

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\
 Data File : BG043801.D
 Acq On : 11 Dec 2019 18:49
 Operator : JU
 Sample : K6242-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-COMP

Quant Time: Dec 12 02:20:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

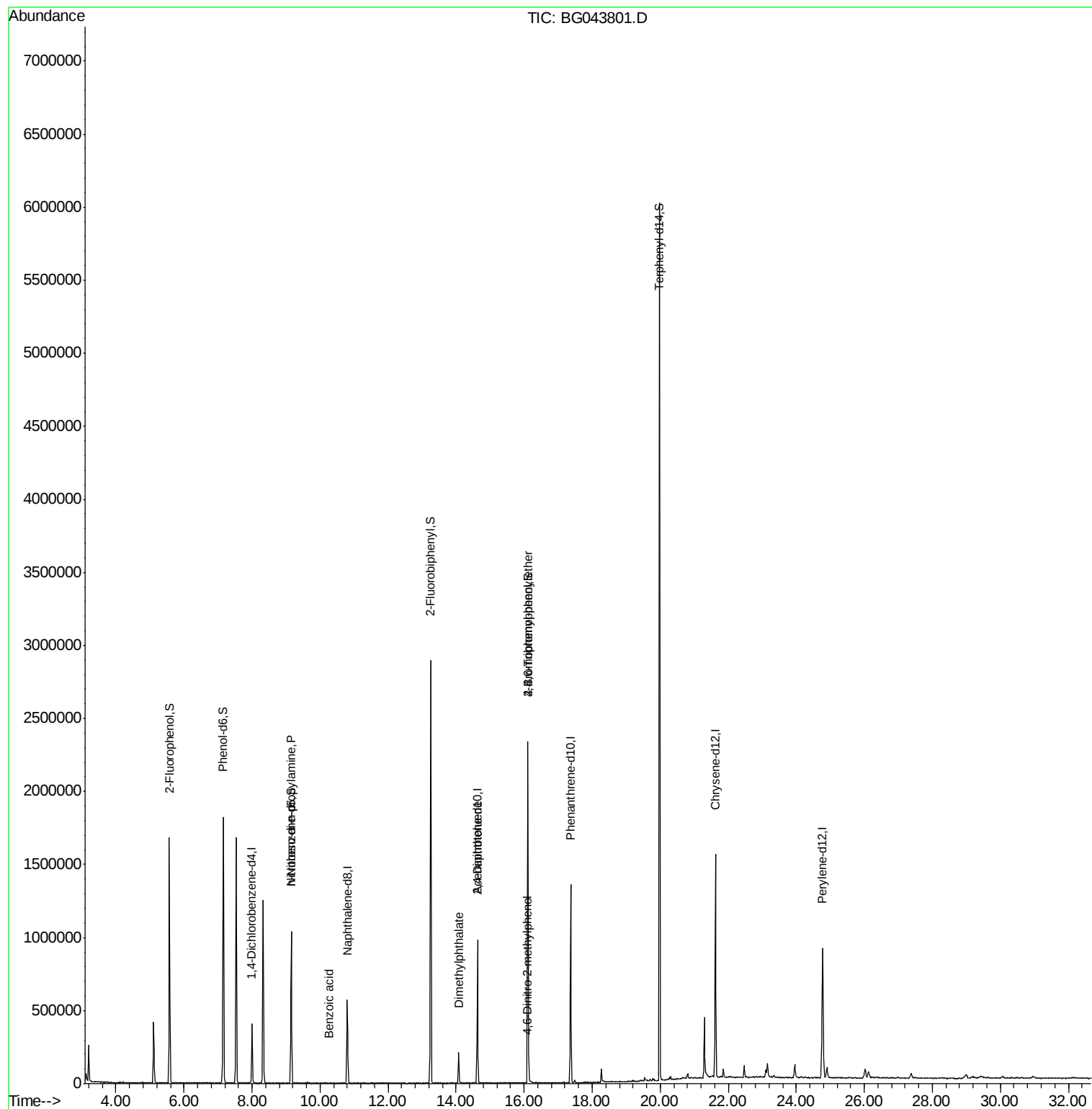
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	120039	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	507678	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	350906	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	867868	20.00	ng	0.00
76) Chrysene-d12	21.62	240	823535	20.00	ng	0.00
87) Perylene-d12	24.77	264	902433	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	758476	119.72	ng	0.00
7) Phenol-d6	7.15	99	1090458	119.35	ng	0.00
23) Nitrobenzene-d5	9.15	82	630738	69.76	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	397289	118.76	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1486228	74.40	ng	0.00
79) Terphenyl-d14	19.98	244	2492598	72.82	ng	0.00
Target Compounds						
9) Benzaldehyde	7.15	77	2296	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	9.15	70	81657	11.690 ng	#	78
32) Benzoic acid	10.27	122	77	5.665 ng	#	1
50) Dimethylphthalate	14.07	163	142104	5.674 ng		98
57) 2,4-Dinitrotoluene	14.63	165	45355	6.219 ng	#	25
65) 4,6-Dinitro-2-methylphenol	16.07	198	54	9.514 ng	#	16
67) 4-Bromophenyl-phenylether	16.11	248	31100	3.352 ng	#	1

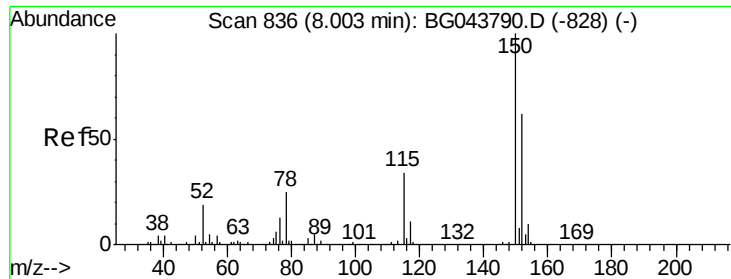
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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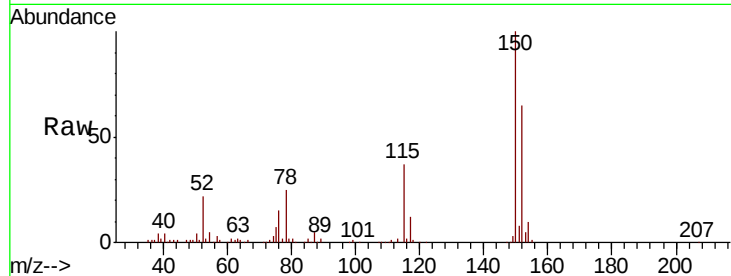


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043801.D
Acq: 11 Dec 2019 18:49

