

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\
 Data File : BG044890.D
 Acq On : 19 Mar 2020 9:42
 Operator : CG/JU
 Sample : PB127639TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 19 11:21:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

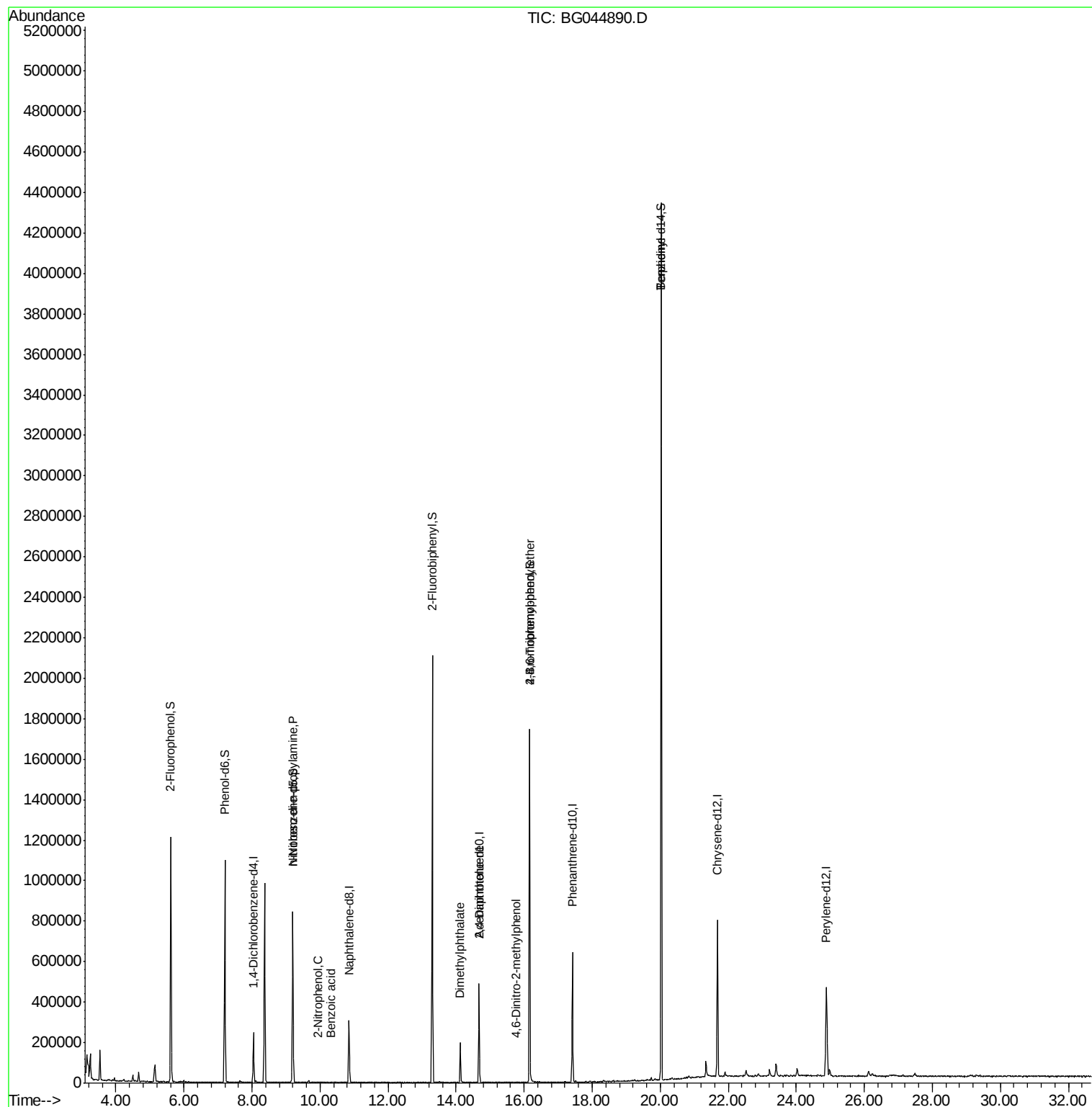
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	70870	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	269626	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	174325	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	410535	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	468338	20.00	ng	-0.02
87) Perylene-d12	24.89	264	483934	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	524379	115.18	ng	0.00
7) Phenol-d6	7.20	99	662438	100.15	ng	0.00
23) Nitrobenzene-d5	9.20	82	541638	88.15	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	352731	154.54	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1099478	90.32	ng	0.00
79) Terphenyl-d14	20.03	244	2049435	81.85	ng	0.00
Target Compounds						
9) Benzaldehyde	7.19	77	1397	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.20	70	71040	15.210	ng	# 81
26) 2-Nitrophenol	9.93	139	79	5.547	ng	# 28
32) Benzoic acid	10.32	122	77	9.690	ng	# 1
50) Dimethylphthalate	14.12	163	133195	9.593	ng	98
57) 2,4-Dinitrotoluene	14.67	165	22961	5.982	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.76	198	60	7.754	ng	# 33
67) 4-Bromophenyl-phenylether	16.15	248	23195	4.519	ng	# 1
77) Benzidine	20.03	184	39929	2.626	ng	# 89

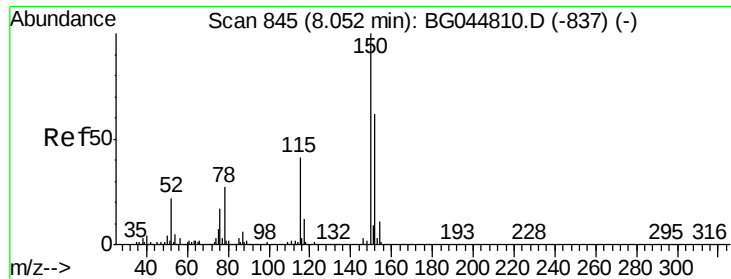
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG044890.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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BNA_G
ClientSampleId :

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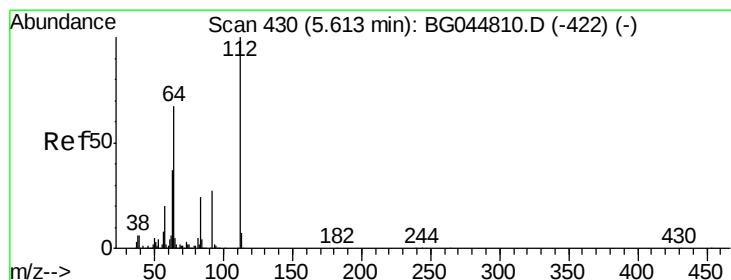
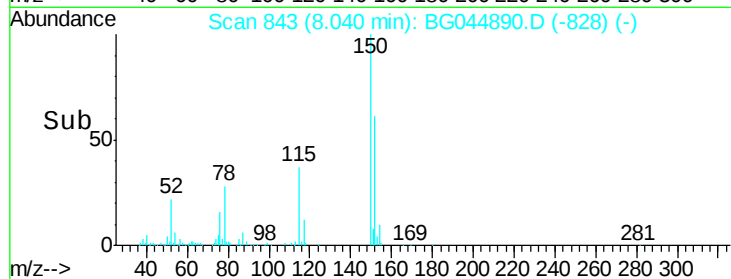
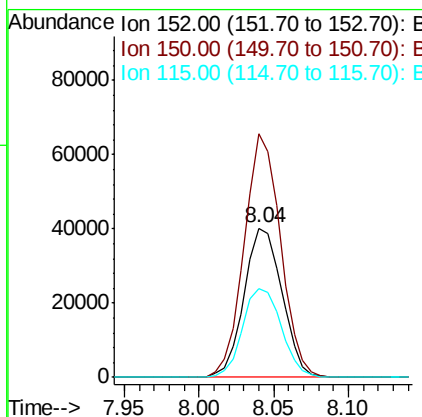
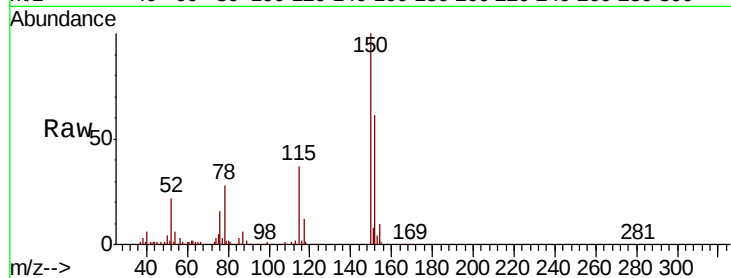


