

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044841.D
 Acq On : 17 Mar 2020 20:30
 Operator : CG/JU
 Sample : L1893-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:45:55 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	95608	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	393918	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	261673	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	566189	20.00	ng	0.00
76) Chrysene-d12	21.69	240	473618	20.00	ng	-0.01
87) Perylene-d12	24.90	264	542070	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	628292	102.30	ng	0.00
7) Phenol-d6	7.20	99	910784	102.07	ng	0.00
23) Nitrobenzene-d5	9.20	82	604424	67.33	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	378931	110.60	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1279117	70.00	ng	0.00
79) Terphenyl-d14	20.03	244	1798807	71.04	ng	0.00

Target Compounds

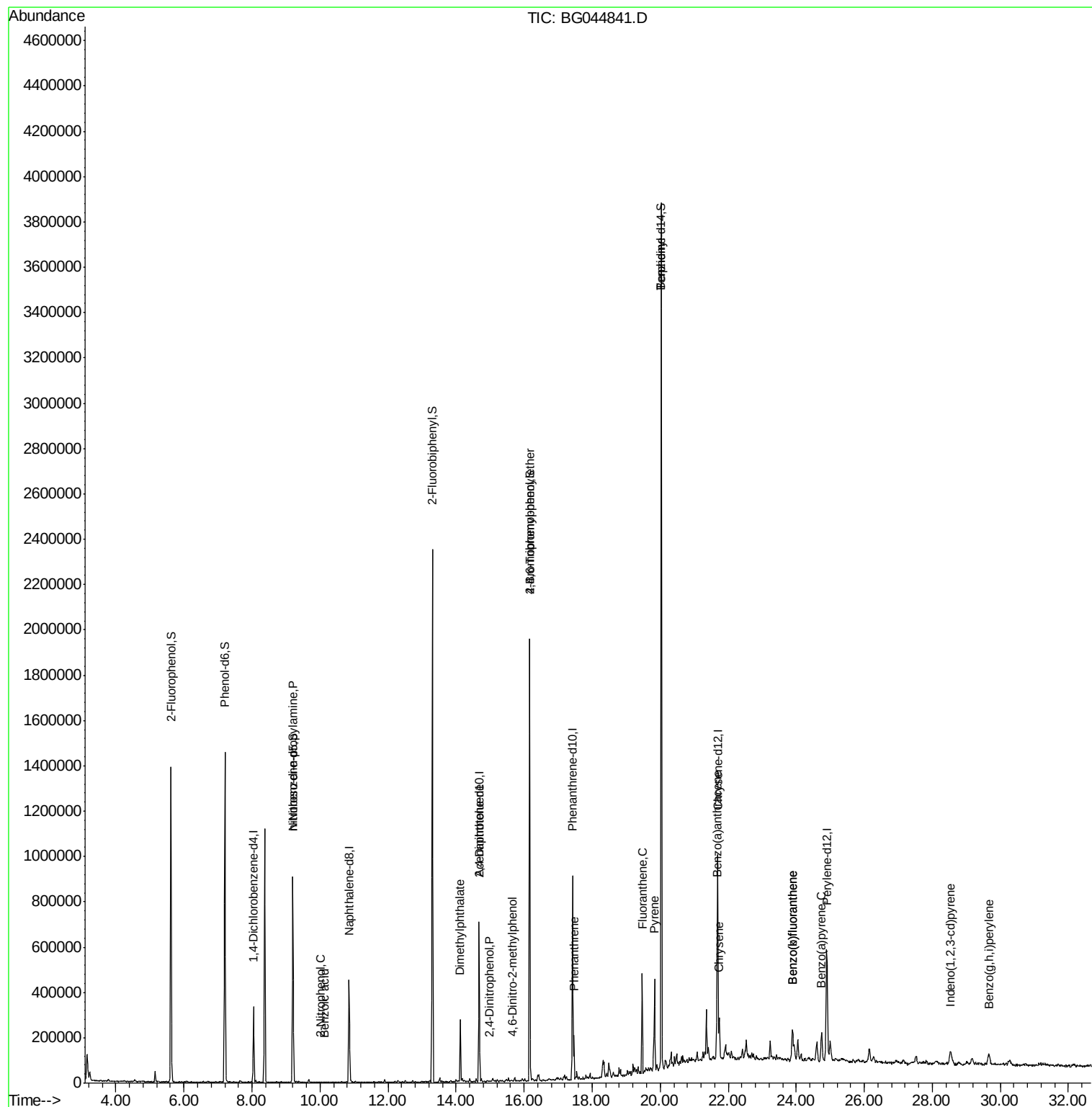
						Qvalue
9) Benzaldehyde	7.19	77	2271	Below Cal	#	21
19) n-Nitroso-di-n-propylamine	9.20	70	81185	12.885 ng	#	71
26) 2-Nitrophenol	10.03	139	79	5.537 ng	#	28
32) Benzoic acid	10.13	122	54	9.680 ng	#	1
50) Dimethylphthalate	14.12	163	178036	8.543 ng		98
54) 2,4-Dinitrophenol	14.99	184	121	8.372 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	34663	6.016 ng	#	23
65) 4,6-Dinitro-2-methylphenol	15.67	198	55	7.745 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	25634	3.622 ng	#	1
71) Phenanthrene	17.47	178	126128	4.169 ng		96
75) Fluoranthene	19.47	202	273896	7.603 ng		97
77) Benzidine	20.03	184	34276	2.229 ng	#	93
78) Pyrene	19.83	202	270559	7.786 ng		98
81) Benzo(a)anthracene	21.67	228	140991	4.134 ng		97
83) Chrysene	21.74	228	130372	4.002 ng		97
86) Indeno(1,2,3-cd)pyrene	28.53	276	96256	2.254 ng	#	75
88) Benzo(b)fluoranthene	23.89	252	180716	5.050 ng	#	95
89) Benzo(k)fluoranthene	23.89	252	180716	5.336 ng	#	96
90) Benzo(a)pyrene	24.74	252	143685	4.291 ng		98
92) Benzo(a,h,i)perylene	29.67	276	91441	2.740 ng		93

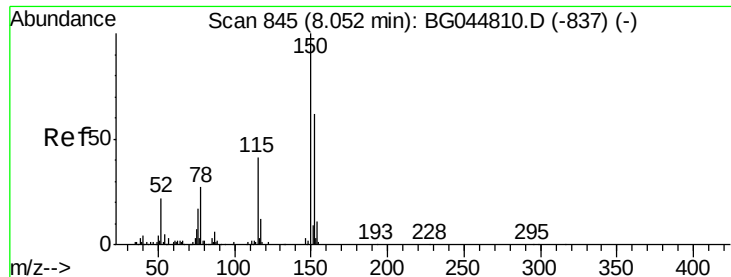
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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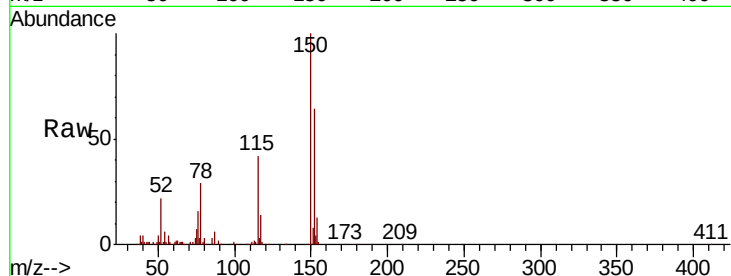


#1

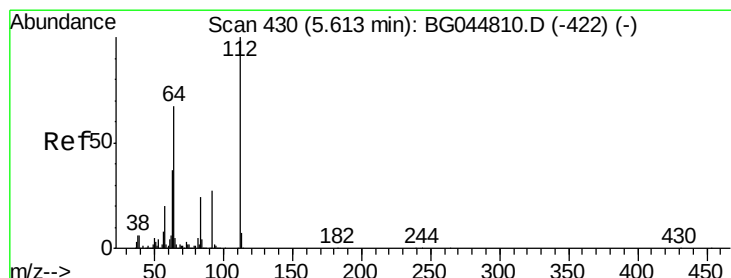
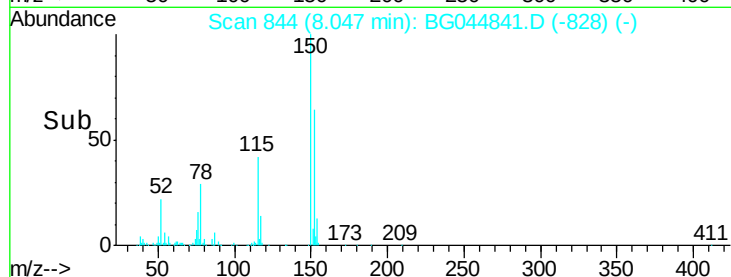
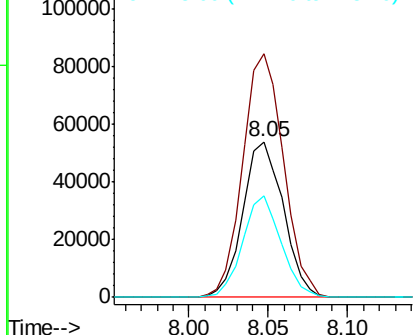
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 95608
Ion Ratio Lower Upper
152 100
150 156.4 128.8 193.2
115 65.6 52.6 79.0



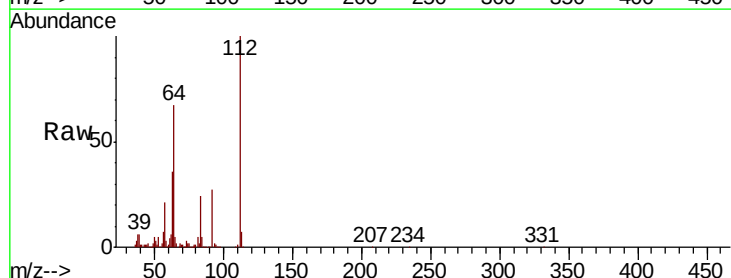
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



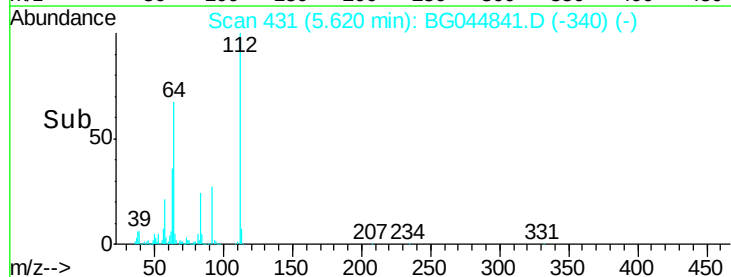
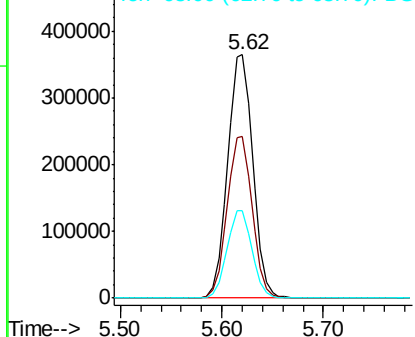
#5

