

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030220\
 Data File : BG044661.D
 Acq On : 3 Mar 2020 11:20
 Operator : CG/JU
 Sample : L1743-08DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 18:25:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 24 16:11:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	84841	20.00	ng	-0.07
21) Naphthalene-d8	10.61	136	374072	20.00	ng	-0.07
39) Acenaphthene-d10	14.46	164	228851	20.00	ng	-0.06
64) Phenanthrene-d10	17.21	188	449445	20.00	ng	-0.06
76) Chrysene-d12	21.44	240	390956	20.00	ng	-0.06
87) Perylene-d12	24.46	264	452064	20.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	102686	19.42	ng	-0.06
7) Phenol-d6	6.98	99	134136	18.53	ng	-0.07
23) Nitrobenzene-d5	8.96	82	80221	11.05	ng	-0.07
42) 2,4,6-Tribromophenol	15.95	330	47098	14.51	ng	-0.06
45) 2-Fluorobiphenyl	13.08	172	190720	11.93	ng	-0.06
79) Terphenyl-d14	19.83	244	255922	12.39	ng	-0.06

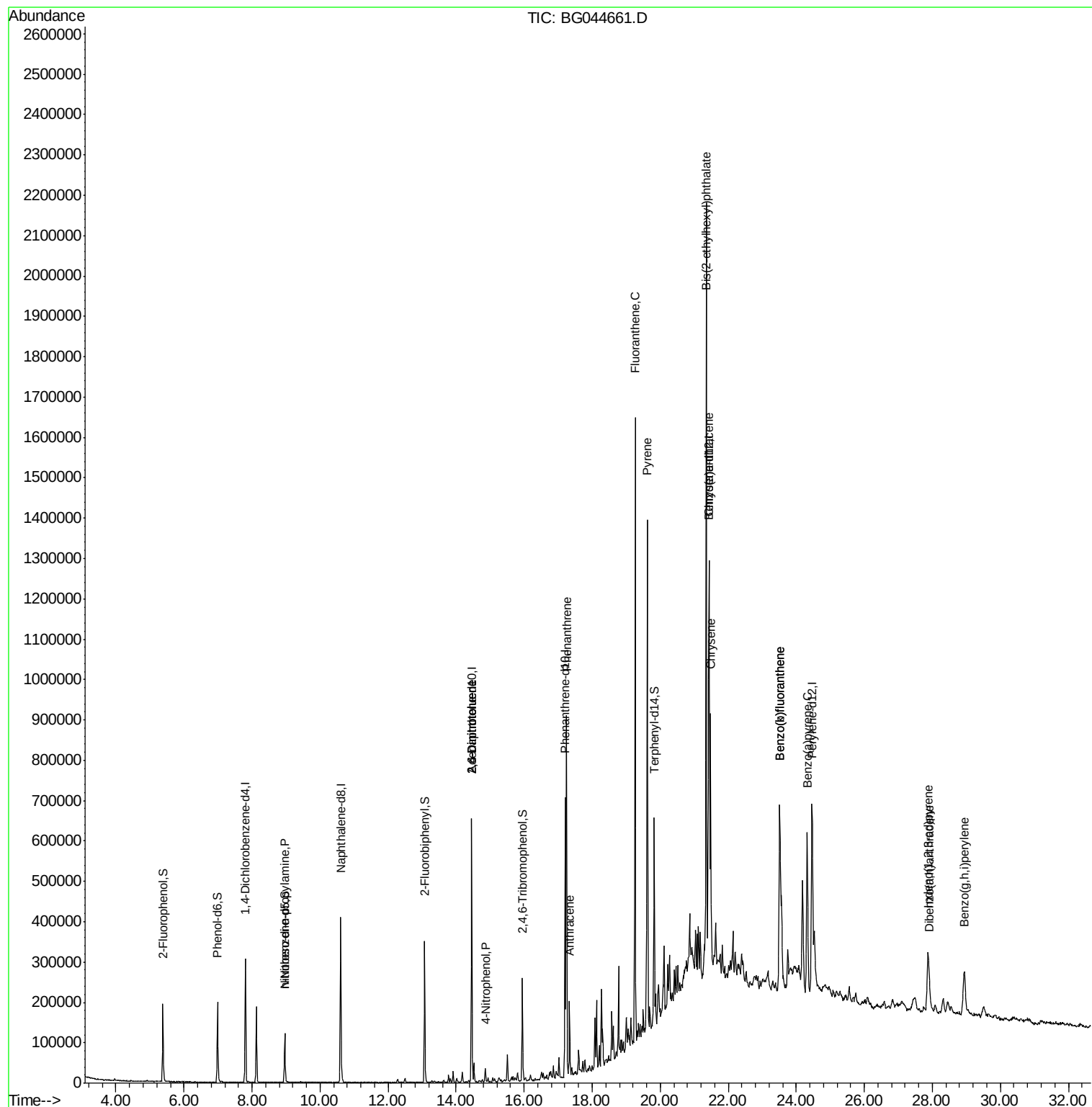
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	8.96	70	10026	2.155	ng	# 74
51) 2,6-Dinitrotoluene	14.46	165	30220	7.418	ng	# 32
56) 4-Nitrophenol	14.86	139	6732	2.228	ng	# 12
57) 2,4-Dinitrotoluene	14.46	165	30220	5.276	ng	# 31
71) Phenanthrene	17.25	178	557572	22.408	ng	100
72) Anthracene	17.33	178	115368	4.705	ng	99
75) Fluoranthene	19.26	202	917289	31.141	ng	99
78) Pyrene	19.62	202	813931	28.680	ng	100
81) Benzo(a)anthracene	21.42	228	438612	15.963	ng	97
83) Chrysene	21.48	228	407793	15.350	ng	98
84) Bis(2-ethylhexyl)phthalate	21.35	149	785128	45.901	ng	99
86) Indeno(1,2,3-cd)pyrene	27.87	276	246686	7.235	ng	94
88) Benzo(b)fluoranthene	23.52	252	544275	18.312	ng	97
89) Benzo(k)fluoranthene	23.52	252	544275	18.873	ng	# 98
90) Benzo(a)pyrene	24.32	252	406126	14.543	ng	98
91) Dibenzo(a,h)anthracene	27.92	278	59308	2.147	ng	92
92) Benzo(a,h,i)perylene	28.93	276	236873	8.560	ng	98

