

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020320\
 Data File : BG044280.D
 Acq On : 3 Feb 2020 20:00
 Operator : CG/JU
 Sample : L1346-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 04 00:30:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	75550	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	311013	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	255327	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	564456	20.00	ng	0.00
76) Chrysene-d12	21.54	240	510399	20.00	ng	0.00
87) Perylene-d12	24.65	264	555010	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	655922	153.22	ng	0.00
7) Phenol-d6	7.09	99	890384	154.89	ng	0.00
23) Nitrobenzene-d5	9.08	82	561800	101.98	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	425625	142.00	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1287205	84.42	ng	0.00
79) Terphenyl-d14	19.92	244	2010193	81.01	ng	0.00

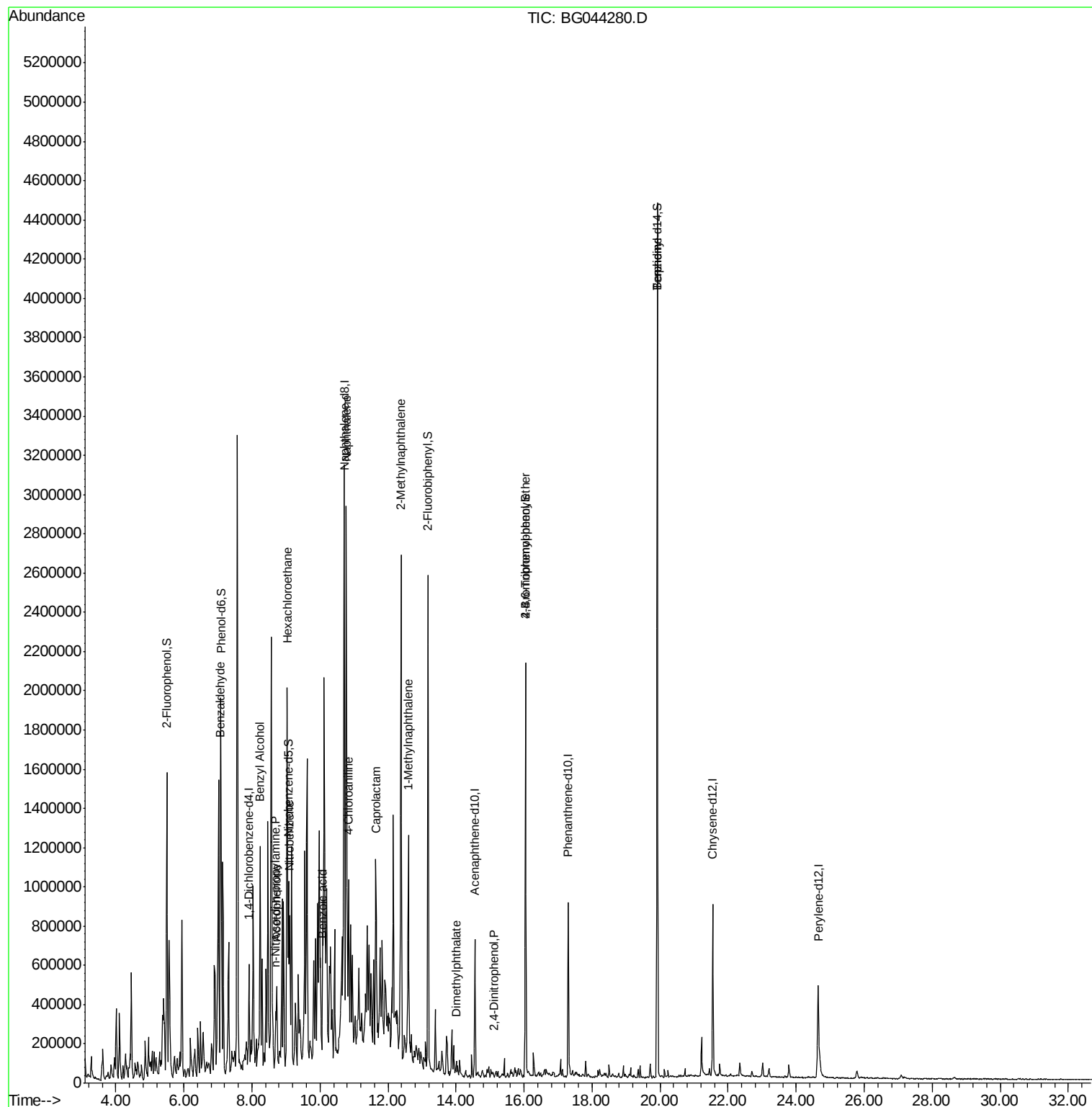
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.07	77	55204	16.861	ng	# 1
15) Benzyl Alcohol	8.24	79	12657	3.110	ng	# 48
18) Hexachloroethane	9.03	117	221460	106.076	ng	# 1
19) n-Nitroso-di-n-propylamine	8.69	70	15552	4.059	ng	# 61
22) Acetophenone	8.73	105	275835	36.457	ng	# 58
24) Nitrobenzene	9.11	77	23768	4.419	ng	# 13
31) Naphthalene	10.77	128	1638876	108.611	ng	# 94
32) Benzoic acid	10.06	122	468	14.298	ng	# 1
33) 4-Chloroaniline	10.84	127	20896	3.045	ng	# 1
35) Caprolactam	11.66	113	5938	3.403	ng	# 1
37) 2-Methylnaphthalene	12.38	142	1275458	113.845	ng	99
38) 1-Methylnaphthalene	12.60	142	537174	50.857	ng	100
50) Dimethylphthalate	14.01	163	54844	2.988	ng	99
54) 2,4-Dinitrophenol	15.11	184	137	7.676	ng	# 23
67) 4-Bromophenyl-phenylether	16.04	248	29925	4.866	ng	# 1
77) Benzidine	19.92	184	34148	2.412	ng	# 91

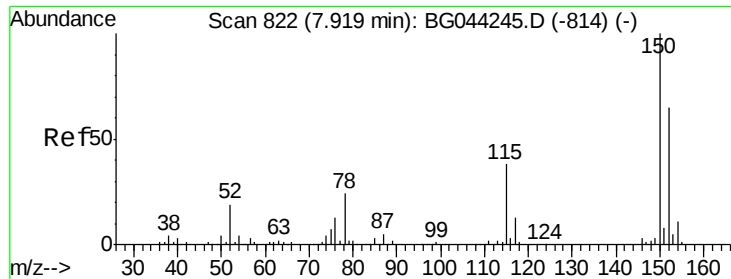
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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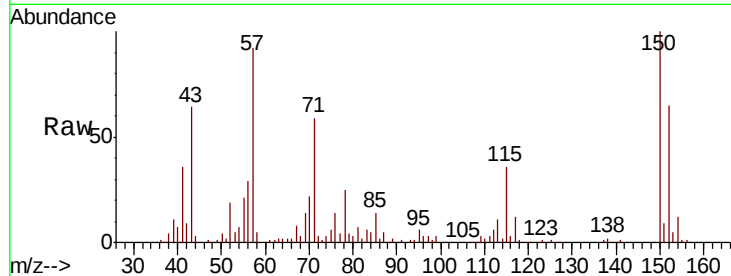


#1

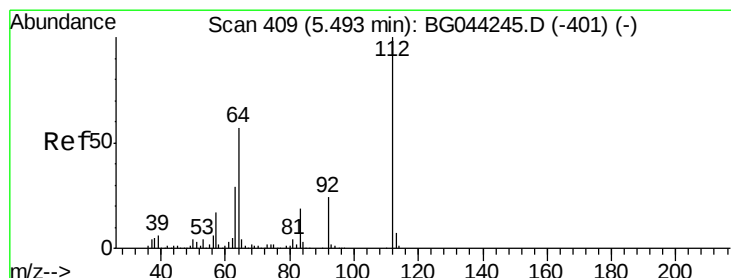
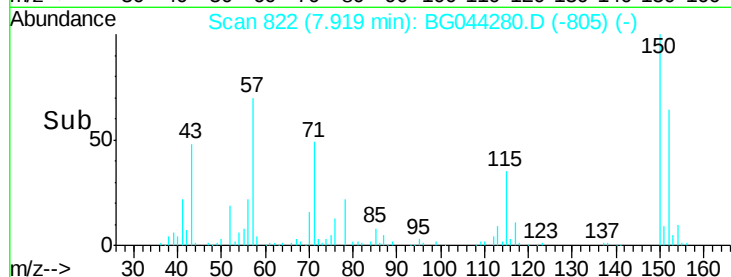
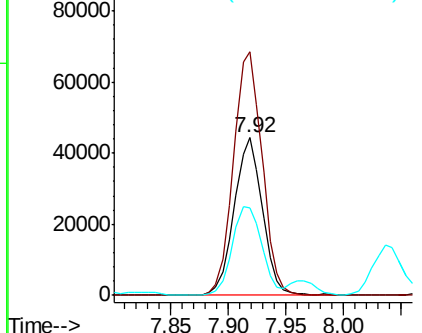
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 75550
Ion Ratio Lower Upper
152 100
150 154.7 122.6 183.8
115 55.9 46.0 69.0



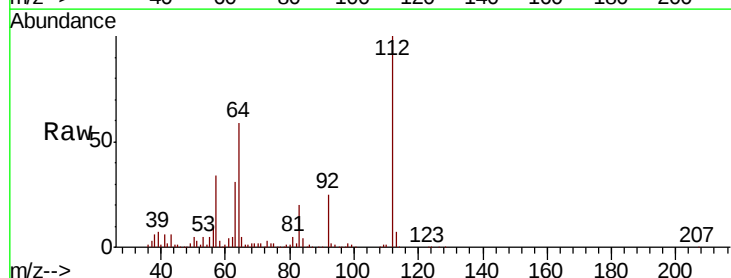
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



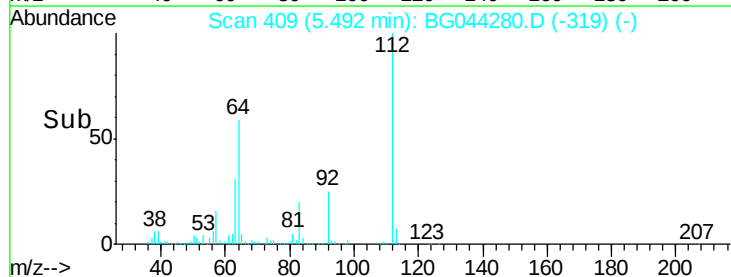
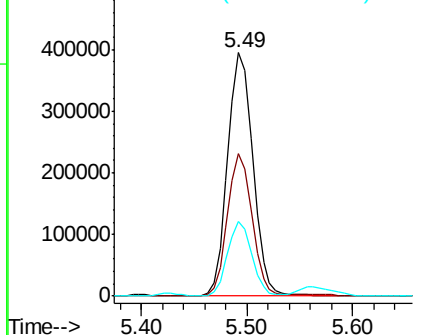
#5

