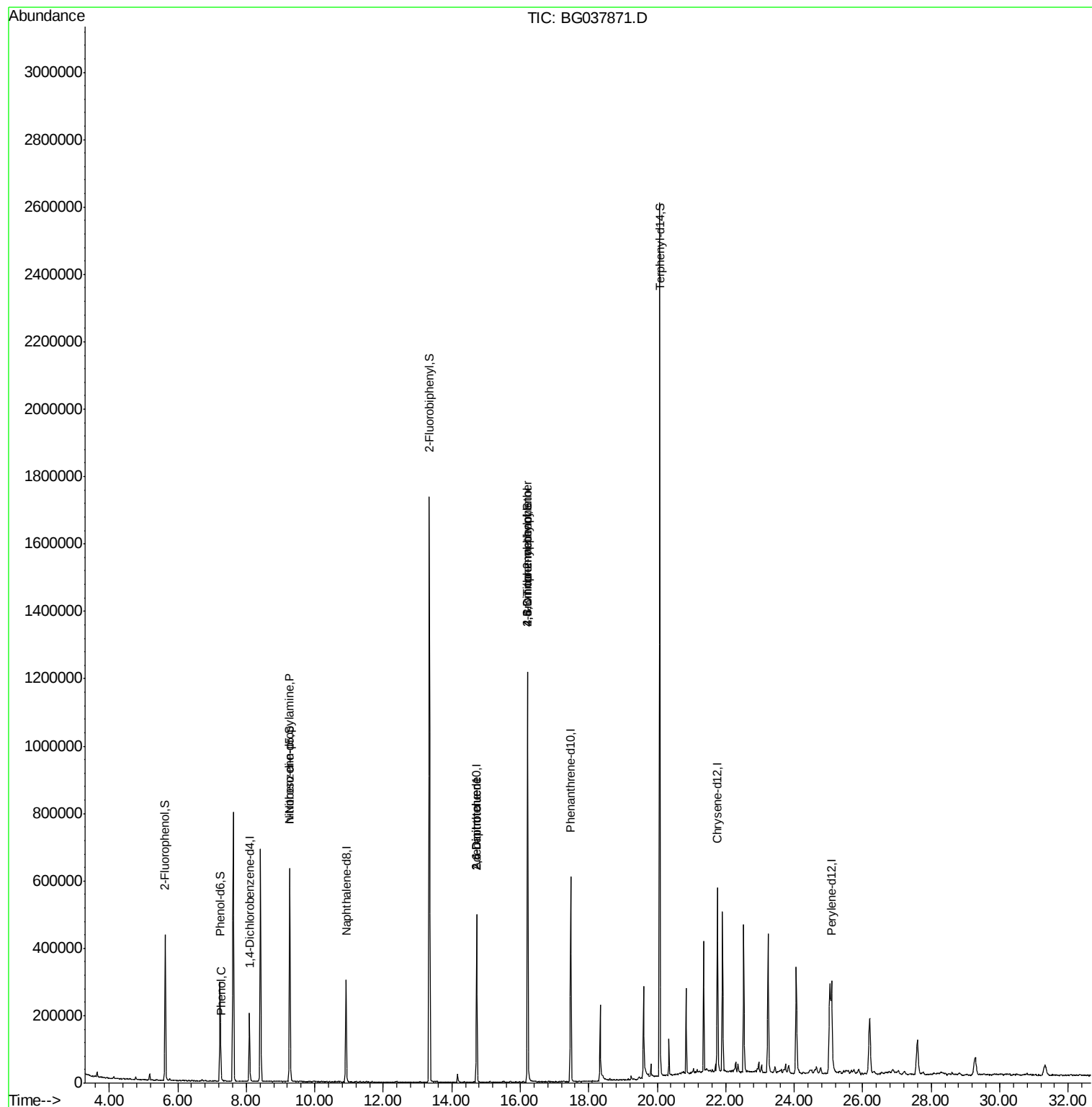
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	60689	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	279325	20.00	ng	-0.01
39) Acenaphthene-d10	14.73	164	179609	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	394715	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	340725	20.00	ng	-0.02
87) Perylene-d12	25.09	264	325107	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	206779	56.96	ng	-0.01
7) Phenol-d6	7.24	99	194093	35.36	ng	-0.01
23) Nitrobenzene-d5	9.27	82	401339	80.49	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	227129	115.94	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	961748	80.75	ng	-0.02
79) Terphenyl-d14	20.07	244	1235679	77.49	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.27	94	18710	3.23	ng	98
19) n-Nitroso-di-n-propylamine	9.27	70	49694	13.15	ng	# 74
51) 2,6-Dinitrotoluene	14.73	165	23219	7.55	ng	# 24
57) 2,4-Dinitrotoluene	14.73	165	23219	5.75	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.21	198	753	8.81	ng	# 63
67) 4-Bromophenyl-phenylether	16.21	248	16201	3.74	ng	# 1

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

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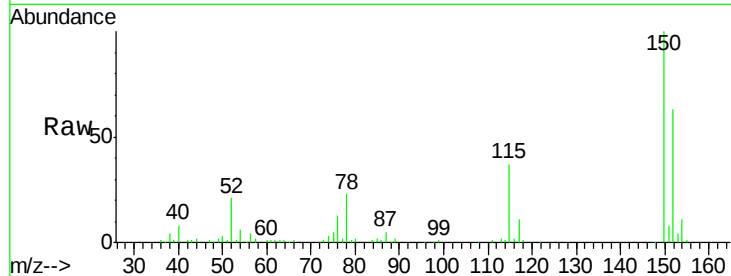


#1

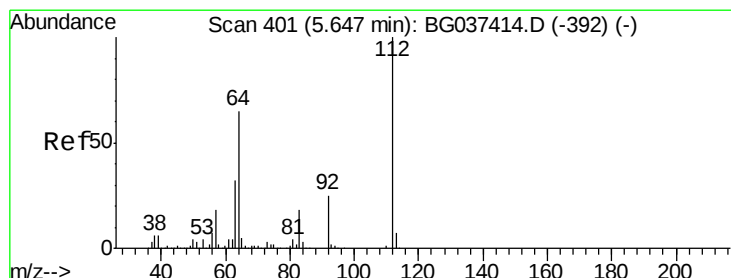
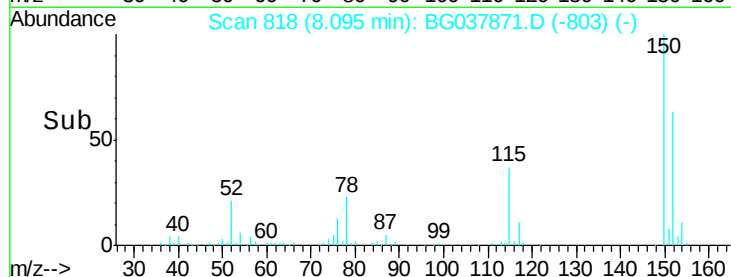
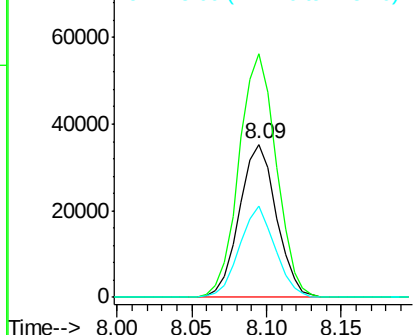
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037871.D
Acq: 7 Nov 2018 18:42

