

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\
 Data File : BG043803.D
 Acq On : 11 Dec 2019 20:07
 Operator : JU
 Sample : K6242-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-COMP

Quant Time: Dec 12 02:21:02 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

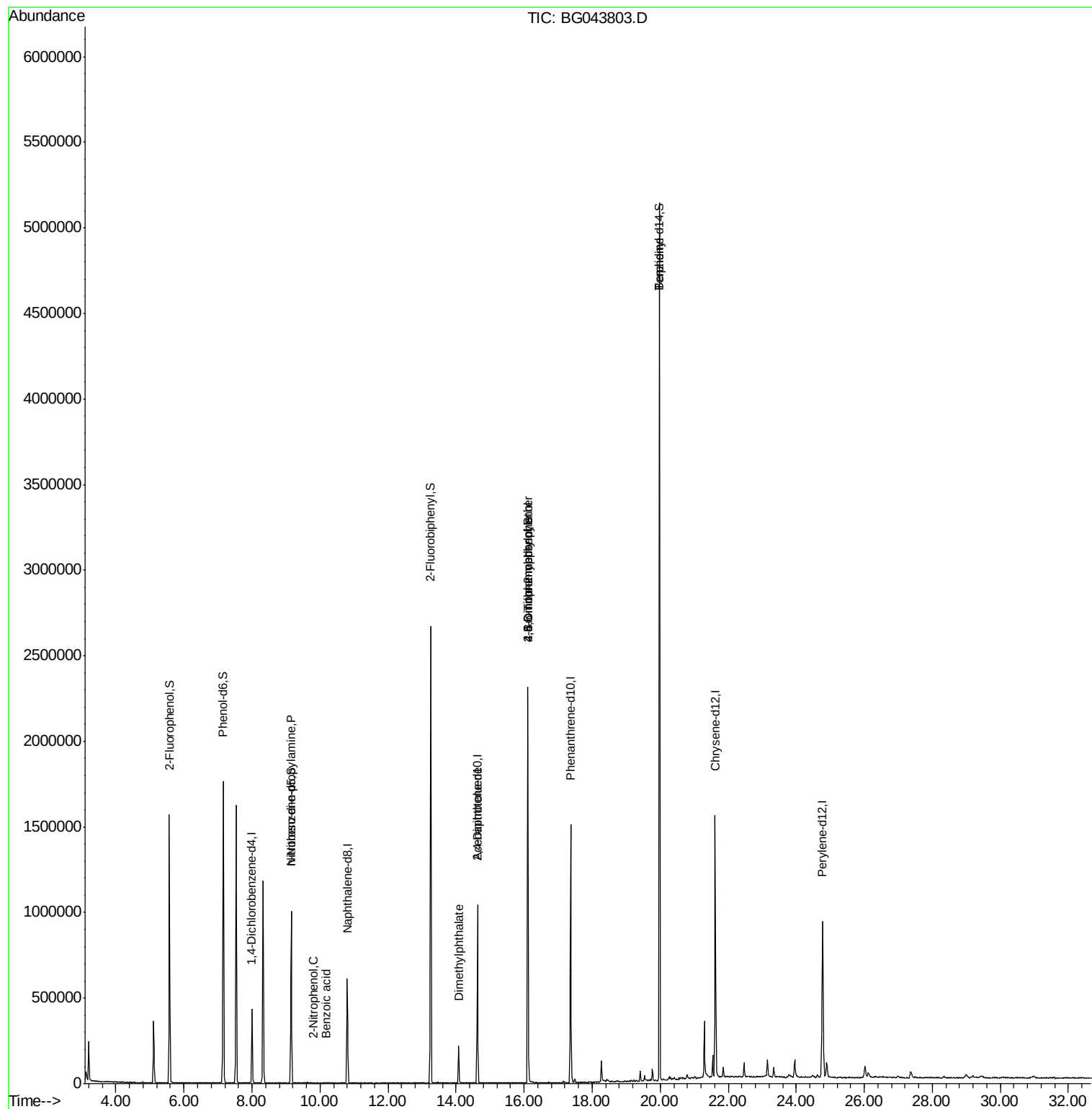
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	125260	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	538734	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	375163	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	919099	20.00	ng	0.00
76) Chrysene-d12	21.62	240	848247	20.00	ng	0.00
87) Perylene-d12	24.77	264	939878	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	705386	106.70	ng	0.00
7) Phenol-d6	7.15	99	1046324	109.74	ng	0.00
23) Nitrobenzene-d5	9.15	82	595285	62.04	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	384417	107.48	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1362848	63.81	ng	0.00
79) Terphenyl-d14	19.98	244	2225244	63.11	ng	0.00
Target Compounds						
9) Benzaldehyde	7.16	77	2036	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.15	70	78904	10.825 ng	#	1
26) 2-Nitrophenol	9.79	139	57	8.360 ng	#	77
32) Benzoic acid	10.19	122	73	5.663 ng	#	34
50) Dimethylphthalate	14.07	163	146890	5.486 ng		1
57) 2,4-Dinitrotoluene	14.63	165	49167	6.306 ng	#	96
65) 4,6-Dinitro-2-methylphenol	16.11	198	1474	9.834 ng	#	25
67) 4-Bromophenyl-phenylether	16.11	248	30701	3.124 ng	#	1
77) Benzidine	19.98	184	42798	2.313 ng	#	1
					#	93

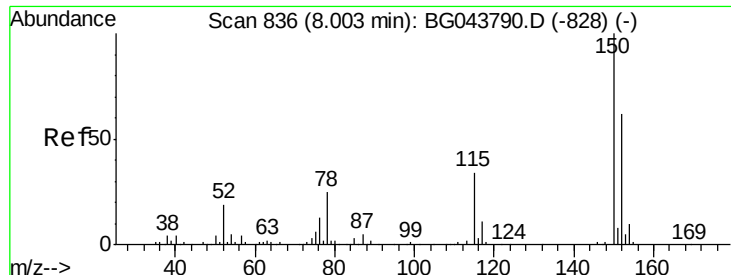
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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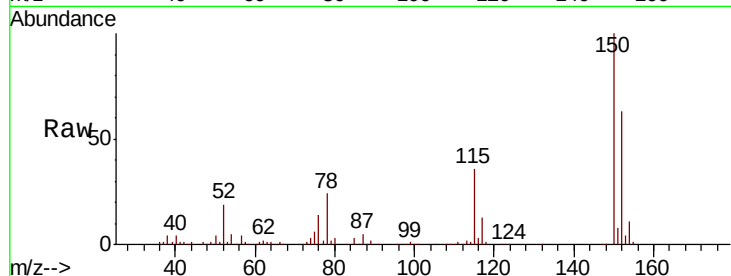


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

Instrument :
BNA_G
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	128.6	192.8
115	57.8	44.3	66.5

