

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031920\
 Data File : BG044912.D
 Acq On : 20 Mar 2020 00:53
 Operator : CG/JU
 Sample : L1954-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-10A

Quant Time: Mar 20 02:50:16 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	78062	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	293660	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	191449	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	449355	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	480118	20.00	ng	-0.02
87) Perylene-d12	24.89	264	509212	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	527456	105.18	ng	0.00
7) Phenol-d6	7.20	99	631638	86.69	ng	0.00
23) Nitrobenzene-d5	9.20	82	560080	83.69	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	362027	144.42	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1134440	84.86	ng	0.00
79) Terphenyl-d14	20.03	244	2059817	80.25	ng	0.00

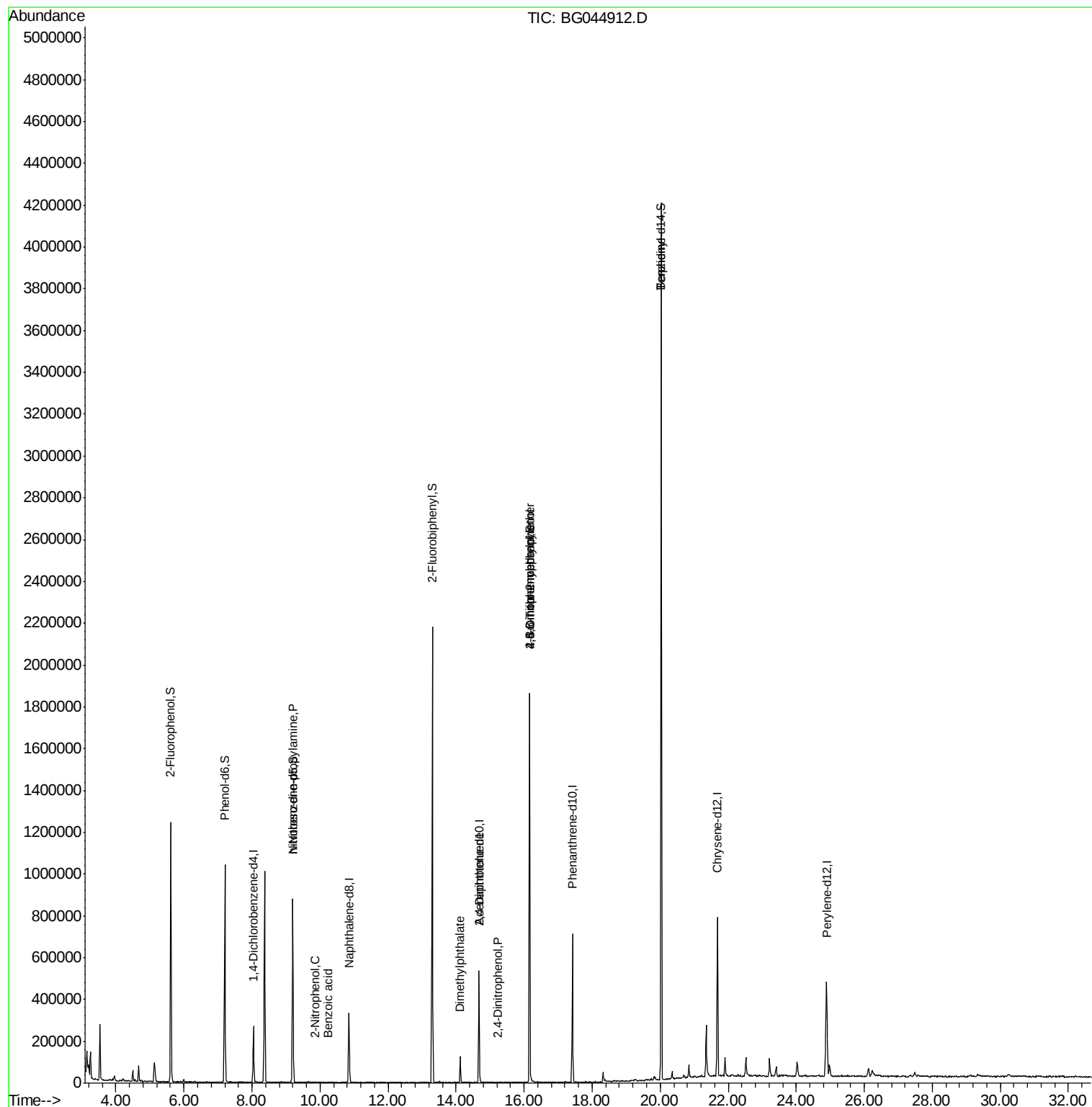
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1347	Below Cal	#	24
19) n-Nitroso-di-n-propylamine	9.20	70	77644	15.09	ng	# 75
26) 2-Nitrophenol	9.86	139	61	5.54	ng	# 25
32) Benzoic acid	10.24	122	74	9.69	ng	# 1
50) Dimethylphthalate	14.12	163	85278	5.59	ng	# 94
54) 2,4-Dinitrophenol	15.22	184	54	8.35	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	25912	6.15	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.16	198	1325	8.25	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	24851	4.42	ng	# 1
77) Benzidine	20.03	184	40385	2.59	ng	# 89

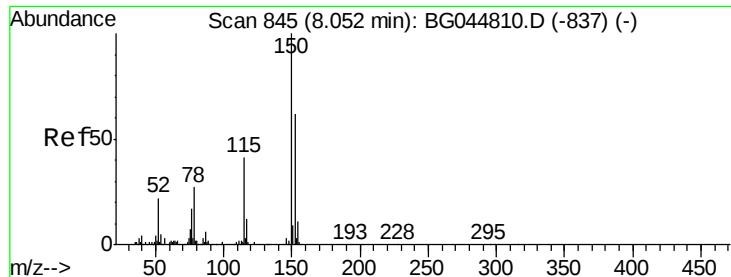
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 16 17:37:15 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

Instrument :

BNA_G

ClientSampleId :

TP-10A

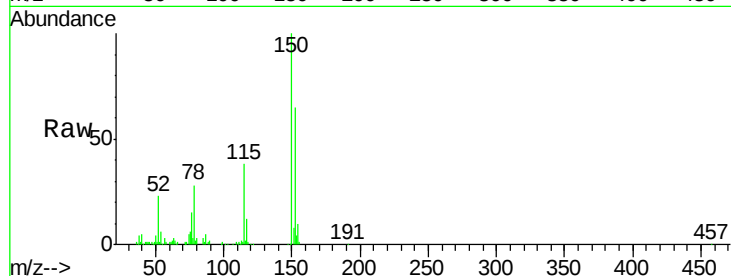
Tgt Ion:152 Resp: 78062

Ion Ratio Lower Upper

152 100

150 154.4 128.8 193.2

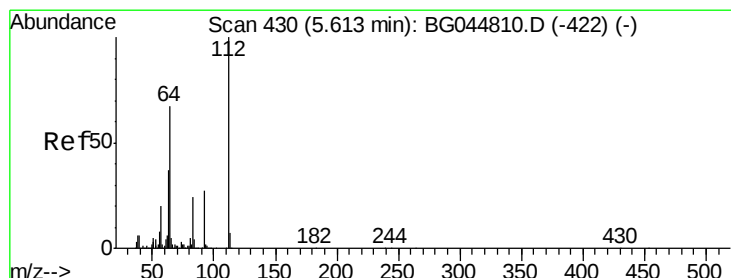
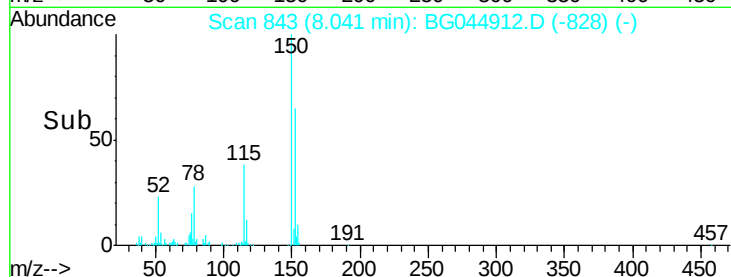
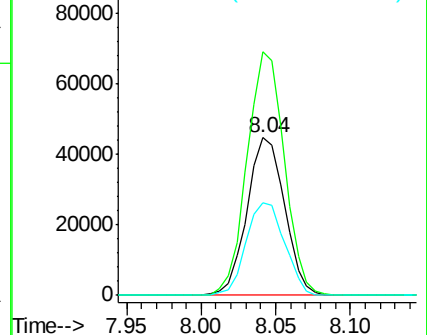
115 58.4 52.6 79.0