Instrument :
BNA_G
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	128.6	192.8
115	57.4	44.3	66.5

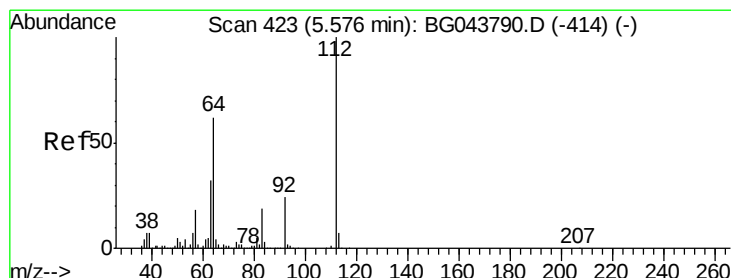
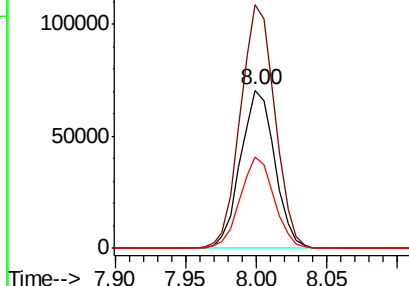
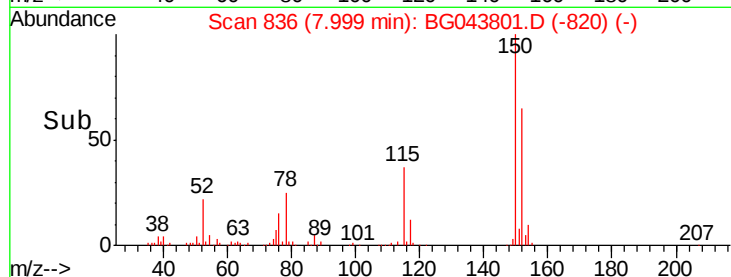


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

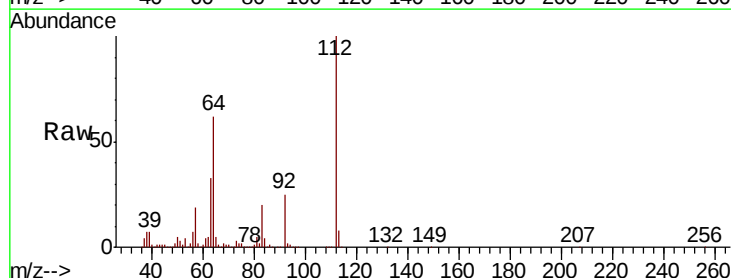
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.720 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG043801.D
Acq: 11 Dec 2019 18:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.9	74.9
63	33.4	26.0	39.0

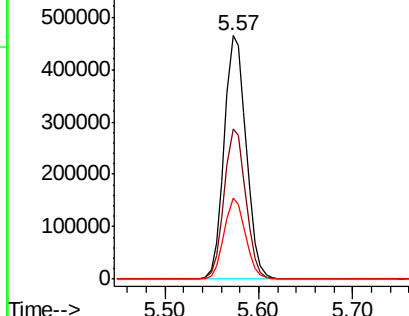
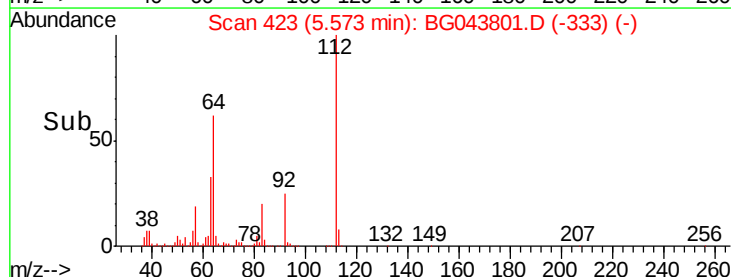


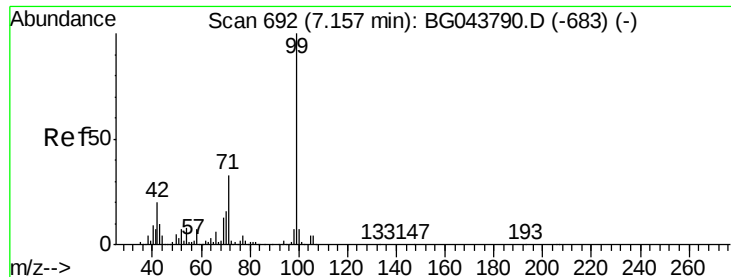
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 119.347 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

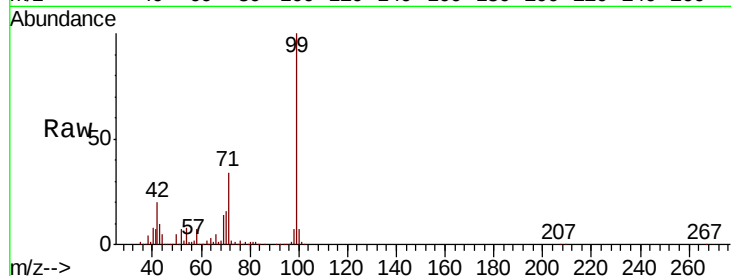
Tot Ion: 99 Resp: 1090458

Ion Ratio Lower Upper

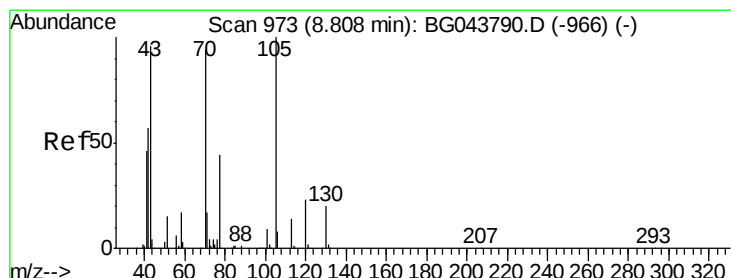
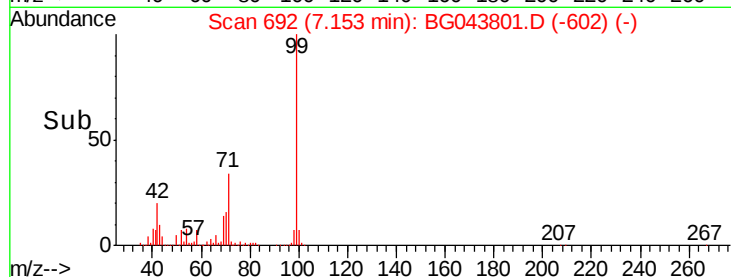
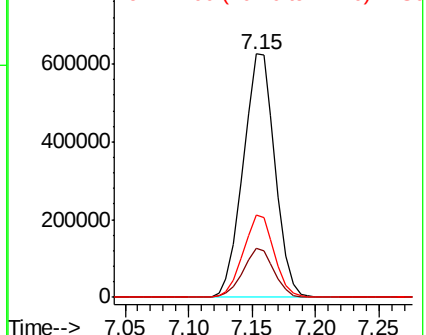
99 100