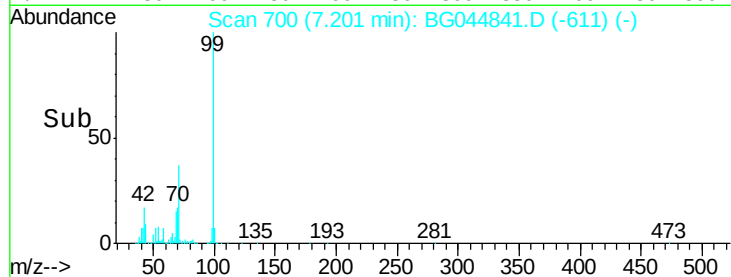
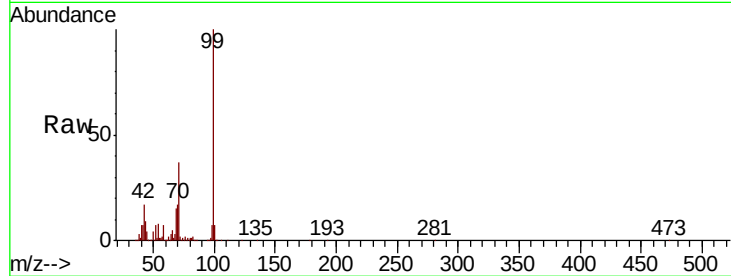
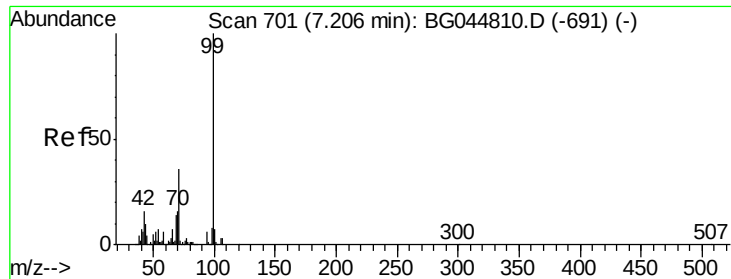
2-Fluorophenol
Concen: 102.299 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

Tgt Ion:112 Resp: 628292
Ion Ratio Lower Upper
112 100
64 66.6 53.4 80.2
63 36.1 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 102.066 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Instrument :

BNA_N

ClientSampleId :

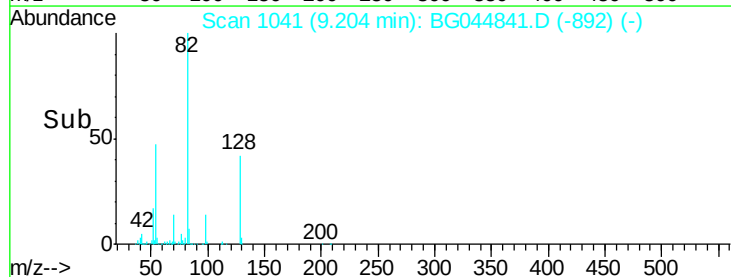
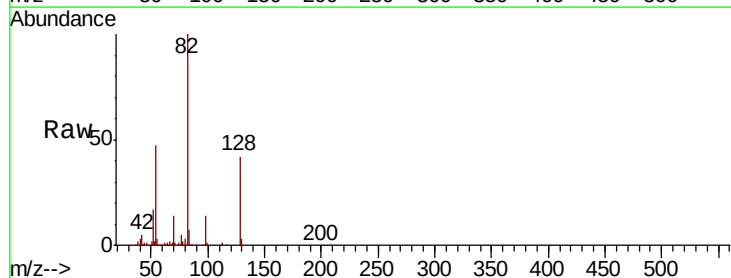
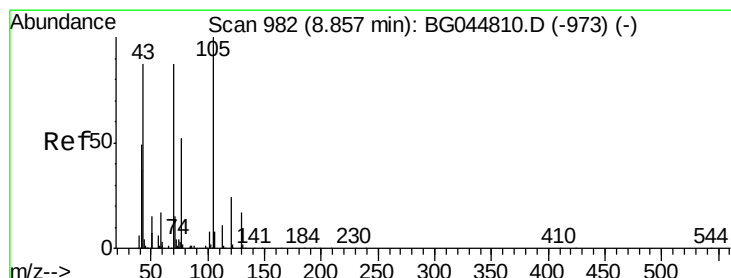
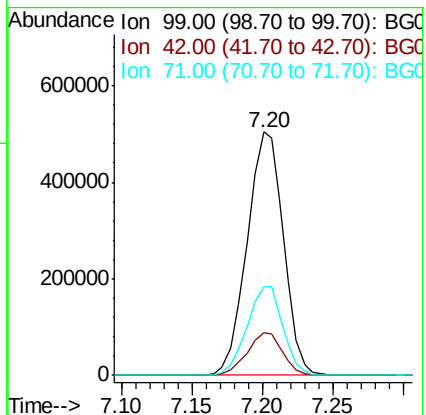
Tot Ion: 99 Resp: 910784

Ion Ratio Lower Upper

99 100

42 17.5 12.6 19.0

71 36.7 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.885 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Tgt Ion: 70 Resp: 81185

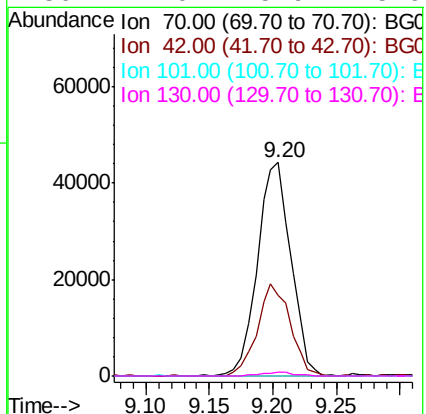
Ion Ratio Lower Upper

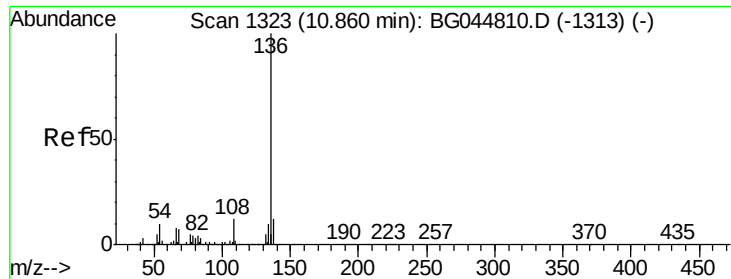
70 100

42 37.6 45.7 68.5#

101 0.0 7.4 11.2#

130 2.0 15.9 23.9#

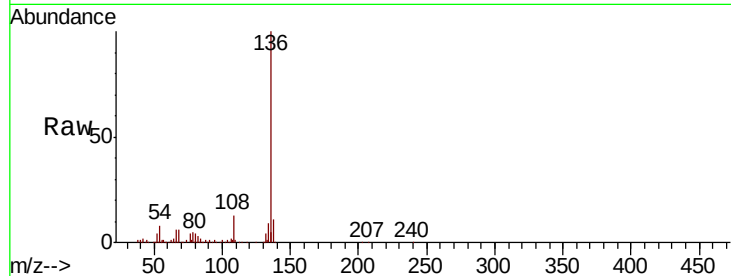




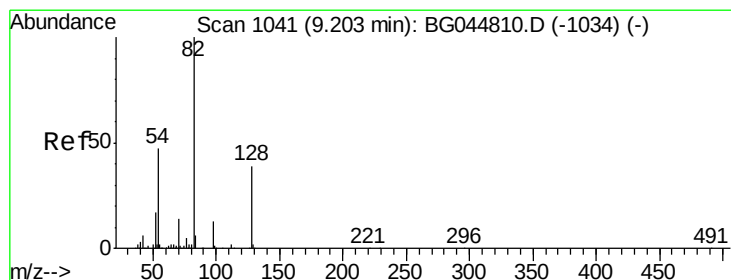
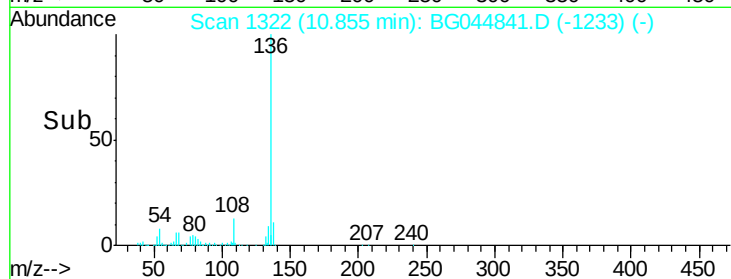
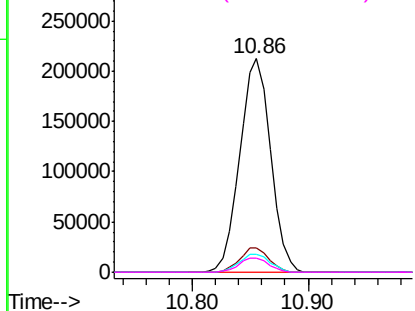
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	393918
Ion Ratio	Lower	Upper
136 100		
137 11.4	9.8	14.6
54 8.2	7.9	11.9
68 6.4	5.4	8.0

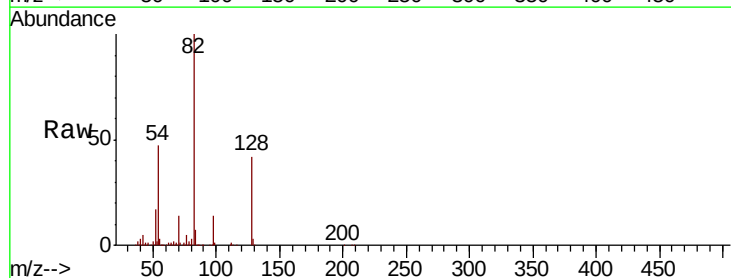


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

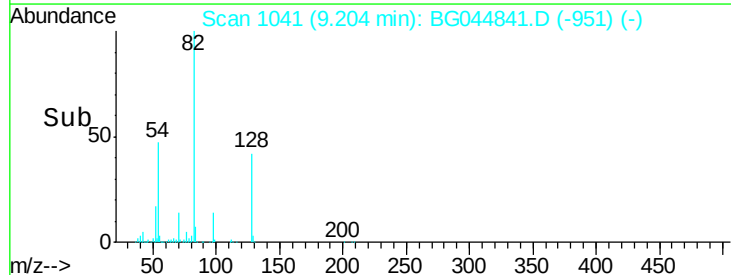
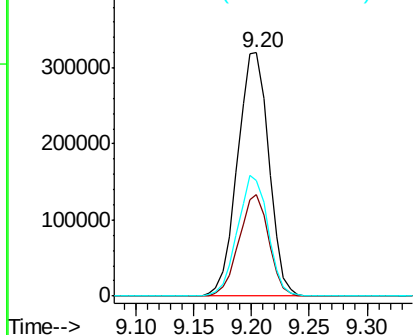