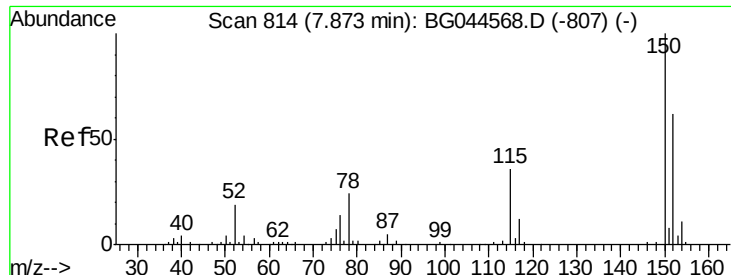
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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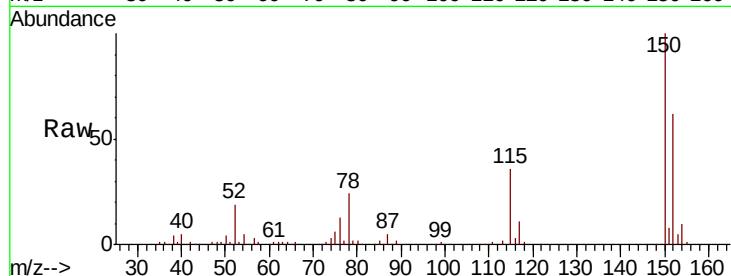


#1

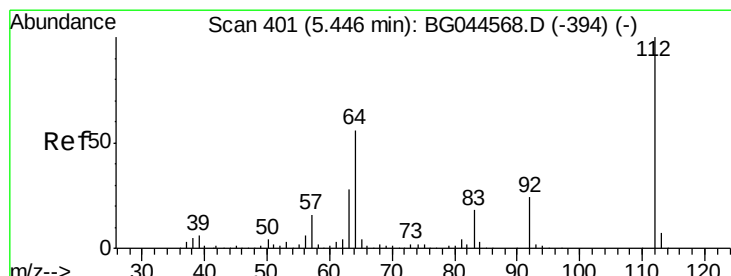
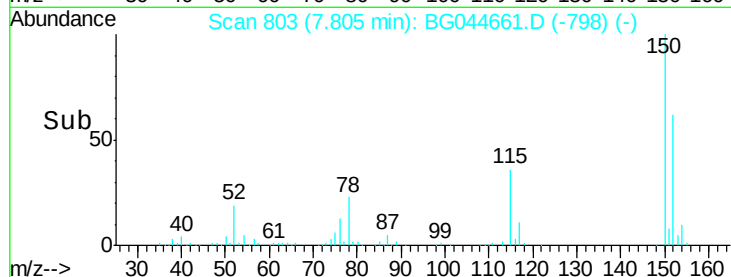
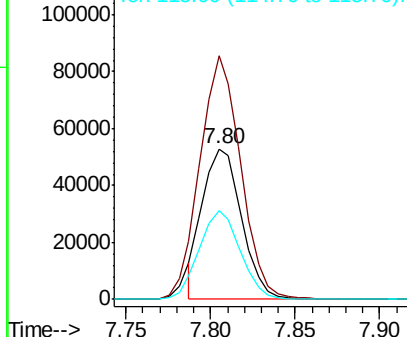
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 803
Delta R.T. -0.07 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 84841
Ion Ratio Lower Upper
152 100
150 161.4 128.9 193.3
115 58.8 47.0 70.4