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 60689
Ion Ratio Lower Upper
152 100
150 159.1 126.0 189.0
115 59.3 45.5 68.3



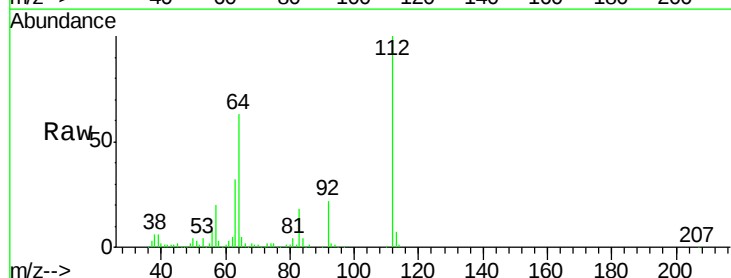
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



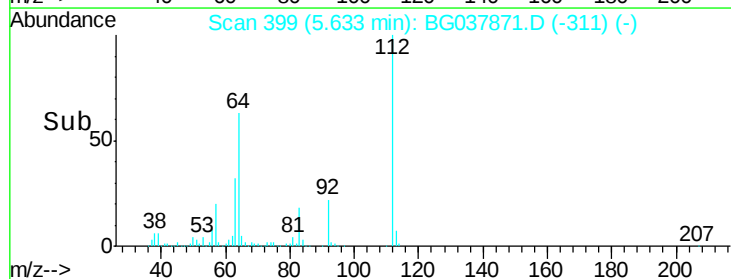
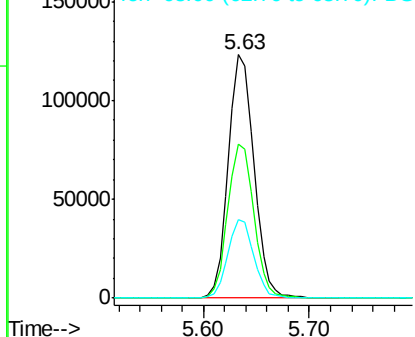
#5

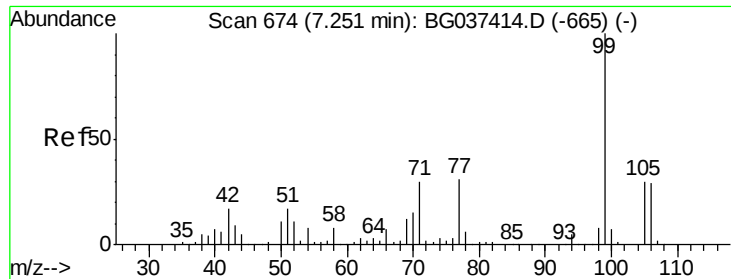
2-Fluorophenol
Concen: 56.96 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037871.D
Acq: 7 Nov 2018 18:42

Tgt Ion:112 Resp: 206779
Ion Ratio Lower Upper
112 100
64 63.2 53.1 79.7
63 32.4 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: 35.36 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037871.D

Acq: 7 Nov 2018 18:42

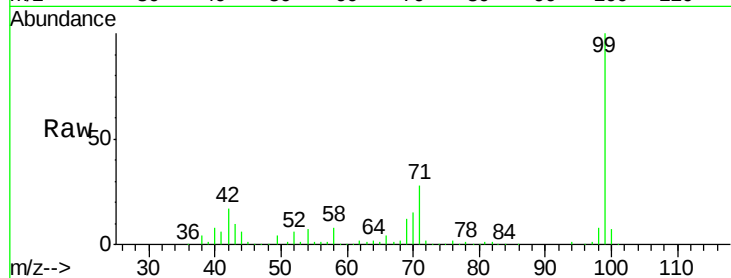
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 194093

Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.0	22.4
71	28.4	25.5	38.3

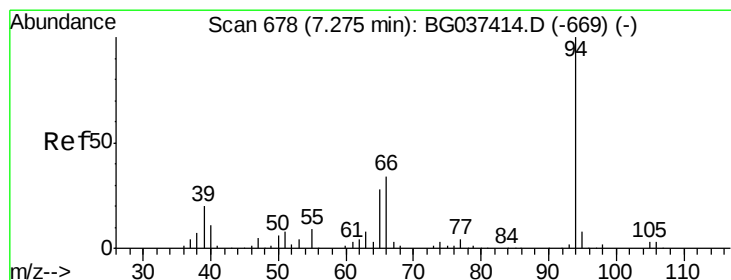
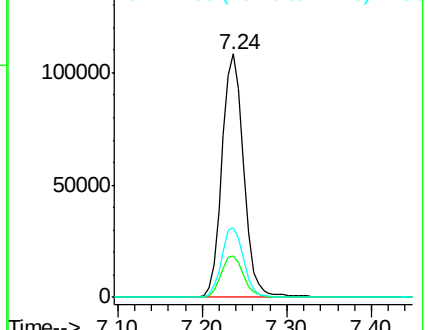
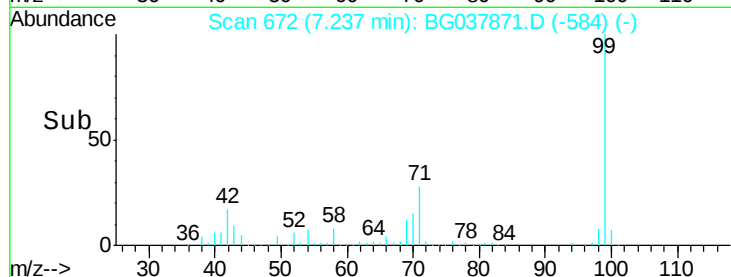


