

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032020\
 Data File : BG044922.D
 Acq On : 20 Mar 2020 16:34
 Operator : CG/JU
 Sample : PB127702BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127702BL

Quant Time: Mar 21 00:43:24 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	70979	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	275017	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	188383	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	470038	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	517155	20.00	ng	-0.02
87) Perylene-d12	24.89	264	538889	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	599993	131.59	ng	0.00
7) Phenol-d6	7.20	99	834138	125.91	ng	0.00
23) Nitrobenzene-d5	9.20	82	545472	87.03	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	380598	154.30	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1181289	89.80	ng	0.00
79) Terphenyl-d14	20.03	244	2238846	80.98	ng	0.00

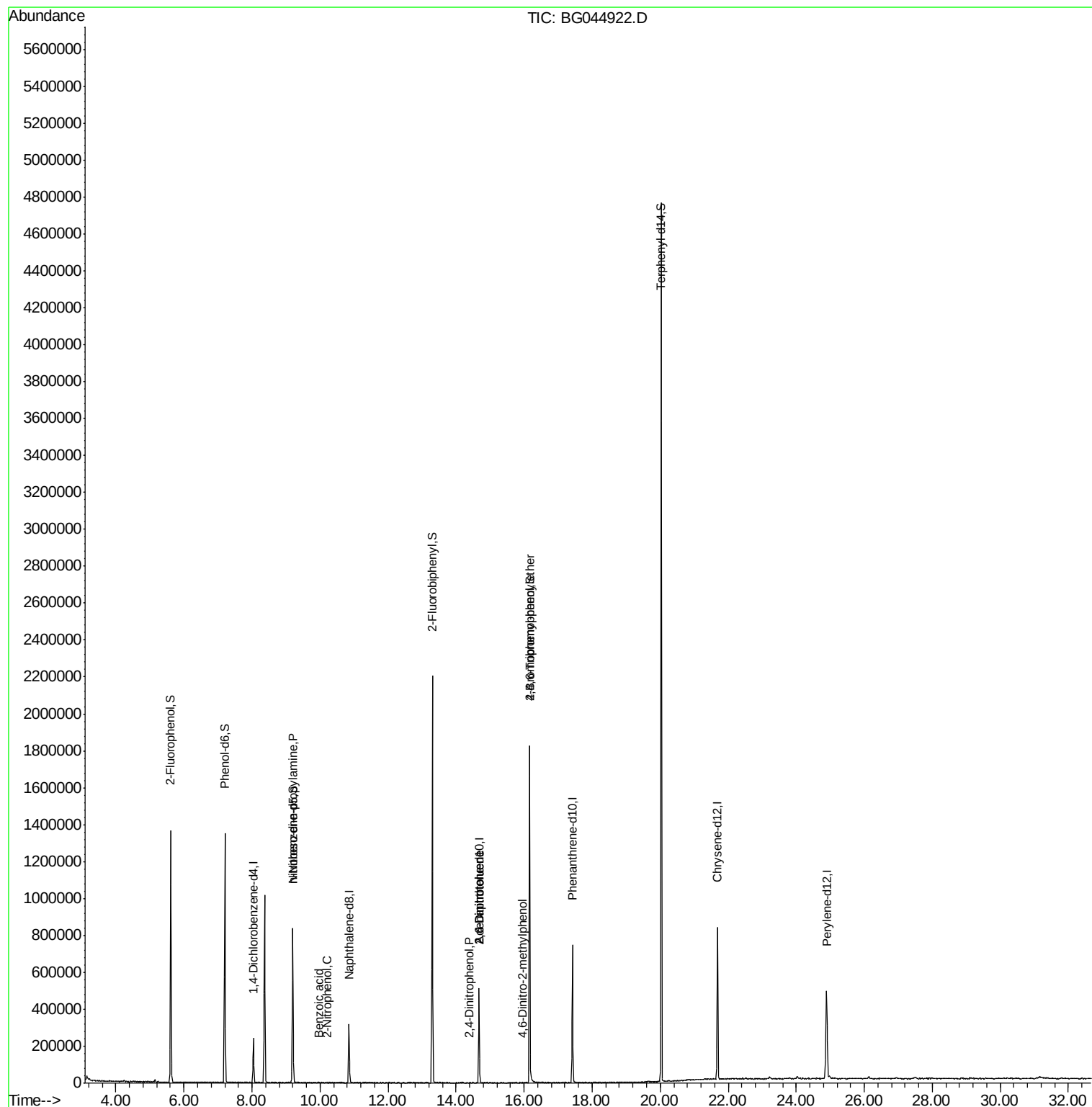
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1388	Below Cal	#	20
19) n-Nitroso-di-n-propylamine	9.20	70	75185	16.07	ng	74
26) 2-Nitrophenol	10.19	139	71	5.54	ng	28
32) Benzoic acid	9.97	122	72	9.69	ng	1
51) 2,6-Dinitrotoluene	14.67	165	24817	8.21	ng	22
54) 2,4-Dinitrophenol	14.39	184	75	8.37	ng	21
57) 2,4-Dinitrotoluene	14.67	165	24817	5.98	ng	22
65) 4,6-Dinitro-2-methylphenol	15.96	198	56	7.75	ng	33
67) 4-Bromophenyl-phenylether	16.16	248	24956	4.25	ng	1

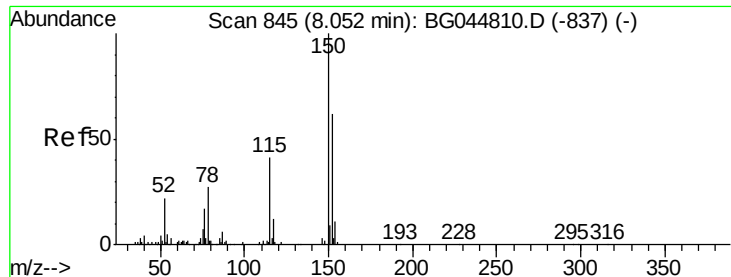
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB127702BL