42 20.0 16.2 24.2

71 34.0 26.6 40.0



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: 11.690 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

Tgt Ion: 70 Resp: 81657

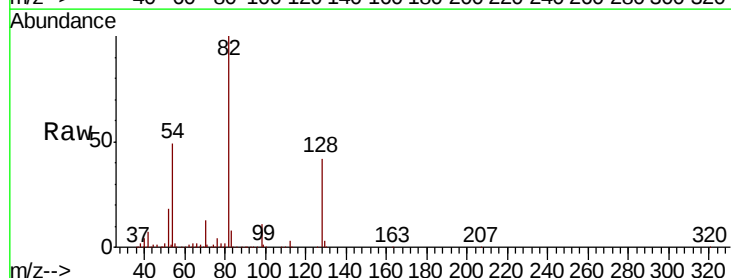
Ion Ratio Lower Upper

70 100

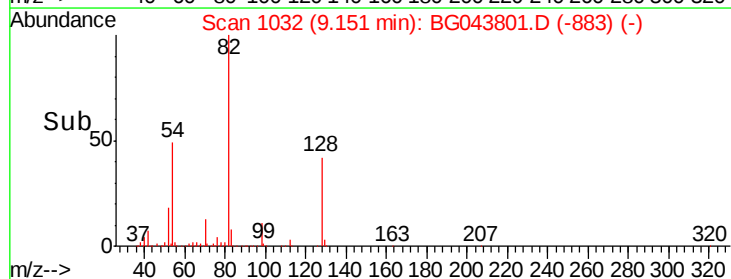
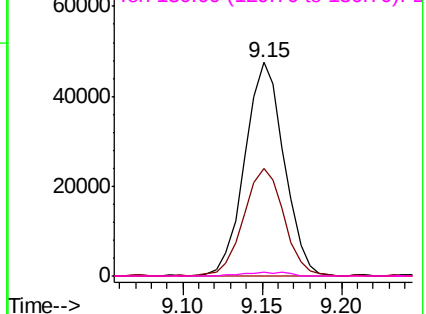
42 50.1 49.2 73.8

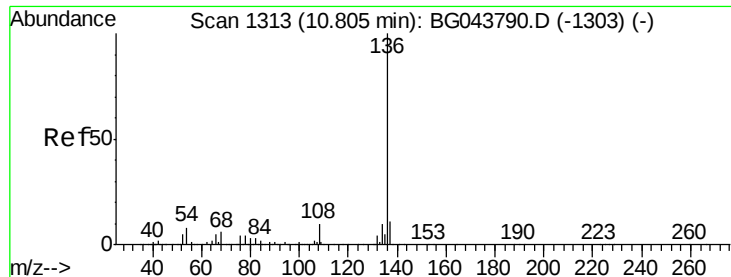
101 0.0 7.8 11.6#

130 1.6 17.0 25.6#



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. -0.00 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

Tot Ion:136 Resp: 507678

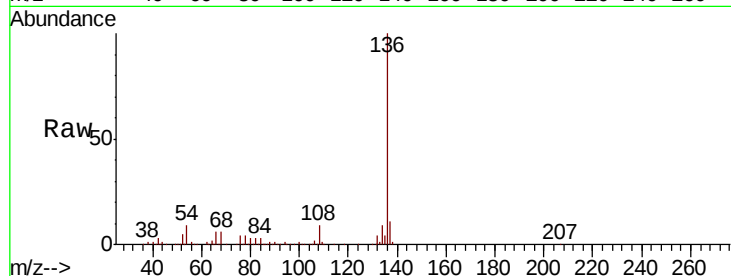
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 8.8 6.8 10.2

68 5.9 5.0 7.4

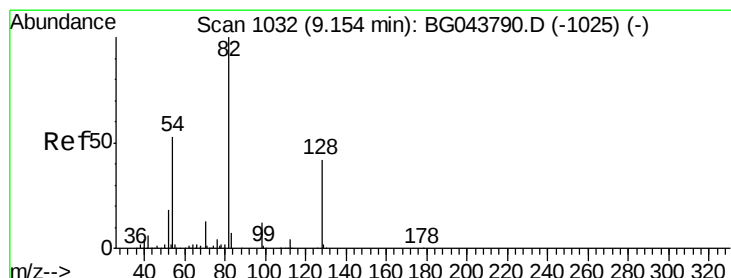
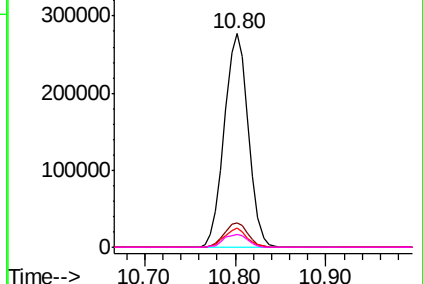
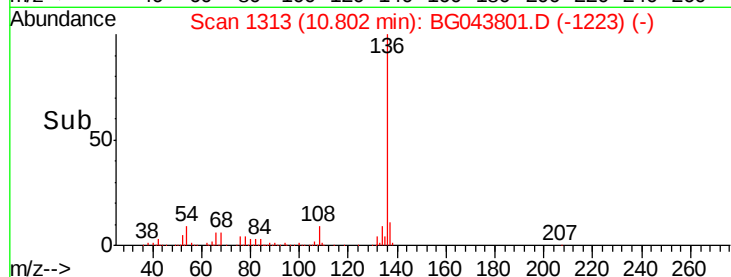


