

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031920\
 Data File : BG044913.D
 Acq On : 20 Mar 2020 1:33
 Operator : CG/JU
 Sample : L1954-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-11A

Quant Time: Mar 20 02:50:28 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	69488	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	263319	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	175204	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	429445	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	449795	20.00	ng	-0.02
87) Perylene-d12	24.88	264	481602	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	491052	110.01	ng	0.00
7) Phenol-d6	7.20	99	599979	92.51	ng	0.00
23) Nitrobenzene-d5	9.20	82	525835	87.63	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	349792	152.48	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1079728	88.25	ng	0.00
79) Terphenyl-d14	20.03	244	1968694	81.87	ng	0.00

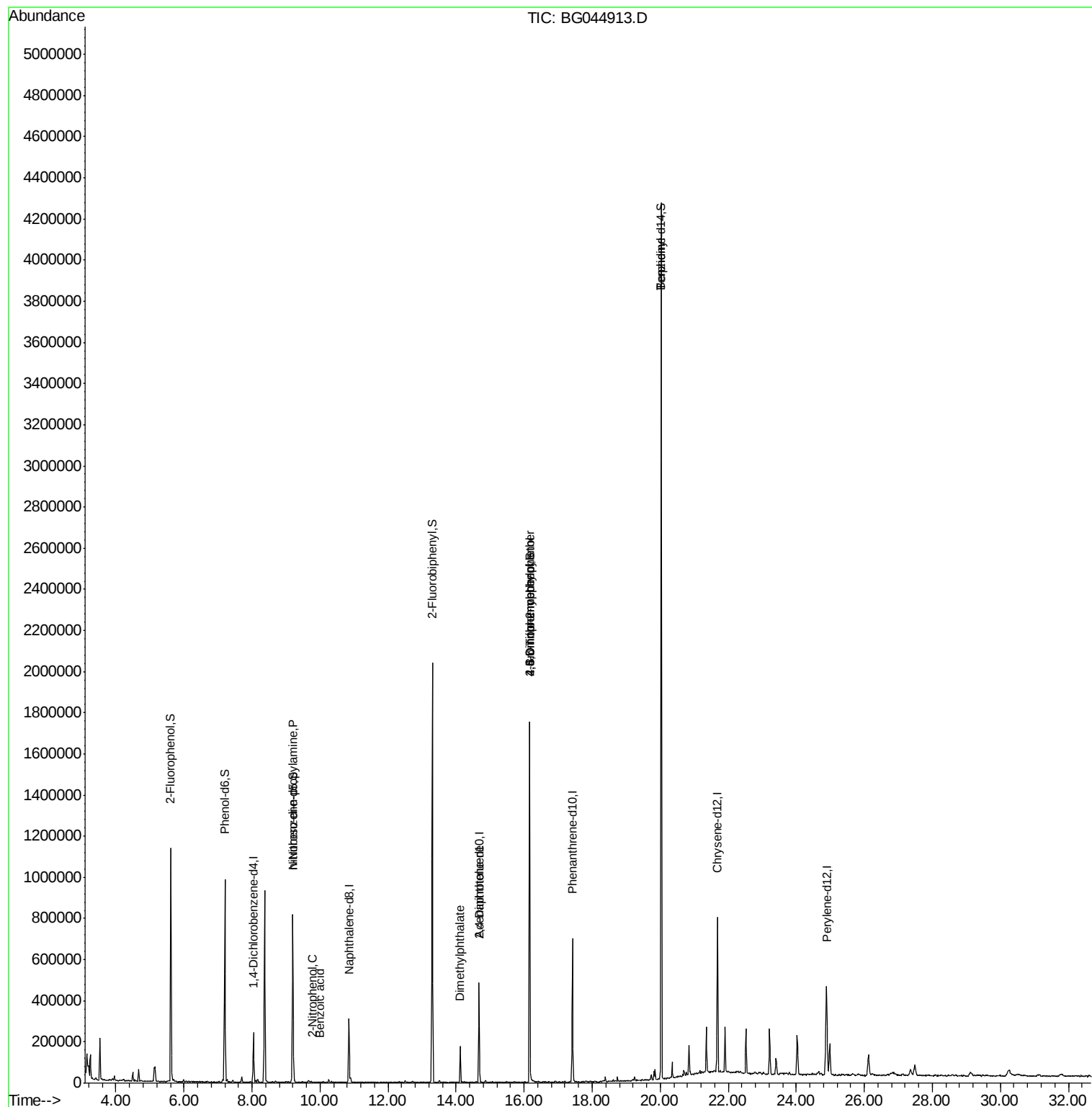
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1778	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	9.20	70	69857	15.25	ng	80
26) 2-Nitrophenol	9.77	139	80	5.55	ng	28
32) Benzoic acid	9.98	122	72	9.69	ng	1
50) Dimethylphthalate	14.12	163	120121	8.61	ng	97
57) 2,4-Dinitrotoluene	14.67	165	22695	5.88	ng	22
65) 4,6-Dinitro-2-methylphenol	16.16	198	1047	8.16	ng	1
67) 4-Bromophenyl-phenylether	16.16	248	24522	4.57	ng	1
77) Benzidine	20.03	184	39376	2.70	ng	91

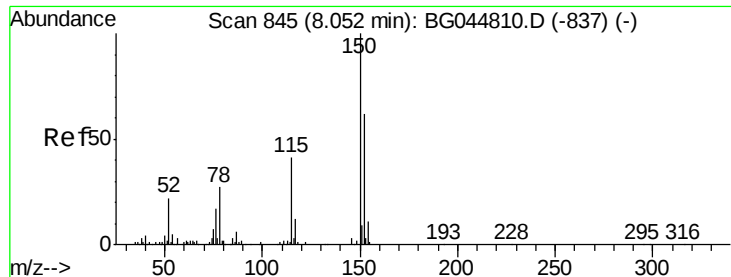
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031920\
Data File : BG044913.D
Acq On : 20 Mar 2020 1:33
Operator : CG/JU
Sample : L1954-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-11A

Quant Time: Mar 20 02:50:28 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: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

Instrument :

BNA_G

ClientSampleId :

