

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043606.D
 Acq On : 12 Nov 2019 6:45
 Operator : JU
 Sample : K5762-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 12 07:49:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

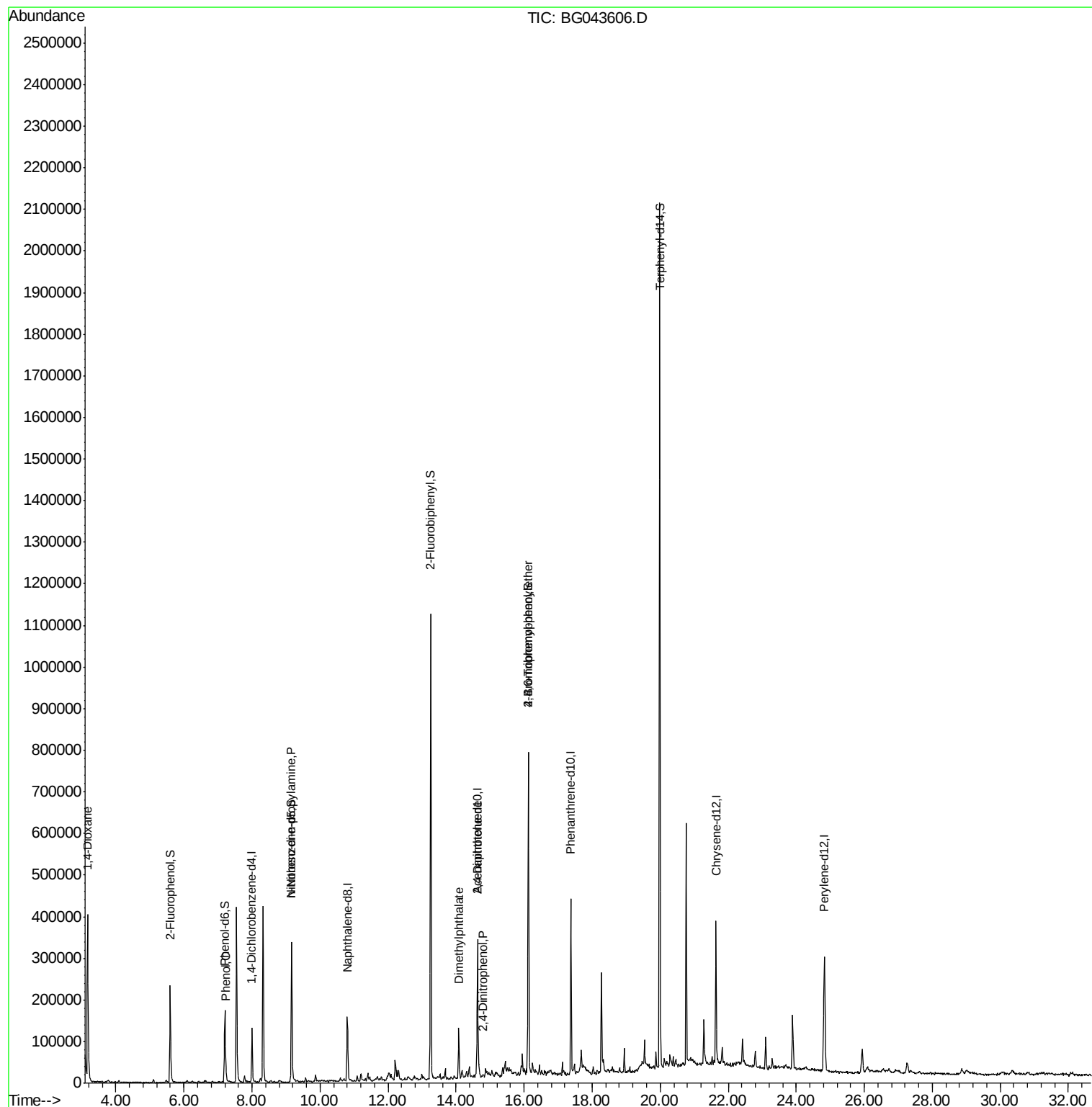
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	36845	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	141972	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	111496	20.00	ng	-0.01
64) Phenanthrene-d10	17.38	188	270709	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	212682	20.00	ng	-0.01
87) Perylene-d12	24.83	264	251462	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	118847	59.11	ng	0.00
7) Phenol-d6	7.20	99	110424	38.17	ng	0.00
23) Nitrobenzene-d5	9.16	82	221566	80.46	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	181298	85.45	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	620078	76.85	ng	-0.01
79) Terphenyl-d14	19.99	244	1105129	97.48	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.17	88	5111	6.523	ng	# 1
10) Phenol	7.22	94	21525	8.143	ng	# 96
19) n-Nitroso-di-n-propylamine	9.16	70	31151	16.664	ng	# 83
50) Dimethylphthalate	14.08	163	80579	9.330	ng	# 98
54) 2,4-Dinitrophenol	14.77	184	257	7.482	ng	# 22
57) 2,4-Dinitrotoluene	14.63	165	15256	5.690	ng	# 30
67) 4-Bromophenyl-phenylether	16.13	248	11464	3.147	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: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

Instrument :

BNA_G

ClientSampleId :

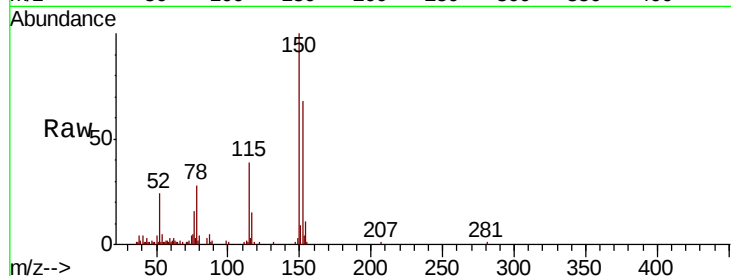
Tot Ion:152 Resp: 36845

Ion Ratio Lower Upper

152 100

150 146.1 129.4 194.0

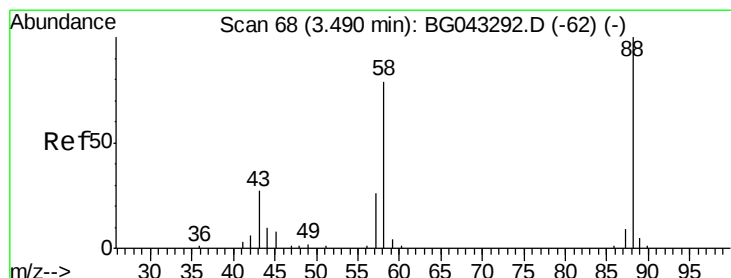
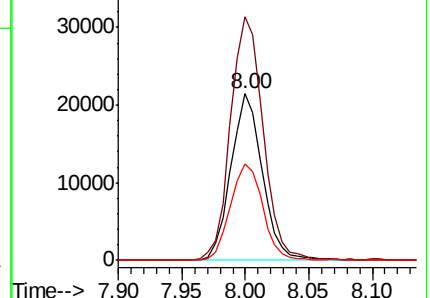
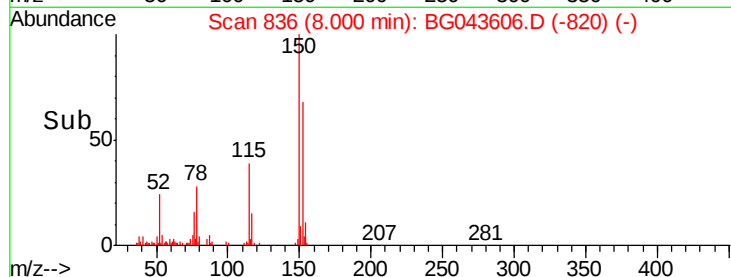
115 57.5 48.8 73.2