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.757 ng

RT: 9.15 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

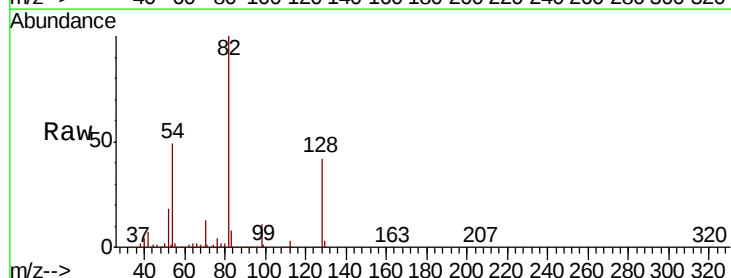
Tgt Ion: 82 Resp: 630738

Ion Ratio Lower Upper

82 100

128 42.0 33.6 50.4

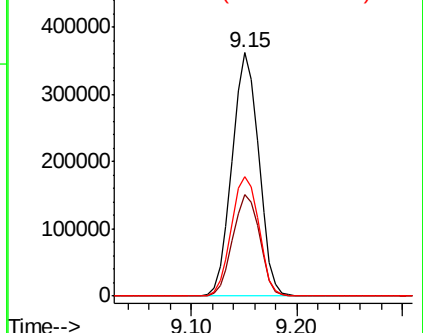
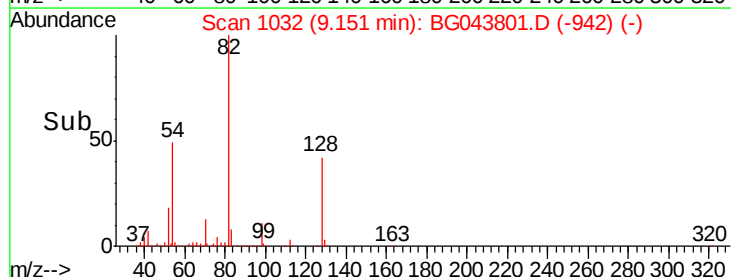
54 49.3 42.1 63.1

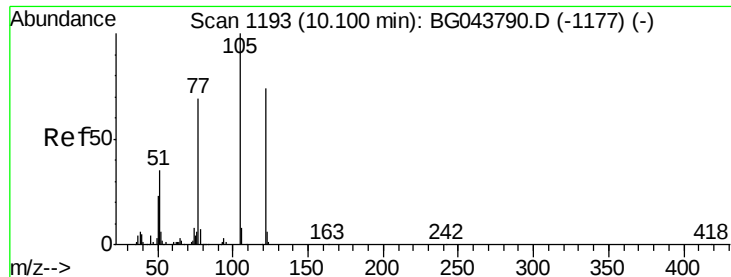


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.665 ng

RT: 10.27 min Scan# 1223

Delta R.T. 0.17 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

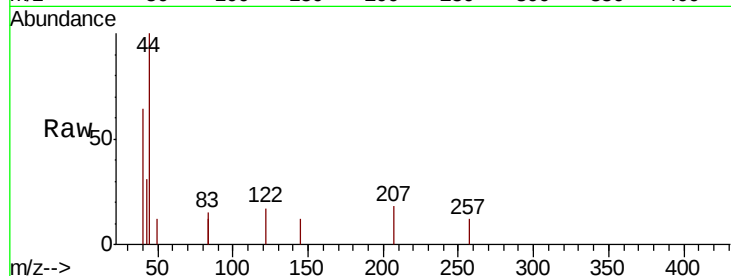
Tot Ion:122 Resp: 77

Ion Ratio Lower Upper

122 100

105 0.0 107.5 147.5#

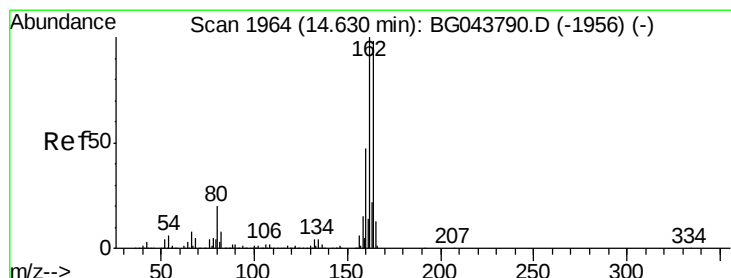
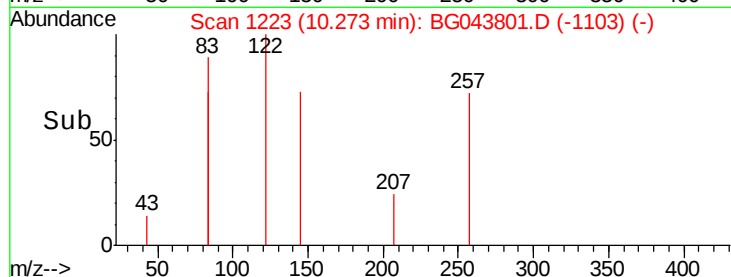
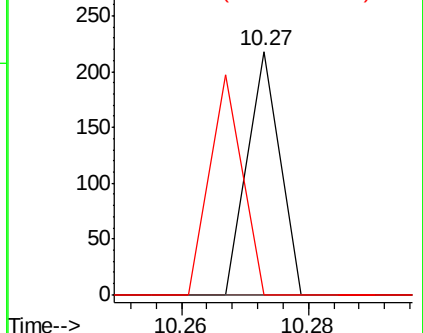
77 0.0 71.7 111.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

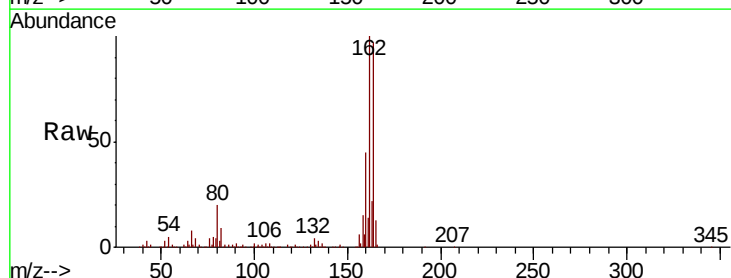
Tgt Ion:164 Resp: 350906

Ion Ratio Lower Upper

164 100

162 102.9 81.9 122.9

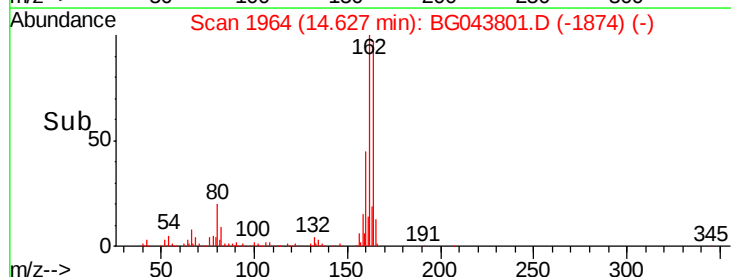
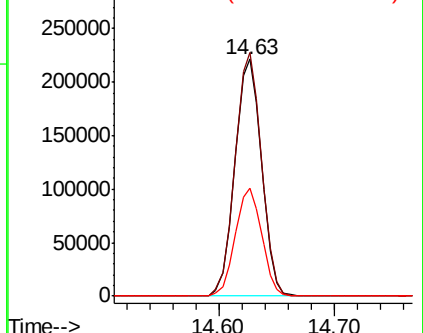
160 45.9 38.3 57.5

