

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044842.D
 Acq On : 17 Mar 2020 21:10
 Operator : CG/JU
 Sample : L1893-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 11:46:09 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	85183	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	355410	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	255703	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	577215	20.00	ng	0.00
76) Chrysene-d12	21.69	240	479547	20.00	ng	0.00
87) Perylene-d12	24.90	264	535204	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	525679	96.07	ng	0.00
7) Phenol-d6	7.20	99	775824	97.58	ng	0.00
23) Nitrobenzene-d5	9.20	82	505024	62.35	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	361146	107.87	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1110036	62.17	ng	0.00
79) Terphenyl-d14	20.04	244	1662891	64.86	ng	0.00

Target Compounds

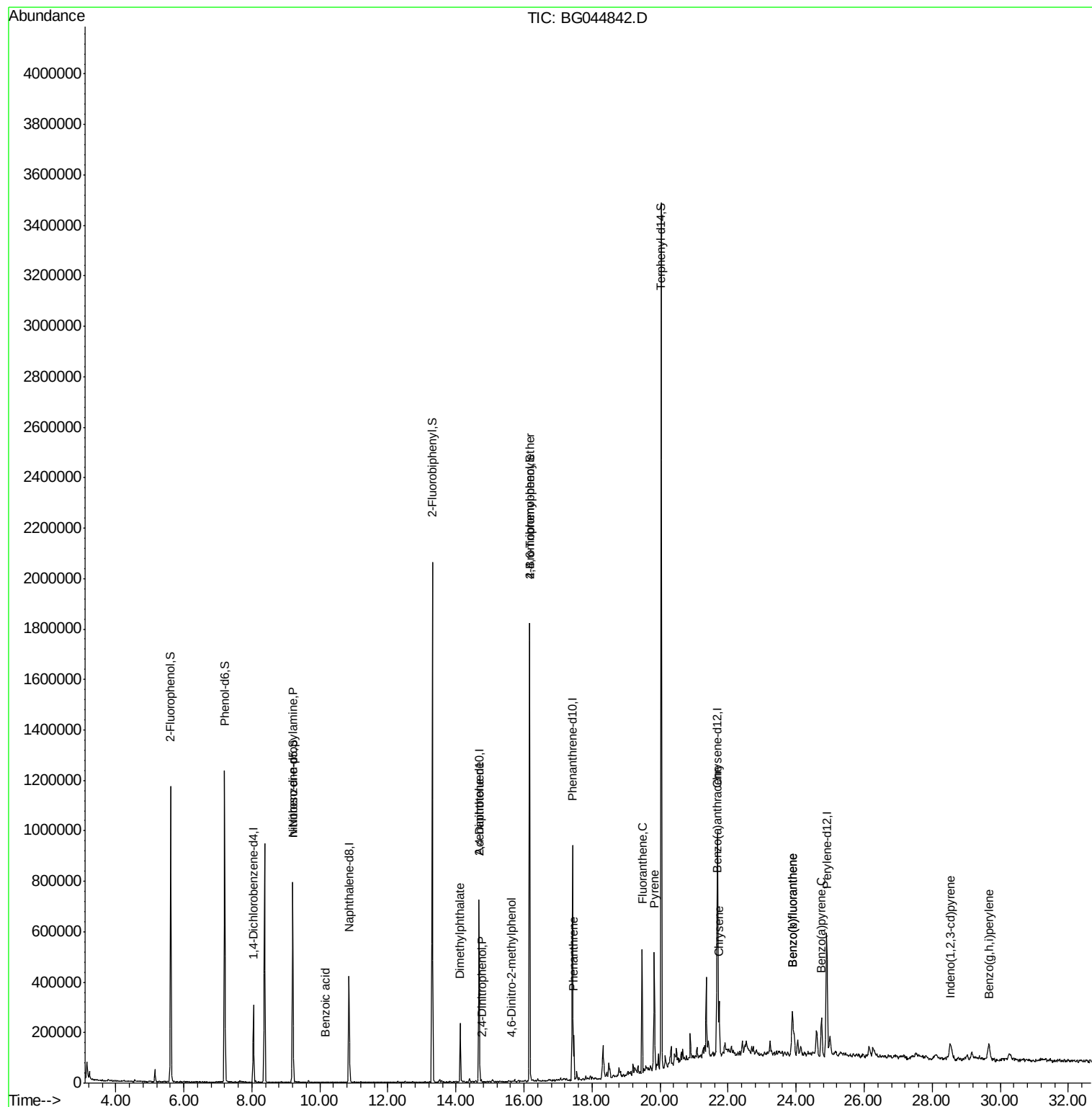
						Qvalue
9) Benzaldehyde	7.16	77	93	Below Cal	#	53
19) n-Nitroso-di-n-propylamine	9.20	70	67063	11.946 ng	#	73
32) Benzoic acid	10.18	122	53	9.680 ng	#	36
50) Dimethylphthalate	14.13	163	147035	7.220 ng		97
54) 2,4-Dinitrophenol	14.78	184	57	8.347 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	34506	6.129 ng	#	24
65) 4,6-Dinitro-2-methylphenol	15.63	198	70	7.750 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	25135	3.483 ng	#	1
71) Phenanthrene	17.47	178	111387	3.611 ng	#	90
75) Fluoranthene	19.47	202	306683	8.350 ng		98
78) Pyrene	19.83	202	306205	8.703 ng		97
81) Benzo(a)anthracene	21.67	228	173611	5.028 ng		98
83) Chrysene	21.73	228	152153	4.613 ng		94
86) Indeno(1,2,3-cd)pyrene	28.53	276	119710	2.768 ng		96
88) Benzo(b)fluoranthene	23.89	252	218790	6.192 ng		99
89) Benzo(k)fluoranthene	23.89	252	218790	6.543 ng		98
90) Benzo(a)pyrene	24.74	252	166684	5.042 ng		93
92) Benzo(g,h,i)perylene	29.67	276	118939	3.609 ng		98

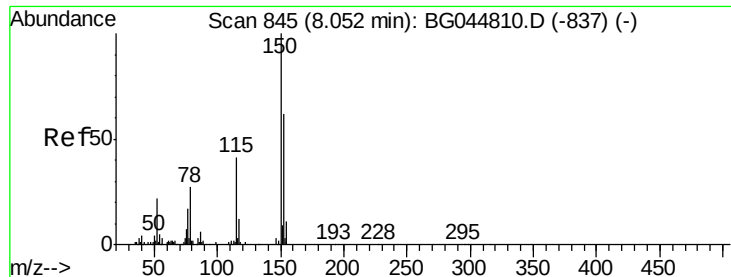
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
Data File : BG044842.D
Acq On : 17 Mar 2020 21:10
Operator : CG/JU
Sample : L1893-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 18 11:46:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 17:37:15 2020
Response via : Initial Calibration



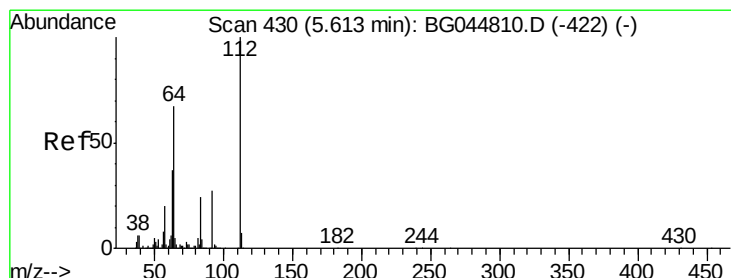
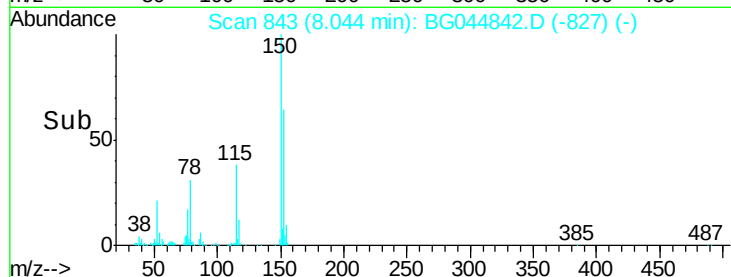
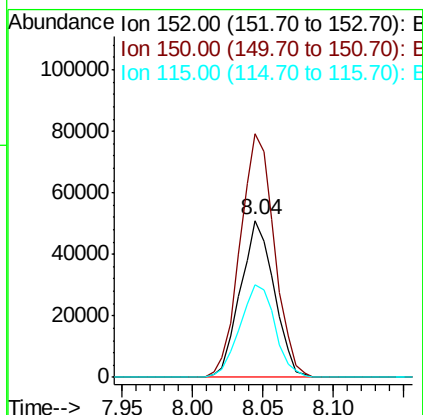
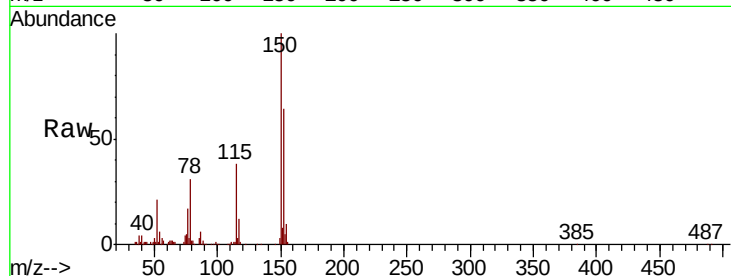


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :

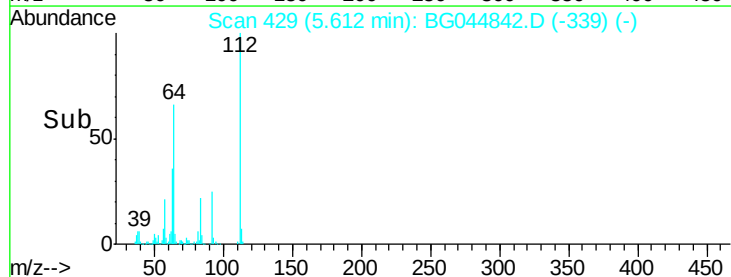
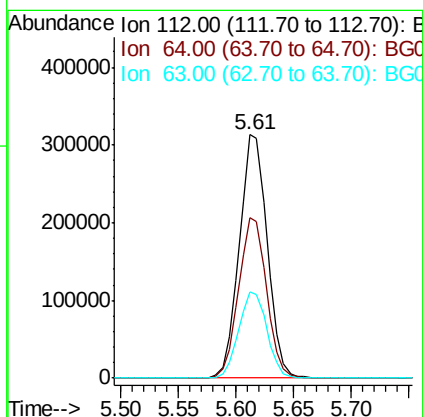
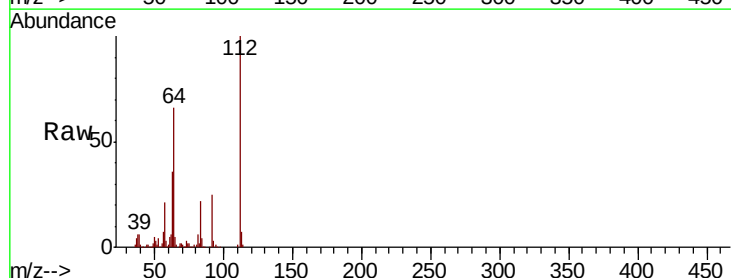
Tot Ion:152 Resp: 85183
Ion Ratio Lower Upper
152 100
150 155.5 128.8 193.2
115 59.0 52.6 79.0