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: 105.18 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

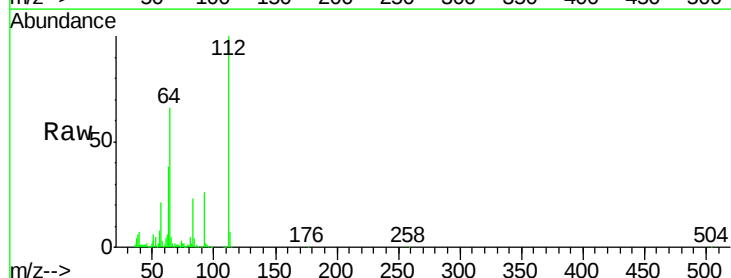
Tgt Ion:112 Resp: 527456

Ion Ratio Lower Upper

112 100

64 65.9 53.4 80.2

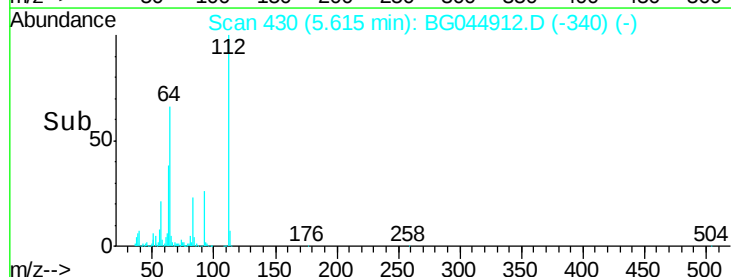
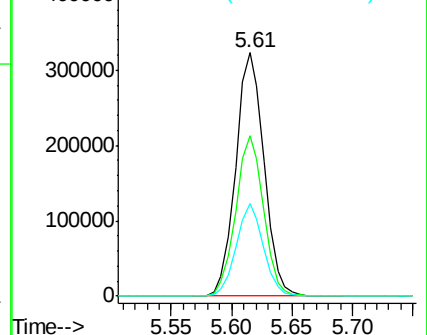
63 37.9 29.4 44.2

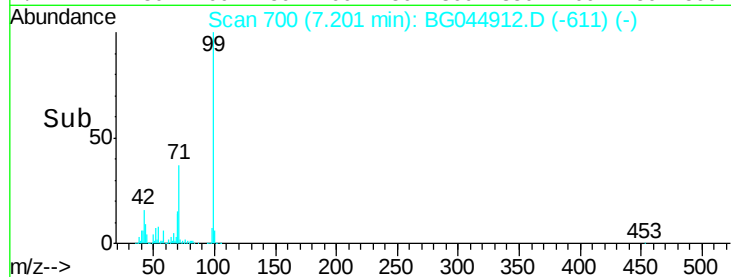
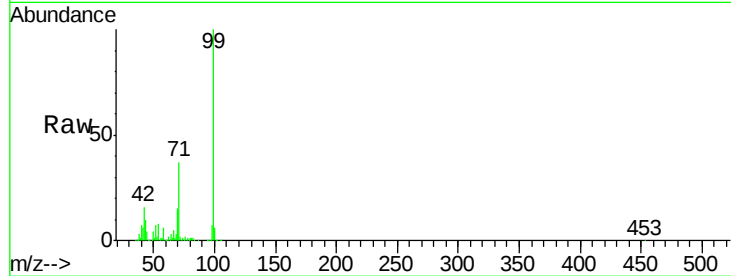
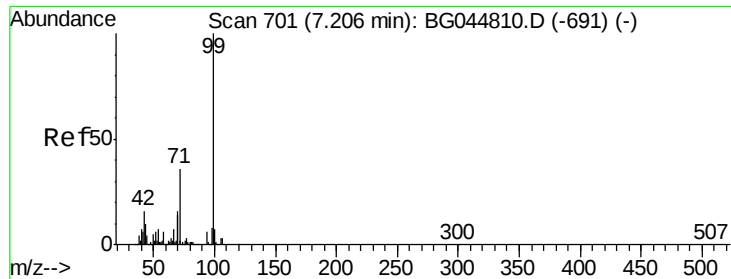


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 86.69 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

Instrument :

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ClientSampleId :

TP-10A

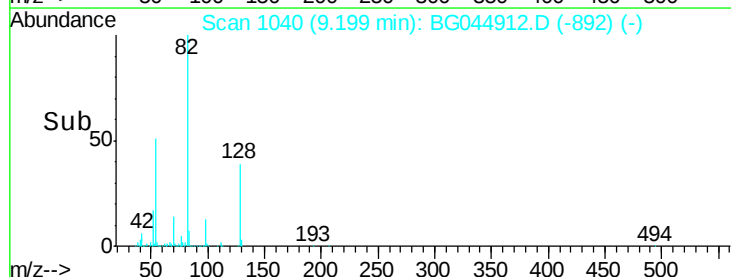
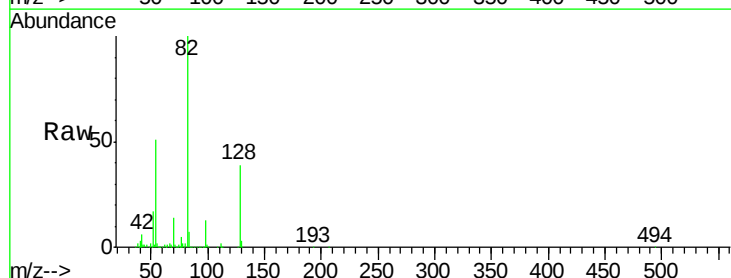
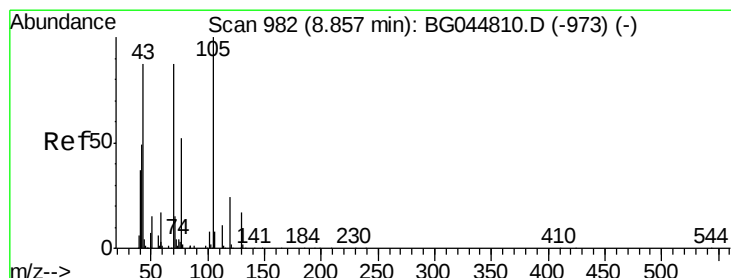
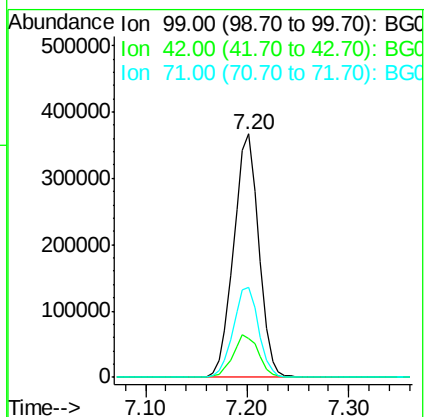
Tgt Ion: 99 Resp: 631638