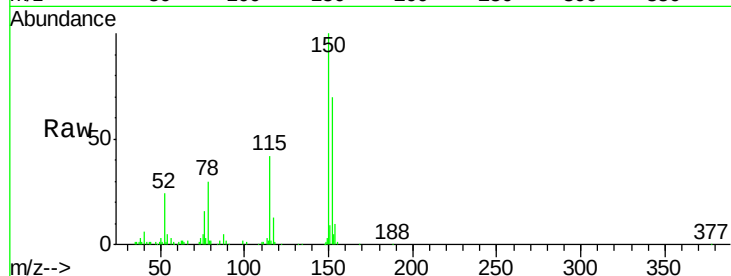
Tgt Ion:152 Resp: 70979

Ion Ratio Lower Upper

152 100

150 143.3 128.8 193.2

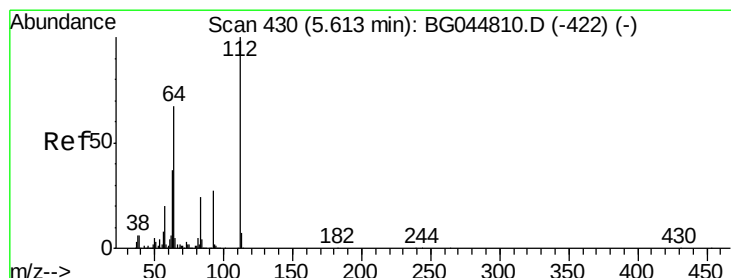
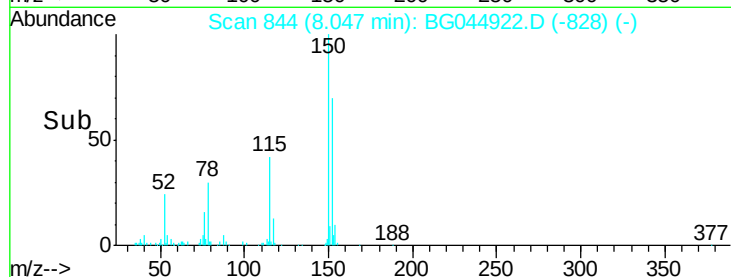
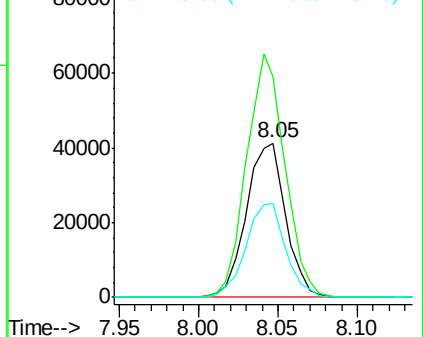
115 60.8 52.6 79.0



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: 131.59 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

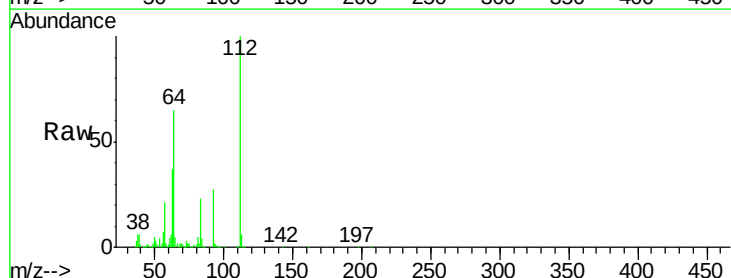
Tgt Ion:112 Resp: 599993

Ion Ratio Lower Upper

112 100

64 64.9 53.4 80.2

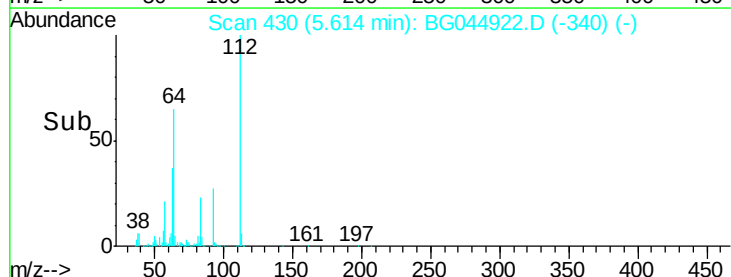
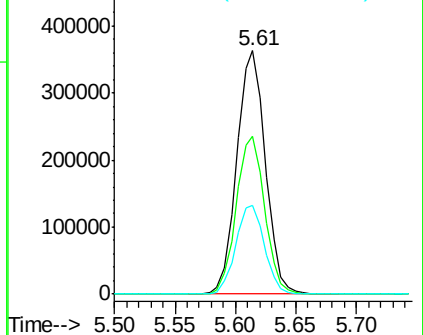
63 36.5 29.4 44.2

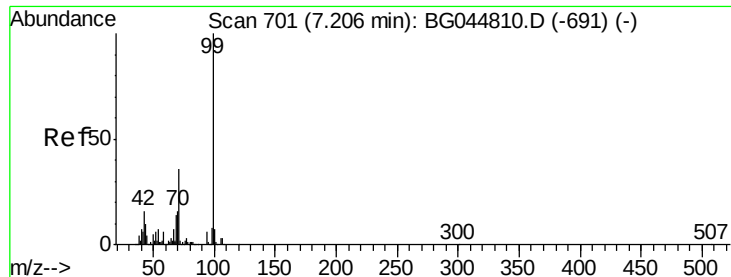


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.91 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB127702BL

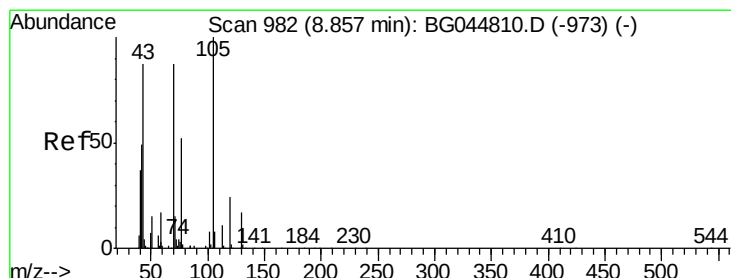
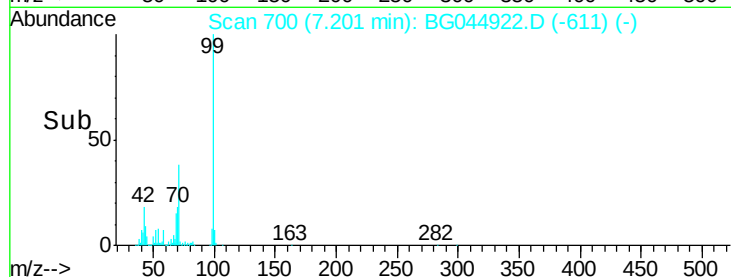
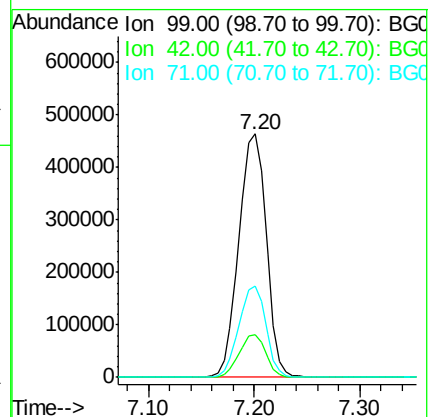
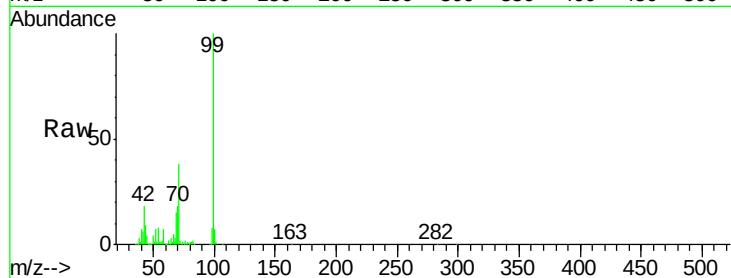
Tgt Ion: 99 Resp: 834138

Ion Ratio Lower Upper

99 100

42 17.6 12.6 19.0

71 37.8 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.07 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