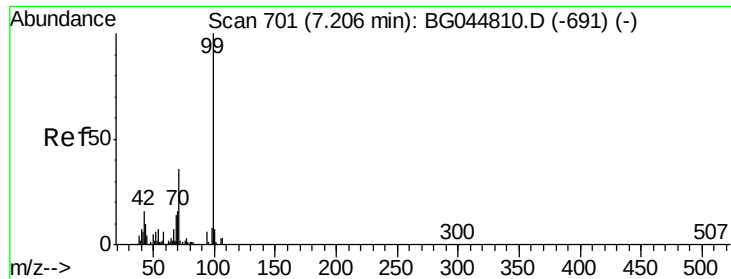


#5

2-Fluorophenol
Concen: 96.066 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion:112 Resp: 525679
Ion Ratio Lower Upper
112 100
64 65.8 53.4 80.2
63 35.6 29.4 44.2





#7

Phenol-d6

Concen: 97.582 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

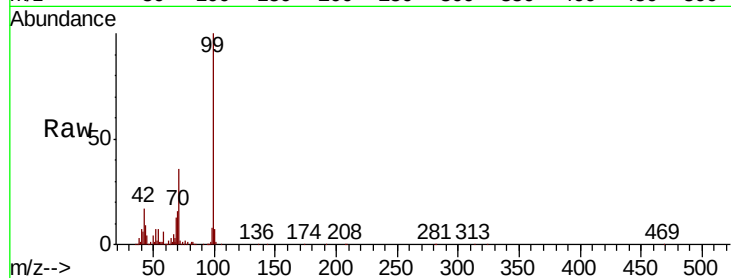
Tot Ion: 99 Resp: 775824

Ion Ratio Lower Upper

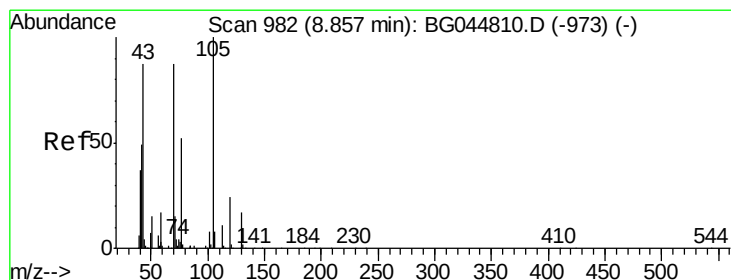
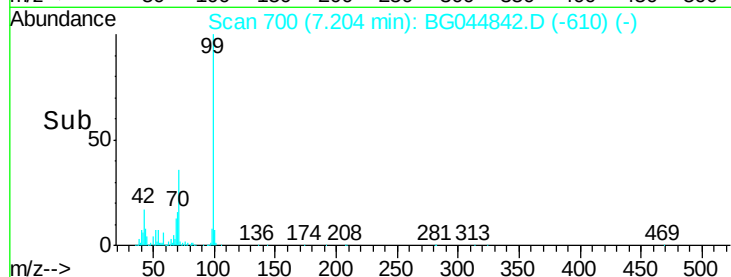
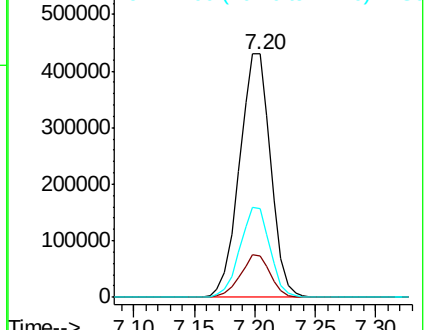
99 100

42 17.2 12.6 19.0

71 36.3 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 11.946 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.35 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Tgt Ion: 70 Resp: 67063

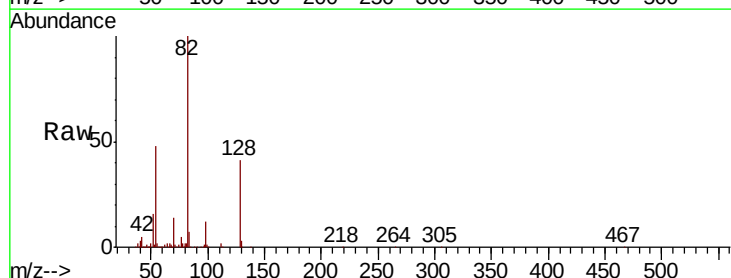
Ion Ratio Lower Upper

70 100

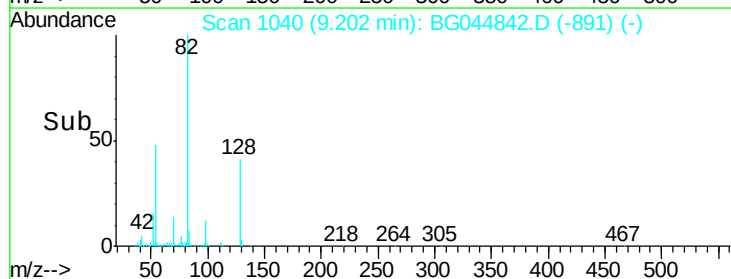
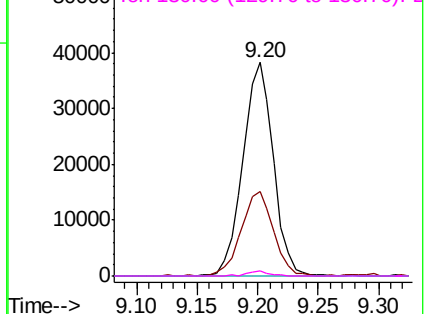
42 39.8 45.7 68.5#

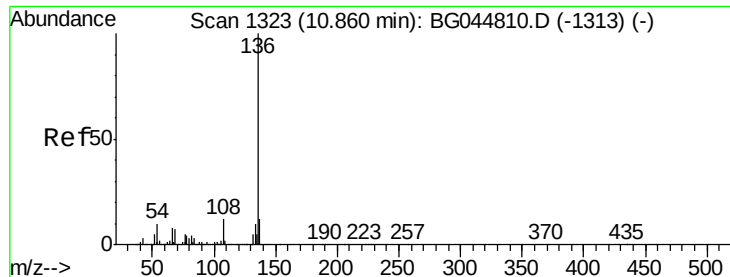
101 0.0 7.4 11.2#

130 2.6 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

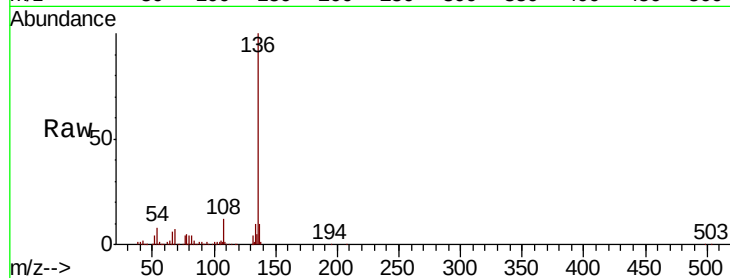




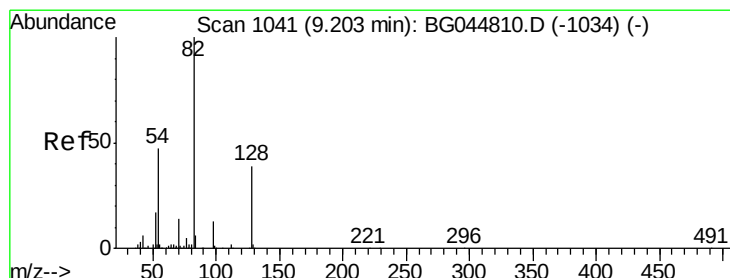
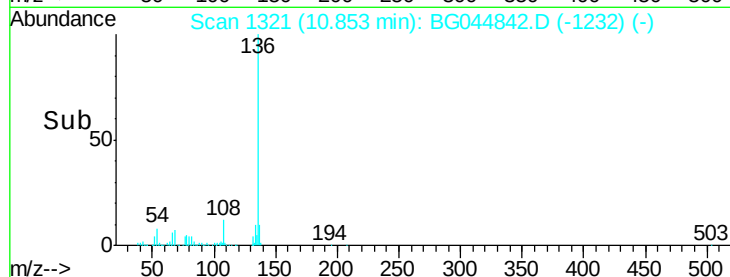
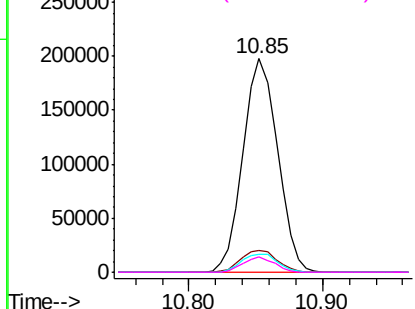
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	355410
Ion Ratio	Lower	Upper
136 100		
137 10.2	9.8	14.6
54 8.4	7.9	11.9
68 7.2	5.4	8.0