Ion Ratio Lower Upper

99 100

42 16.2 12.6 19.0

71 37.1 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.09 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

Tgt Ion: 70 Resp: 77644

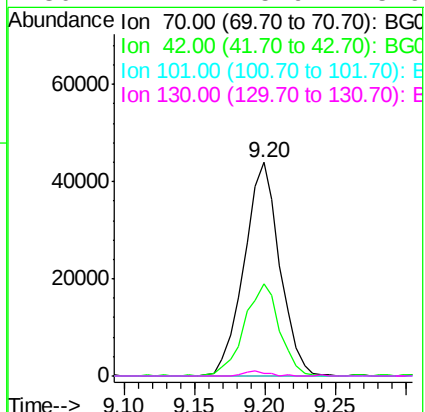
Ion Ratio Lower Upper

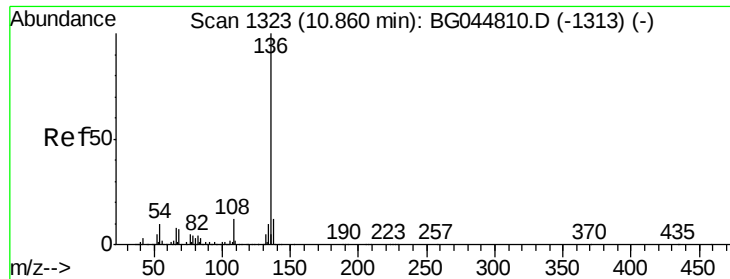
70 100

42 43.0 45.7 68.5#

101 0.0 7.4 11.2#

130 1.4 15.9 23.9#

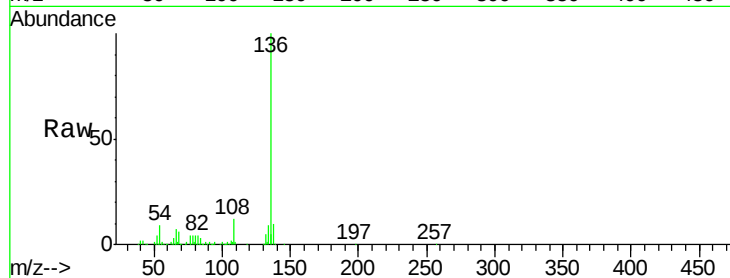




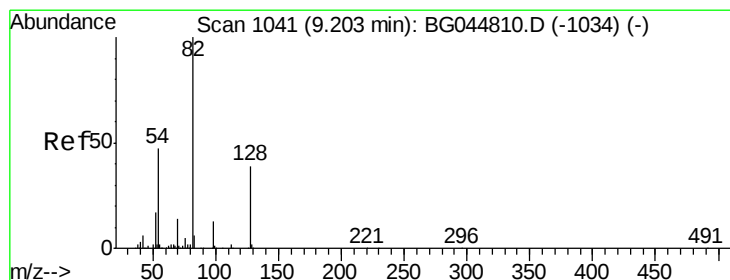
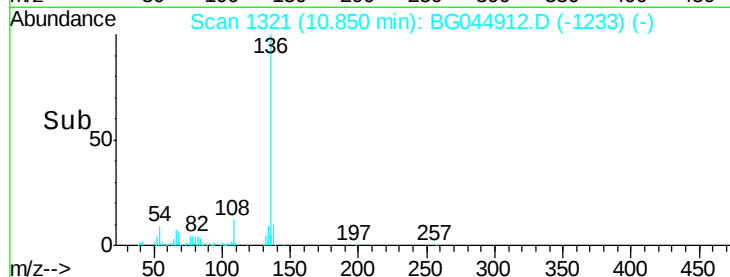
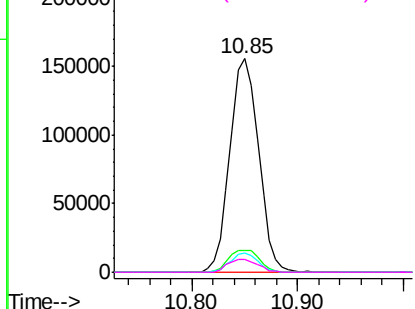
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

Instrument :
BNA_G
ClientSampleId :
TP-10A

Tgt Ion:	136	Resp:	293660
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.8	14.6
54	9.0	7.9	11.9
68	6.1	5.4	8.0

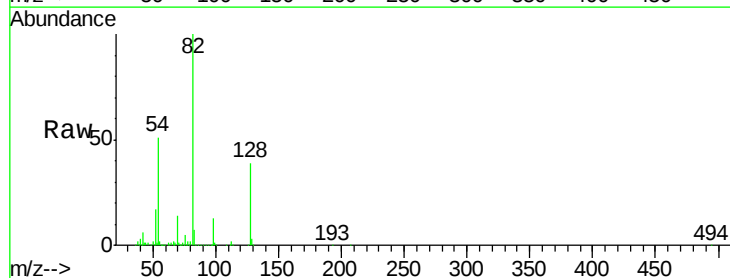


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

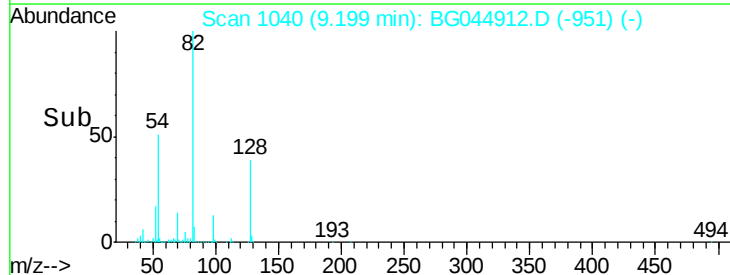
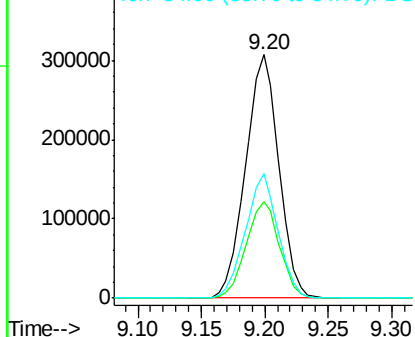


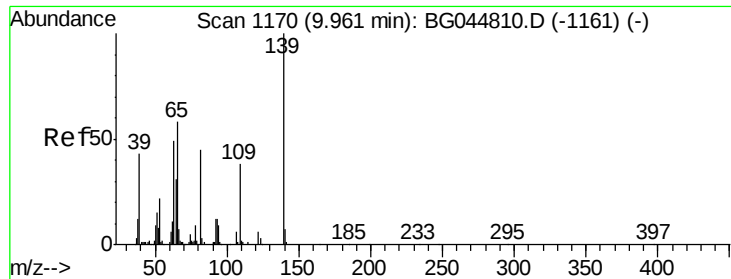
#23
Nitrobenzene-d5
Concen: 83.69 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

Tgt Ion:	82	Resp:	560080
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.6	46.0
54	51.2	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