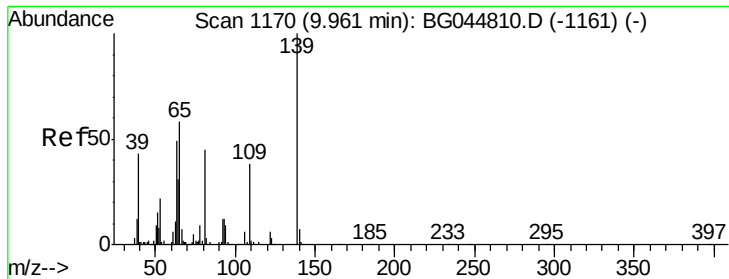
#23
Nitrobenzene-d5
Concen: 67.331 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

Tgt Ion: 82	Resp: 604424
Ion Ratio	Lower Upper
82 100	
128 41.6	30.6 46.0
54 47.5	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

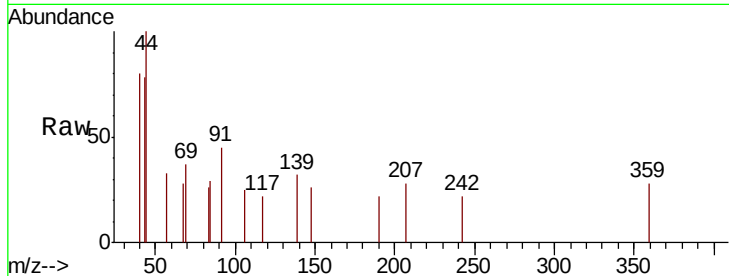




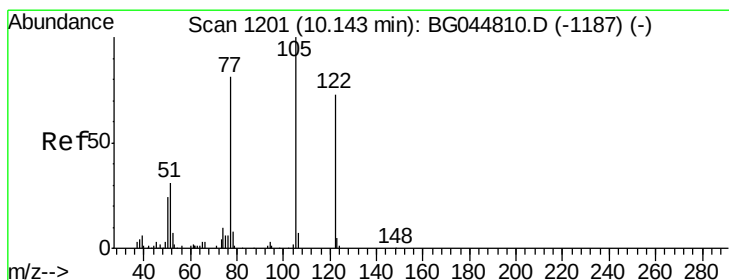
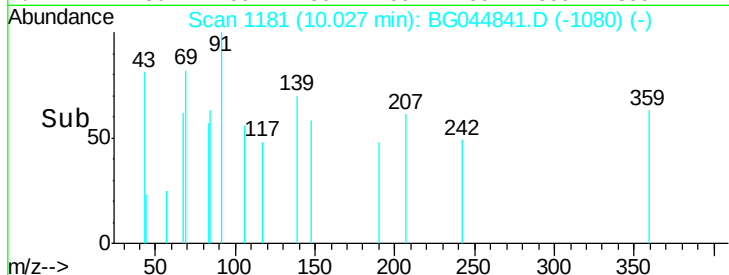
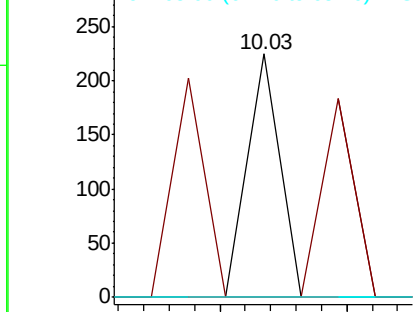
#26
2-Nitrophenol
Concen: 5.537 ng
RT: 10.03 min Scan# 1181
Delta R.T. 0.07 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

Instrument :
BNA_N
ClientSampled :

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

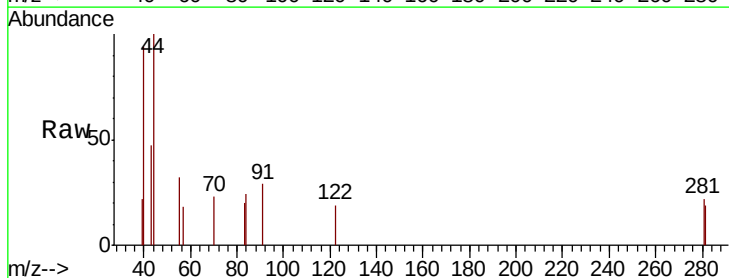


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

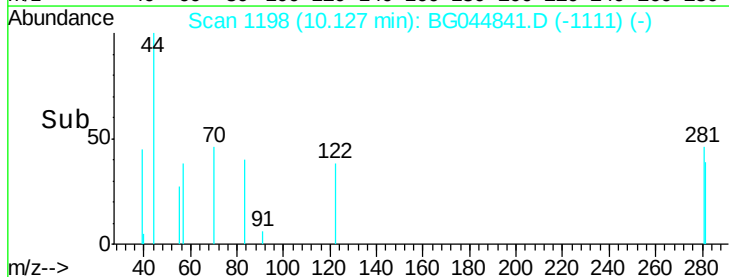
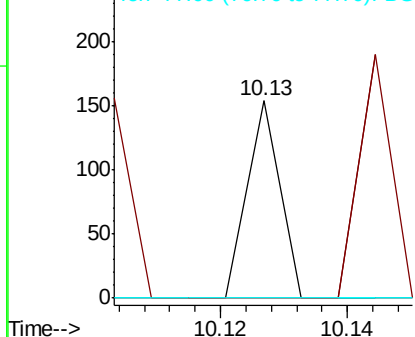


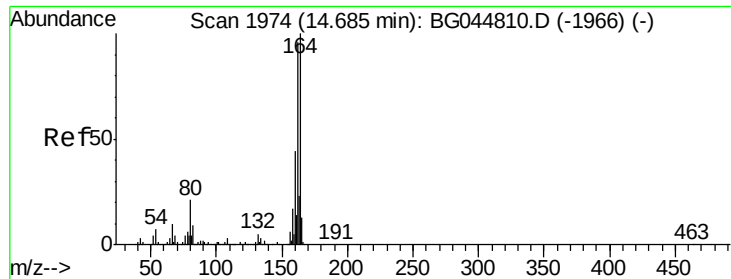
#32
Benzoic acid
Concen: 9.680 ng
RT: 10.13 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

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



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Instrument :

BNA_N

ClientSampleId :

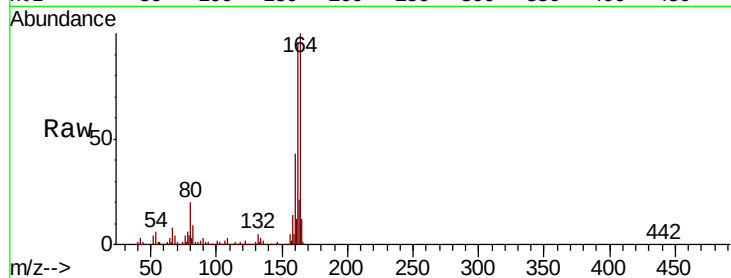
Tot Ion:164 Resp: 261673

Ion Ratio Lower Upper

164 100

162 95.9 76.7 115.1

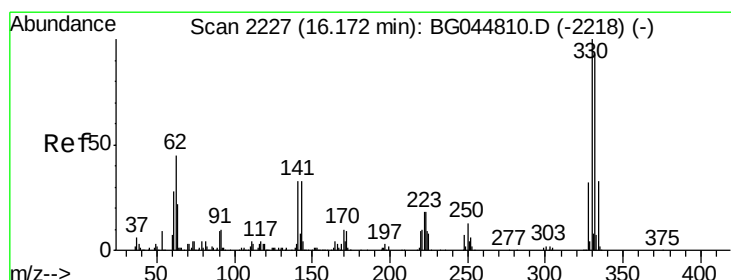
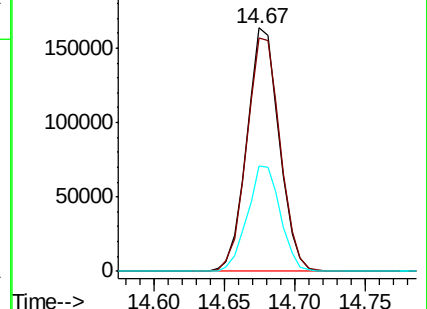
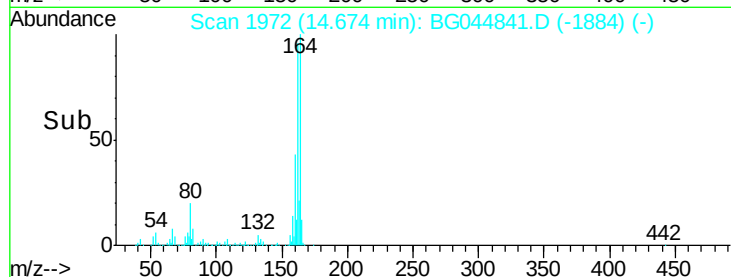
160 43.4 35.0 52.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 110.598 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

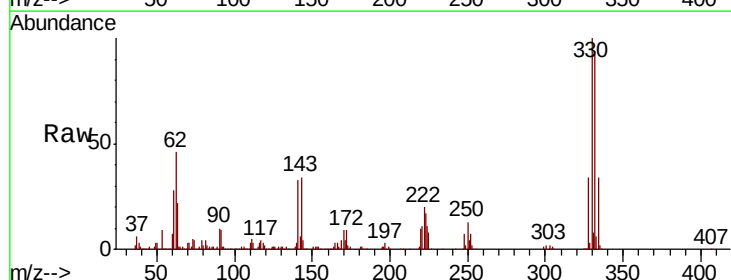
Tgt Ion:330 Resp: 378931

Ion Ratio Lower Upper

330 100

332 95.5 77.8 116.6

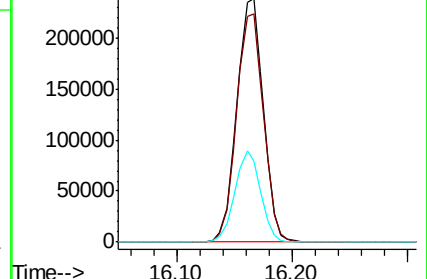
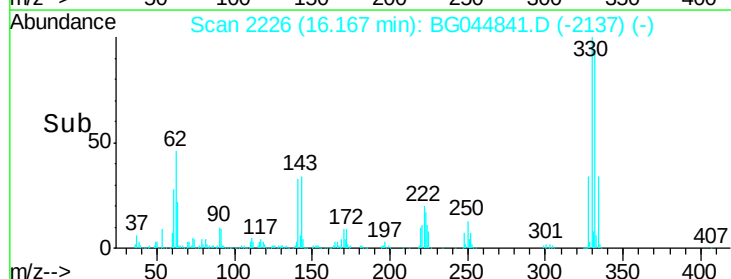
141 36.4 29.5 44.3