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

Instrument :
BNA_G
ClientSampleId :

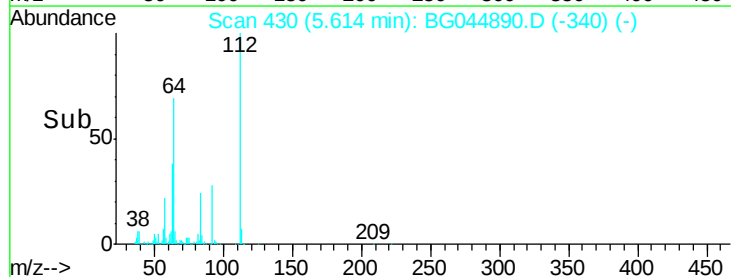
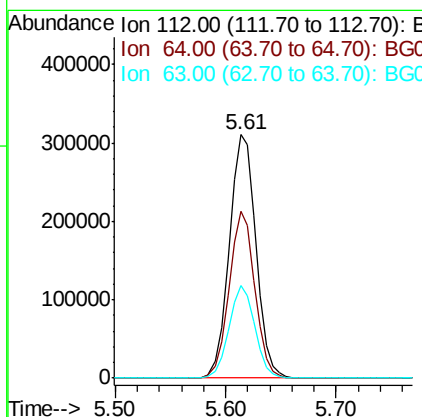
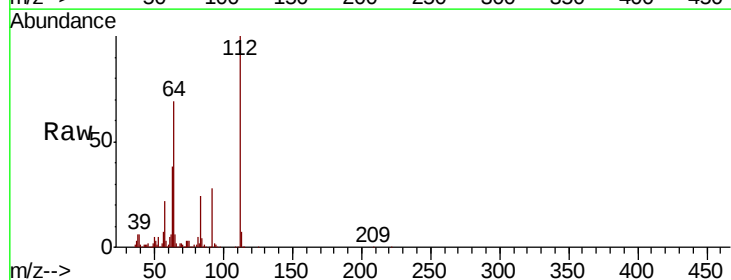
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.2	128.8	193.2
115	59.7	52.6	79.0

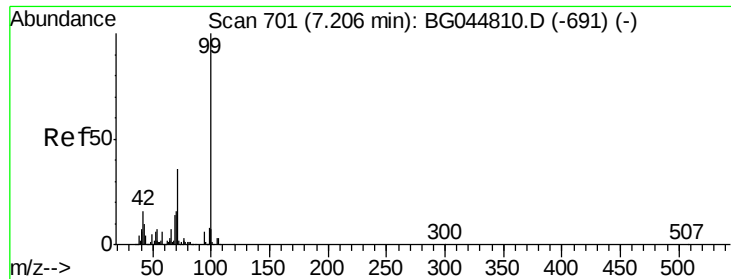


#5

2-Fluorophenol
Concen: 115.182 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.4	80.2
63	38.2	29.4	44.2





#7

Phenol-d6

Concen: 100.148 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044890.D

Acq: 19 Mar 2020 9:42

Instrument :

BNA_G

ClientSampleId :

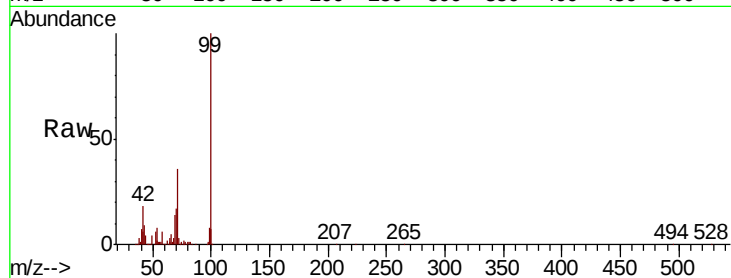
Tot Ion: 99 Resp: 662438

Ion Ratio Lower Upper

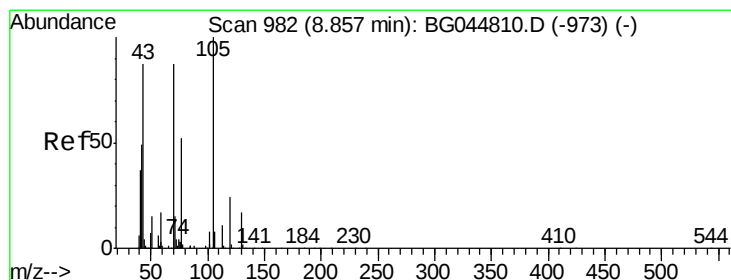
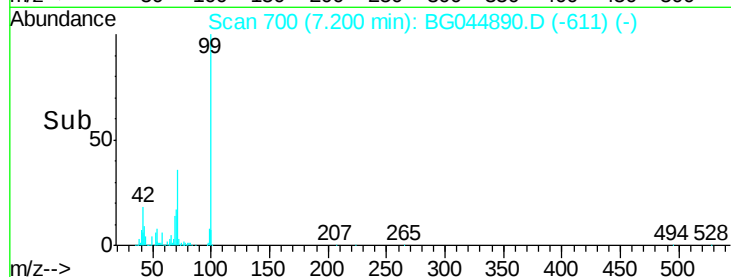
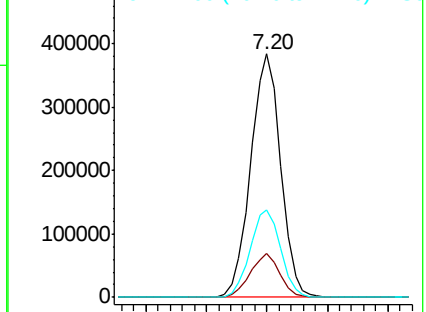
99 100

42 18.2 12.6 19.0

71 35.8 29.0 43.4



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: 15.210 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044890.D