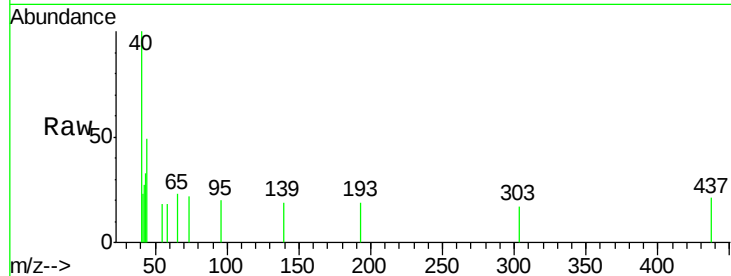




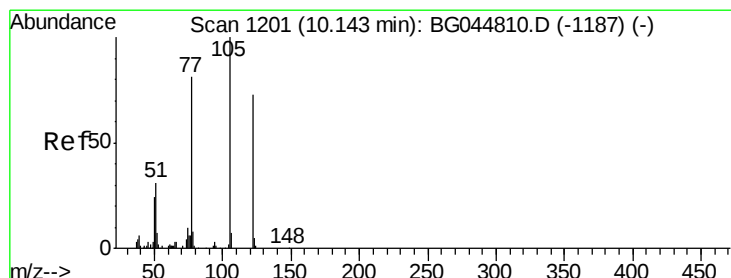
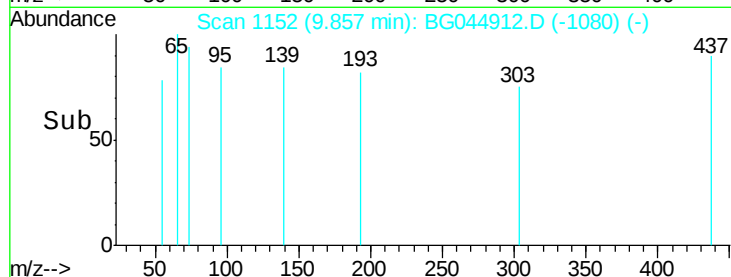
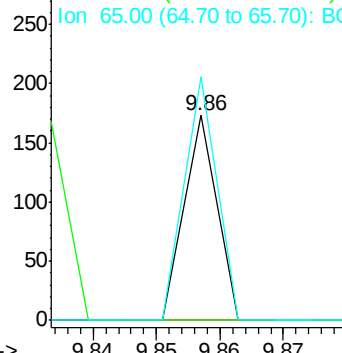
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 9.86 min Scan# 1152
Delta R.T. -0.10 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

Instrument :
BNA_G
ClientSampleId :
TP-10A

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	119.1	46.3	69.5#

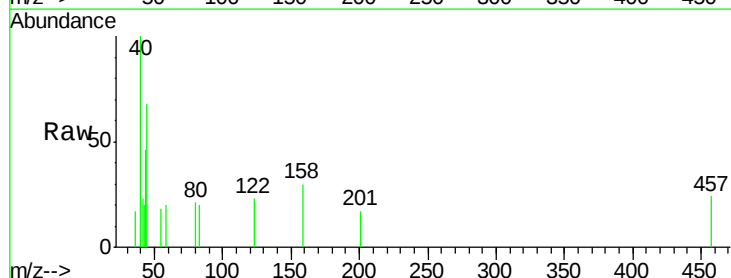


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

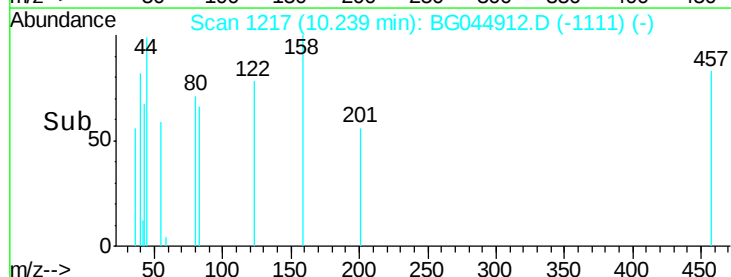
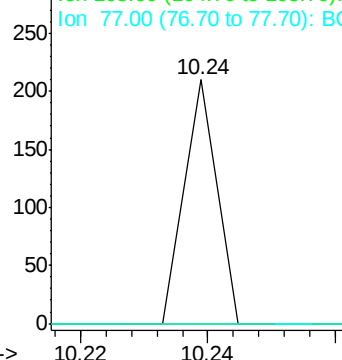


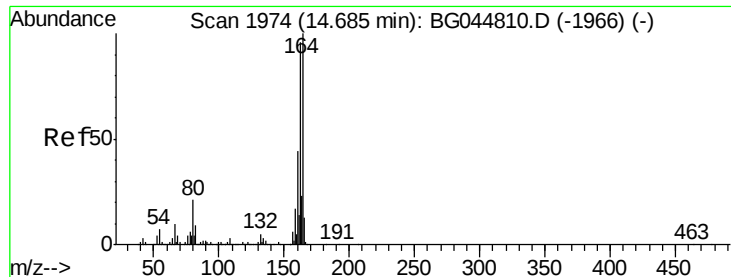
#32
Benzoic acid
Concen: 9.69 ng
RT: 10.24 min Scan# 1217
Delta R.T. 0.10 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

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: BG044912.D

Acq: 20 Mar 2020 00:53

Instrument :

BNA_G

ClientSampleId :

TP-10A

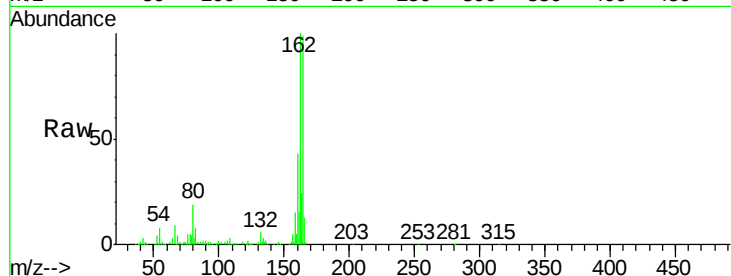
Tgt Ion:164 Resp: 191449

Ion Ratio Lower Upper

164 100

162 101.1 76.7 115.1

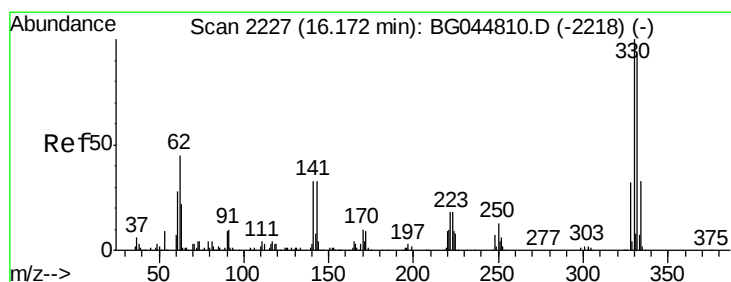
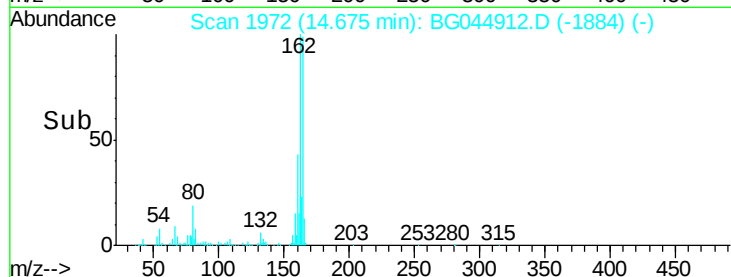
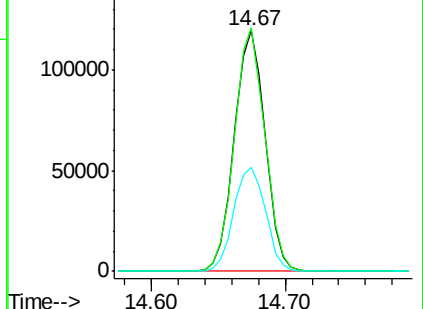
160 43.4 35.0 52.4