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



#2

1,4-Dioxane

Concen: 6.523 ng

RT: 3.17 min Scan# 14

Delta R.T. -0.30 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

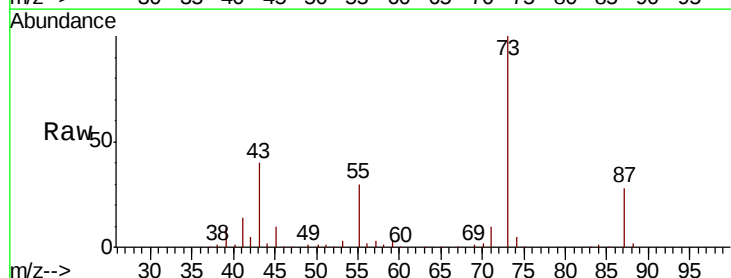
Tgt Ion: 88 Resp: 5111

Ion Ratio Lower Upper

88 100

58 45.7 62.7 94.1#

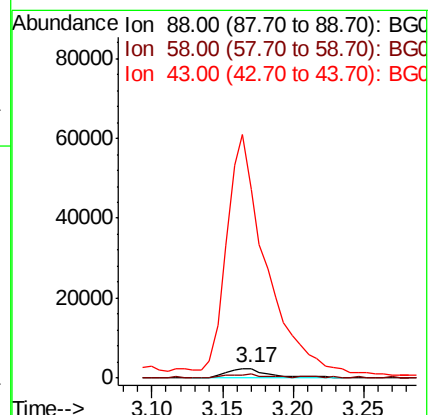
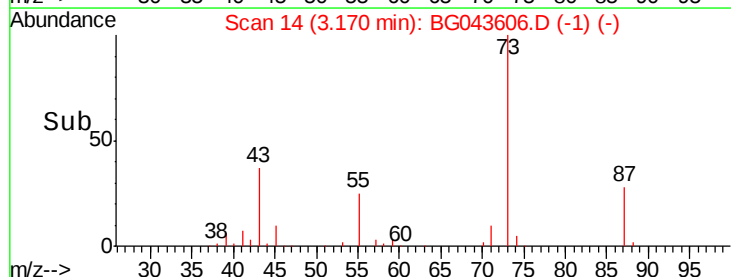
43 2332.4 23.7 35.5#

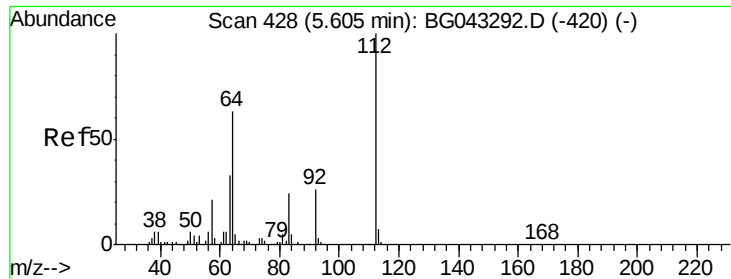


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 59.107 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

Instrument :

BNA_G

ClientSampleId :

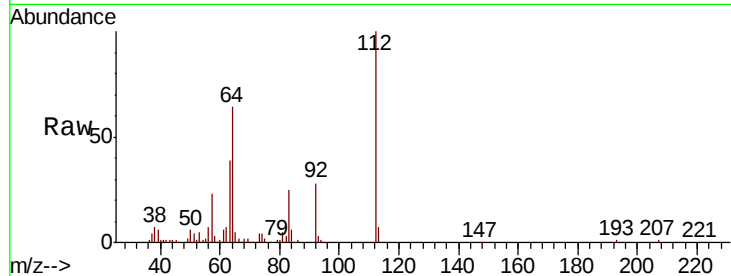
Tot Ion:112 Resp: 118847

Ion Ratio Lower Upper

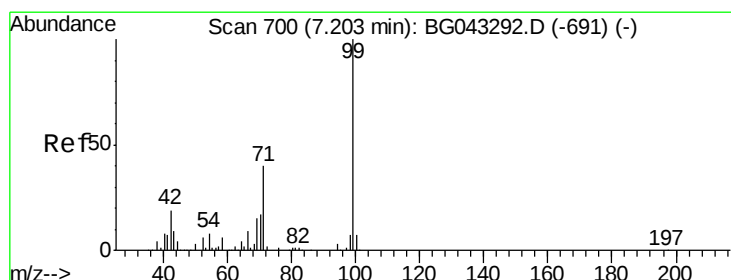
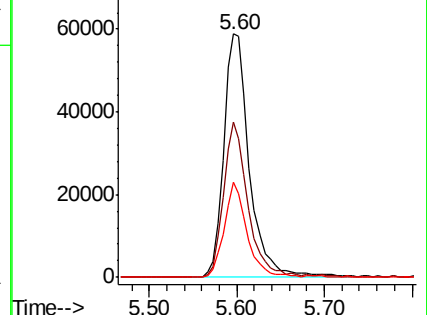
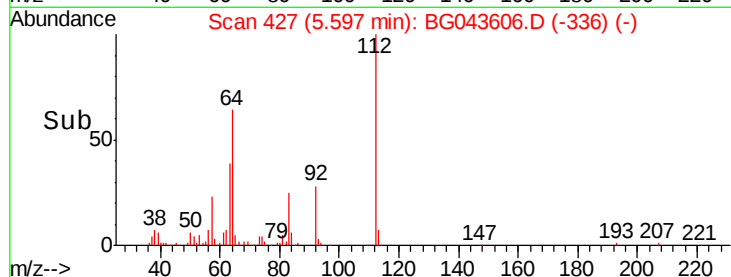
112 100