TP-11A

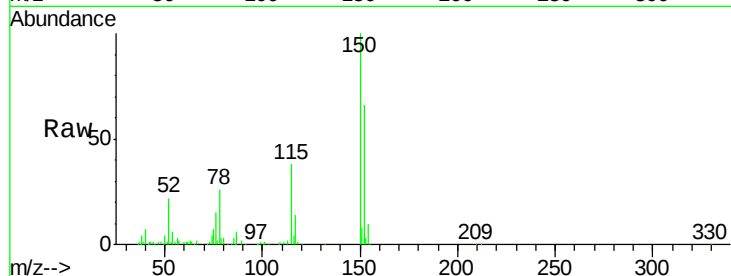
Tgt Ion:152 Resp: 69488

Ion Ratio Lower Upper

152 100

150 152.3 128.8 193.2

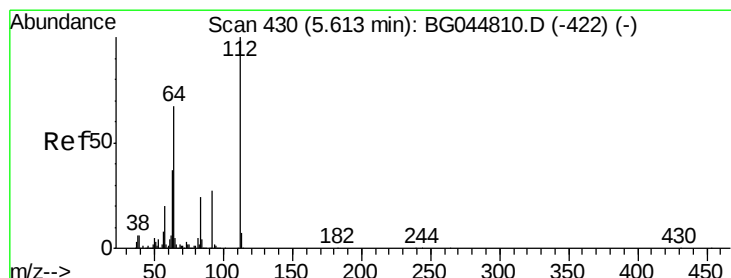
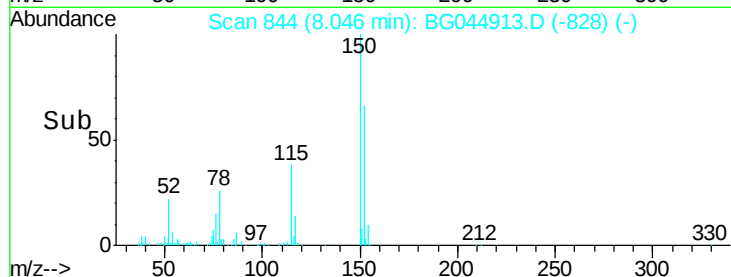
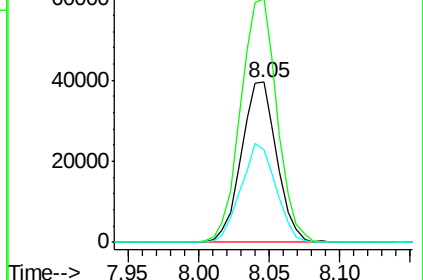
115 57.7 52.6 79.0



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: 110.01 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

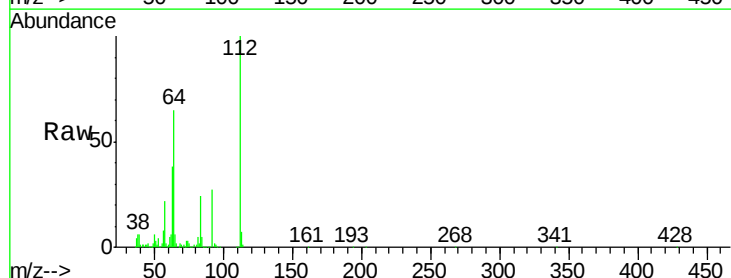
Tgt Ion:112 Resp: 491052

Ion Ratio Lower Upper

112 100

64 65.3 53.4 80.2

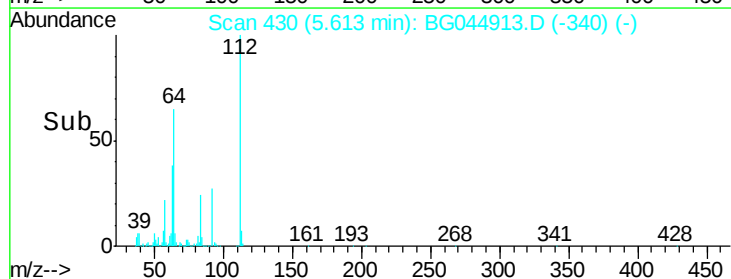
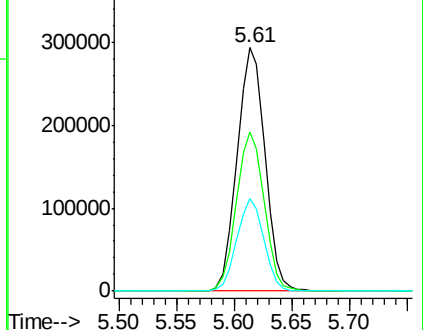
63 38.1 29.4 44.2

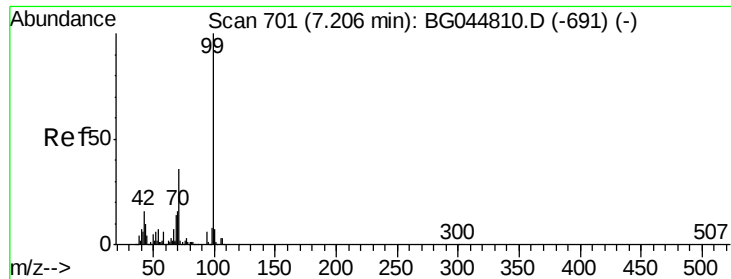


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 92.51 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

Instrument :

BNA_G

ClientSampleId :

TP-11A

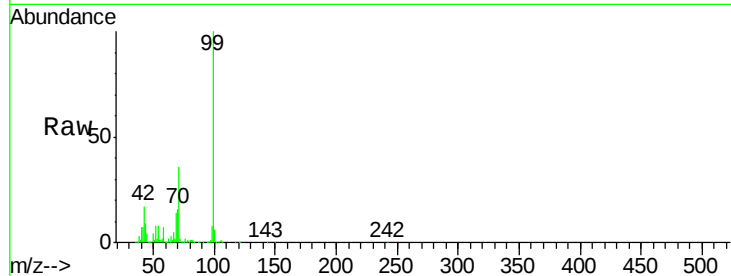
Tgt Ion: 99 Resp: 599979

Ion Ratio Lower Upper

99 100

42 16.9 12.6 19.0

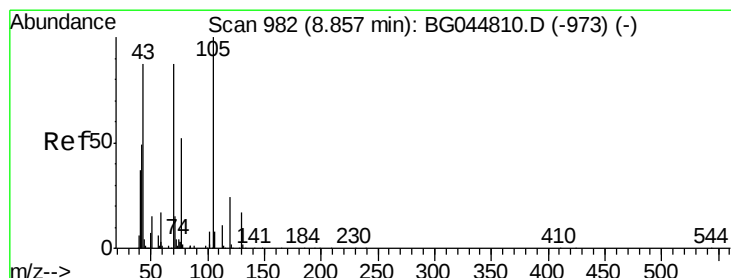
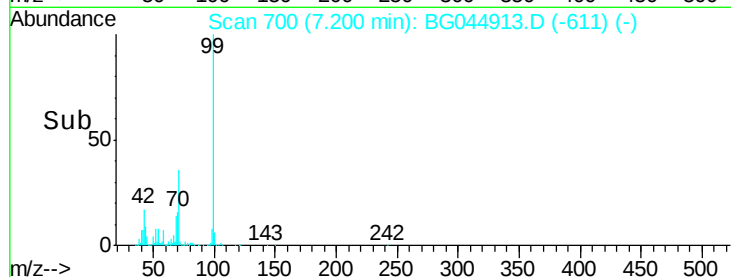
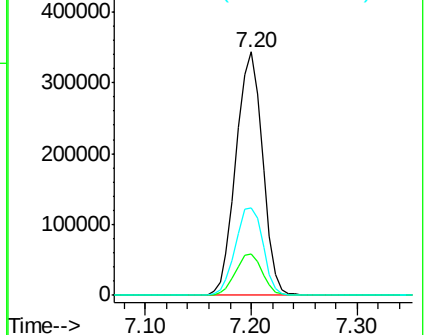
71 36.2 29.0 43.4



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: 15.25 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