Tgt Ion: 70 Resp: 75185

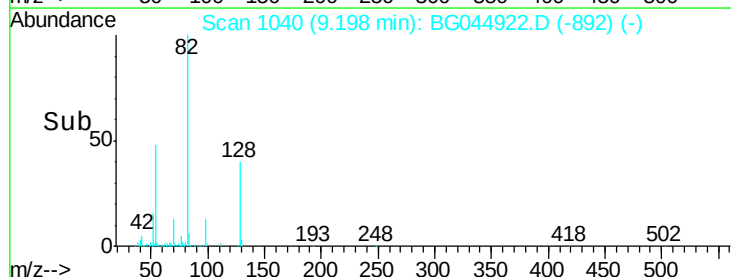
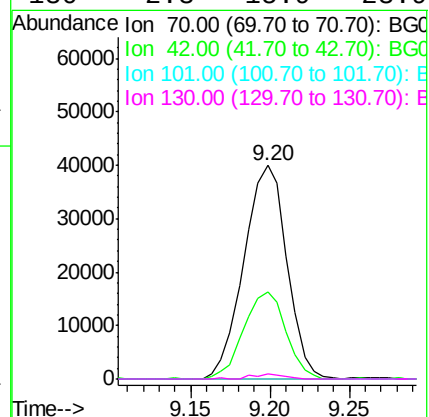
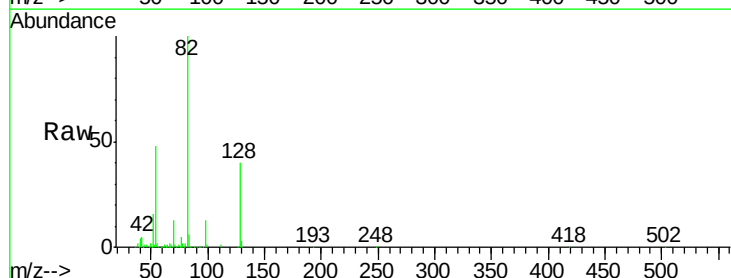
Ion Ratio Lower Upper

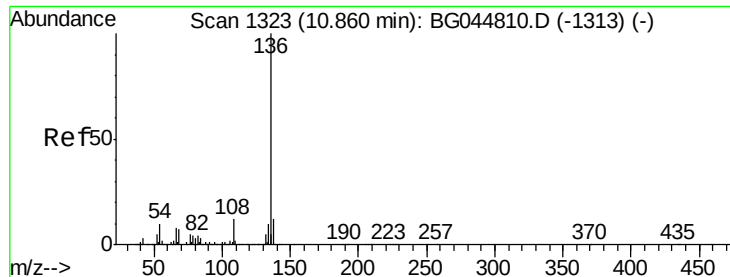
70 100

42 41.0 45.7 68.5#

101 0.0 7.4 11.2#

130 2.3 15.9 23.9#

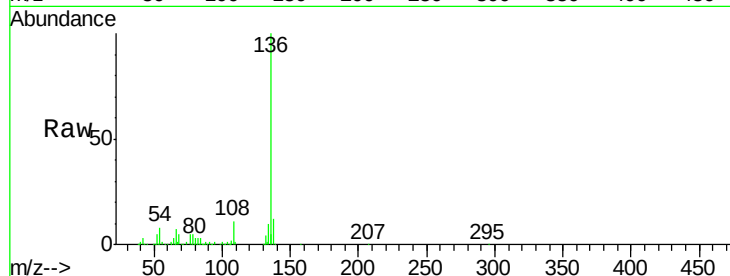




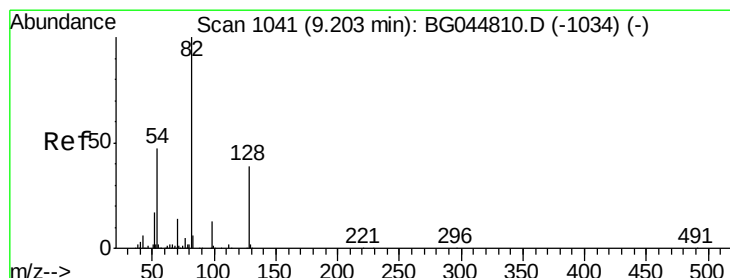
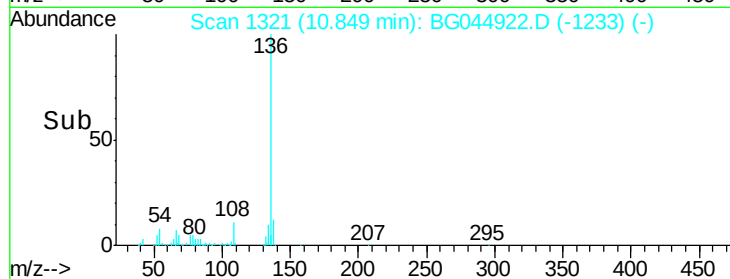
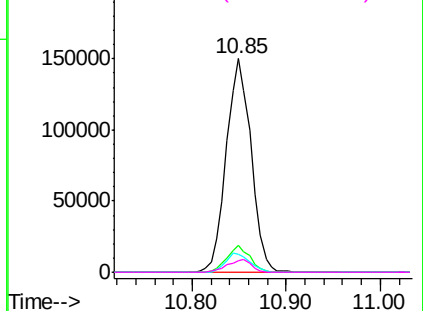
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044922.D
Acq: 20 Mar 2020 16:34

Instrument :
BNA_G
ClientSampleId :
PB127702BL

Tgt Ion:	136	Resp:	275017
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.6
54	8.5	7.9	11.9
68	5.5	5.4	8.0

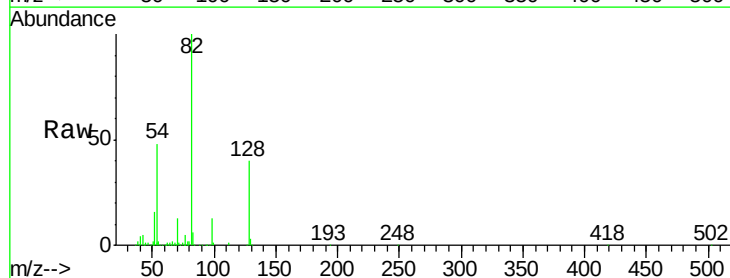


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

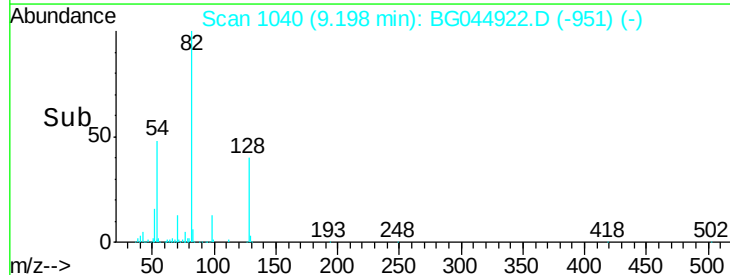
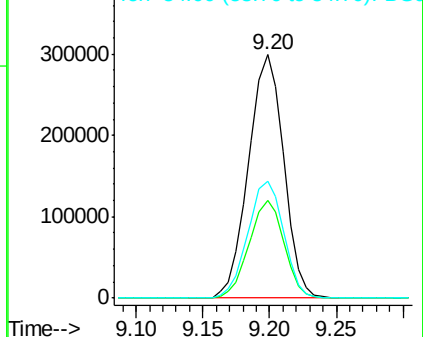


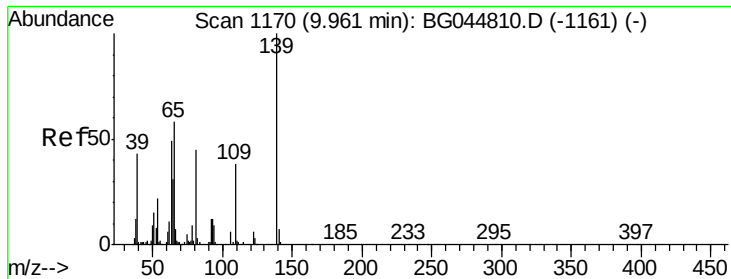
#23
Nitrobenzene-d5
Concen: 87.03 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044922.D
Acq: 20 Mar 2020 16:34

Tgt Ion:	82	Resp:	545472
Ion	Ratio	Lower	Upper
82	100		
128	40.2	30.6	46.0
54	48.2	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

