

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022120\
 Data File : BG044564.D
 Acq On : 22 Feb 2020 00:48
 Operator : CG/JU
 Sample : L1578-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 22 05:55:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 21 16:02:12 2020
 Response via : Initial Calibration

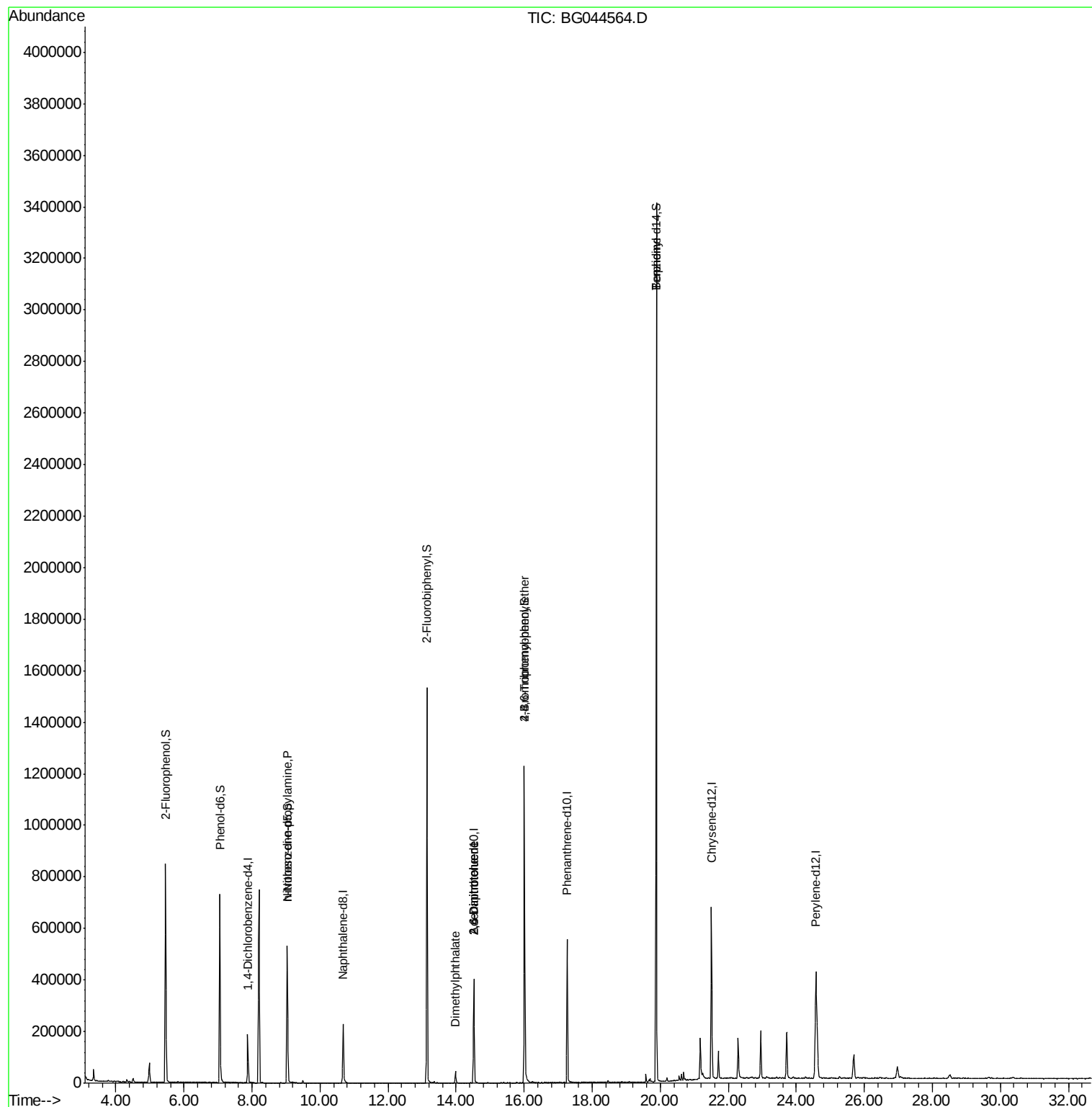
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	58104	20.00	ng	0.00
21) Naphthalene-d8	10.68	136	224902	20.00	ng	0.00
39) Acenaphthene-d10	14.52	164	146835	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	361312	20.00	ng	0.00
76) Chrysene-d12	21.51	240	375013	20.00	ng	0.00
87) Perylene-d12	24.58	264	420341	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	427025	129.70	ng	0.00
7) Phenol-d6	7.05	99	499613	113.01	ng	0.00
23) Nitrobenzene-d5	9.03	82	363253	91.19	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	272944	158.34	ng	0.00
45) 2-Fluorobiphenyl	13.14	172	851615	97.12	ng	0.00
79) Terphenyl-d14	19.89	244	1671502	91.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.03	70	47311	16.057	ng	Qvalue # 76
50) Dimethylphthalate	13.98	163	42099	3.989	ng	97
51) 2,6-Dinitrotoluene	14.52	165	19189	8.154	ng	# 31
57) 2,4-Dinitrotoluene	14.52	165	19189	5.818	ng	# 29
67) 4-Bromophenyl-phenylether	16.01	248	18541	4.710	ng	# 1
77) Benzidine	19.89	184	26199	2.519	ng	# 91

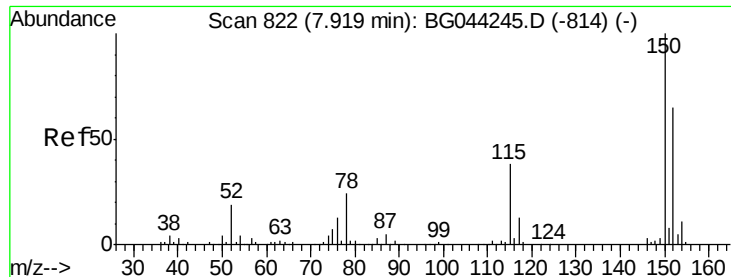
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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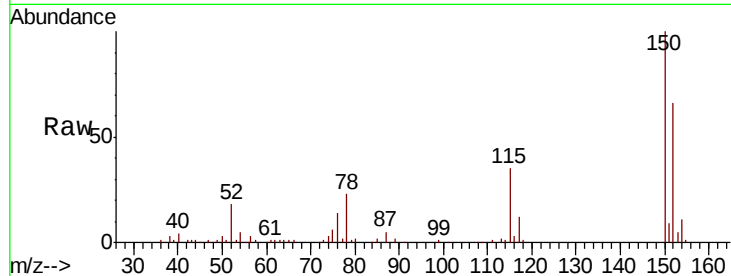