Abundance

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



#10

Phenol

Concen: 3.23 ng

RT: 7.27 min Scan# 677

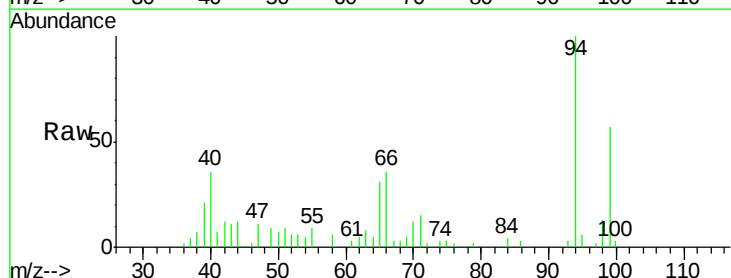
Delta R.T. -0.01 min

Lab File: BG037871.D

Acq: 7 Nov 2018 18:42

Tgt Ion: 94 Resp: 18710

Ion	Ratio	Lower	Upper
94	100		
65	31.3	9.7	49.7
66	36.2	15.9	55.9

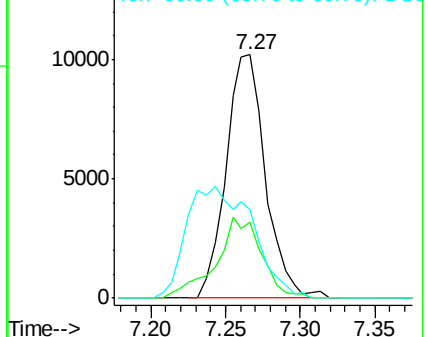
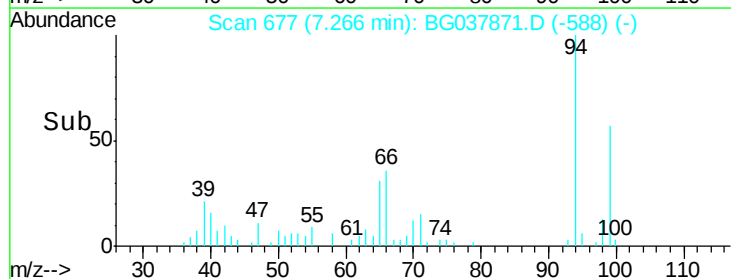


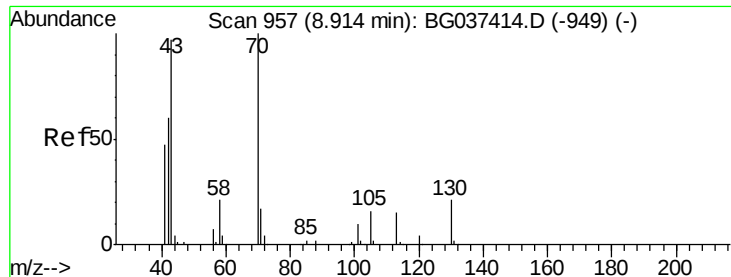
Abundance

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

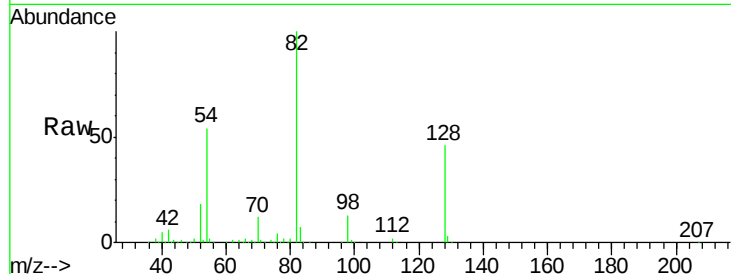




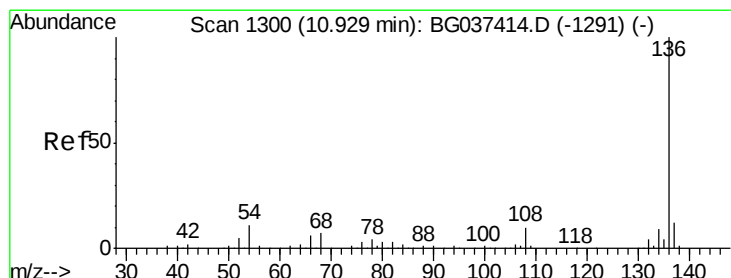
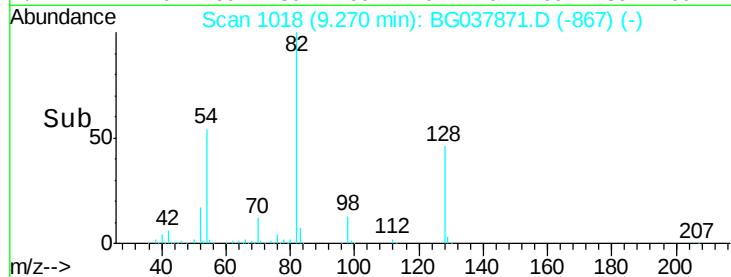
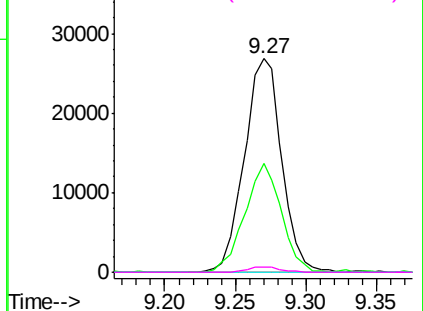
#19
n-Nitroso-di-n-propylamine
Concen: 13.15 ng
RT: 9.27 min Scan# 1018
Delta R.T. 0.36 min
Lab File: BG037871.D
Acq: 7 Nov 2018 18:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 49694
Ion Ratio Lower Upper
70 100
42 51.0 53.9 80.9#
101 0.0 8.2 12.2#
130 2.6 18.2 27.4#