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: 144.42 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

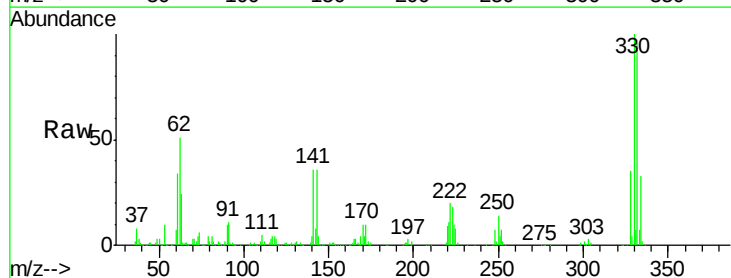
Tgt Ion:330 Resp: 362027

Ion Ratio Lower Upper

330 100

332 98.3 77.8 116.6

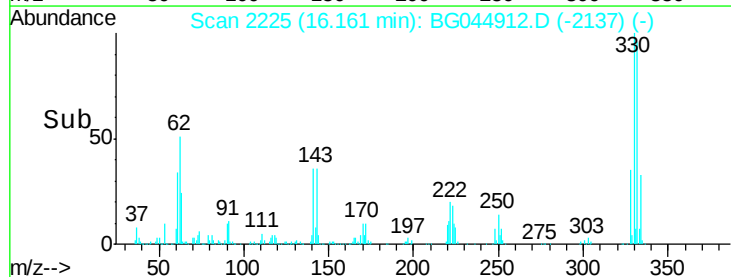
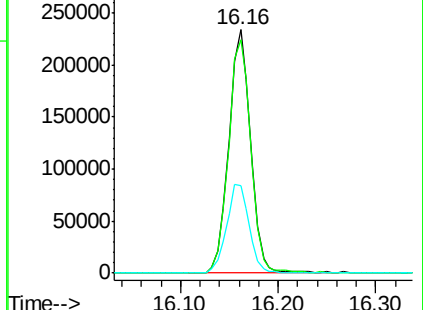
141 37.3 29.5 44.3

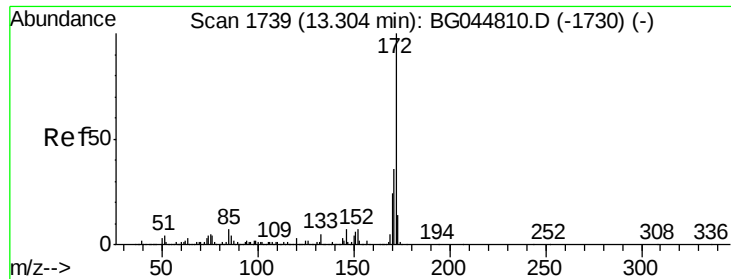


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

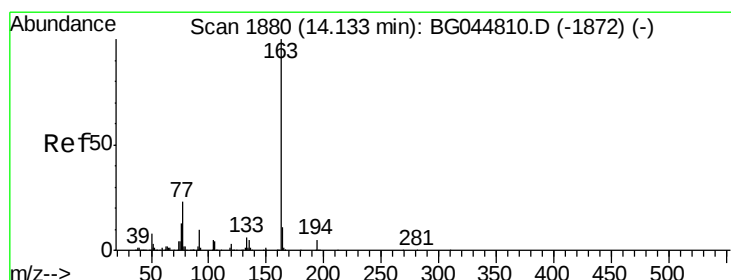
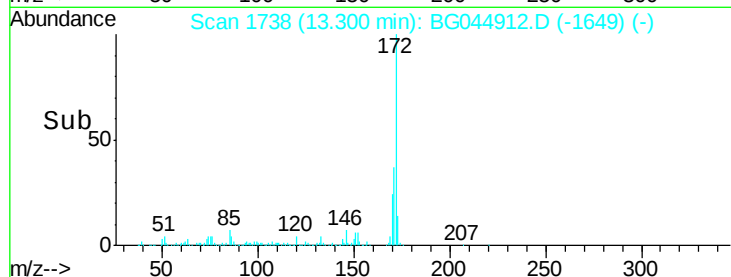
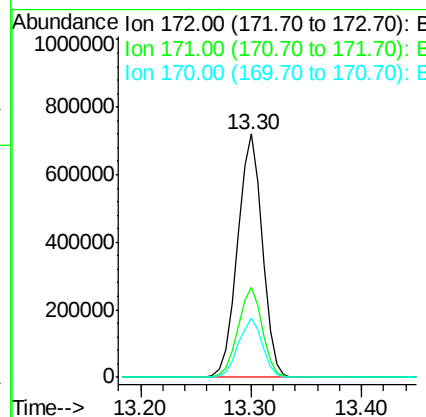
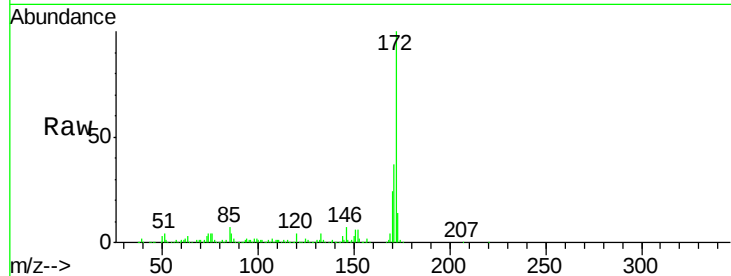




#45
2-Fluorobiphenyl
Concen: 84.86 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

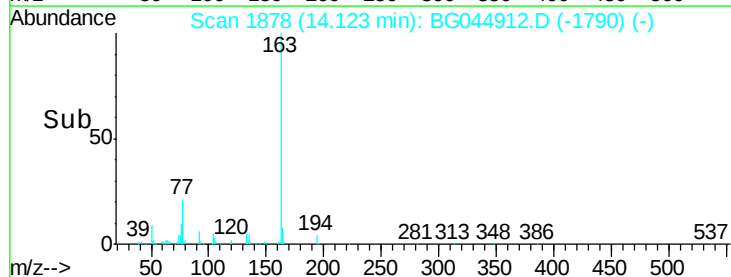
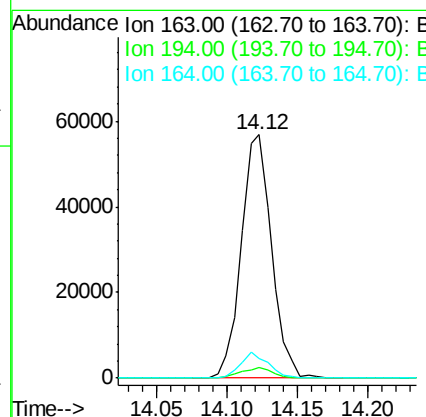
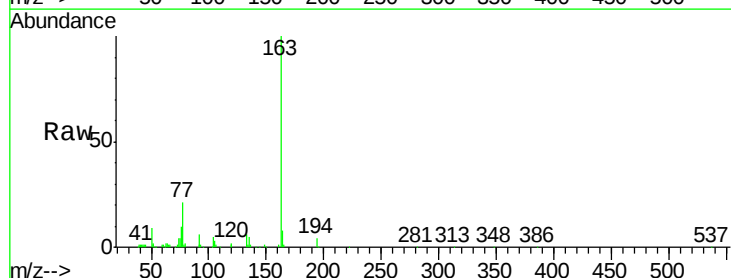
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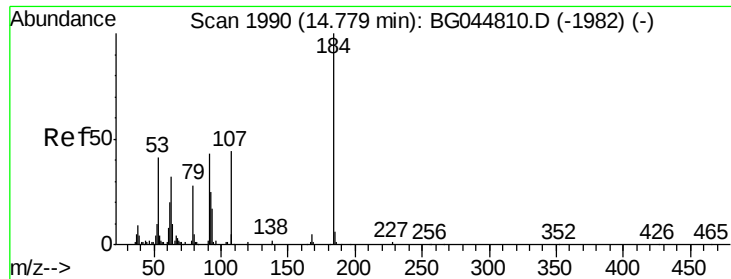
Tgt Ion:172 Resp: 1134440
Ion Ratio Lower Upper
172 100
171 36.8 28.7 43.1
170 24.4 19.0 28.6