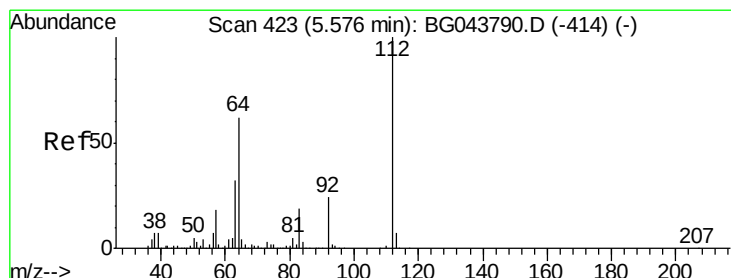
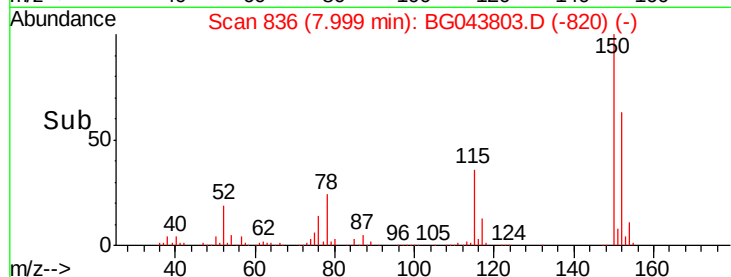
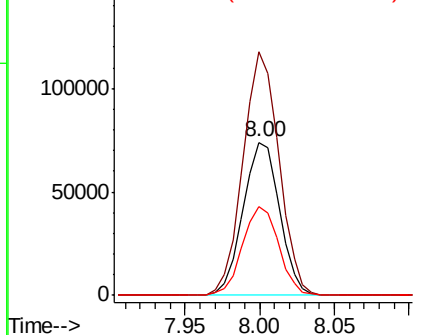


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

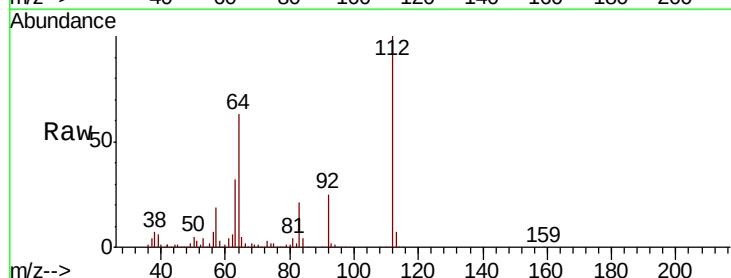
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.699 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	49.9	74.9
63	32.3	26.0	39.0

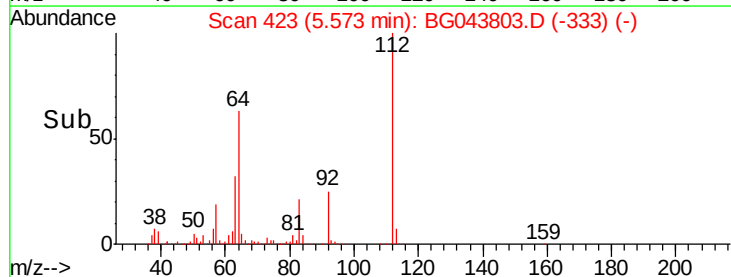
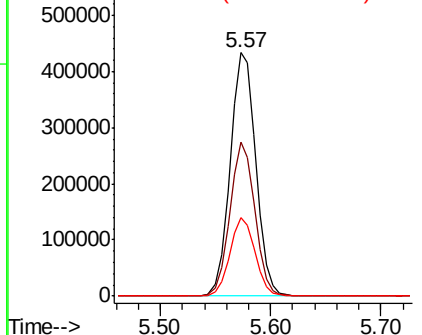


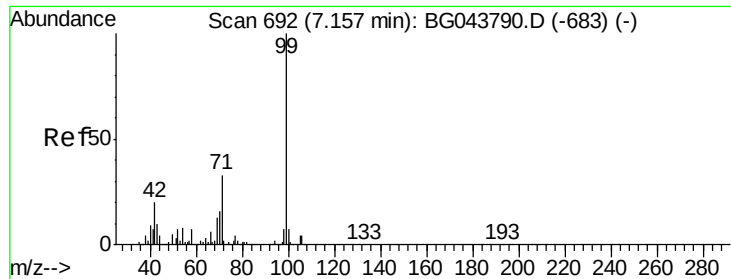
Abundance

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: 109.743 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG043803.D

Acq: 11 Dec 2019 20:07

Instrument :

BNA_G

ClientSampleId :

SB-03-COMP

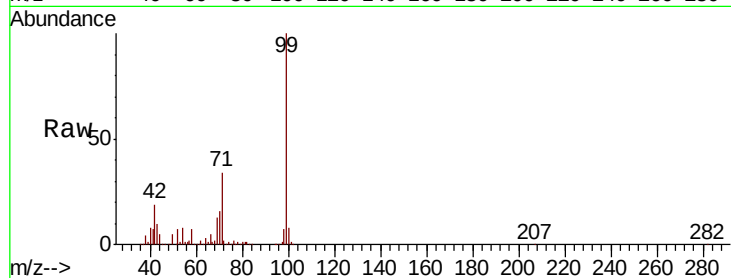
Tot Ion: 99 Resp: 1046324

Ion Ratio Lower Upper

99 100

42 19.2 16.2 24.2

71 33.9 26.6 40.0

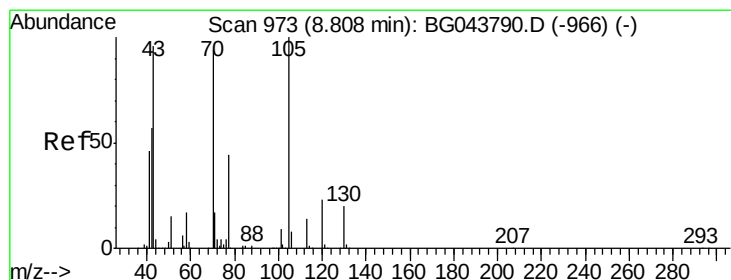
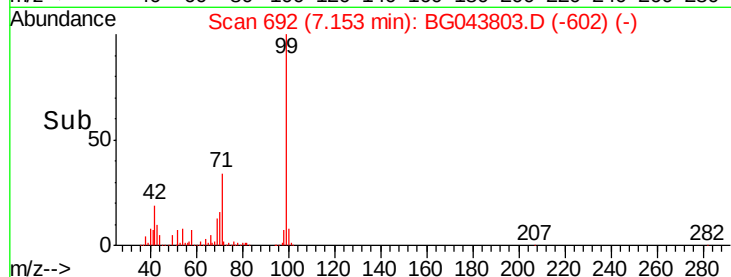
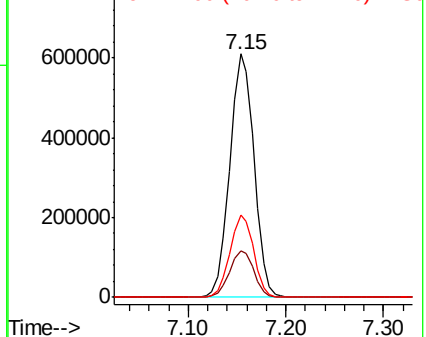


Abundance

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: 10.825 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043803.D