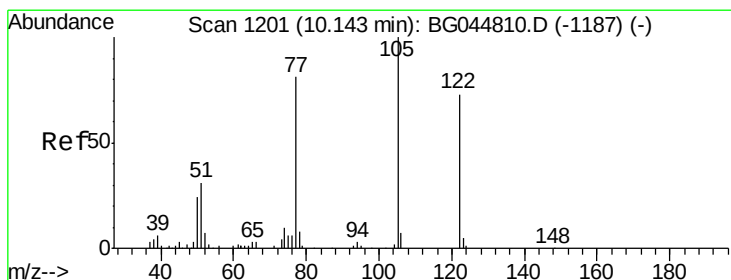
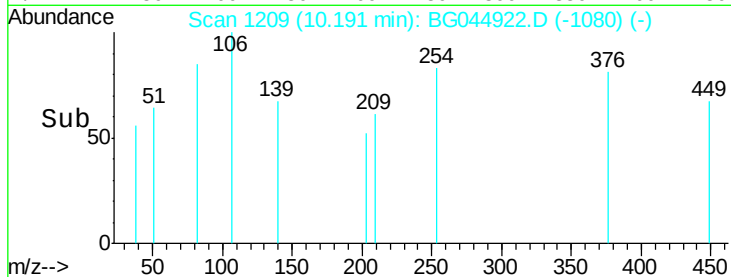
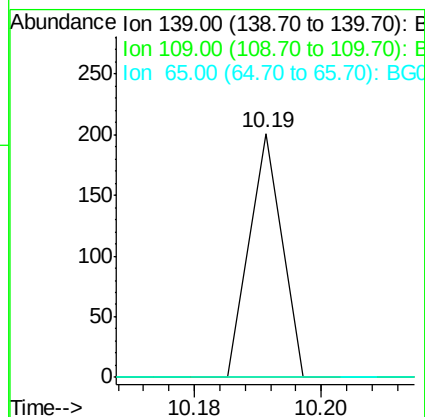
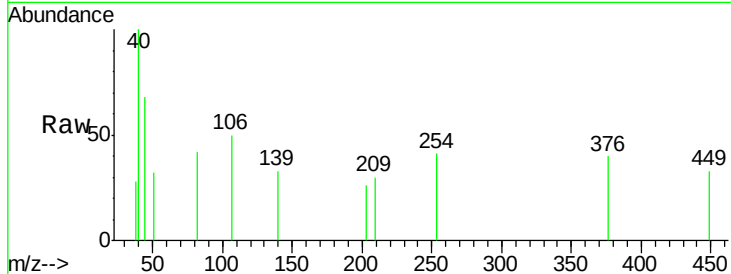




#26
 2-Nitrophenol
 Concen: 5.54 ng
 RT: 10.19 min Scan# 1209
 Delta R.T. 0.23 min
 Lab File: BG044922.D
 Acq: 20 Mar 2020 16:34

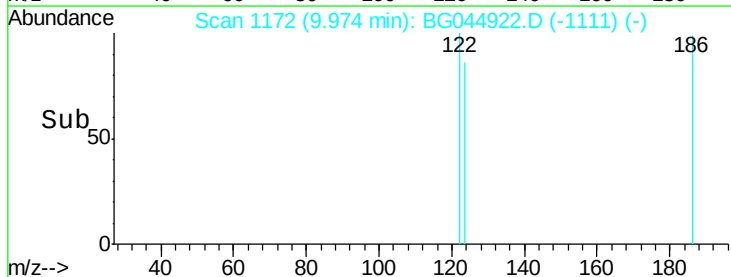
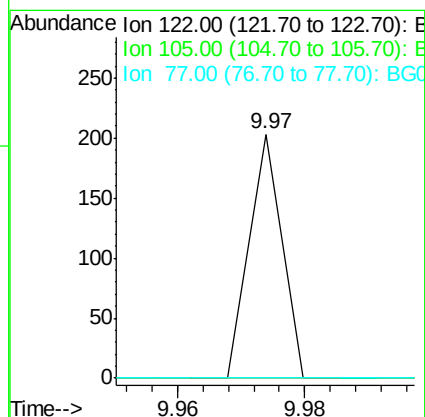
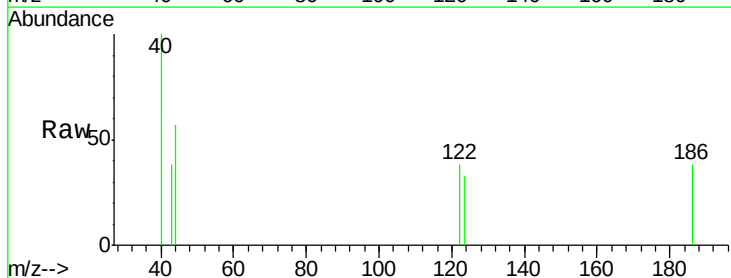
Instrument :
 BNA_G
 ClientSampleId :
 PB127702BL

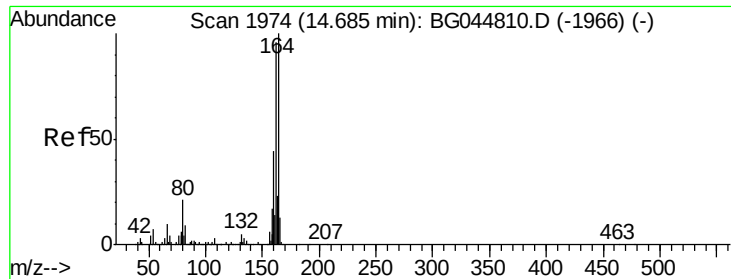
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
 Benzoic acid
 Concen: 9.69 ng
 RT: 9.97 min Scan# 1172
 Delta R.T. -0.17 min
 Lab File: BG044922.D
 Acq: 20 Mar 2020 16:34

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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB127702BL

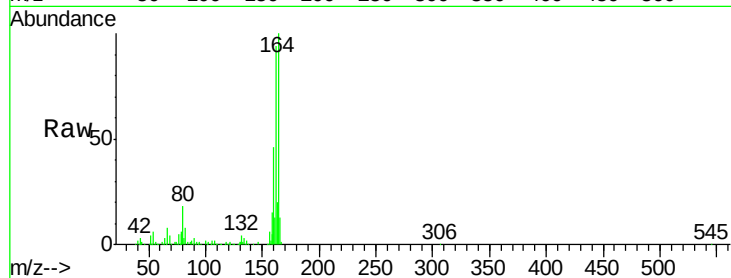
Tgt Ion:164 Resp: 188383

Ion Ratio Lower Upper

164 100

162 93.7 76.7 115.1

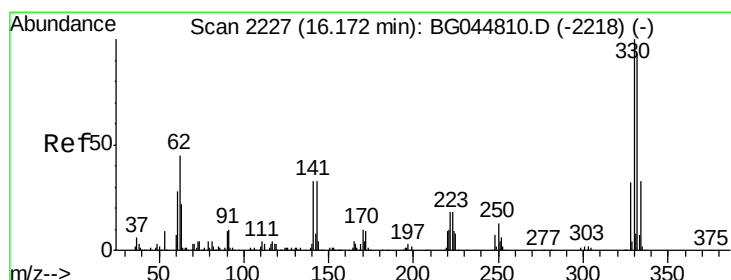
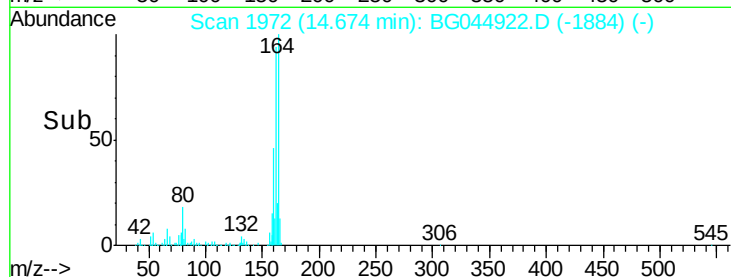
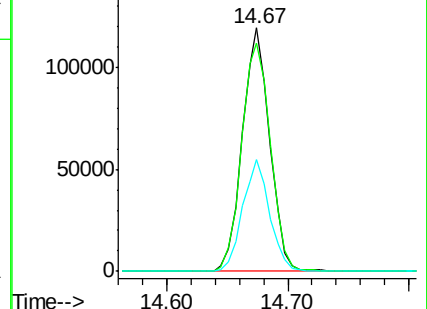
160 46.0 35.0 52.4