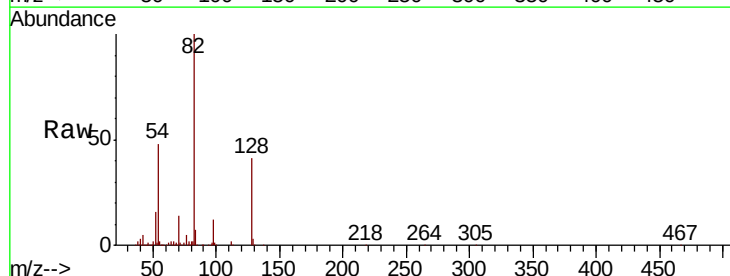


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

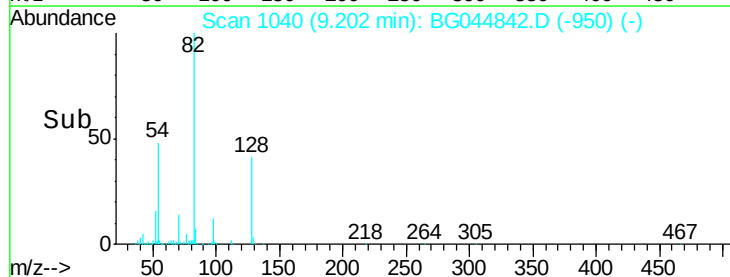
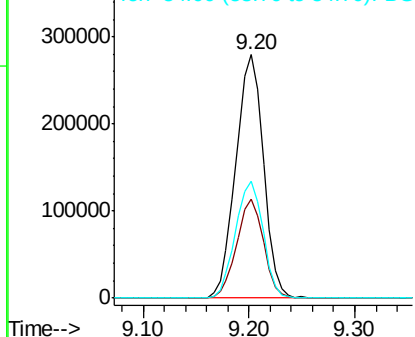


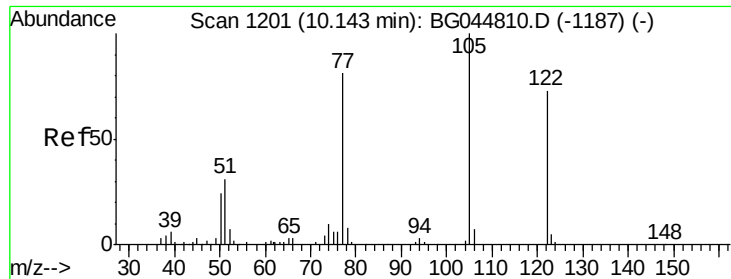
#23
Nitrobenzene-d5
Concen: 62.354 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion: 82	Resp: 505024
Ion Ratio	Lower Upper
82 100	
128 40.7	30.6 46.0
54 48.0	37.1 55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

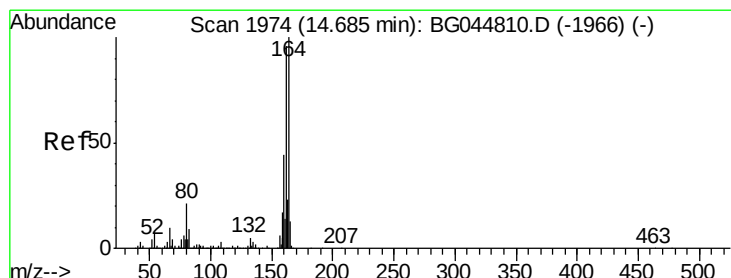
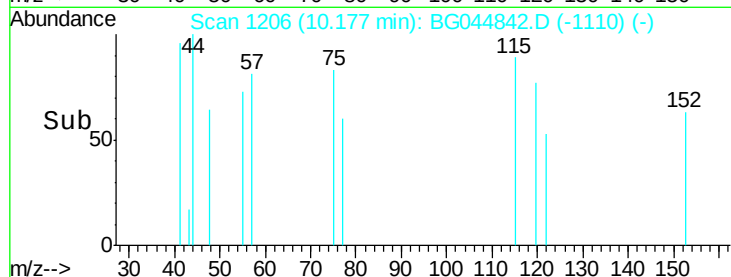
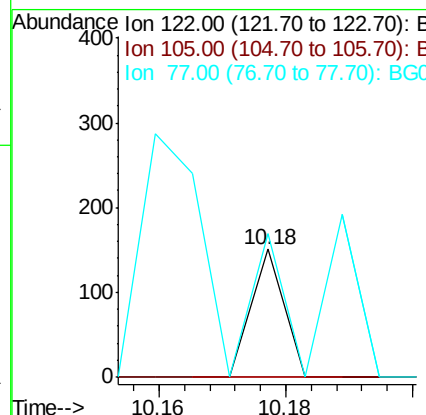
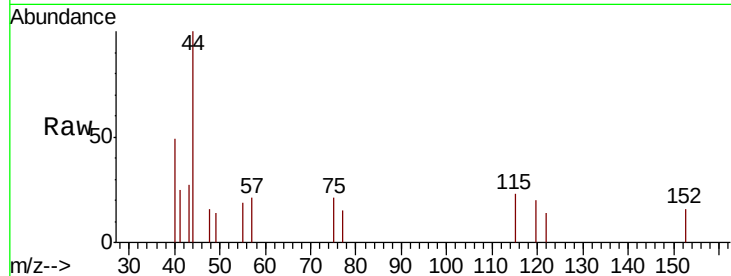




#32
Benzoic acid
Concen: 9.680 ng
RT: 10.18 min Scan# 1206
Delta R.T. 0.03 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

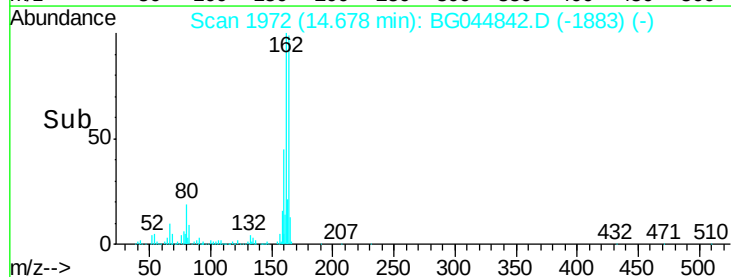
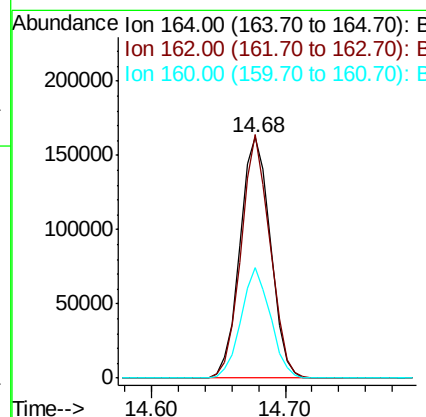
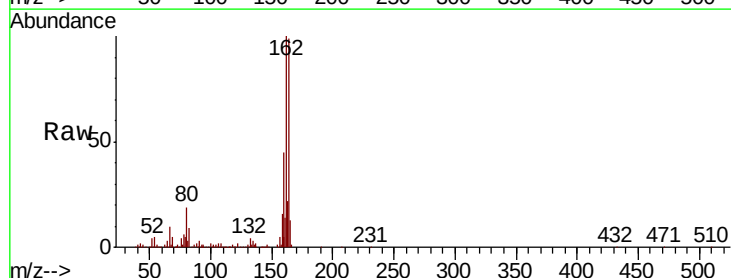
Instrument :
BNA_G
ClientSampleId :

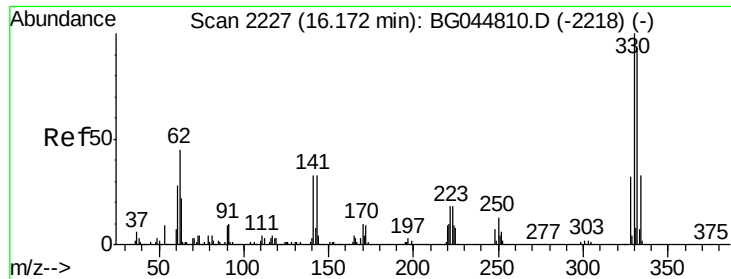
Tot Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 109.1 149.1#
77 112.6 85.3 125.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion:164 Resp: 255703
Ion Ratio Lower Upper
164 100
162 101.3 76.7 115.1
160 45.8 35.0 52.4





#42

2,4,6-Tribromophenol

Concen: 107.868 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

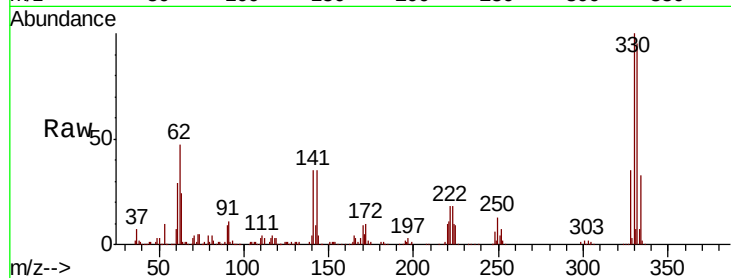
Tot Ion:330 Resp: 361146

Ion Ratio Lower Upper

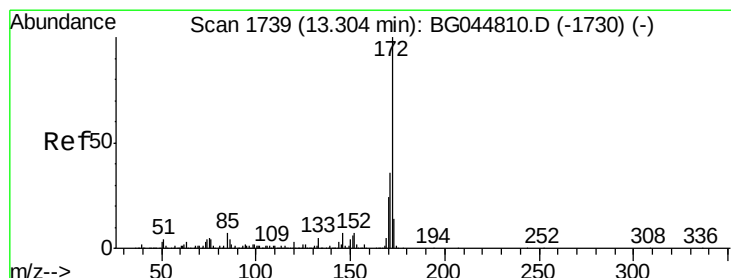
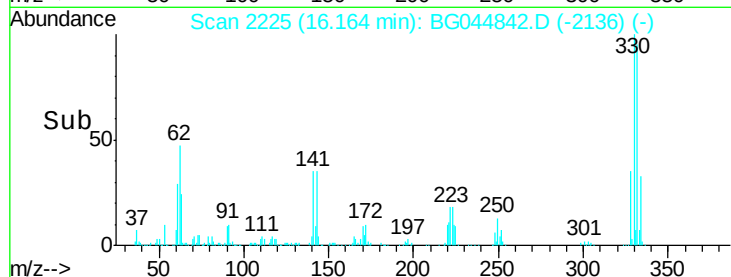
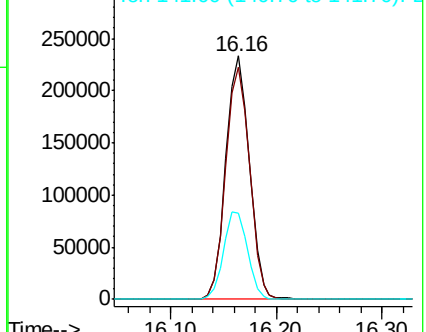
330 100

332 96.6 77.8 116.6

141 36.3 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: 62.166 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.00 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