#50
Dimethylphthalate
Concen: 5.59 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

Tgt Ion:163 Resp: 85278
Ion Ratio Lower Upper
163 100
194 4.3 3.7 5.5
164 8.3 9.1 13.7#

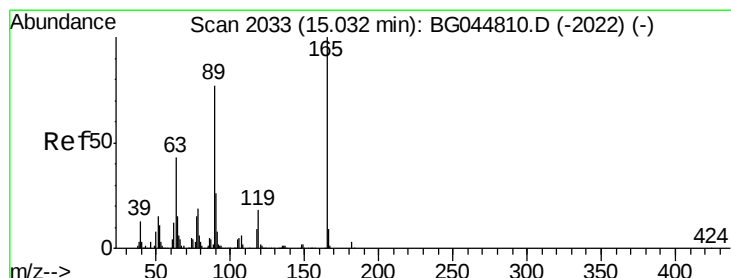
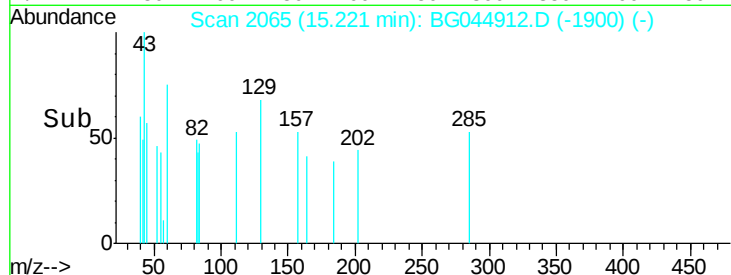
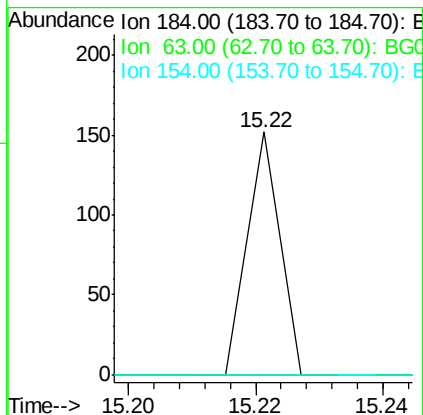
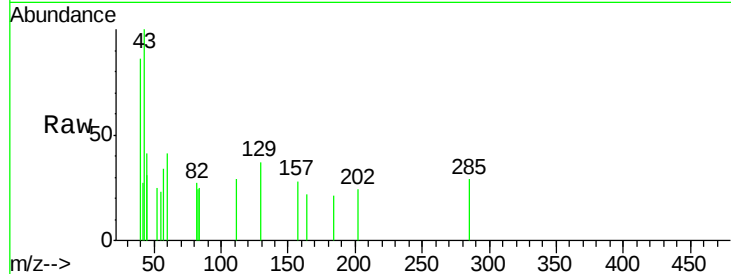




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 15.22 min Scan# 2065
Delta R.T. 0.44 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

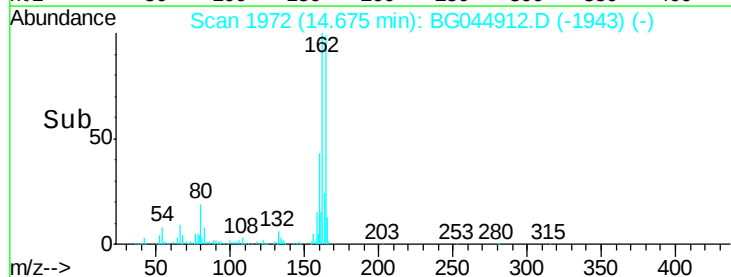
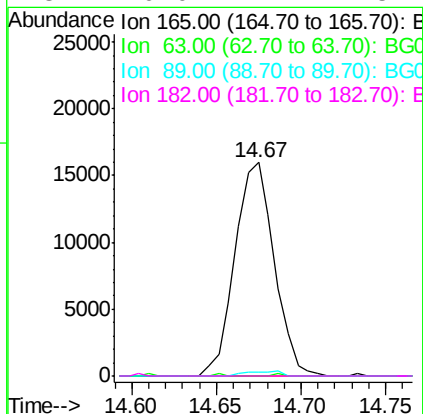
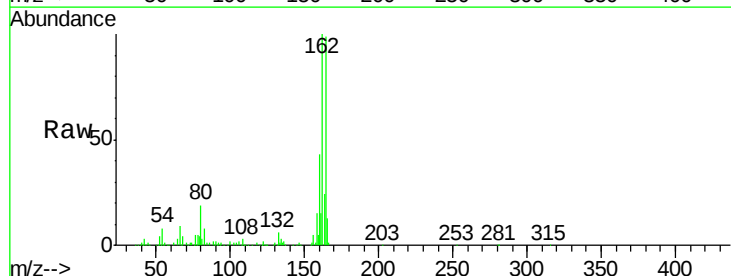
Instrument :
BNA_G
ClientSampleId :
TP-10A

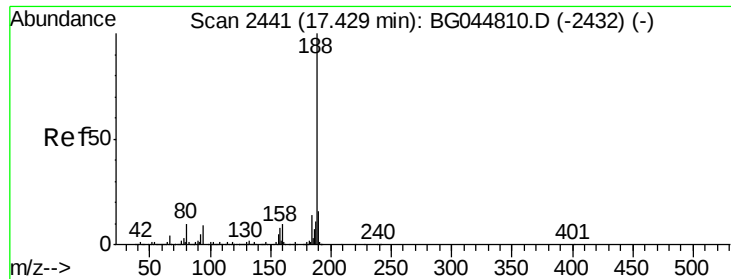
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

Tgt Ion:165 Resp: 25912
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#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

Instrument :

BNA_G

ClientSampleId :