Acq: 19 Mar 2020 9:42

Tgt Ion: 70 Resp: 71040

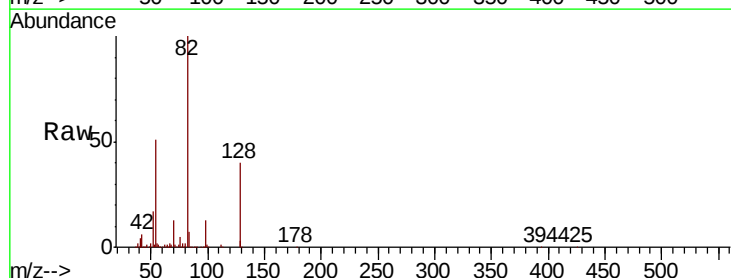
Ion Ratio Lower Upper

70 100

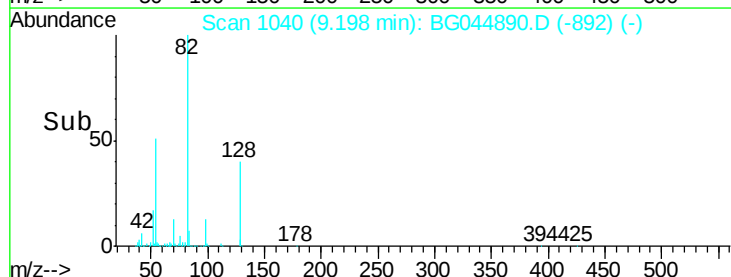
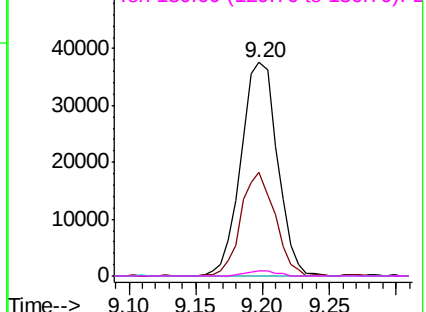
42 48.4 45.7 68.5

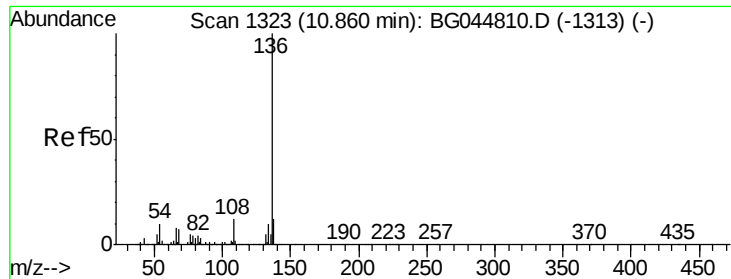
101 0.0 7.4 11.2#

130 2.5 15.9 23.9#



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

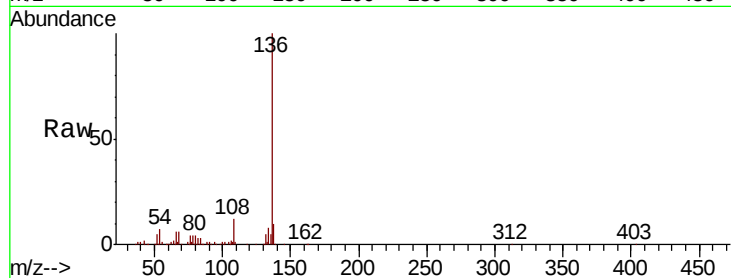




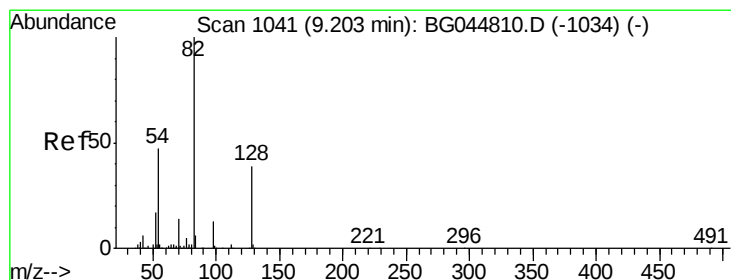
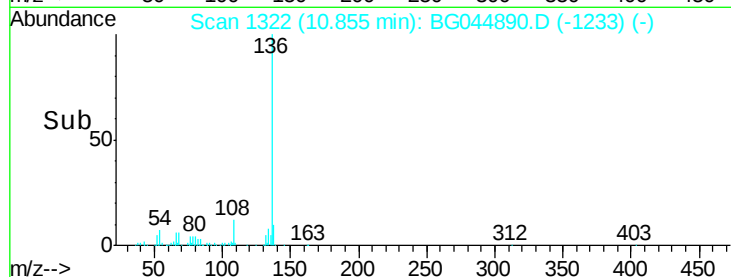
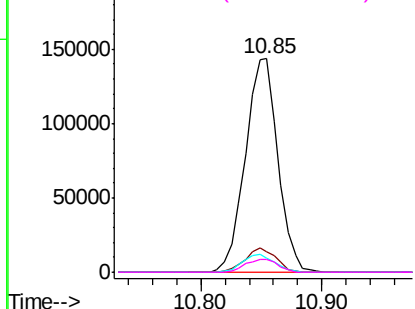
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	269626
Ion Ratio	Lower	Upper
136	100	
137	9.6	9.8 14.6#
54	6.9	7.9 11.9#
68	6.0	5.4 8.0

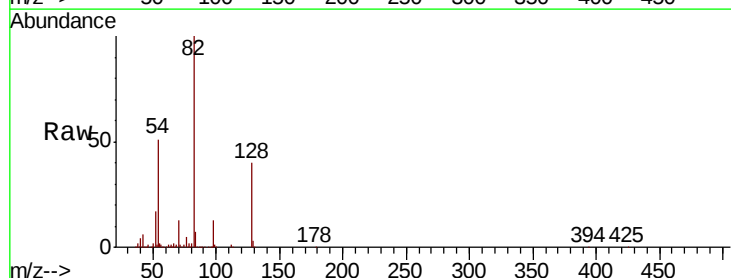


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

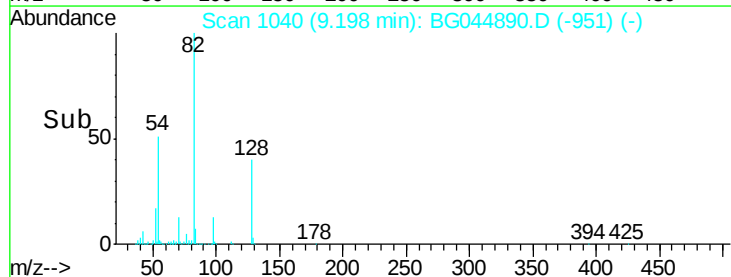
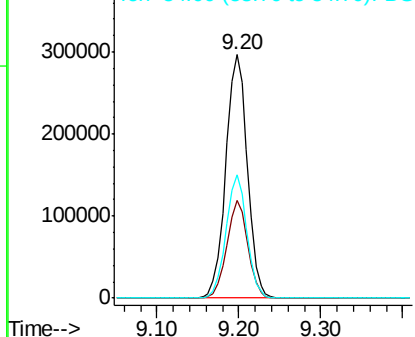


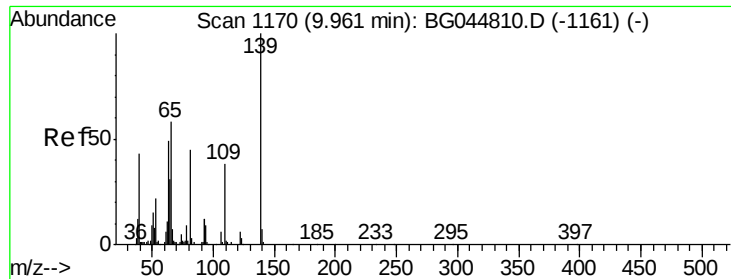
#23
Nitrobenzene-d5
Concen: 88.151 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