Tgt Ion: 70 Resp: 69857

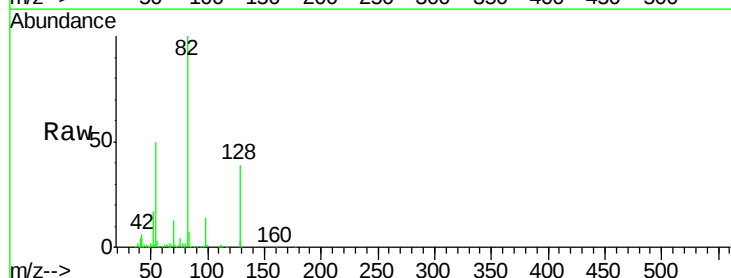
Ion Ratio Lower Upper

70 100

42 48.1 45.7 68.5

101 0.0 7.4 11.2#

130 2.5 15.9 23.9#

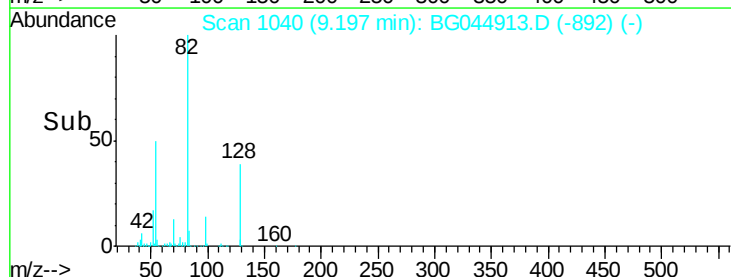
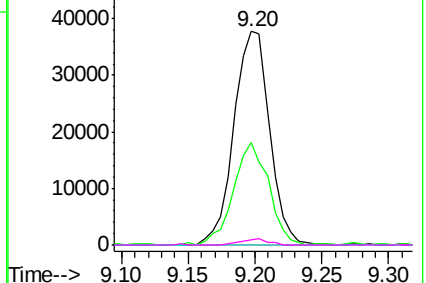


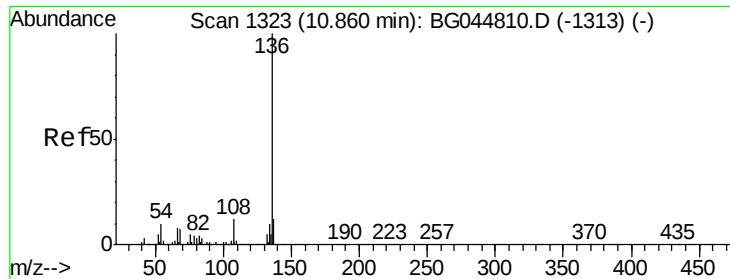
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

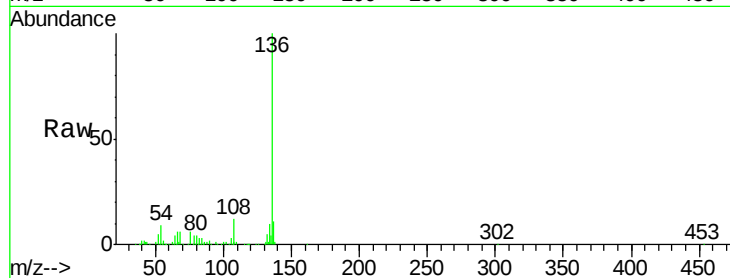




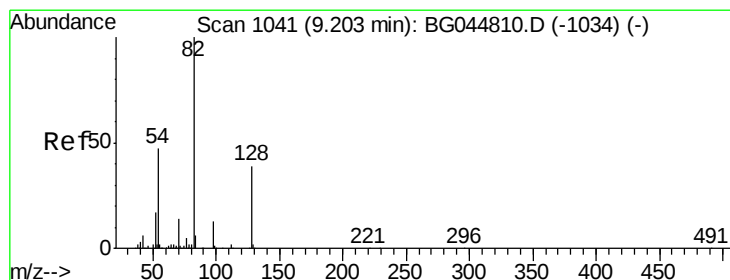
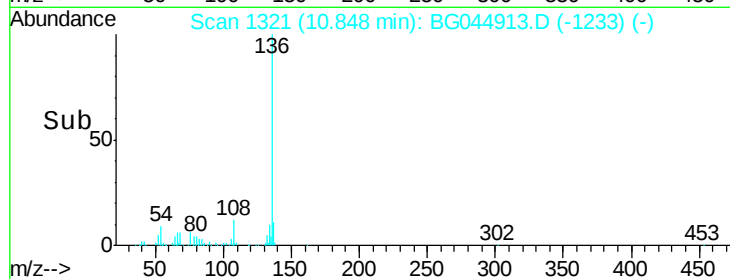
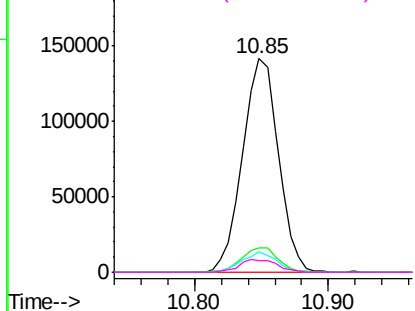
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044913.D
Acq: 20 Mar 2020 1:33

Instrument :
BNA_G
ClientSampleId :
TP-11A

Tgt Ion:	136	Resp:	263319
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.6
54	9.4	7.9	11.9
68	5.7	5.4	8.0

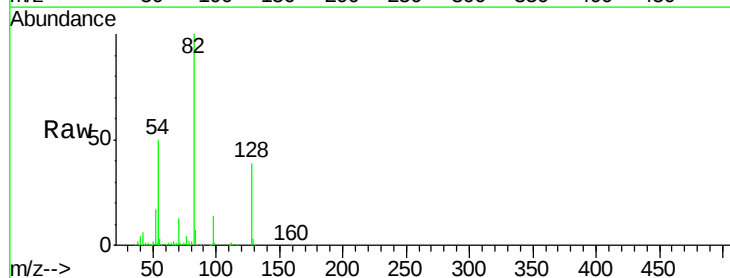


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

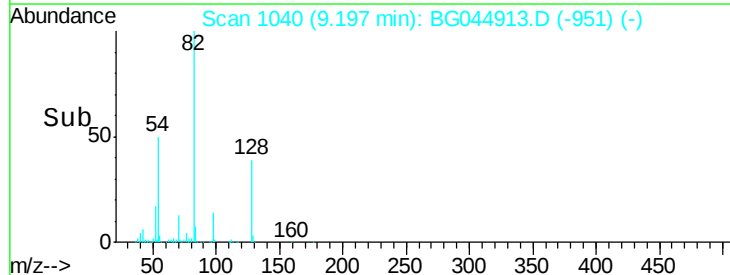
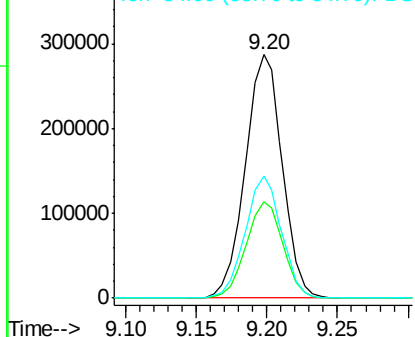


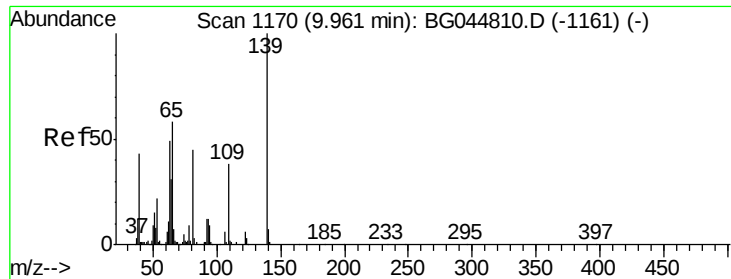
#23
Nitrobenzene-d5
Concen: 87.63 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044913.D
Acq: 20 Mar 2020 1:33