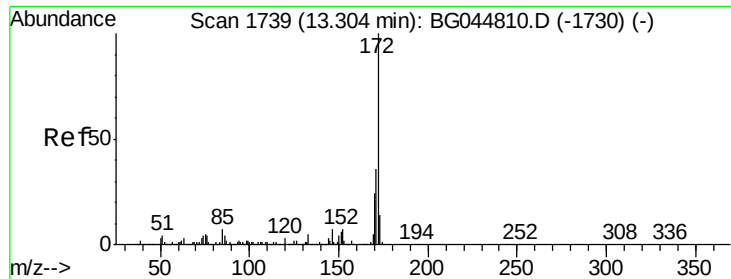


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

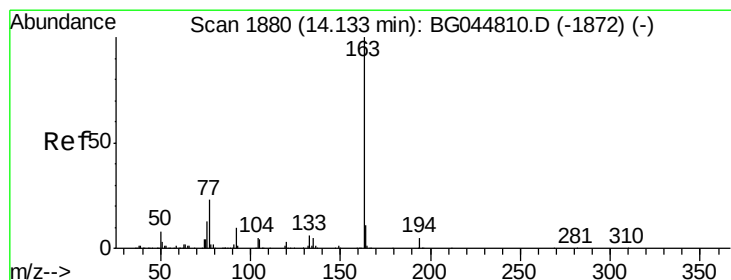
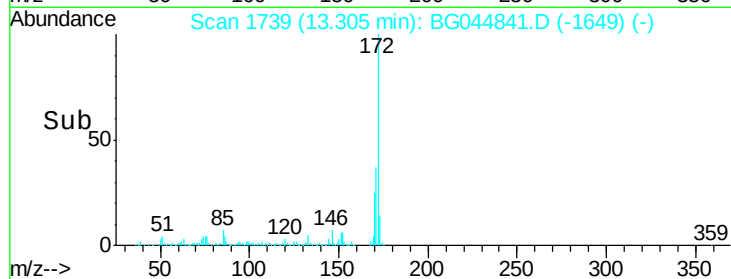
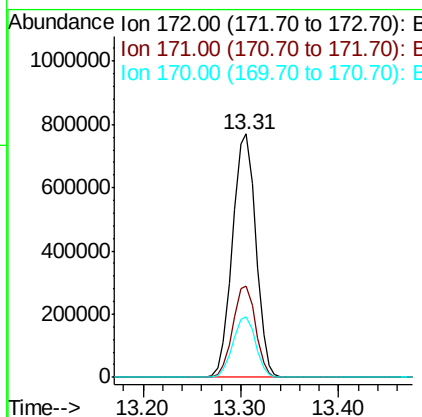
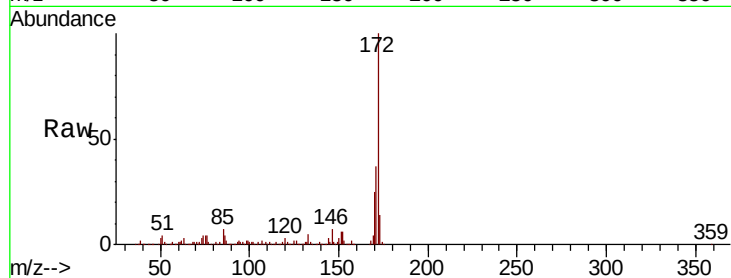




#45
2-Fluorobiphenyl
Concen: 70.001 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

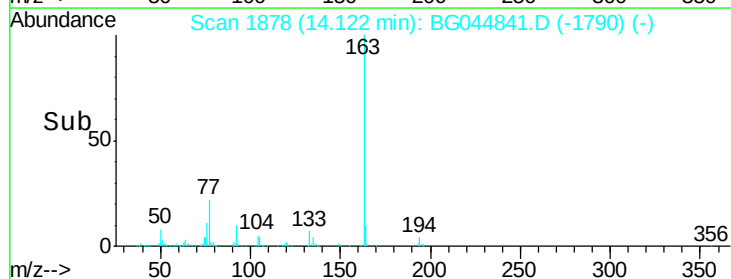
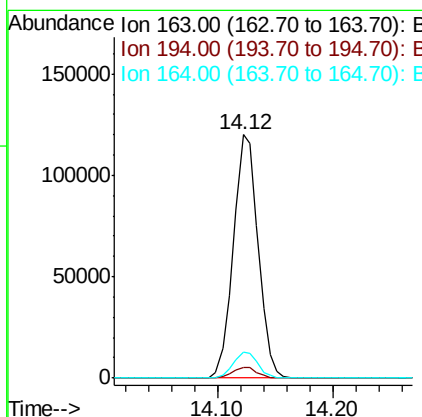
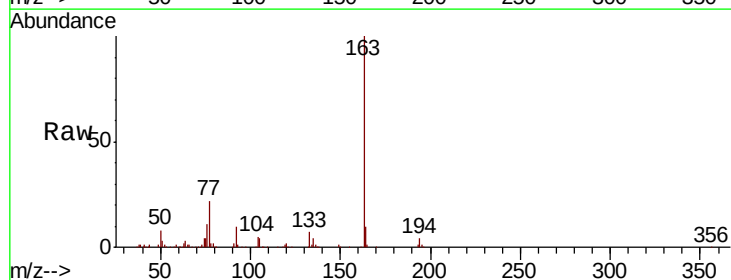
Instrument :
BNA_N
ClientSampleId :

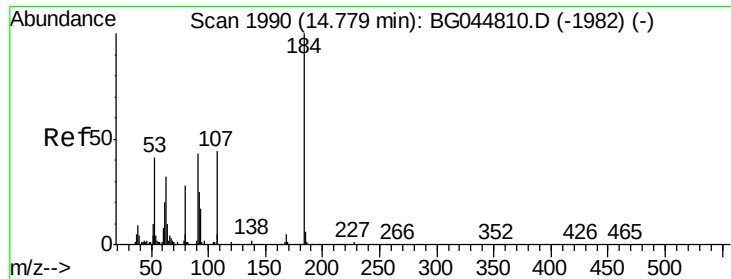
Tot Ion:172 Resp: 1279117
Ion Ratio Lower Upper
172 100
171 37.3 28.7 43.1
170 24.6 19.0 28.6



#50
Dimethylphthalate
Concen: 8.543 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

Tgt Ion:163 Resp: 178036
Ion Ratio Lower Upper
163 100
194 4.4 3.7 5.5
164 10.5 9.1 13.7

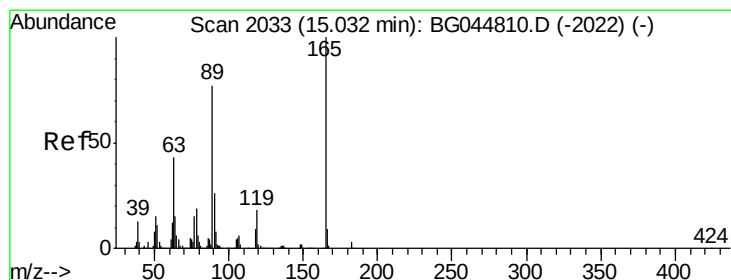
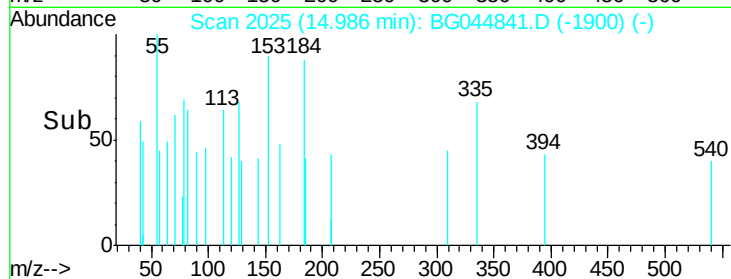
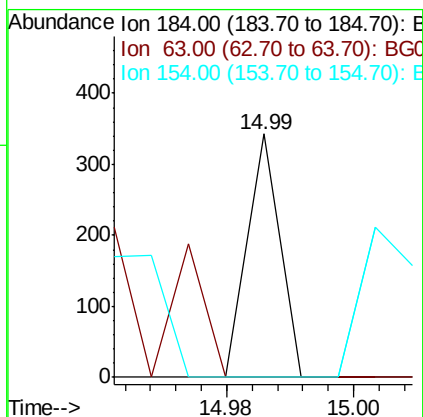
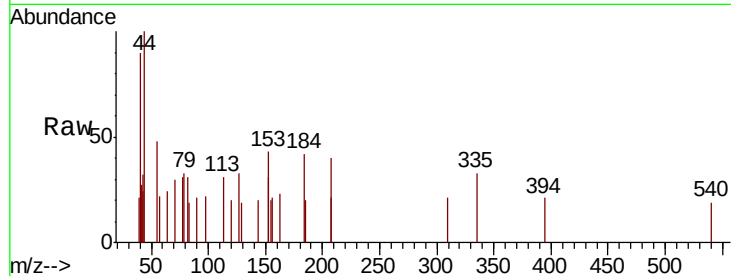




#54
2,4-Dinitrophenol
Concen: 8.372 ng
RT: 14.99 min Scan# 2025
Delta R.T. 0.21 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

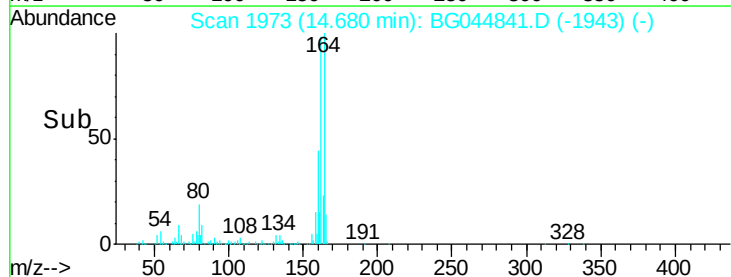
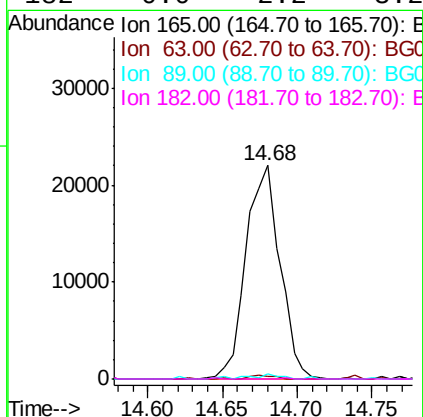
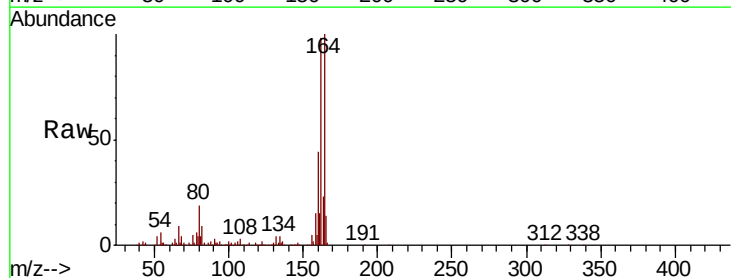
Instrument :
BNA_N
ClientSampleId :

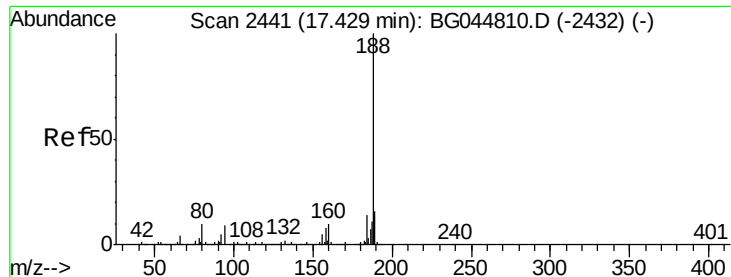
Tot Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.016 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.35 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

