

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044834.D
 Acq On : 17 Mar 2020 15:13
 Operator : CG/JU
 Sample : L1907-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:44:44 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

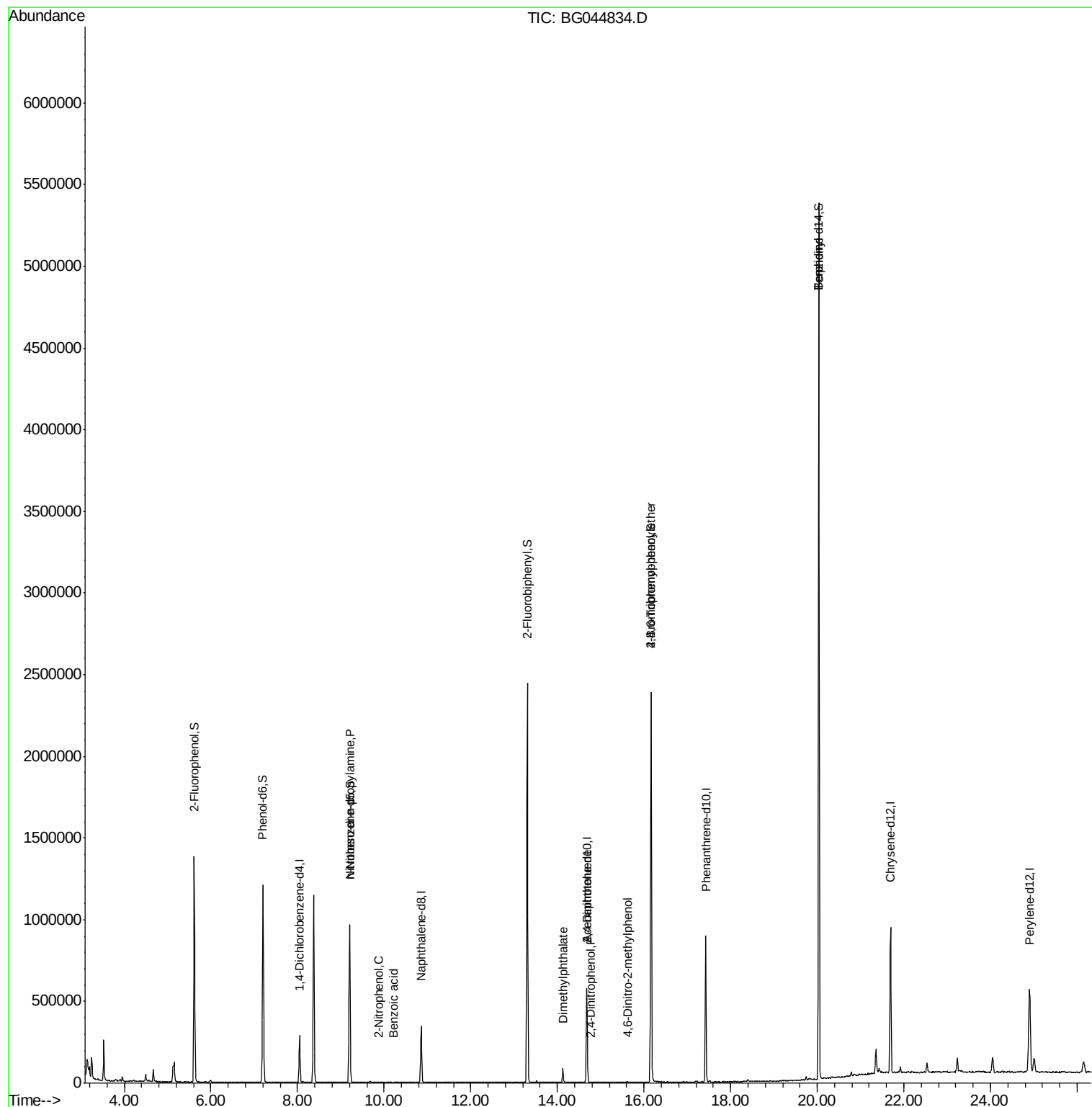
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	80053	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	305656	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	218209	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	550999	20.00	ng	0.00
76) Chrysene-d12	21.69	240	513209	20.00	ng	0.00
87) Perylene-d12	24.90	264	568719	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	597294	116.15	ng	0.00
7) Phenol-d6	7.20	99	744726	99.67	ng	0.00
23) Nitrobenzene-d5	9.20	82	633135	90.90	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	471781	165.13	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1312648	86.14	ng	0.00
79) Terphenyl-d14	20.04	244	2492719	90.85	ng	0.00
Target Compounds						
9) Benzaldehyde	7.16	77	109	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.21	70	84256	15.970	ng	# 45
26) 2-Nitrophenol	9.87	139	79	5.543	ng	# 28
32) Benzoic acid	10.21	122	61	9.684	ng	# 1
50) Dimethylphthalate	14.13	163	60902	3.504	ng	# 94
54) 2,4-Dinitrophenol	14.76	184	68	8.356	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	28296	5.890	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.62	198	61	7.748	ng	# 24
67) 4-Bromophenyl-phenylether	16.17	248	32311	4.691	ng	# 1
77) Benzidine	20.04	184	49488	2.970	ng	# 90

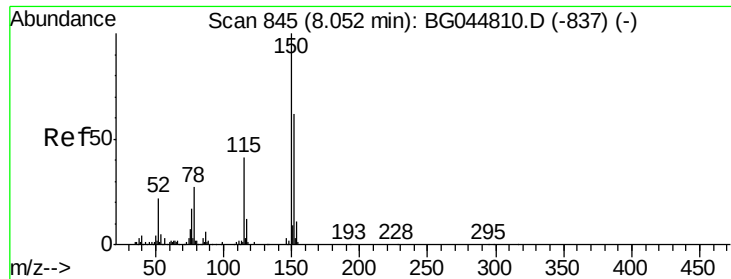
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
Data File : BG044834.D
Acq On : 17 Mar 2020 15:13
Operator : CG/JU
Sample : L1907-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Mar 18 11:44:44 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



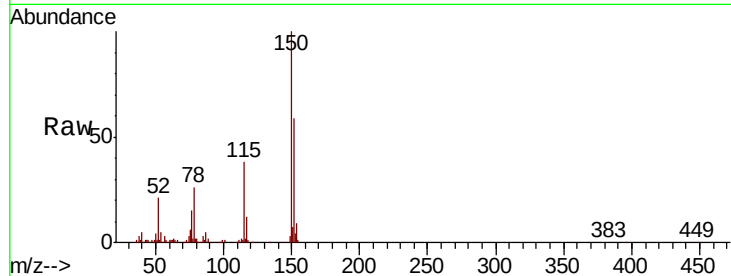


#1

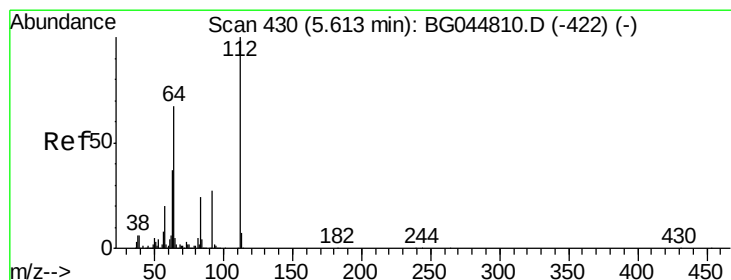
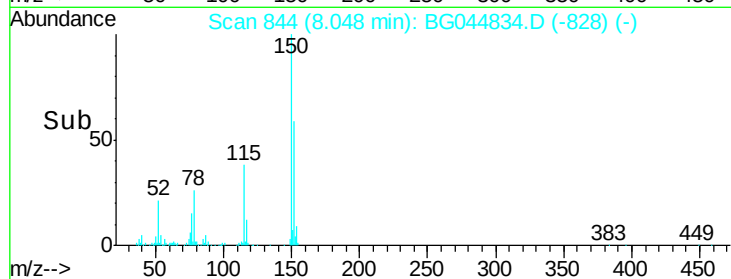
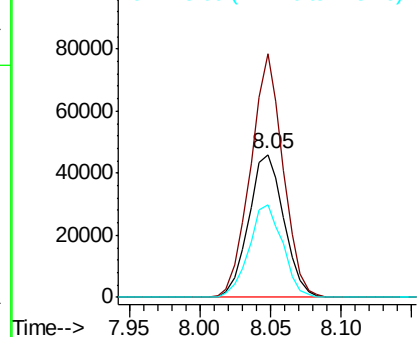
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG044834.D
 Acq: 17 Mar 2020 15:13