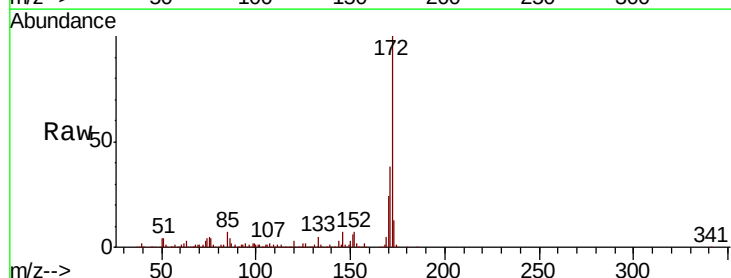
Tgt Ion:172 Resp: 1110036

Ion Ratio Lower Upper

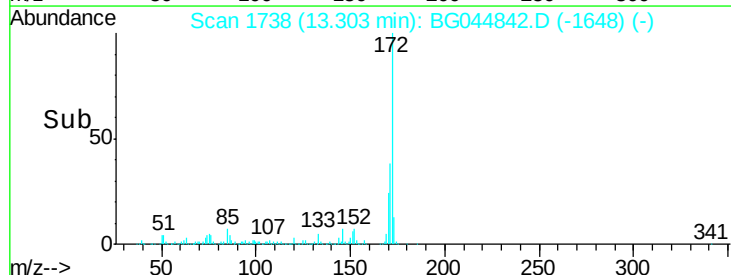
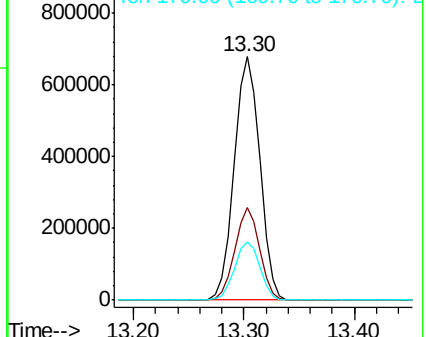
172 100

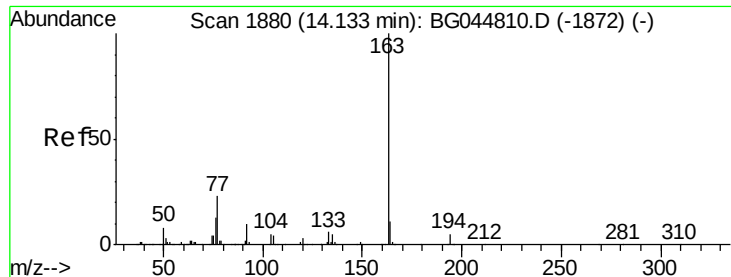
171 37.9 28.7 43.1

170 24.0 19.0 28.6



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

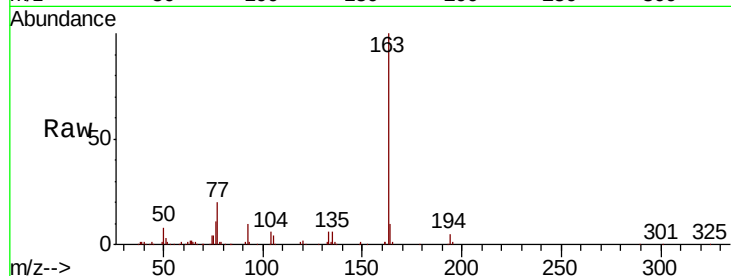




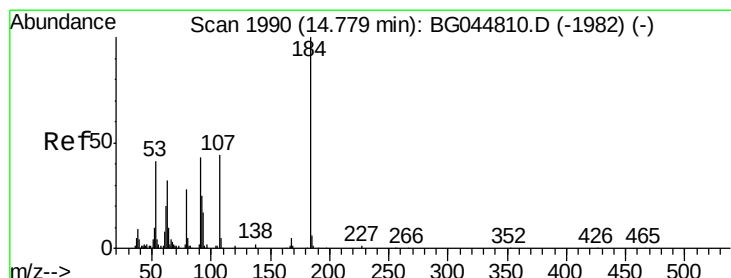
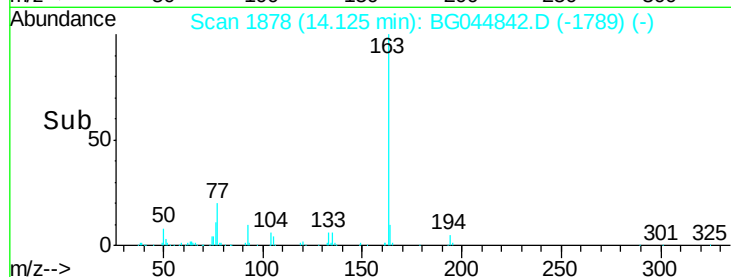
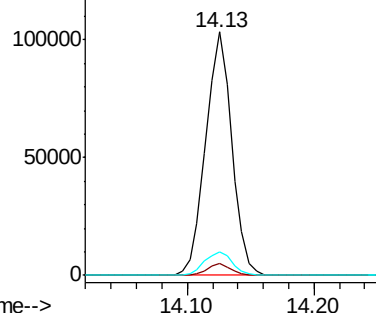
#50
Dimethylphthalate
Concen: 7.220 ng
RT: 14.13 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.7	5.5
164	9.7	9.1	13.7

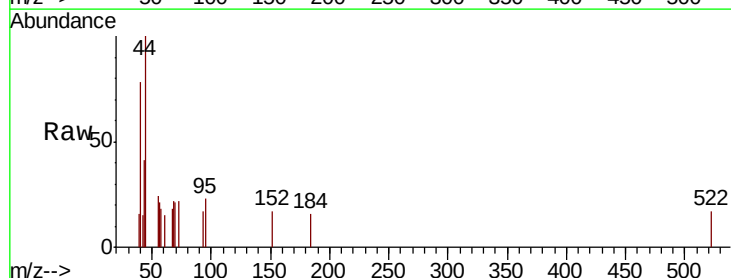


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

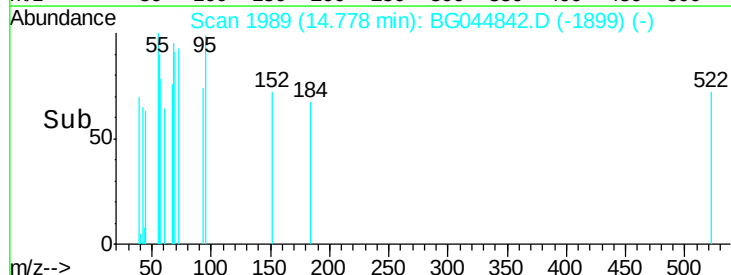
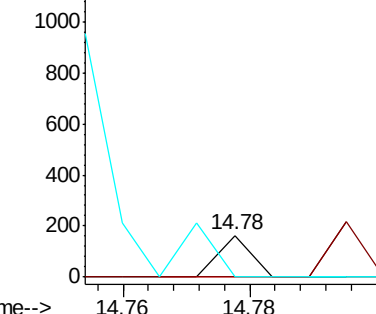


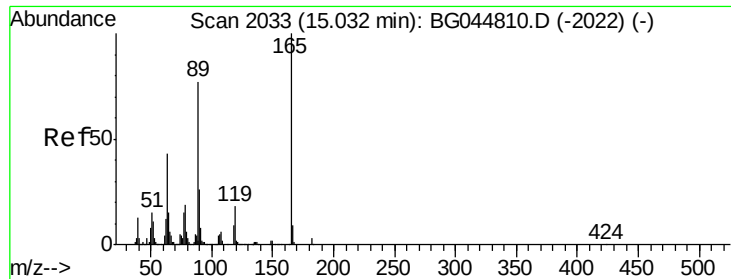
#54
2,4-Dinitrophenol
Concen: 8.347 ng
RT: 14.78 min Scan# 1989
Delta R.T. -0.00 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

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



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

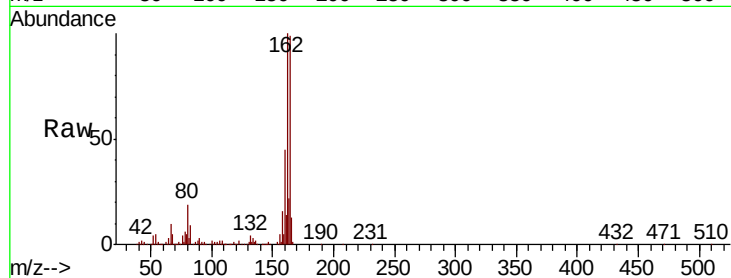




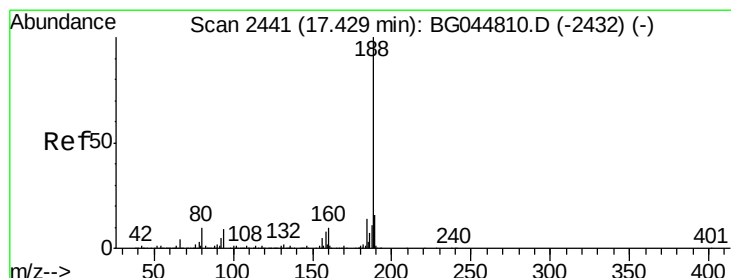
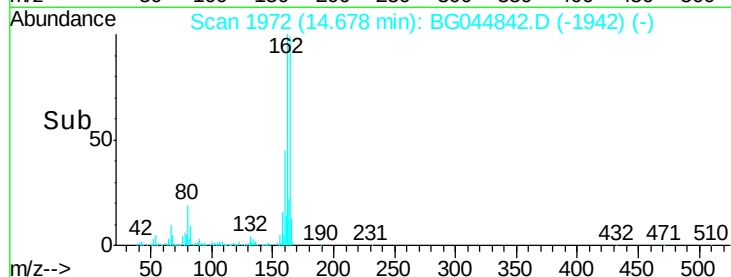
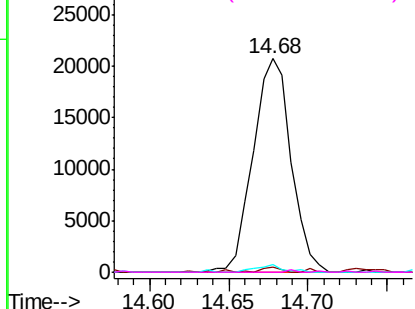
#57
 2,4-Dinitrotoluene
 Concen: 6.129 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.35 min
 Lab File: BG044842.D
 Acq: 17 Mar 2020 21:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 34506
 Ion Ratio Lower Upper
 165 100
 63 2.2 34.6 52.0#
 89 3.6 61.3 91.9#
 182 0.0 2.2 3.2#