Tgt Ion:165 Resp: 34663
Ion Ratio Lower Upper
165 100
63 1.2 34.6 52.0#
89 2.7 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Instrument :

BNA_N

ClientSampled :

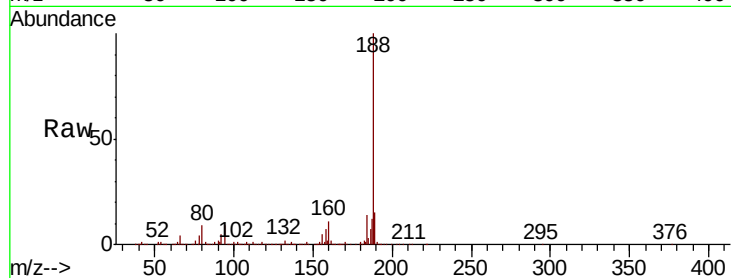
Tot Ion:188 Resp: 566189

Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

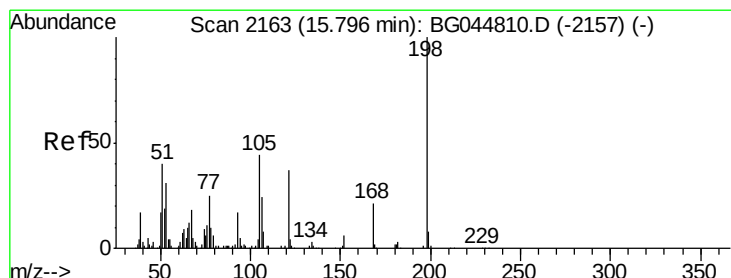
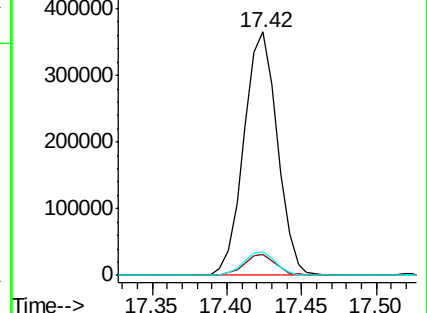
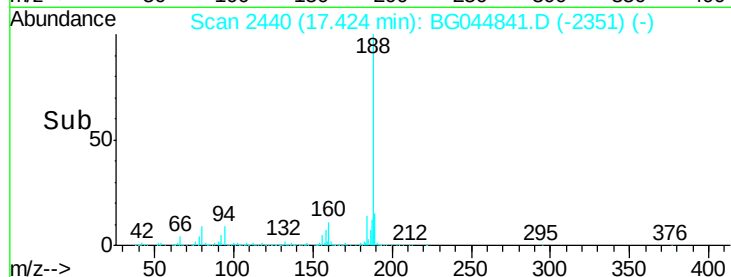
80 9.5 8.0 12.0



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: 7.745 ng

RT: 15.67 min Scan# 2141

Delta R.T. -0.13 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

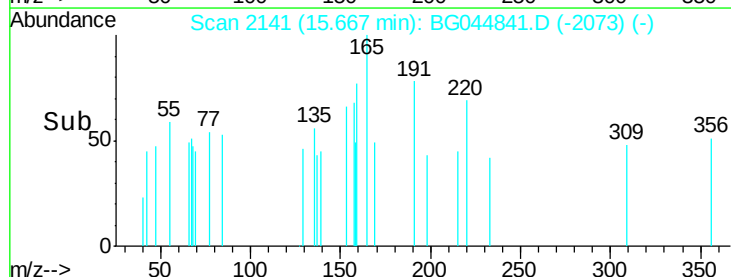
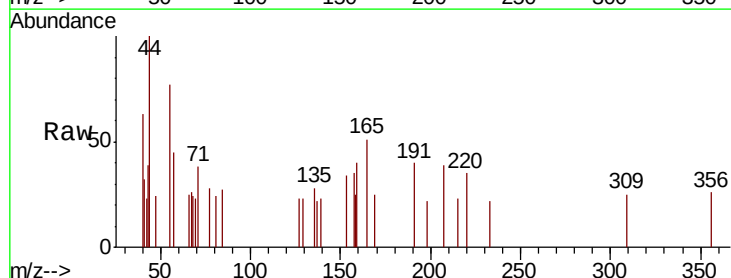
Tgt Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

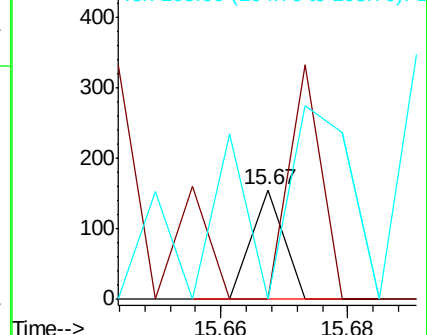
105 0.0 24.5 64.5#

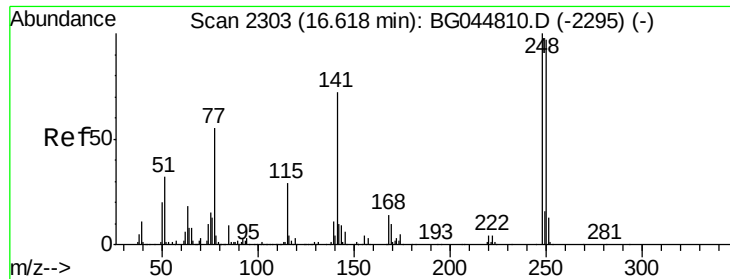


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

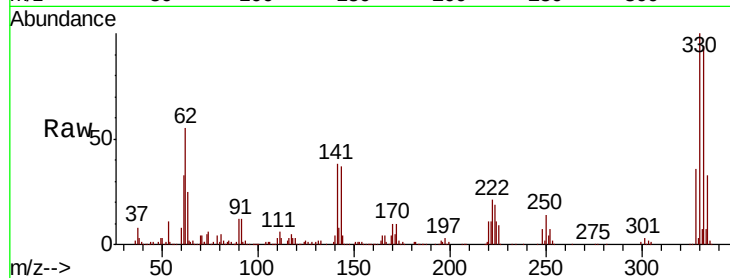




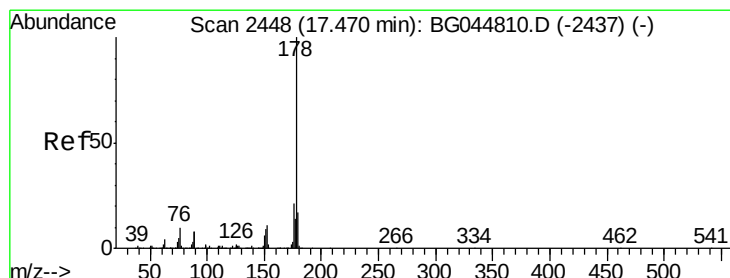
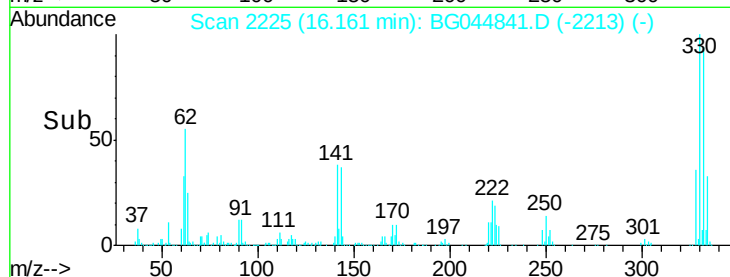
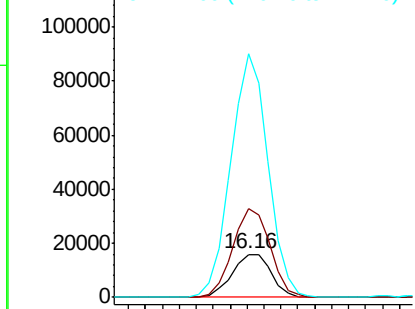
#67
 4-Bromophenyl-phenylether
 Concen: 3.622 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044841.D
 Acq: 17 Mar 2020 20:30

Instrument :
 BNA_N
 ClientSampleID :

Tot Ion:248 Resp: 25634
 Ion Ratio Lower Upper
 248 100
 250 205.4 77.9 116.9#
 141 566.6 57.5 86.3#

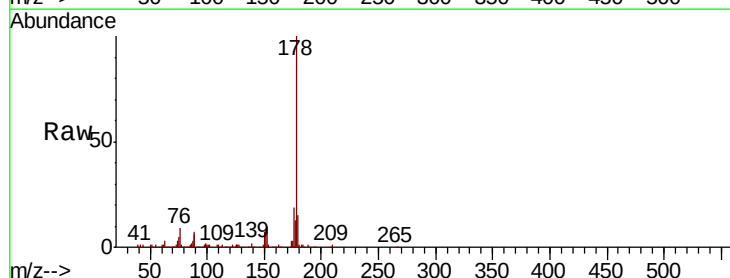


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

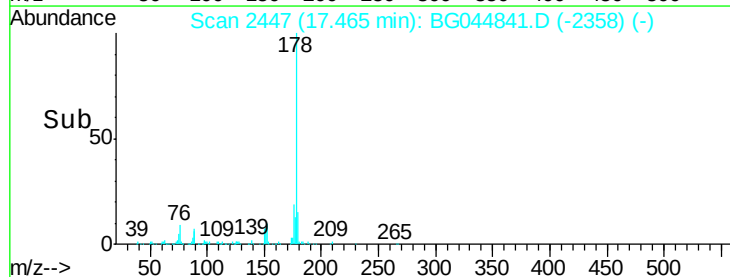
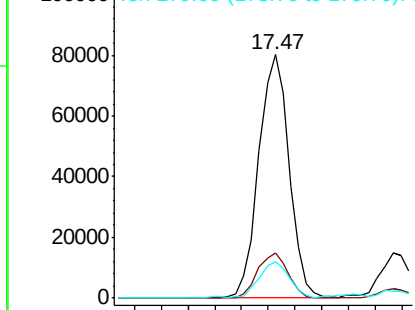


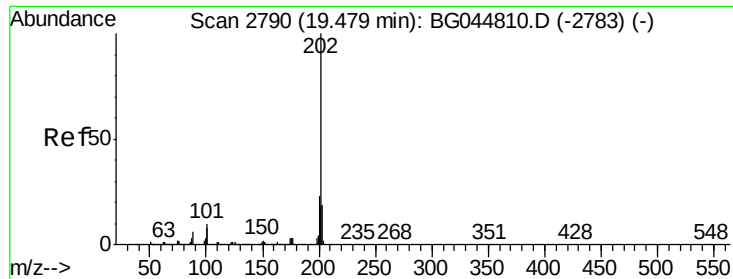
#71
 Phenanthrene
 Concen: 4.169 ng
 RT: 17.47 min Scan# 2447
 Delta R.T. -0.00 min
 Lab File: BG044841.D
 Acq: 17 Mar 2020 20:30