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	170.6	128.8	193.2
115	64.5	52.6	79.0



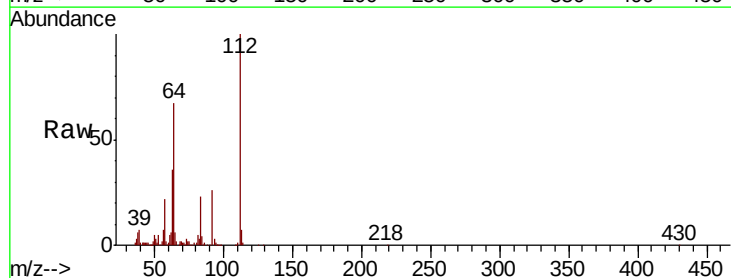
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



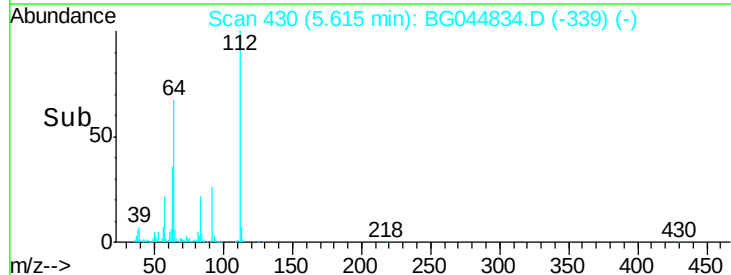
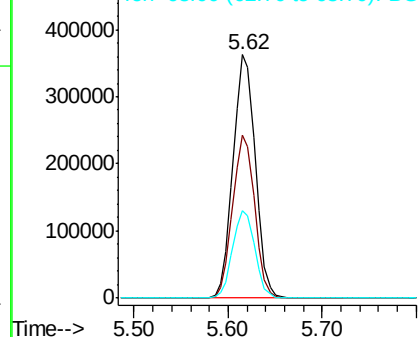
#5

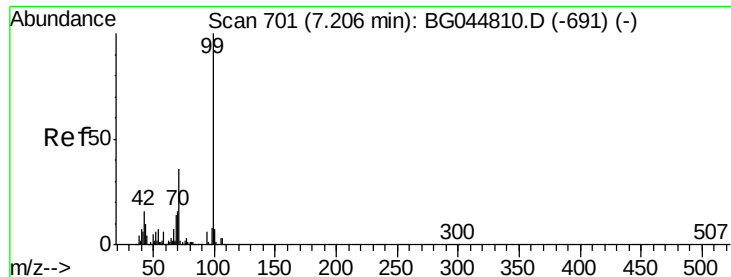
2-Fluorophenol
 Concen: 116.148 ng
 RT: 5.62 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044834.D
 Acq: 17 Mar 2020 15:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	53.4	80.2
63	36.1	29.4	44.2



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: 99.673 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

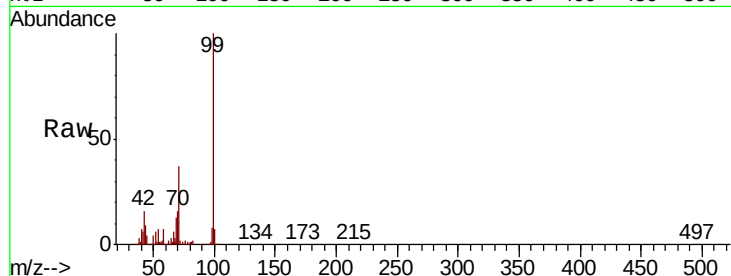
Tot Ion: 99 Resp: 744726

Ion Ratio Lower Upper

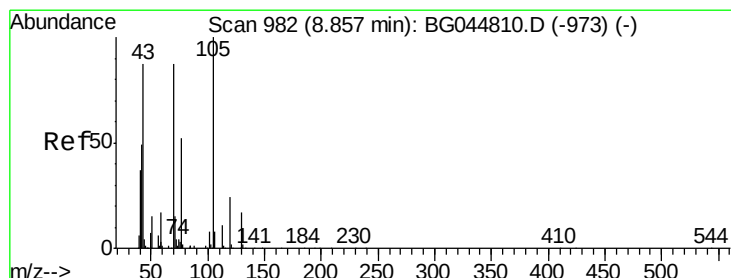
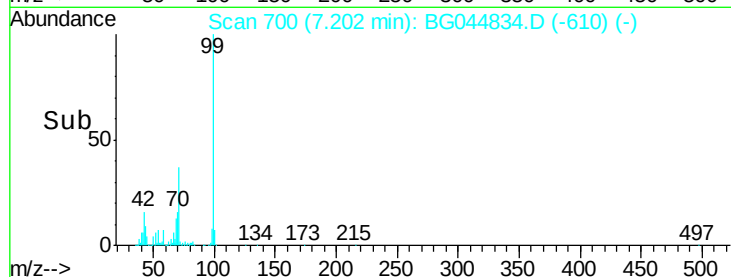
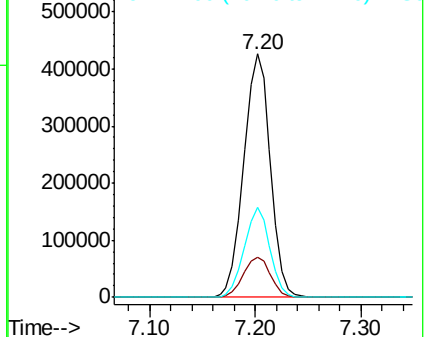
99 100

42 16.3 12.6 19.0

71 37.0 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: 15.970 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

Tgt Ion: 70 Resp: 84256

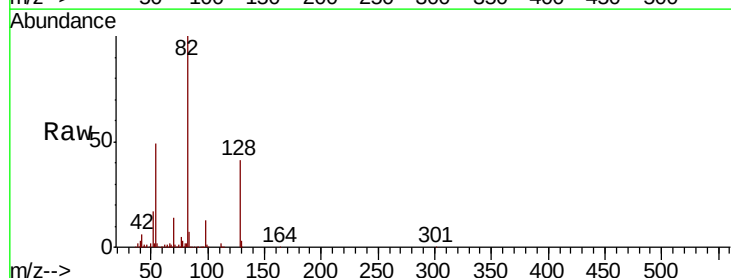
Ion Ratio Lower Upper

70 100

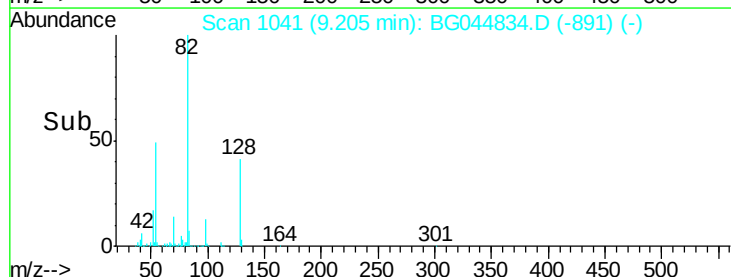
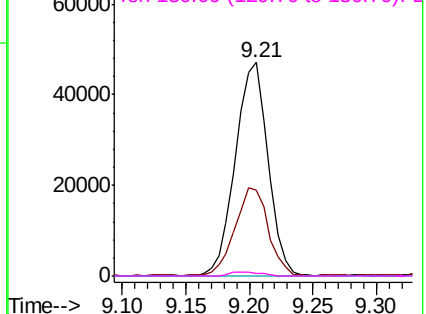
42 40.0 45.7 68.5#