2-Fluorophenol
Concen: 153.223 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

Tgt Ion:112 Resp: 655922
Ion Ratio Lower Upper
112 100
64 58.7 45.4 68.2
63 30.8 22.9 34.3



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: 154.889 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.01 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

Instrument :

BNA_G

ClientSampleId :

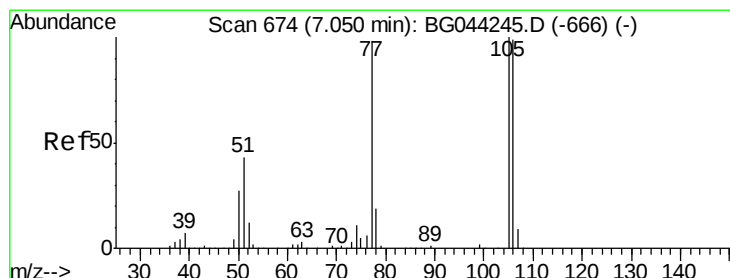
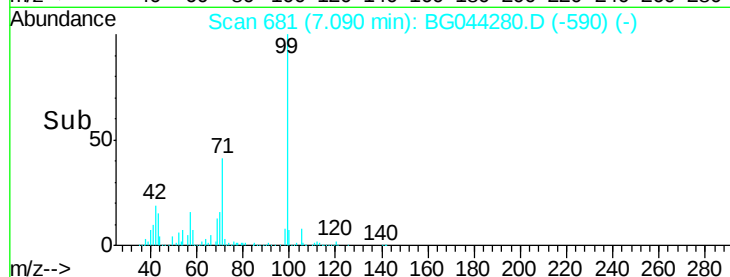
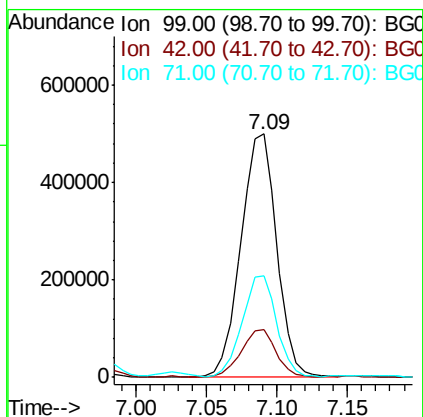
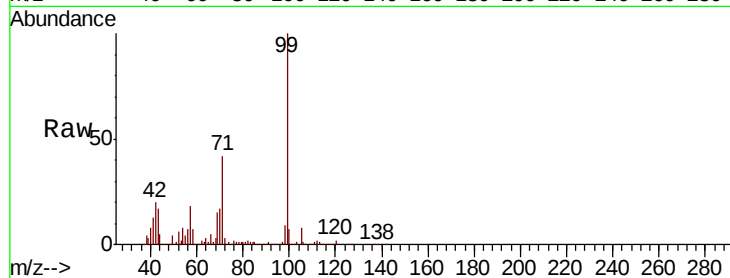
Tot Ion: 99 Resp: 890384

Ion Ratio Lower Upper

99 100

42 19.5 13.8 20.6

71 41.6 25.5 38.3#



#9

Benzaldehyde

Concen: 16.861 ng

RT: 7.07 min Scan# 677

Delta R.T. 0.02 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

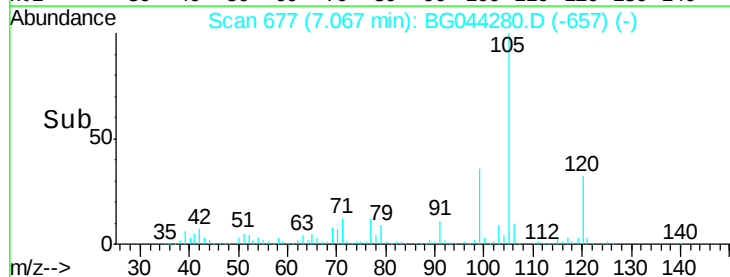
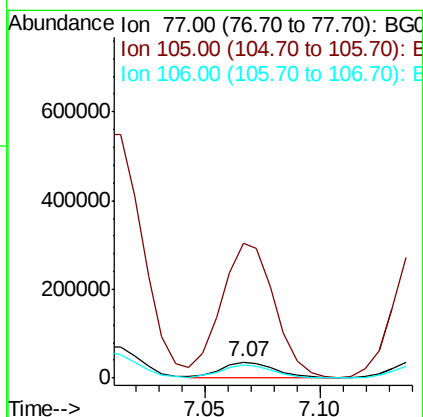
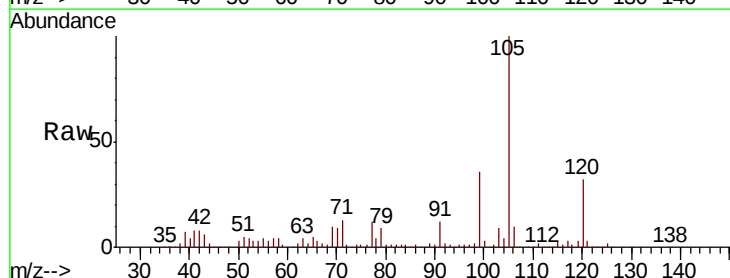
Tgt Ion: 77 Resp: 55204

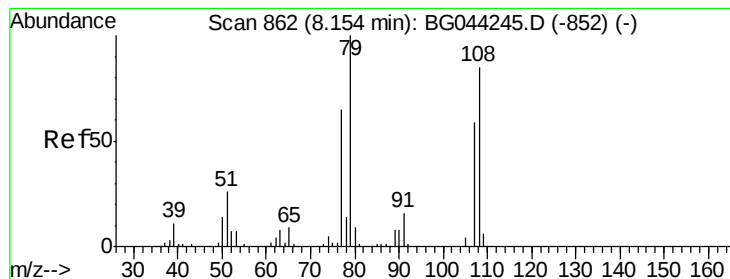
Ion Ratio Lower Upper

77 100

105 821.6 82.0 122.0#

106 82.2 80.7 120.7





#15

Benzyl Alcohol

Concen: 3.110 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.09 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

Instrument :

BNA_G

ClientSampled :

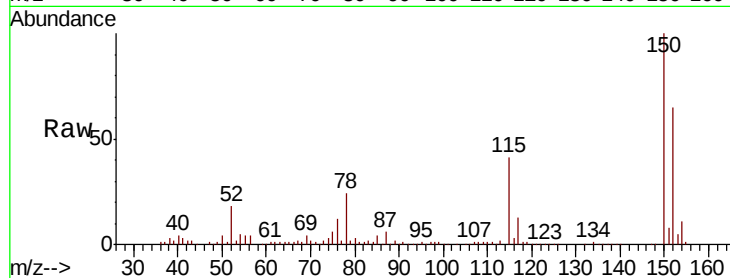
Tot Ion: 79 Resp: 12657

Ion Ratio Lower Upper

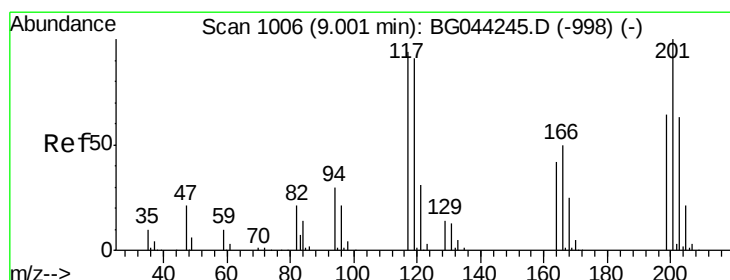
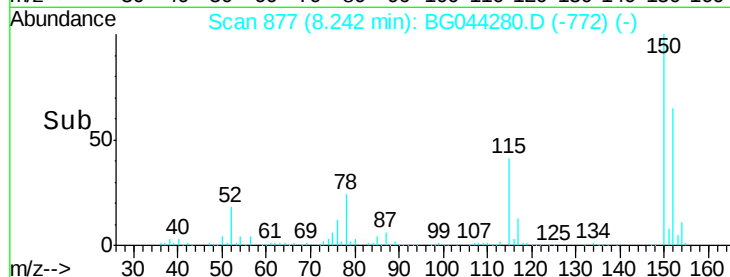
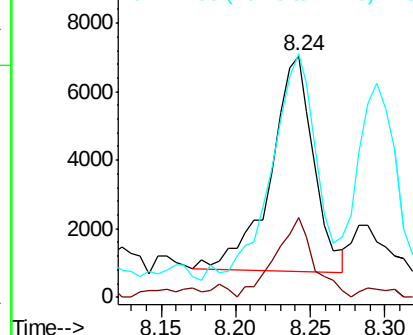
79 100

108 33.1 68.3 102.5#

77 101.0 51.8 77.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#18

Hexachloroethane

Concen: 106.076 ng

RT: 9.03 min Scan# 1012

Delta R.T. 0.03 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

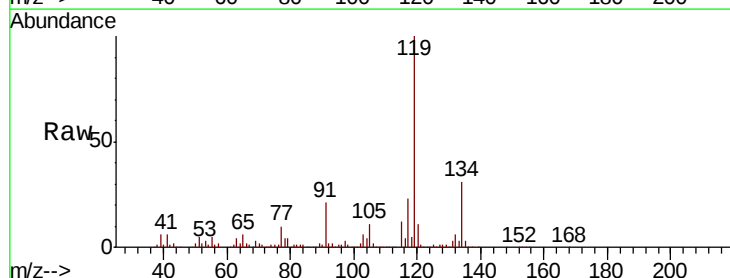
Tgt Ion: 117 Resp: 221460

Ion Ratio Lower Upper

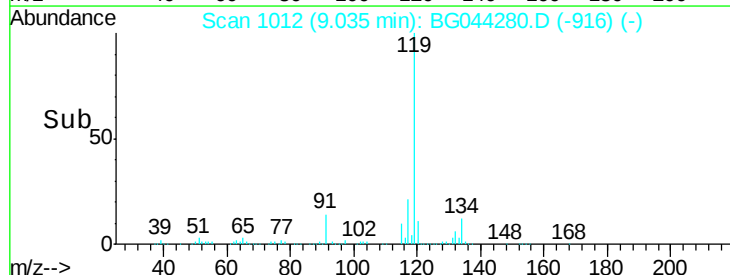
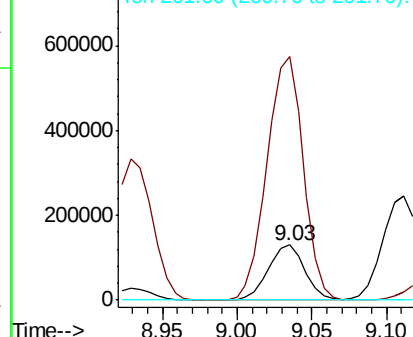
117 100