64 63.7 50.0 75.0

63 38.9 26.6 40.0



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



#7

Phenol-d6

Concen: 38.170 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

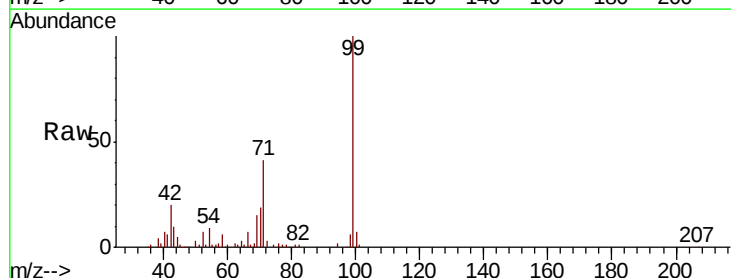
Tgt Ion: 99 Resp: 110424

Ion Ratio Lower Upper

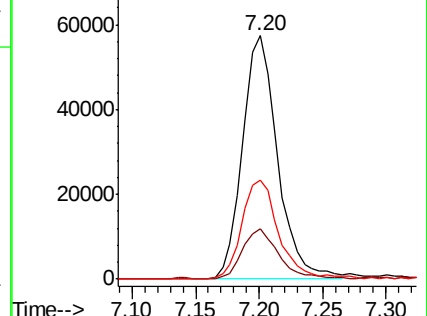
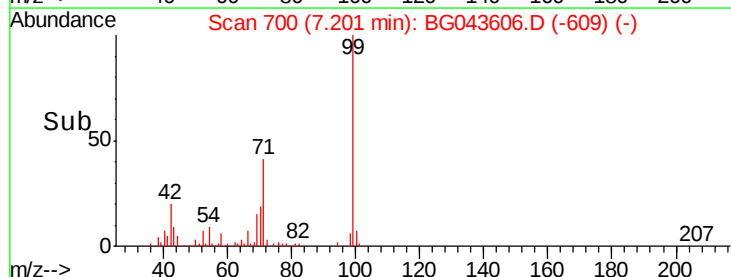
99 100

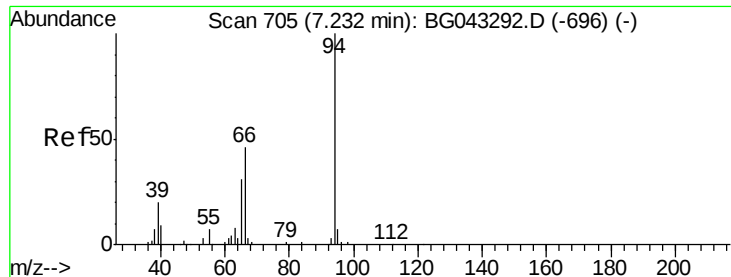
42 20.4 14.6 21.8

71 40.9 32.5 48.7



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: 8.143 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

Instrument :

BNA_G

ClientSampled :

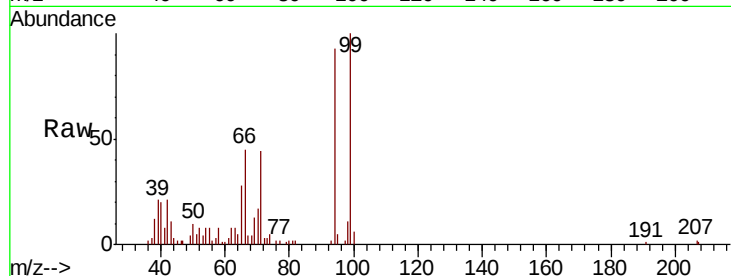
Tot Ion: 94 Resp: 21525

Ion Ratio Lower Upper

94 100

65 30.6 12.6 52.6

66 48.3 30.7 70.7

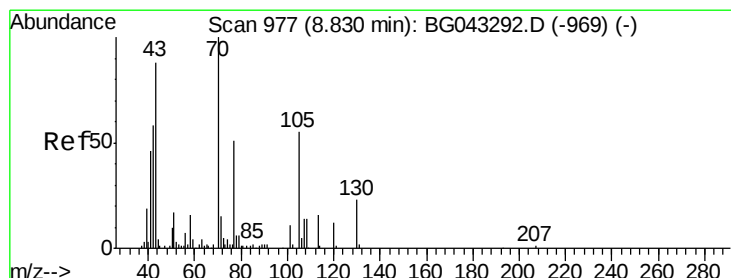
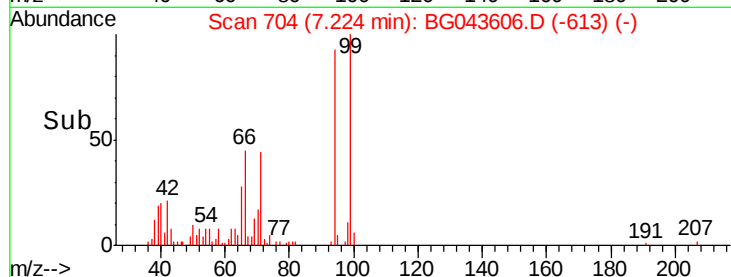
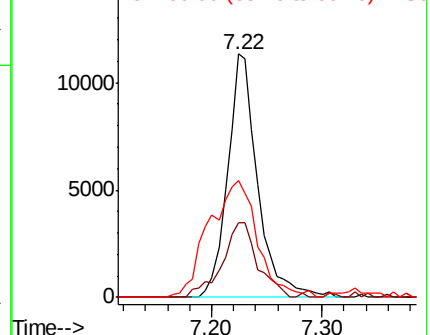


Abundance

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: 16.664 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

Tgt Ion: 70 Resp: 31151

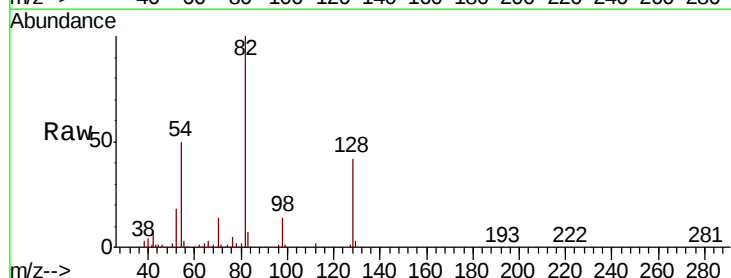
Ion Ratio Lower Upper

70 100

42 49.0 41.4 62.2

101 0.0 7.9 11.9#

130 3.2 19.0 28.4#



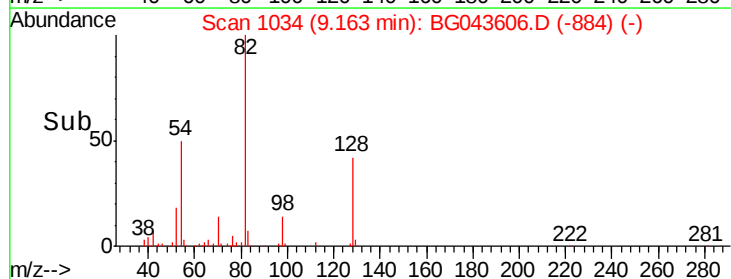
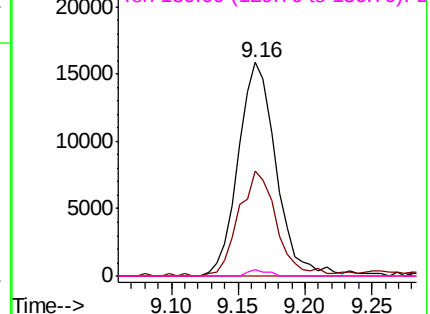
Abundance