Acq: 11 Dec 2019 20:07

Tgt Ion: 70 Resp: 78904

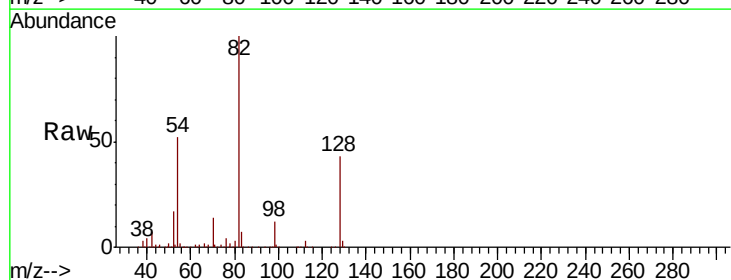
Ion Ratio Lower Upper

70 100

42 48.9 49.2 73.8#

101 0.0 7.8 11.6#

130 2.2 17.0 25.6#



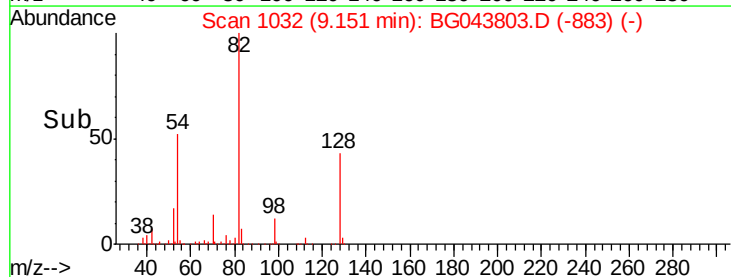
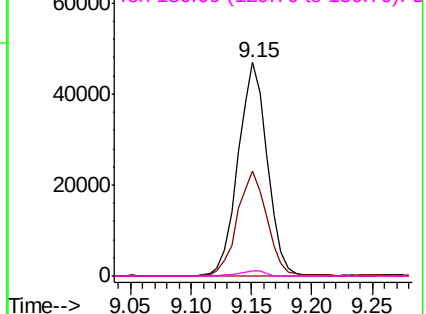
Abundance

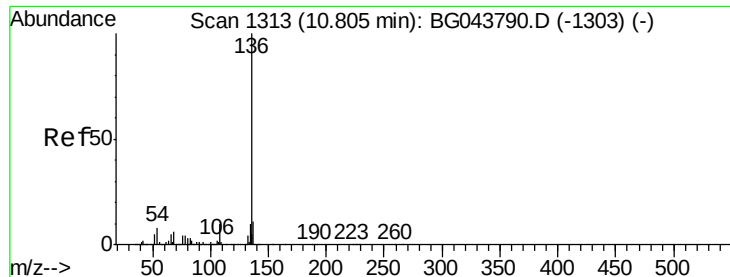
Ion 70.00 (69.70 to 70.70): BGC

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

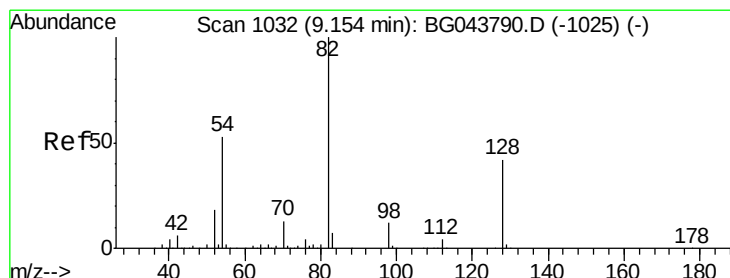
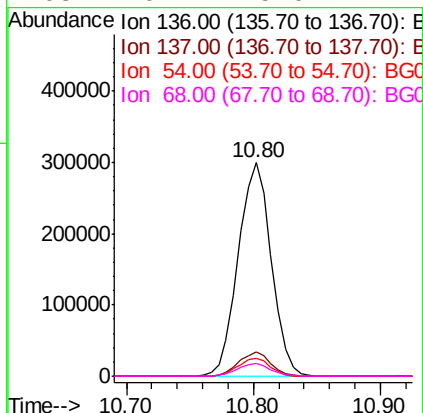
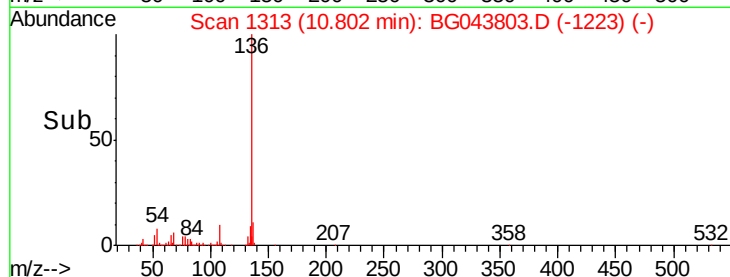
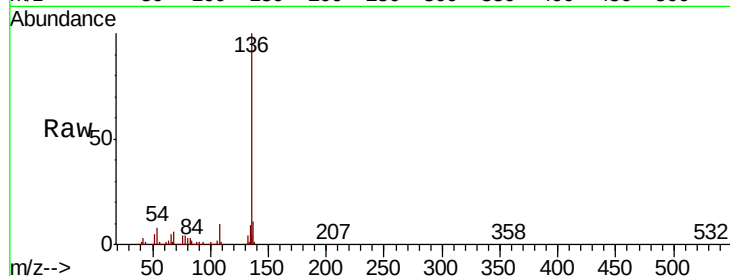




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

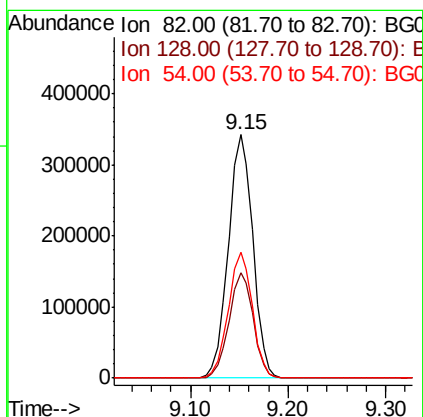
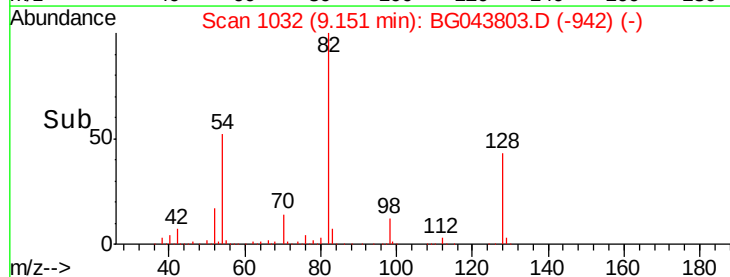
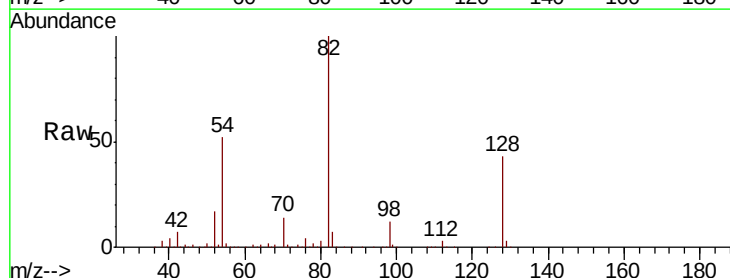
Instrument :
BNA_G
ClientSampleId :
SB-03-COMP

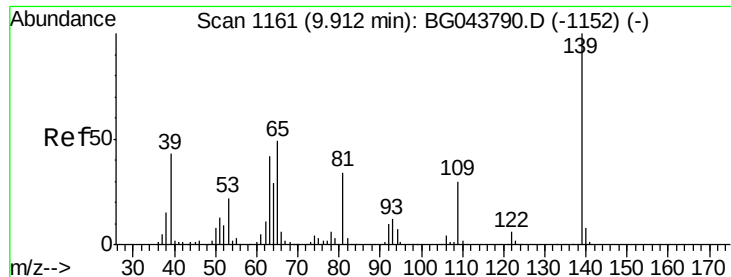
Tot Ion:136	Resp:	538734	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	8.7	13.1	
54 8.2	6.8	10.2	
68 6.2	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 62.041 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