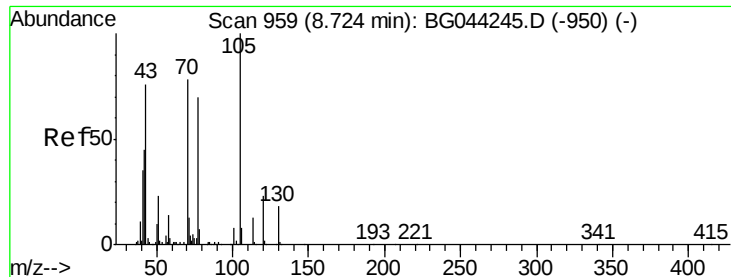
119 443.2 77.5 116.3#

201 0.0 84.9 127.3#



Abundance Ion 117.00 (116.70 to 117.70): BGC
Ion 119.00 (118.70 to 119.70): BGC
Ion 201.00 (200.70 to 201.70): BGC

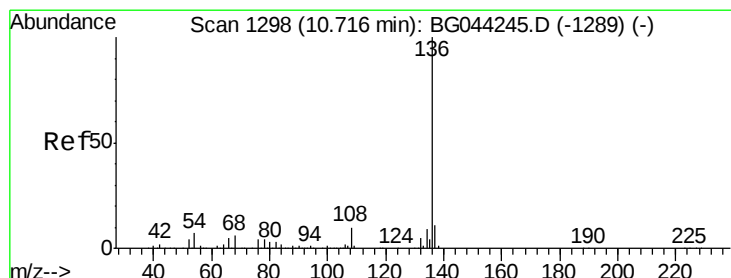
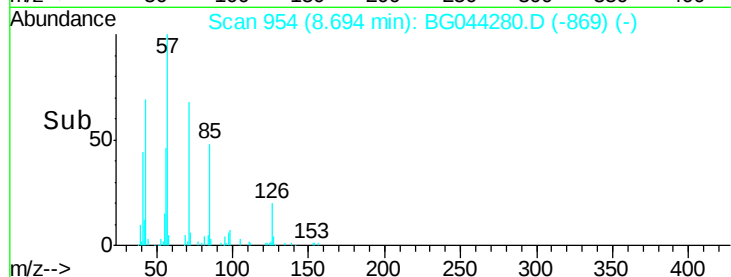
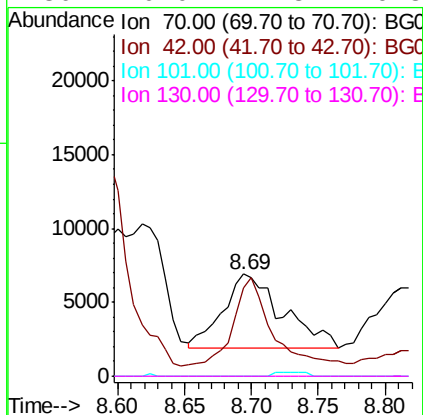
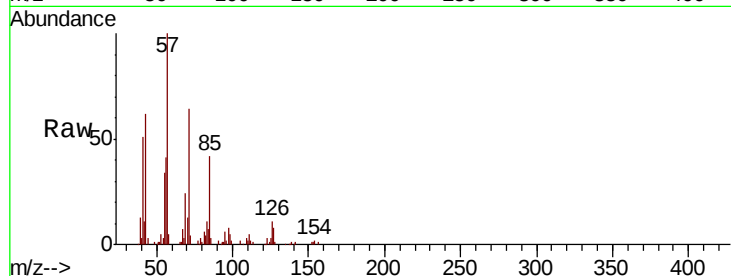




#19
n-Nitroso-di-n-propylamine
Concen: 4.059 ng
RT: 8.69 min Scan# 954
Delta R.T. -0.03 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

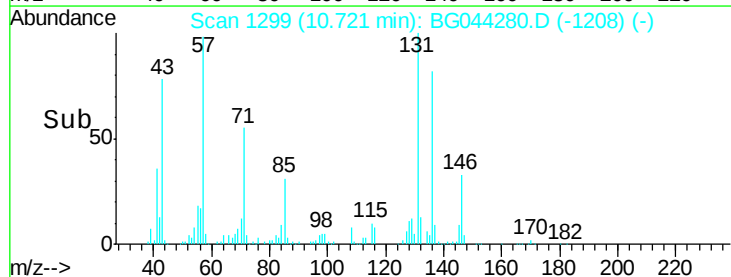
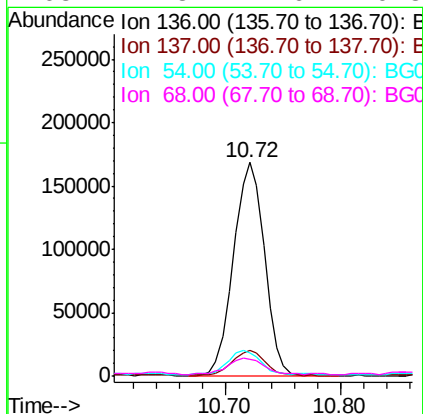
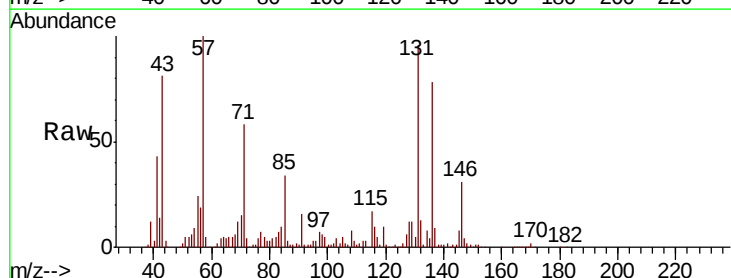
Instrument :
BNA_G
ClientSampleId :

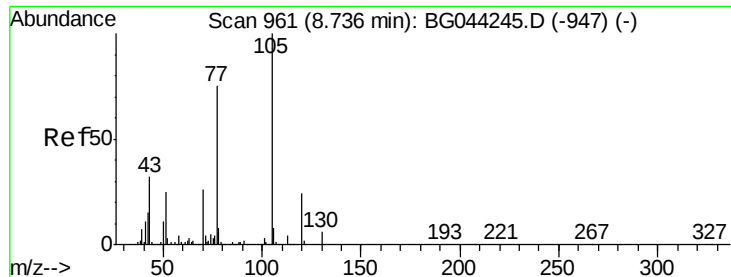
Tot Ion	Ratio	Lower	Upper
70	100		
42	86.2	46.2	69.2#
101	0.0	8.4	12.6#
130	0.0	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	11.0	5.8	8.8#
68	7.8	4.6	6.8#

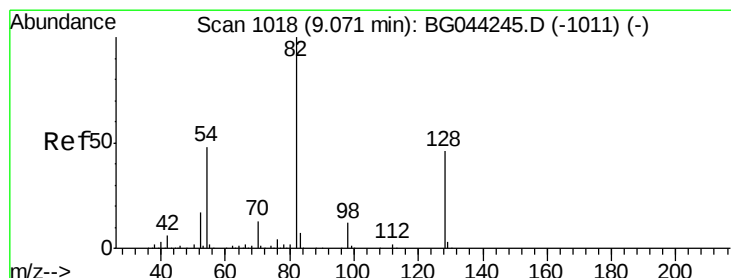
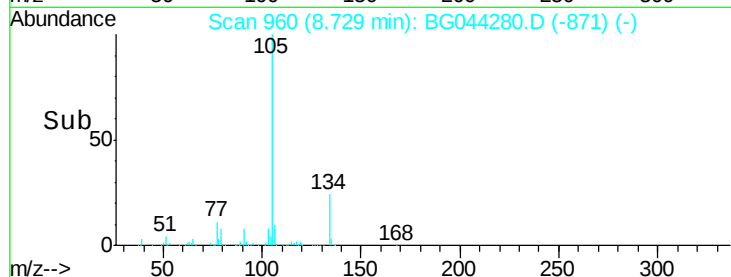
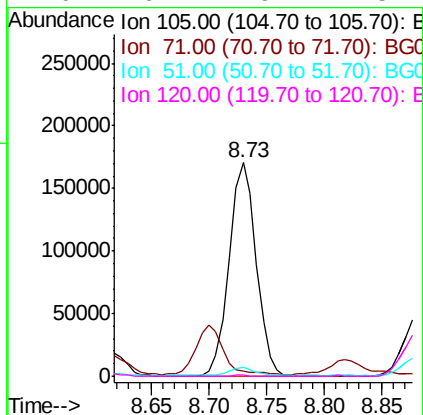
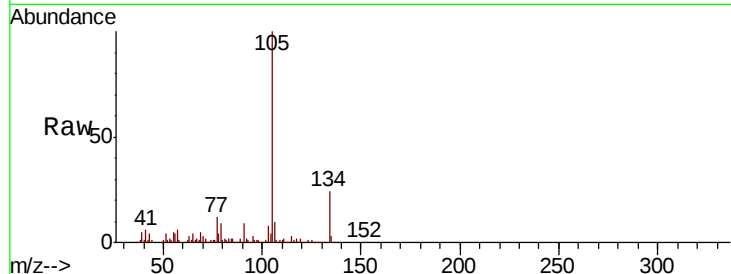




#22
Acetophenone
Concen: 36.457 ng
RT: 8.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