#1

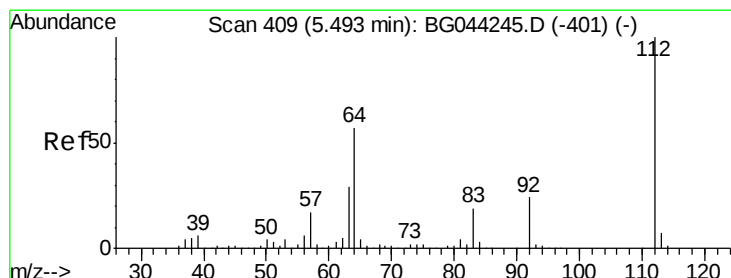
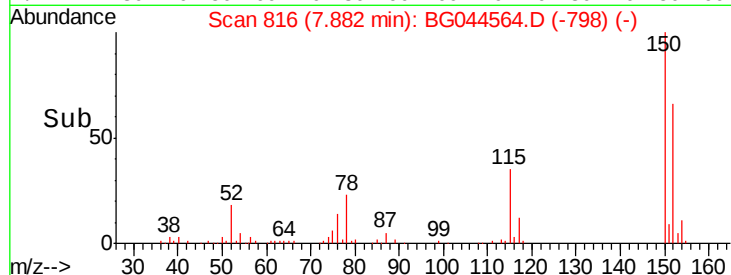
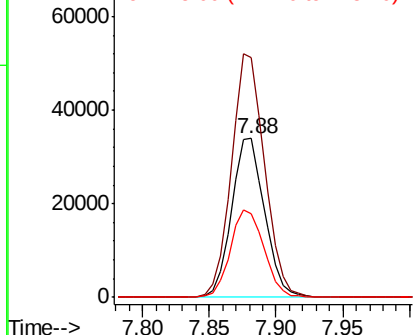
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.88 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BG044564.D
 Acq: 22 Feb 2020 00:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	123.1	184.7
115	52.2	45.1	67.7



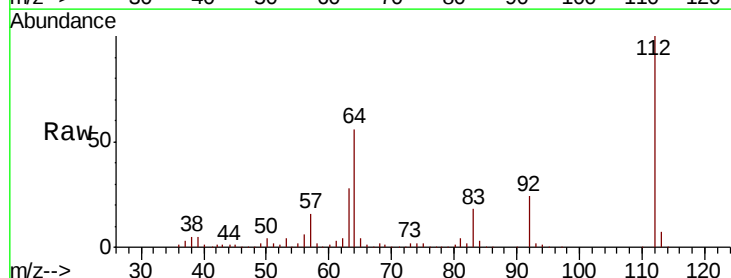
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



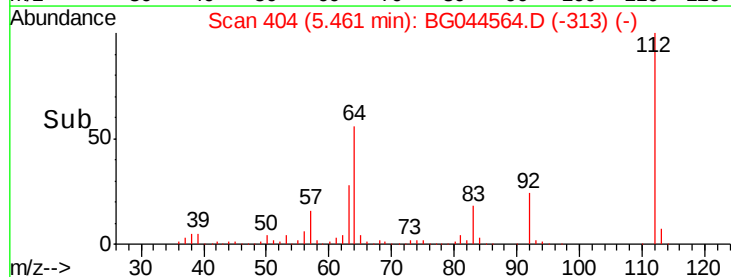
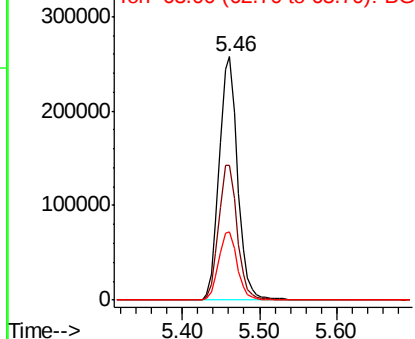
#5

2-Fluorophenol
 Concen: 129.704 ng
 RT: 5.46 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BG044564.D
 Acq: 22 Feb 2020 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.5	66.7
63	28.3	22.2	33.2



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: 113.007 ng

RT: 7.05 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG044564.D

Acq: 22 Feb 2020 00:48

Instrument :

BNA_G

ClientSampleId :

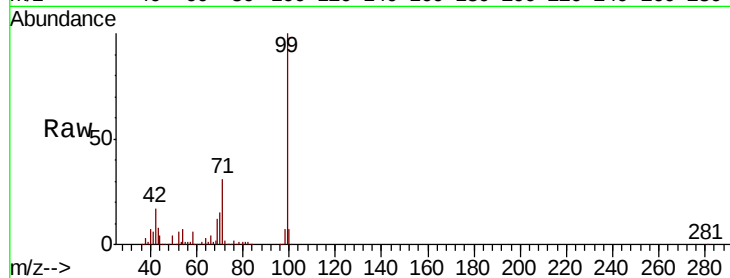
Tot Ion: 99 Resp: 499613

Ion Ratio Lower Upper

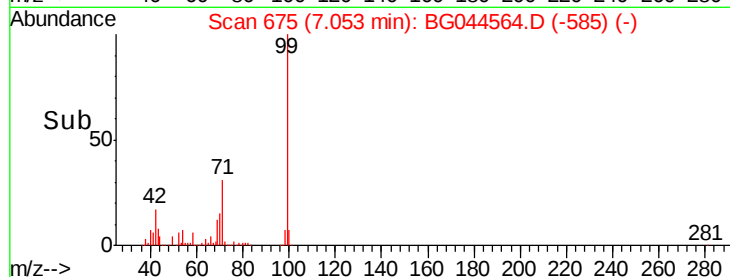
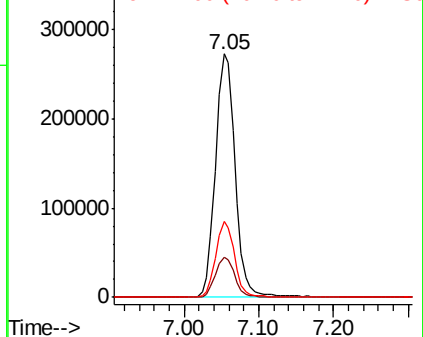
99 100