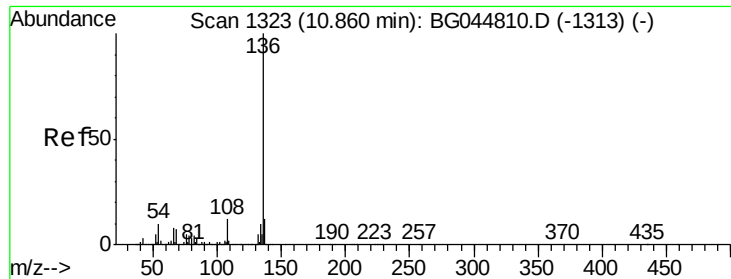
101 0.0 7.4 11.2#

130 1.3 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

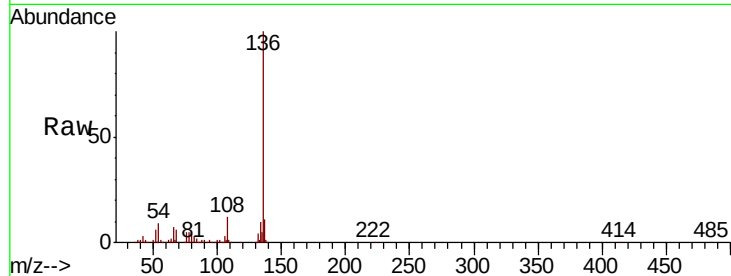




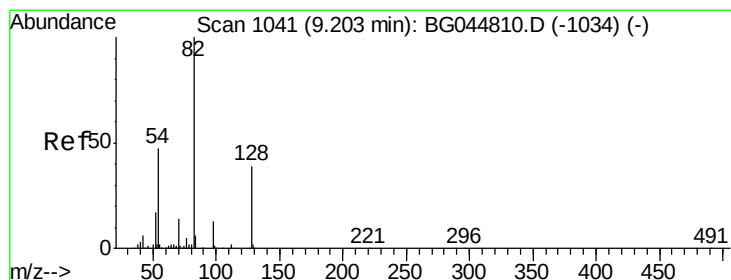
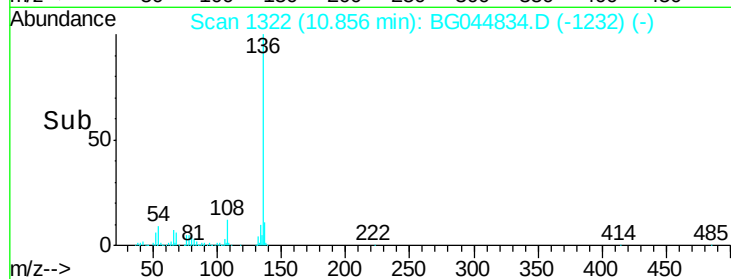
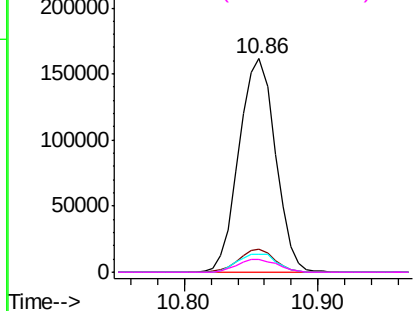
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044834.D
Acq: 17 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	305656	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.8	14.6	
54 8.7	7.9	11.9	
68 6.3	5.4	8.0	

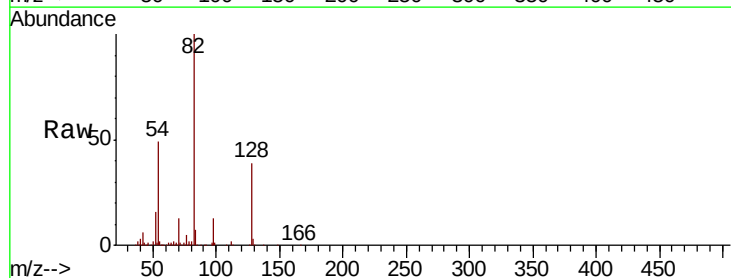


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

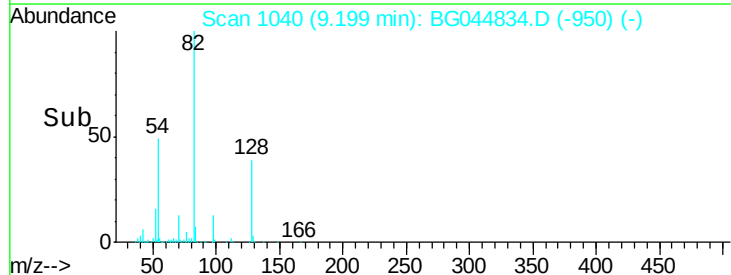
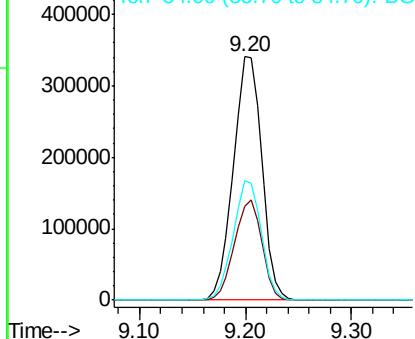


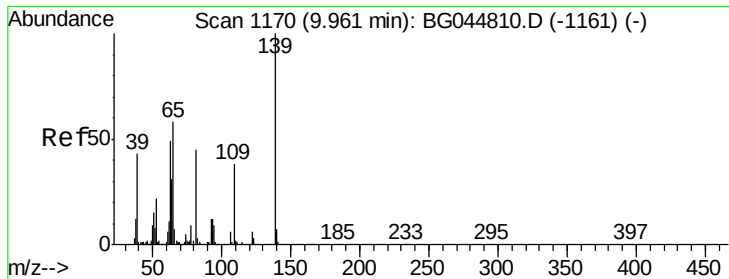
#23
Nitrobenzene-d5
Concen: 90.896 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044834.D
Acq: 17 Mar 2020 15:13

Tgt Ion: 82	Resp: 633135
Ion Ratio	Lower Upper
82 100	
128 38.5	30.6 46.0
54 49.2	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: 5.543 ng

RT: 9.87 min Scan# 1155

Delta R.T. -0.09 min

Lab File: BG044834.D

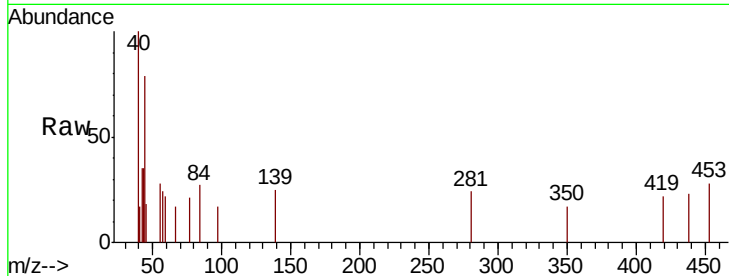
Acq: 17 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

