

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040319\
 Data File : BG040342.D
 Acq On : 4 Apr 2019 1:52
 Operator : JU/SJ
 Sample : K2219-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 03:12:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

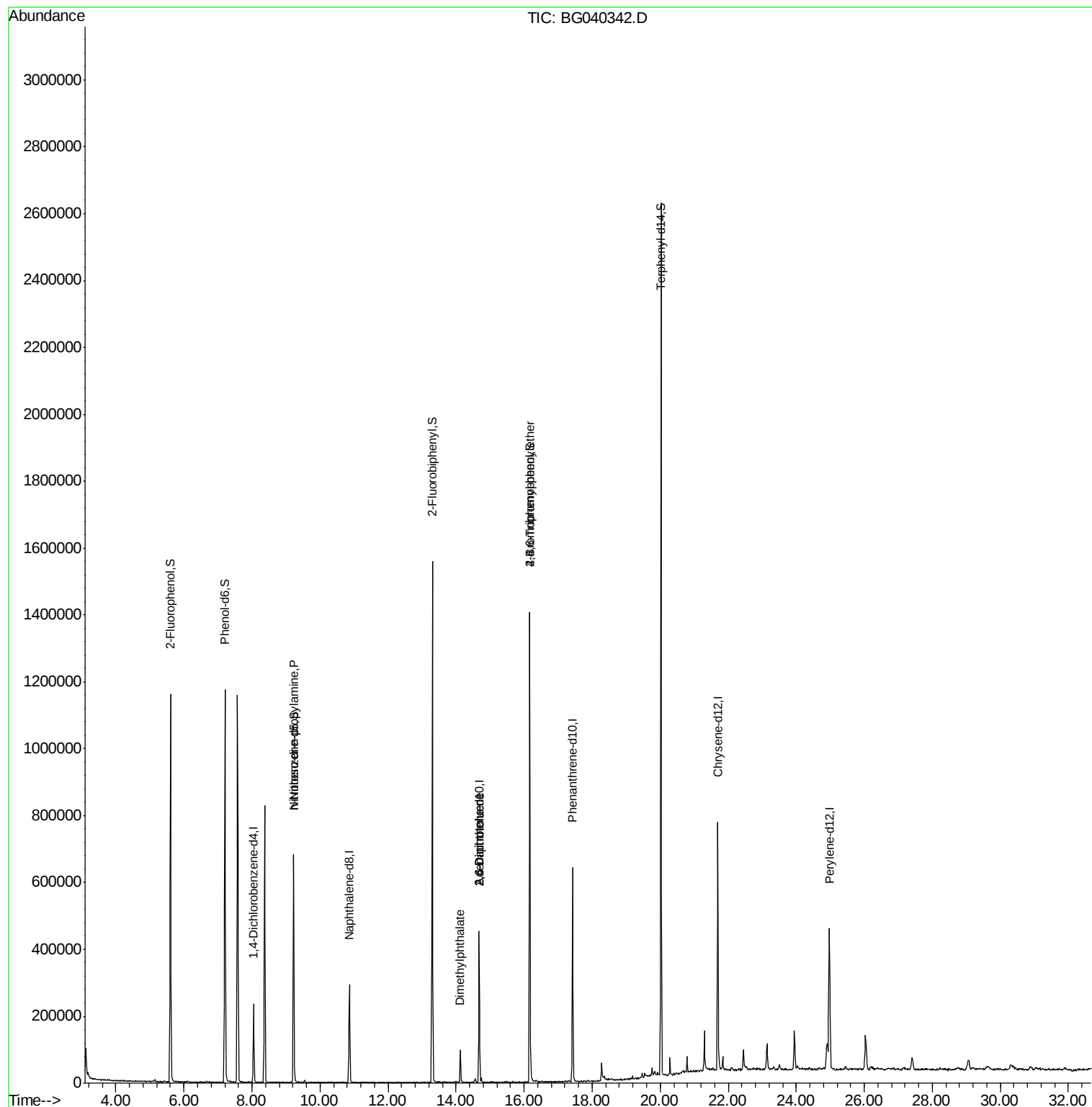
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	65620	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	260282	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	161001	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	398817	20.00	ng	-0.02
76) Chrysene-d12	21.70	240	440529	20.00	ng	-0.04
87) Perylene-d12	24.97	264	444595	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	516498	130.85	ng	-0.02
7) Phenol-d6	7.21	99	719198	131.84	ng	-0.02
23) Nitrobenzene-d5	9.22	82	423516	86.49	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	264464	151.99	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	824011	75.84	ng	-0.02
79) Terphenyl-d14	20.02	244	1266284	64.67	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	55351	14.152	ng	# 72
50) Dimethylphthalate	14.12	163	69595	5.523	ng	# 99
51) 2,6-Dinitrotoluene	14.67	165	21501	7.599	ng	# 26
57) 2,4-Dinitrotoluene	14.67	165	21501	5.469	ng	# 27
67) 4-Bromophenyl-phenylether	16.17	248	20450	4.557	ng	# 1

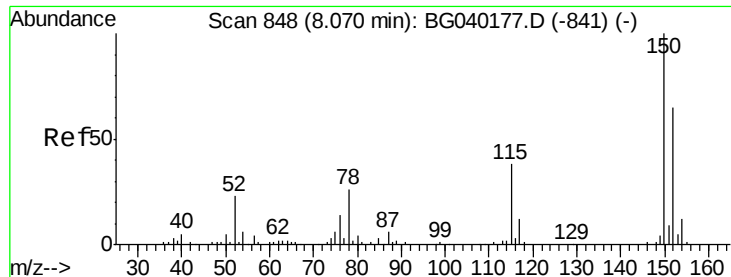
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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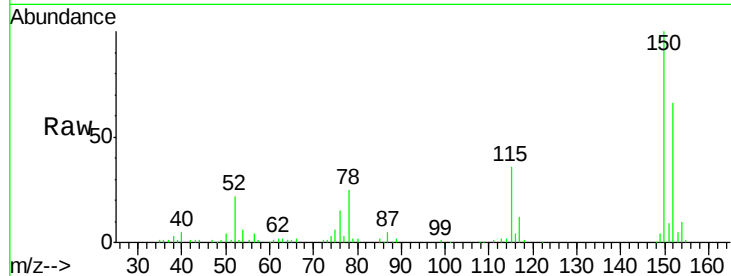