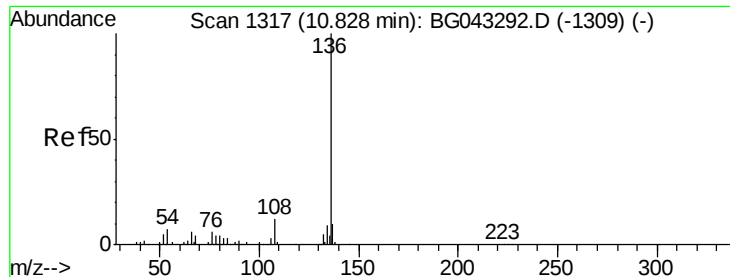
Ion 70.00 (69.70 to 70.70): BGC

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: 10.80 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 141972

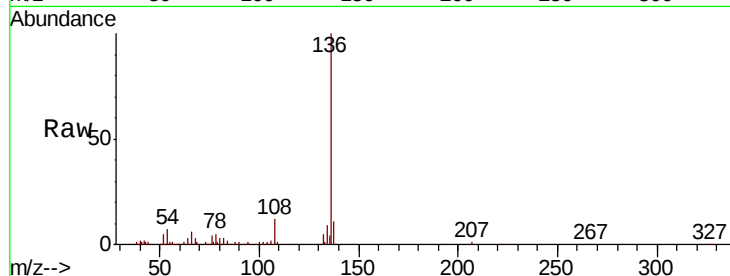
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.9 5.4 8.2

68 3.4 3.0 4.4

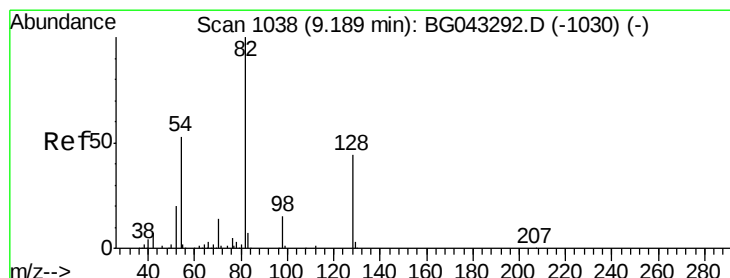
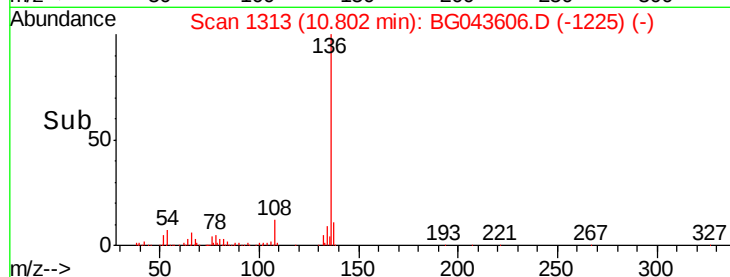
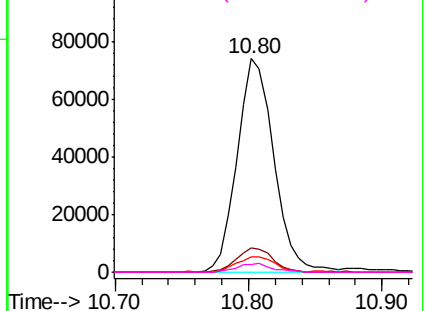


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.458 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

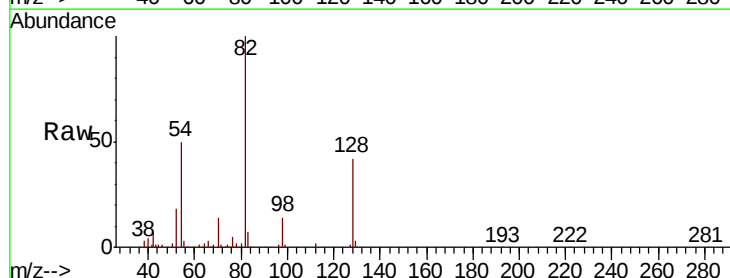
Tgt Ion: 82 Resp: 221566

Ion Ratio Lower Upper

82 100

128 42.3 35.0 52.6

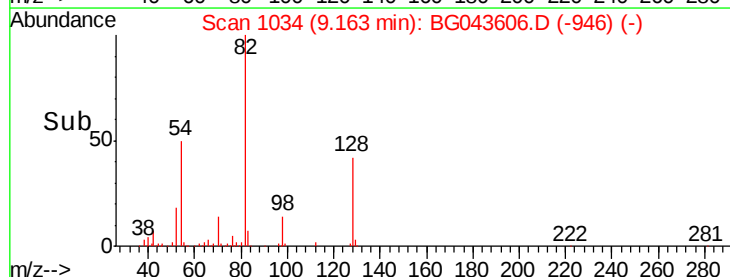
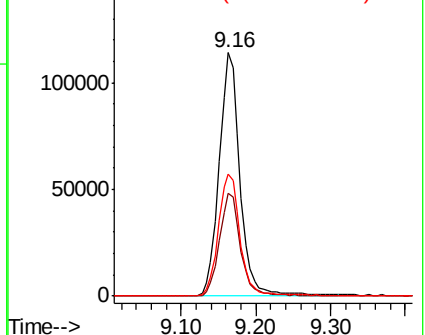
54 50.1 40.2 60.2