Tgt Ion:	82	Resp:	525835
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.6	46.0
54	50.0	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

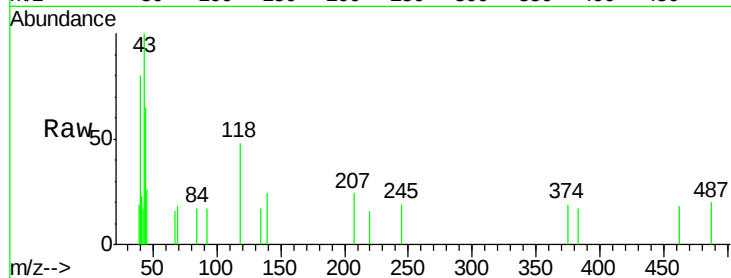




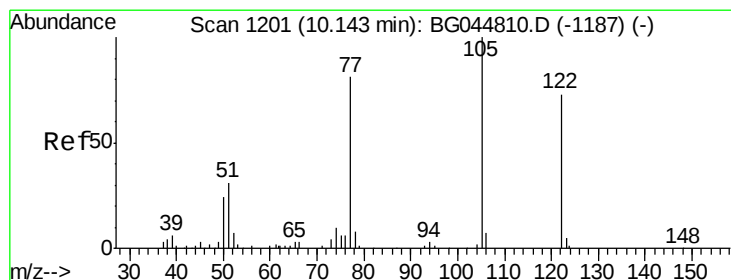
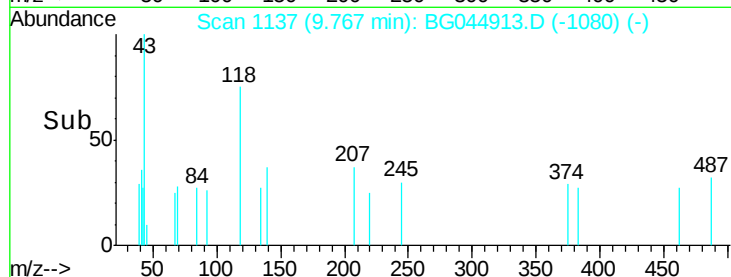
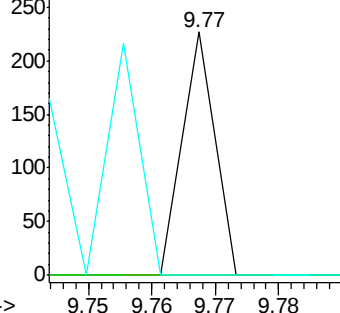
#26
2-Nitrophenol
Concen: 5.55 ng
RT: 9.77 min Scan# 1137
Delta R.T. -0.19 min
Lab File: BG044913.D
Acq: 20 Mar 2020 1:33

Instrument :
BNA_G
ClientSampleId :
TP-11A

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

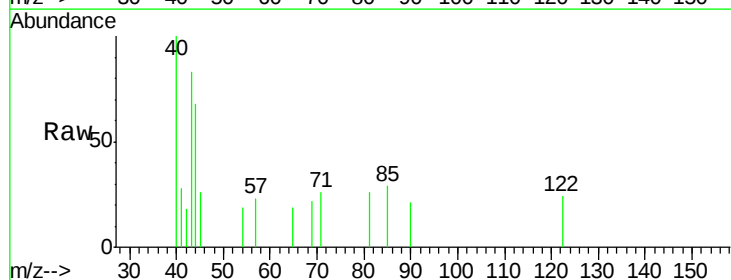


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

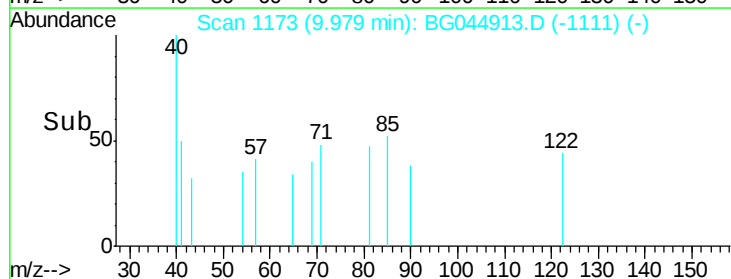
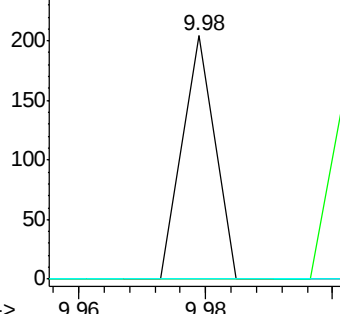


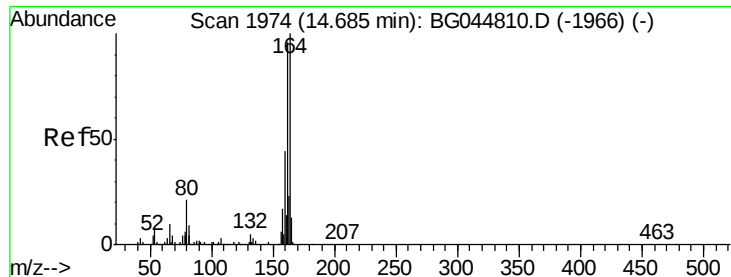
#32
Benzoic acid
Concen: 9.69 ng
RT: 9.98 min Scan# 1173
Delta R.T. -0.16 min
Lab File: BG044913.D
Acq: 20 Mar 2020 1:33

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: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

Instrument :

BNA_G

ClientSampleId :

TP-11A

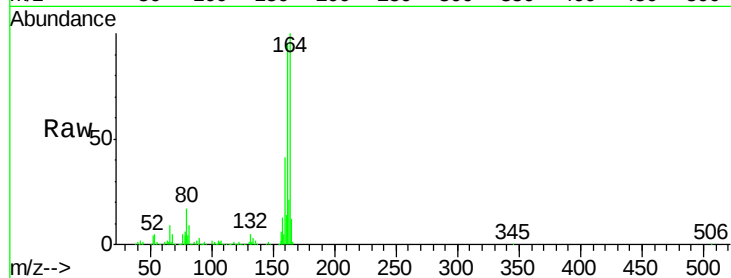
Tgt Ion:164 Resp: 175204

Ion Ratio Lower Upper

164 100

162 94.7 76.7 115.1

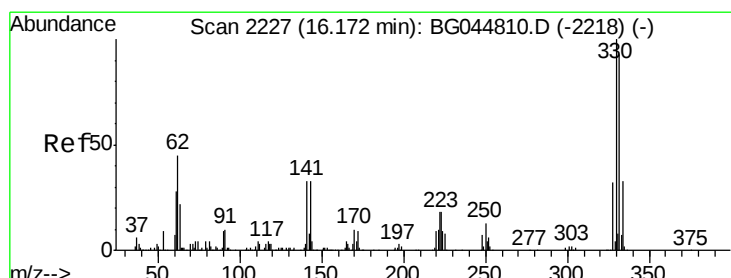
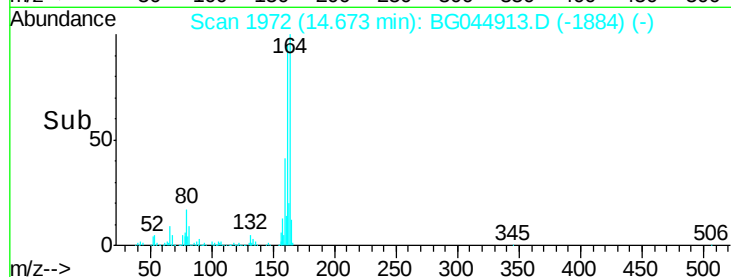
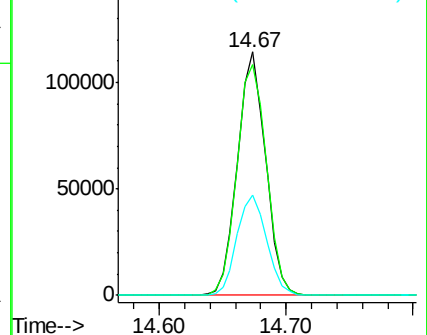
160 41.0 35.0 52.4