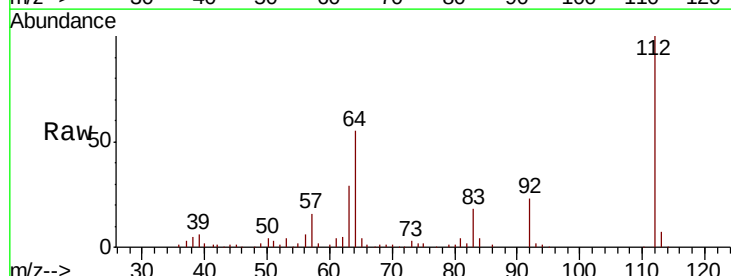
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



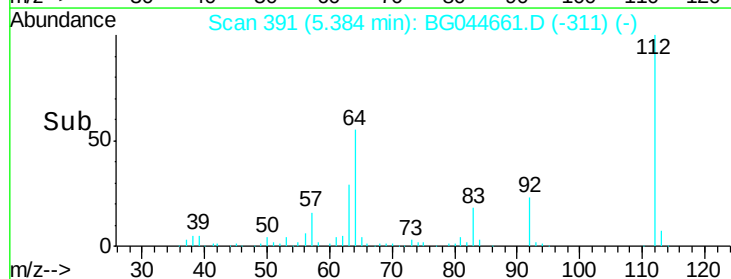
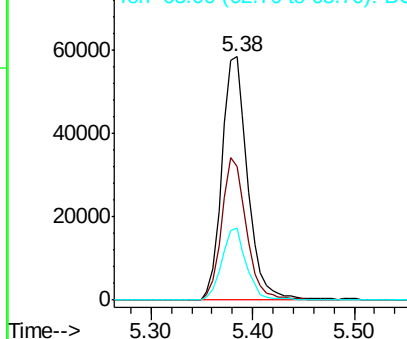
#5

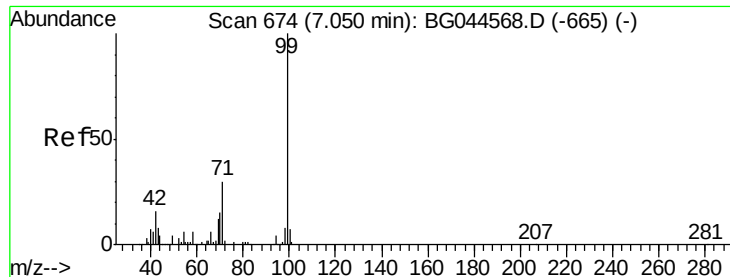
2-Fluorophenol
Concen: 19.419 ng
RT: 5.38 min Scan# 391
Delta R.T. -0.06 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Tgt Ion:112 Resp: 102686
Ion Ratio Lower Upper
112 100
64 54.7 44.8 67.2
63 29.4 22.3 33.5



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: 18.532 ng

RT: 6.98 min Scan# 663

Delta R.T. -0.07 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampleId :

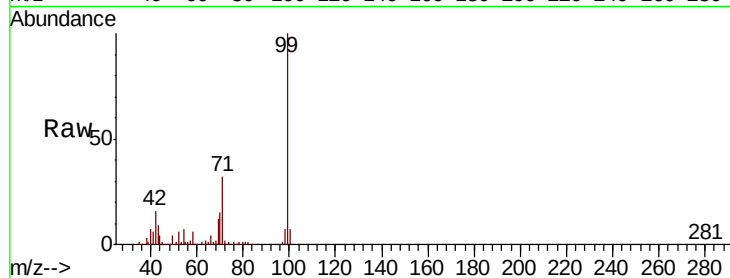
Tot Ion: 99 Resp: 134136

Ion Ratio Lower Upper

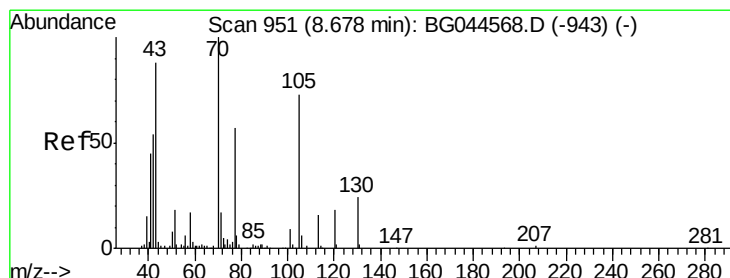
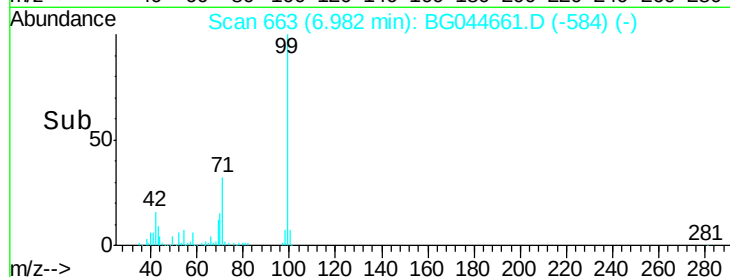
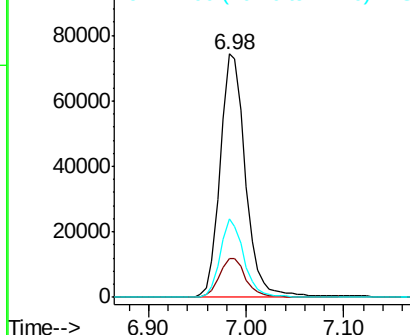
99 100

42 16.0 12.8 19.2

71 32.3 24.4 36.6



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: 2.155 ng

RT: 8.96 min Scan# 1000

Delta R.T. 0.28 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Tgt Ion: 70 Resp: 10026

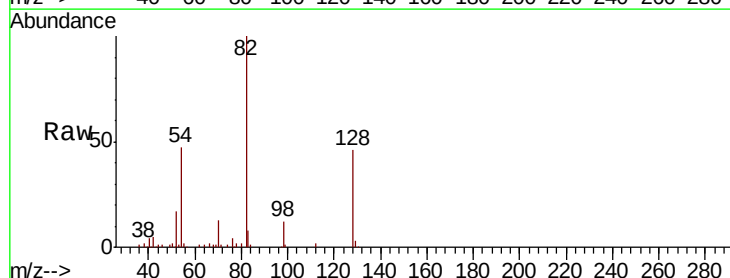
Ion Ratio Lower Upper

70 100

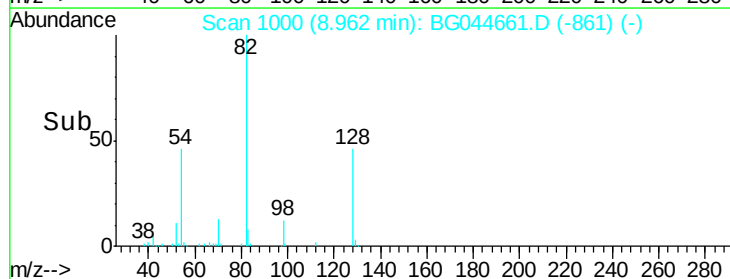
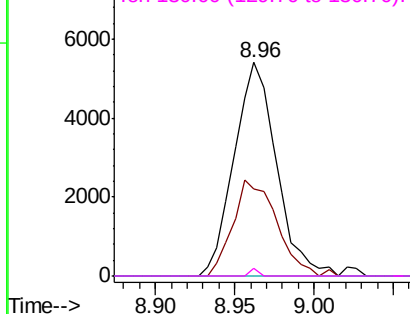
42 40.5 43.4 65.0#