#1

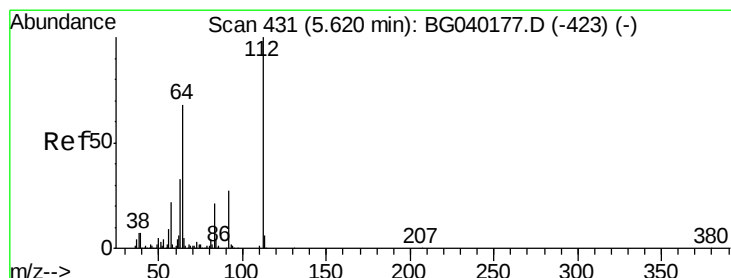
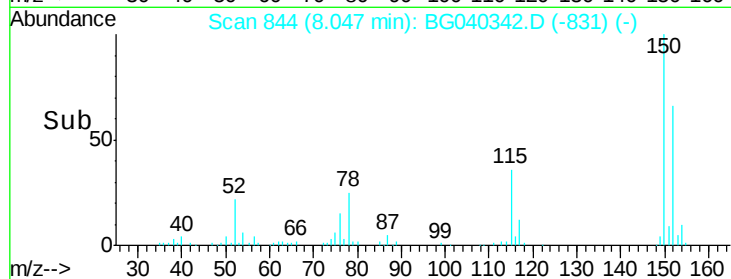
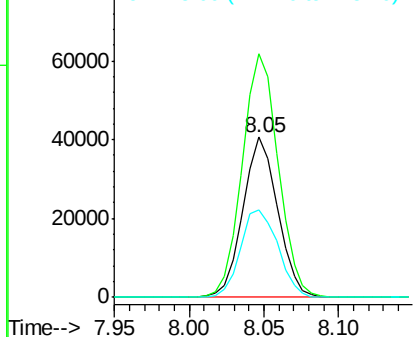
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.02 min
Lab File: BG040342.D
Acq: 4 Apr 2019 1:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65620
Ion Ratio Lower Upper
152 100
150 152.1 123.7 185.5
115 54.5 46.9 70.3



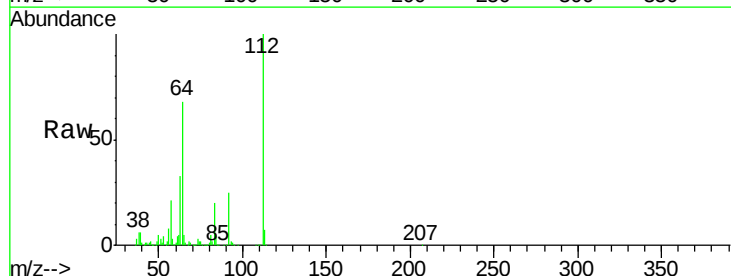
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



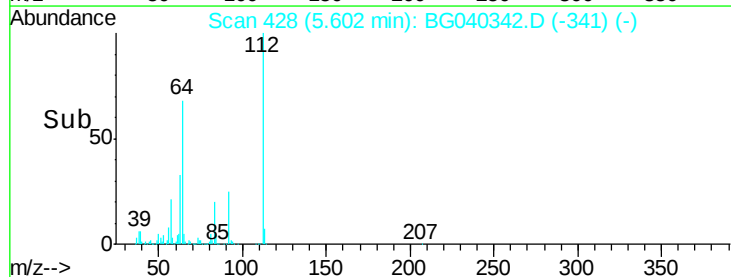
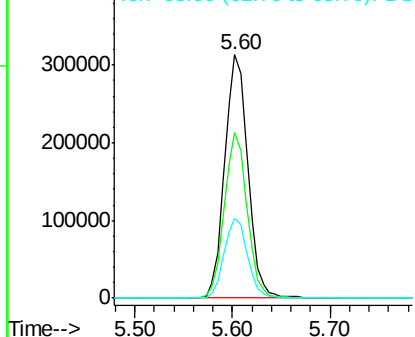
#5

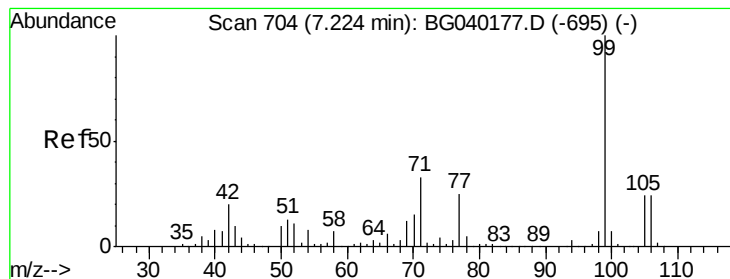
2-Fluorophenol
Concen: 130.849 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.02 min
Lab File: BG040342.D
Acq: 4 Apr 2019 1:52

Tgt Ion:112 Resp: 516498
Ion Ratio Lower Upper
112 100
64 67.9 54.2 81.2
63 32.8 26.4 39.6



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: 131.837 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040342.D

Acq: 4 Apr 2019 1:52

Instrument :

BNA_G

ClientSampleId :

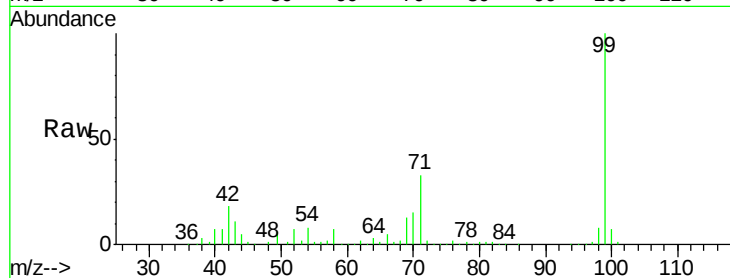
Tot Ion: 99 Resp: 719198

Ion Ratio Lower Upper

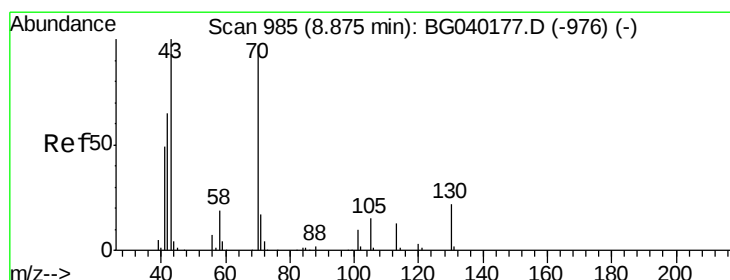
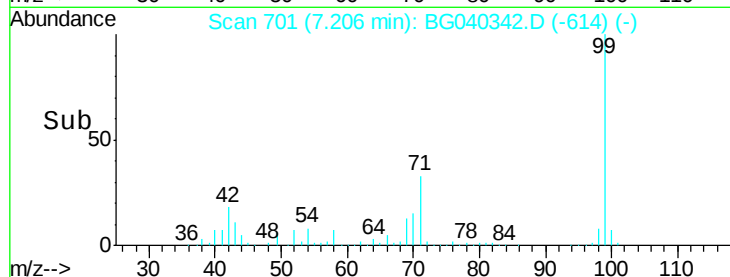
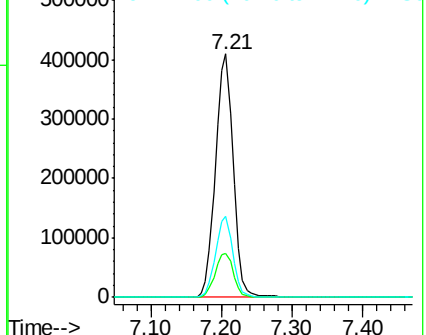
99 100