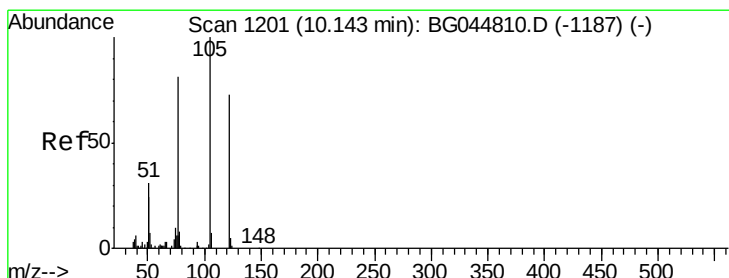
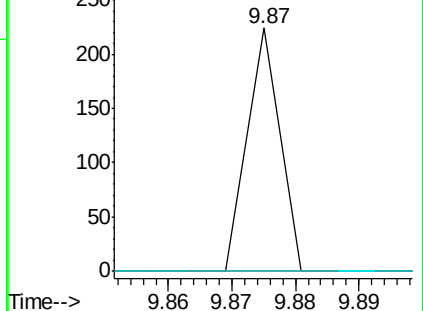
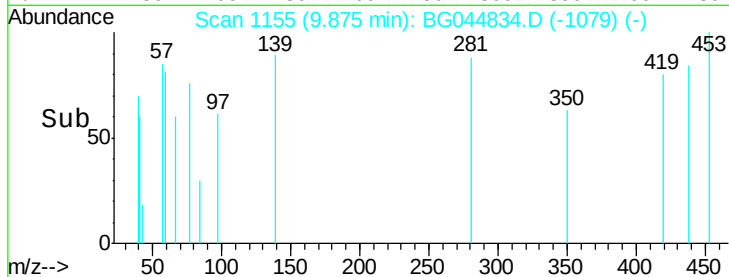
Tot Ion:139	Resp:	79
Ion Ratio	Lower	Upper
139	100	
109	0.0	30.2 45.4#
65	0.0	46.3 69.5#



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: 9.684 ng

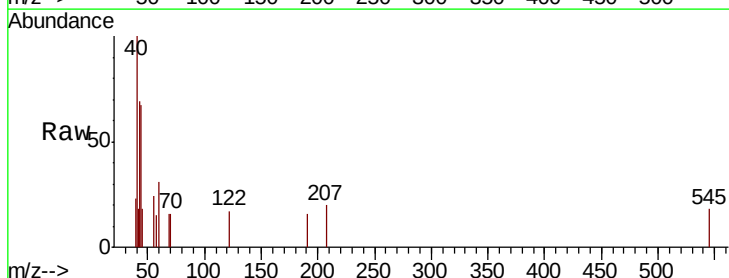
RT: 10.21 min Scan# 1212

Delta R.T. 0.07 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

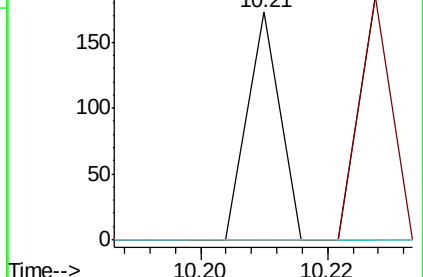
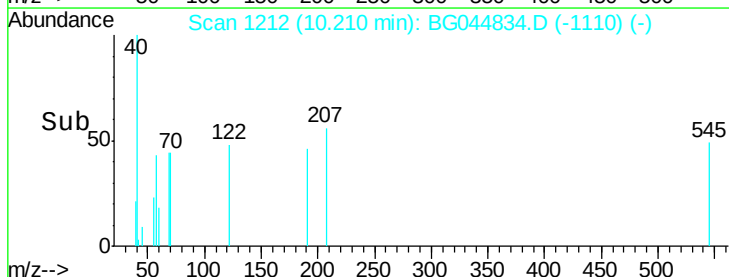
Tgt Ion:122	Resp:	61
Ion Ratio	Lower	Upper
122	100	
105	0.0	109.1 149.1#
77	0.0	85.3 125.3#

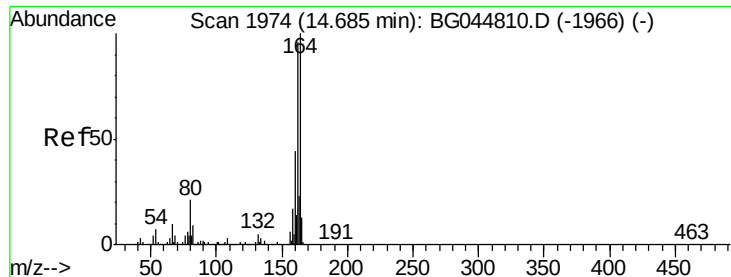


Abundance Ion 122.00 (121.70 to 122.70): E

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: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

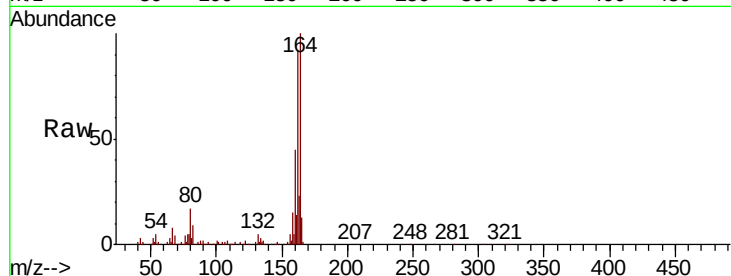
Tot Ion:164 Resp: 218209

Ion Ratio Lower Upper

164 100

162 92.5 76.7 115.1

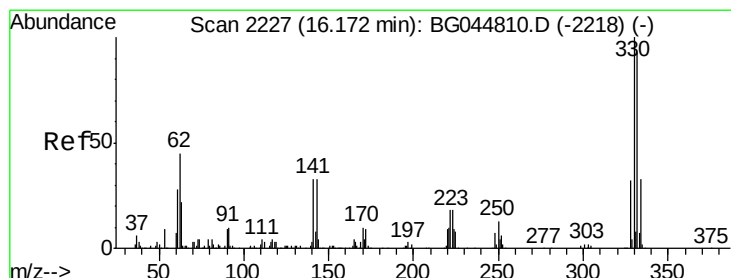
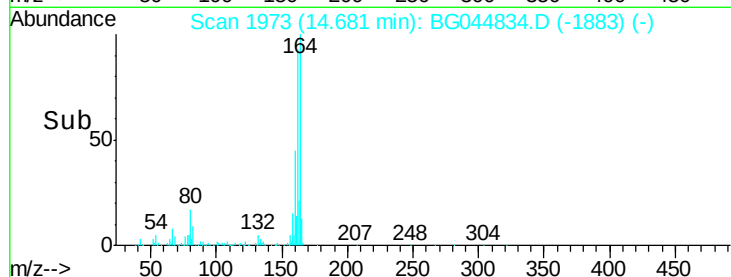
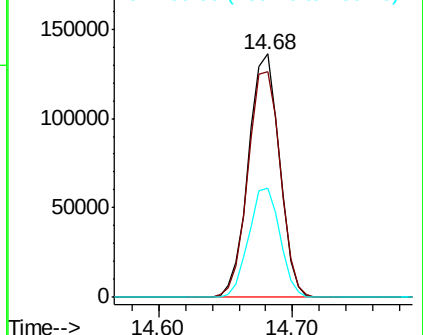
160 44.8 35.0 52.4



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: 165.125 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