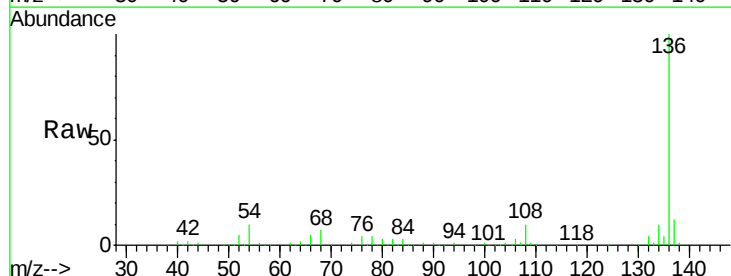


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

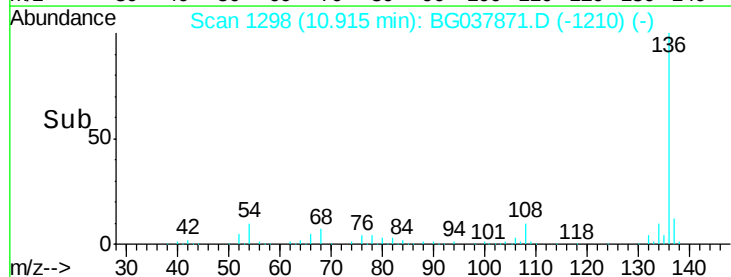
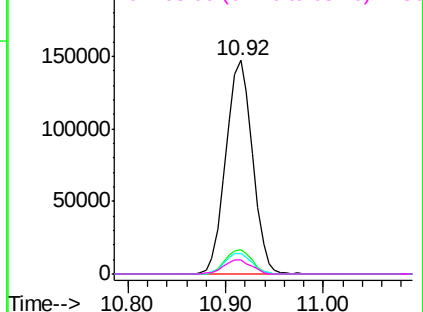


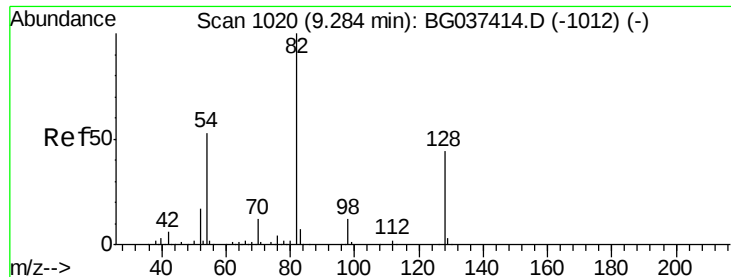
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.92 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG037871.D
Acq: 7 Nov 2018 18:42

Tgt Ion: 136 Resp: 279325
Ion Ratio Lower Upper
136 100
137 11.6 9.6 14.4
54 9.8 7.9 11.9
68 6.6 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

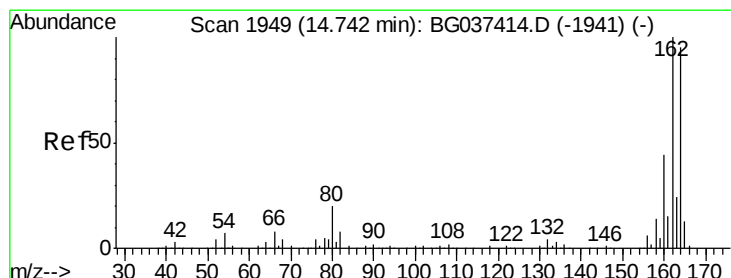
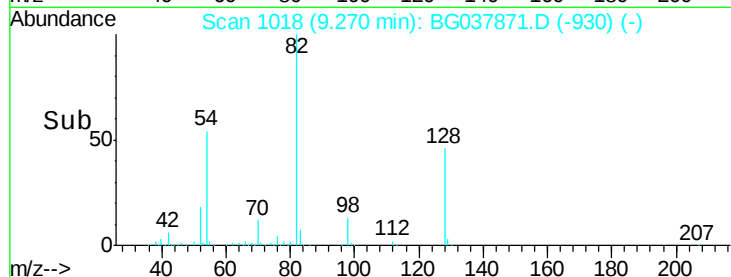
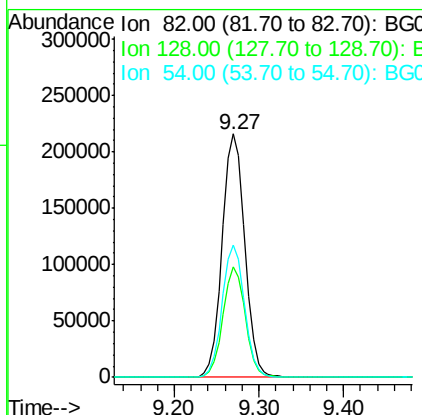
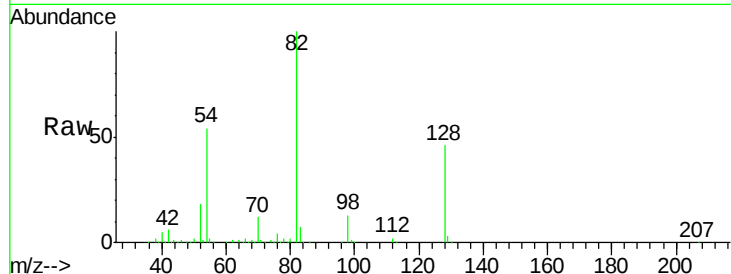




#23
Nitrobenzene-d5
Concen: 80.49 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037871.D
Acq: 7 Nov 2018 18:42

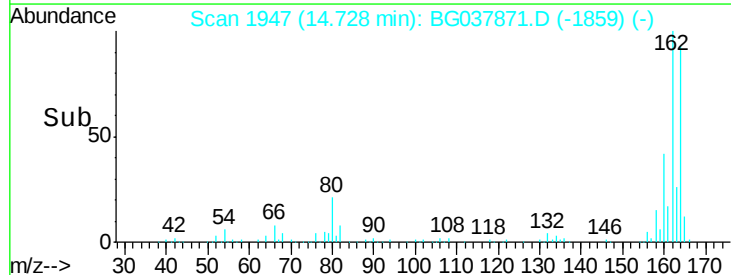
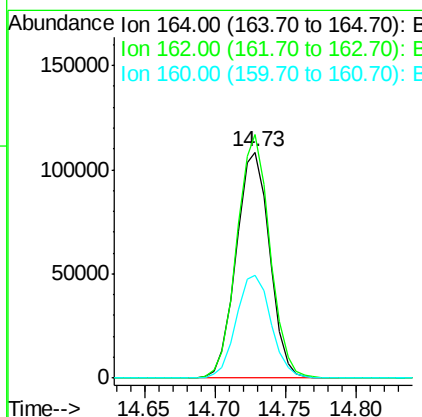
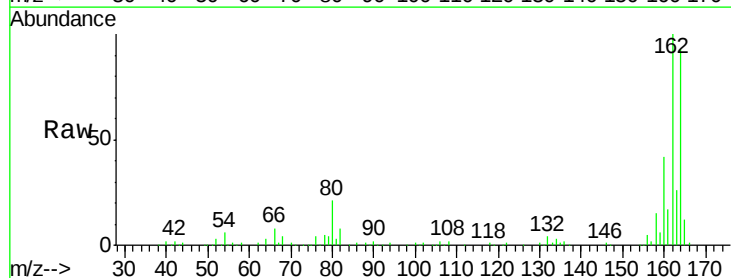
Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	401339
Ion Ratio	100	Lower	Upper
128	45.6	34.6	51.8
54	54.3	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.73 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG037871.D
Acq: 7 Nov 2018 18:42