42 18.0 16.2 24.2

71 33.4 26.8 40.2



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: 14.152 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.35 min

Lab File: BG040342.D

Acq: 4 Apr 2019 1:52

Tgt Ion: 70 Resp: 55351

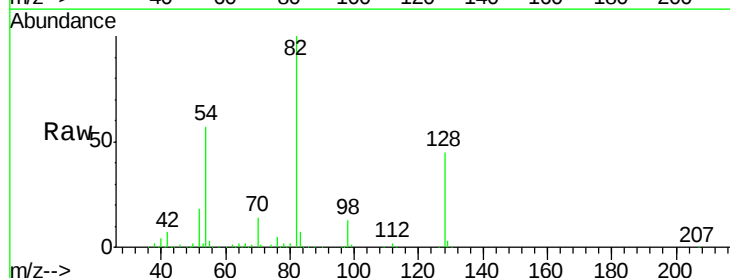
Ion Ratio Lower Upper

70 100

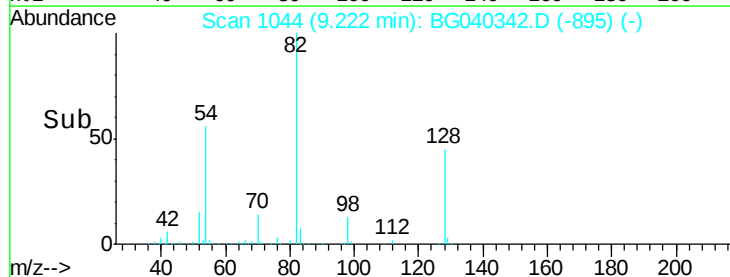
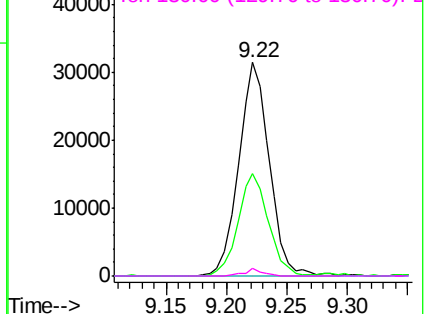
42 47.7 54.0 81.0#

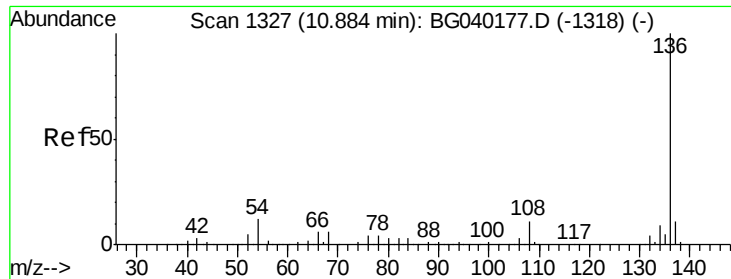
101 0.0 8.6 13.0#

130 3.4 18.2 27.2#



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

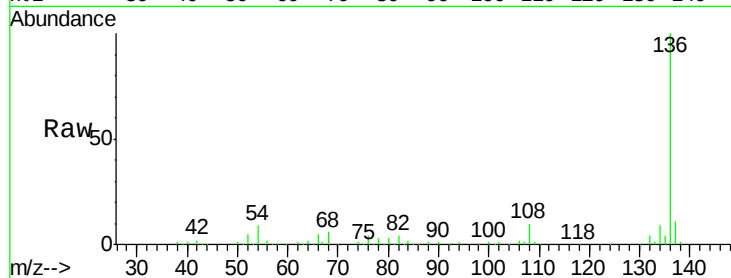




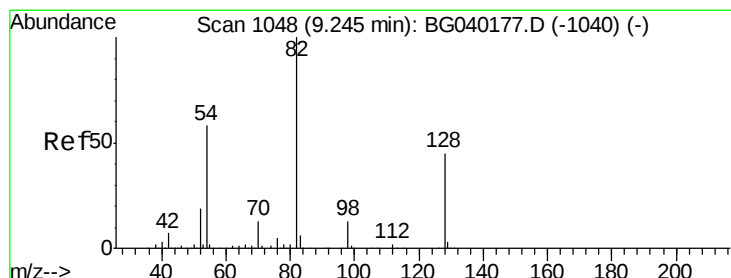
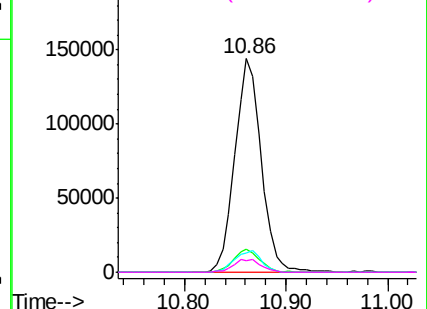
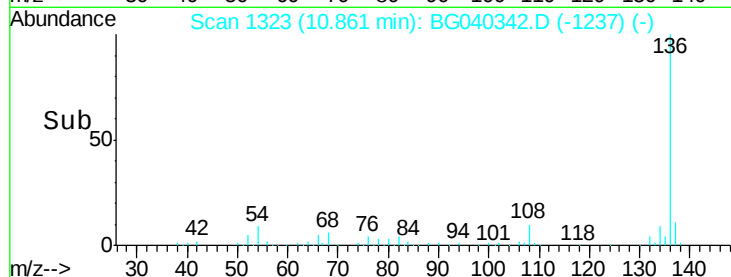
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG040342.D
Acq: 4 Apr 2019 1:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	260282
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	9.2	9.6 14.4#
68	5.6	5.1 7.7