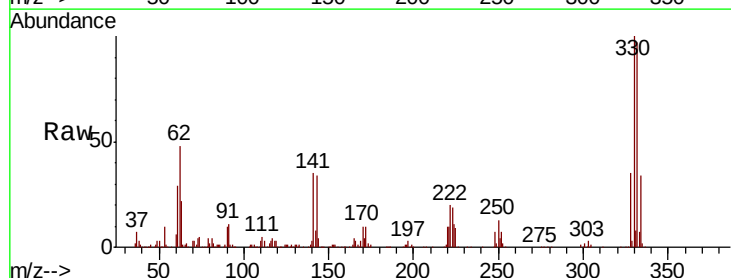
Tgt Ion:330 Resp: 471781

Ion Ratio Lower Upper

330 100

332 97.3 77.8 116.6

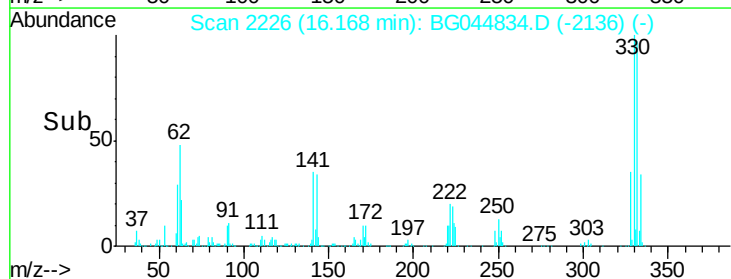
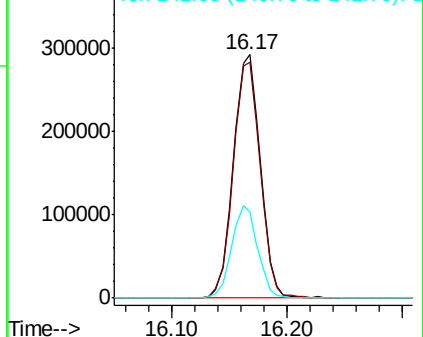
141 36.8 29.5 44.3

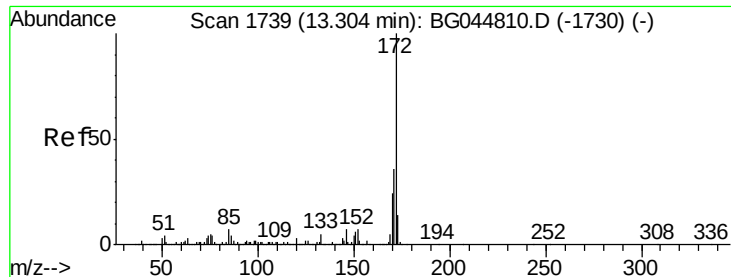


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

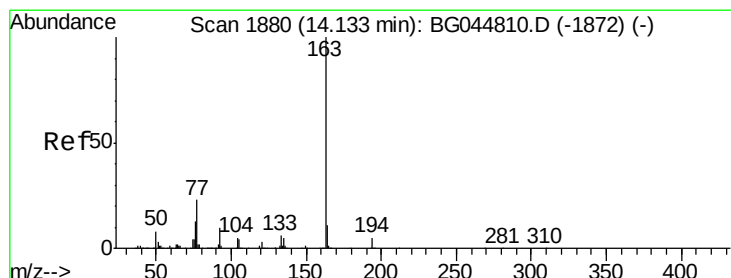
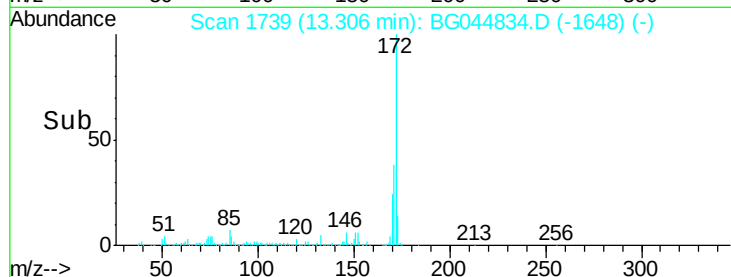
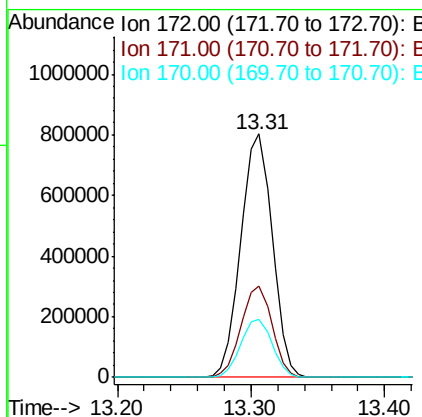
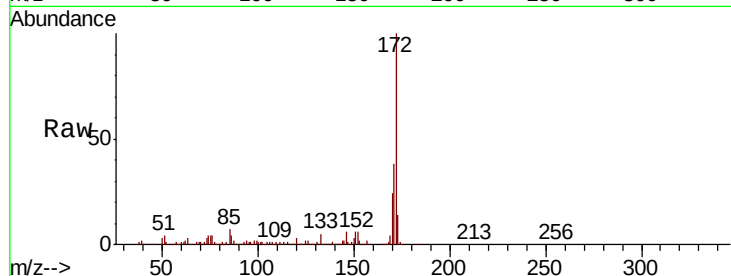




#45
2-Fluorobiphenyl
Concen: 86.145 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044834.D
Acq: 17 Mar 2020 15:13

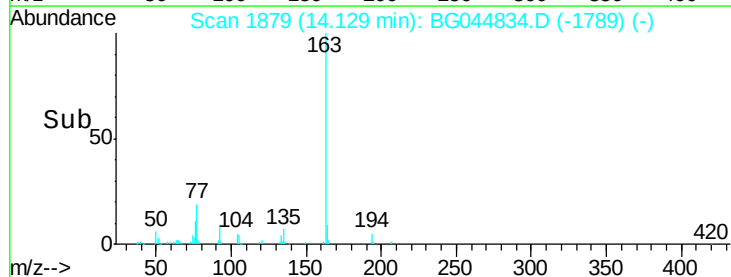
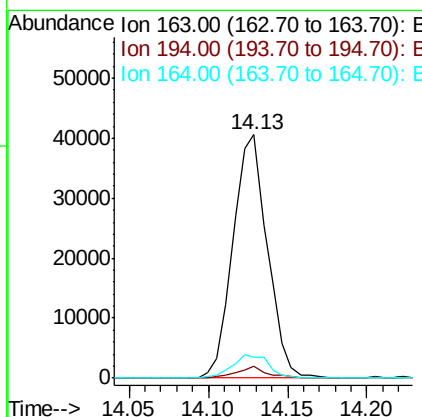
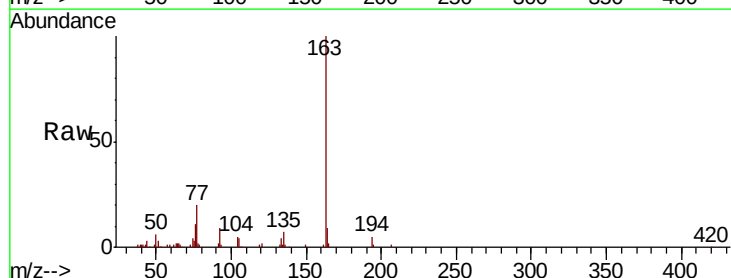
Instrument :
BNA_N
ClientSampleId :