Tgt Ion: 82	Resp:	541638
Ion Ratio	Lower	Upper
82	100	
128	40.1	30.6 46.0
54	50.7	37.1 55.7



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

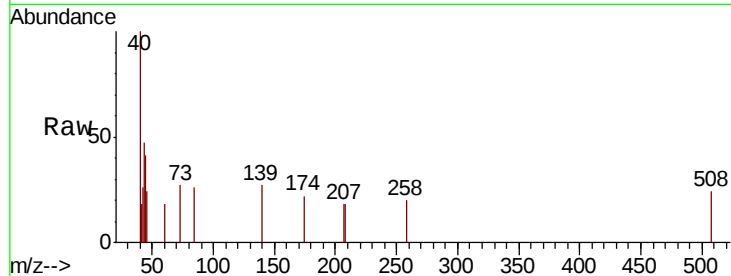




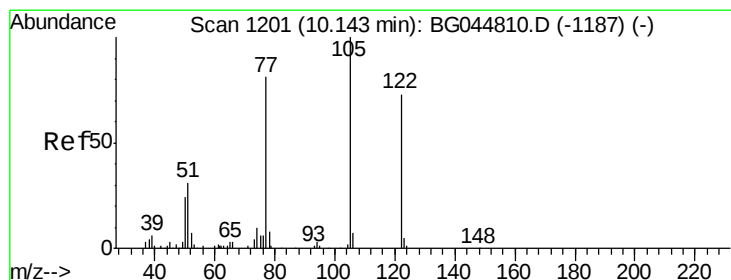
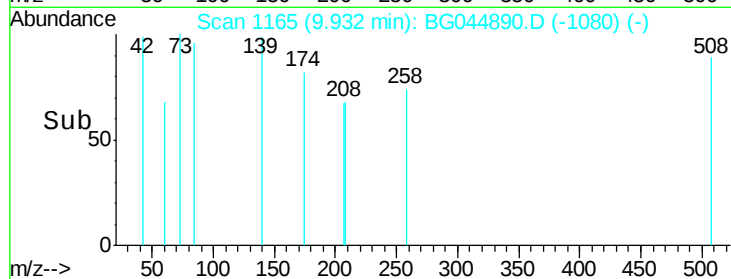
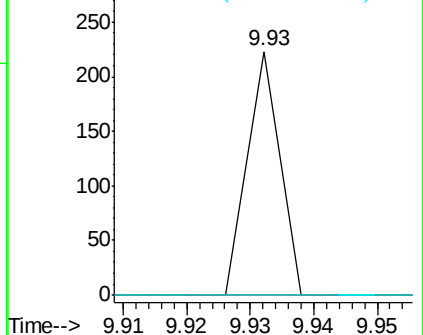
#26
2-Nitrophenol
Concen: 5.547 ng
RT: 9.93 min Scan# 1165
Delta R.T. -0.03 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

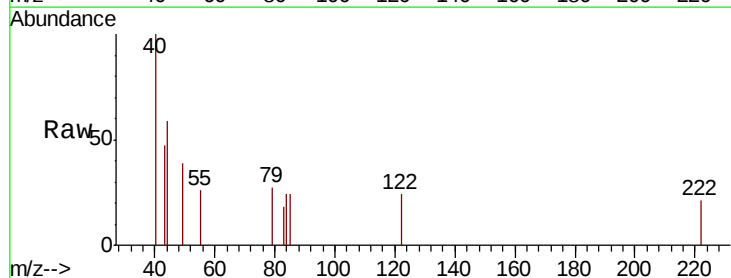


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

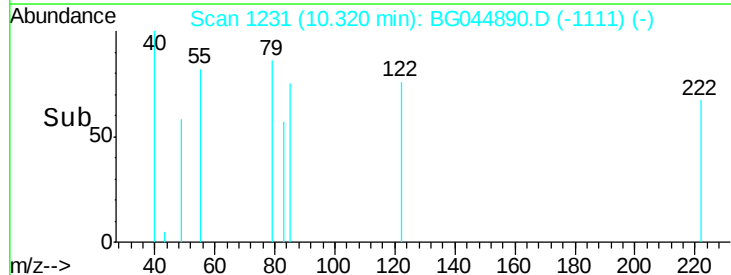
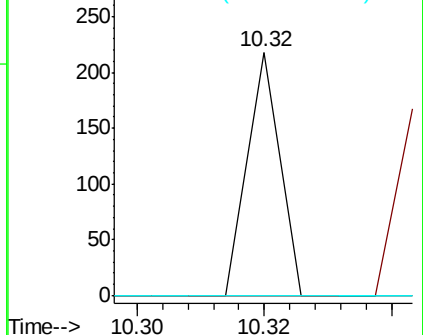


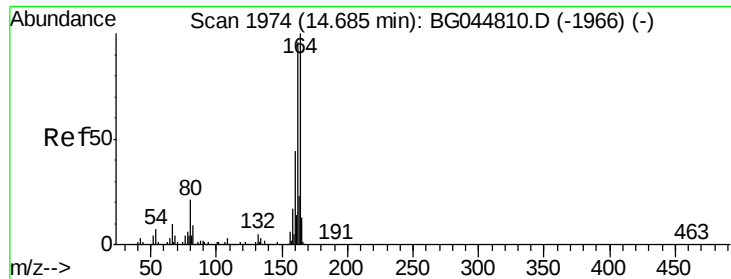
#32
Benzoic acid
Concen: 9.690 ng
RT: 10.32 min Scan# 1231
Delta R.T. 0.18 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



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: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044890.D

Acq: 19 Mar 2020 9:42

Instrument :

BNA_G

ClientSampleId :

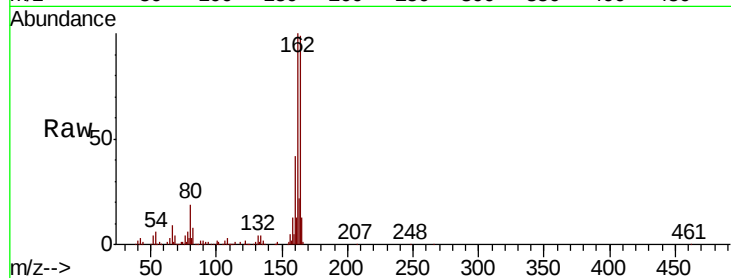
Tot Ion:164 Resp: 174325

Ion Ratio Lower Upper

164 100

162 101.1 76.7 115.1

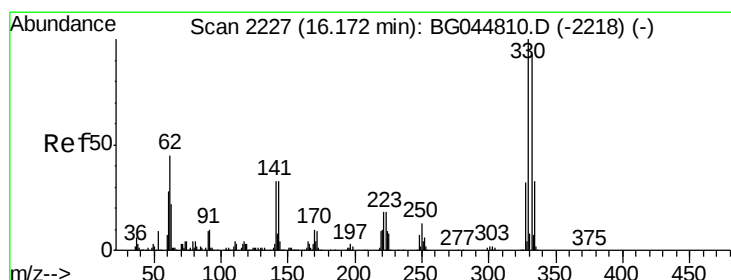
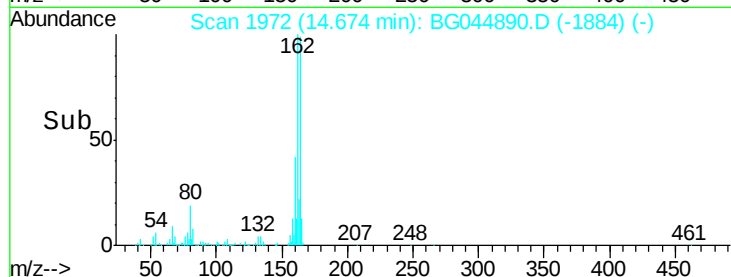
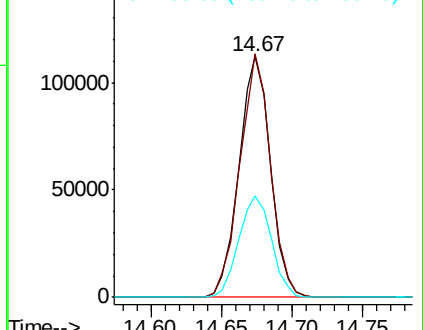
160 42.2 35.0 52.4