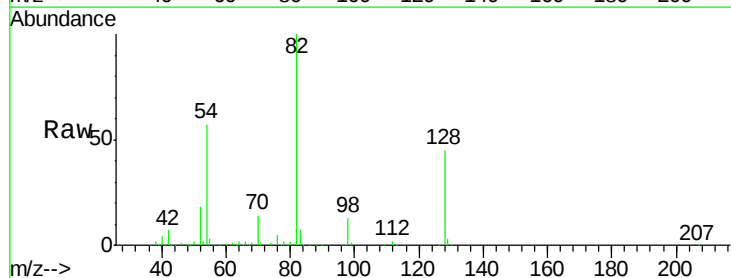


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

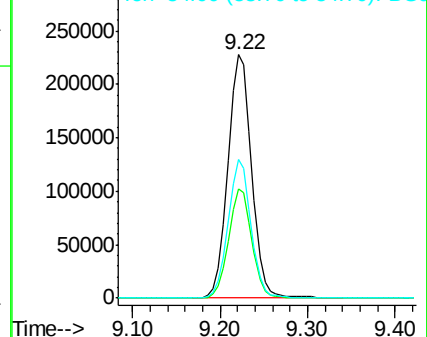
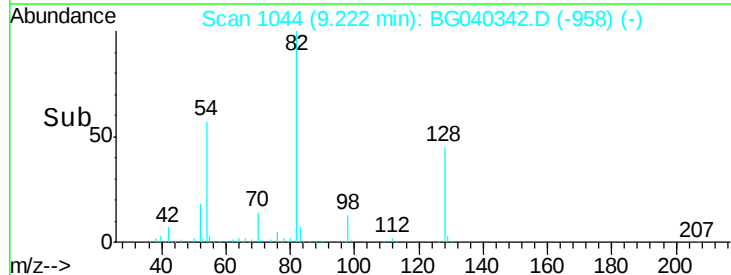


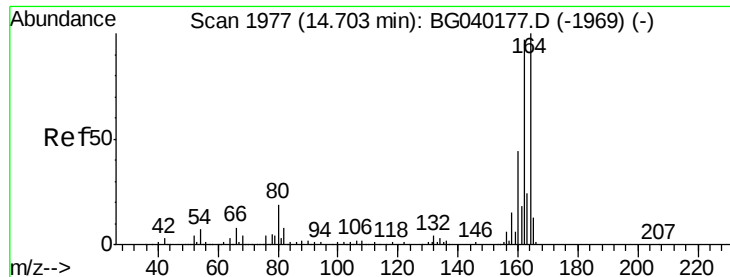
#23
Nitrobenzene-d5
Concen: 86.488 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG040342.D
Acq: 4 Apr 2019 1:52

Tgt Ion: 82	Resp:	423516
Ion Ratio	Lower	Upper
82	100	
128	44.8	35.8 53.8
54	56.7	46.2 69.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG040342.D

Acq: 4 Apr 2019 1:52

Instrument :

BNA_G

ClientSampleId :

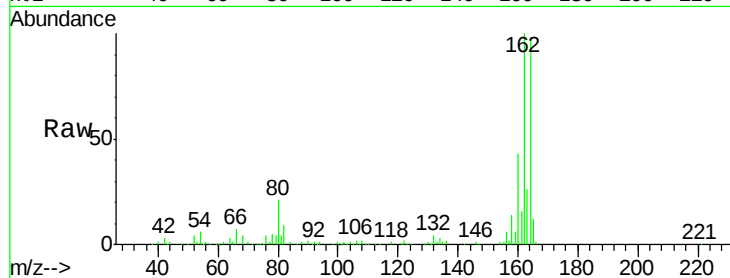
Tot Ion:164 Resp: 161001

Ion Ratio Lower Upper

164 100

162 102.0 77.4 116.2

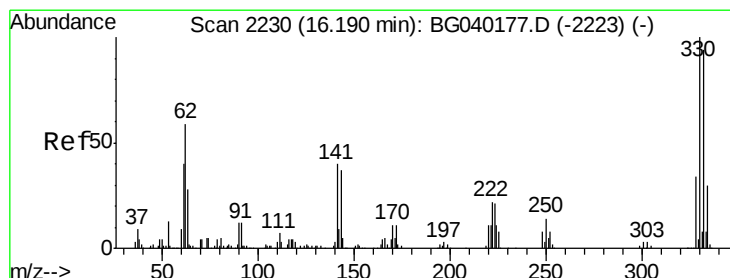
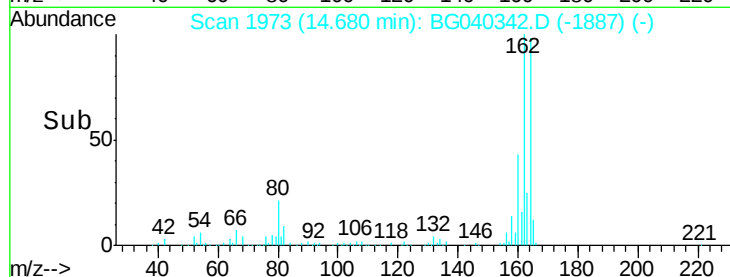
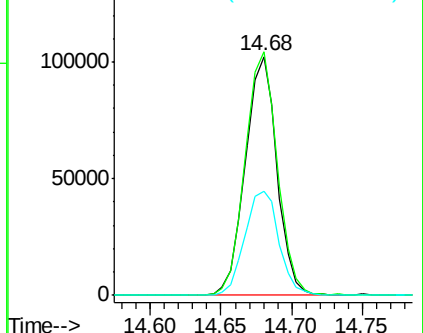
160 43.4 35.3 52.9



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: 151.991 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040342.D