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: 154.30 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

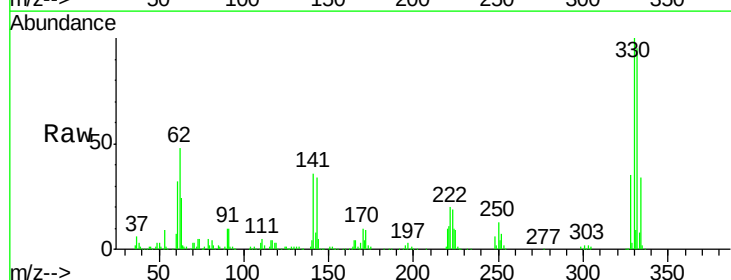
Tgt Ion:330 Resp: 380598

Ion Ratio Lower Upper

330 100

332 97.4 77.8 116.6

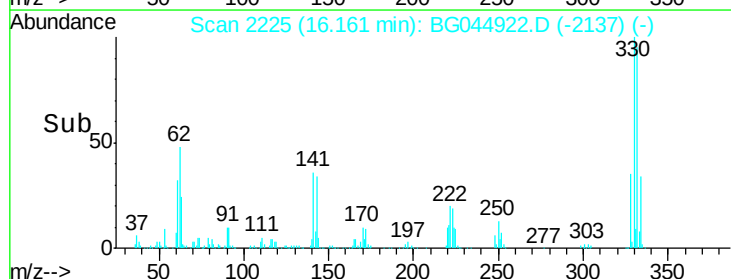
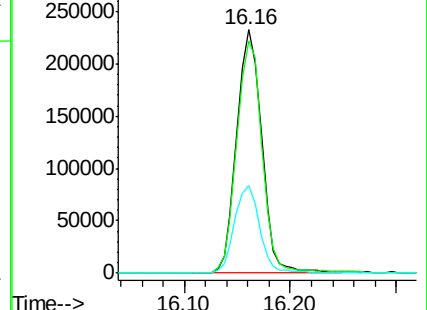
141 36.1 29.5 44.3

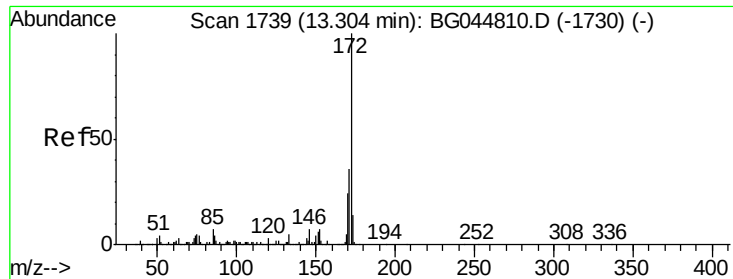


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

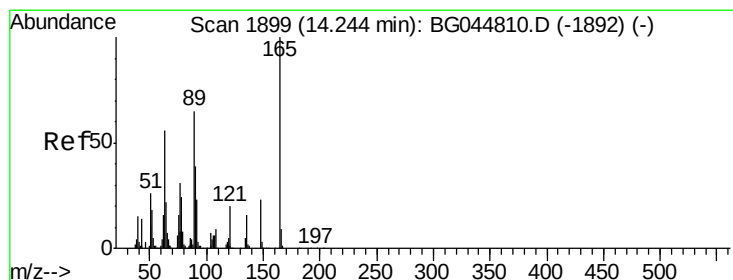
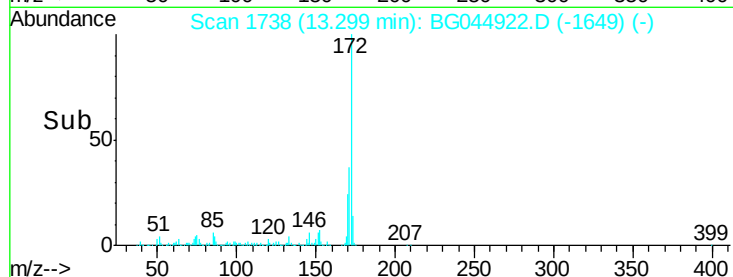
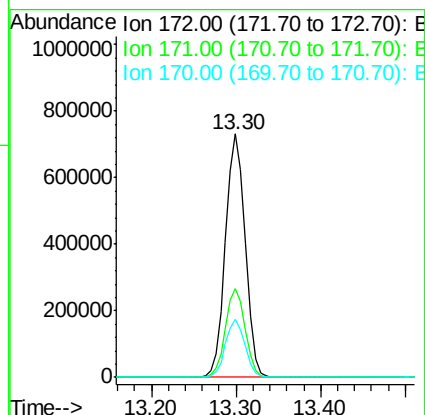
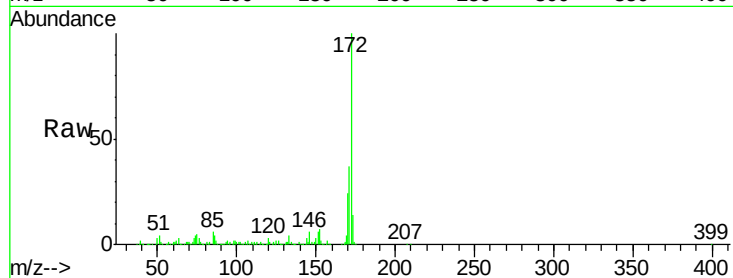




#45
2-Fluorobiphenyl
Concen: 89.80 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044922.D
Acq: 20 Mar 2020 16:34