Tgt	Ion: 82	Resp:	595285
Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.6	50.4
54	51.6	42.1	63.1

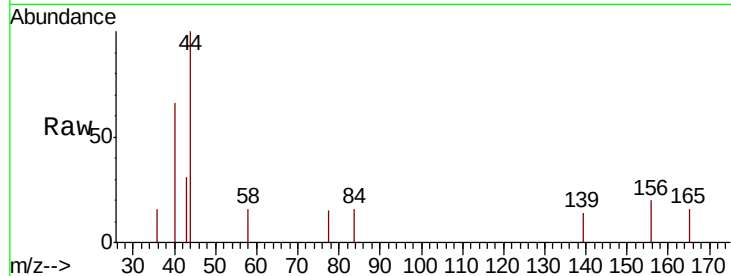




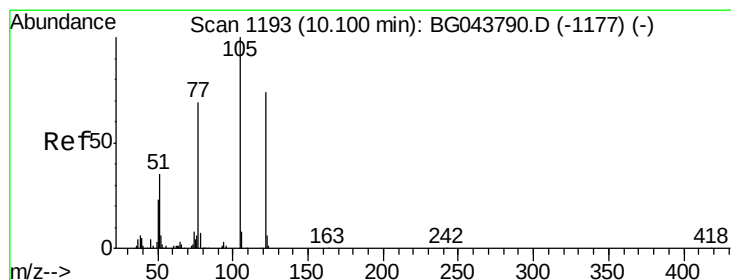
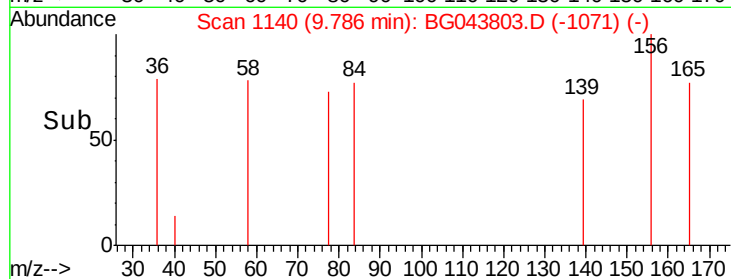
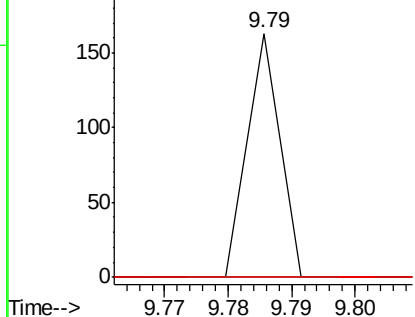
#26
2-Nitrophenol
Concen: 8.360 ng
RT: 9.79 min Scan# 1140
Delta R.T. -0.13 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

Instrument :
BNA_G
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.9	35.9#
65	0.0	39.3	58.9#

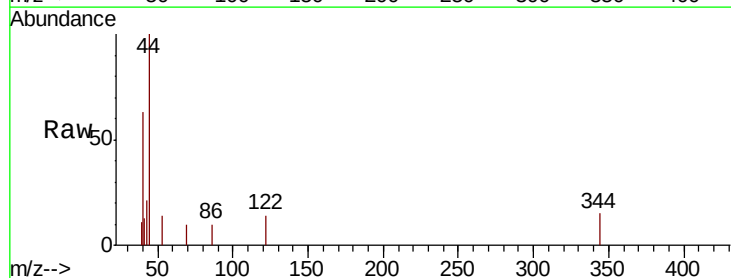


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

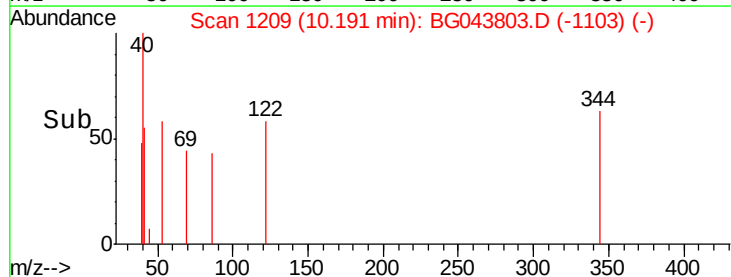
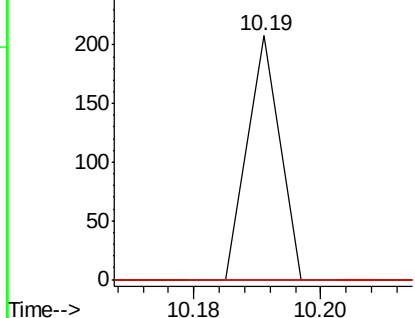


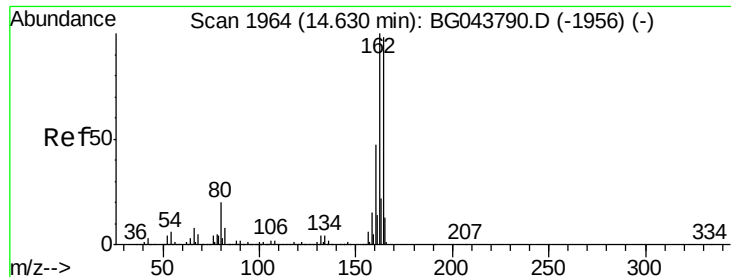
#32
Benzoic acid
Concen: 5.663 ng
RT: 10.19 min Scan# 1209
Delta R.T. 0.09 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

Tgt 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: BG043803.D

Acq: 11 Dec 2019 20:07

Instrument :

BNA_G

ClientSampleId :

SB-03-COMP

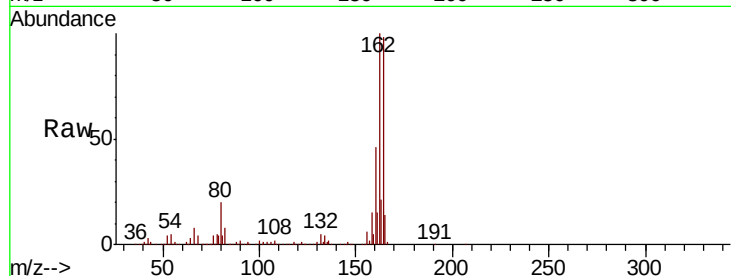
Tot Ion:164 Resp: 375163

Ion Ratio Lower Upper

164 100

162 101.7 81.9 122.9

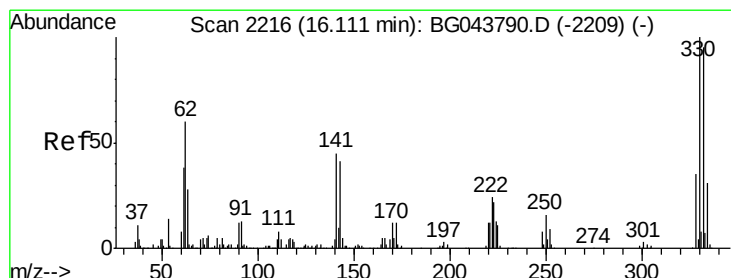
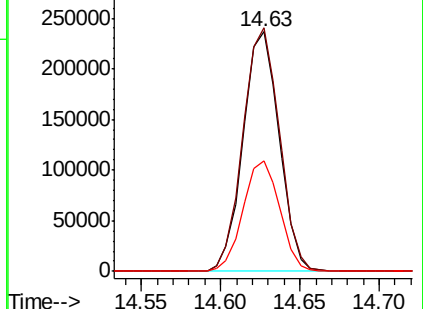
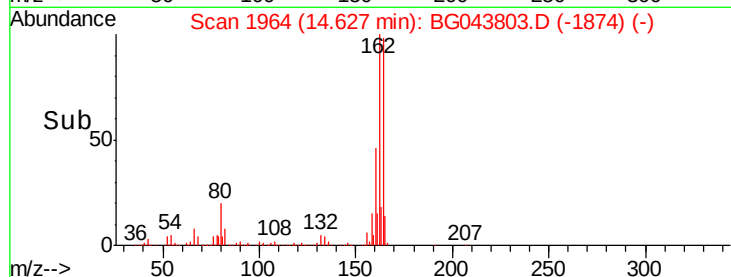
160 46.3 38.3 57.5