42 16.7 13.4 20.0

71 31.1 24.7 37.1



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: 16.057 ng

RT: 9.03 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG044564.D

Acq: 22 Feb 2020 00:48

Tgt Ion: 70 Resp: 47311

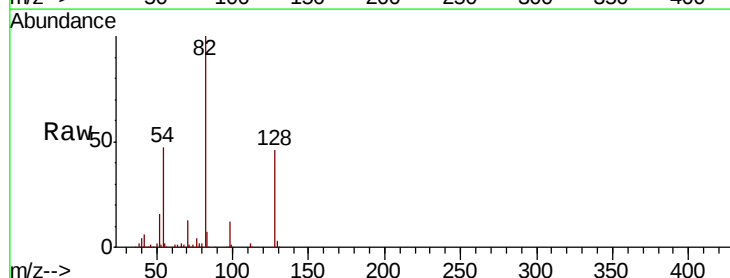
Ion Ratio Lower Upper

70 100

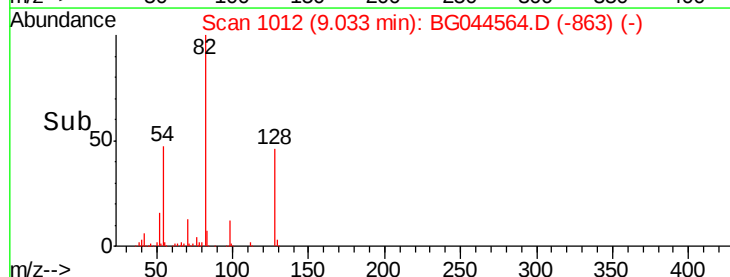
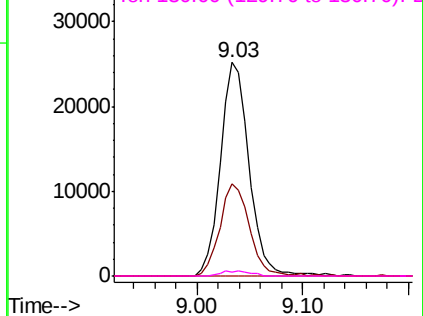
42 43.0 44.0 66.0#

101 0.0 7.6 11.4#

130 2.1 18.2 27.2#



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: 10.68 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BG044564.D

Acq: 22 Feb 2020 00:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 224902

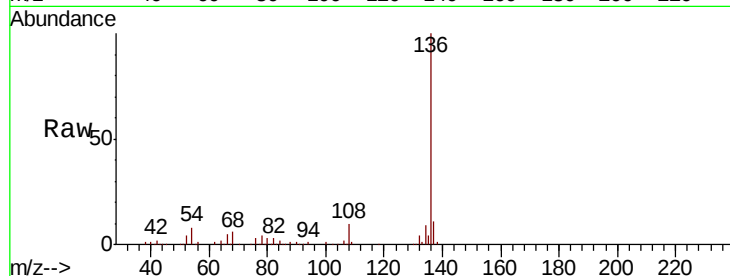
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 7.7 5.5 8.3

68 5.6 4.6 6.8

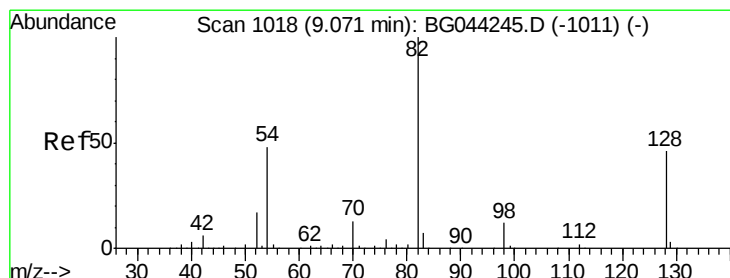
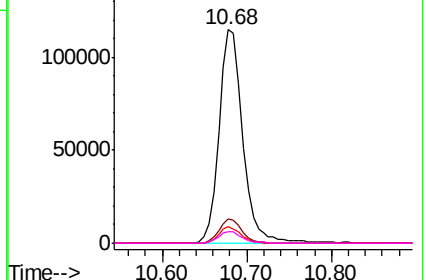
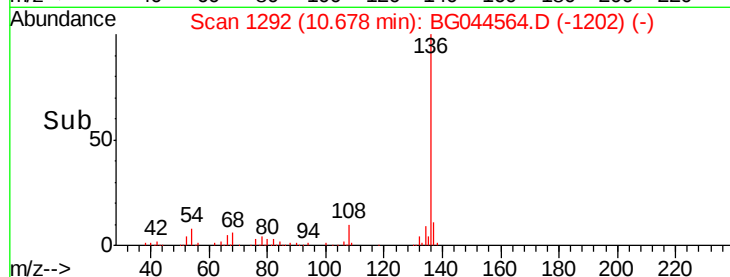


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.186 ng

RT: 9.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BG044564.D

Acq: 22 Feb 2020 00:48

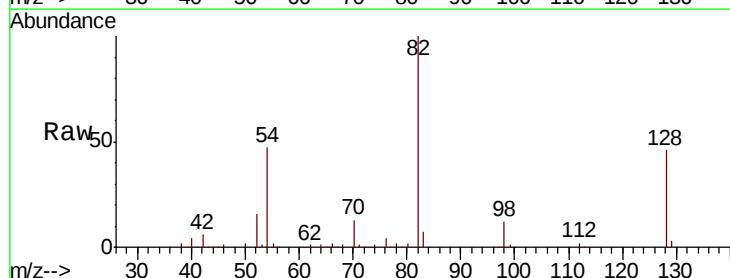
Tgt Ion: 82 Resp: 363253

Ion Ratio Lower Upper

82 100

128 46.2 39.1 58.7

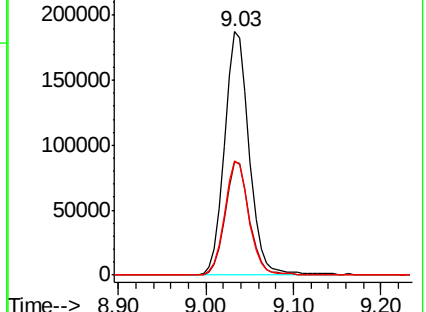
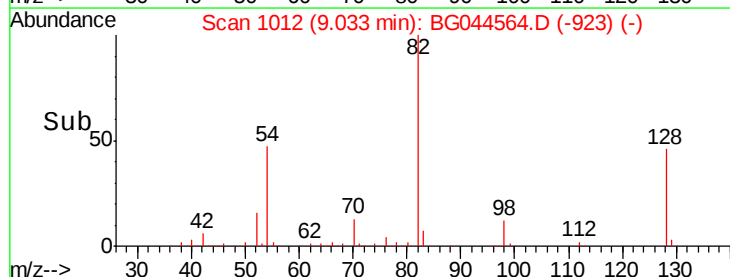
54 47.1 37.9 56.9