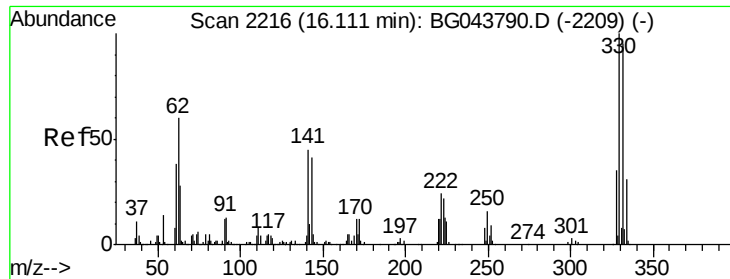


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

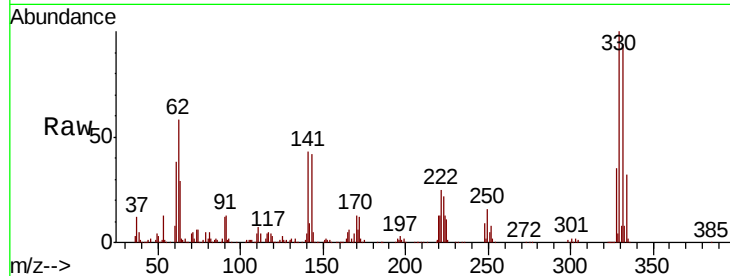




#42
 2,4,6-Tribromophenol
 Concen: 118.758 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG043801.D
 Acq: 11 Dec 2019 18:49

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	41.0	33.8	50.8

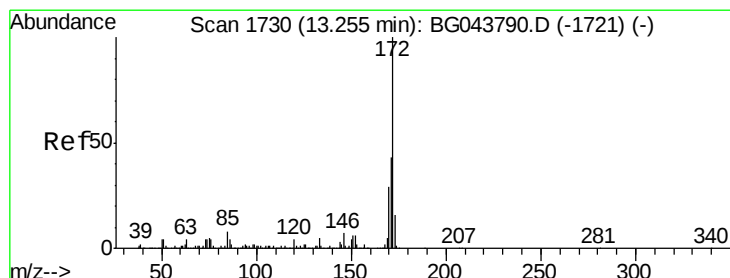
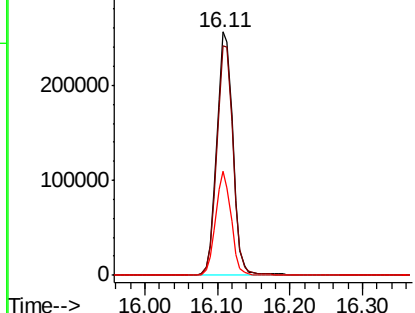
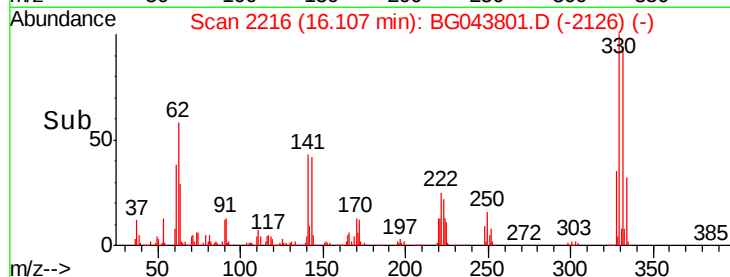


Abundance

Ion 329.80 (329.50 to 330.50): E

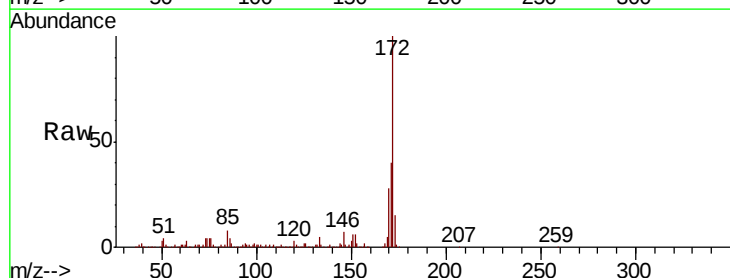
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 74.398 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG043801.D
 Acq: 11 Dec 2019 18:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.4	34.6	51.8
170	28.2	23.3	34.9

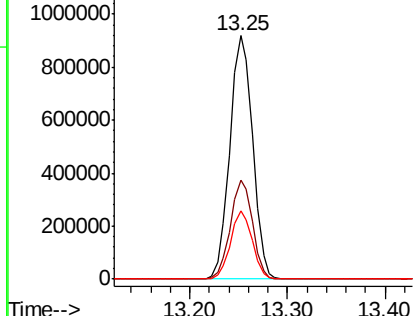
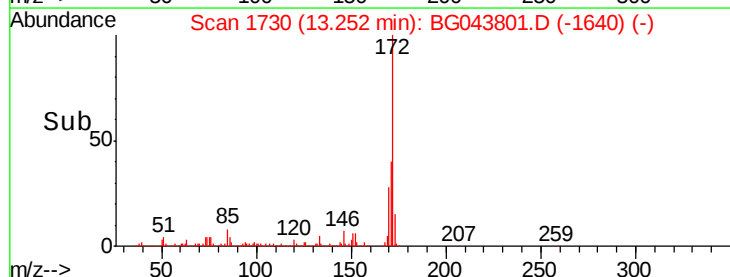