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: 154.536 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044890.D

Acq: 19 Mar 2020 9:42

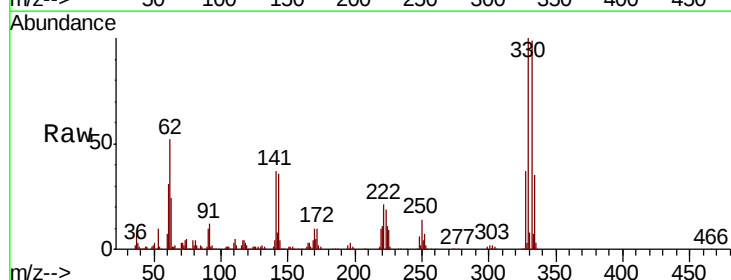
Tgt Ion:330 Resp: 352731

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

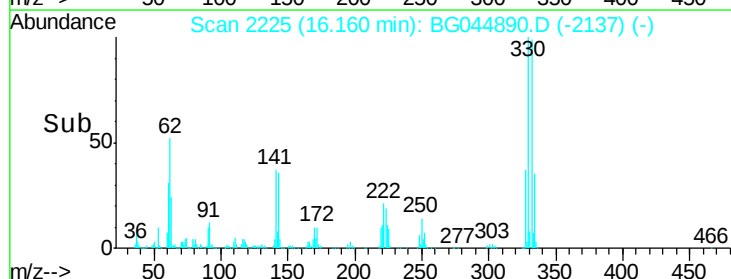
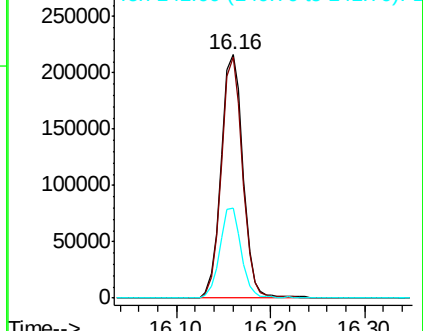
141 36.0 29.5 44.3

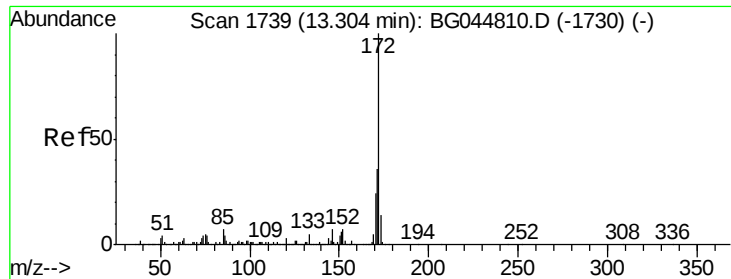


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

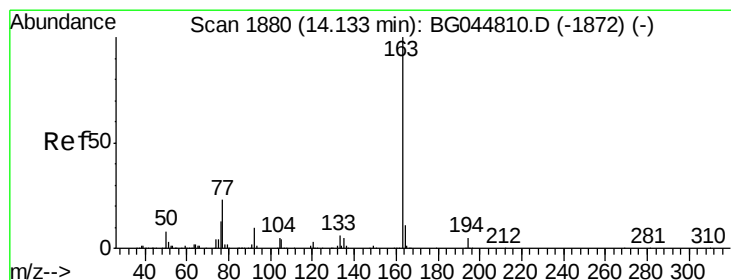
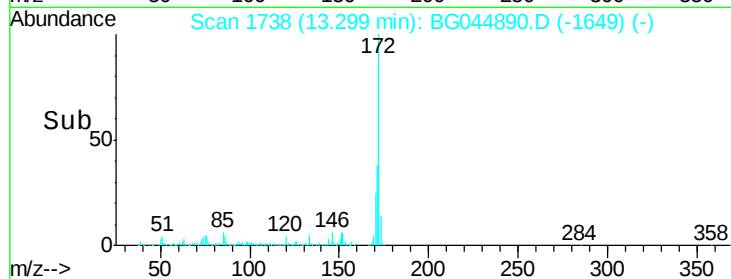
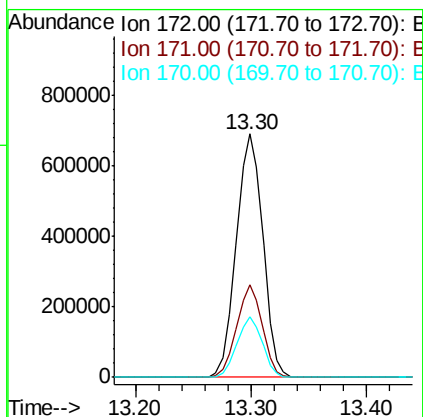
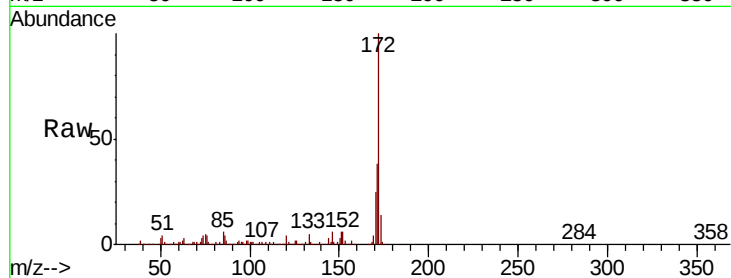




#45
2-Fluorobiphenyl
Concen: 90.319 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

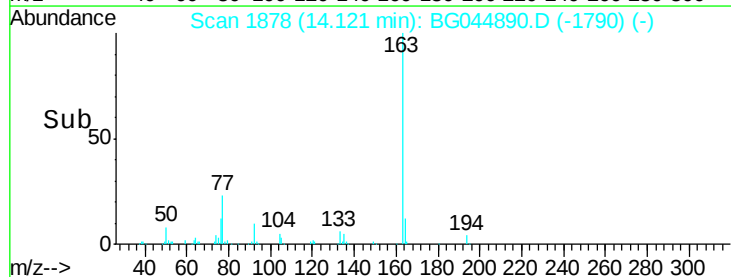
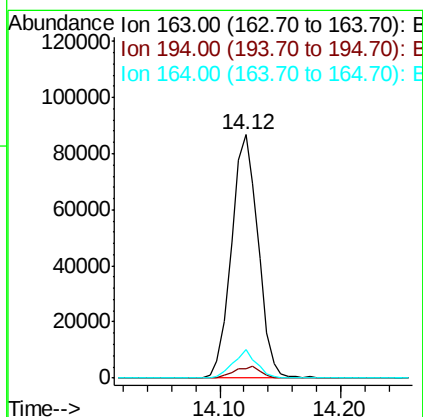
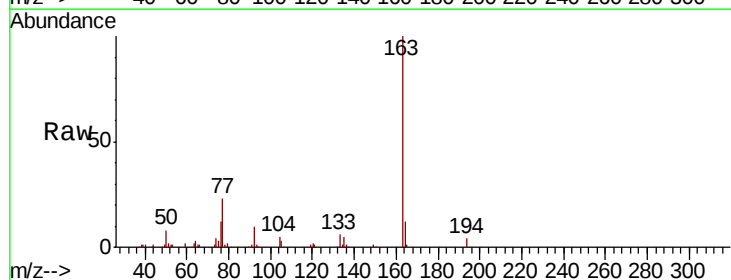
Instrument :
BNA_G
ClientSampleId :