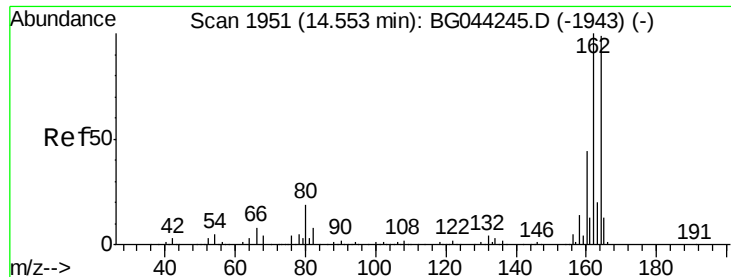


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

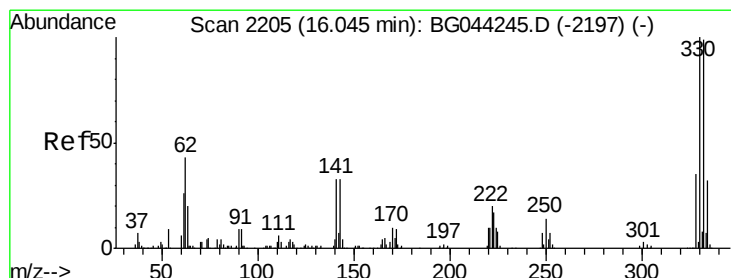
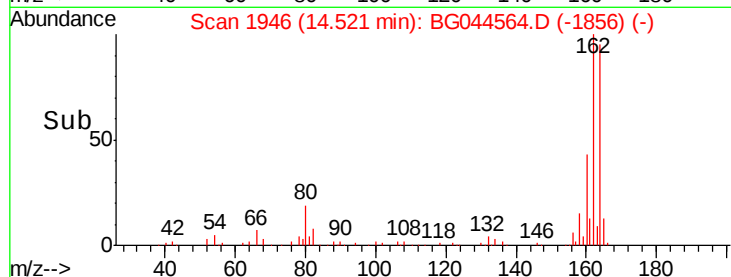
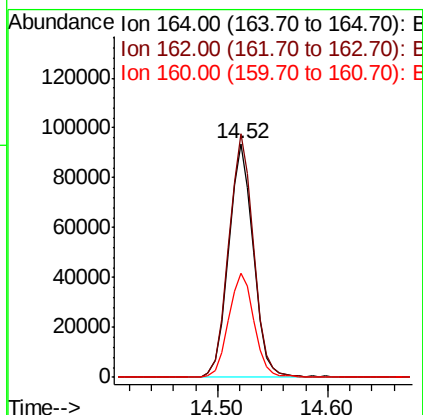
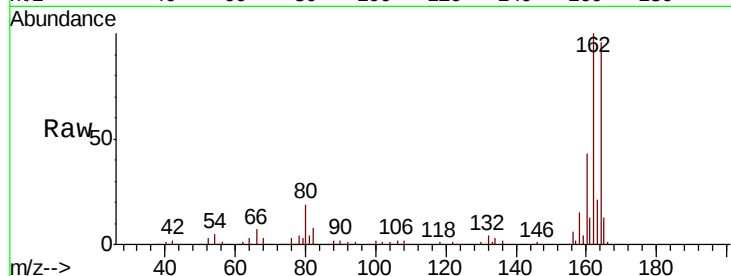




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BG044564.D
Acq: 22 Feb 2020 00:48

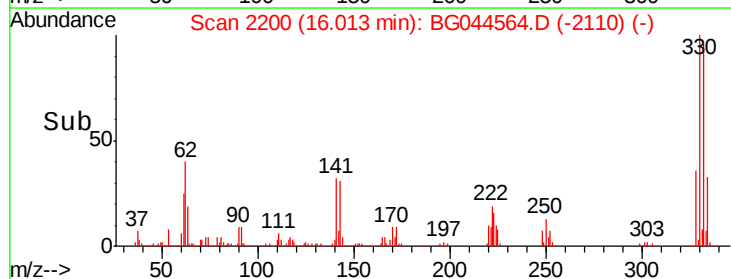
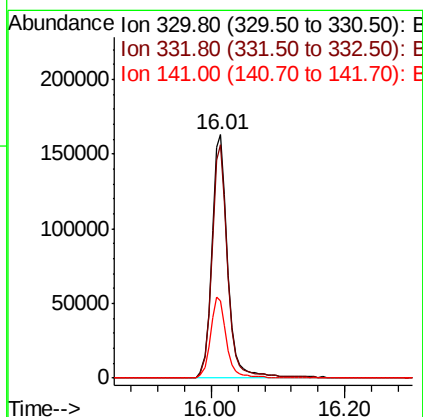
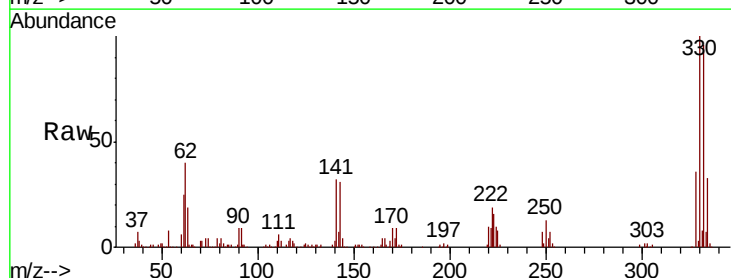
Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 146835
Ion Ratio Lower Upper
164 100
162 104.3 81.9 122.9
160 44.5 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 158.342 ng
RT: 16.01 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BG044564.D
Acq: 22 Feb 2020 00:48

Tgt Ion:330 Resp: 272944
Ion Ratio Lower Upper
330 100
332 95.1 76.6 115.0
141 33.5 26.5 39.7