Tgt Ion	164	Resp	179609
Ion Ratio	100	Lower	Upper
162	107.6	81.3	121.9
160	45.6	36.3	54.5

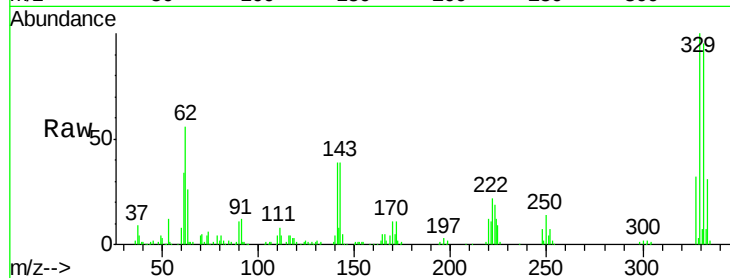




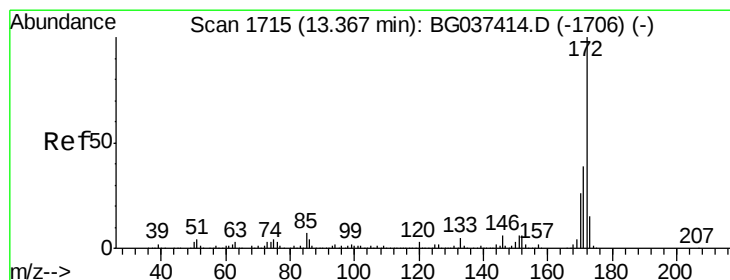
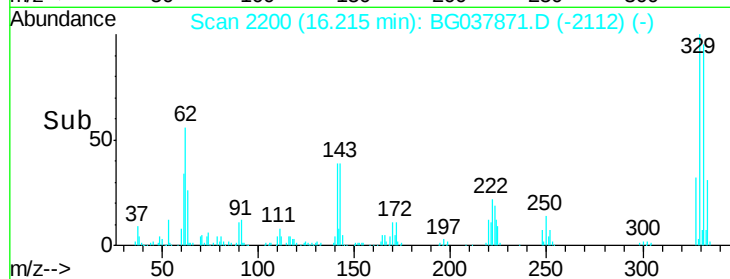
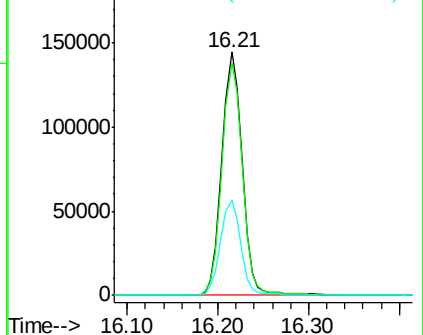
#42
 2,4,6-Tribromophenol
 Concen: 115.94 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG037871.D
 Acq: 7 Nov 2018 18:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 227129
 Ion Ratio Lower Upper
 330 100
 332 95.3 78.4 117.6
 141 38.8 32.2 48.2

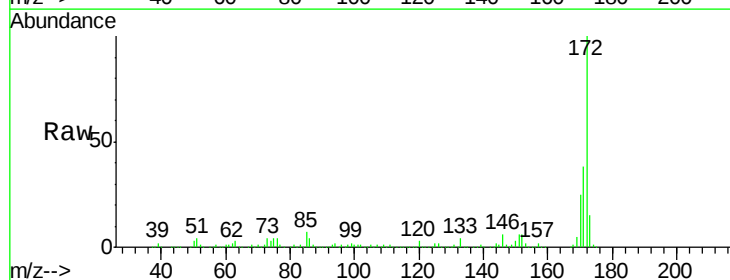


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

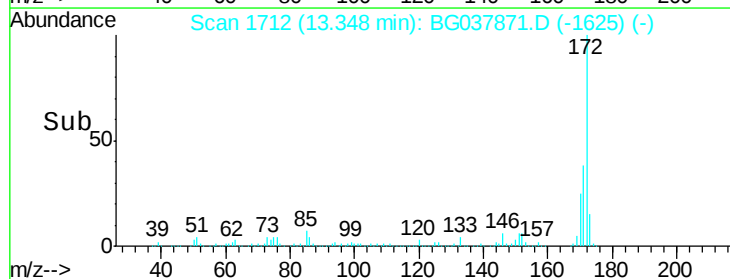
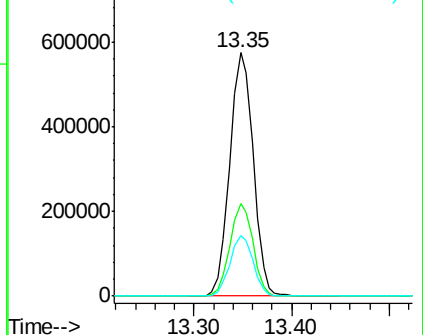


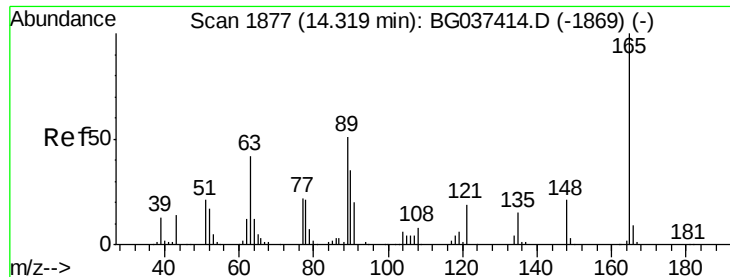
#45
 2-Fluorobiphenyl
 Concen: 80.75 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037871.D
 Acq: 7 Nov 2018 18:42

Tgt Ion:172 Resp: 961748
 Ion Ratio Lower Upper
 172 100
 171 38.2 31.0 46.4
 170 25.0 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: 7.55 ng

RT: 14.73 min Scan# 1947

Delta R.T. 0.41 min

Lab File: BG037871.D

Acq: 7 Nov 2018 18:42

Instrument :

BNA_G

ClientSampleId :