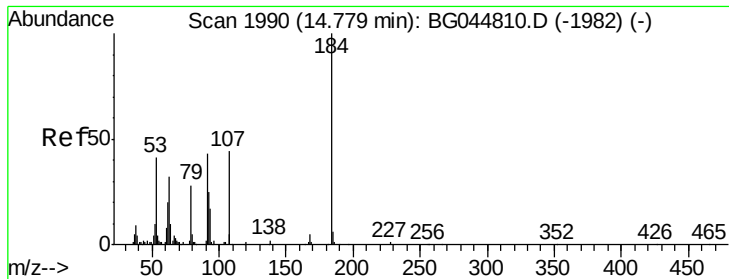
Tot Ion:172 Resp: 1312648
Ion Ratio Lower Upper
172 100
171 37.6 28.7 43.1
170 23.9 19.0 28.6



#50
Dimethylphthalate
Concen: 3.504 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG044834.D
Acq: 17 Mar 2020 15:13

Tgt Ion:163 Resp: 60902
Ion Ratio Lower Upper
163 100
194 5.1 3.7 5.5
164 8.6 9.1 13.7#

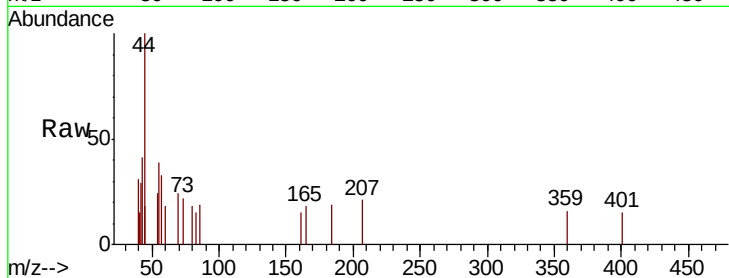




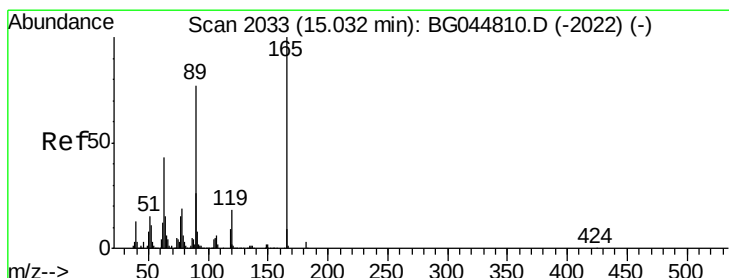
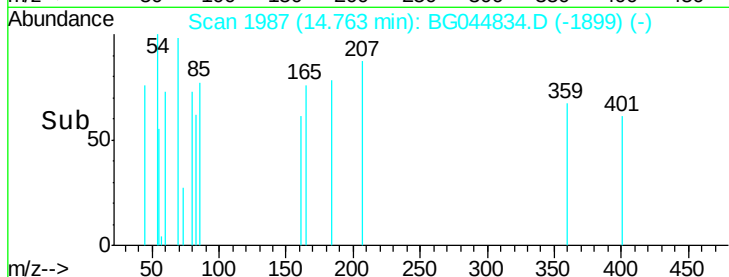
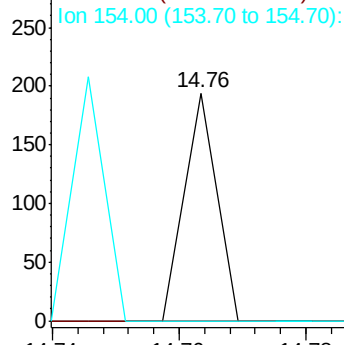
#54
2,4-Dinitrophenol
Concen: 8.356 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.02 min
Lab File: BG044834.D
Acq: 17 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

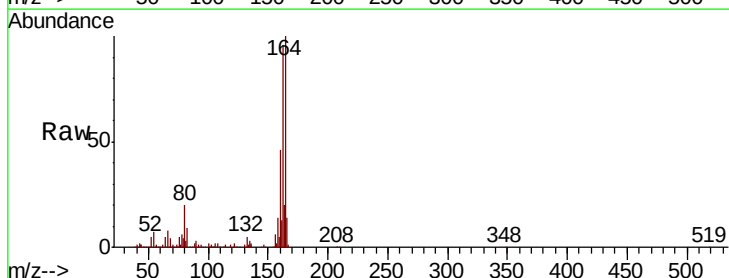


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E

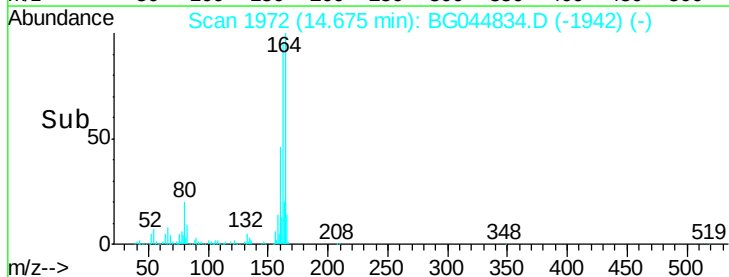
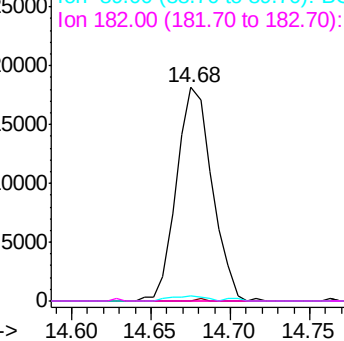


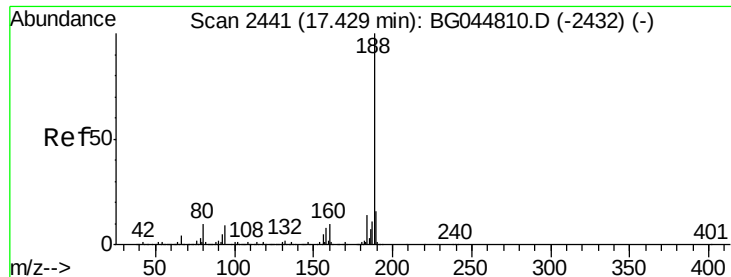
#57
2,4-Dinitrotoluene
Concen: 5.890 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044834.D
Acq: 17 Mar 2020 15:13

Tgt Ion:165 Resp: 28296
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 2.4 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): BG0
Ion 89.00 (88.70 to 89.70): BG0
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

Instrument :

BNA_N

ClientSampled :