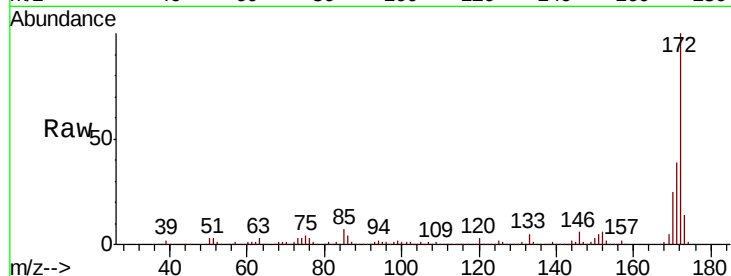




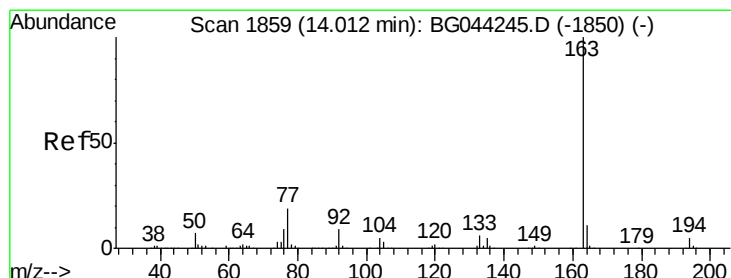
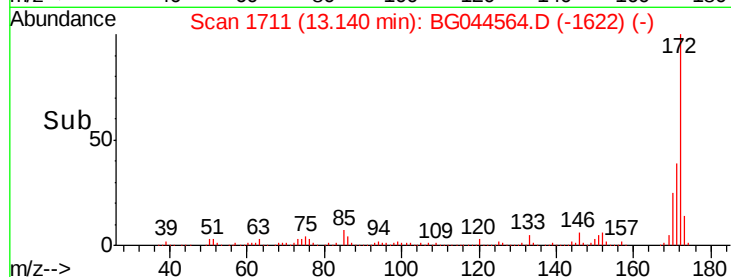
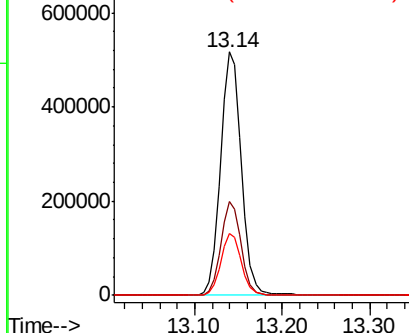
#45
2-Fluorobiphenyl
Concen: 97.121 ng
RT: 13.14 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BG044564.D
Acq: 22 Feb 2020 00:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 851615
Ion Ratio Lower Upper
172 100
171 38.7 32.3 48.5
170 25.4 21.6 32.4

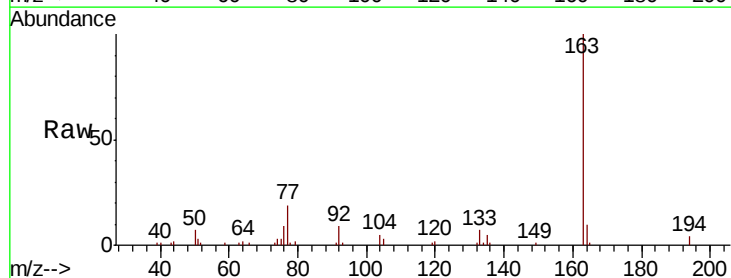


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

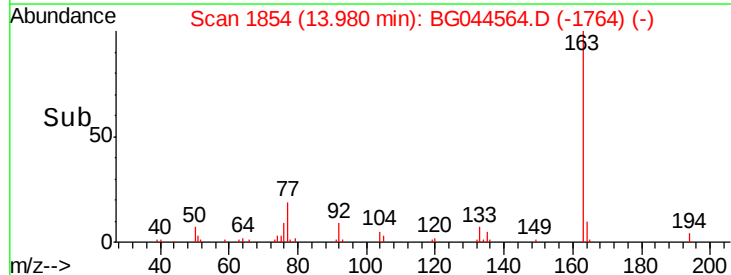
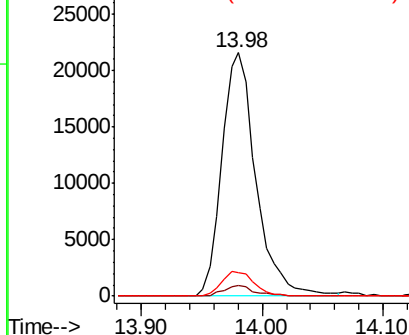


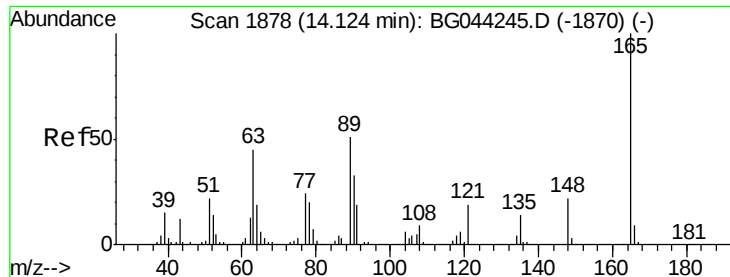
#50
Dimethylphthalate
Concen: 3.989 ng
RT: 13.98 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BG044564.D
Acq: 22 Feb 2020 00:48

Tgt Ion:163 Resp: 42099
Ion Ratio Lower Upper
163 100
194 4.5 3.6 5.4
164 9.8 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