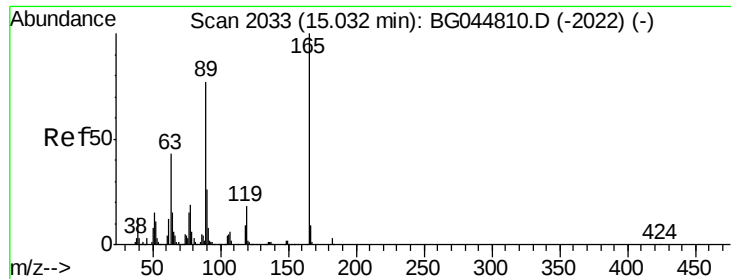
Tot Ion:172 Resp: 1099478
Ion Ratio Lower Upper
172 100
171 37.9 28.7 43.1
170 24.9 19.0 28.6



#50
Dimethylphthalate
Concen: 9.593 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

Tgt Ion:163 Resp: 133195
Ion Ratio Lower Upper
163 100
194 4.0 3.7 5.5
164 11.9 9.1 13.7

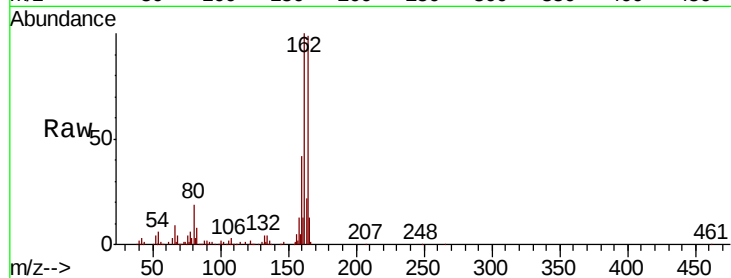




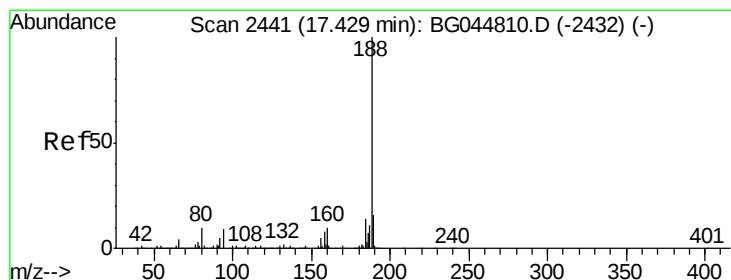
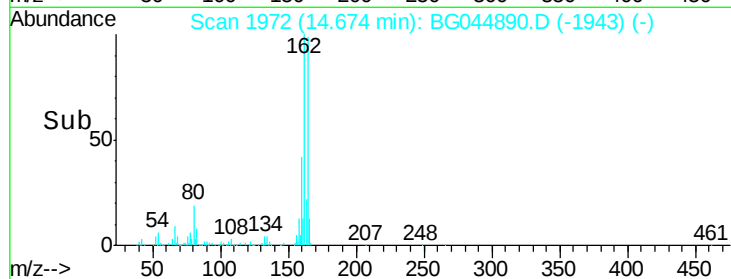
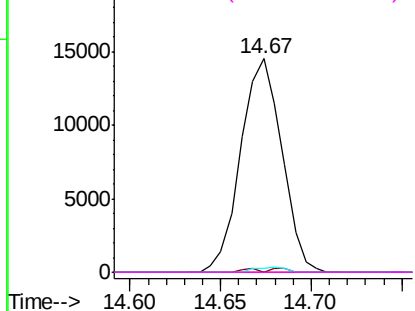
#57
 2,4-Dinitrotoluene
 Concen: 5.982 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG044890.D
 Acq: 19 Mar 2020 9:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 22961
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.6 52.0#
 89 1.7 61.3 91.9#
 182 0.0 2.2 3.2#

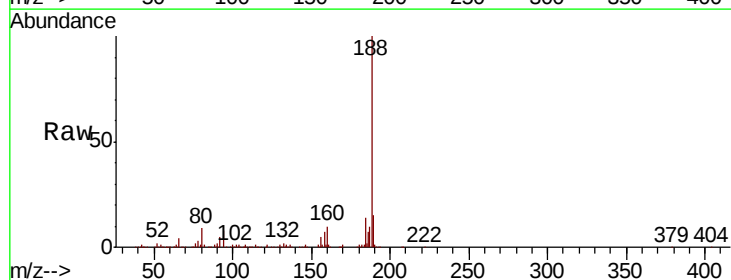


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

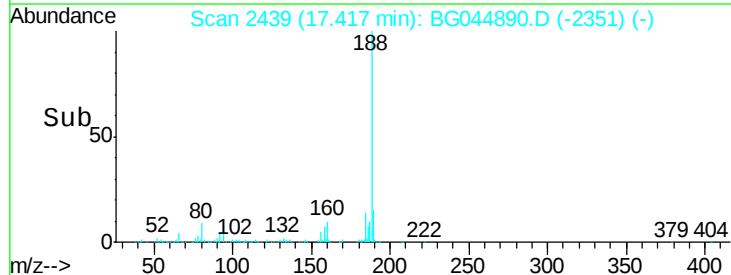
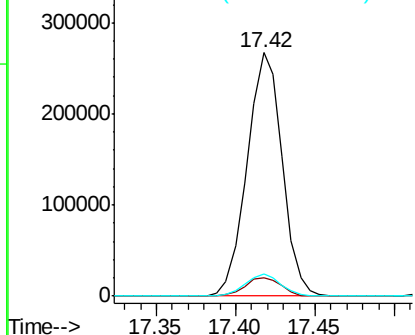


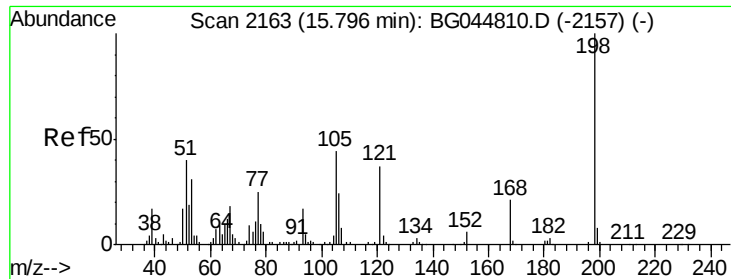
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044890.D
 Acq: 19 Mar 2020 9:42

Tgt Ion:188 Resp: 410535
 Ion Ratio Lower Upper
 188 100
 94 7.5 7.3 10.9
 80 9.0 8.0 12.0