Tgt Ion:178 Resp: 126128
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.6 24.8
 179 15.1 13.5 20.3



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.603 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Instrument :

BNA_N

ClientSampled :

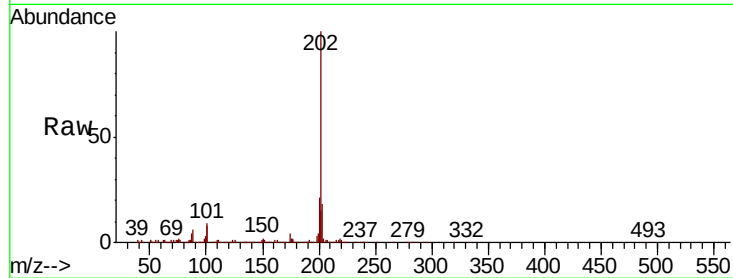
Tot Ion:202 Resp: 273896

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.8

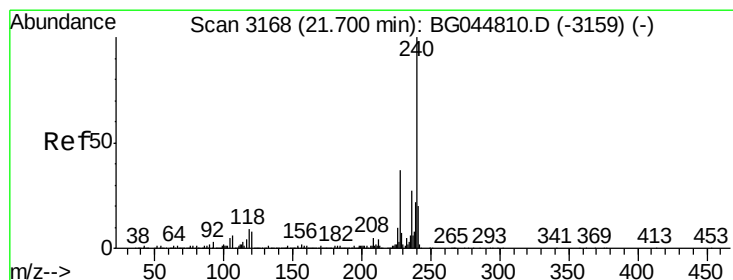
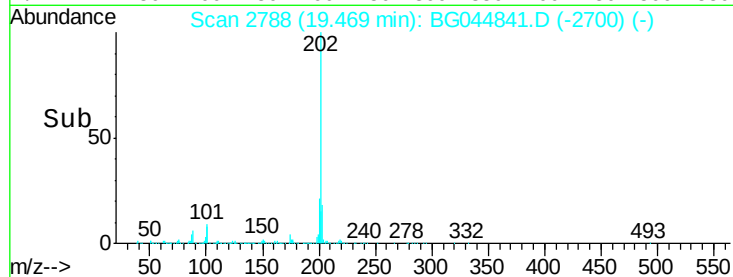
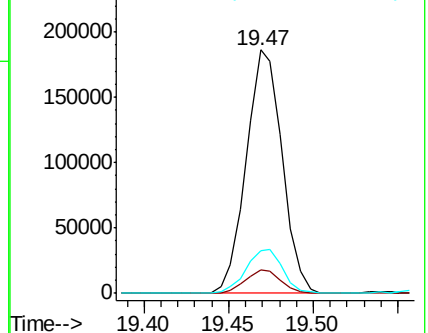
203 17.7 0.0 39.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

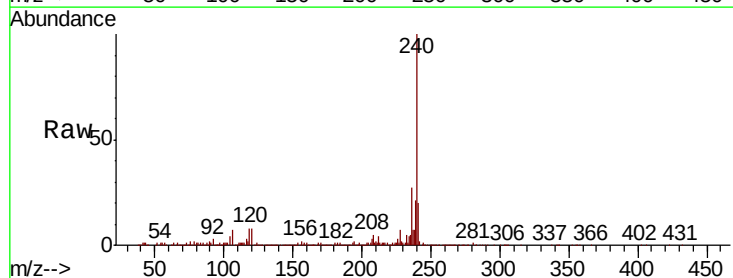
Tgt Ion:240 Resp: 473618

Ion Ratio Lower Upper

240 100

120 8.0 6.7 10.1

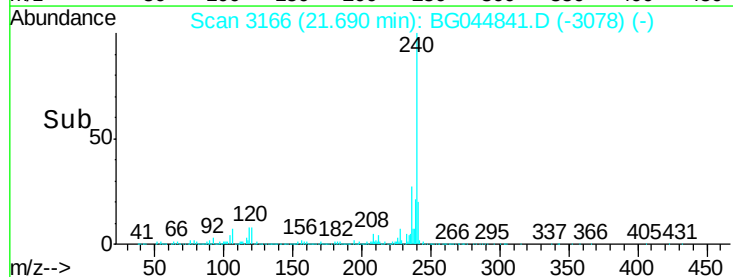
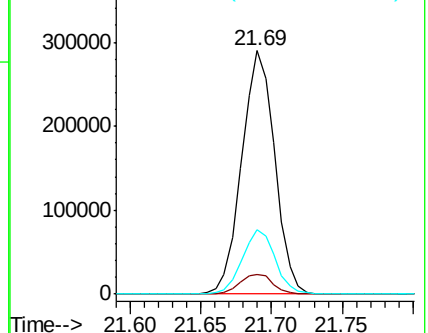
236 26.7 21.5 32.3

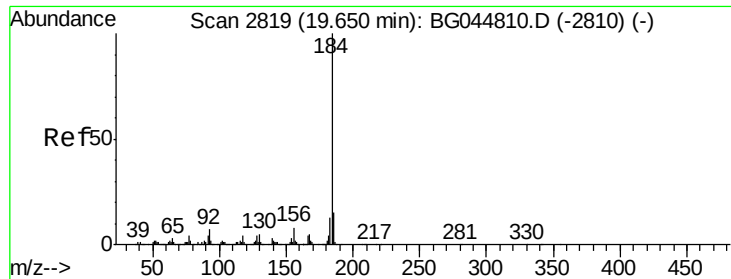


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.229 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Instrument :

BNA_N

ClientSampleId :

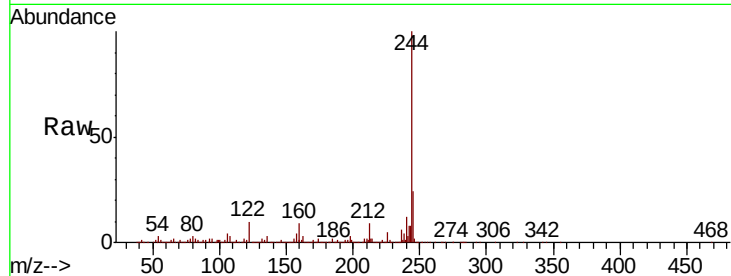
Tot Ion:184 Resp: 34276

Ion Ratio Lower Upper

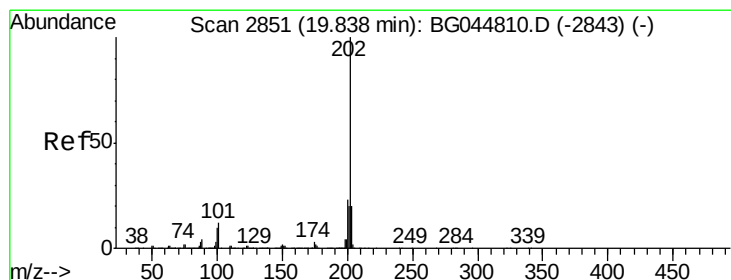
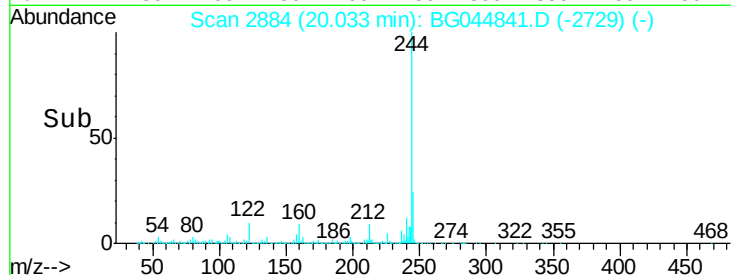
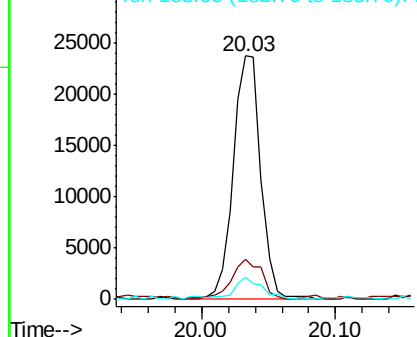
184 100

185 16.5 12.2 18.4

183 9.0 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.786 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

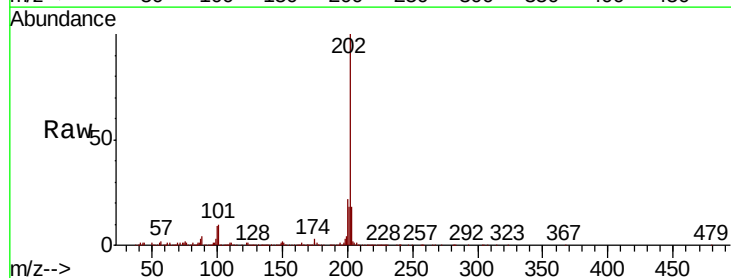
Tgt Ion:202 Resp: 270559

Ion Ratio Lower Upper

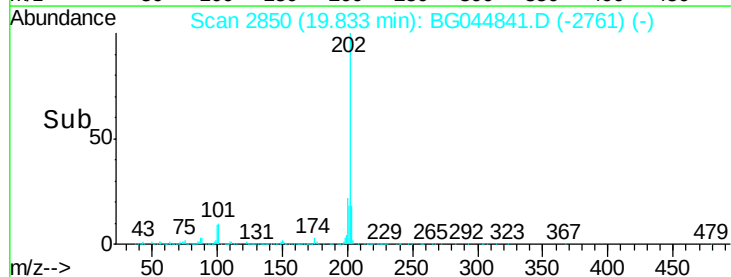
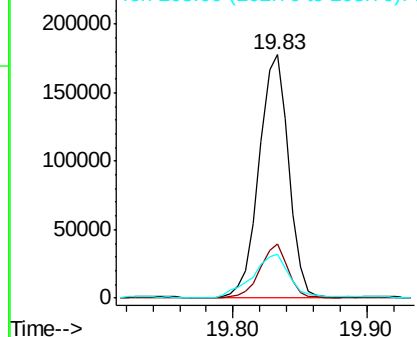
202 100

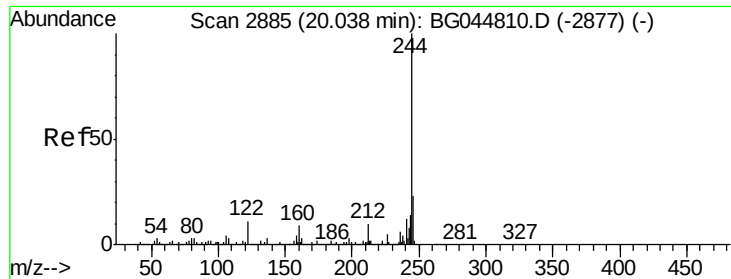
200 22.1 18.3 27.5

203 17.9 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: 71.044 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Instrument :

BNA_N

ClientSampleId :