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: 152.48 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

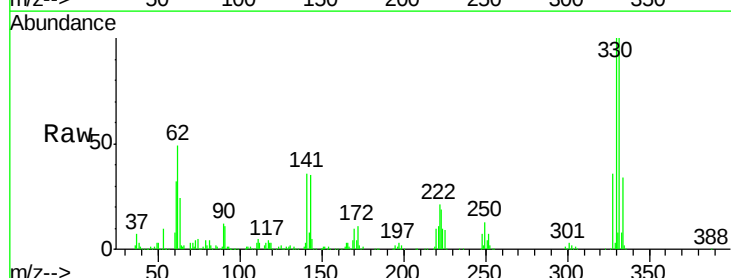
Tgt Ion:330 Resp: 349792

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

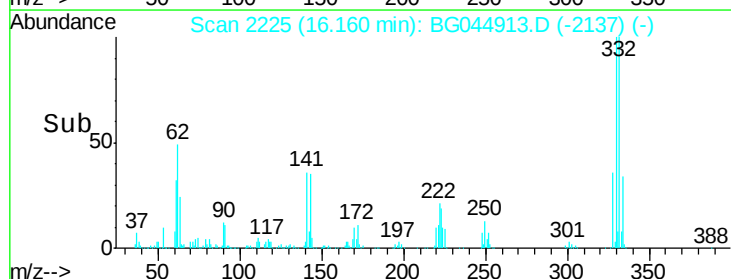
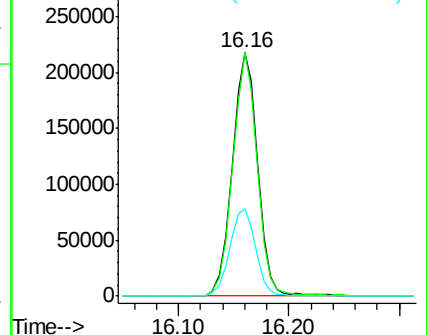
141 36.7 29.5 44.3

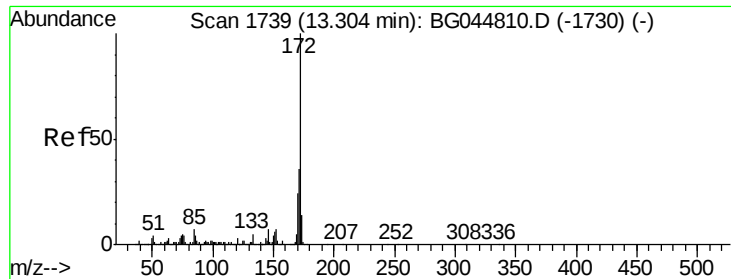


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

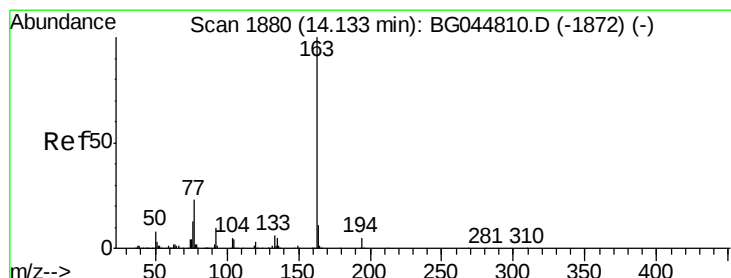
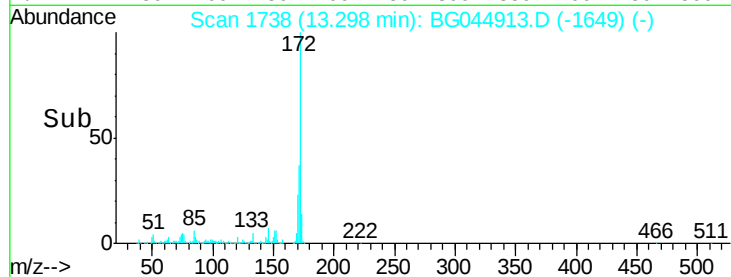
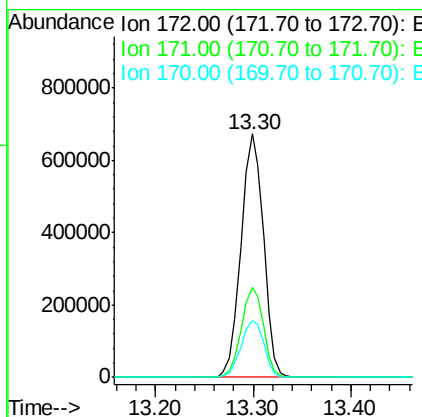
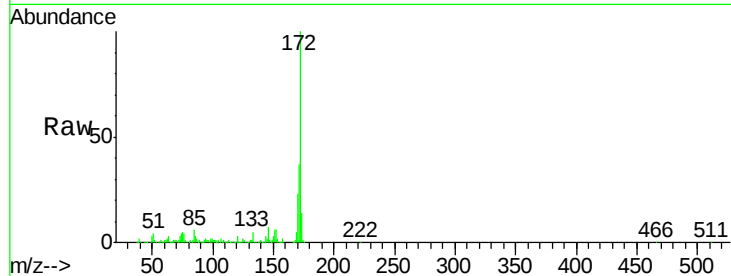




#45
2-Fluorobiphenyl
Concen: 88.25 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044913.D
Acq: 20 Mar 2020 1:33

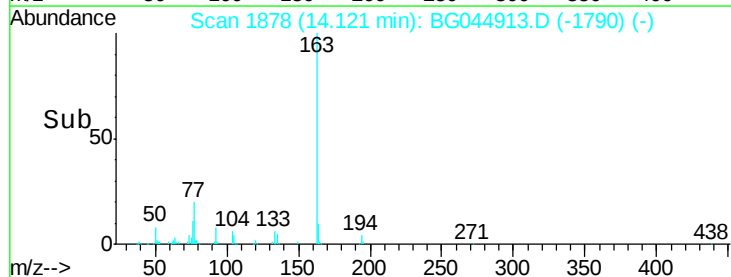
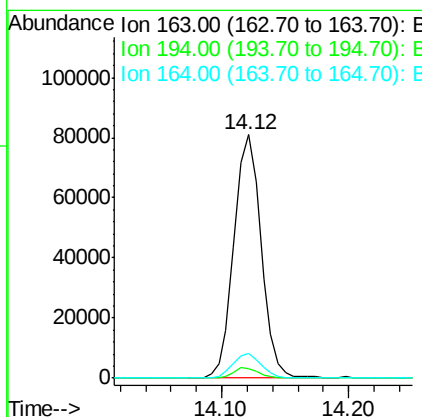
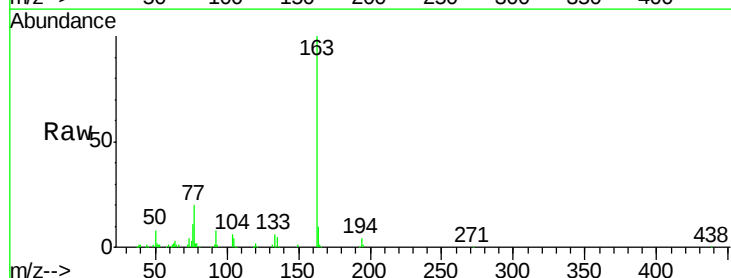
Instrument :
BNA_G
ClientSampleId :
TP-11A