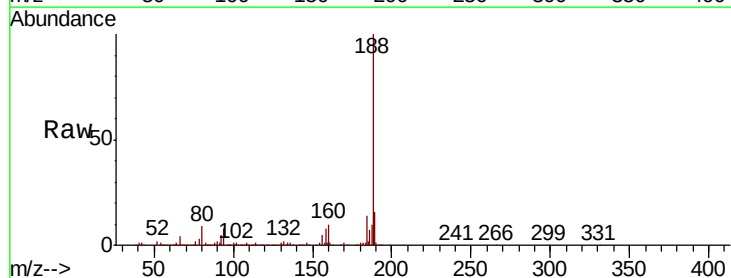


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

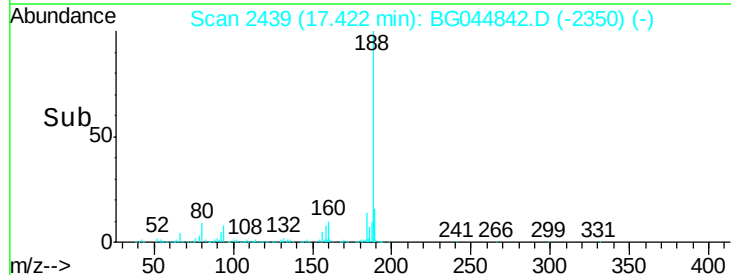
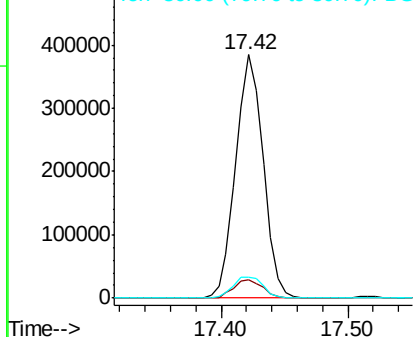


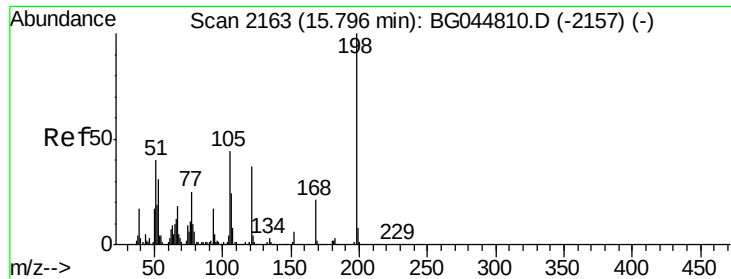
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044842.D
 Acq: 17 Mar 2020 21:10

Tgt Ion:188 Resp: 577215
 Ion Ratio Lower Upper
 188 100
 94 7.7 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: 7.750 ng

RT: 15.63 min Scan# 2134

Delta R.T. -0.17 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

ClientSampled :

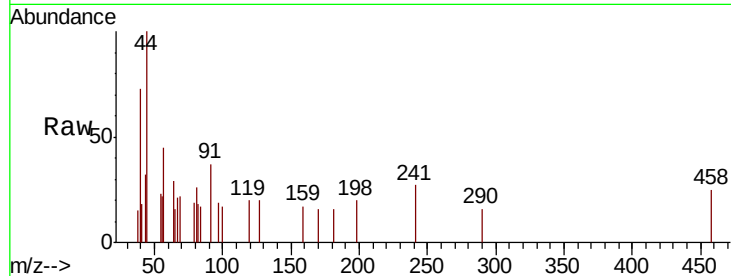
Tot Ion:198 Resp: 70

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

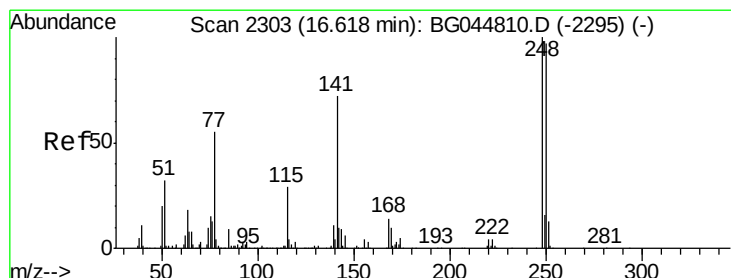
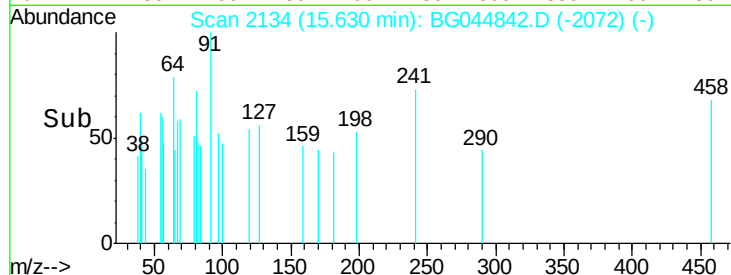
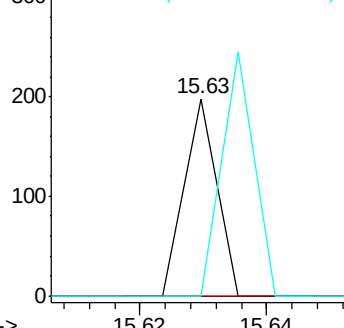
105 0.0 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.483 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.46 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

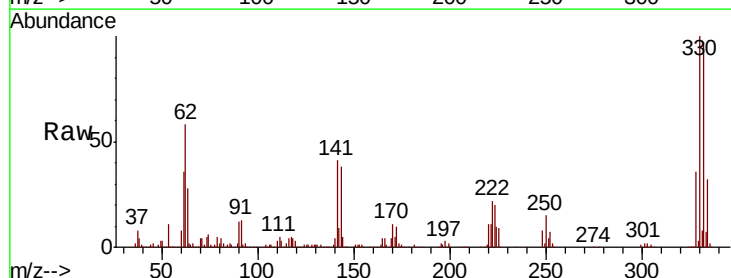
Tgt Ion:248 Resp: 25135

Ion Ratio Lower Upper

248 100

250 191.8 77.9 116.9#

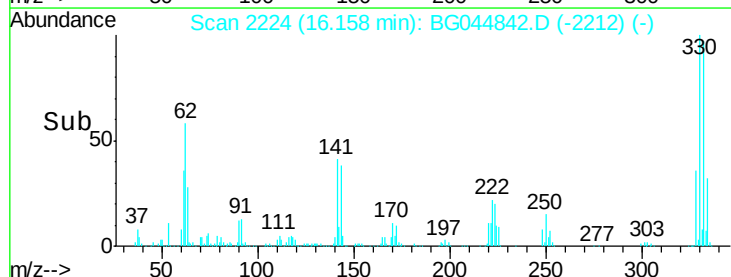
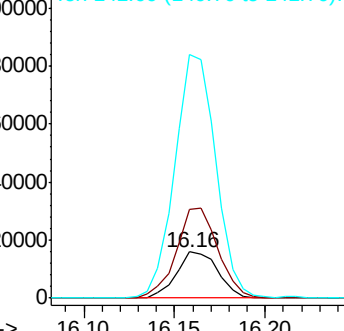
141 525.8 57.5 86.3#

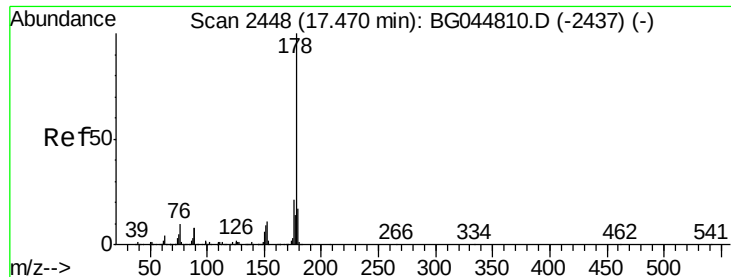


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 3.611 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

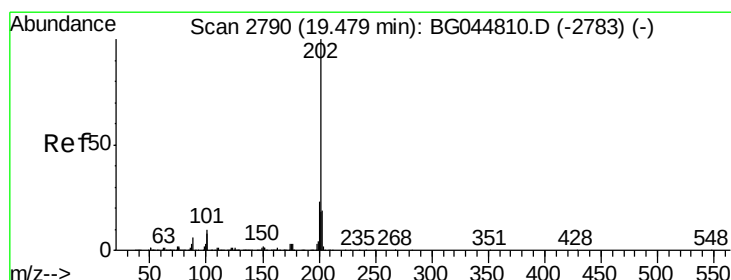
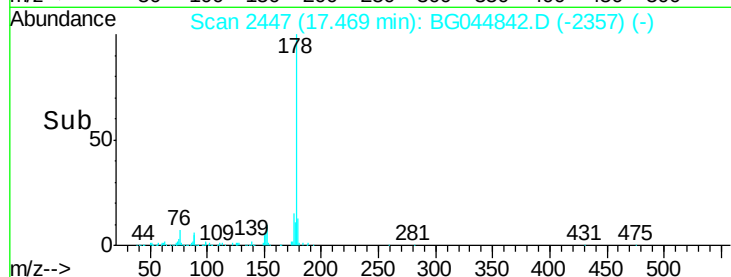
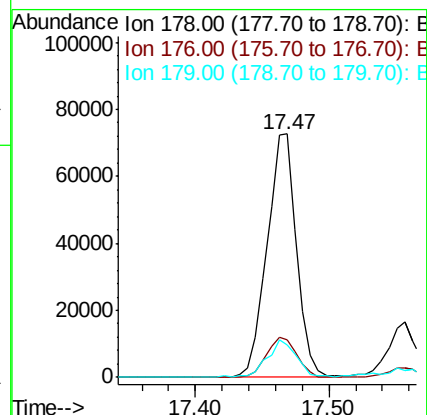
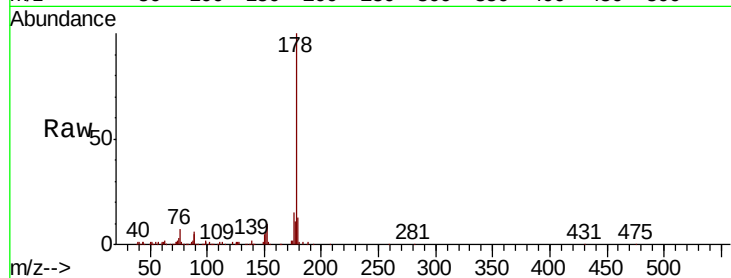
Tot Ion:178 Resp: 111387