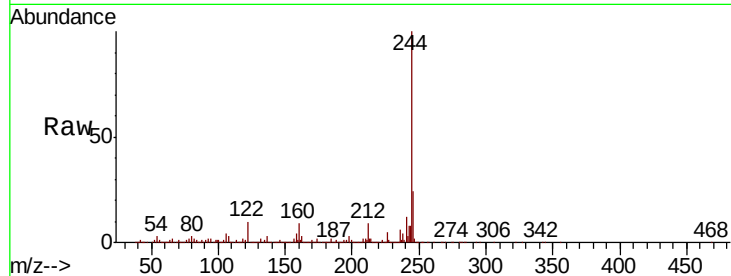
Tot Ion:244 Resp: 1798807

Ion Ratio Lower Upper

244 100

212 9.1 7.7 11.5

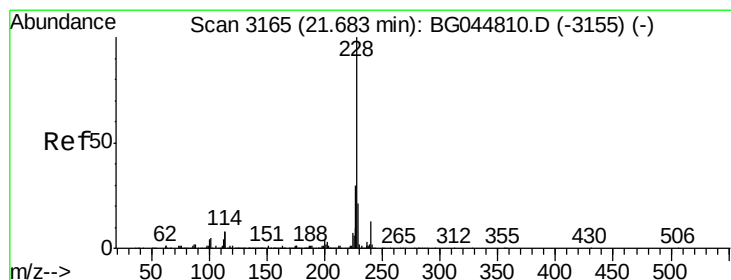
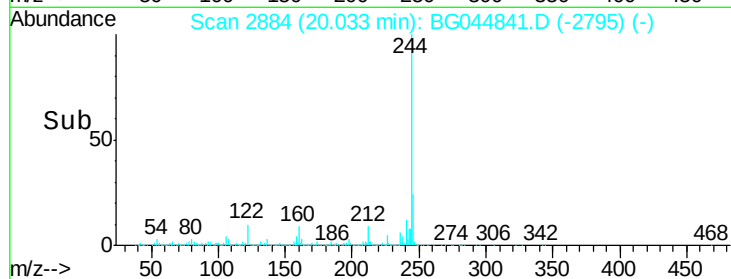
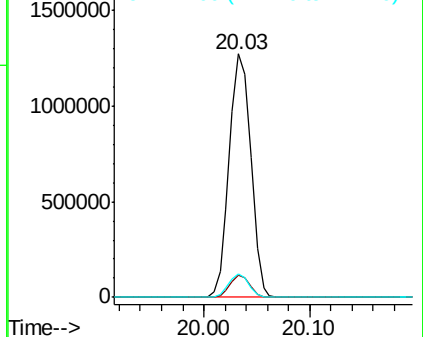
122 9.7 8.6 12.8



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: 4.134 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

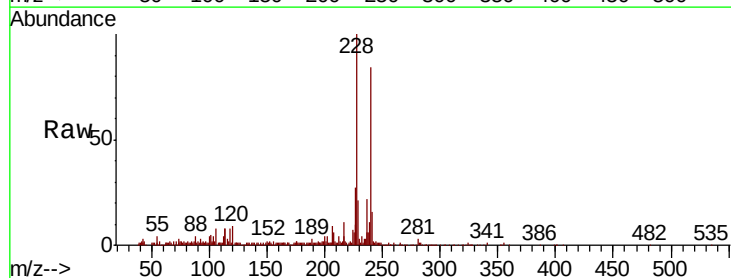
Tgt Ion:228 Resp: 140991

Ion Ratio Lower Upper

228 100

226 27.2 23.6 35.4

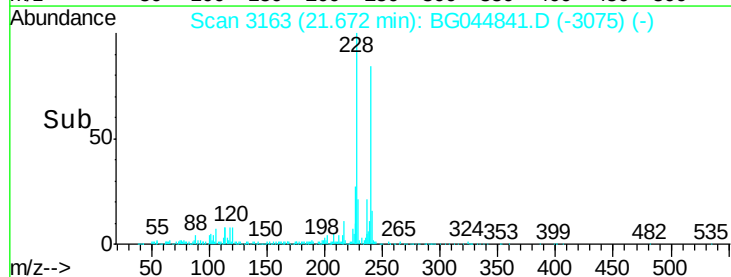
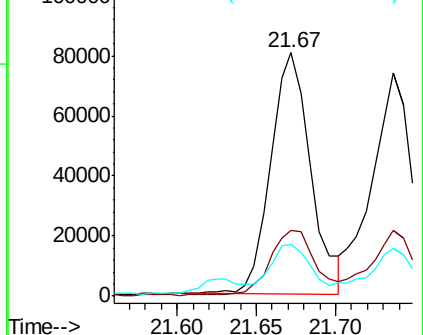
229 21.2 17.1 25.7

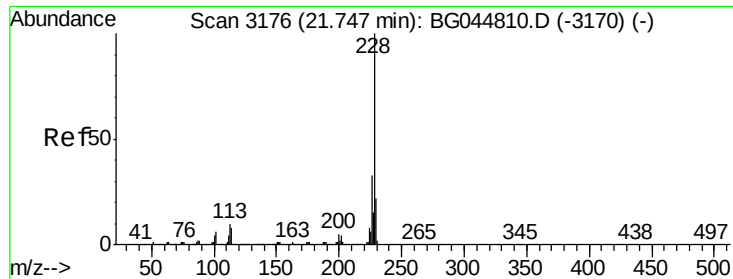


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.002 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Instrument :

BNA_N

ClientSampleId :

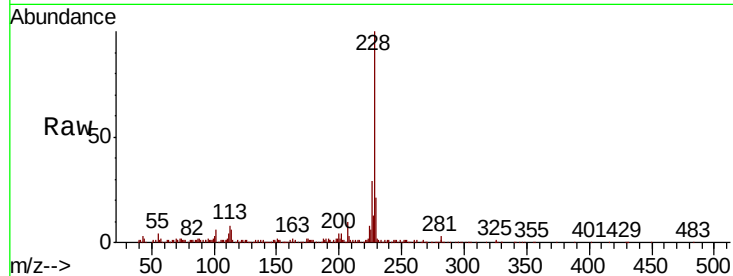
Tot Ion:228 Resp: 130372

Ion Ratio Lower Upper

228 100

226 29.4 25.9 38.9

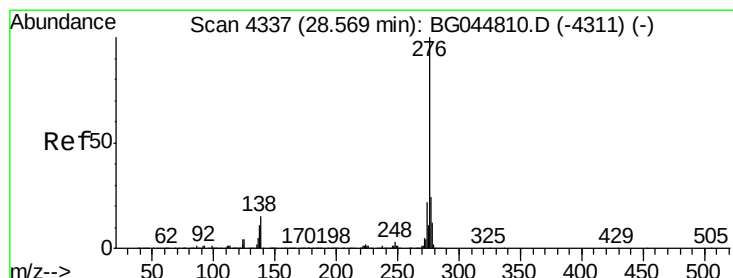
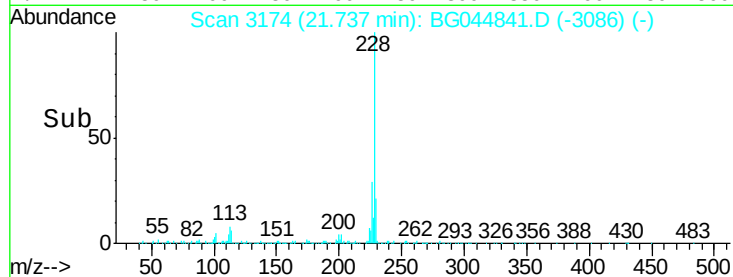
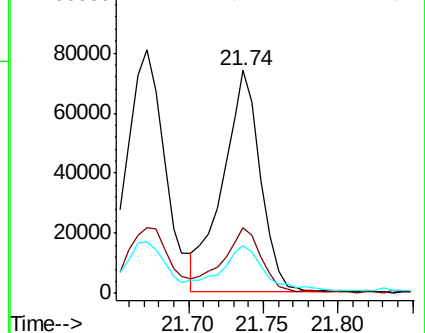
229 21.5 17.4 26.0



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: 2.254 ng

RT: 28.53 min Scan# 4331

Delta R.T. -0.03 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

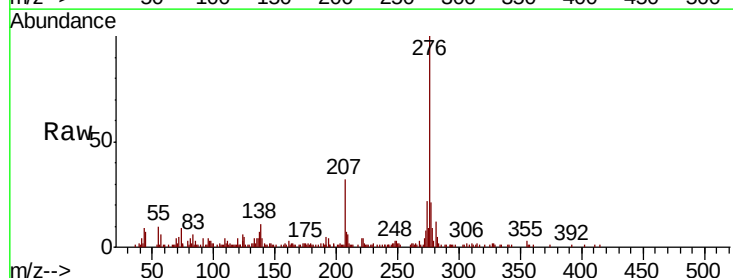
Tgt Ion:276 Resp: 96256

Ion Ratio Lower Upper

276 100

138 6.2 7.4 11.0#

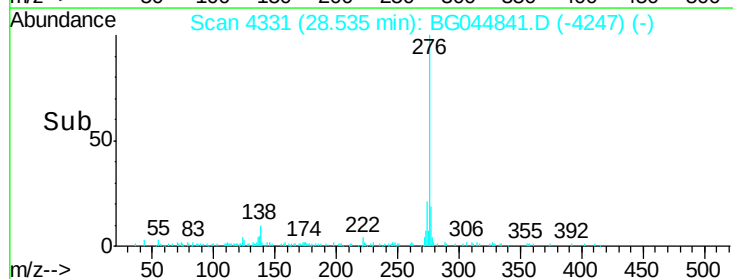
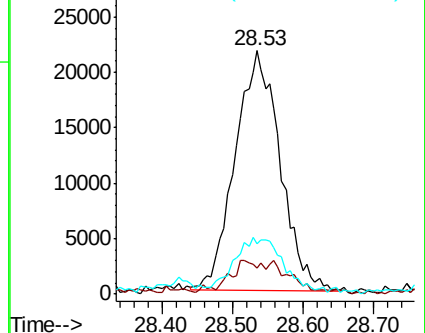
277 10.2 20.8 31.2#

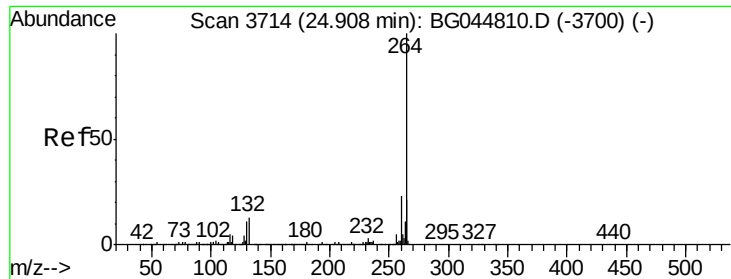


Abundance Ion 276.00 (275.70 to 276.70): E

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# 3712

Delta R.T. -0.01 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

Instrument :

BNA_N

ClientSampled :