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: 107.481 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG043803.D

Acq: 11 Dec 2019 20:07

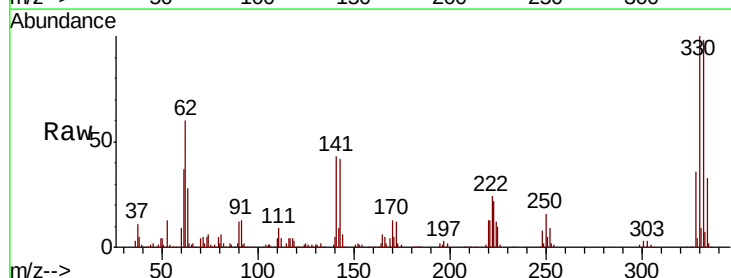
Tgt Ion:330 Resp: 384417

Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

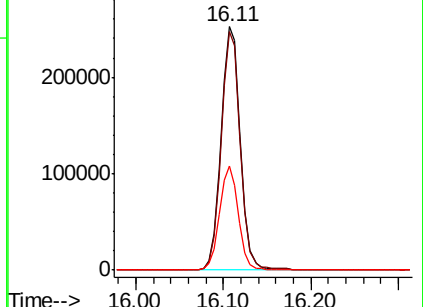
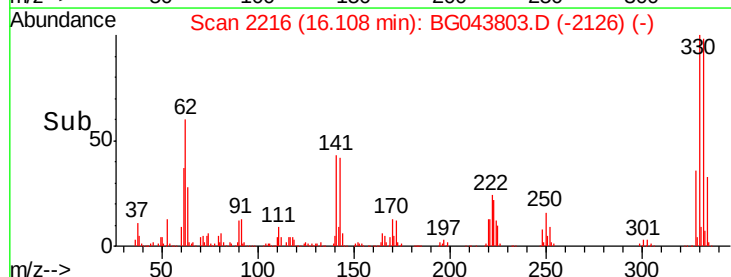
141 42.0 33.8 50.8

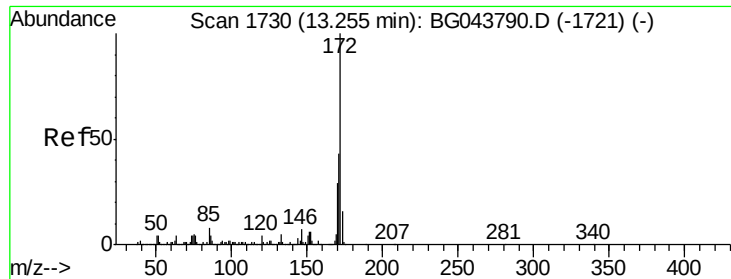


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

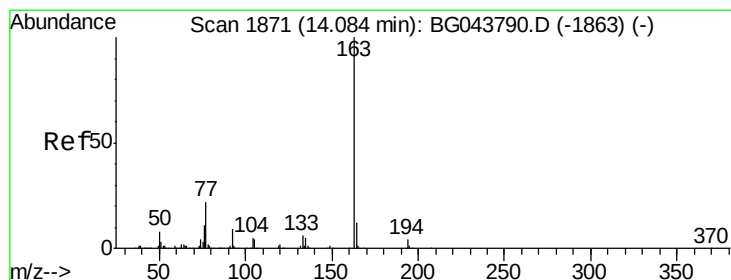
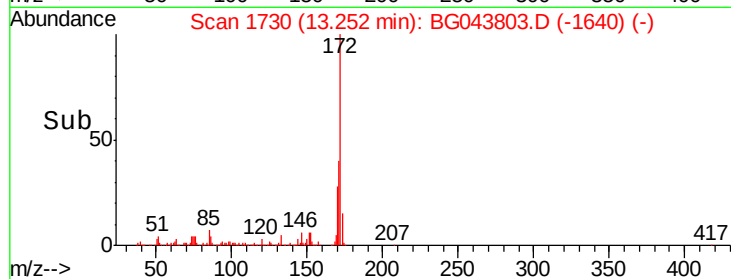
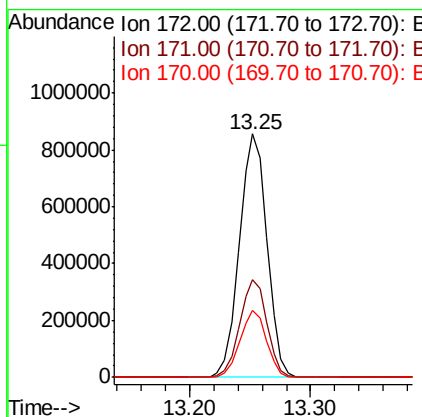
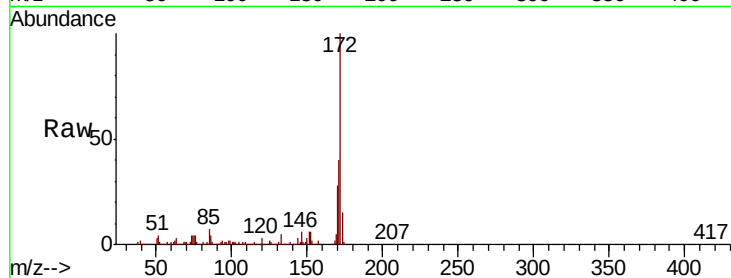




#45
2-Fluorobiphenyl
Concen: 63.811 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