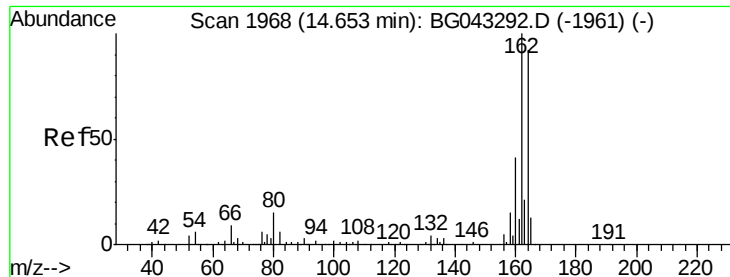


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

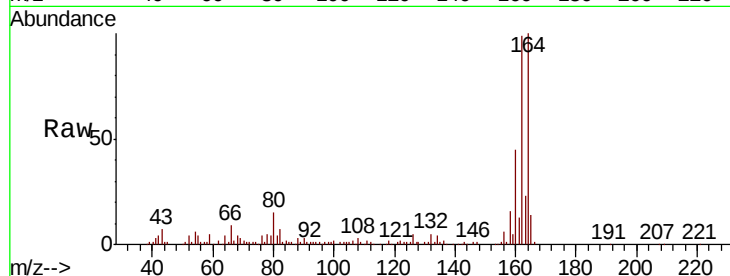




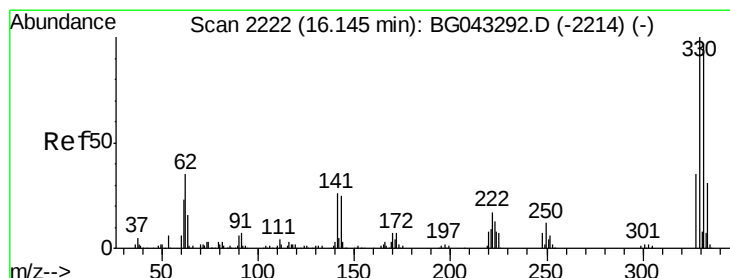
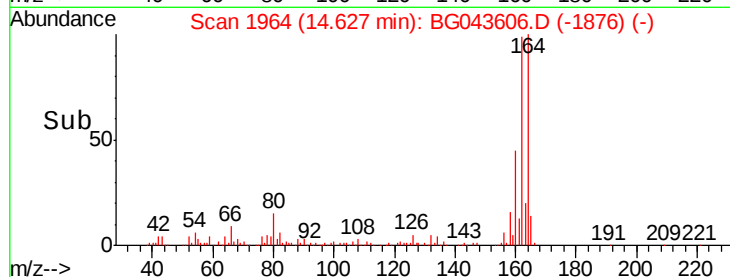
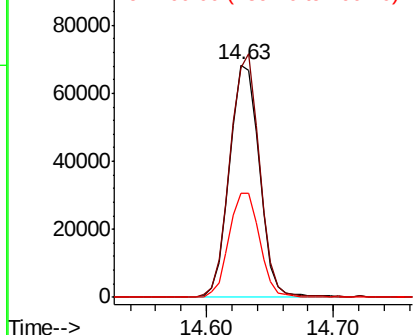
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG043606.D
Acq: 12 Nov 2019 6:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 111496
Ion Ratio Lower Upper
164 100
162 98.9 83.5 125.3
160 44.9 36.5 54.7

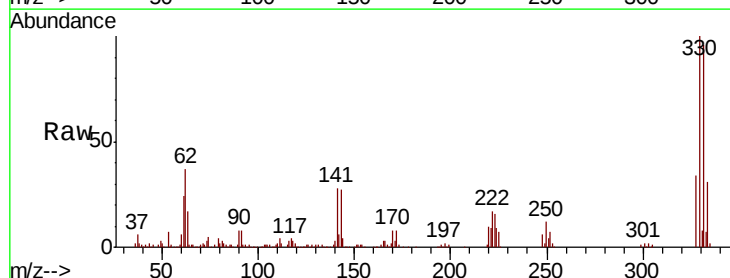


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

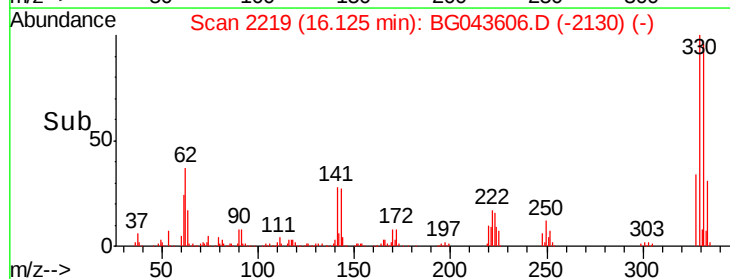
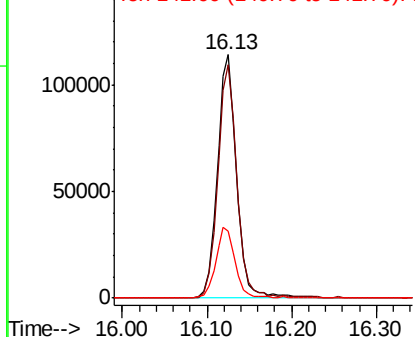


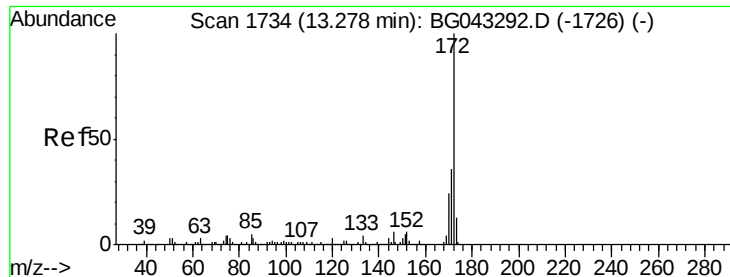
#42
2,4,6-Tribromophenol
Concen: 85.446 ng
RT: 16.13 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG043606.D
Acq: 12 Nov 2019 6:45

Tgt Ion:330 Resp: 181298
Ion Ratio Lower Upper
330 100
332 95.1 77.4 116.0
141 29.3 22.8 34.2



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

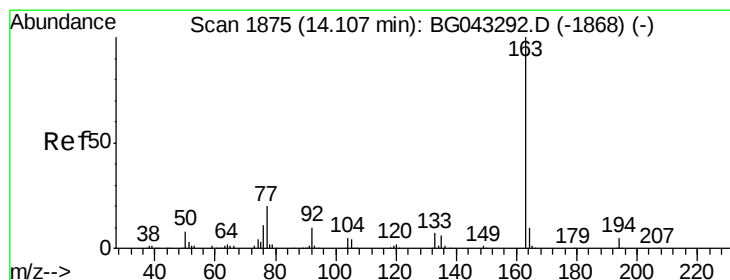
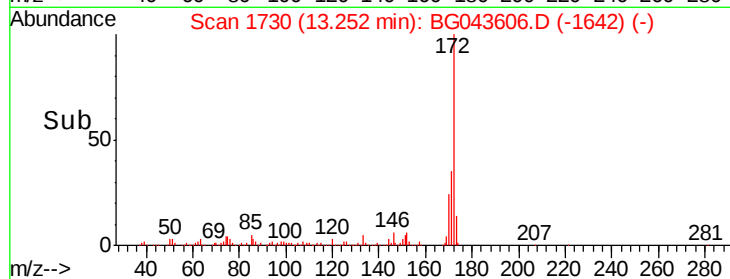
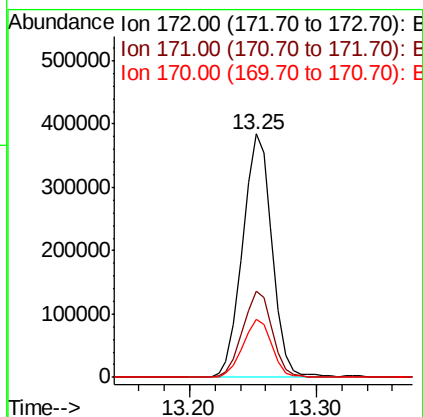
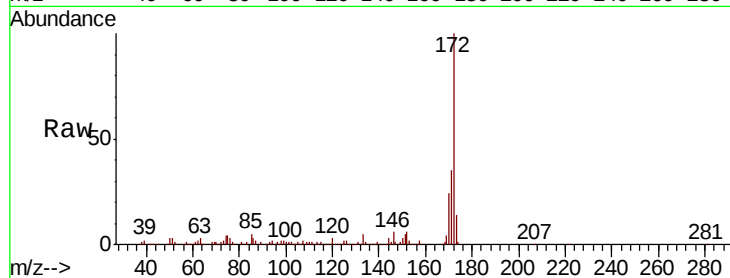