Acq: 4 Apr 2019 1:52

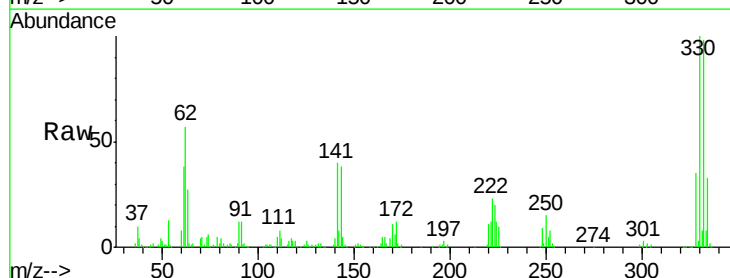
Tgt Ion:330 Resp: 264464

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

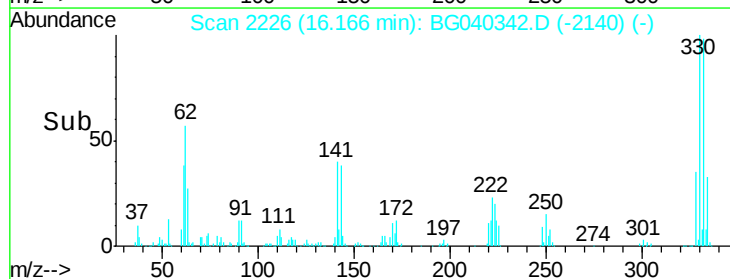
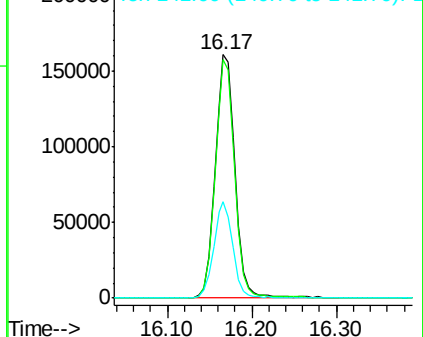
141 38.2 32.6 48.8

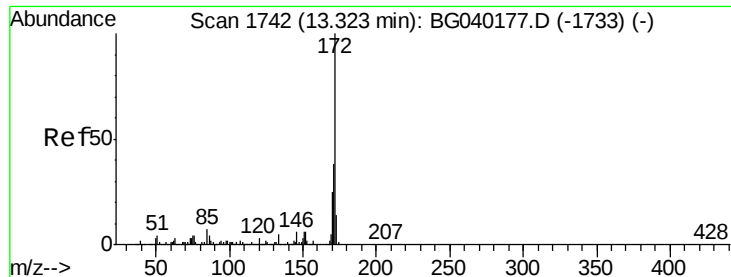


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

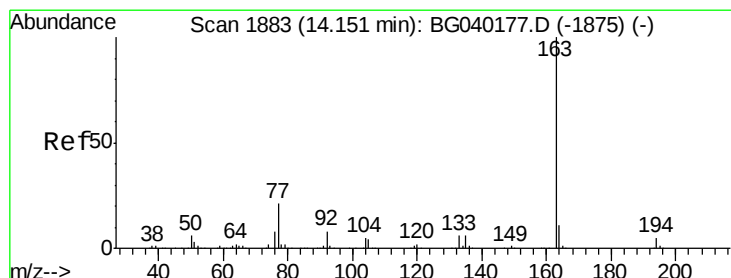
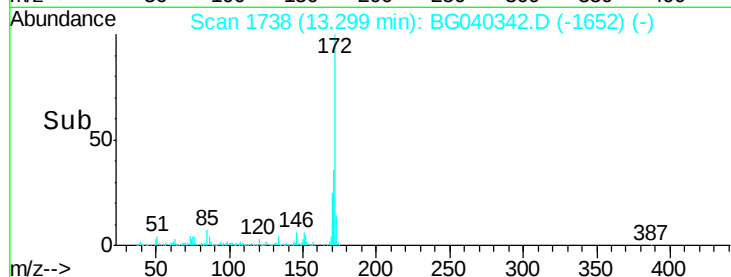
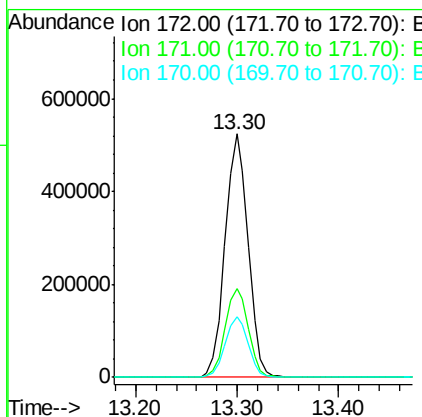
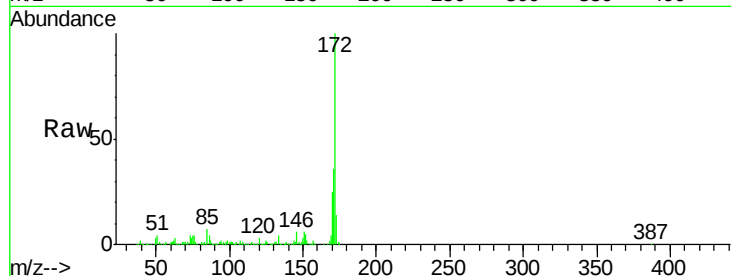




#45
2-Fluorobiphenyl
Concen: 75.837 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG040342.D
Acq: 4 Apr 2019 1:52

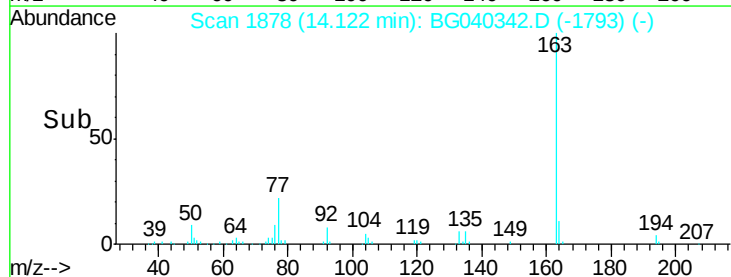
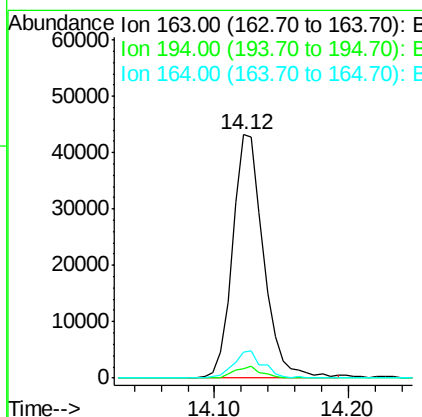
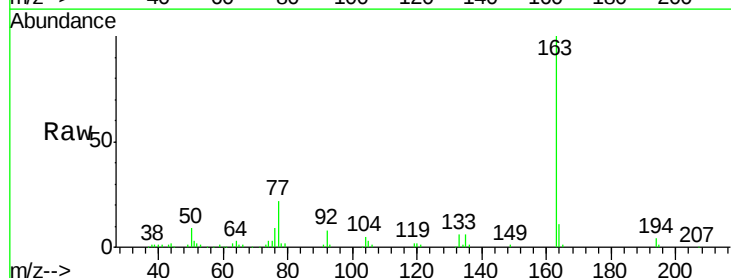
Instrument :
BNA_G
ClientSampleId :