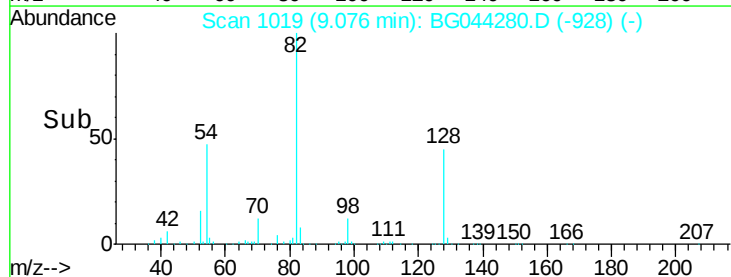
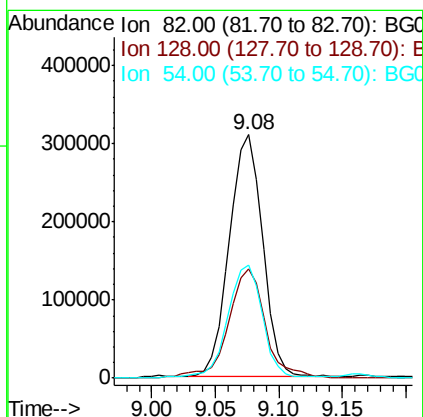
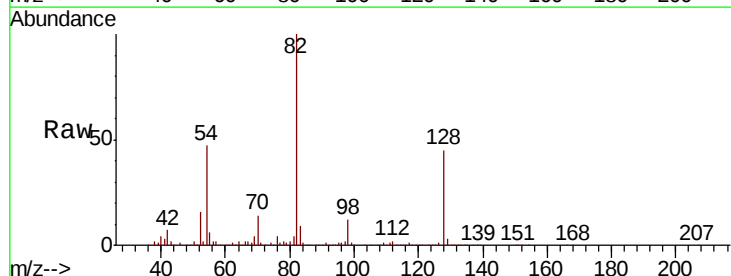
Instrument :
BNA_G
ClientSampled :

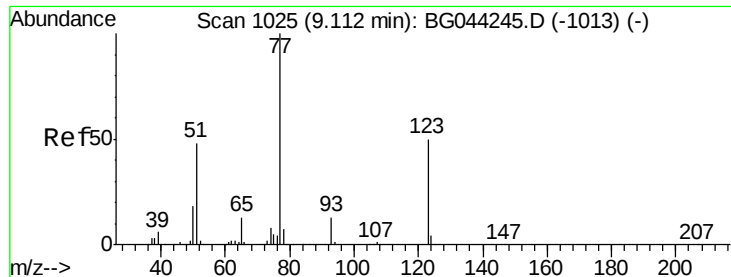
Tot Ion:105 Resp: 275835
Ion Ratio Lower Upper
105 100
71 2.3 3.4 5.0#
51 4.0 20.2 30.4#
120 0.4 19.1 28.7#



#23
Nitrobenzene-d5
Concen: 101.980 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

Tgt Ion: 82 Resp: 561800
Ion Ratio Lower Upper
82 100
128 45.0 36.5 54.7
54 46.7 38.6 58.0

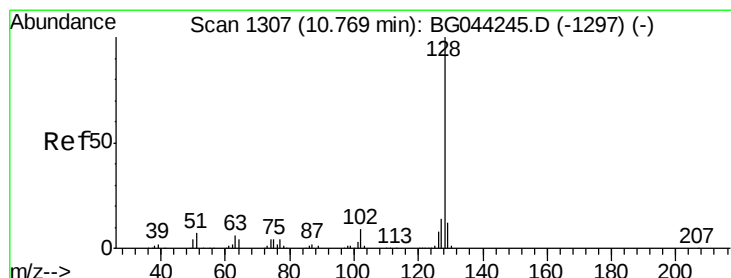
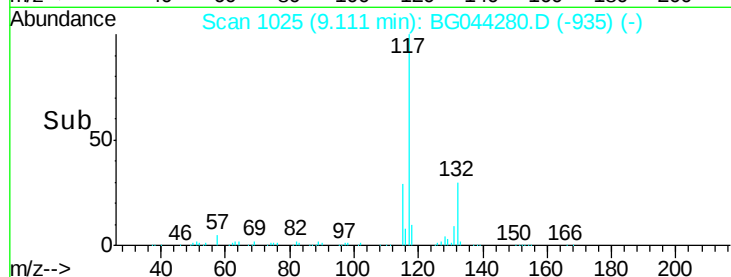
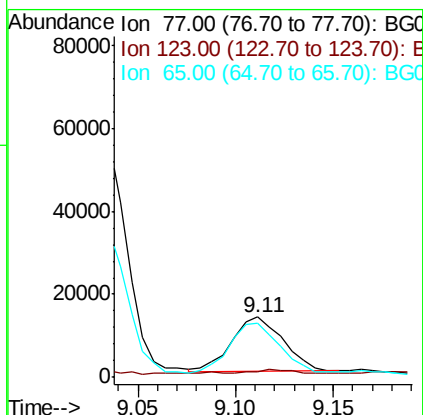
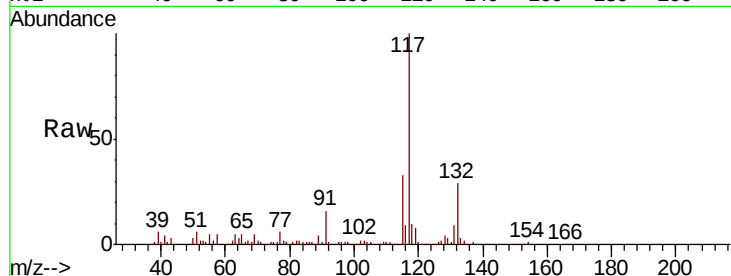




#24
Nitrobenzene
Concen: 4.419 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

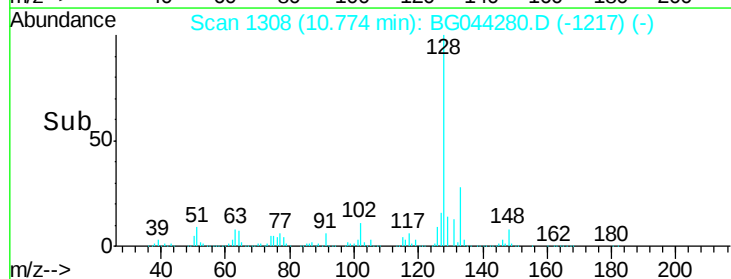
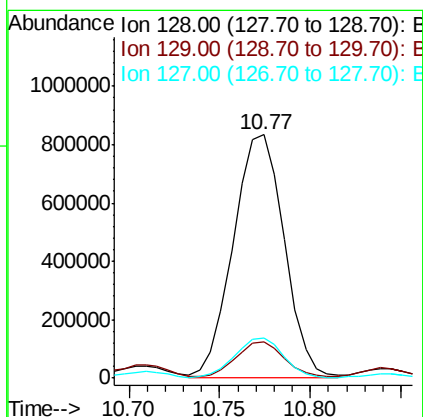
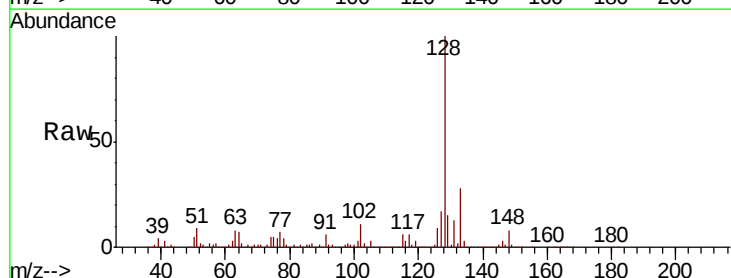
Instrument :
BNA_G
ClientSampleId :

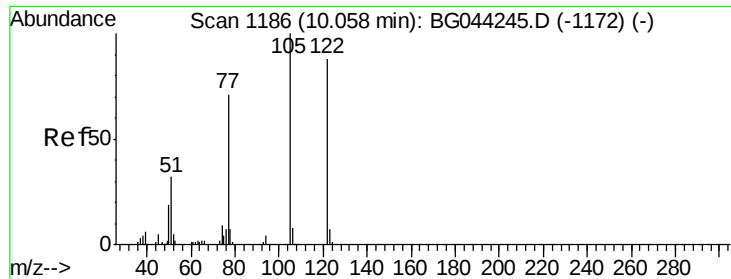
Tot Ion	Ratio	Lower	Upper
77	100		
123	8.3	39.9	59.9#
65	88.9	10.4	15.6#



#31
Naphthalene
Concen: 108.611 ng
RT: 10.77 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.3	13.9#
127	16.6	11.6	17.4

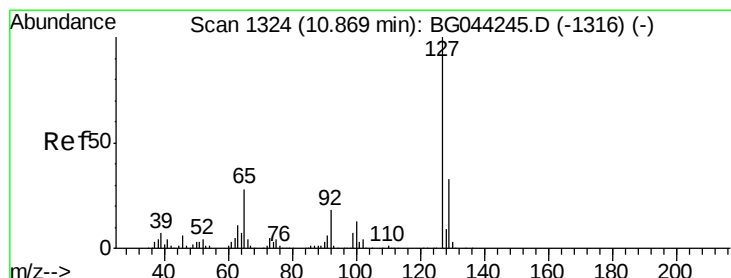
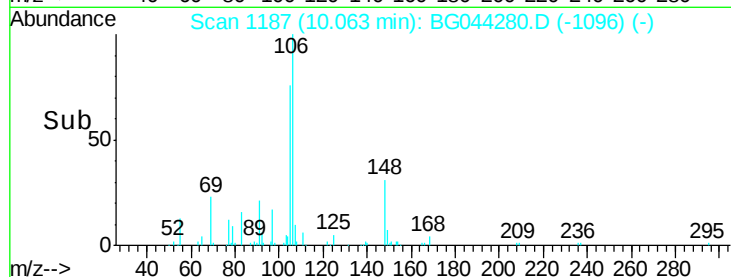
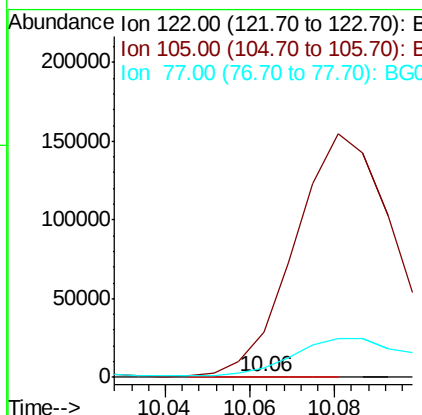
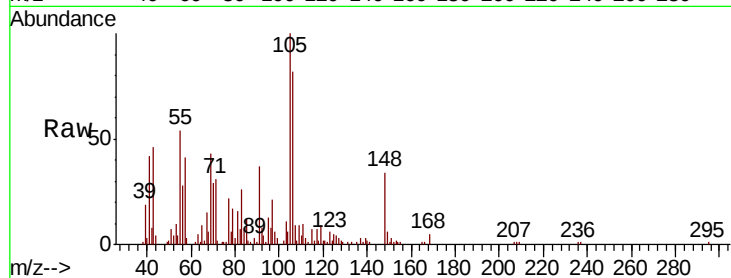