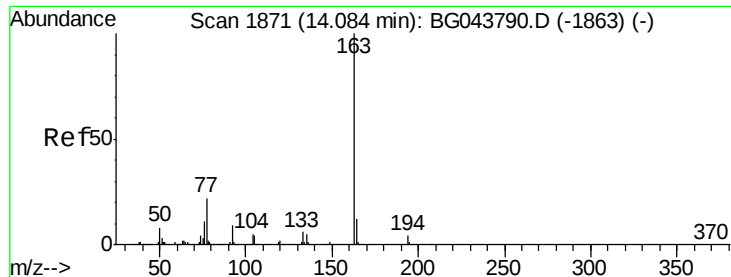
Abundance

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

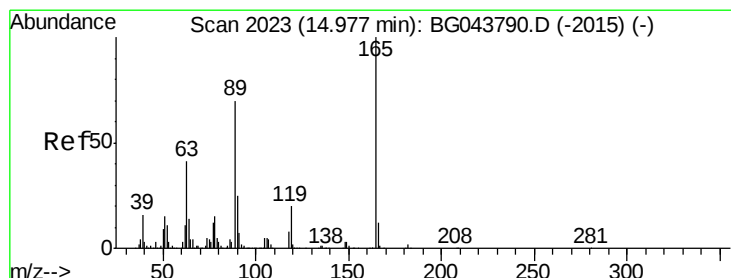
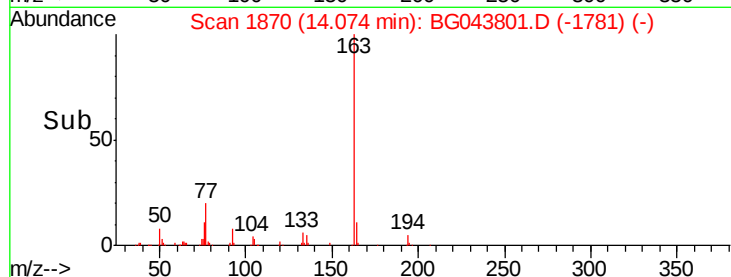
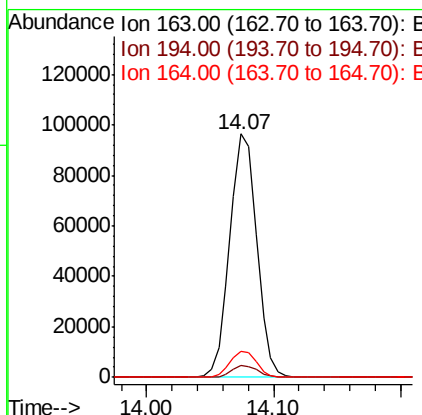
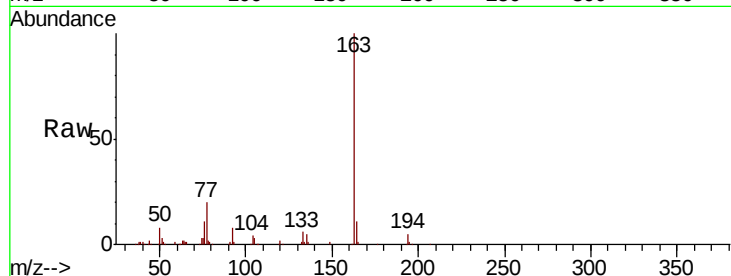




#50
Dimethylphthalate
Concen: 5.674 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG043801.D
Acq: 11 Dec 2019 18:49

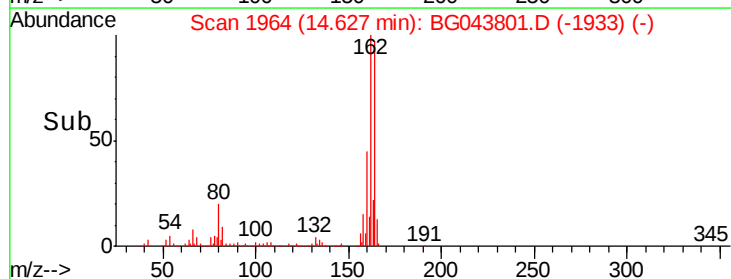
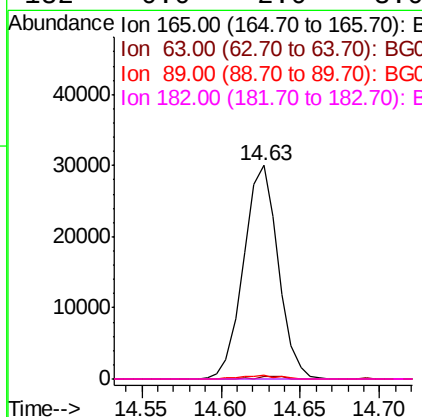
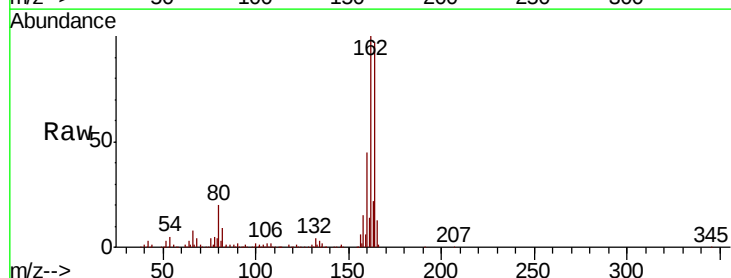
Instrument :
BNA_G
ClientSampleId :
SB-01-COMP

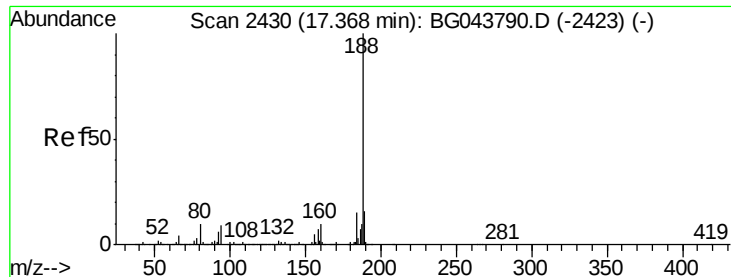
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.6	5.4
164	10.8	9.4	14.0



#57
2,4-Dinitrotoluene
Concen: 6.219 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.35 min
Lab File: BG043801.D
Acq: 11 Dec 2019 18:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.7	49.1#
89	1.7	56.1	84.1#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