Ion Ratio Lower Upper

178 100

176 15.4 16.6 24.8#

179 13.3 13.5 20.3#



#75

Fluoranthene

Concen: 8.350 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

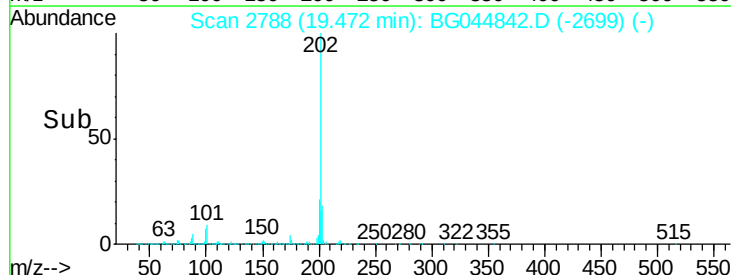
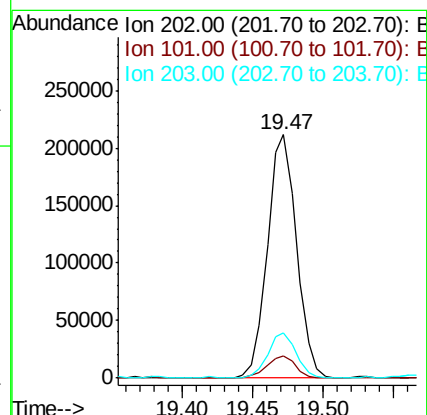
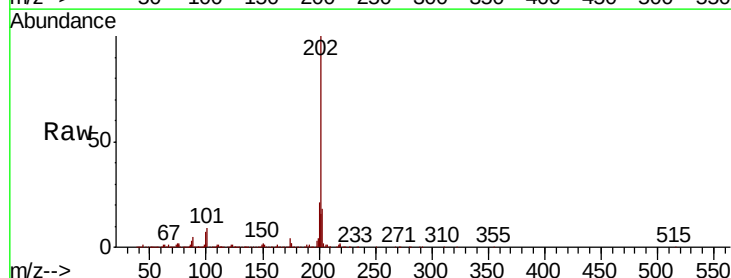
Tgt Ion:202 Resp: 306683

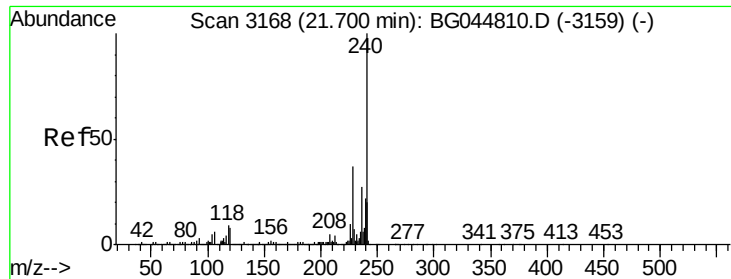
Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.8

203 18.4 0.0 39.4

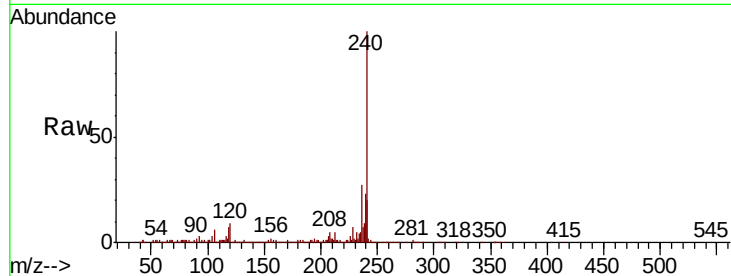




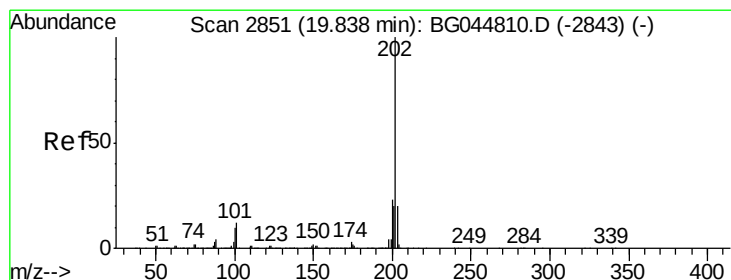
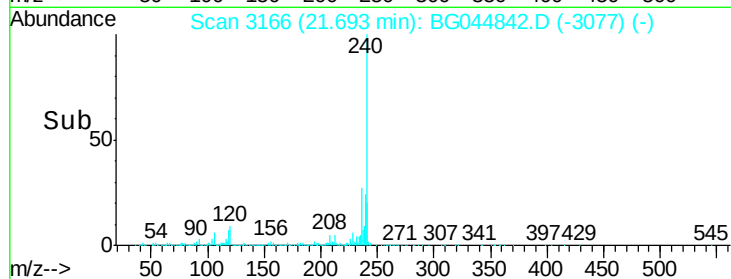
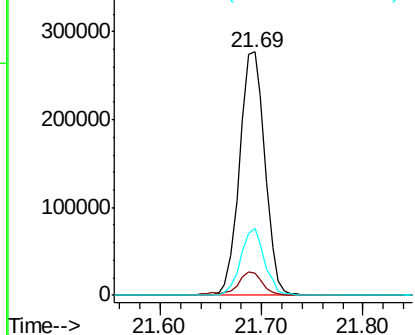
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.7	10.1
236	27.4	21.5	32.3

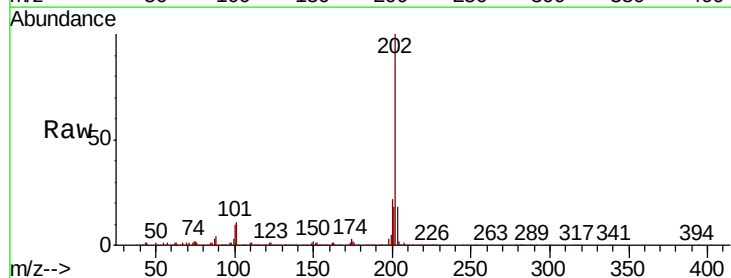


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

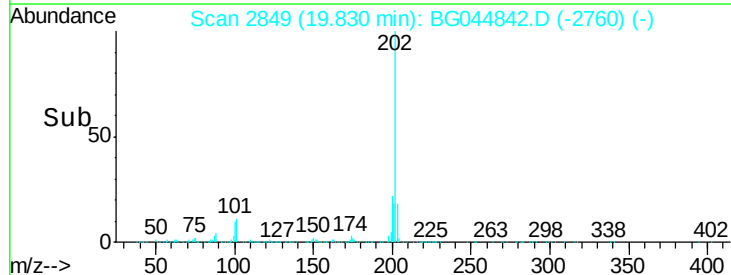
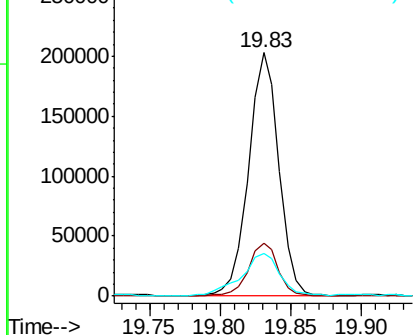


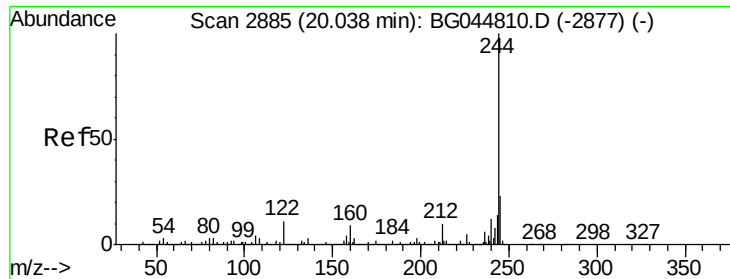
#78
Pyrene
Concen: 8.703 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.3	27.5
203	17.7	15.6	23.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.864 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

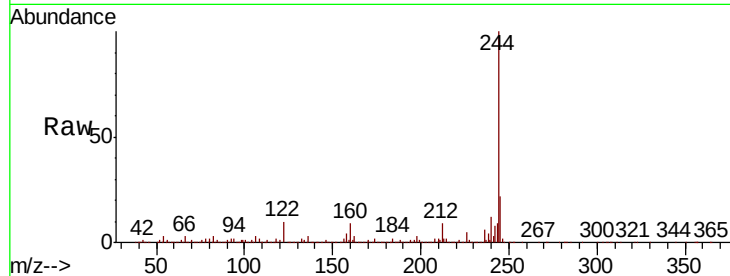
Tot Ion:244 Resp: 1662891

Ion Ratio Lower Upper

244 100

212 9.0 7.7 11.5

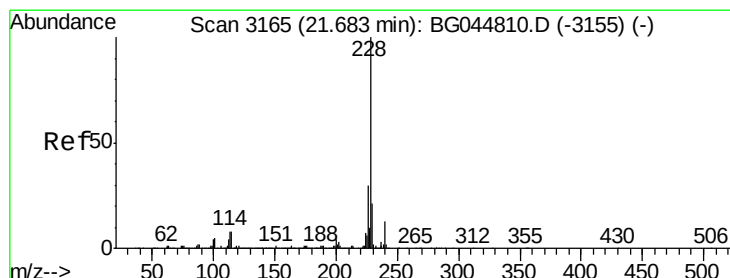
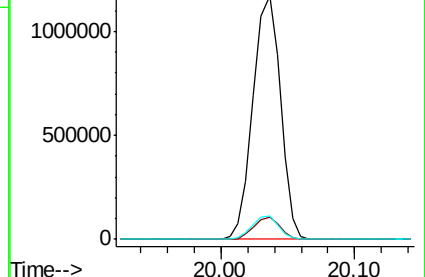
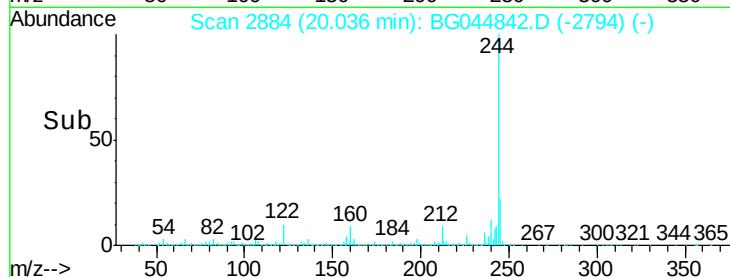
122 9.7 8.6 12.8