#32
Benzoic acid
Concen: 14.298 ng
RT: 10.06 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

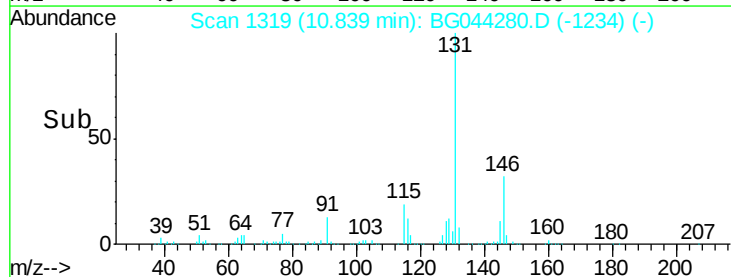
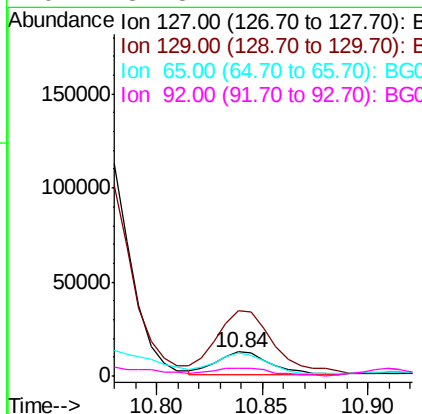
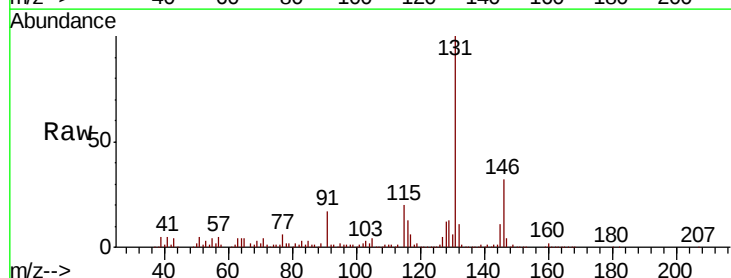
Instrument :
BNA_G
ClientSampleId :

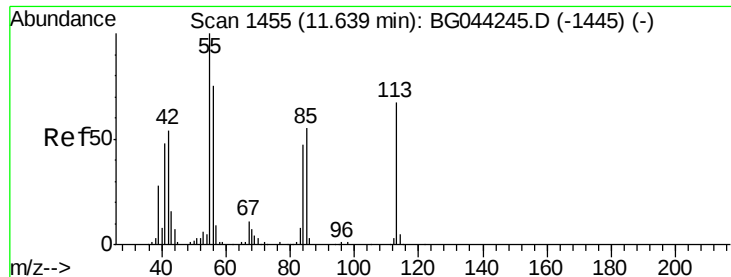
Tot Ion:122 Resp: 468
Ion Ratio Lower Upper
122 100
105 8103.7 93.5 133.5#
77 1790.1 61.0 101.0#



#33
4-Chloroaniline
Concen: 3.045 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.03 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

Tgt Ion:127 Resp: 20896
Ion Ratio Lower Upper
127 100
129 272.9 26.6 40.0#
65 95.5 22.5 33.7#
92 31.3 14.1 21.1#





#35

Caprolactam

Concen: 3.403 ng

RT: 11.66 min Scan# 1458

Delta R.T. 0.02 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

Instrument :

BNA_G

ClientSampled :

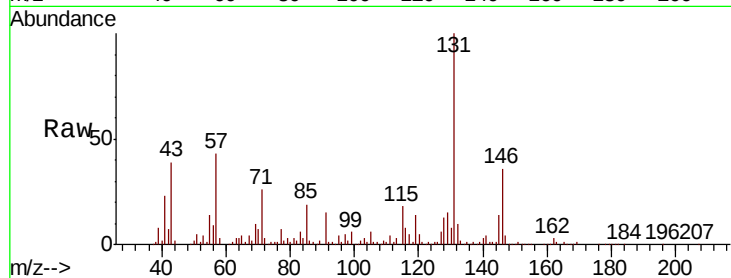
Tot Ion:113 Resp: 5938

Ion Ratio Lower Upper

113 100

55 540.0 129.9 169.9#

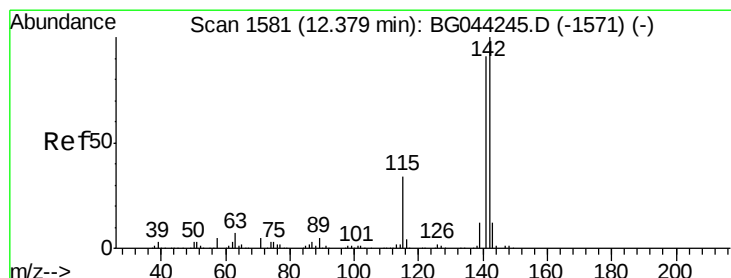
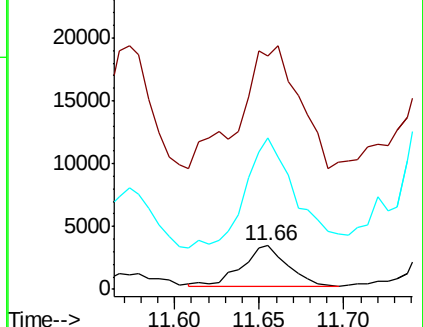
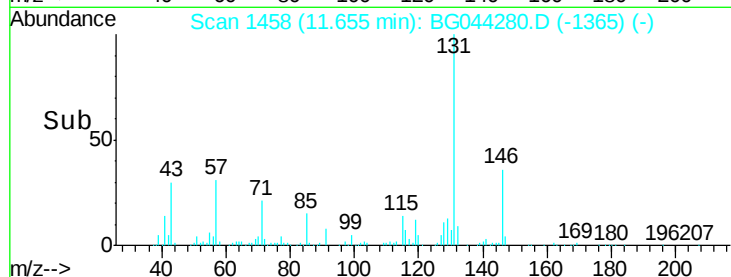
56 350.5 92.5 132.5#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#37

2-Methylnaphthalene

Concen: 113.845 ng

RT: 12.38 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

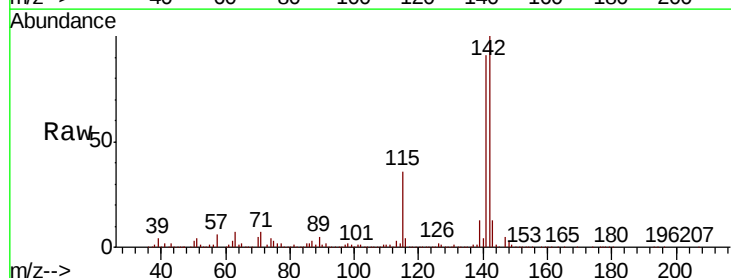
Tgt Ion:142 Resp: 1275458

Ion Ratio Lower Upper

142 100

141 91.5 73.2 109.8

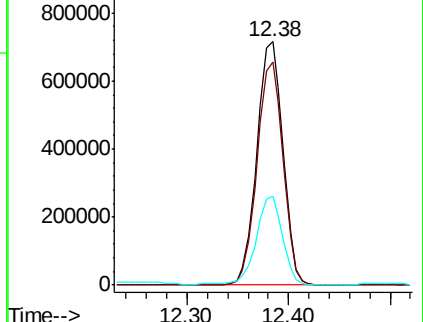
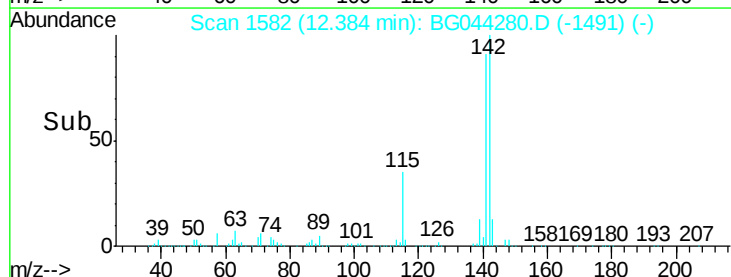
115 36.3 27.1 40.7