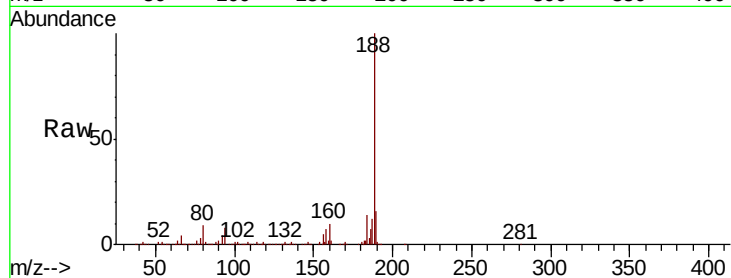
Tot Ion:188 Resp: 550999

Ion Ratio Lower Upper

188 100

94 8.2 7.3 10.9

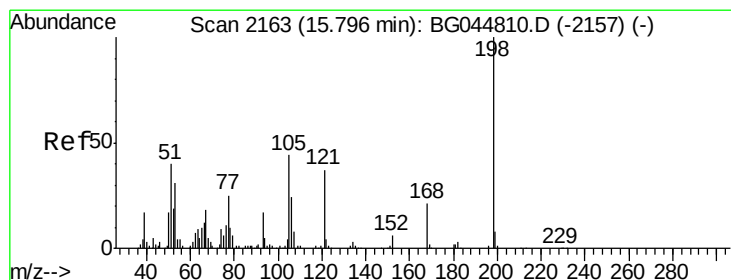
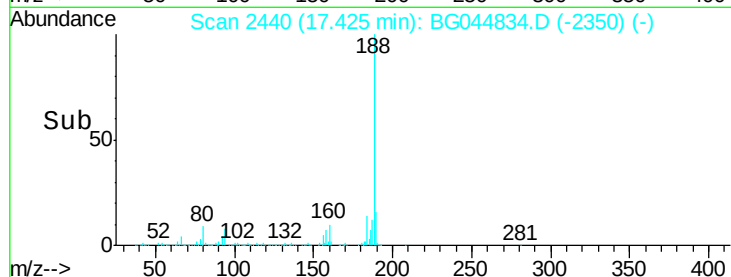
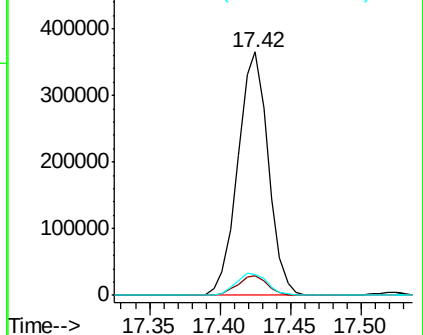
80 8.8 8.0 12.0



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: 7.748 ng

RT: 15.62 min Scan# 2133

Delta R.T. -0.17 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

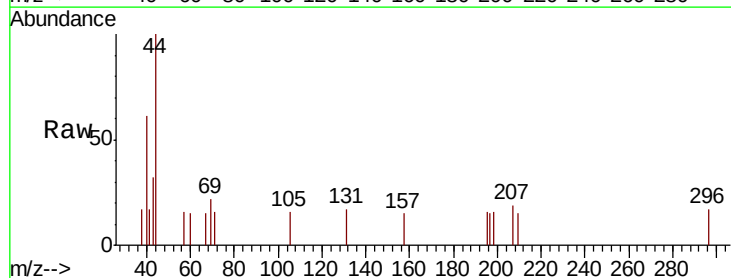
Tgt Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

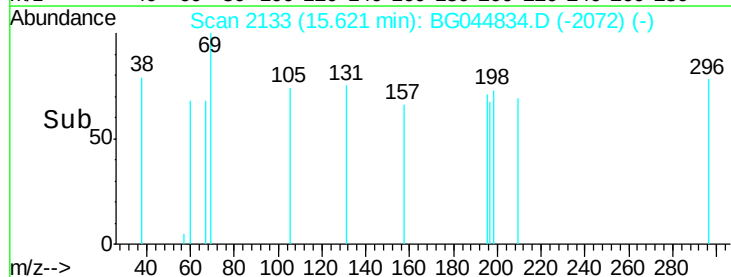
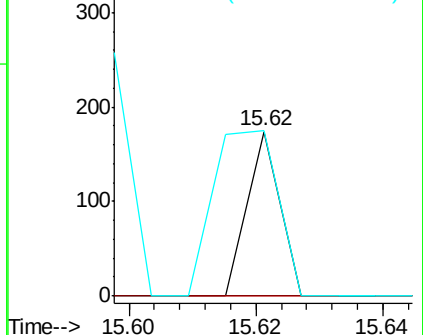
105 100.6 24.5 64.5#

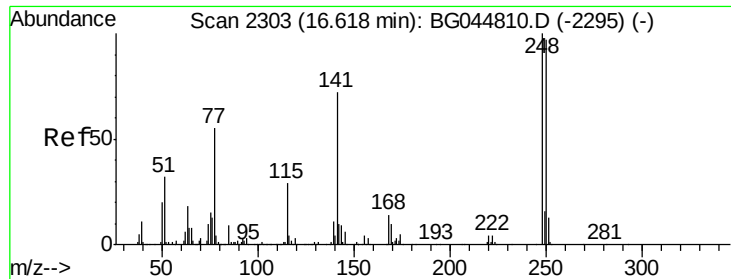


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.691 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.45 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

Instrument :

BNA_N

ClientSampled :

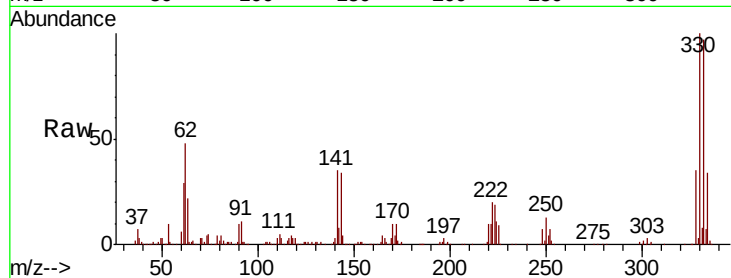
Tot Ion:248 Resp: 32311

Ion Ratio Lower Upper

248 100

250 188.1 77.9 116.9#

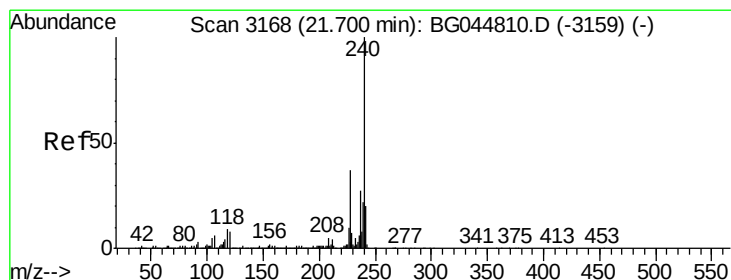
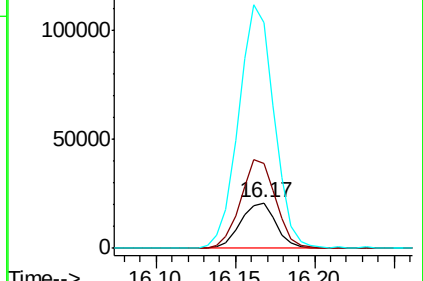
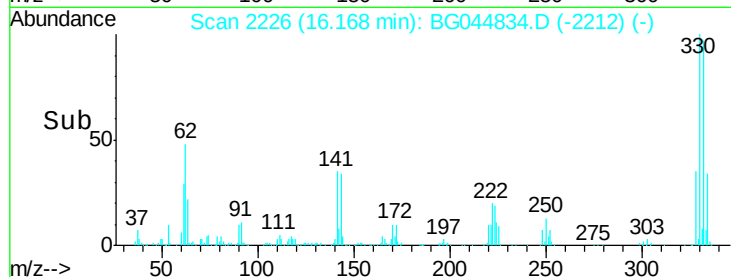
141 499.3 57.5 86.3#



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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

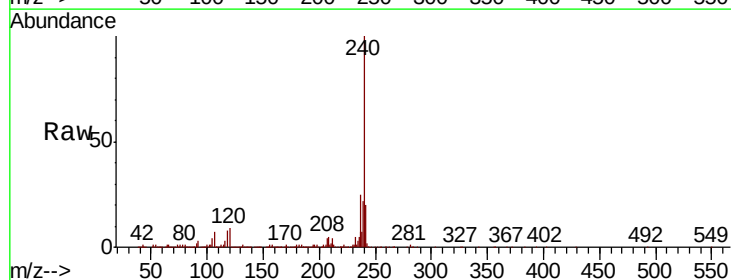
Tgt Ion:240 Resp: 513209

Ion Ratio Lower Upper

240 100

120 8.5 6.7 10.1

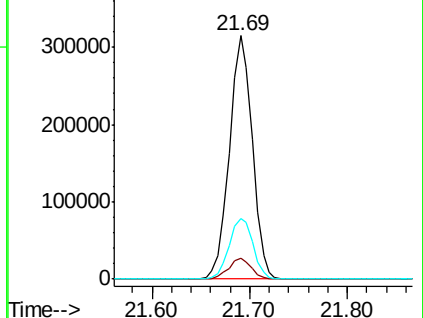
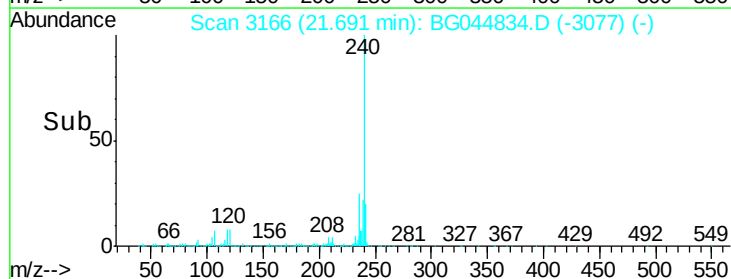
236 24.8 21.5 32.3