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



#81

Benzo(a)anthracene

Concen: 5.028 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

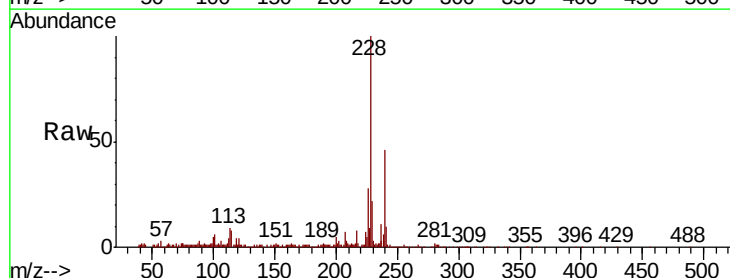
Tgt Ion:228 Resp: 173611

Ion Ratio Lower Upper

228 100

226 27.9 23.6 35.4

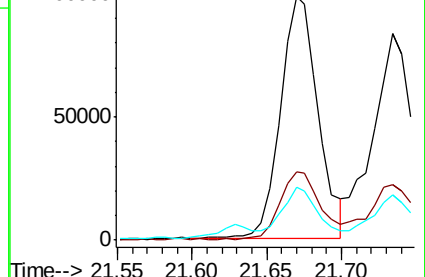
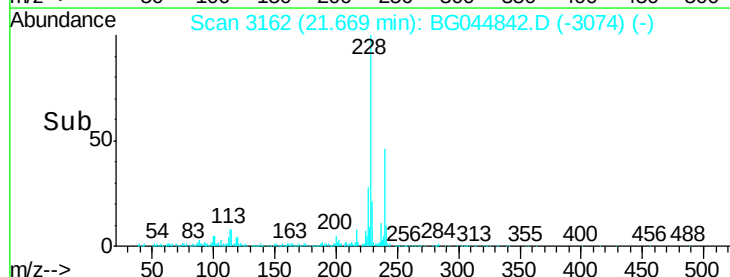
229 21.9 17.1 25.7

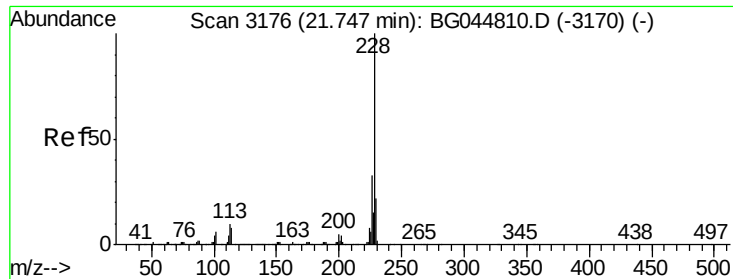


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.613 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

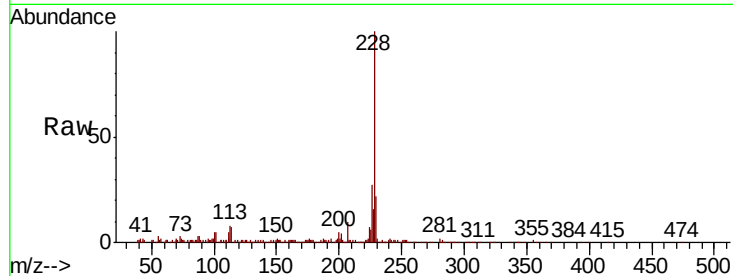
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 152153

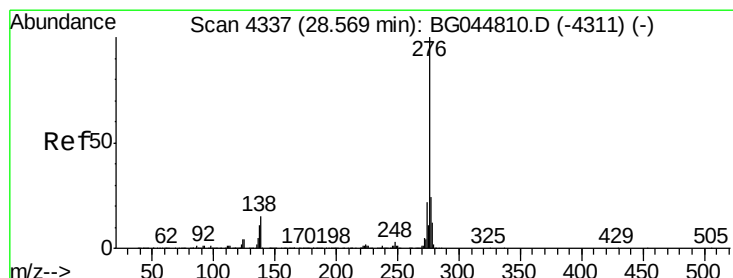
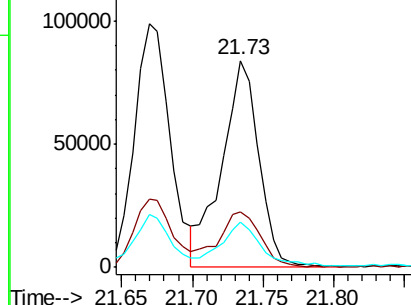
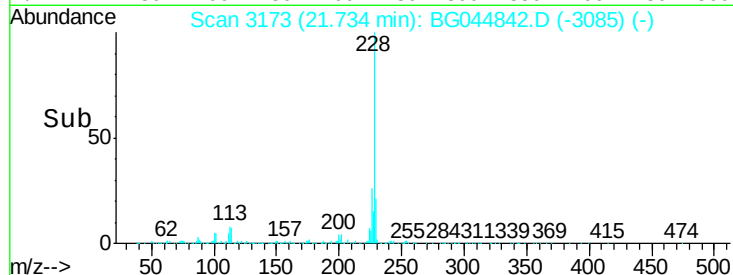
Ion	Ratio	Lower	Upper
228	100		
226	26.8	25.9	38.9
229	21.9	17.4	26.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.768 ng

RT: 28.53 min Scan# 4330

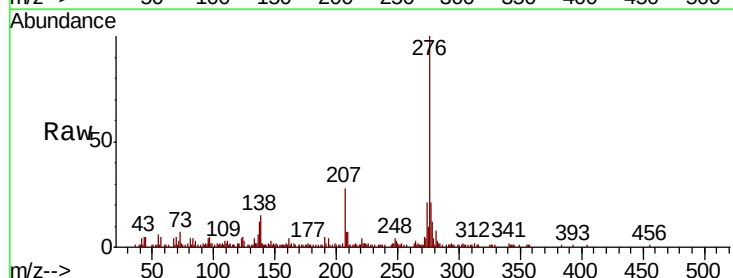
Delta R.T. -0.04 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Tgt Ion:276 Resp: 119710

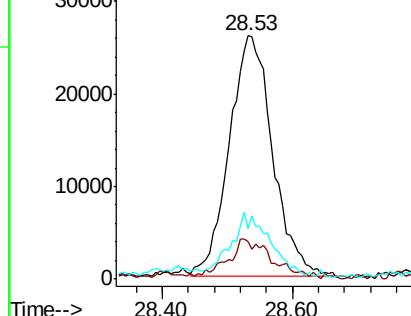
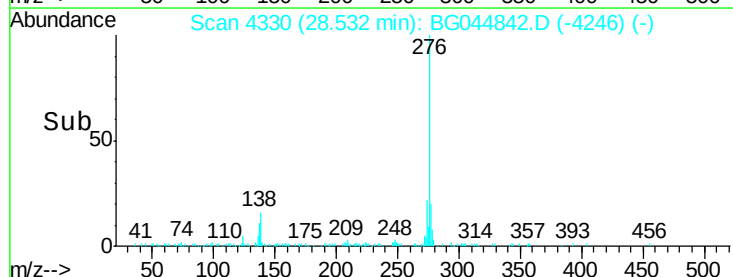
Ion	Ratio	Lower	Upper
276	100		
138	8.2	7.4	11.0
277	24.1	20.8	31.2

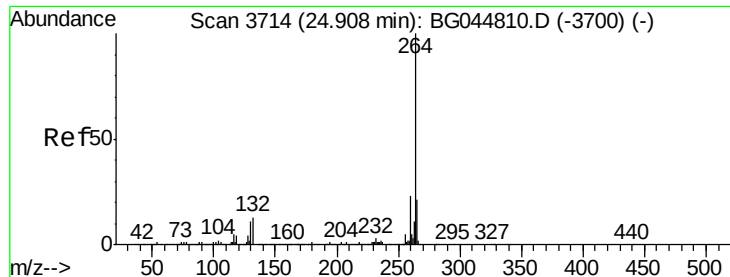


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3711

Delta R.T. -0.01 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

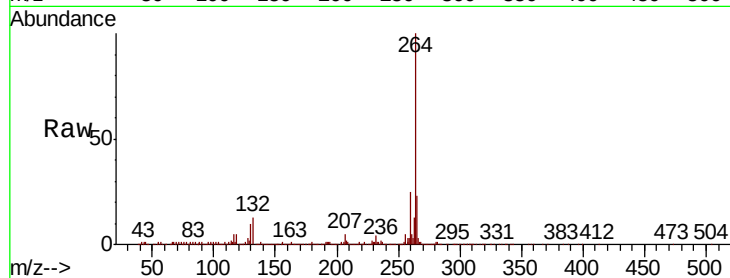
Tot Ion:264 Resp: 535204

Ion Ratio Lower Upper

264 100

260 24.8 18.1 27.1

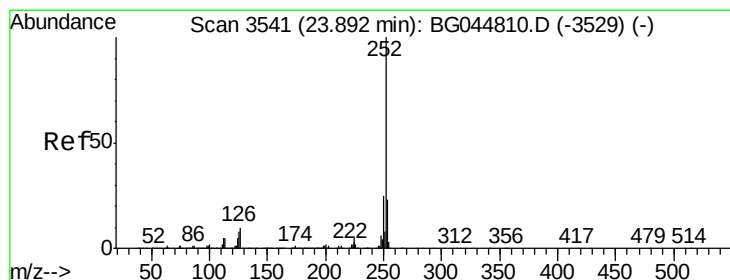
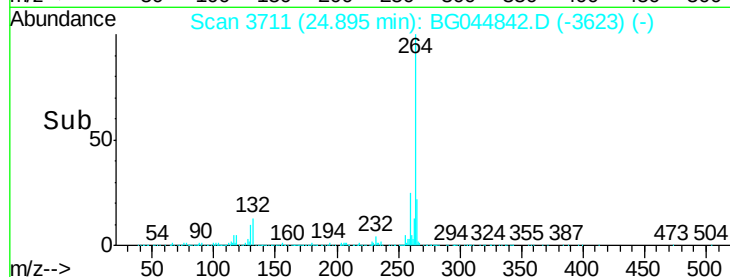
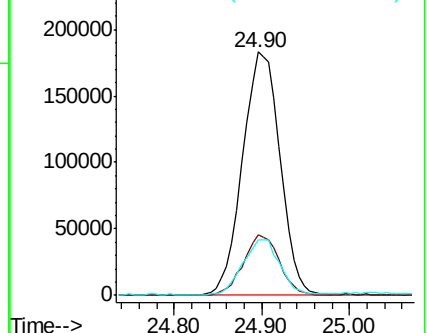
265 22.7 17.1 25.7