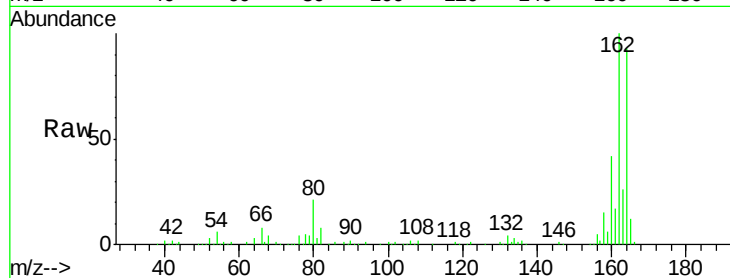
Tot Ion:165 Resp: 23219

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

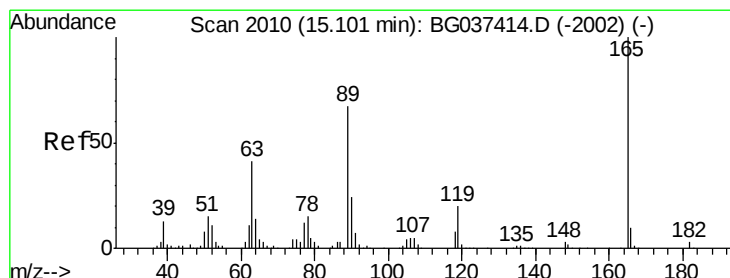
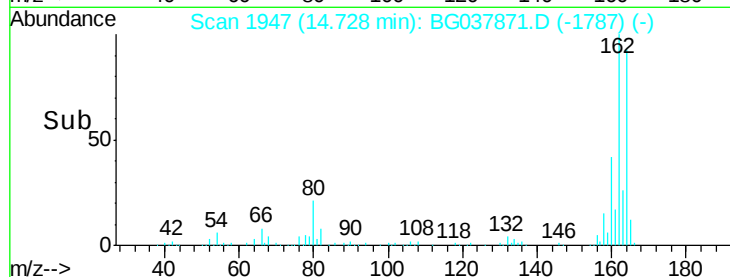
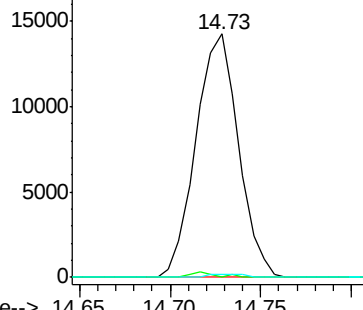
89 1.5 45.8 68.6#



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: 5.75 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.37 min

Lab File: BG037871.D

Acq: 7 Nov 2018 18:42

Tgt Ion:165 Resp: 23219

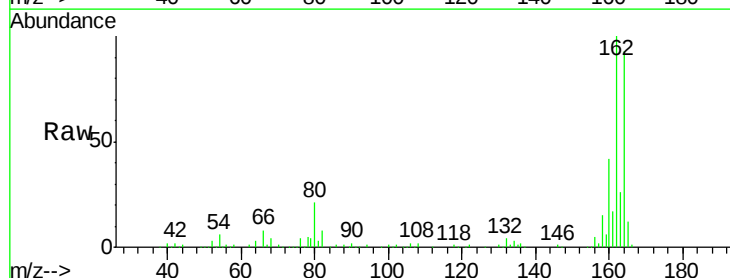
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 1.5 57.2 85.8#

182 0.0 2.6 4.0#

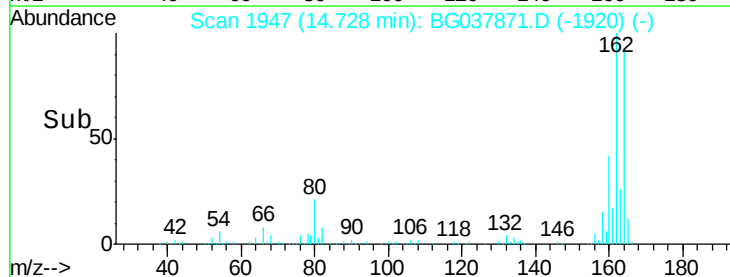
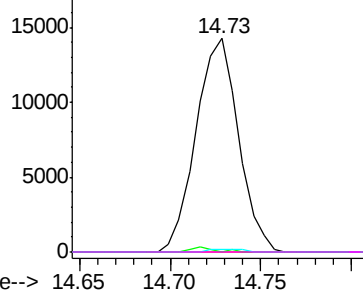


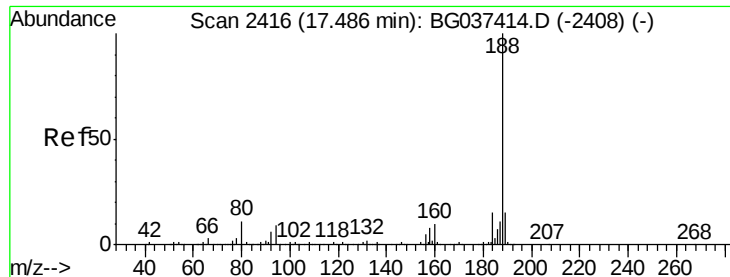
Abundance Ion 165.00 (164.70 to 165.70): E

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

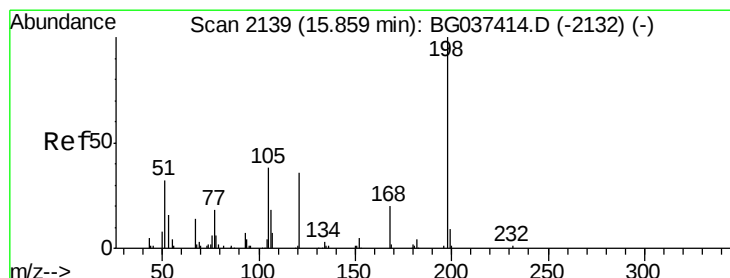
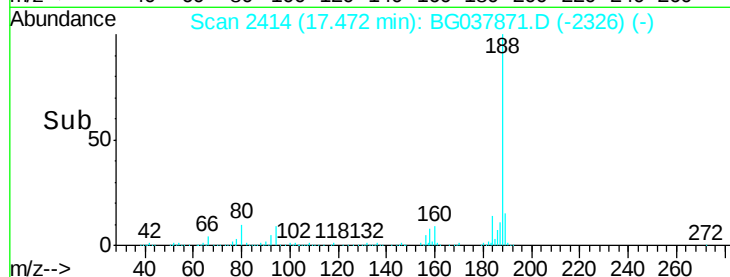
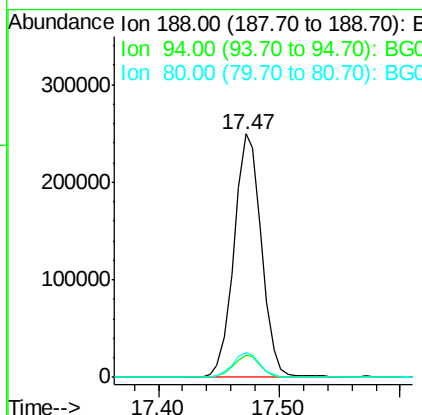
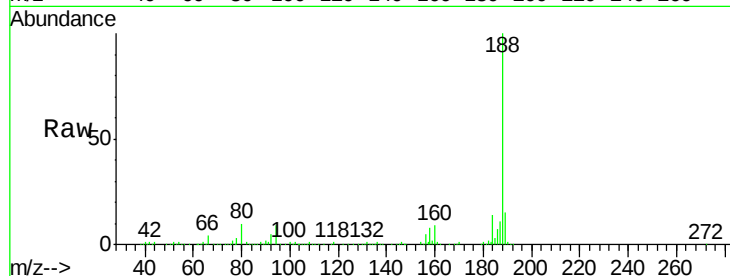