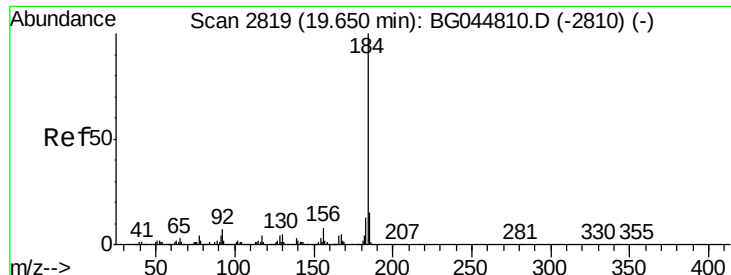


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.970 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.39 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

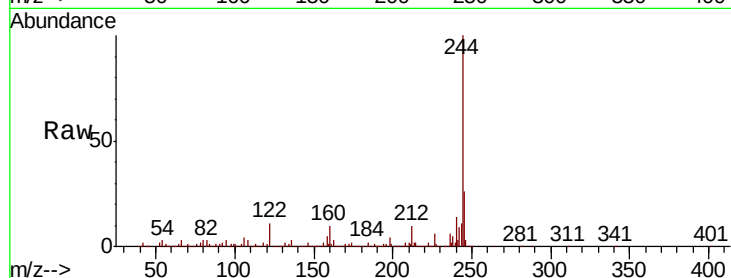
Tot Ion:184 Resp: 49488

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.4

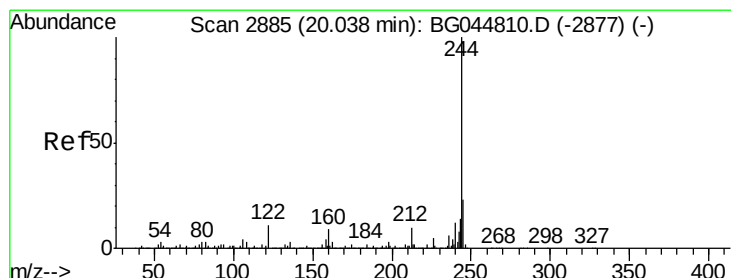
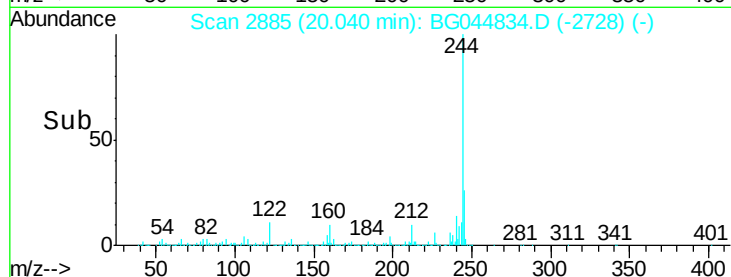
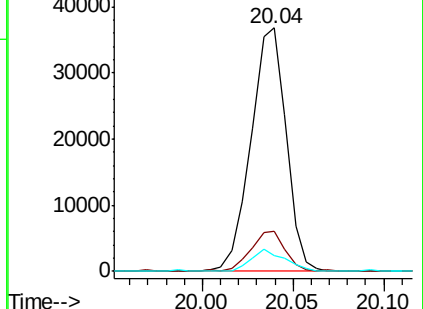
183 6.5 10.7 16.1#



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: 90.855 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044834.D

Acq: 17 Mar 2020 15:13

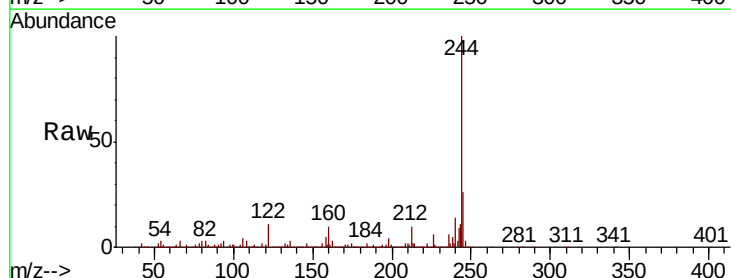
Tgt Ion:244 Resp: 2492719

Ion Ratio Lower Upper

244 100

212 10.4 7.7 11.5

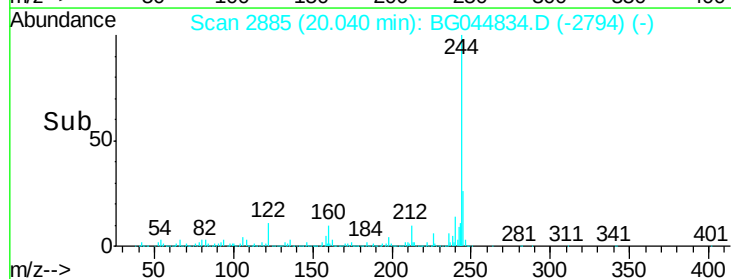
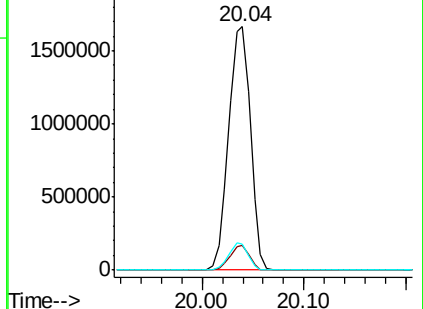
122 10.8 8.6 12.8

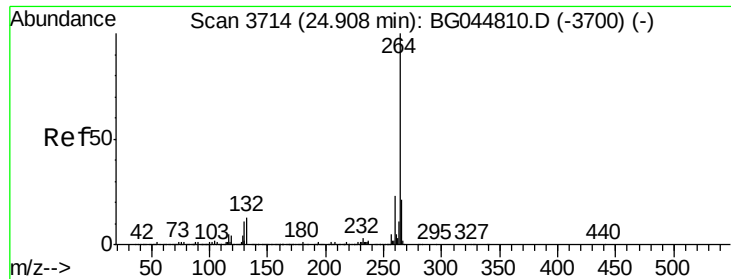


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

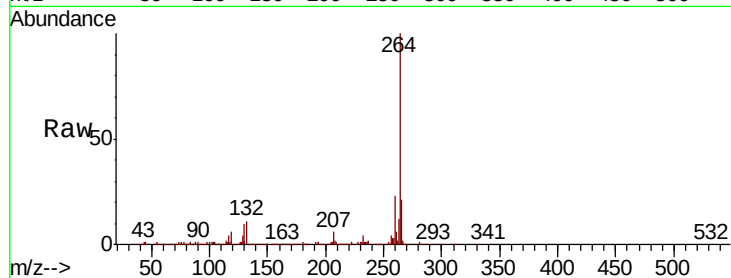




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG044834.D
Acq: 17 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.1	27.1
265	21.0	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