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



#88

Benzo(b)fluoranthene

Concen: 6.192 ng

RT: 23.89 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

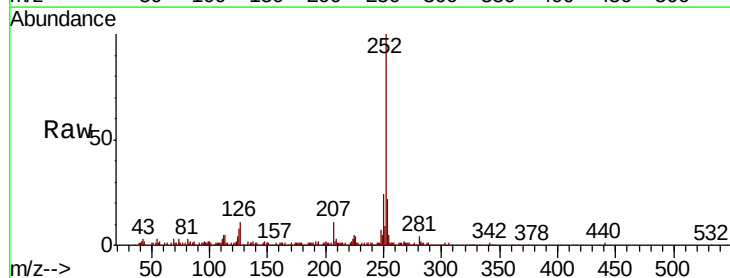
Tgt Ion:252 Resp: 218790

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

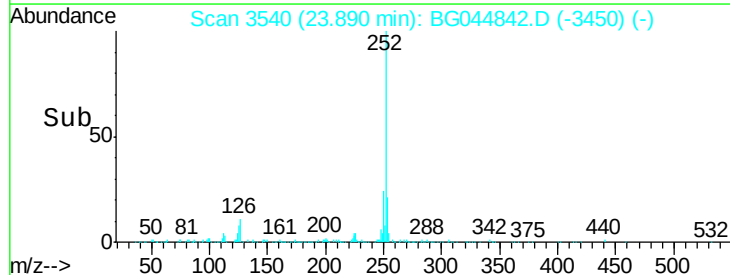
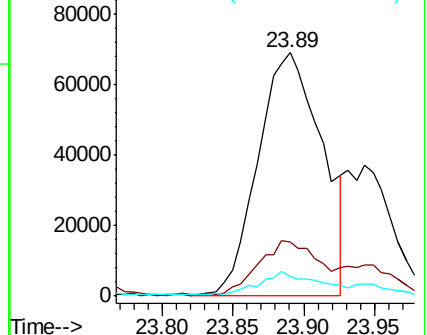
125 8.3 6.6 9.8

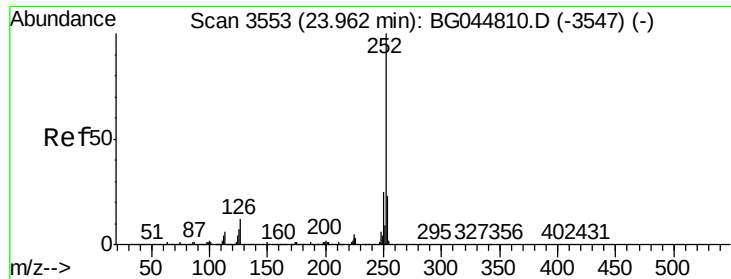


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

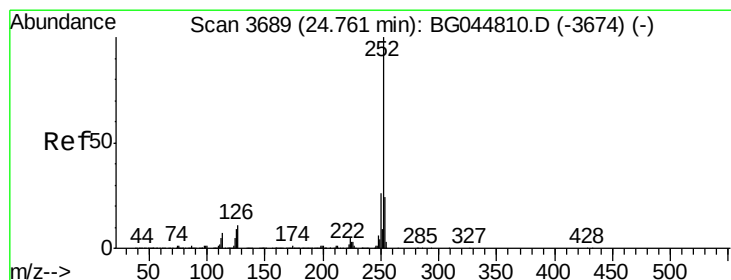
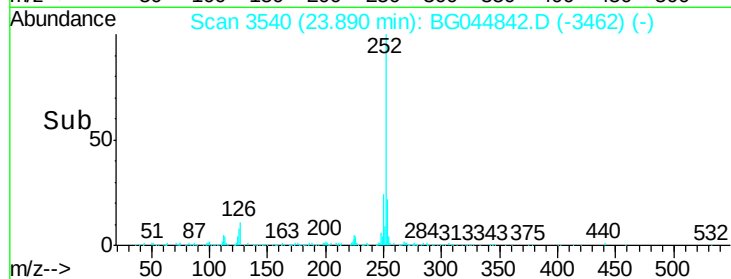
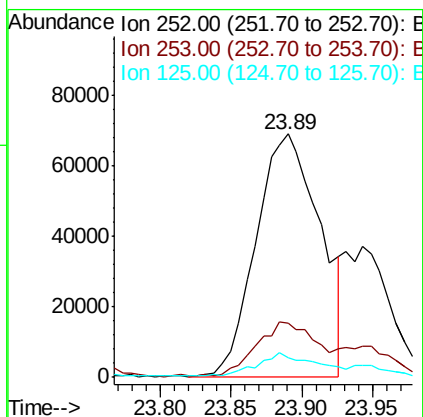
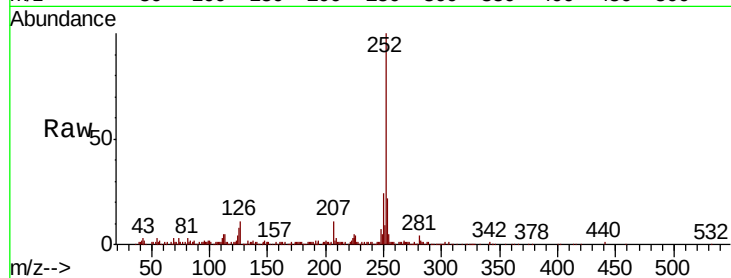




#89
Benzo(k)fluoranthene
Concen: 6.543 ng
RT: 23.89 min Scan# 3540
Delta R.T. -0.07 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

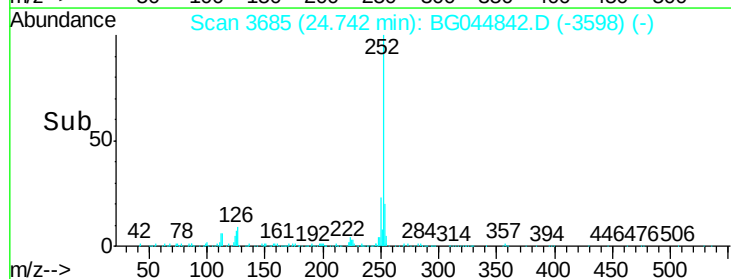
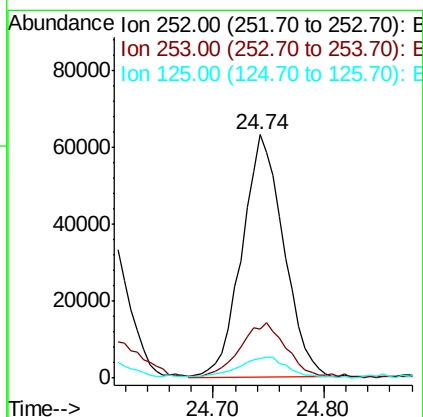
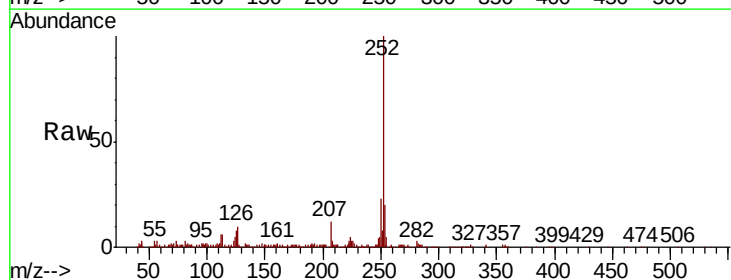
Instrument :
BNA_G
ClientSampleId :

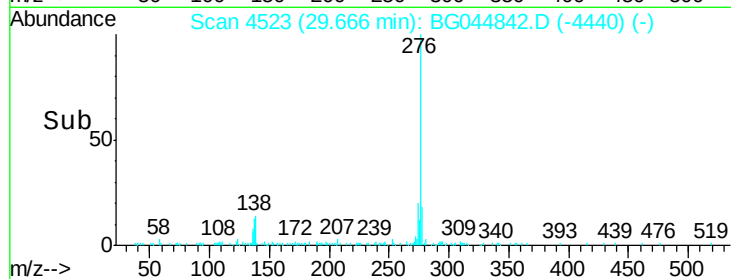
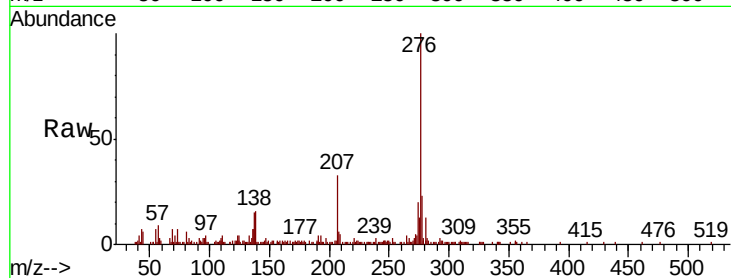
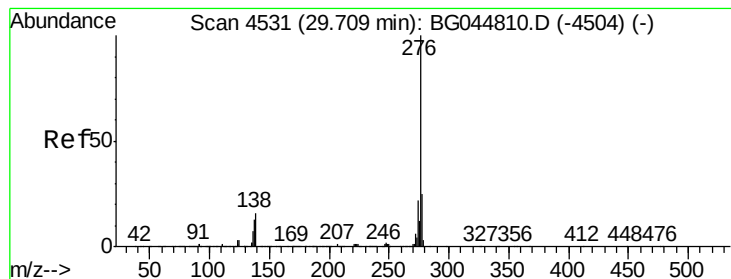
Tot Ion:252 Resp: 218790
Ion Ratio Lower Upper
252 100
253 22.3 18.5 27.7
125 8.3 6.2 9.2



#90
Benzo(a)pyrene
Concen: 5.042 ng
RT: 24.74 min Scan# 3685
Delta R.T. -0.02 min
Lab File: BG044842.D
Acq: 17 Mar 2020 21:10

Tgt Ion:252 Resp: 166684
Ion Ratio Lower Upper
252 100
253 20.2 19.4 29.0
125 8.1 7.2 10.8





#92

Benzo(a,h,i)perylene

Concen: 3.609 ng

RT: 29.67 min Scan# 4523

Delta R.T. -0.04 min

Lab File: BG044842.D

Acq: 17 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 118939

Ion Ratio Lower Upper

276 100

277 23.4 20.1 30.1

138 16.1 13.0 19.6