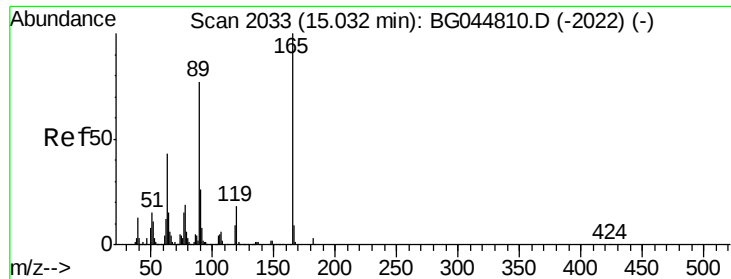
Tgt Ion:172 Resp: 1079728
Ion Ratio Lower Upper
172 100
171 37.0 28.7 43.1
170 23.3 19.0 28.6



#50
Dimethylphthalate
Concen: 8.61 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044913.D
Acq: 20 Mar 2020 1:33

Tgt Ion:163 Resp: 120121
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 10.2 9.1 13.7





#57

2,4-Dinitrotoluene

Concen: 5.88 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

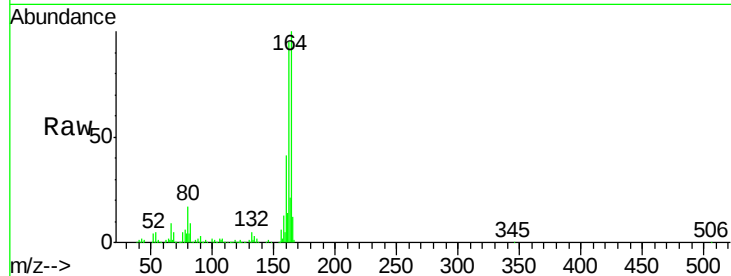
Instrument :

BNA_G

ClientSampleId :

TP-11A

Tgt Ion:	165	Resp:	22695
Ion Ratio	Lower	Upper	
165	100		
63	0.0	34.6	52.0#
89	2.2	61.3	91.9#
182	0.0	2.2	3.2#

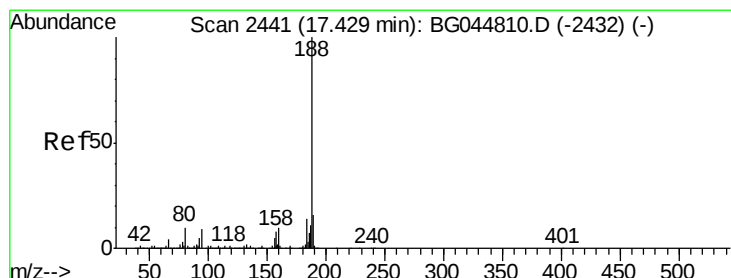
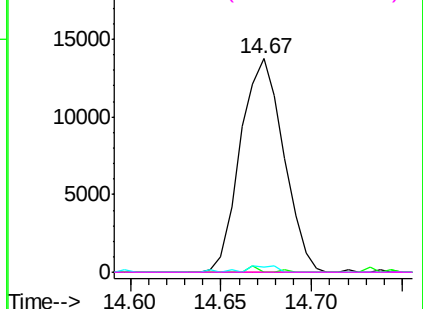
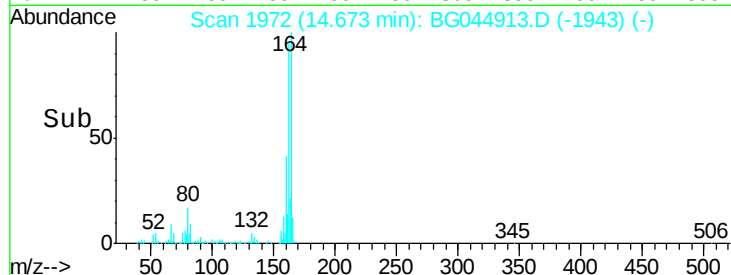


Abundance Ion 165.00 (164.70 to 165.70): E

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): BGC



#64

Phenanthrene-d10

Concen: 20.00 ng

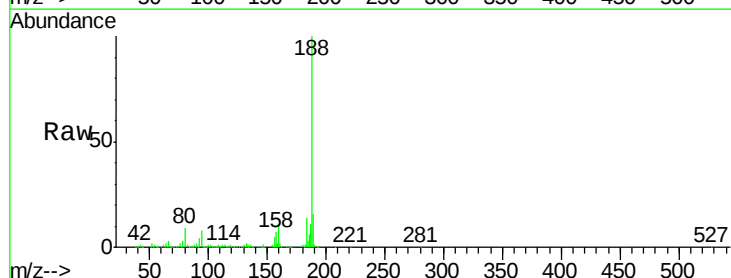
RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

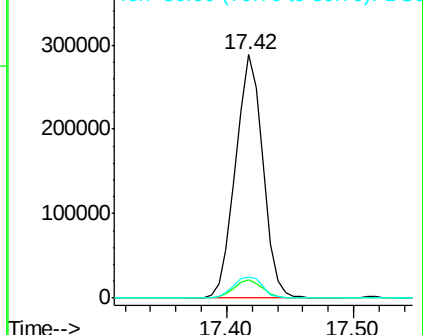
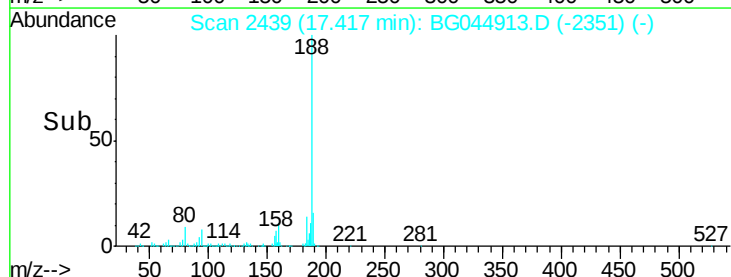
Tgt Ion:	188	Resp:	429445
Ion Ratio	Lower	Upper	
188	100		
94	7.7	7.3	10.9
80	8.5	8.0	12.0