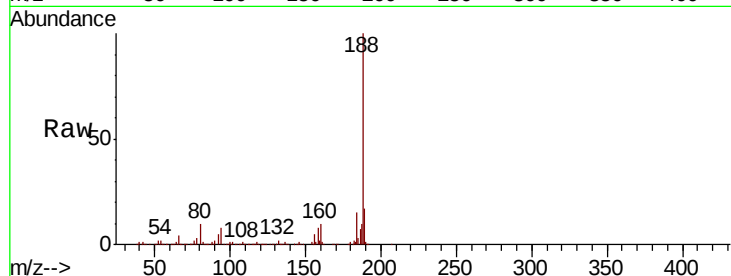
Tot Ion:188 Resp: 867868

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

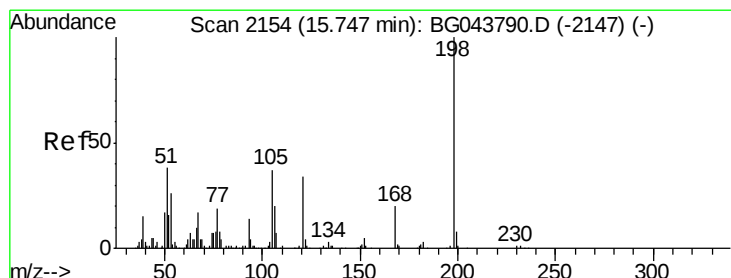
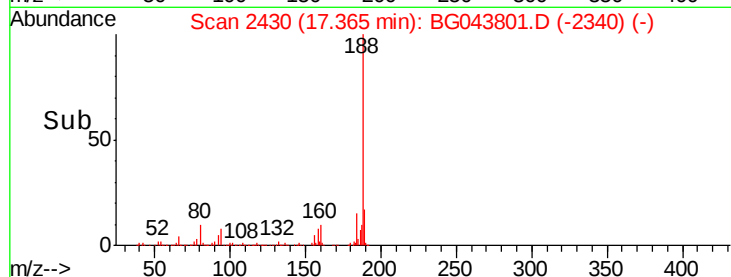
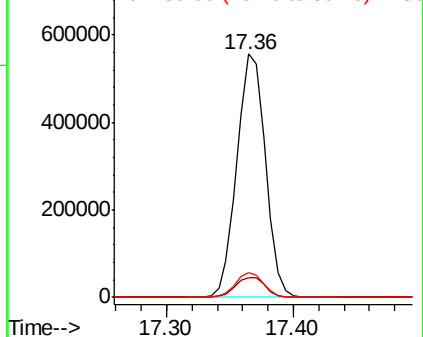
80 10.1 7.8 11.8



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: 9.514 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.33 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

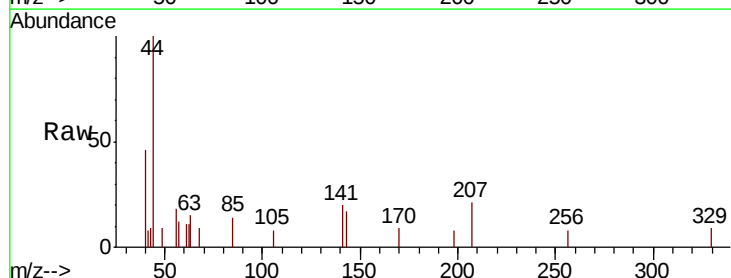
Tgt Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 18.9 58.9#

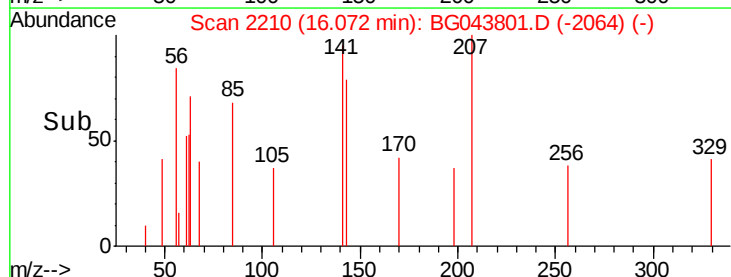
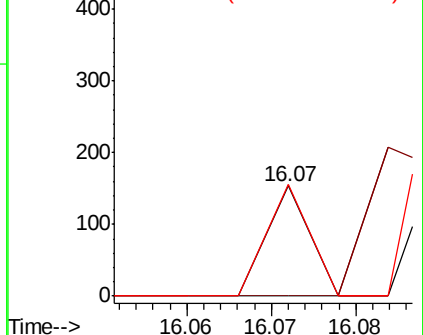
105 101.3 18.1 58.1#

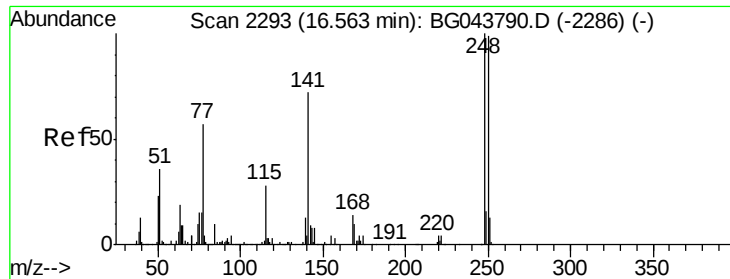


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

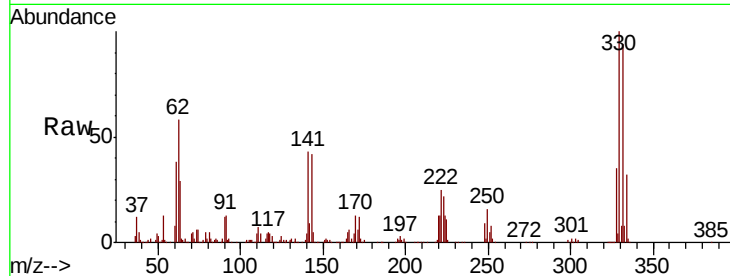




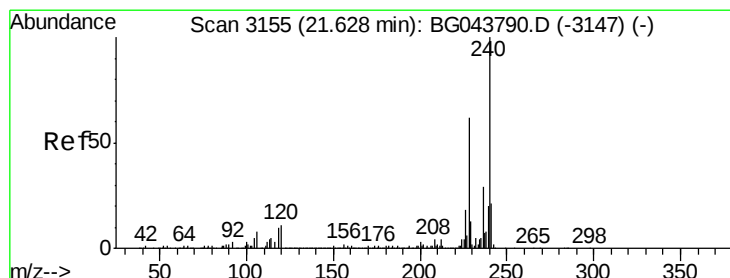
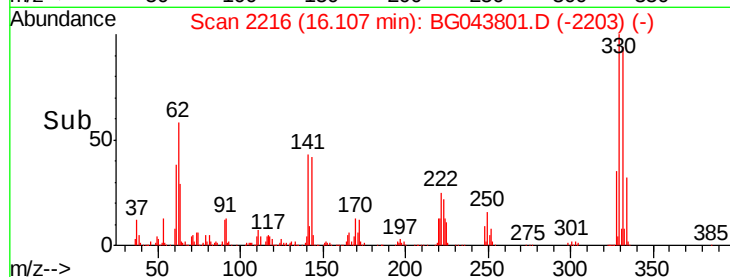
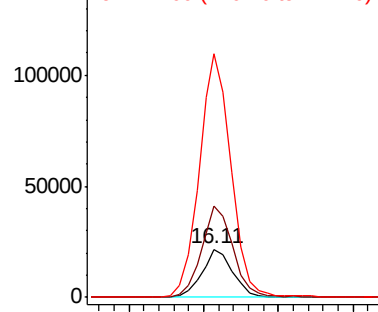
#67
4-Bromophenyl-phenylether
Concen: 3.352 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.46 min
Lab File: BG043801.D
Acq: 11 Dec 2019 18:49