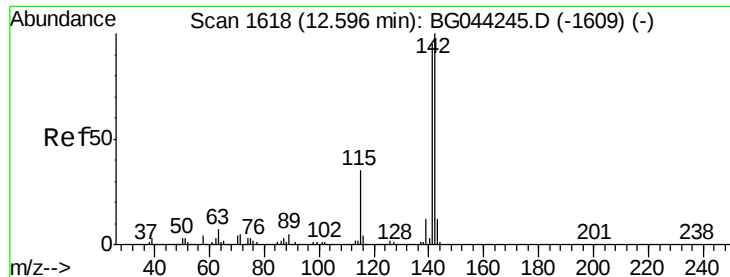


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

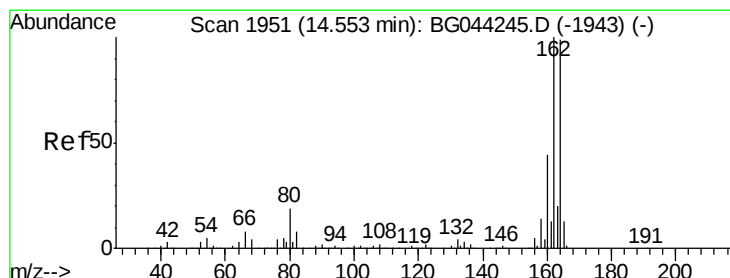
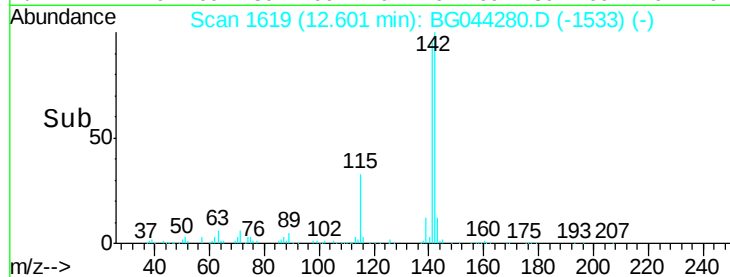
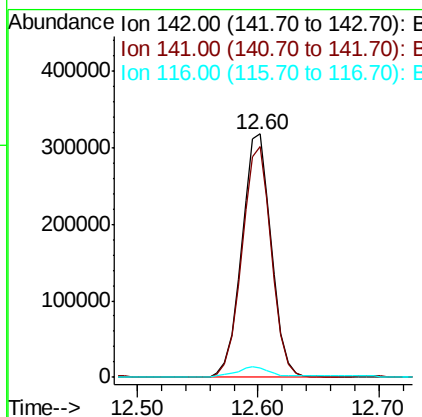
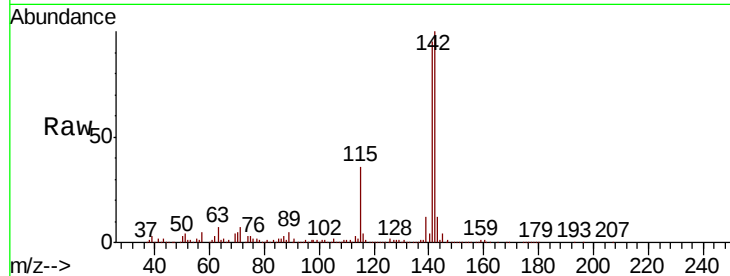




#38
1-Methylnaphthalene
Concen: 50.857 ng
RT: 12.60 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

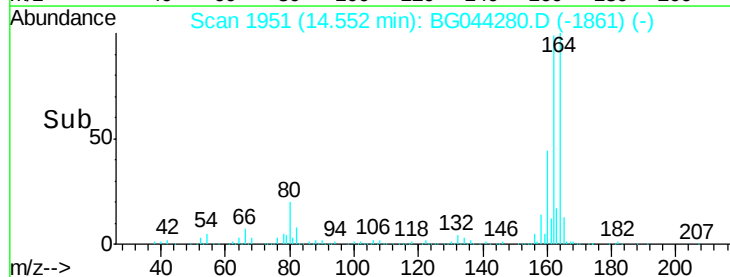
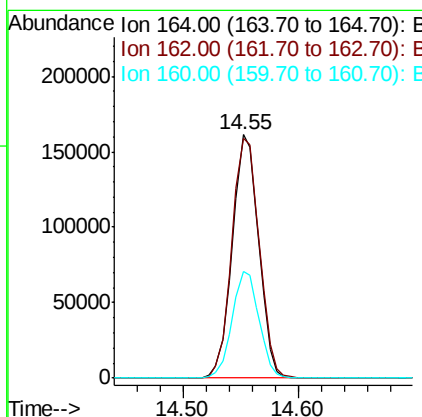
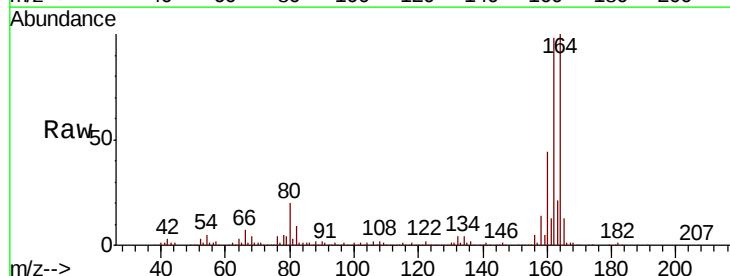
Instrument :
BNA_G
ClientSampleId :

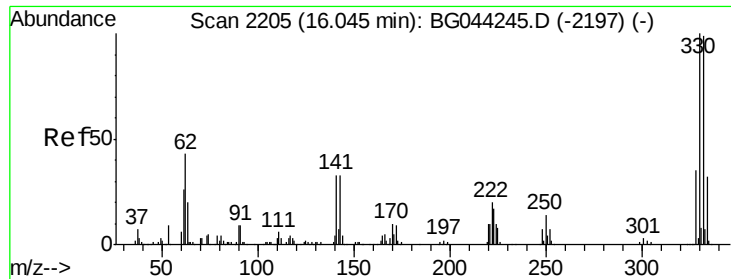
Tot Ion:142 Resp: 537174
Ion Ratio Lower Upper
142 100
141 95.0 75.8 113.6
116 4.1 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG044280.D
Acq: 3 Feb 2020 20:00

Tgt Ion:164 Resp: 255327
Ion Ratio Lower Upper
164 100
162 98.5 80.7 121.1
160 44.0 35.3 52.9

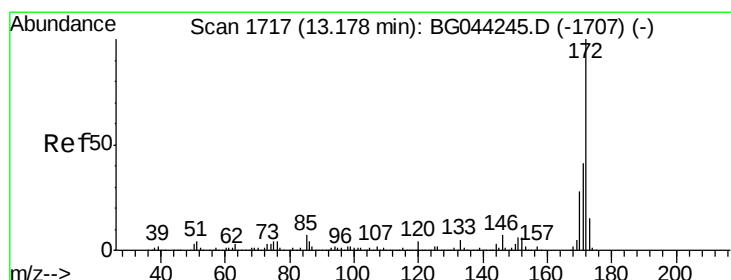
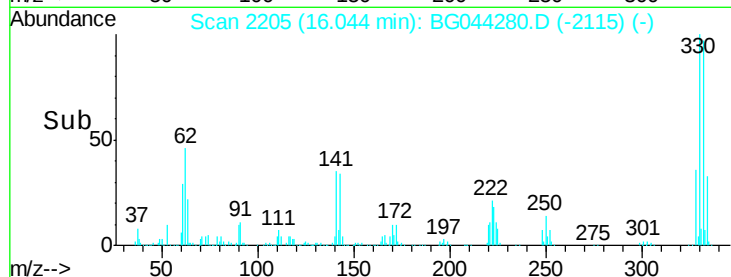
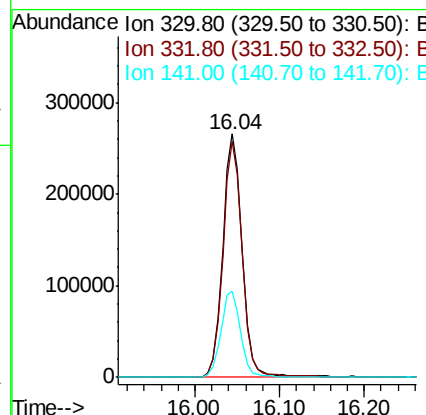
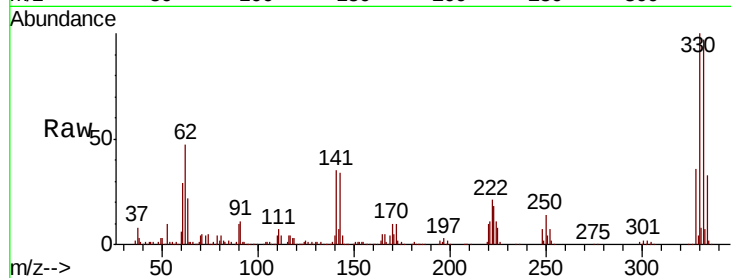




#42
 2,4,6-Tribromophenol
 Concen: 141.998 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BG044280.D
 Acq: 3 Feb 2020 20:00

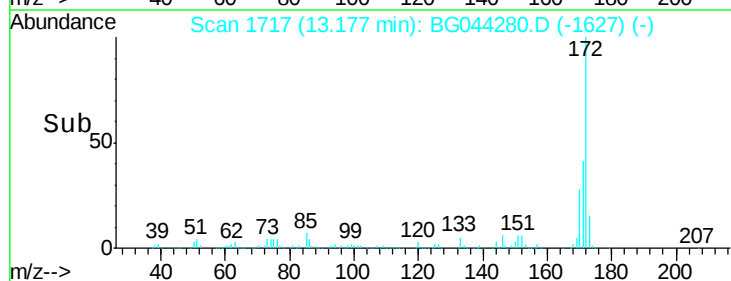
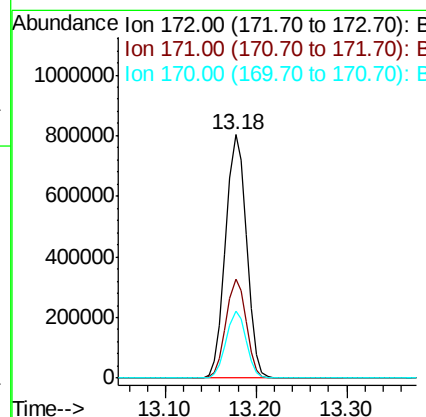
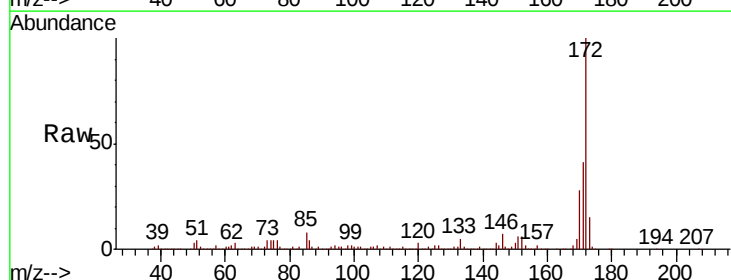
Instrument :
 BNA_G
 ClientSampleId :

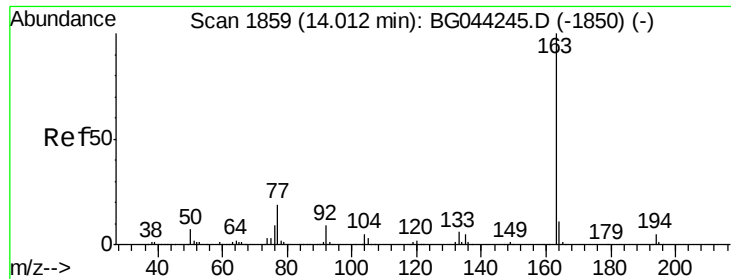
Tot Ion:330 Resp: 425625
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.2 115.8
 141 35.6 28.3 42.5