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BG037871.D
Acq: 7 Nov 2018 18:42

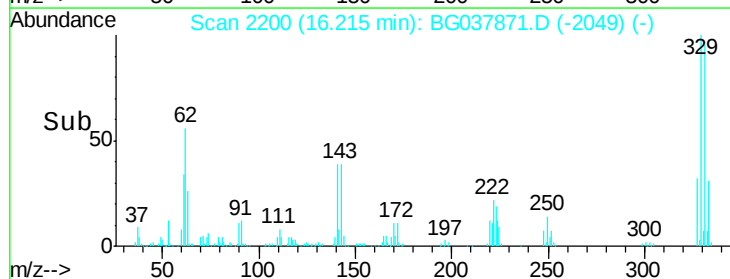
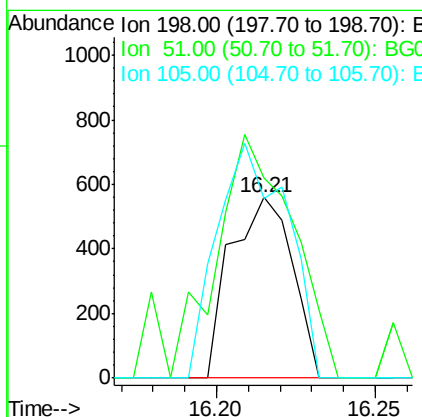
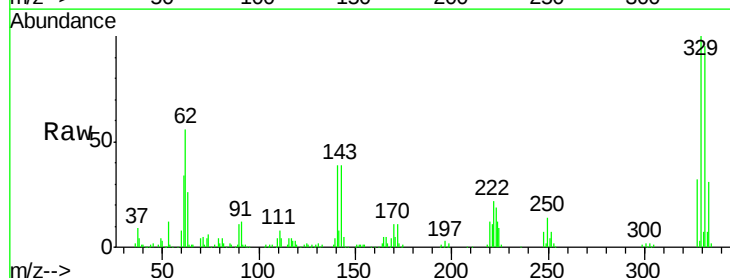
Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 394715
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.1 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.81 ng
RT: 16.21 min Scan# 2200
Delta R.T. 0.36 min
Lab File: BG037871.D
Acq: 7 Nov 2018 18:42

Tgt Ion:198 Resp: 753
Ion Ratio Lower Upper
198 100
51 19.0 22.7 62.7#
105 17.1 19.7 59.7#





#67

4-Bromophenyl-phenylether

Concen: 3.74 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.45 min

Lab File: BG037871.D

Acq: 7 Nov 2018 18:42

Instrument :

BNA_G

ClientSampleId :

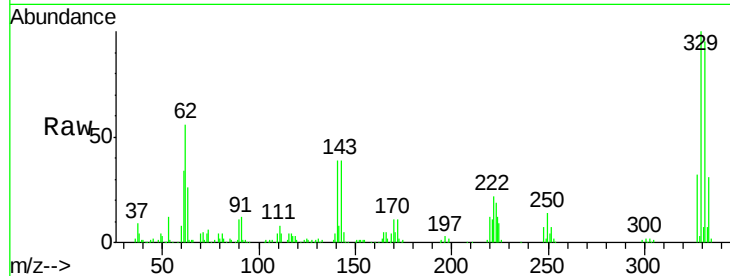
Tot Ion:248 Resp: 16201

Ion Ratio Lower Upper

248 100

250 191.1 77.0 115.6#

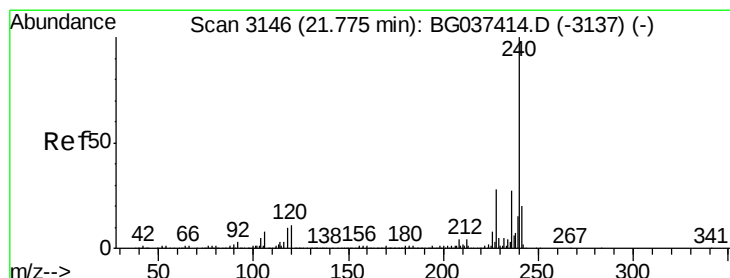
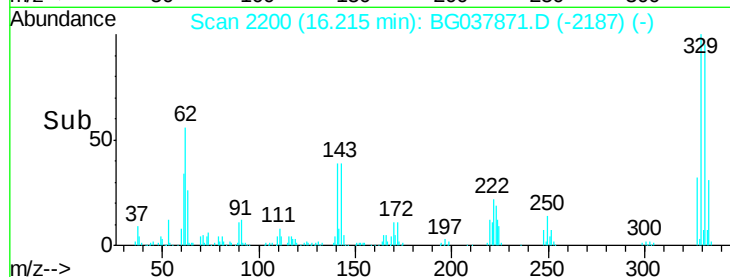
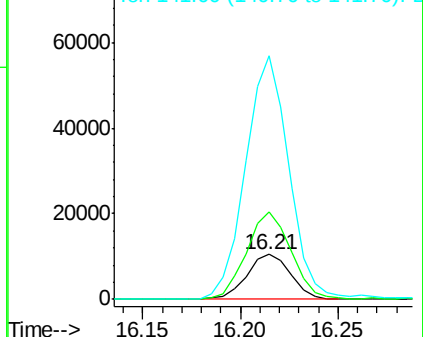
141 410.7 55.5 83.3#