#45
2-Fluorobiphenyl
Concen: 76.848 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG043606.D
Acq: 12 Nov 2019 6:45

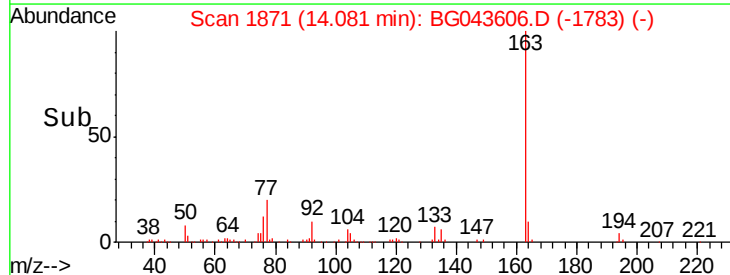
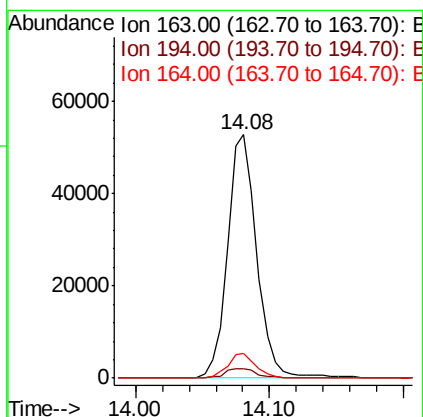
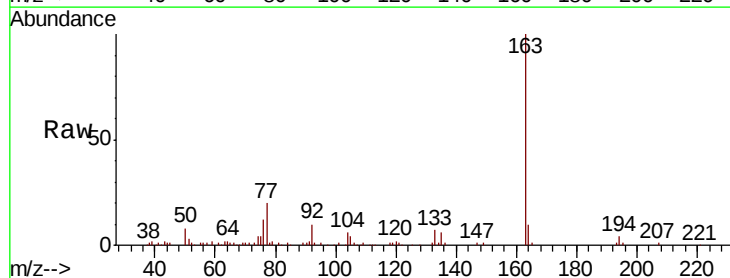
Instrument :
BNA_G
ClientSampleId :

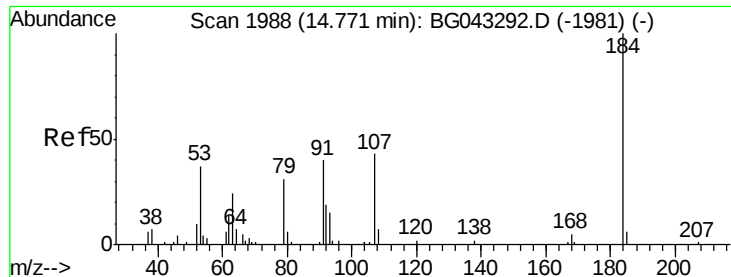
Tot Ion:172 Resp: 620078
Ion Ratio Lower Upper
172 100
171 35.3 28.9 43.3
170 23.6 18.5 27.7



#50
Dimethylphthalate
Concen: 9.330 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG043606.D
Acq: 12 Nov 2019 6:45

Tgt Ion:163 Resp: 80579
Ion Ratio Lower Upper
163 100
194 4.0 3.8 5.6
164 10.1 8.9 13.3

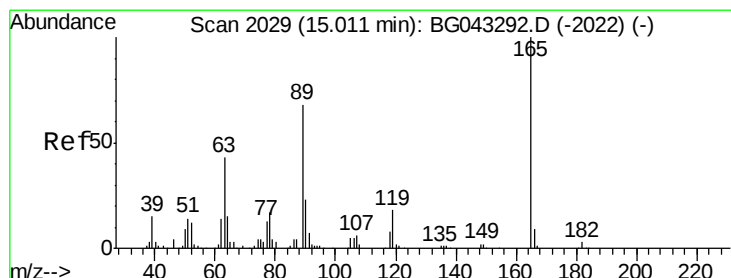
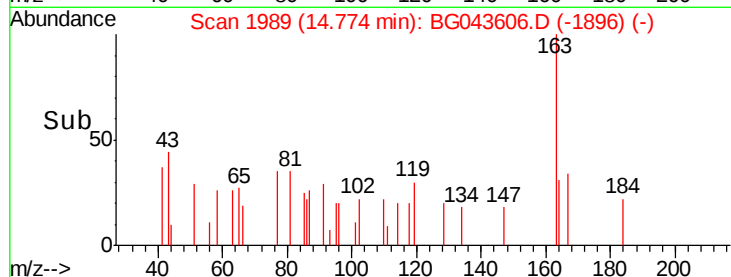
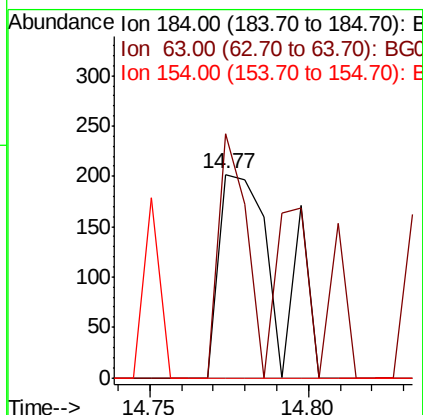
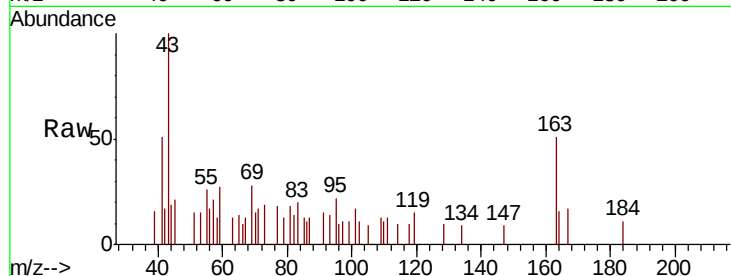




#54
 2,4-Dinitrophenol
 Concen: 7.482 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.02 min
 Lab File: BG043606.D
 Acq: 12 Nov 2019 6:45