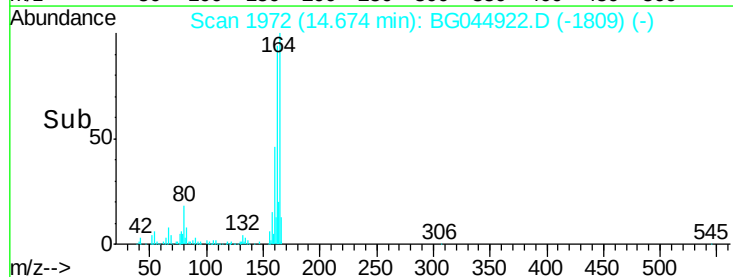
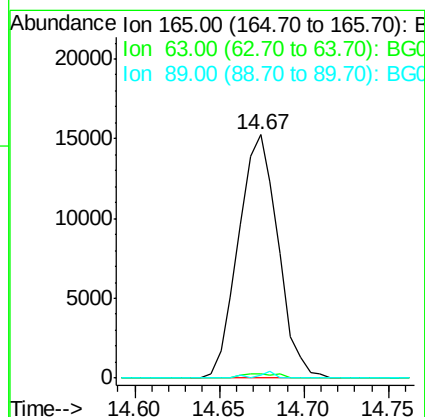
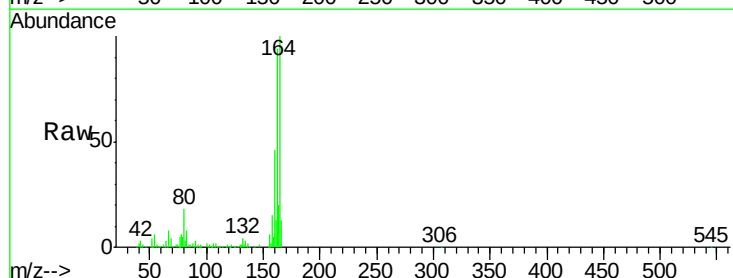
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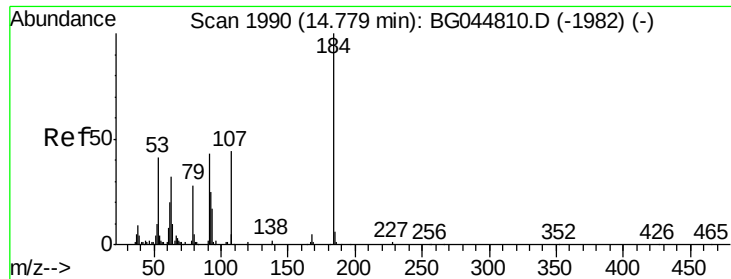
Tgt Ion:172 Resp: 1181289
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 23.8 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.21 ng
RT: 14.67 min Scan# 1972
Delta R.T. 0.43 min
Lab File: BG044922.D
Acq: 20 Mar 2020 16:34

Tgt Ion:165 Resp: 24817
Ion Ratio Lower Upper
165 100
63 1.7 45.8 68.8#
89 1.4 51.8 77.6#

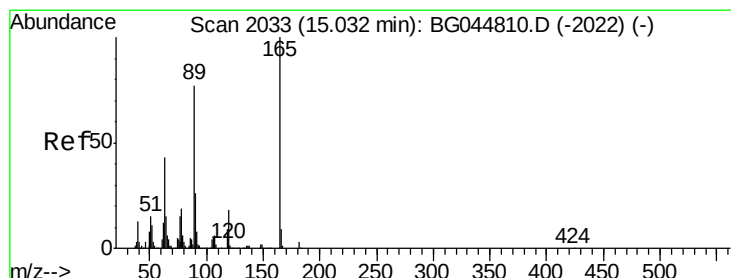
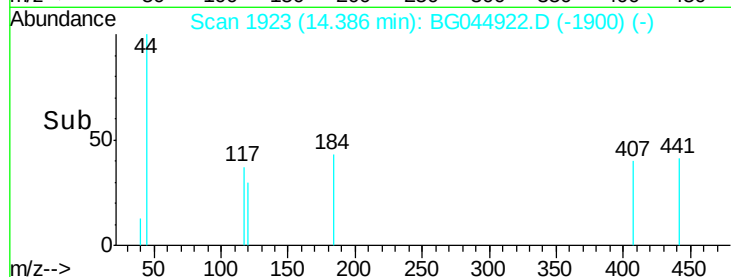
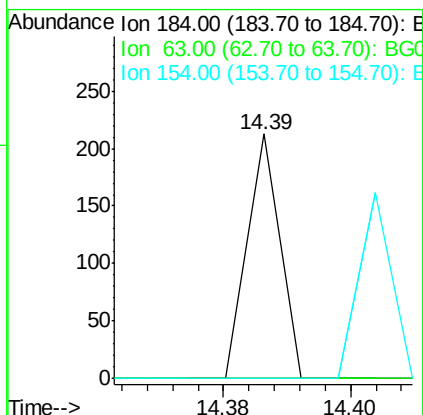
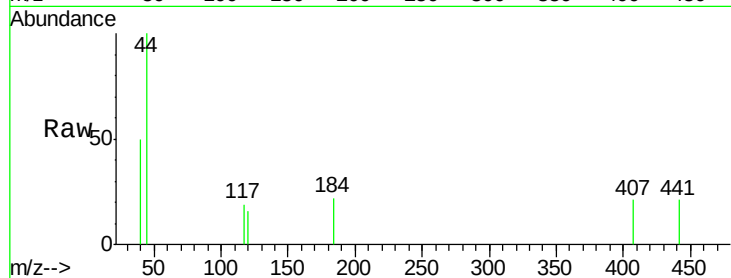




#54
2,4-Dinitrophenol
Concen: 8.37 ng
RT: 14.39 min Scan# 1923
Delta R.T. -0.39 min
Lab File: BG044922.D
Acq: 20 Mar 2020 16:34

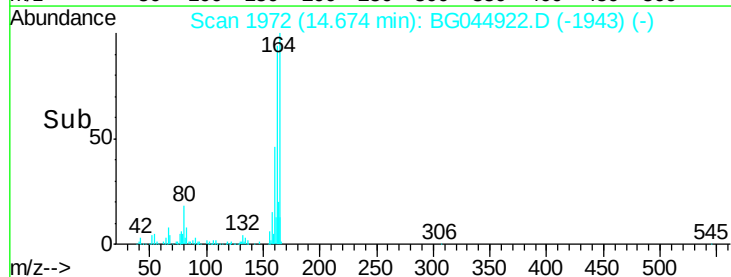
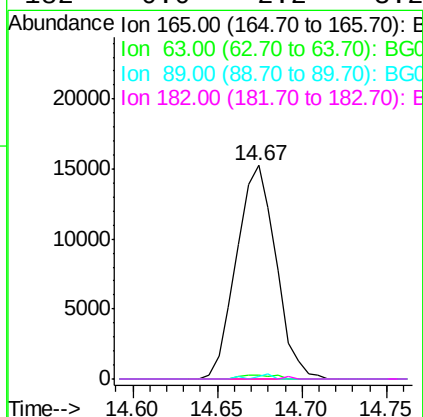
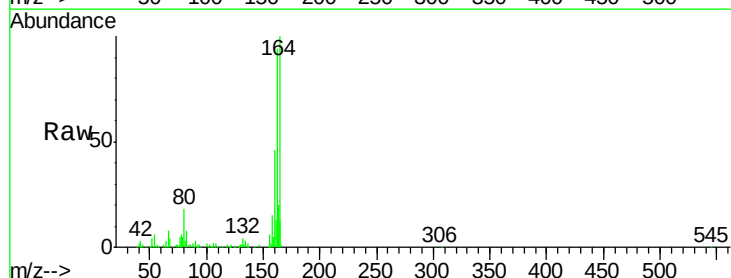
Instrument :
BNA_G
ClientSampleId :
PB127702BL

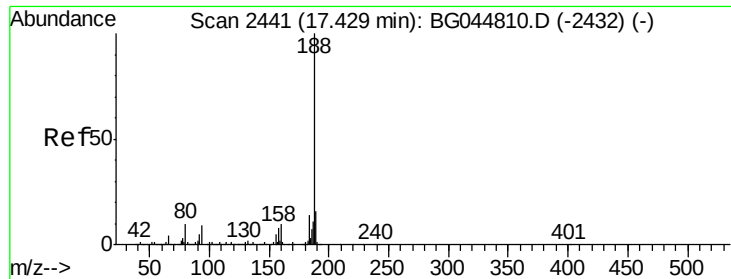
Tgt Ion:184 Resp: 75
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.98 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044922.D
Acq: 20 Mar 2020 16:34