TP-10A

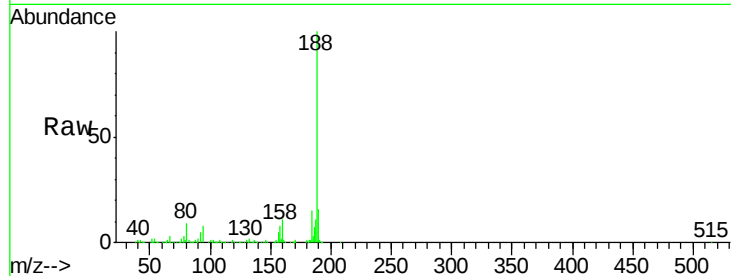
Tgt Ion:188 Resp: 449355

Ion Ratio Lower Upper

188 100

94 7.7 7.3 10.9

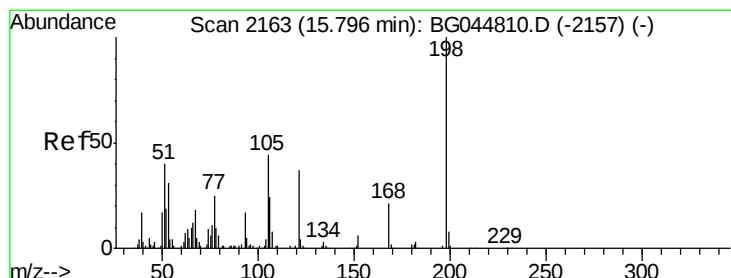
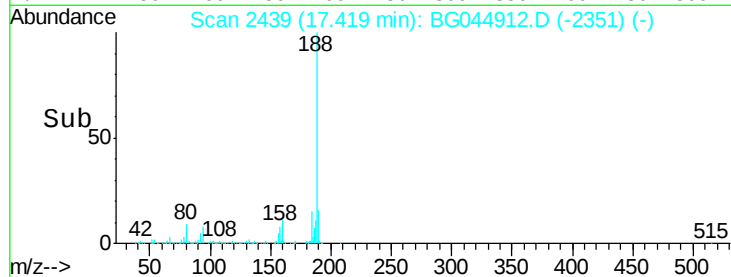
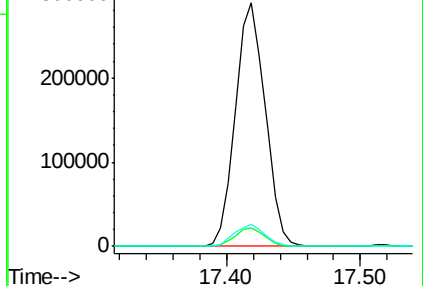
80 9.0 8.0 12.0



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: 8.25 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.37 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

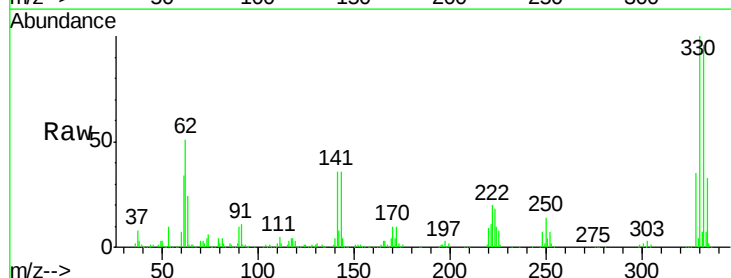
Tgt Ion:198 Resp: 1325

Ion Ratio Lower Upper

198 100

51 117.9 21.1 61.1#

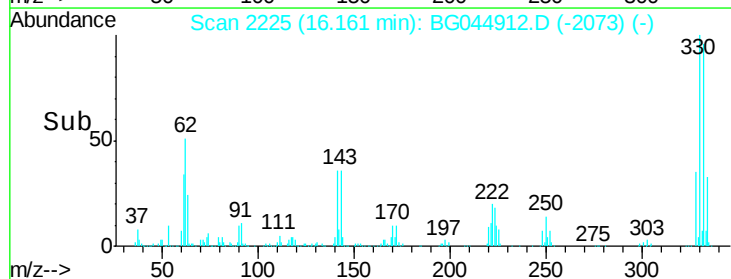
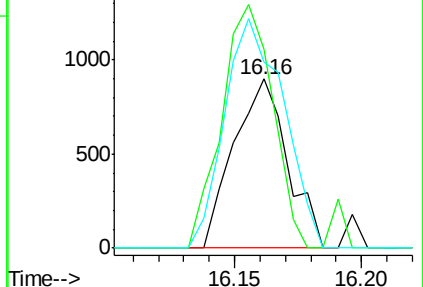
105 109.9 24.5 64.5#

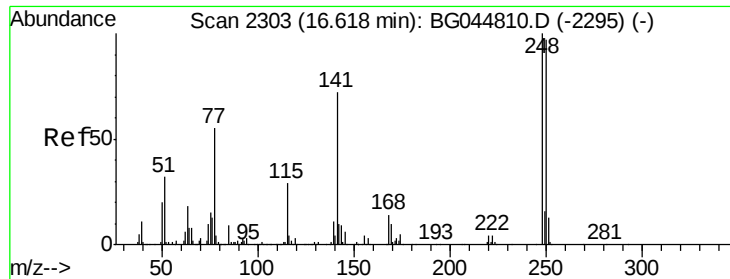


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

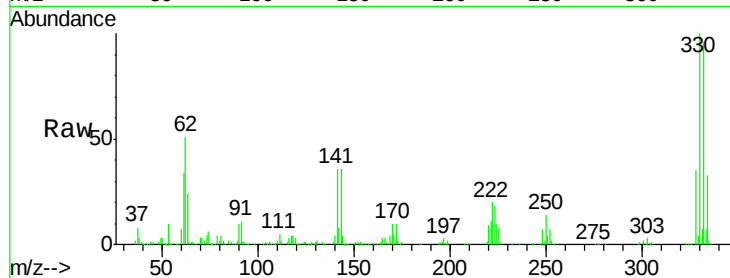




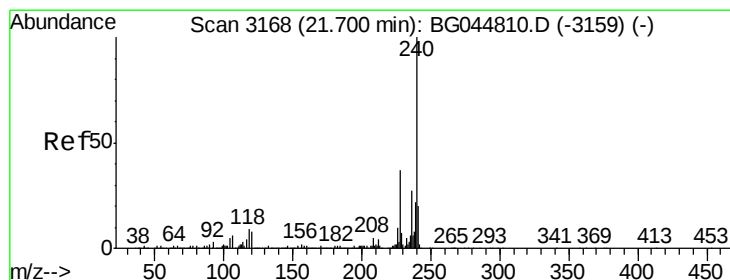
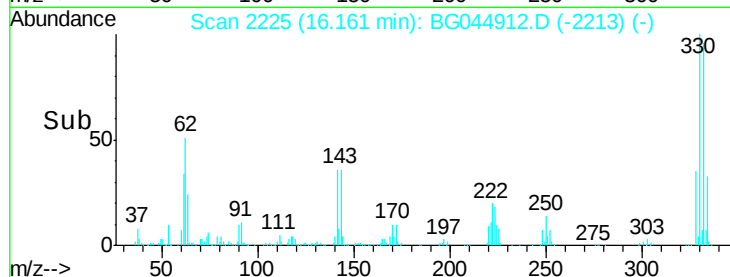
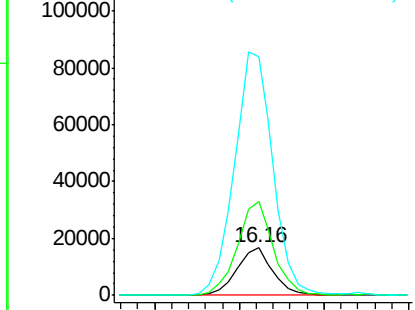
#67
4-Bromophenyl-phenylether
Concen: 4.42 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.46 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

Instrument :
BNA_G
ClientSampleId :
TP-10A

Tgt Ion:248 Resp: 24851
Ion Ratio Lower Upper
248 100
250 196.4 77.9 116.9#
141 500.4 57.5 86.3#