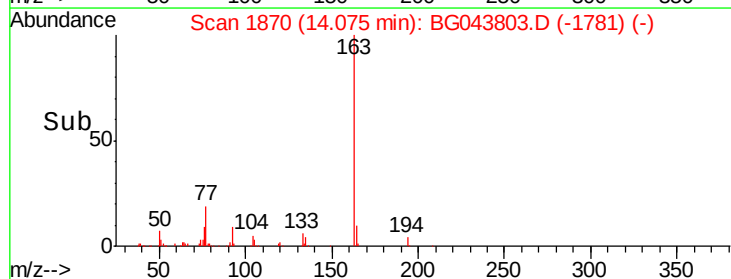
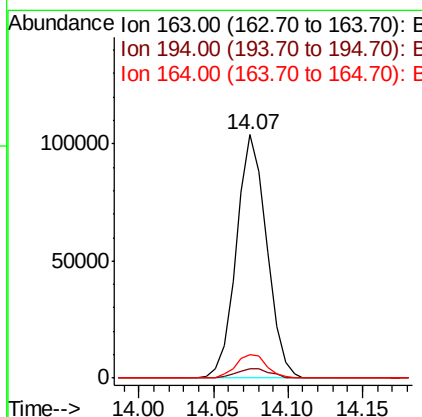
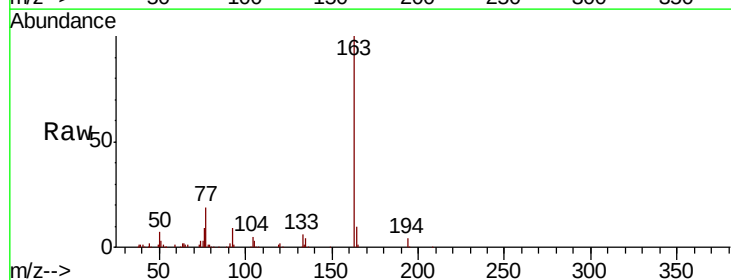
Instrument :
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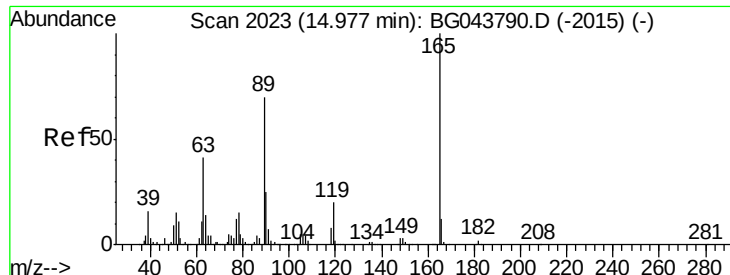
Tot Ion:172 Resp: 1362848
Ion Ratio Lower Upper
172 100
171 40.3 34.6 51.8
170 27.7 23.3 34.9



#50
Dimethylphthalate
Concen: 5.486 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

Tgt Ion:163 Resp: 146890
Ion Ratio Lower Upper
163 100
194 3.7 3.6 5.4
164 9.7 9.4 14.0

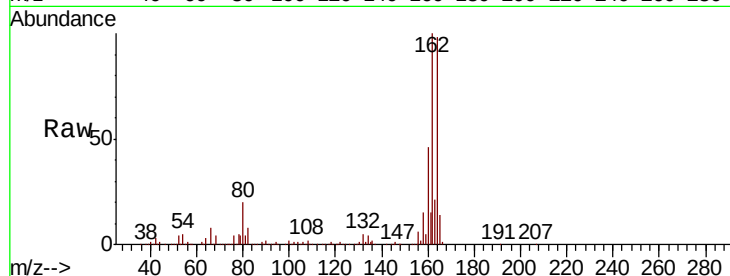




#57
2,4-Dinitrotoluene
Concen: 6.306 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.35 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

Instrument :
BNA_G
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	32.7	49.1#
89	1.5	56.1	84.1#
182	0.0	2.0	3.0#



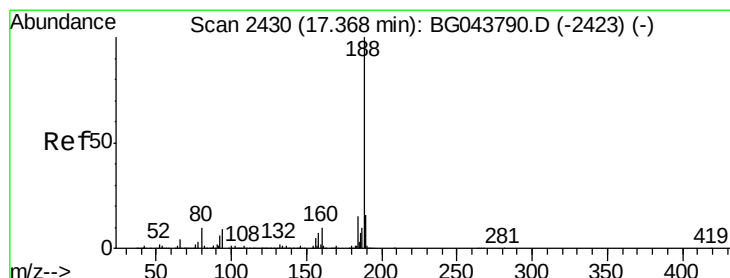
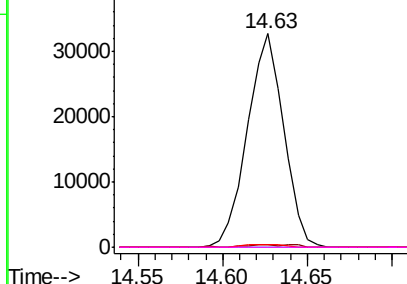
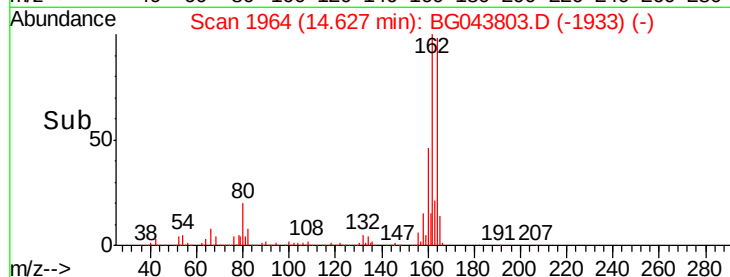
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

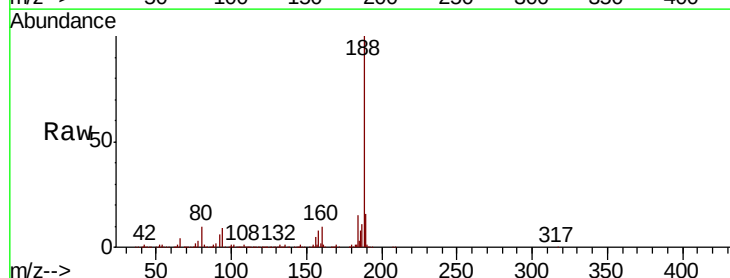
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.36 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG043803.D
Acq: 11 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.9	10.3
80	10.4	7.8	11.8

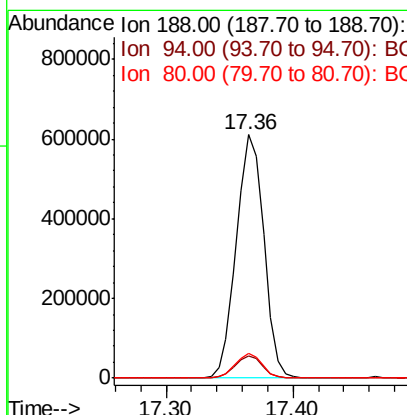
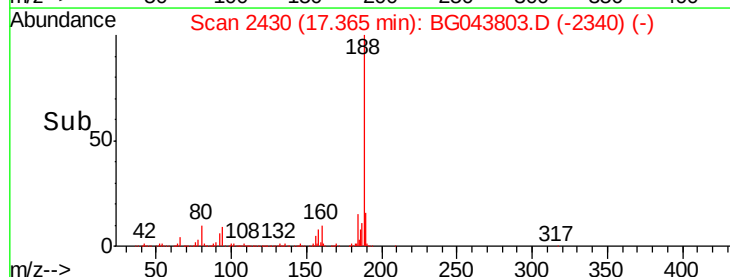


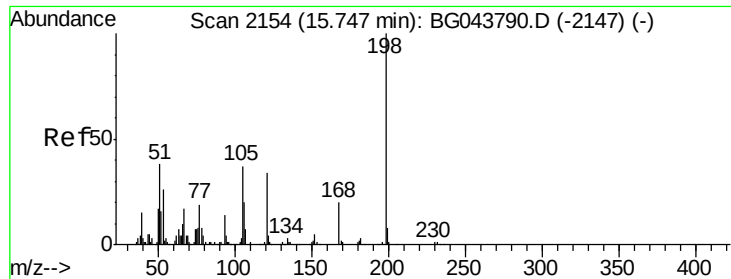
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 9.834 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.37 min

Lab File: BG043803.D

Acq: 11 Dec 2019 20:07

Instrument :

BNA_G

ClientSampleId :