Tgt Ion:165 Resp: 24817
Ion Ratio Lower Upper
165 100
63 1.7 34.6 52.0#
89 1.4 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: BG044922.D

Acq: 20 Mar 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB127702BL

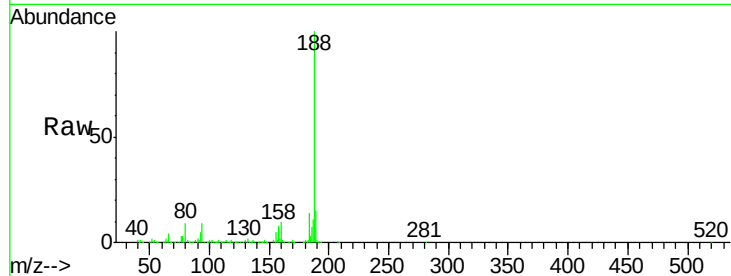
Tgt Ion:188 Resp: 470038

Ion Ratio Lower Upper

188 100

94 8.7 7.3 10.9

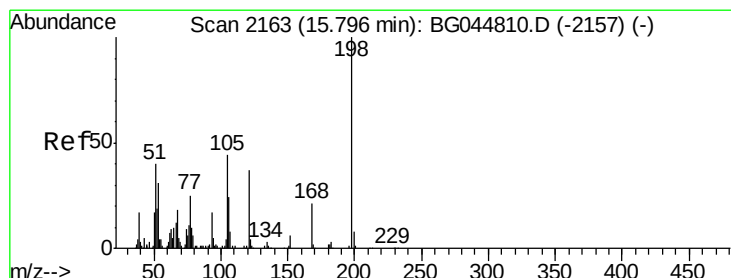
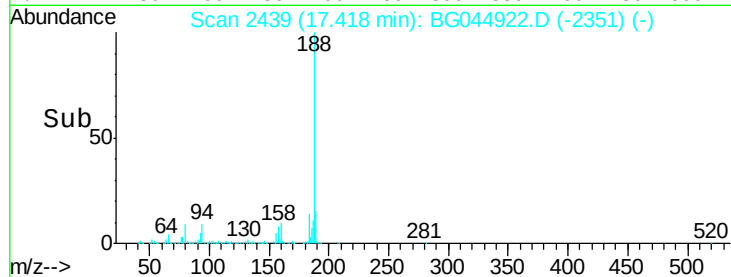
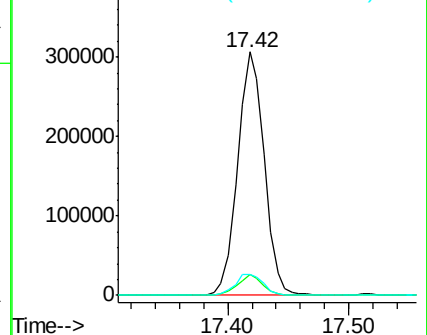
80 8.6 8.0 12.0



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: 7.75 ng

RT: 15.96 min Scan# 2191

Delta R.T. 0.17 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

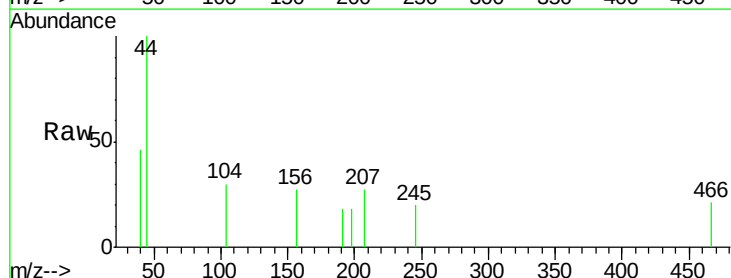
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

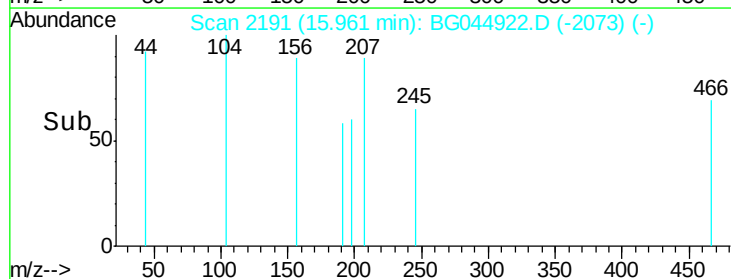
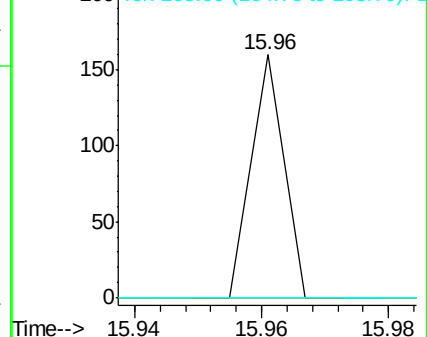
105 0.0 24.5 64.5#

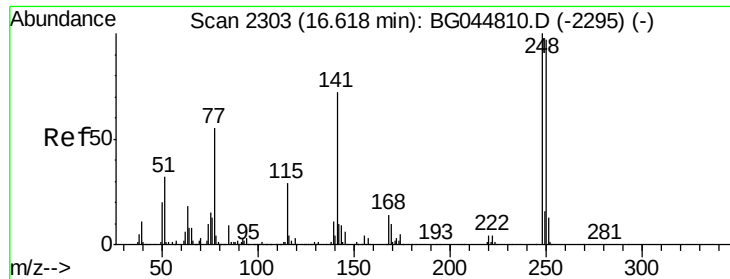


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

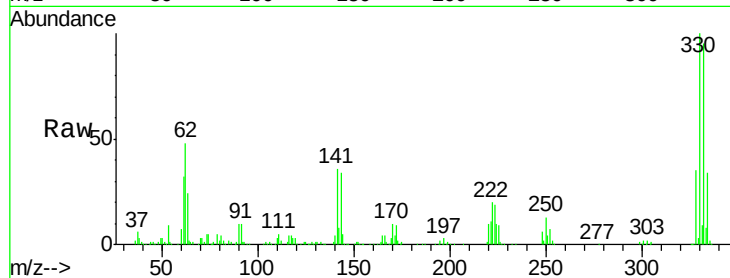




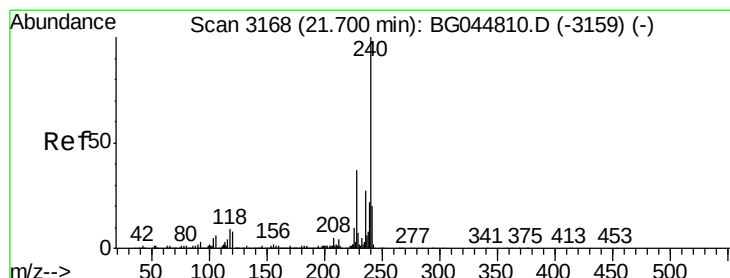
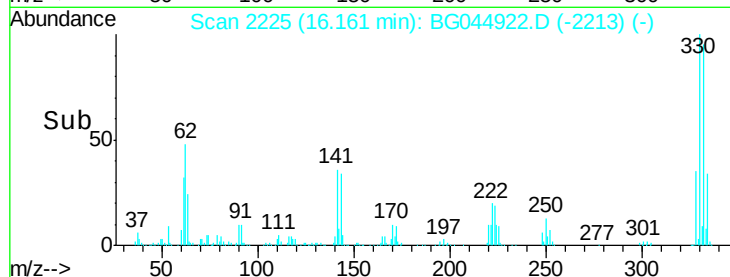
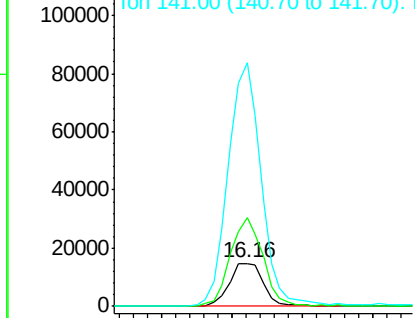
#67
4-Bromophenyl-phenylether
Concen: 4.25 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.46 min
Lab File: BG044922.D
Acq: 20 Mar 2020 16:34