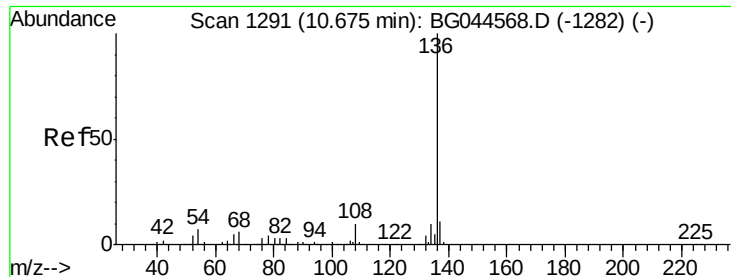
101 0.0 7.5 11.3#

130 3.8 18.9 28.3#



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: 10.61 min Scan# 1280

Delta R.T. -0.07 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 374072

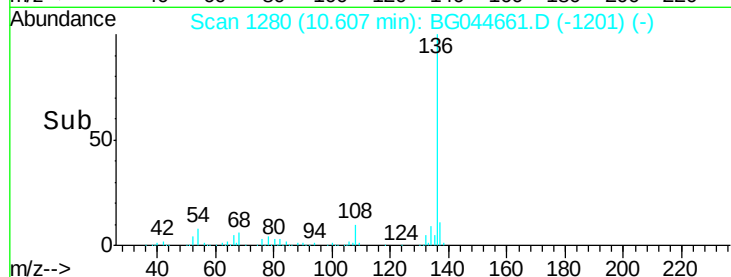
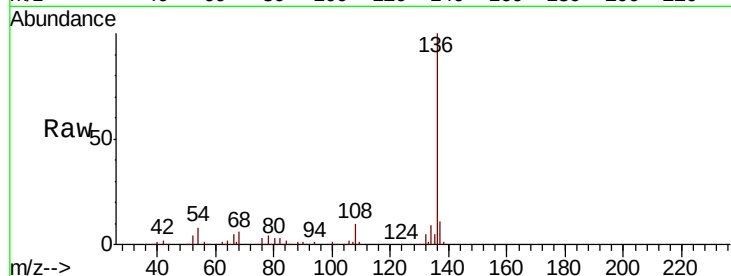
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.5 5.7 8.5

68 6.1 4.5 6.7

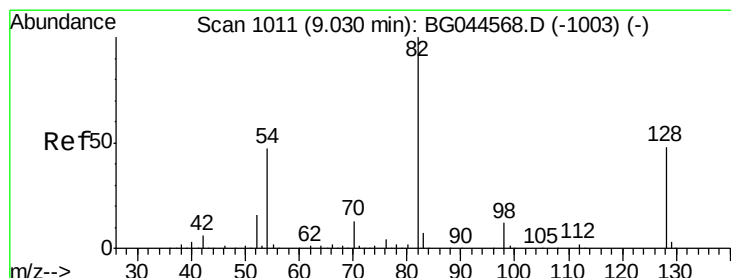
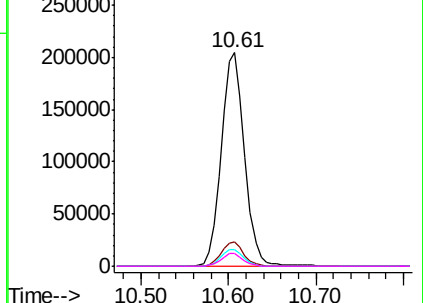


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.048 ng

RT: 8.96 min Scan# 1000

Delta R.T. -0.07 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

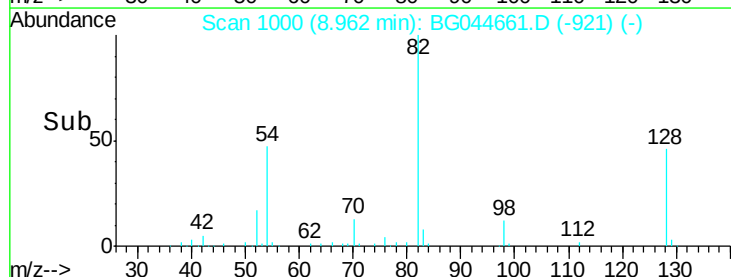
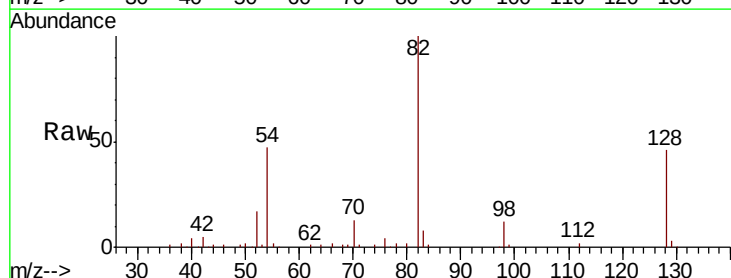
Tgt Ion: 82 Resp: 80221