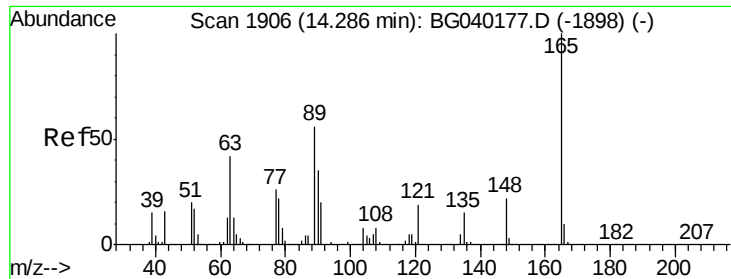
Tot Ion:172 Resp: 824011
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 25.1 20.1 30.1



#50
Dimethylphthalate
Concen: 5.523 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.03 min
Lab File: BG040342.D
Acq: 4 Apr 2019 1:52

Tgt Ion:163 Resp: 69595
Ion Ratio Lower Upper
163 100
194 4.0 4.1 6.1#
164 10.8 8.6 13.0

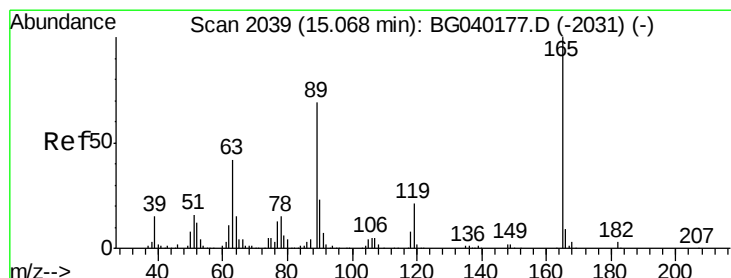
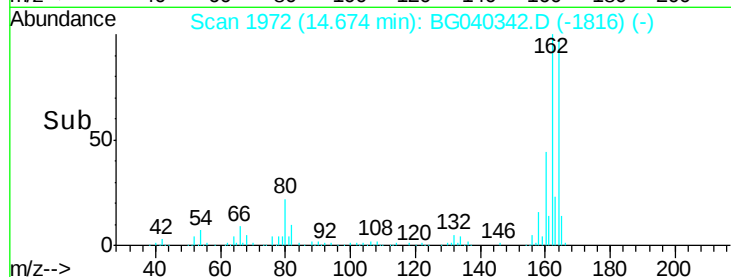
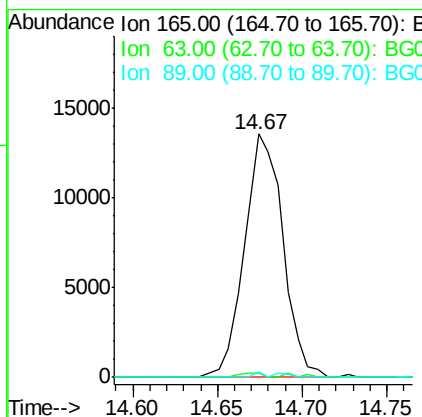
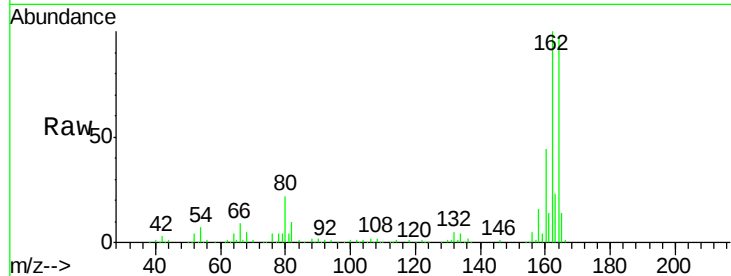




#51
 2,6-Dinitrotoluene
 Concen: 7.599 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.39 min
 Lab File: BG040342.D
 Acq: 4 Apr 2019 1:52

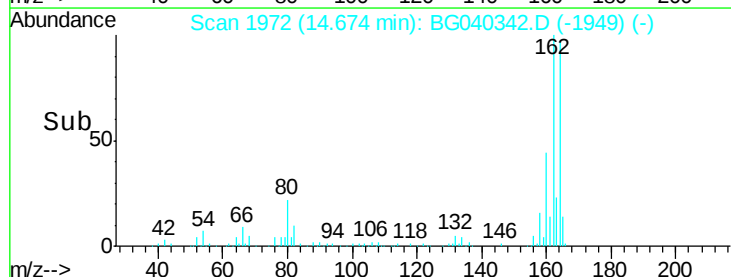
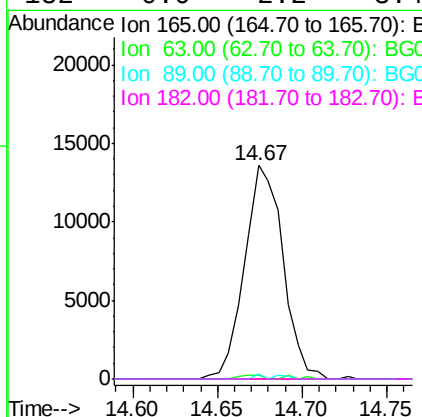
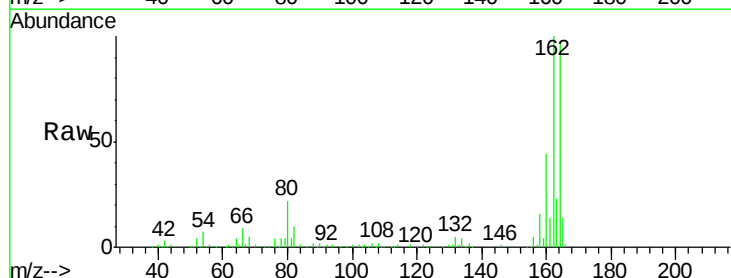
Instrument :
 BNA_G
 ClientSampleId :

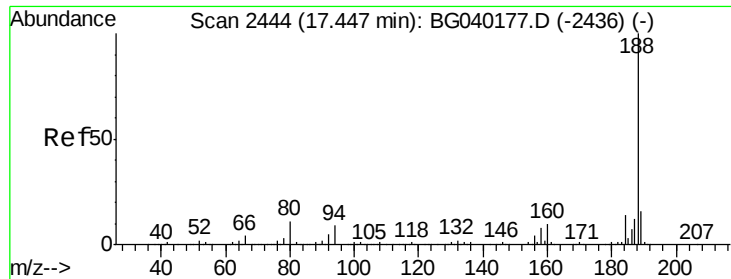
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.1	66.1#
89	2.4	44.9	67.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.469 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.39 min
 Lab File: BG040342.D
 Acq: 4 Apr 2019 1:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	33.8	50.6#
89	2.4	55.4	83.2#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.02 min