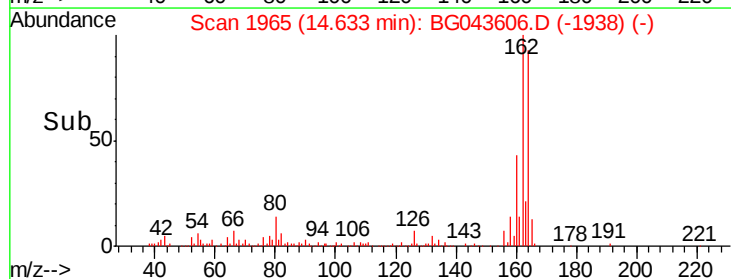
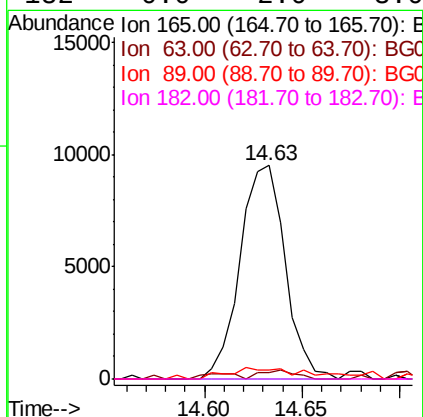
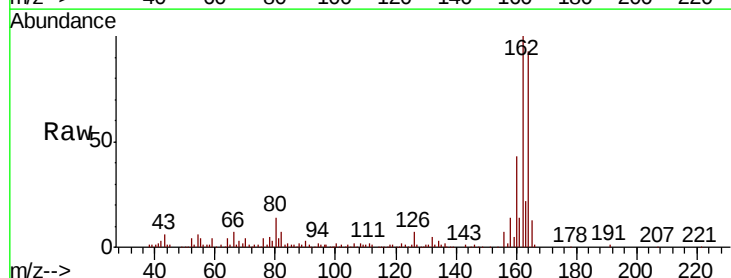
Instrument :
 BNA_G
 ClientSampled :

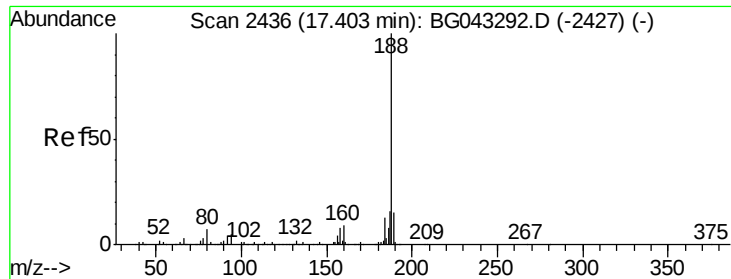
Tot Ion:184 Resp: 257
 Ion Ratio Lower Upper
 184 100
 63 119.8 51.3 76.9#
 154 0.0 55.4 83.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.690 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.37 min
 Lab File: BG043606.D
 Acq: 12 Nov 2019 6:45

Tgt Ion:165 Resp: 15256
 Ion Ratio Lower Upper
 165 100
 63 3.0 33.2 49.8#
 89 4.2 52.2 78.4#
 182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

Instrument :

BNA_G

ClientSampleId :

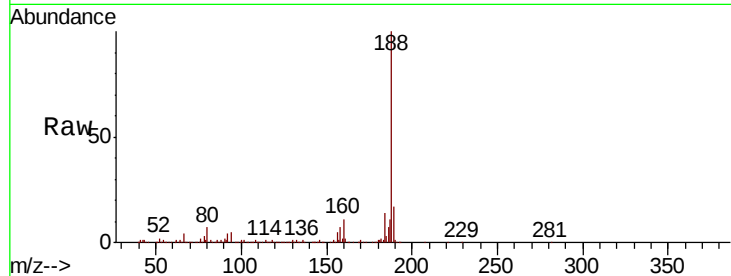
Tot Ion:188 Resp: 270709

Ion Ratio Lower Upper

188 100

94 5.3 4.2 6.4

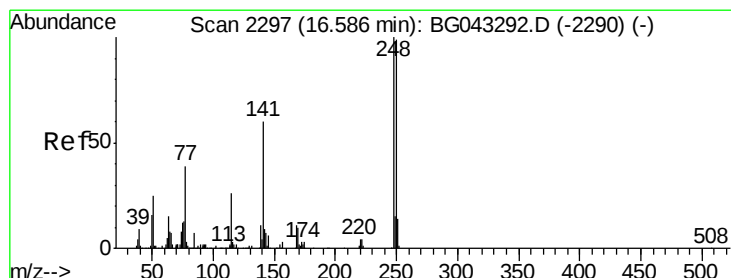
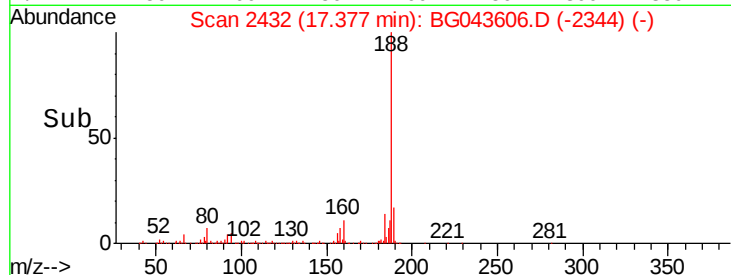
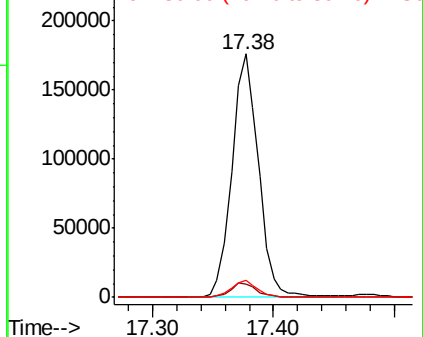
80 7.0 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.147 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG043606.D

Acq: 12 Nov 2019 6:45

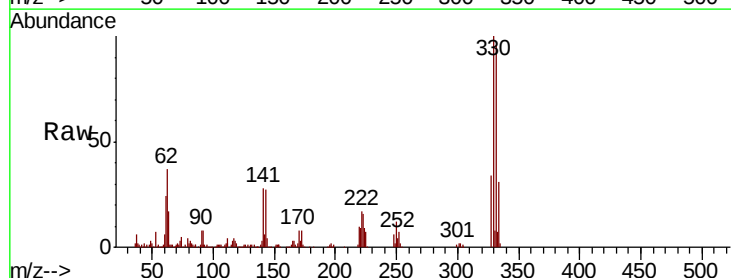
Tgt Ion:248 Resp: 11464

Ion Ratio Lower Upper

248 100

250 183.6 77.0 115.4#

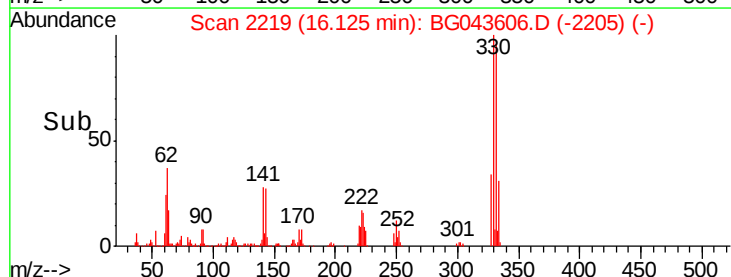
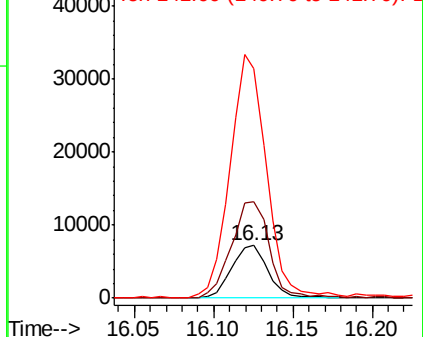
141 437.3 47.5 71.3#