Instrument :
BNA_G
ClientSampleId :
SB-01-COMP

Tot Ion:248 Resp: 31100
Ion Ratio Lower Upper
248 100
250 188.2 79.0 118.6#
141 503.2 57.8 86.6#

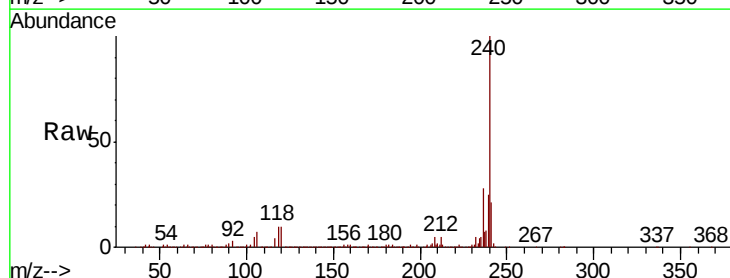


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

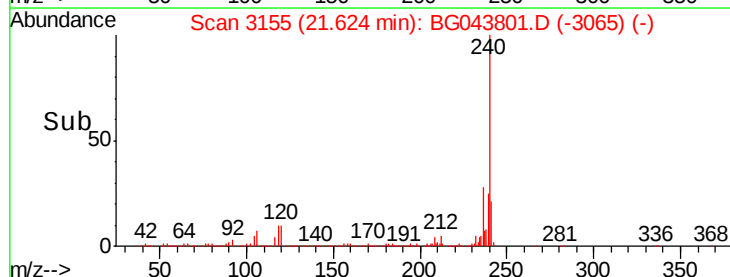
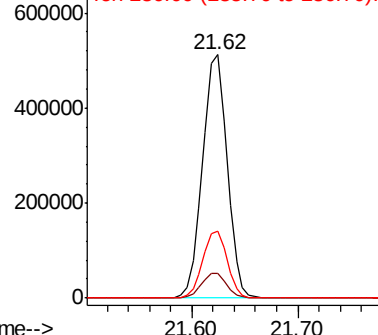


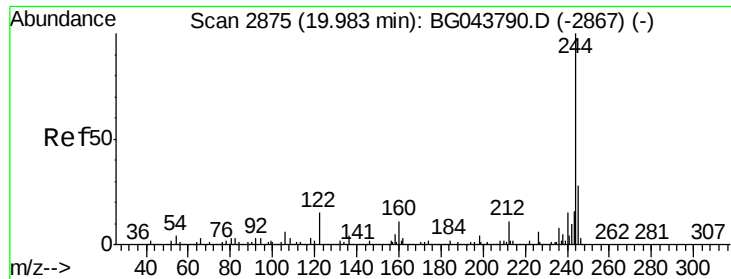
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG043801.D
Acq: 11 Dec 2019 18:49

Tgt Ion:240 Resp: 823535
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 27.7 23.1 34.7



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: 72.816 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

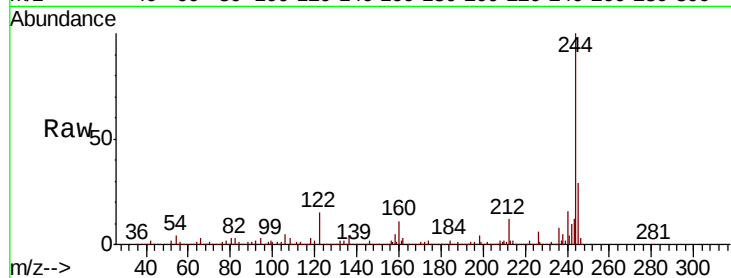
Tot Ion:244 Resp: 2492598

Ion Ratio Lower Upper

244 100

212 11.7 9.1 13.7

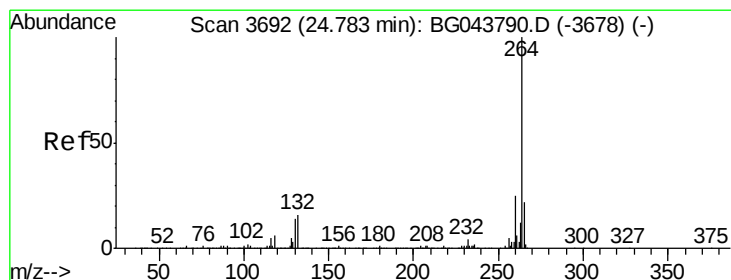
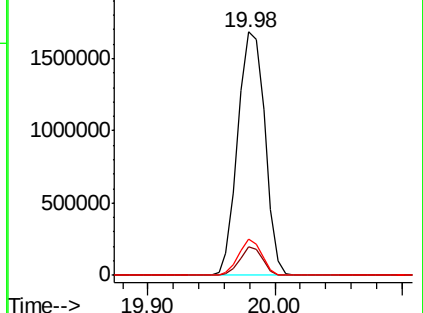
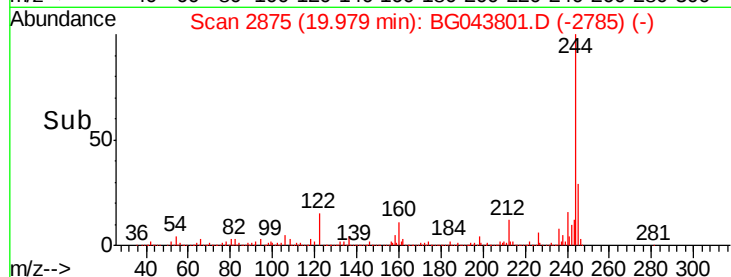
122 14.8 11.6 17.4



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: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG043801.D

Acq: 11 Dec 2019 18:49

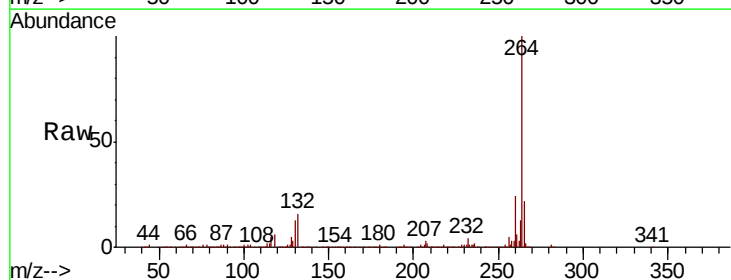
Tgt Ion:264 Resp: 902433

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.8

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