Instrument :
BNA_G
ClientSampled :
PB127702BL

Tgt Ion:248 Resp: 24956
Ion Ratio Lower Upper
248 100
250 206.5 77.9 116.9#
141 568.8 57.5 86.3#

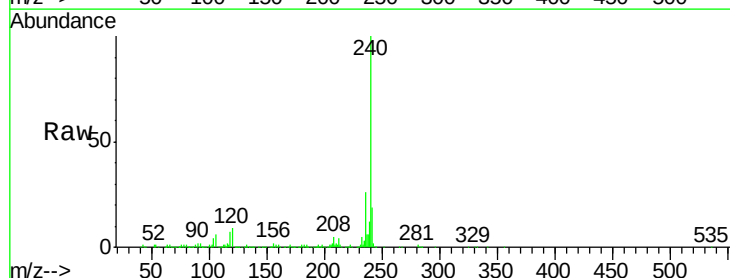


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

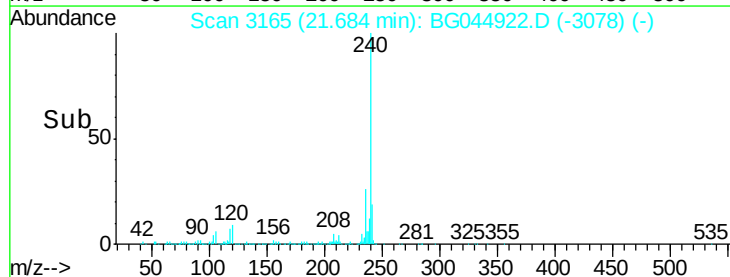
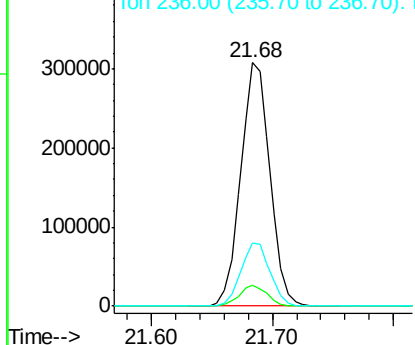


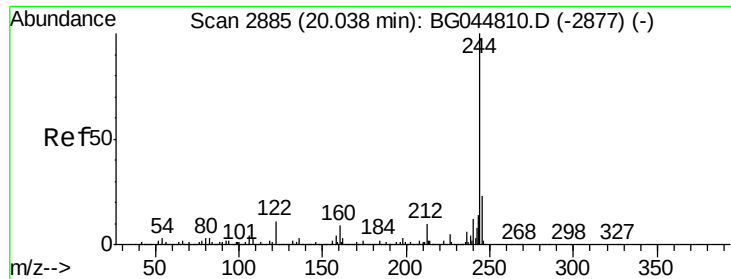
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044922.D
Acq: 20 Mar 2020 16:34

Tgt Ion:240 Resp: 517155
Ion Ratio Lower Upper
240 100
120 8.7 6.7 10.1
236 26.0 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





#79

Terphenyl-d14

Concen: 80.98 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

Instrument :

BNA_G

ClientSampleId :

PB127702BL

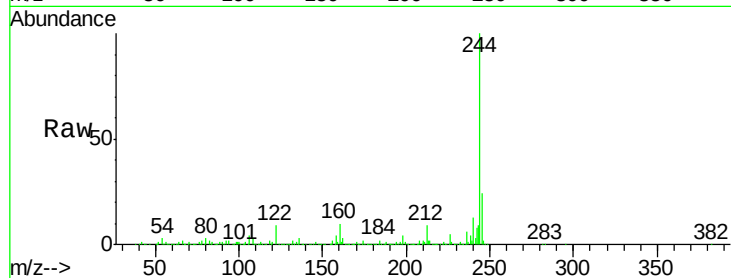
Tgt Ion:244 Resp: 2238846

Ion Ratio Lower Upper

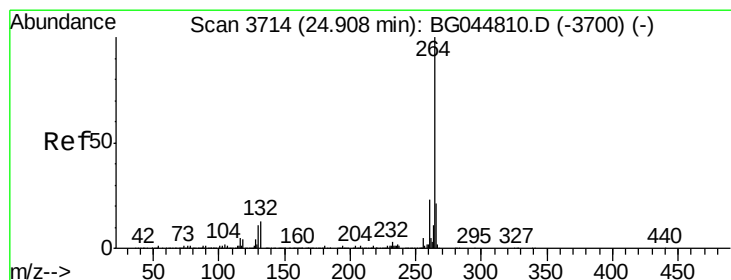
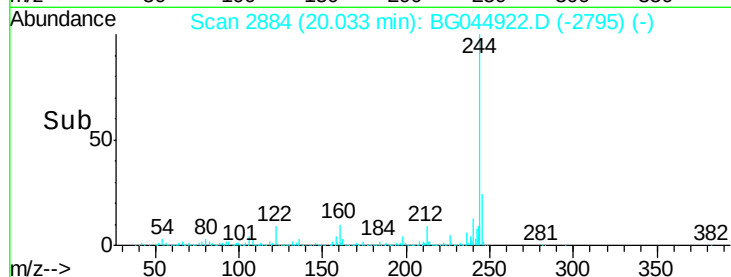
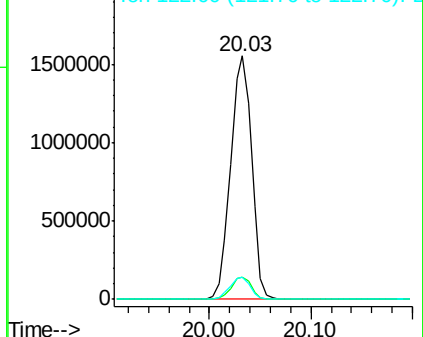
244 100

212 9.3 7.7 11.5

122 9.3 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# 3710

Delta R.T. -0.02 min

Lab File: BG044922.D

Acq: 20 Mar 2020 16:34

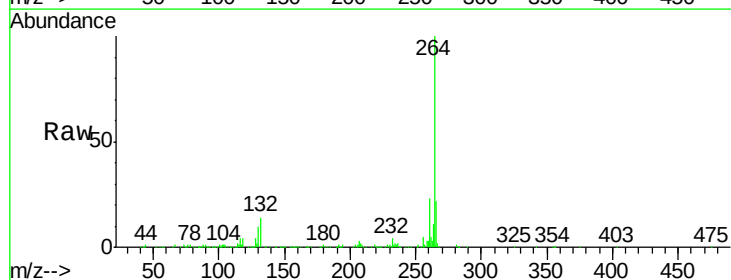
Tgt Ion:264 Resp: 538889

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 22.5 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