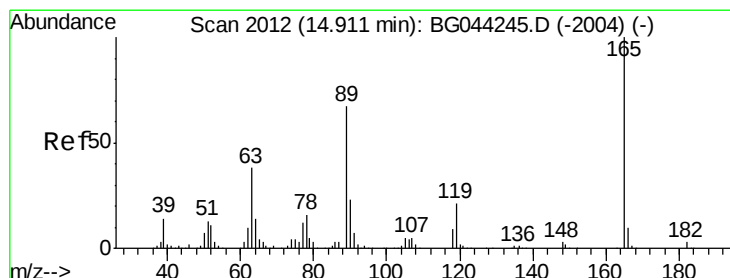
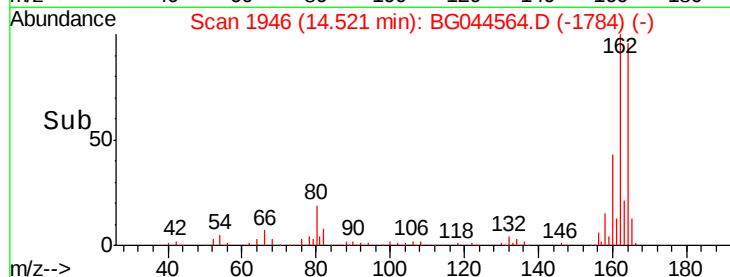
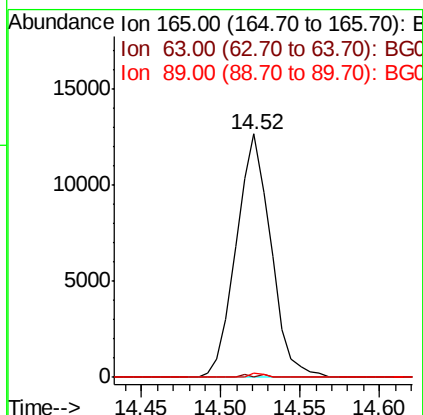
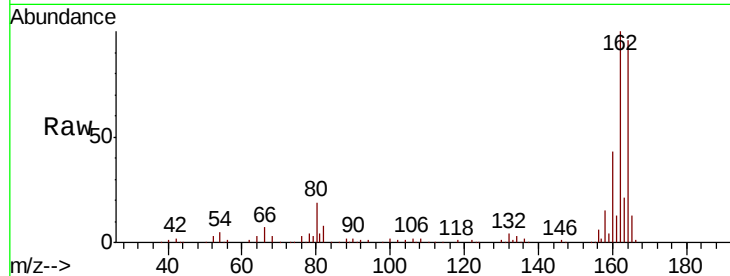




#51
 2,6-Dinitrotoluene
 Concen: 8.154 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG044564.D
 Acq: 22 Feb 2020 00:48

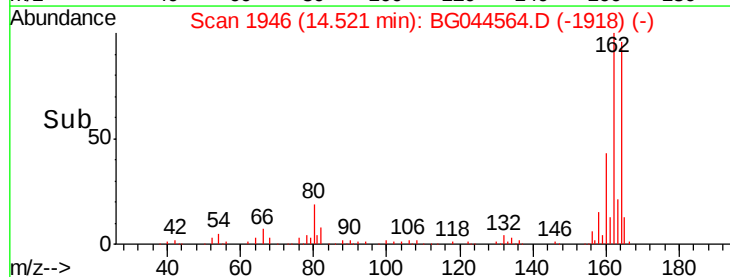
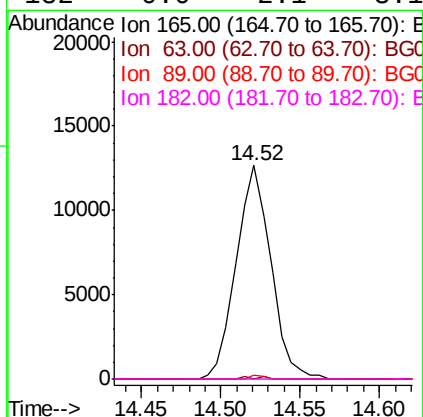
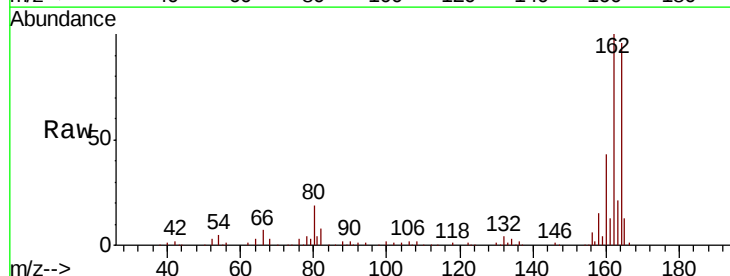
Instrument :
 BNA_G
 ClientSampleId :

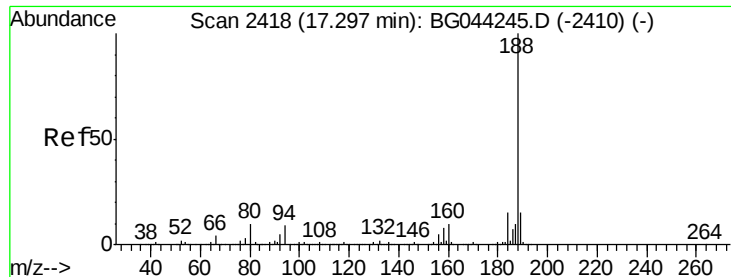
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	1.9	39.5	59.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.818 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. -0.37 min
 Lab File: BG044564.D
 Acq: 22 Feb 2020 00:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.6	42.8#
89	1.9	50.7	76.1#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.26 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BG044564.D

Acq: 22 Feb 2020 00:48

Instrument :

BNA_G

ClientSampleId :