Lab File: BG040342.D

Acq: 4 Apr 2019 1:52

Instrument :

BNA_G

ClientSampleId :

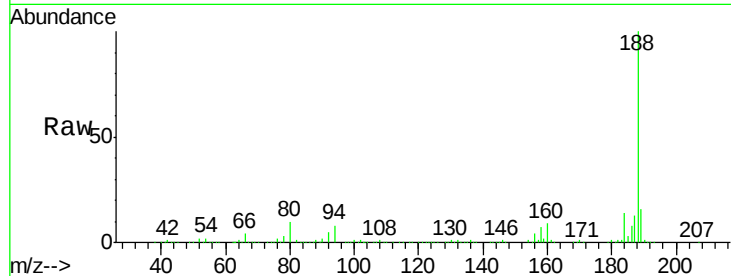
Tot Ion:188 Resp: 398817

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

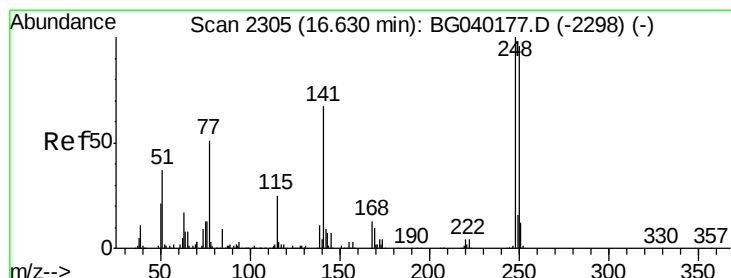
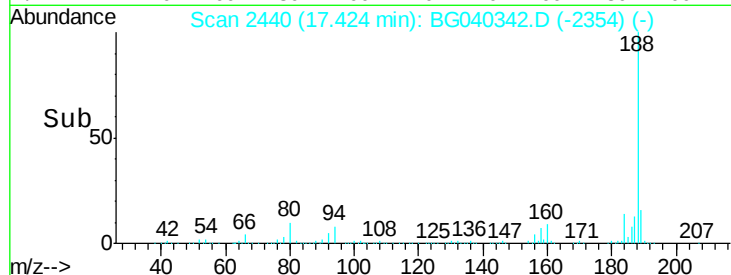
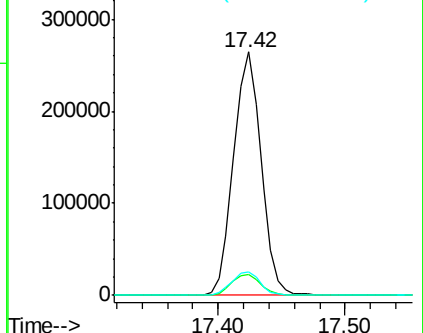
80 9.7 8.6 13.0



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: 4.557 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG040342.D

Acq: 4 Apr 2019 1:52

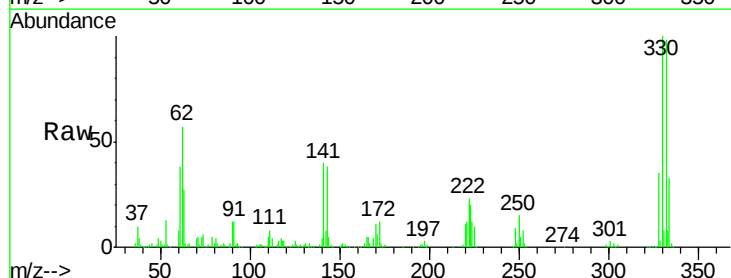
Tgt Ion:248 Resp: 20450

Ion Ratio Lower Upper

248 100

250 143.8 76.4 114.6#

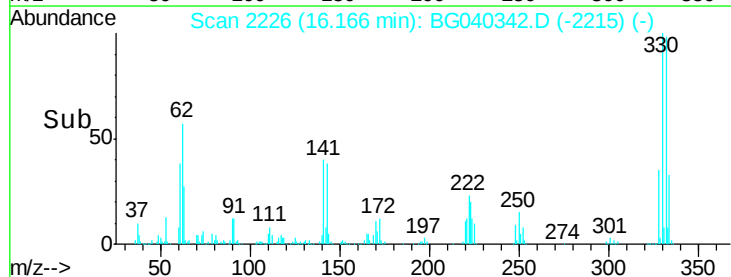
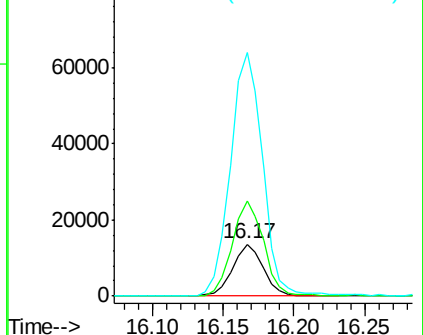
141 370.3 53.8 80.8#