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

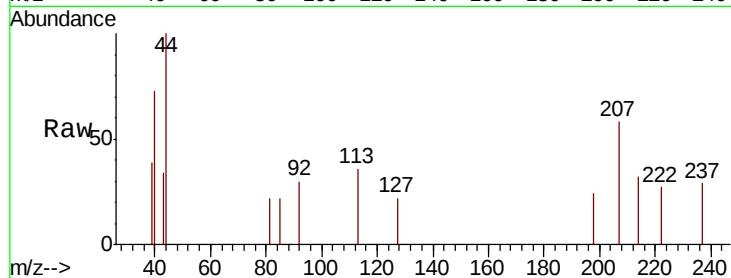




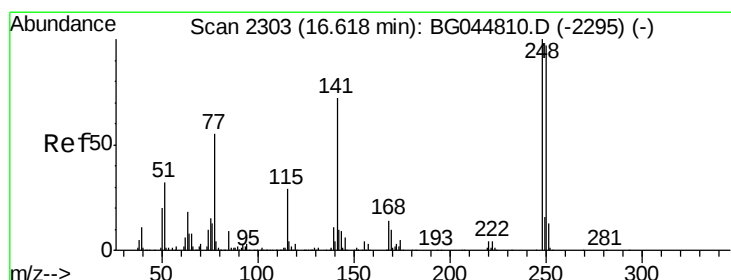
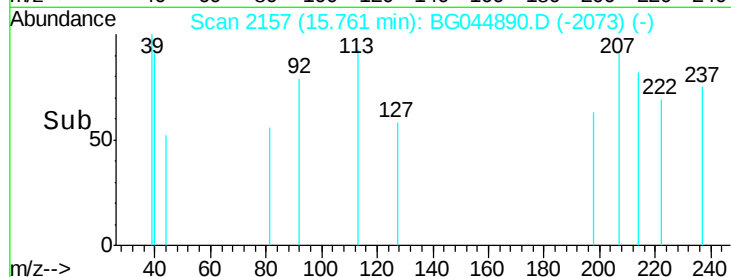
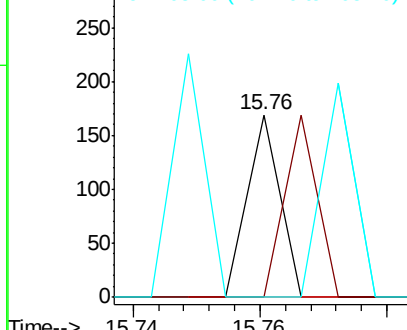
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.754 ng
 RT: 15.76 min Scan# 2157
 Delta R.T. -0.03 min
 Lab File: BG044890.D
 Acq: 19 Mar 2020 9:42

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:198 Resp: 60
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#

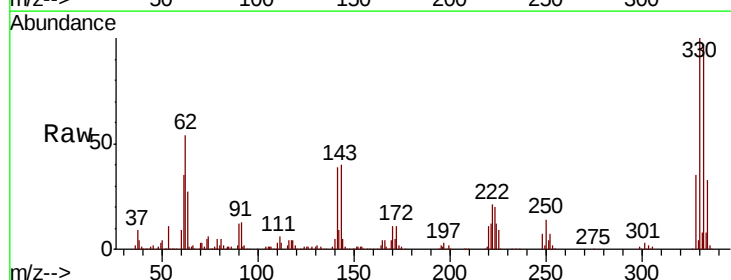


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

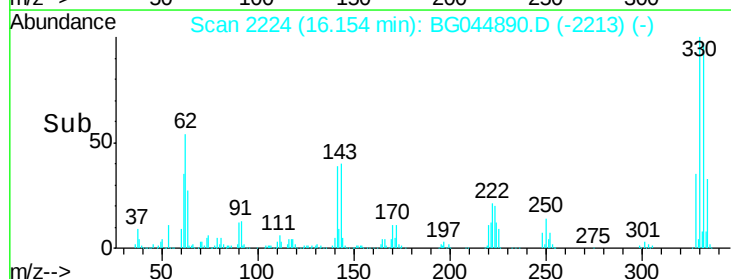
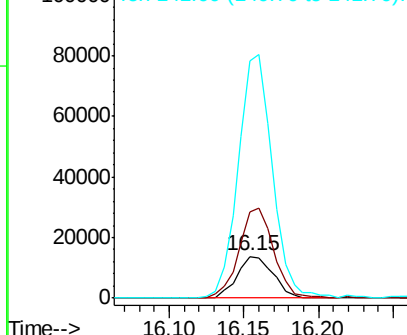


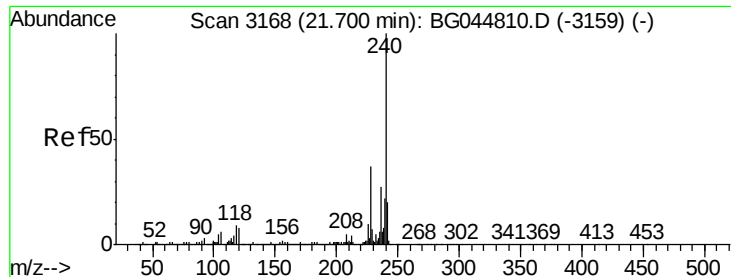
#67
 4-Bromophenyl-phenylether
 Concen: 4.519 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.46 min
 Lab File: BG044890.D
 Acq: 19 Mar 2020 9:42

Tgt Ion:248 Resp: 23195
 Ion Ratio Lower Upper
 248 100
 250 206.6 77.9 116.9#
 141 572.6 57.5 86.3#



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

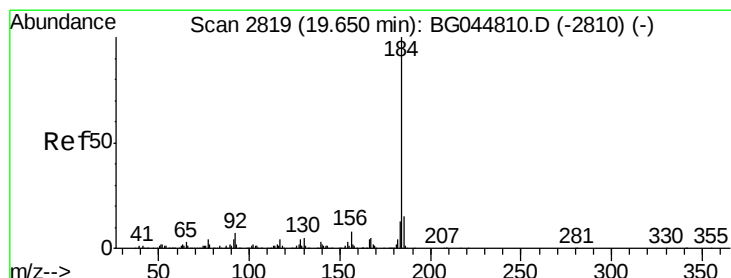
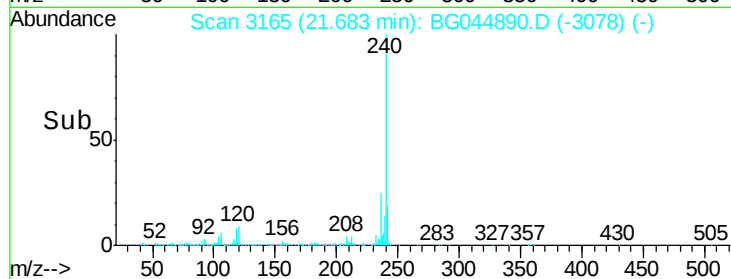
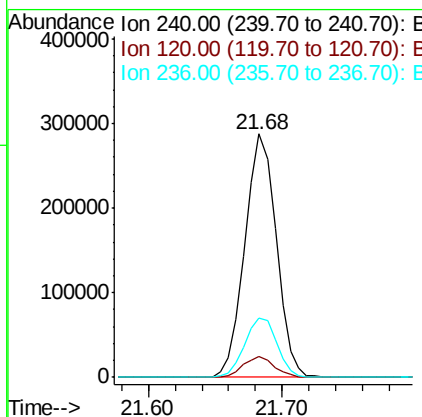
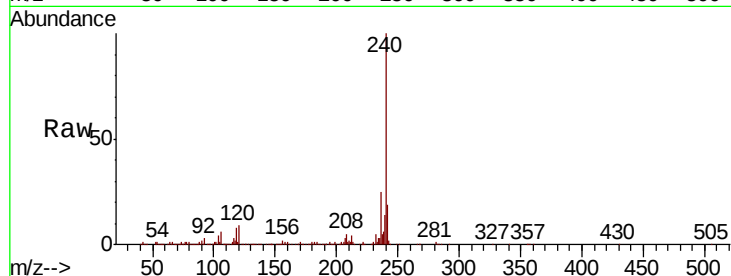