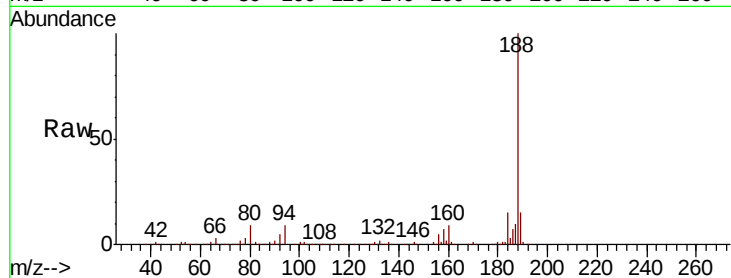
Tot Ion:188 Resp: 361312

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.0

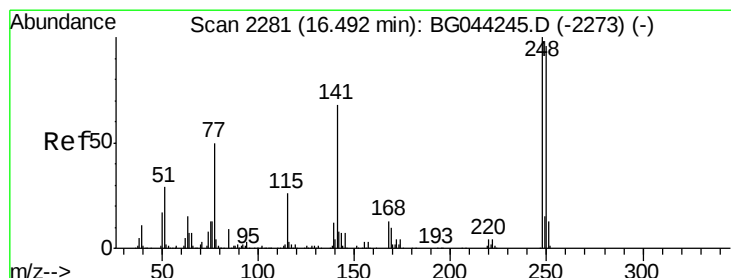
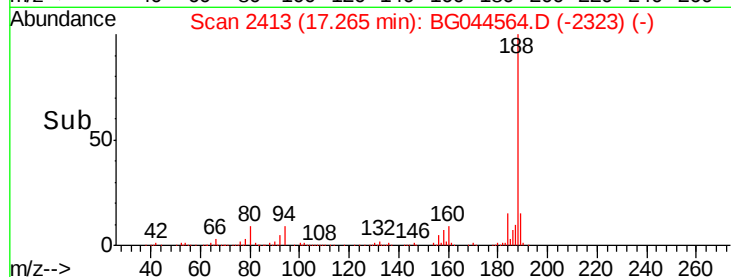
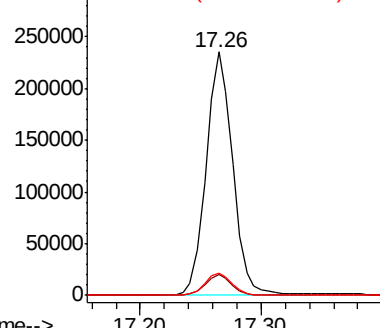
80 9.3 7.8 11.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.710 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.45 min

Lab File: BG044564.D

Acq: 22 Feb 2020 00:48

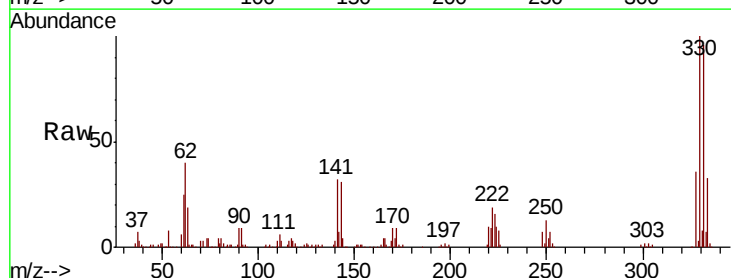
Tgt Ion:248 Resp: 18541

Ion Ratio Lower Upper

248 100

250 177.1 76.8 115.2#

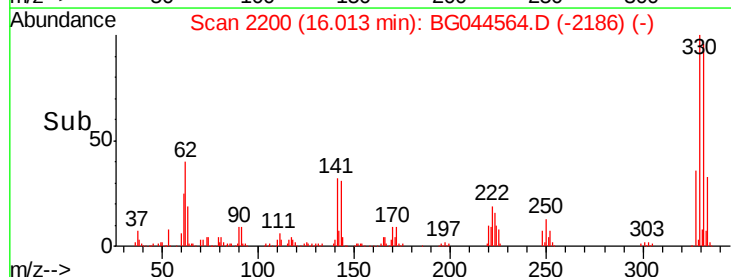
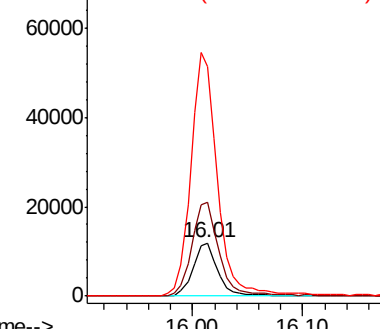
141 433.8 50.0 75.0#



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

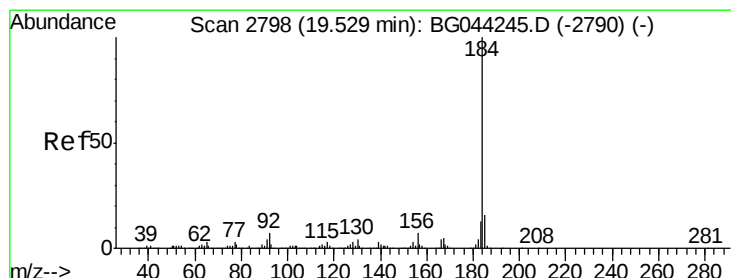
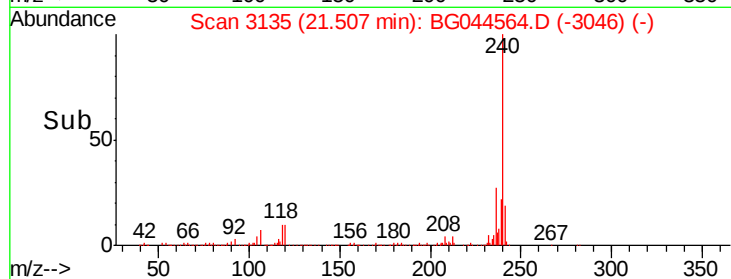
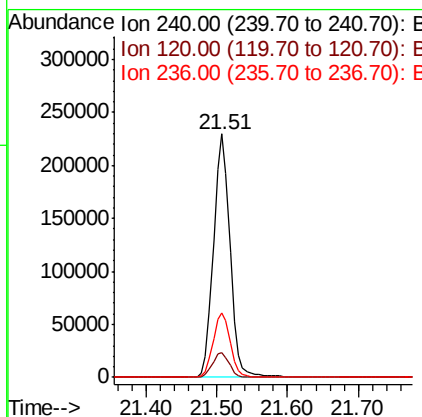
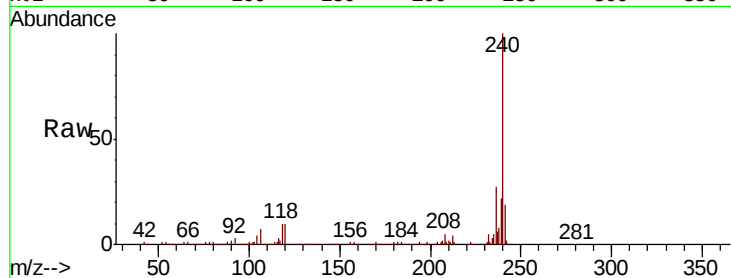




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.51 min Scan# 3135
 Delta R.T. -0.01 min
 Lab File: BG044564.D
 Acq: 22 Feb 2020 00:48