SB-03-COMP

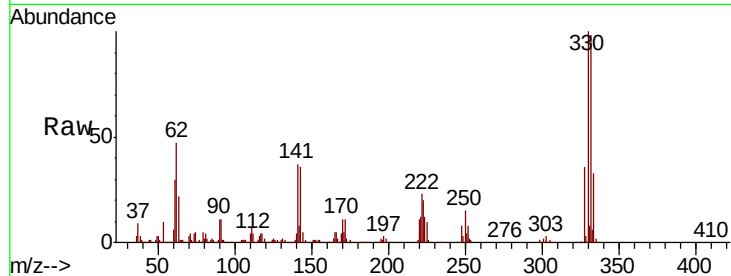
Tot Ion:198 Resp: 1474

Ion Ratio Lower Upper

198 100

51 135.9 18.9 58.9#

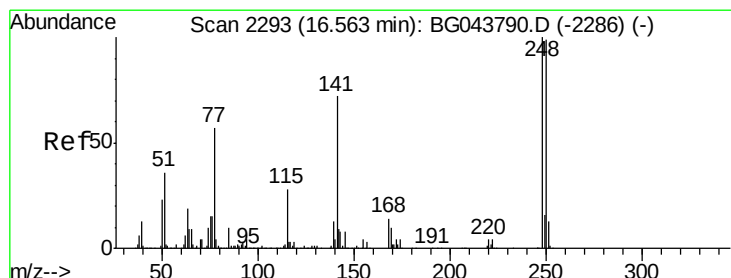
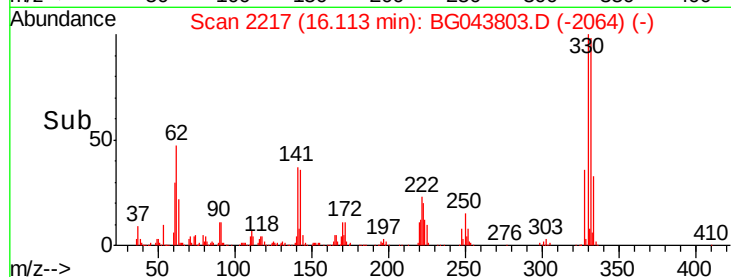
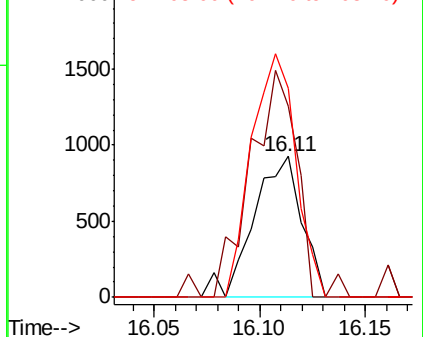
105 148.6 18.1 58.1#



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: 3.124 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.46 min

Lab File: BG043803.D

Acq: 11 Dec 2019 20:07

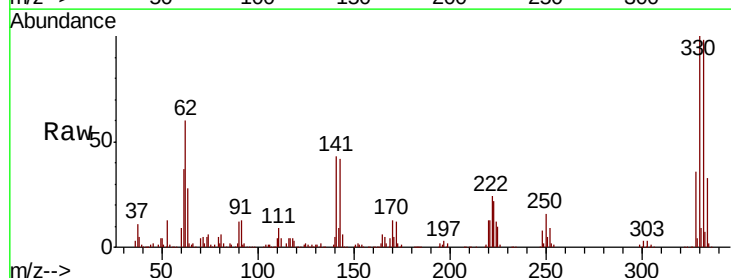
Tgt Ion:248 Resp: 30701

Ion Ratio Lower Upper

248 100

250 192.4 79.0 118.6#

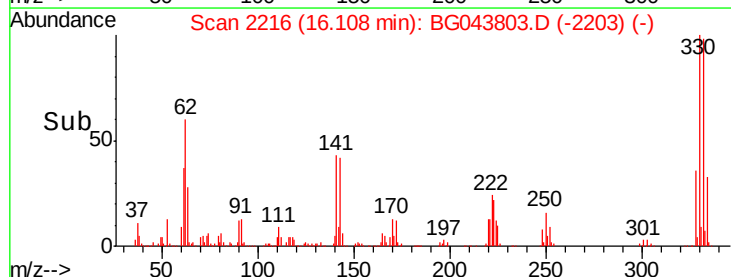
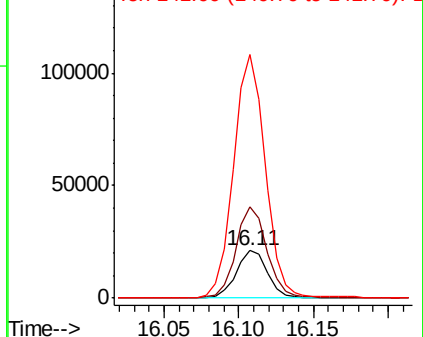
141 514.2 57.8 86.6#

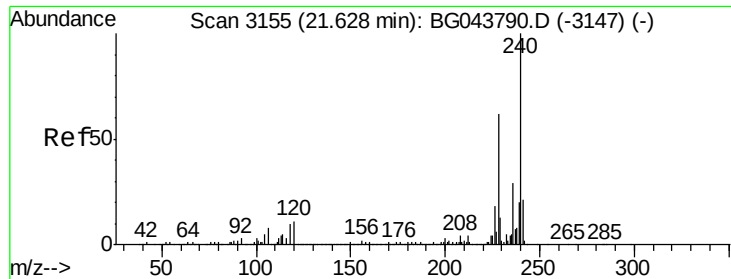


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3154

Delta R.T. -0.01 min

Lab File: BG043803.D

Acq: 11 Dec 2019 20:07

Instrument :

BNA_G

ClientSampleId :

SB-03-COMP

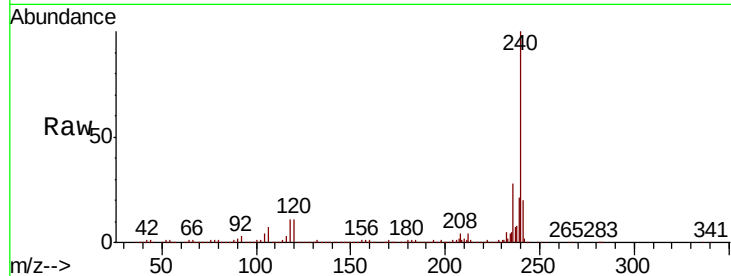
Tot Ion:240 Resp: 848247

Ion Ratio Lower Upper

240 100

120 11.1 8.6 12.8

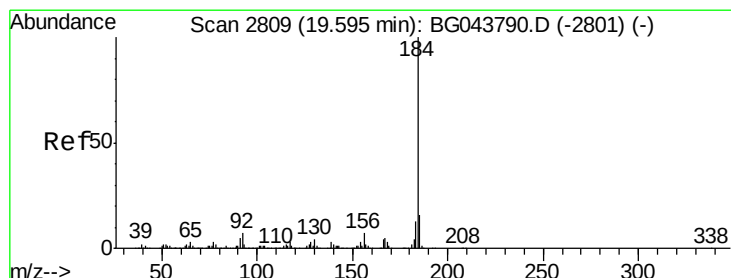
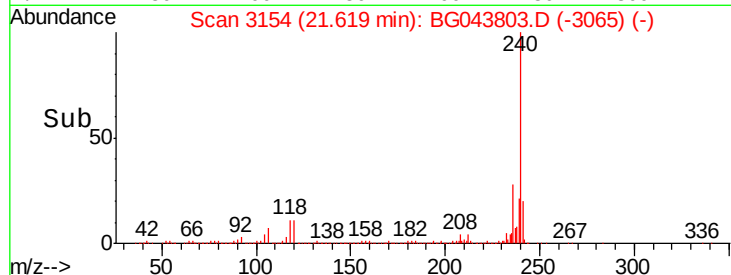
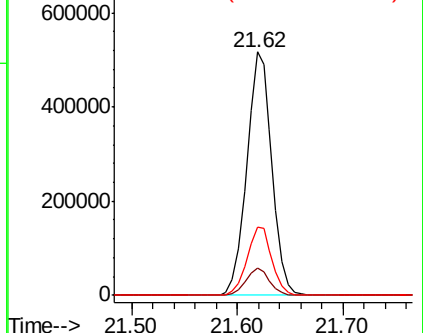
236 27.9 23.1 34.7