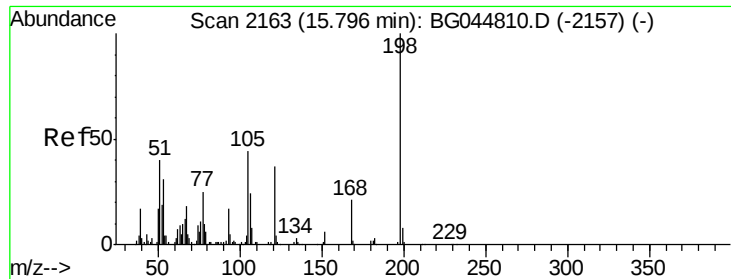


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

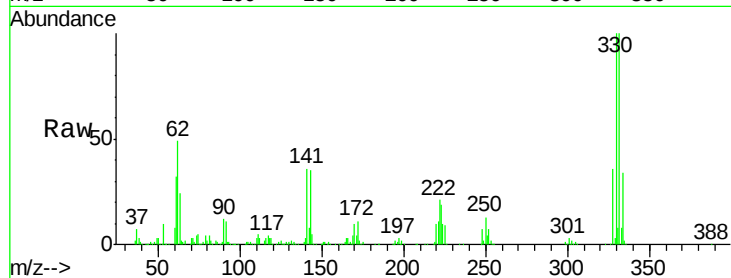




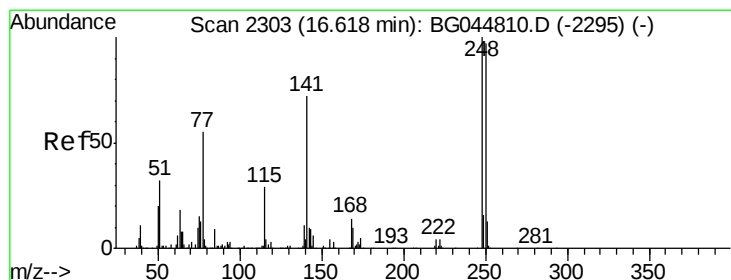
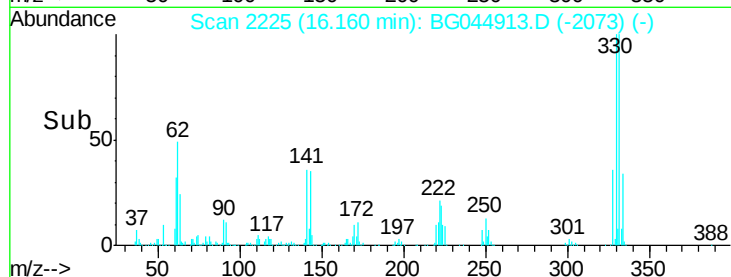
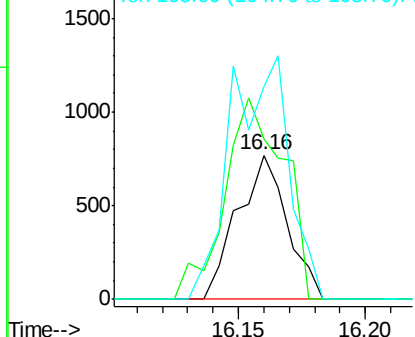
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.16 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.36 min
 Lab File: BG044913.D
 Acq: 20 Mar 2020 1:33

Instrument :
 BNA_G
 ClientSampleId :
 TP-11A

Tgt Ion:198 Resp: 1047
 Ion Ratio Lower Upper
 198 100
 51 111.0 21.1 61.1#
 105 147.9 24.5 64.5#

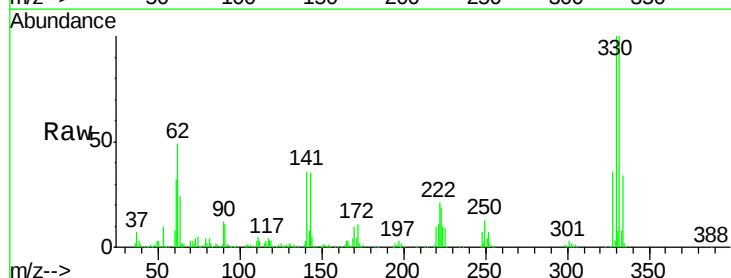


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

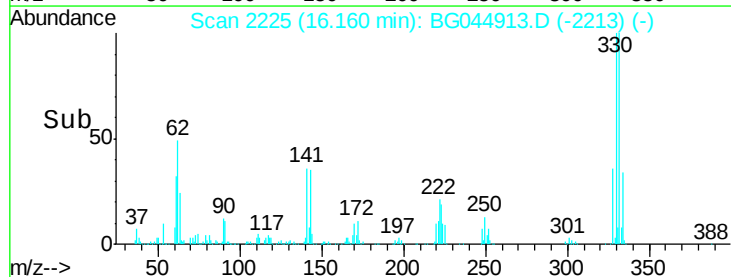
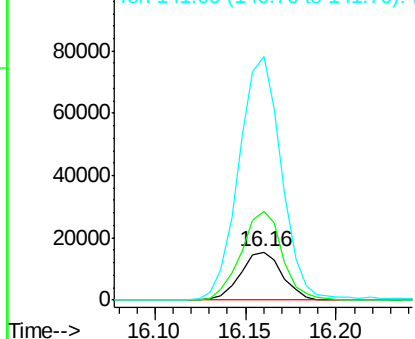


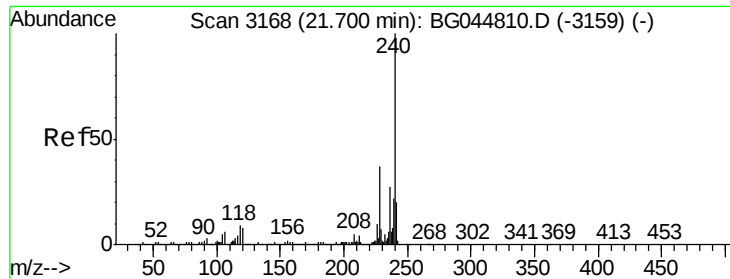
#67
 4-Bromophenyl-phenylether
 Concen: 4.57 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044913.D
 Acq: 20 Mar 2020 1:33

Tgt Ion:248 Resp: 24522
 Ion Ratio Lower Upper
 248 100
 250 184.5 77.9 116.9#
 141 507.4 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

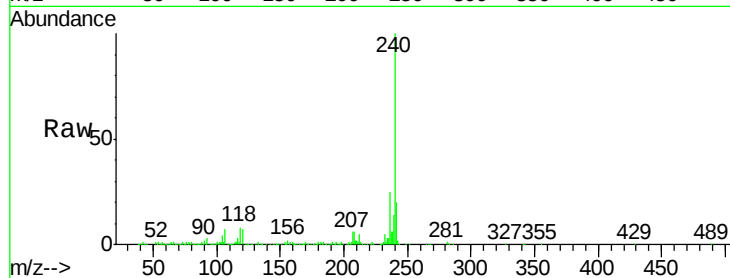




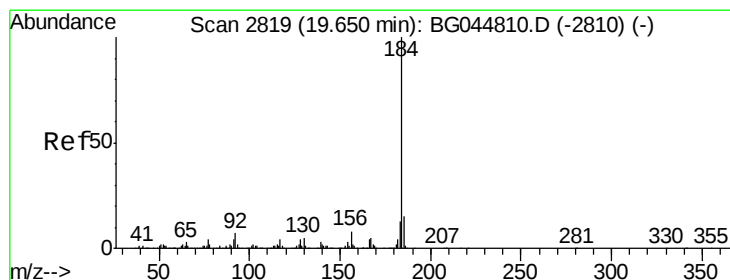
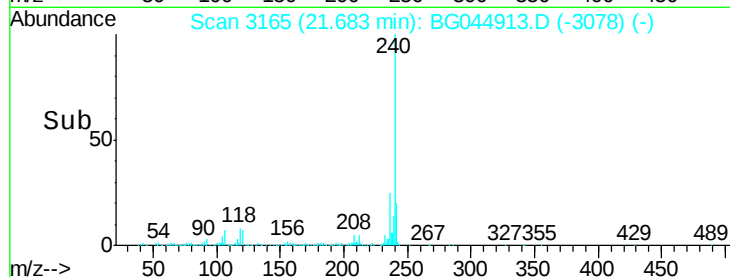
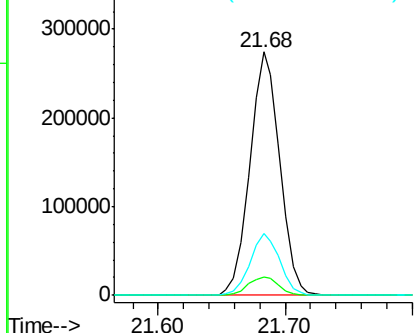
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044913.D
Acq: 20 Mar 2020 1:33