#45
 2-Fluorobiphenyl
 Concen: 84.421 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BG044280.D
 Acq: 3 Feb 2020 20:00

Tgt Ion:172 Resp: 1287205
 Ion Ratio Lower Upper
 172 100
 171 40.9 32.9 49.3
 170 27.6 22.0 33.0





#50

Dimethylphthalate

Concen: 2.988 ng

RT: 14.01 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

Instrument :

BNA_G

ClientSampled :

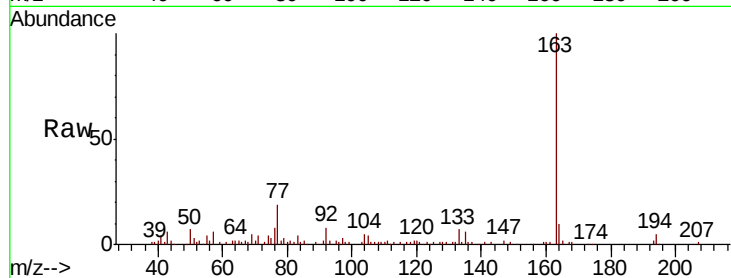
Tot Ion:163 Resp: 54844

Ion Ratio Lower Upper

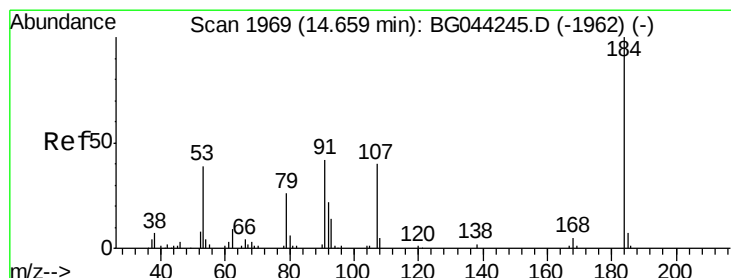
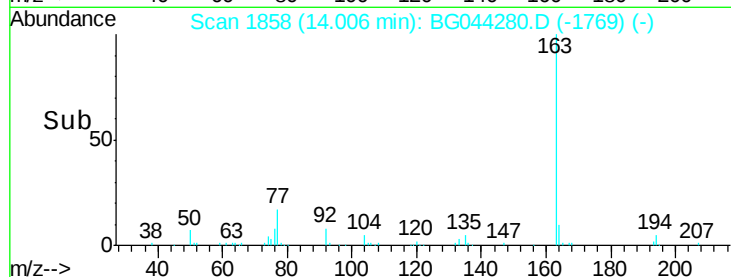
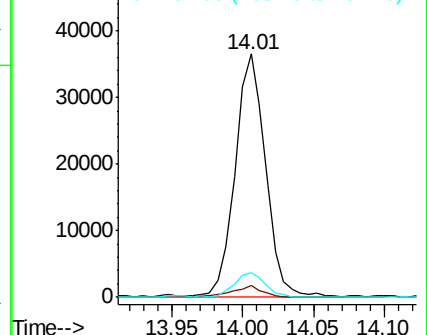
163 100

194 4.7 3.6 5.4

164 10.3 8.7 13.1



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



#54

2,4-Dinitrophenol

Concen: 7.676 ng

RT: 15.11 min Scan# 2046

Delta R.T. 0.45 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

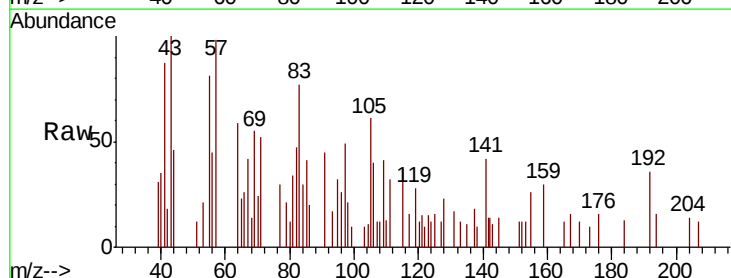
Tgt Ion:184 Resp: 137

Ion Ratio Lower Upper

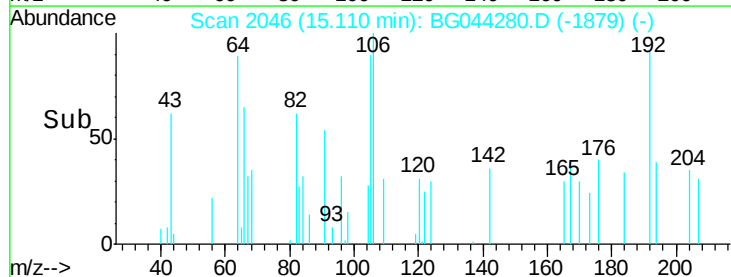
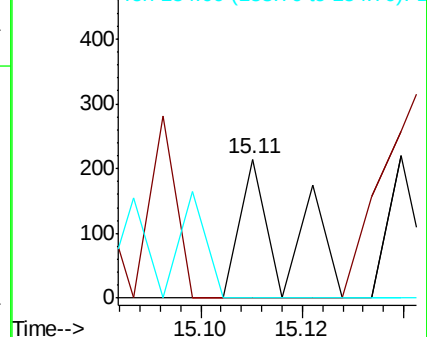
184 100

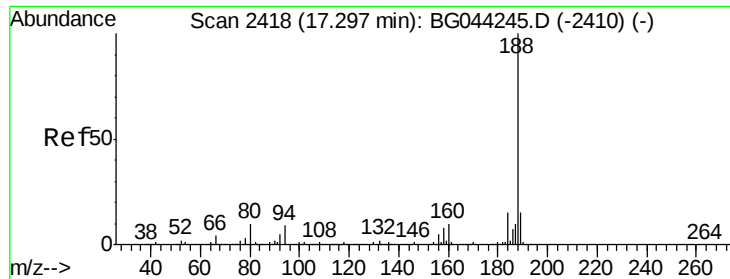
63 0.0 44.1 66.1#

154 0.0 45.4 68.0#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

Instrument :

BNA_G

ClientSampleId :

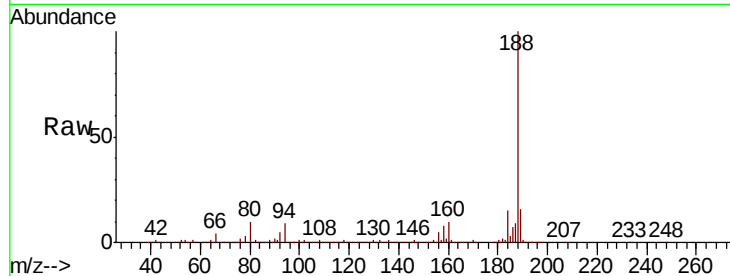
Tot Ion:188 Resp: 564456

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

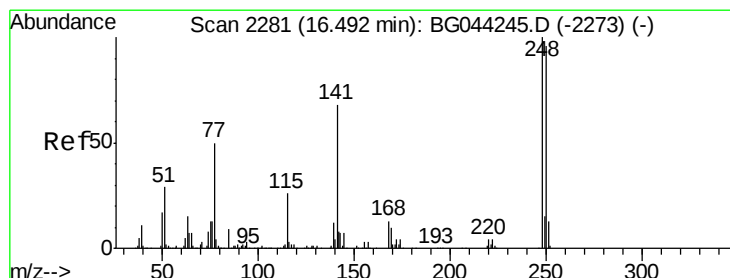
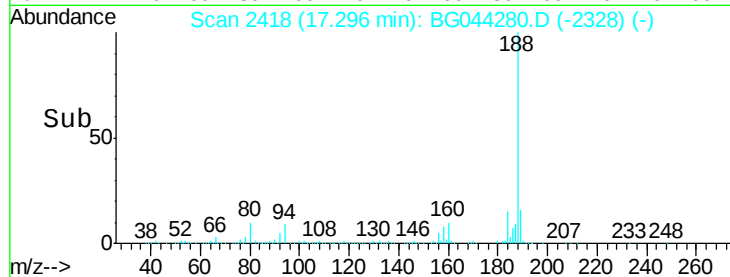
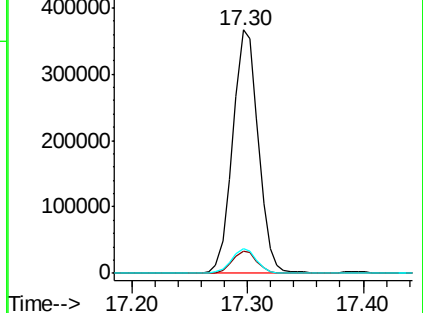
80 10.1 7.7 11.5



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: 4.866 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.45 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

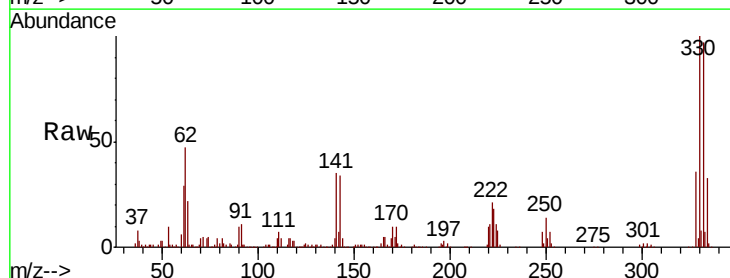
Tgt Ion:248 Resp: 29925

Ion Ratio Lower Upper

248 100

250 192.2 76.6 114.8#

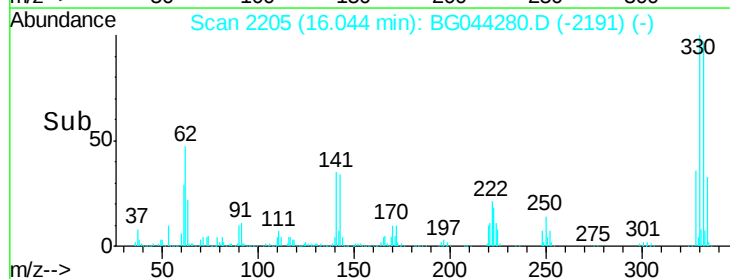
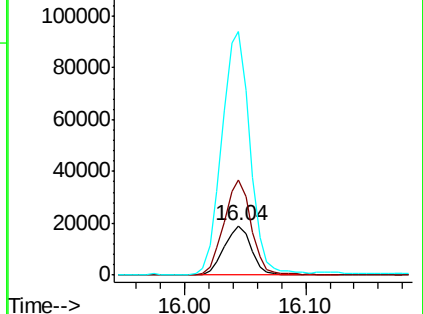
141 495.0 54.7 82.1#