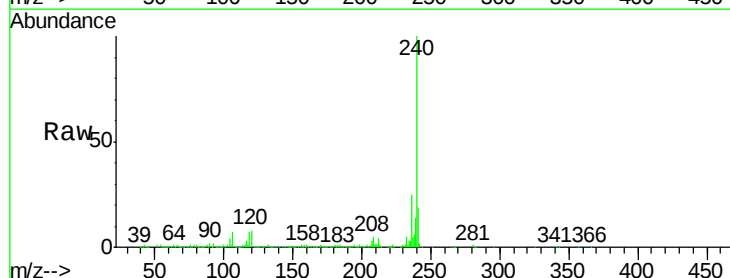


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

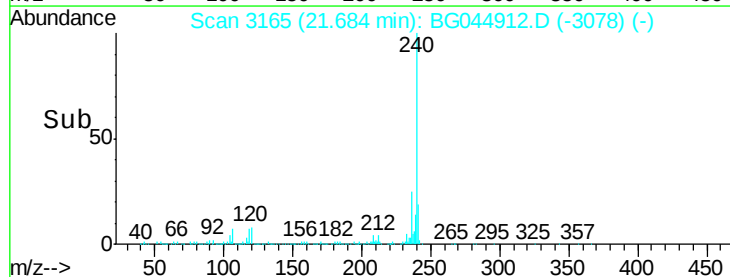
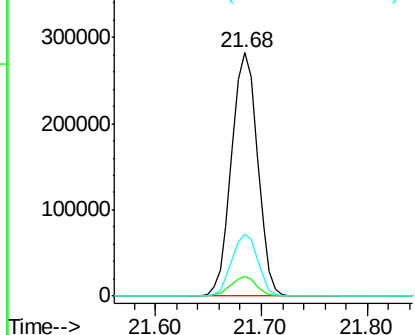


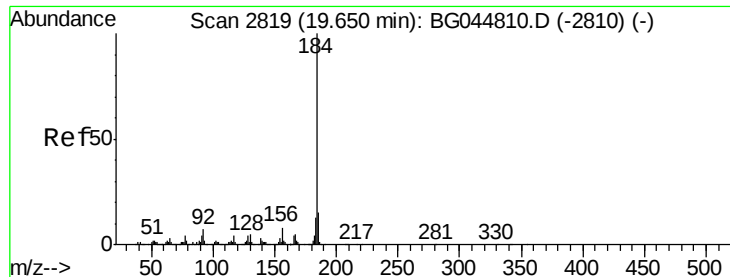
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

Tgt Ion:240 Resp: 480118
Ion Ratio Lower Upper
240 100
120 8.3 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: 2.59 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

Instrument :

BNA_G

ClientSampleId :

TP-10A

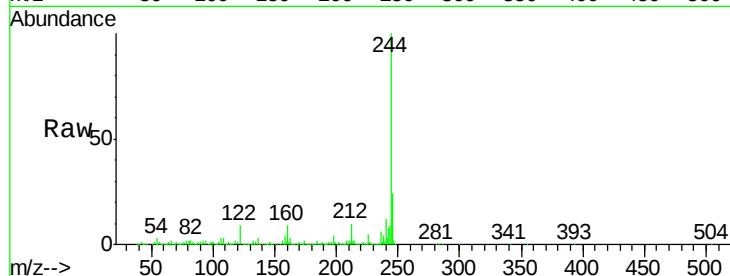
Tgt Ion:184 Resp: 40385

Ion Ratio Lower Upper

184 100

185 14.2 12.2 18.4

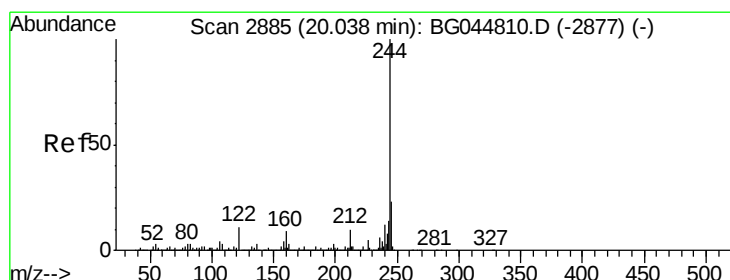
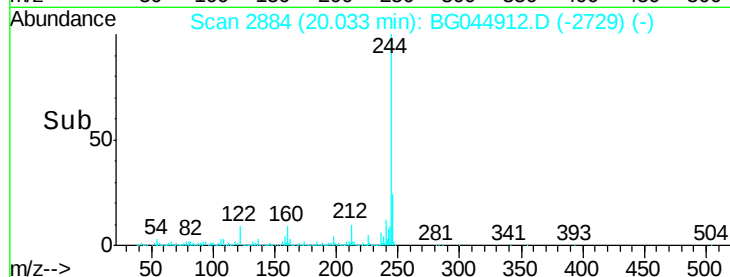
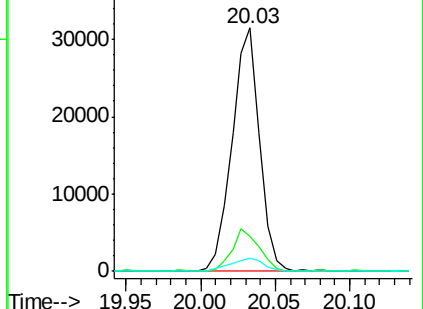
183 5.5 10.7 16.1#



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: 80.25 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044912.D

Acq: 20 Mar 2020 00:53

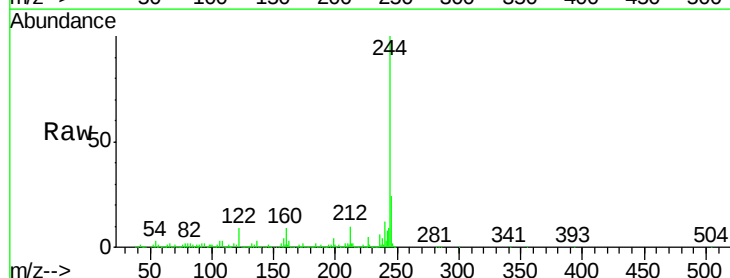
Tgt Ion:244 Resp: 2059817

Ion Ratio Lower Upper

244 100

212 9.8 7.7 11.5

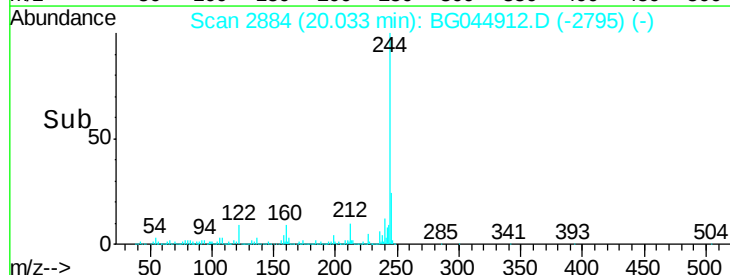
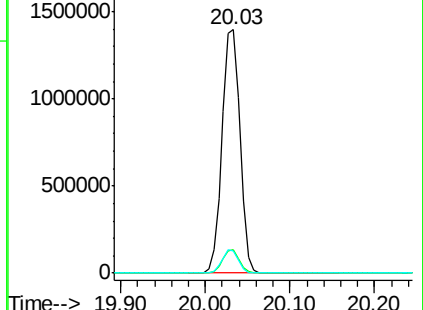
122 9.0 8.6 12.8

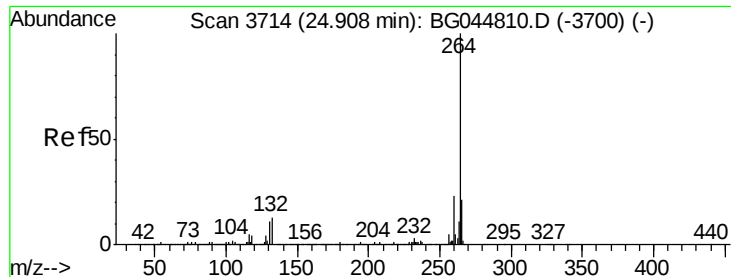


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG044912.D
Acq: 20 Mar 2020 00:53

Instrument :
BNA_G
ClientSampleId :
TP-10A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.1	27.1
265	22.1	17.1	25.7