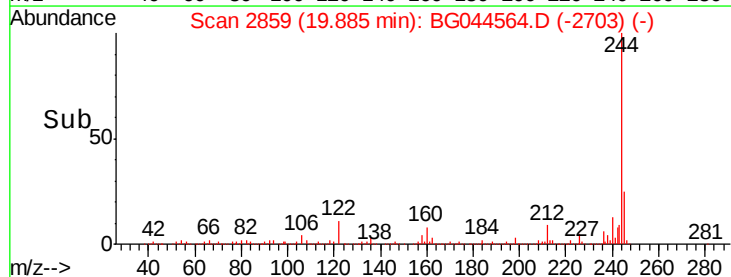
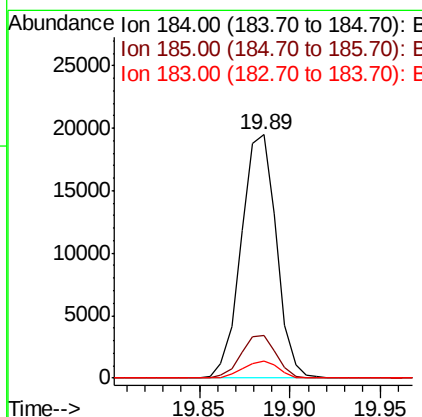
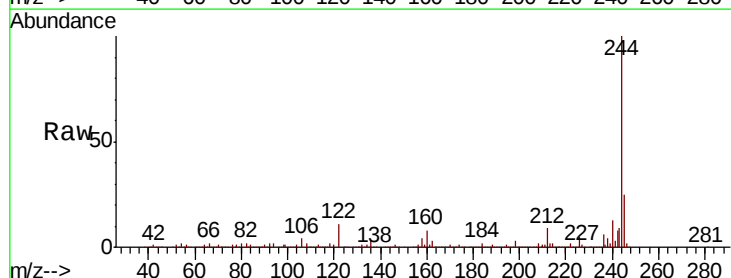
Instrument :
 BNA_G
 ClientSampleId :

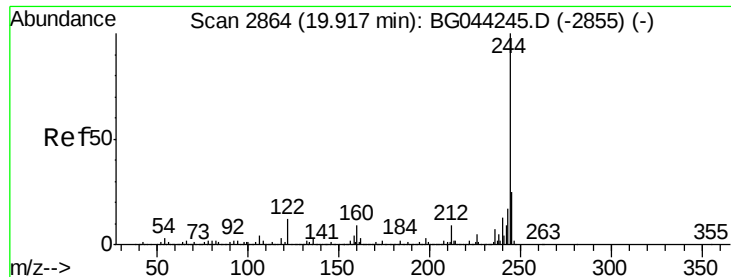
Tot Ion:240 Resp: 375013
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.2 12.2
 236 26.7 22.0 33.0



#77
 Benzidine
 Concen: 2.519 ng
 RT: 19.89 min Scan# 2859
 Delta R.T. 0.39 min
 Lab File: BG044564.D
 Acq: 22 Feb 2020 00:48

Tgt Ion:184 Resp: 26199
 Ion Ratio Lower Upper
 184 100
 185 17.3 13.0 19.4
 183 7.3 11.0 16.4#





#79

Terphenyl-d14

Concen: 91.679 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG044564.D

Acq: 22 Feb 2020 00:48

Instrument :

BNA_G

ClientSampleId :

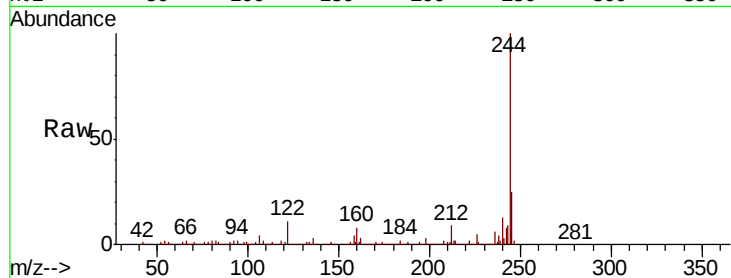
Tot Ion:244 Resp: 1671502

Ion Ratio Lower Upper

244 100

212 8.6 7.6 11.4

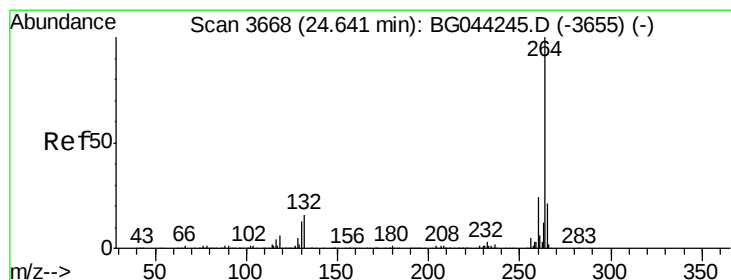
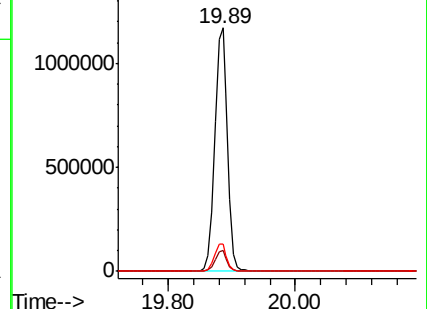
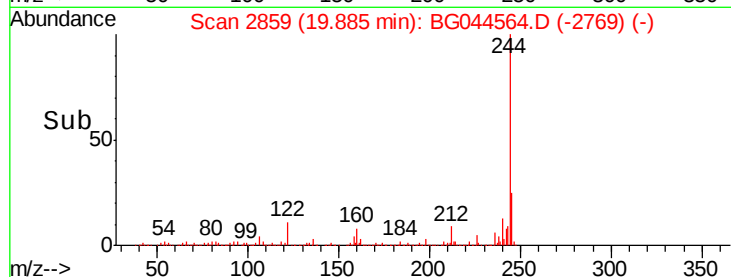
122 11.2 9.8 14.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.58 min Scan# 3658

Delta R.T. -0.00 min

Lab File: BG044564.D

Acq: 22 Feb 2020 00:48

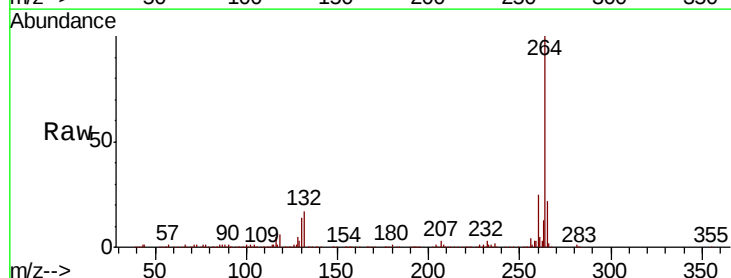
Tgt Ion:264 Resp: 420341

Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.8

265 22.1 17.6 26.4



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