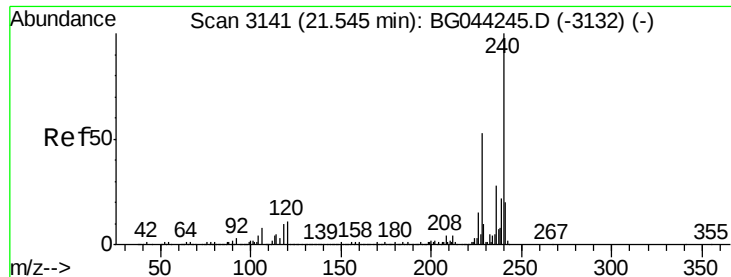


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

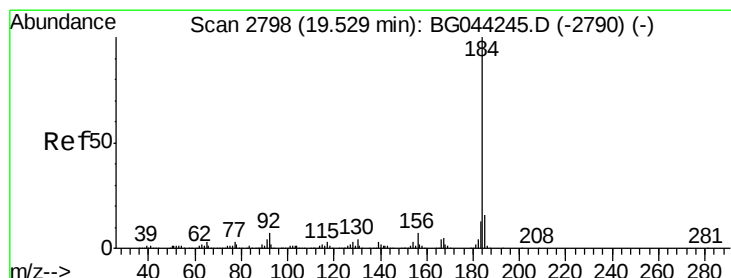
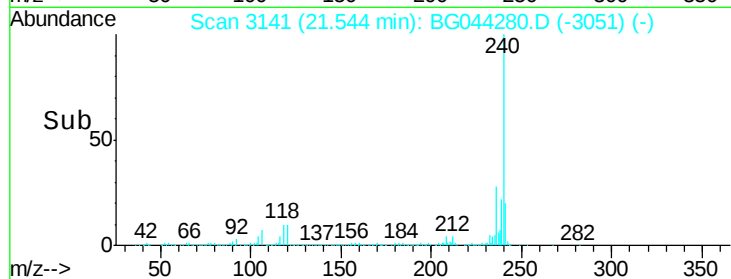
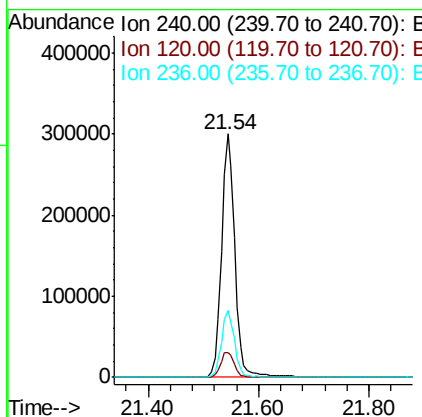
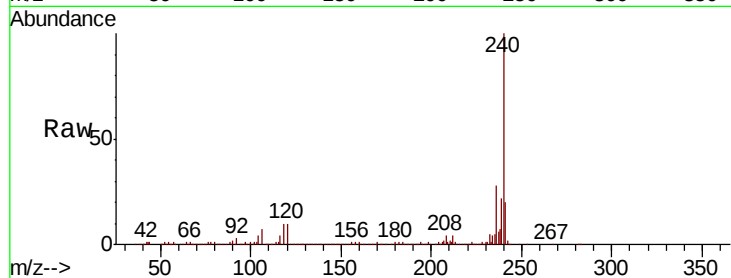




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG044280.D
 Acq: 3 Feb 2020 20:00

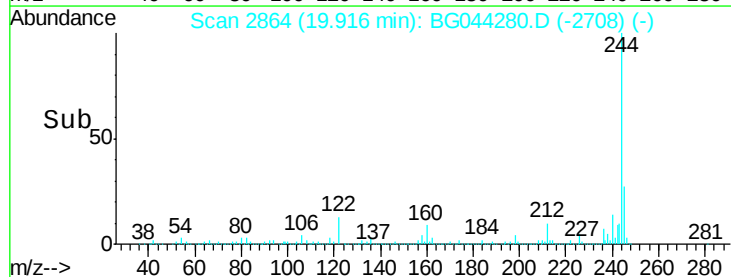
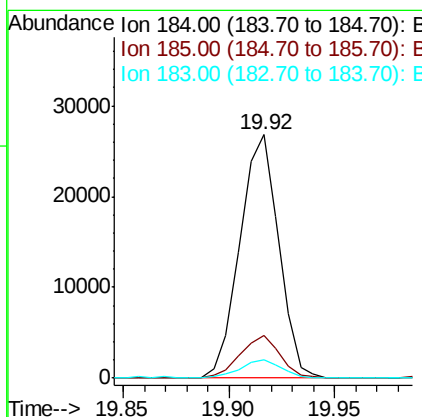
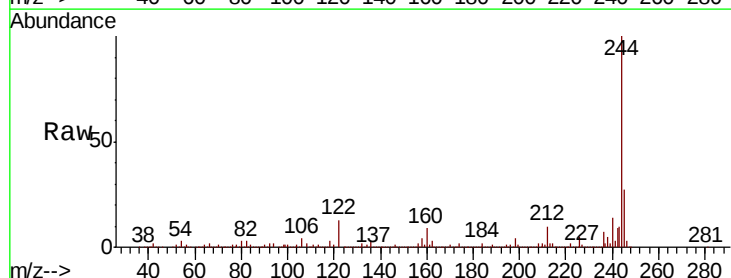
Instrument :
 BNA_G
 ClientSampleId :

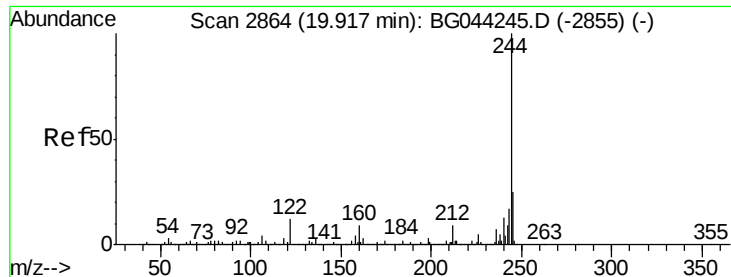
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.4	12.6
236	27.6	22.1	33.1



#77
 Benzidine
 Concen: 2.412 ng
 RT: 19.92 min Scan# 2864
 Delta R.T. 0.39 min
 Lab File: BG044280.D
 Acq: 3 Feb 2020 20:00

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.5	12.9	19.3
183	7.3	10.8	16.2#





#79

Terphenyl-d14

Concen: 81.009 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

Instrument :

BNA_G

ClientSampleId :

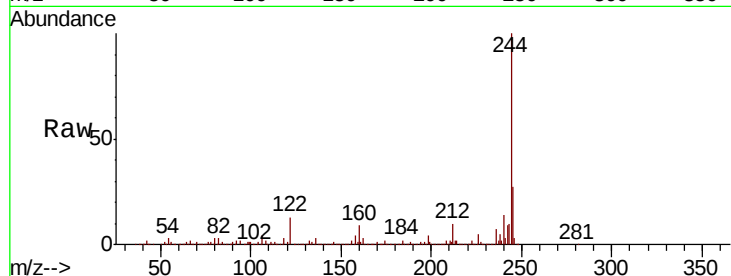
Tot Ion:244 Resp: 2010193

Ion Ratio Lower Upper

244 100

212 9.7 7.4 11.2

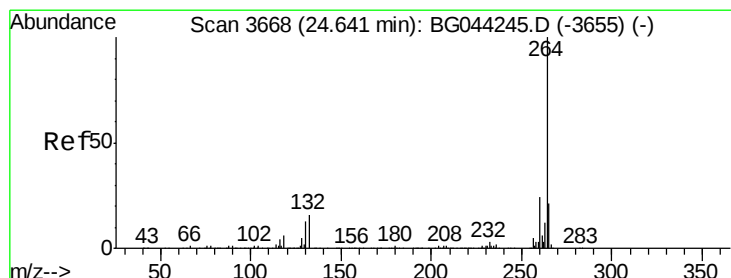
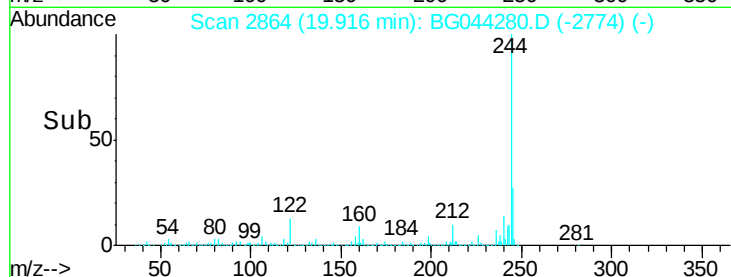
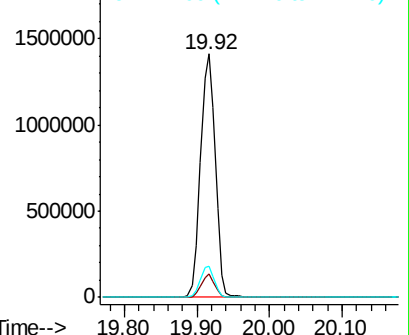
122 12.7 9.8 14.6



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: 24.65 min Scan# 3669

Delta R.T. 0.01 min

Lab File: BG044280.D

Acq: 3 Feb 2020 20:00

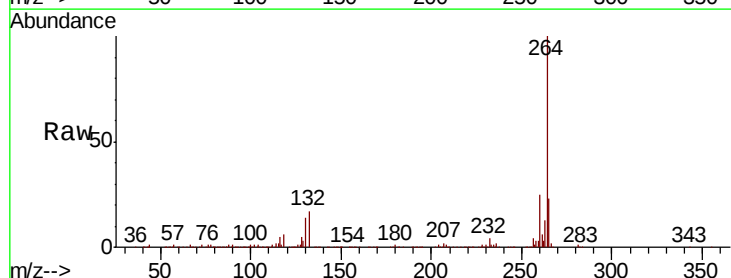
Tgt Ion:264 Resp: 555010

Ion Ratio Lower Upper

264 100

260 25.1 19.4 29.2

265 22.9 16.7 25.1



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