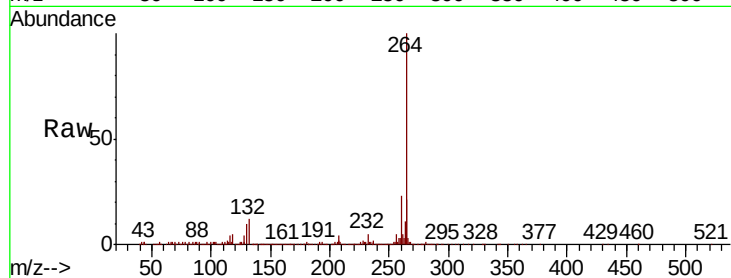
Tot Ion:264 Resp: 542070

Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

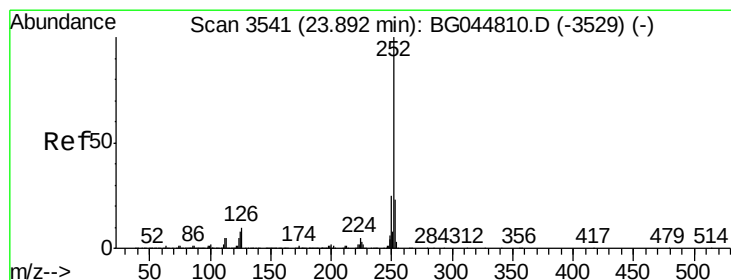
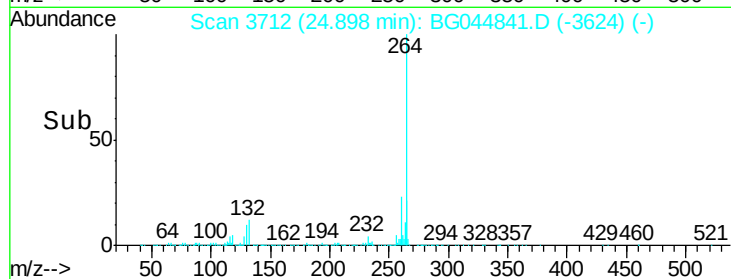
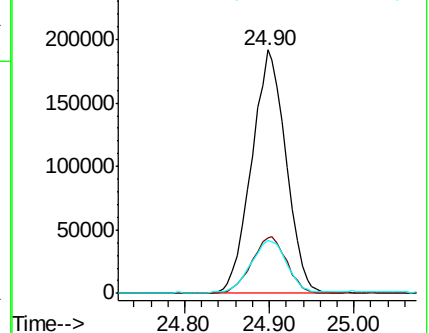
265 21.5 17.1 25.7



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



#88

Benzo(b)fluoranthene

Concen: 5.050 ng

RT: 23.89 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BG044841.D

Acq: 17 Mar 2020 20:30

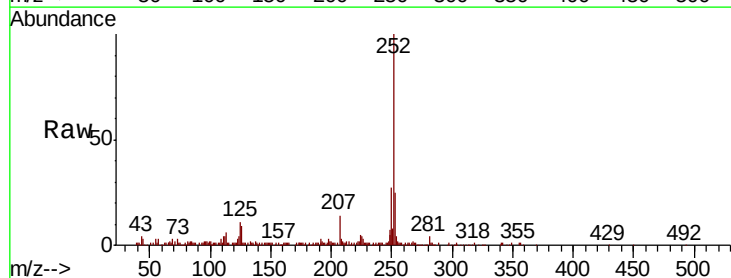
Tgt Ion:252 Resp: 180716

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

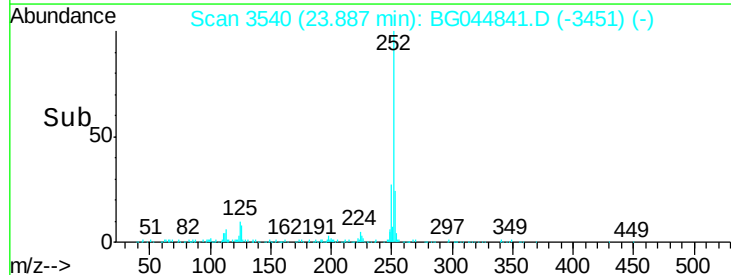
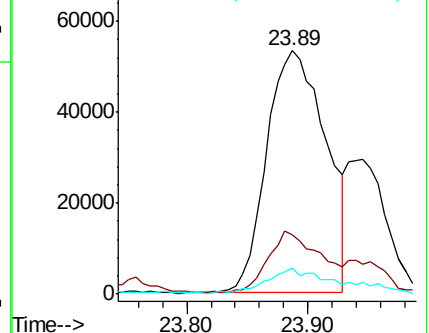
125 10.7 6.6 9.8#

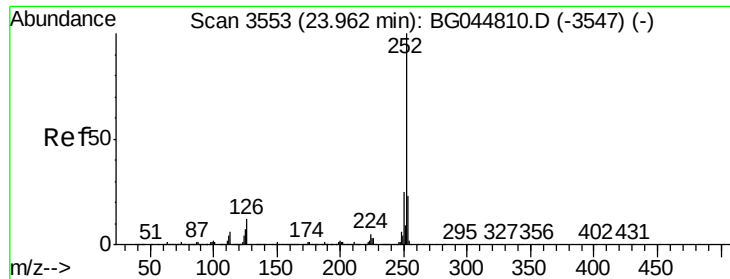


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

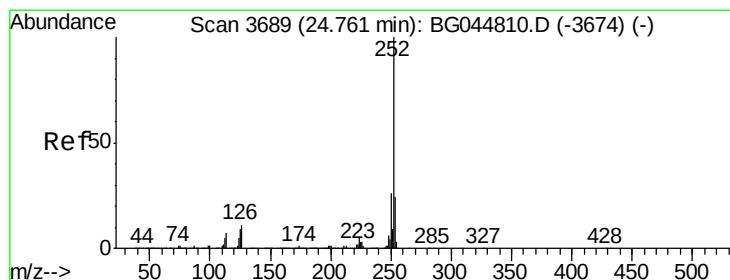
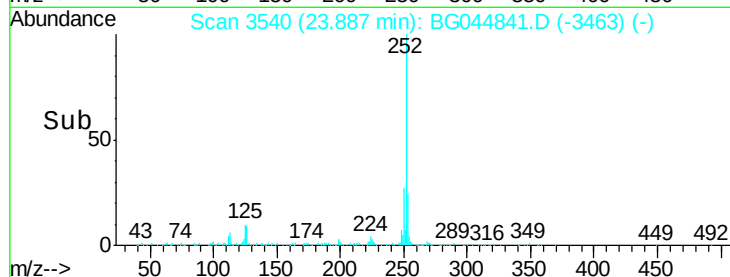
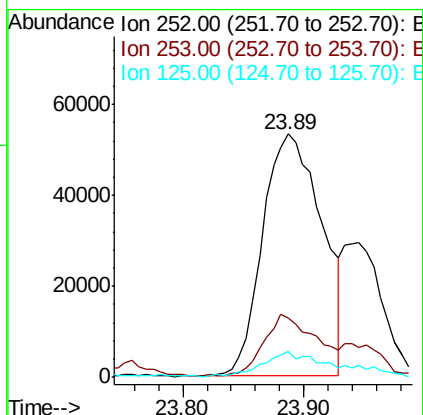
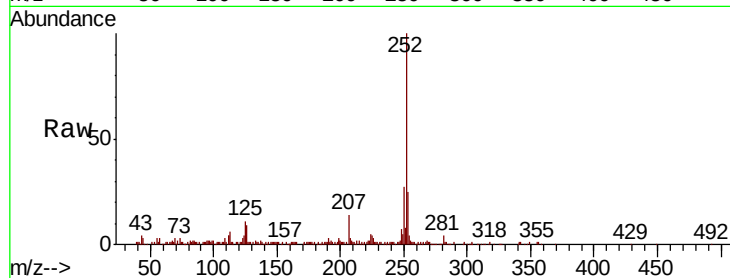




#89
Benzo(k)fluoranthene
Concen: 5.336 ng
RT: 23.89 min Scan# 3540
Delta R.T. -0.08 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

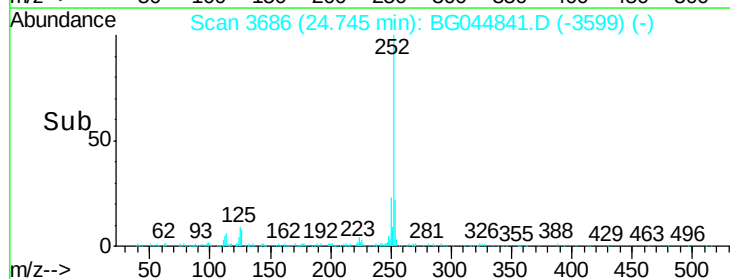
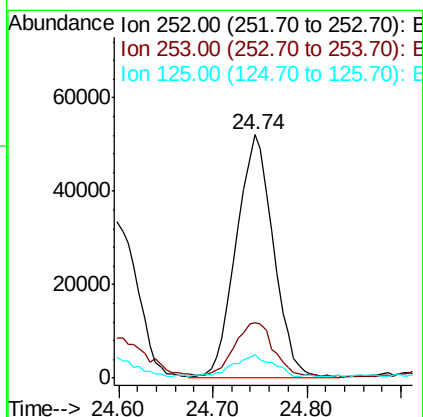
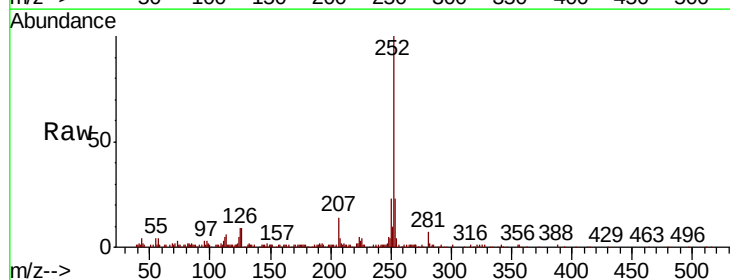
Instrument :
BNA_N
ClientSampleId :

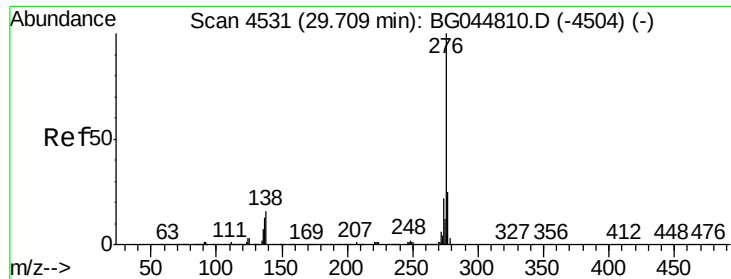
Tot Ion:252 Resp: 180716
Ion Ratio Lower Upper
252 100
253 24.6 18.5 27.7
125 10.7 6.2 9.2#



#90
Benzo(a)pyrene
Concen: 4.291 ng
RT: 24.74 min Scan# 3686
Delta R.T. -0.02 min
Lab File: BG044841.D
Acq: 17 Mar 2020 20:30

Tgt Ion:252 Resp: 143685
Ion Ratio Lower Upper
252 100
253 22.9 19.4 29.0
125 9.5 7.2 10.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.740 ng
 RT: 29.67 min Scan# 4524
 Delta R.T. -0.04 min
 Lab File: BG044841.D
 Acq: 17 Mar 2020 20:30

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.2	20.1	30.1
138	13.8	13.0	19.6