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



#77

Benzidine

Concen: 2.313 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG043803.D

Acq: 11 Dec 2019 20:07

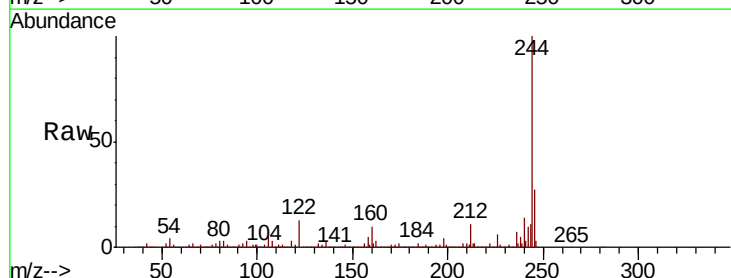
Tgt Ion:184 Resp: 42798

Ion Ratio Lower Upper

184 100

185 15.6 12.9 19.3

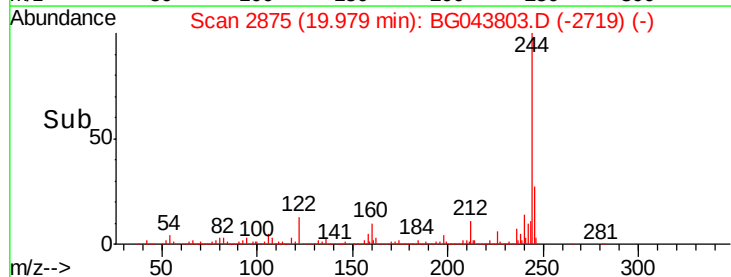
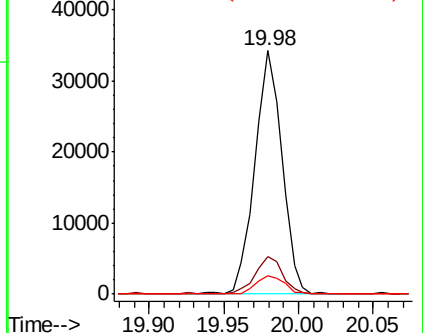
183 7.4 10.3 15.5#

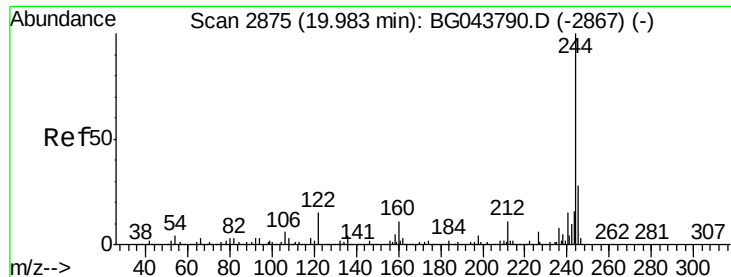


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 63.112 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043803.D

Acq: 11 Dec 2019 20:07

Instrument :

BNA_G

ClientSampleId :

SB-03-COMP

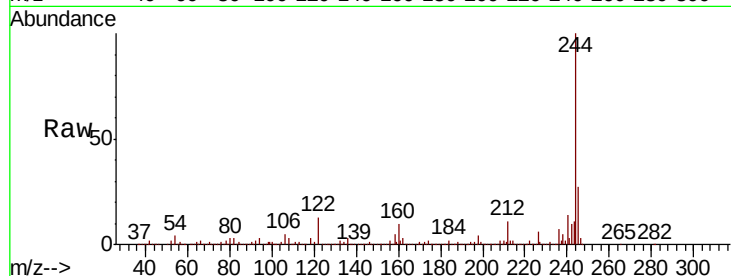
Tot Ion:244 Resp: 2225244

Ion Ratio Lower Upper

244 100

212 10.5 9.1 13.7

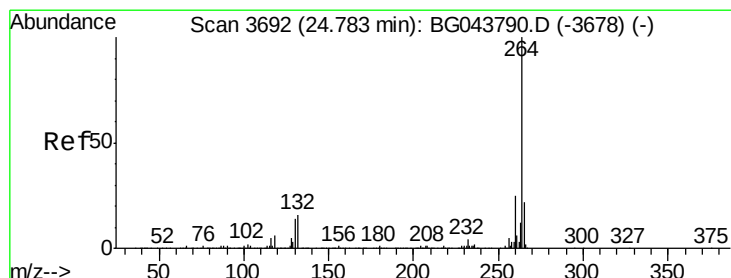
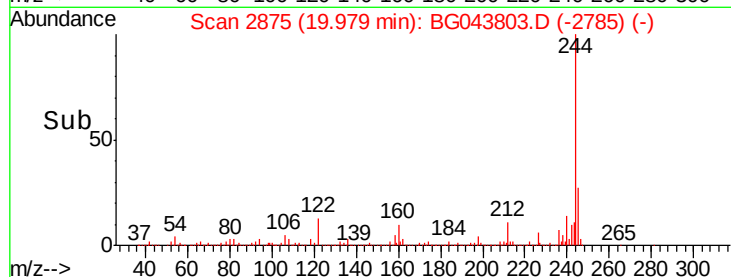
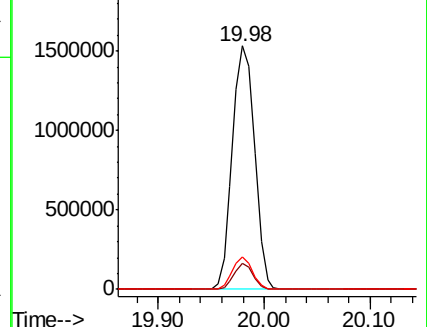
122 13.3 11.6 17.4



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: BG043803.D

Acq: 11 Dec 2019 20:07

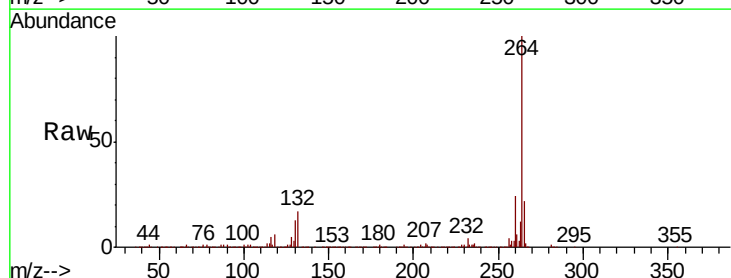
Tgt Ion:264 Resp: 939878

Ion Ratio Lower Upper

264 100

260 23.8 19.8 29.8

265 22.1 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