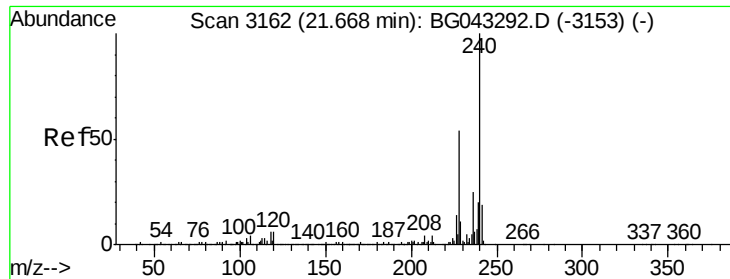


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

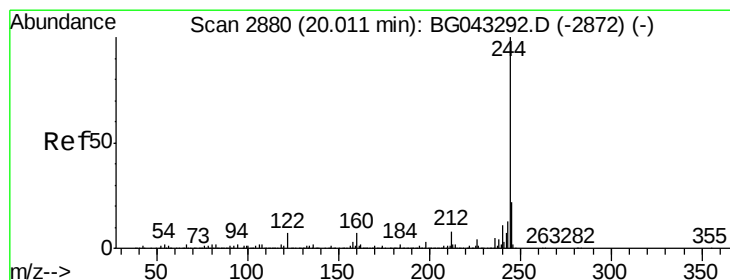
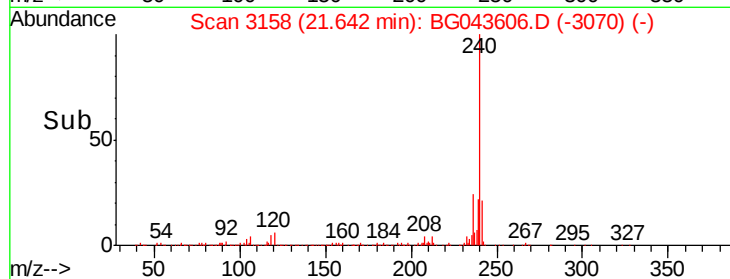
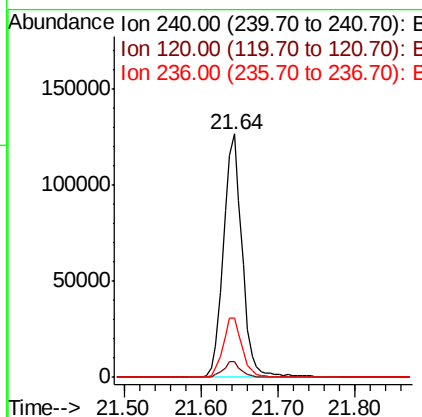
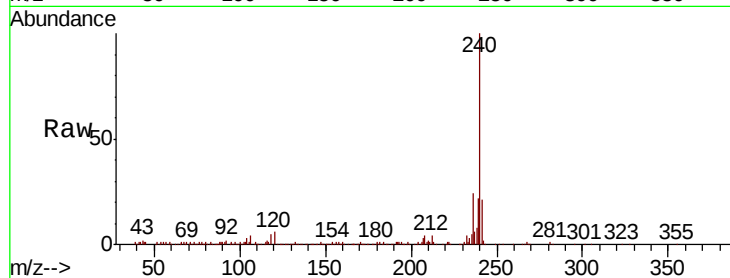




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.01 min
 Lab File: BG043606.D
 Acq: 12 Nov 2019 6:45

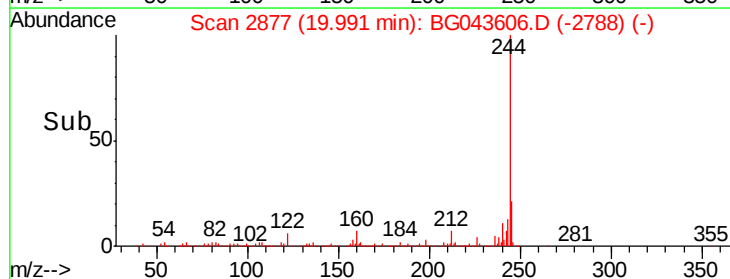
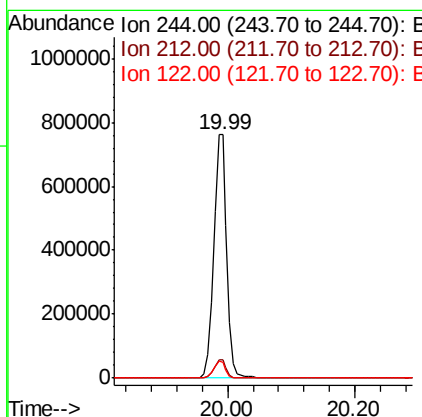
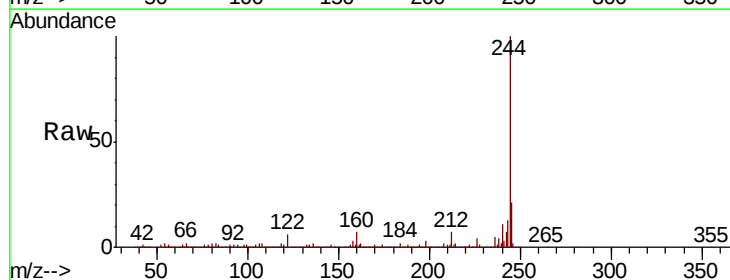
Instrument :
 BNA_G
 ClientSampleId :

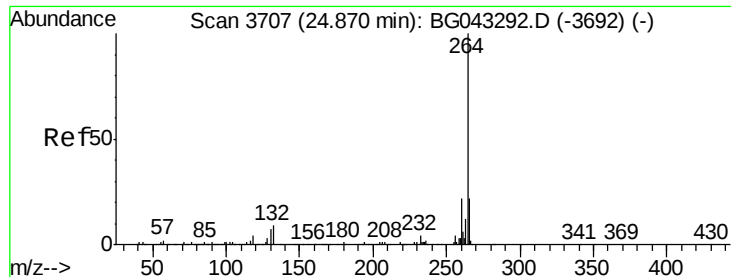
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.3	4.6	6.8
236	24.3	19.8	29.8



#79
 Terphenyl-d14
 Concen: 97.483 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.01 min
 Lab File: BG043606.D
 Acq: 12 Nov 2019 6:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	6.4	5.4	8.2





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3700
 Delta R.T. -0.03 min
 Lab File: BG043606.D
 Acq: 12 Nov 2019 6:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
251462	264	100		
	260	24.5	17.5	26.3
	265	21.1	17.4	26.0