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

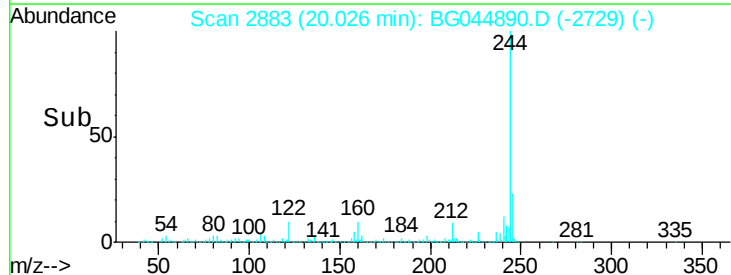
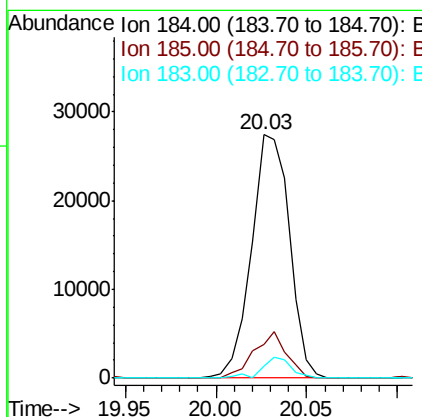
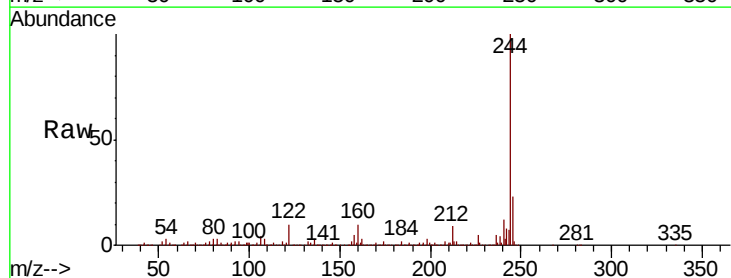
Instrument :
BNA_G
ClientSampleId :

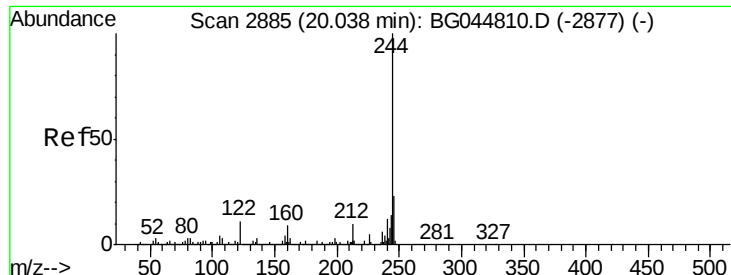
Tot Ion:240 Resp: 468338
Ion Ratio Lower Upper
240 100
120 8.7 6.7 10.1
236 24.6 21.5 32.3



#77
Benzidine
Concen: 2.626 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG044890.D
Acq: 19 Mar 2020 9:42

Tgt Ion:184 Resp: 39929
Ion Ratio Lower Upper
184 100
185 14.0 12.2 18.4
183 5.0 10.7 16.1#





#79

Terphenyl-d14

Concen: 81.855 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044890.D

Acq: 19 Mar 2020 9:42

Instrument :

BNA_G

ClientSampleId :

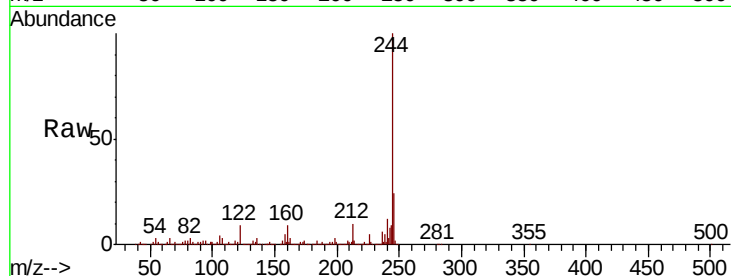
Tot Ion:244 Resp: 2049435

Ion Ratio Lower Upper

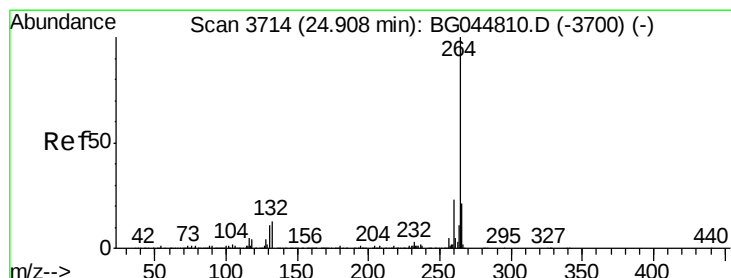
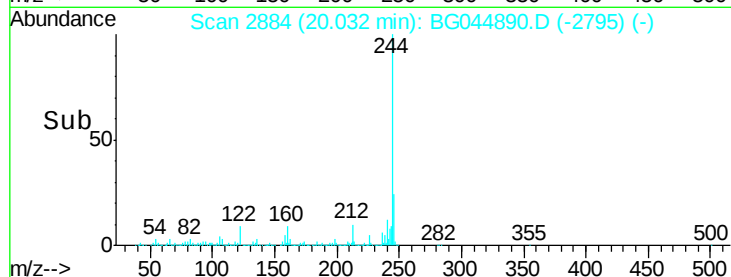
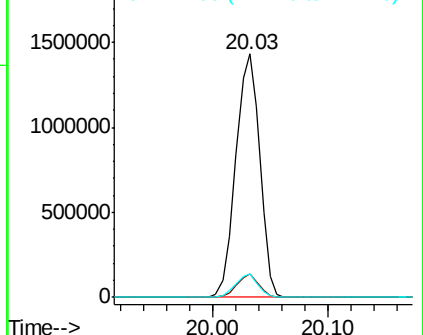
244 100

212 9.5 7.7 11.5

122 9.5 8.6 12.8



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: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044890.D

Acq: 19 Mar 2020 9:42

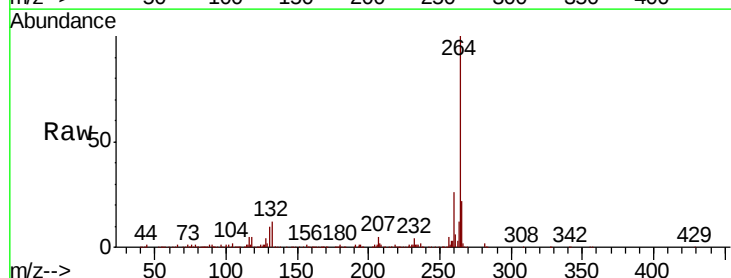
Tgt Ion:264 Resp: 483934

Ion Ratio Lower Upper

264 100

260 25.7 18.1 27.1

265 22.0 17.1 25.7



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