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: 20.00 ng

RT: 21.76 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG037871.D

Acq: 7 Nov 2018 18:42

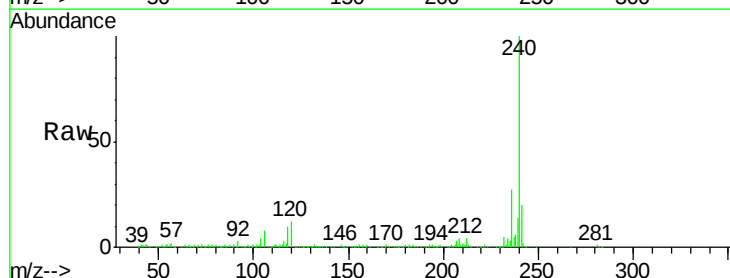
Tgt Ion:240 Resp: 340725

Ion Ratio Lower Upper

240 100

120 11.5 8.1 12.1

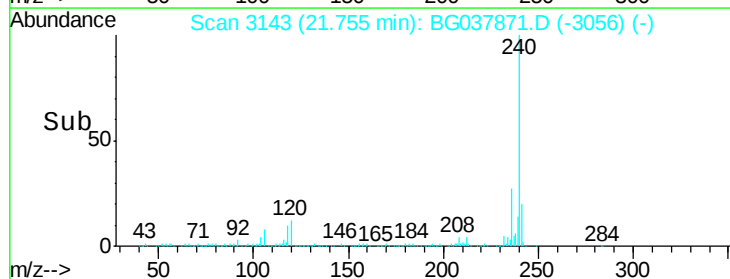
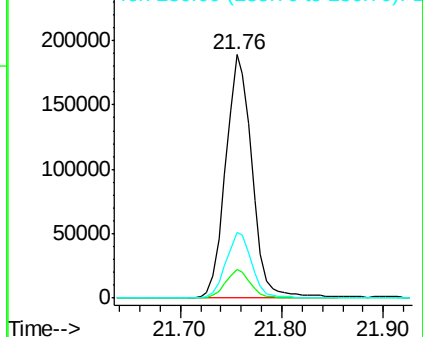
236 27.0 21.4 32.0

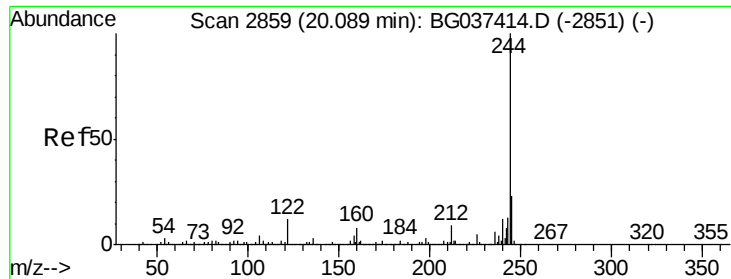


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 77.49 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037871.D

Acq: 7 Nov 2018 18:42

Instrument :

BNA_G

ClientSampled :

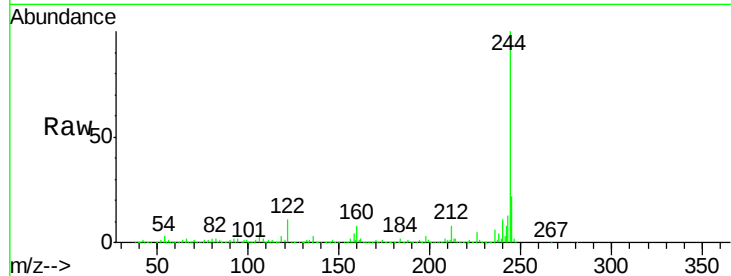
Tot Ion:244 Resp: 1235679

Ion Ratio Lower Upper

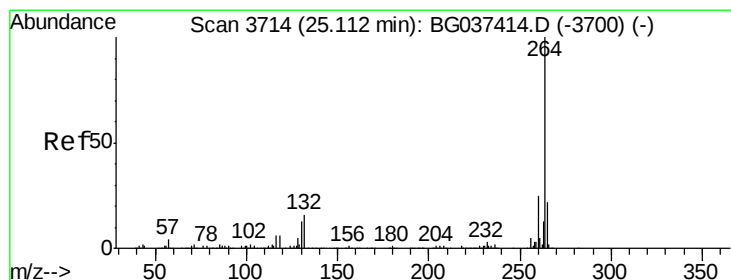
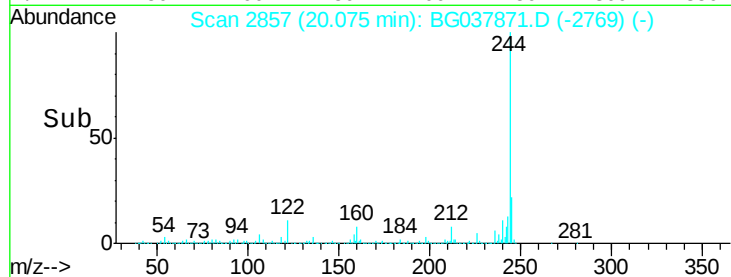
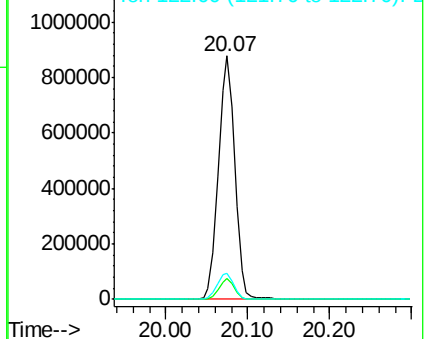
244 100

212 8.5 6.5 9.7

122 10.8 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: 20.00 ng

RT: 25.09 min Scan# 3710

Delta R.T. -0.03 min

Lab File: BG037871.D

Acq: 7 Nov 2018 18:42

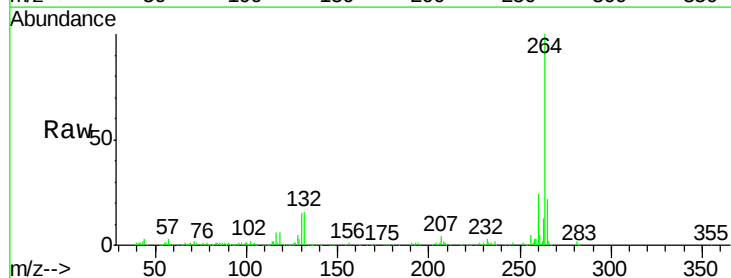
Tgt Ion:264 Resp: 325107

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 22.2 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