Instrument :
BNA_G
ClientSampleId :
TP-11A

Tgt Ion:240 Resp: 449795
Ion Ratio Lower Upper
240 100
120 7.3 6.7 10.1
236 25.3 21.5 32.3

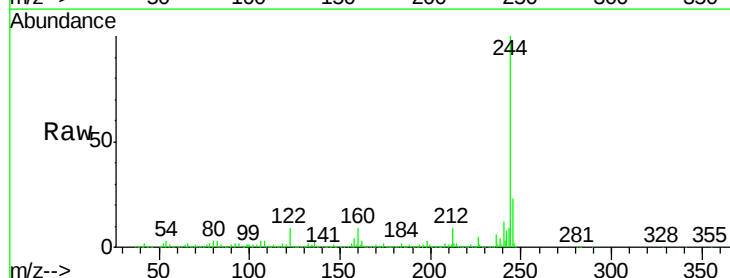


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

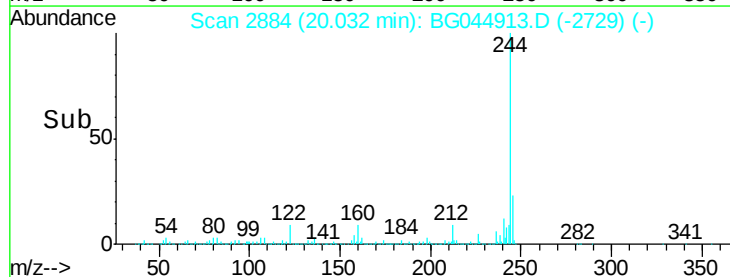
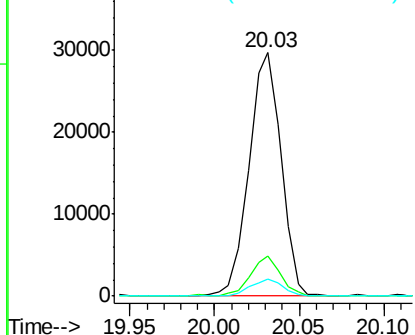


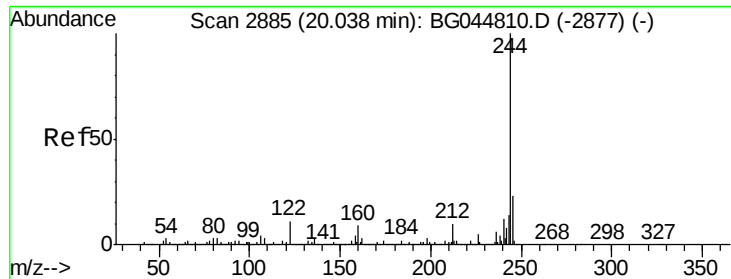
#77
Benzidine
Concen: 2.70 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG044913.D
Acq: 20 Mar 2020 1:33

Tgt Ion:184 Resp: 39376
Ion Ratio Lower Upper
184 100
185 16.3 12.2 18.4
183 7.2 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: 81.87 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

Instrument :

BNA_G

ClientSampleId :

TP-11A

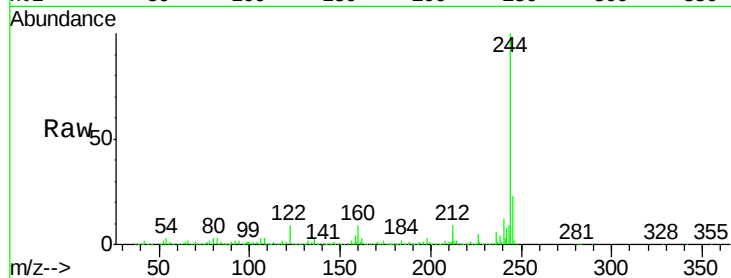
Tgt Ion:244 Resp: 1968694

Ion Ratio Lower Upper

244 100

212 9.3 7.7 11.5

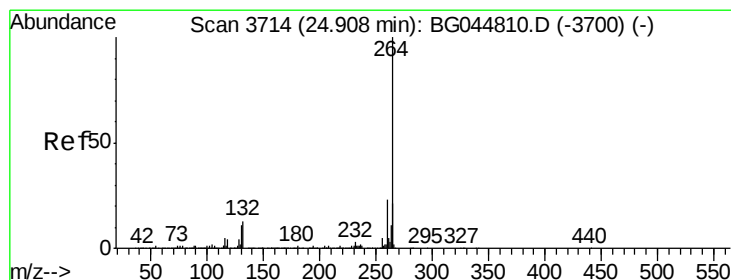
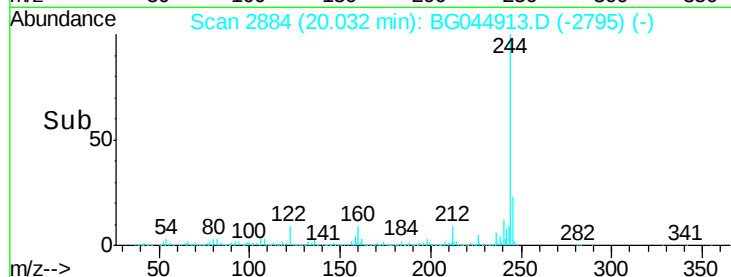
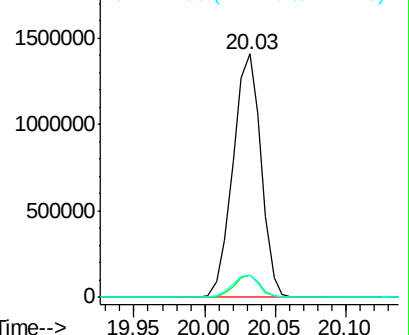
122 9.4 8.6 12.8



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: 20.00 ng

RT: 24.88 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044913.D

Acq: 20 Mar 2020 1:33

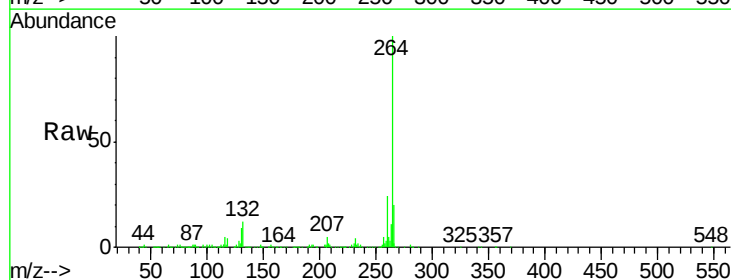
Tgt Ion:264 Resp: 481602

Ion Ratio Lower Upper

264 100

260 23.8 18.1 27.1

265 20.5 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