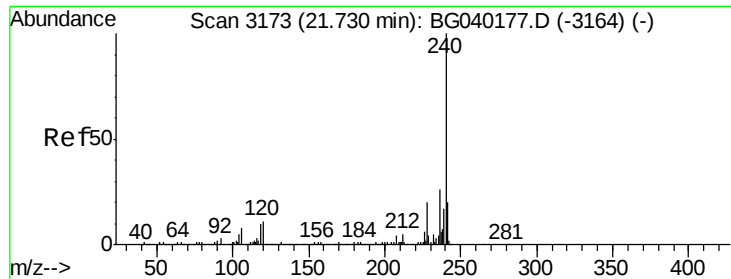


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

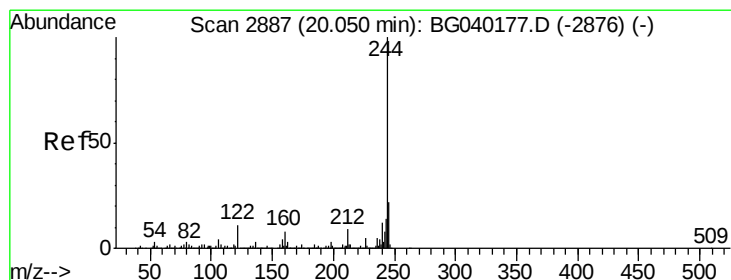
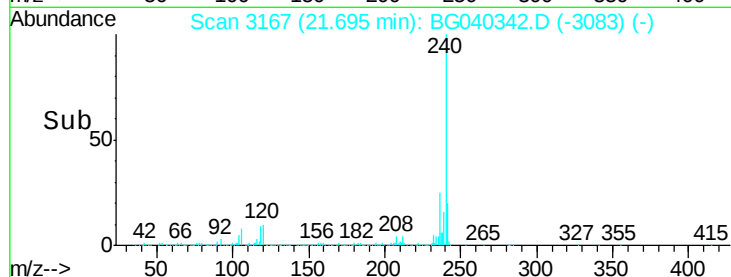
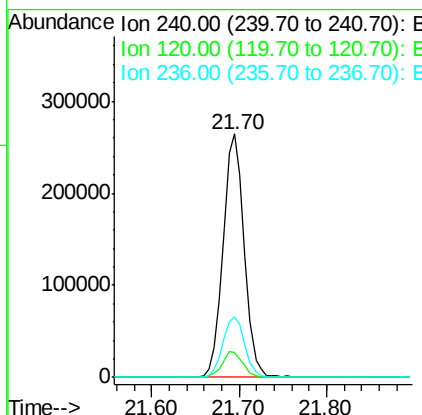
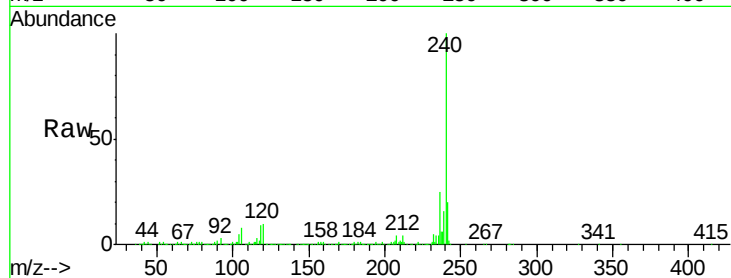




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.04 min
Lab File: BG040342.D
Acq: 4 Apr 2019 1:52

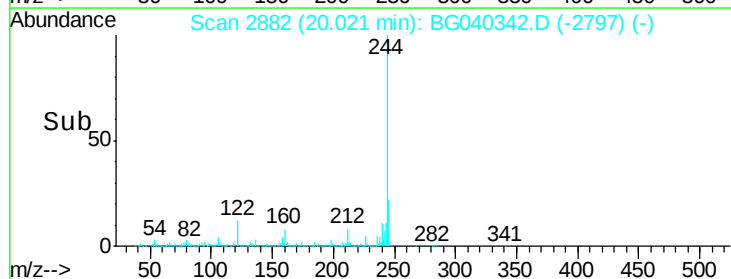
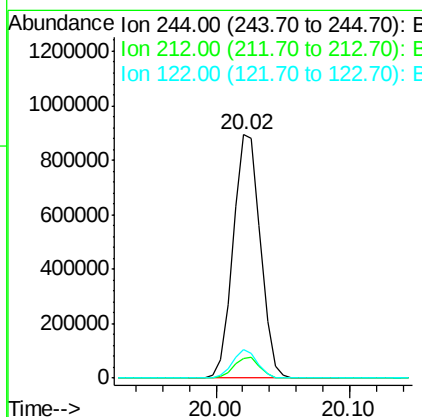
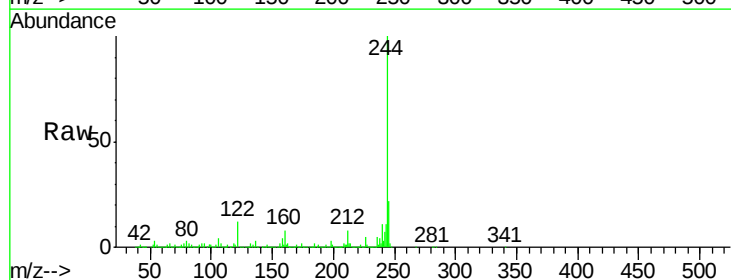
Instrument :
BNA_G
ClientSampleId :

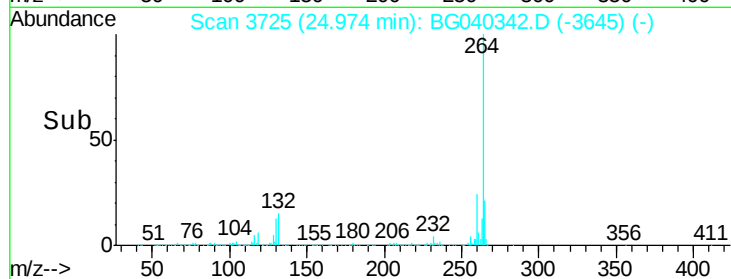
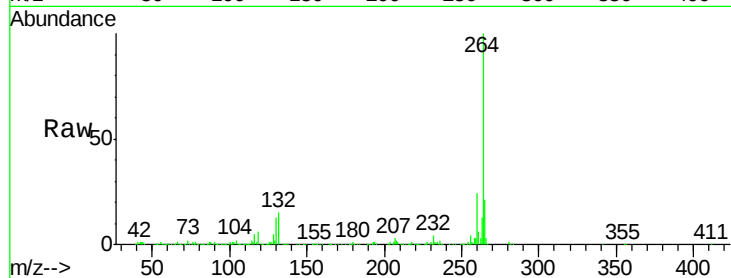
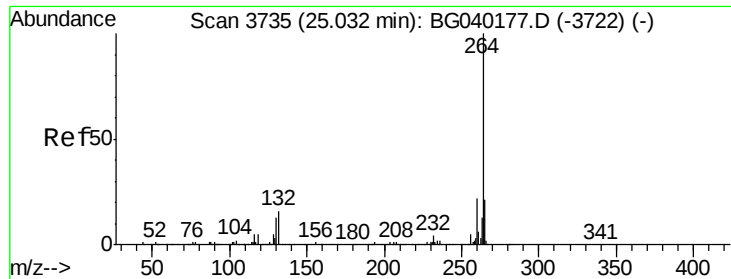
Tot Ion:240 Resp: 440529
Ion Ratio Lower Upper
240 100
120 10.1 8.4 12.6
236 25.1 20.8 31.2



#79
Terphenyl-d14
Concen: 64.665 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.03 min
Lab File: BG040342.D
Acq: 4 Apr 2019 1:52

Tgt Ion:244 Resp: 1266284
Ion Ratio Lower Upper
244 100
212 8.0 7.0 10.6
122 11.6 8.5 12.7





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.97 min Scan# 3725
 Delta R.T. -0.06 min
 Lab File: BG040342.D
 Acq: 4 Apr 2019 1:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.9	26.9
265	21.2	16.8	25.2