Ion Ratio Lower Upper

82 100

128 46.2 38.1 57.1

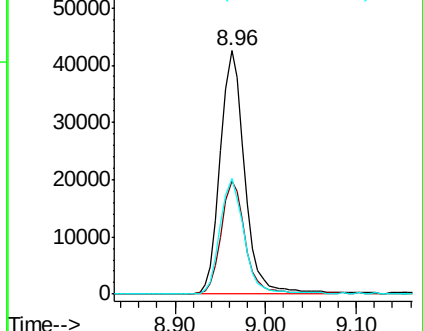
54 47.4 37.5 56.3

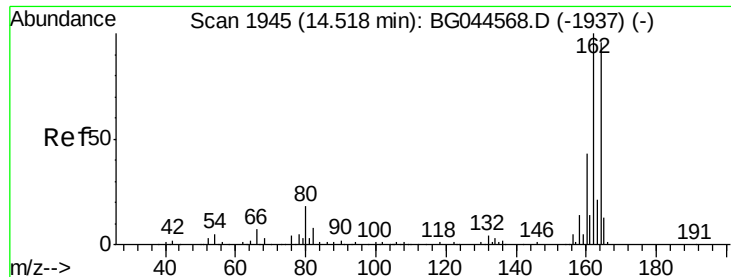


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1935

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampleId :

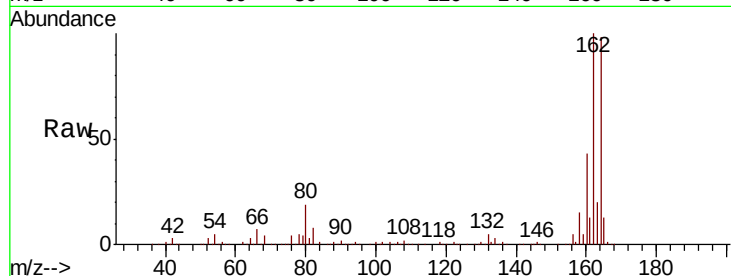
Tot Ion:164 Resp: 228851

Ion Ratio Lower Upper

164 100

162 101.8 83.6 125.4

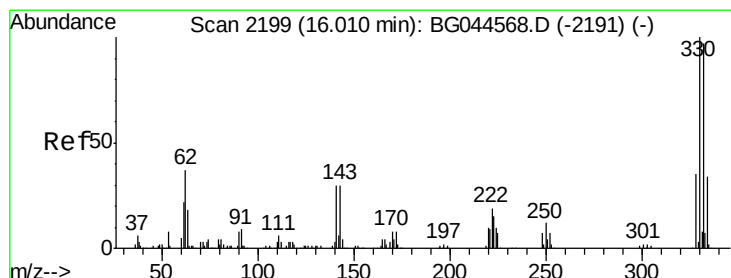
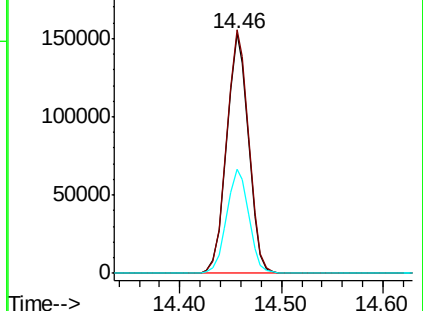
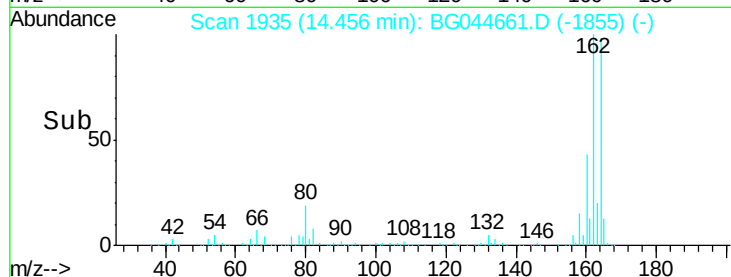
160 43.3 36.2 54.4



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: 14.514 ng

RT: 15.95 min Scan# 2189

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

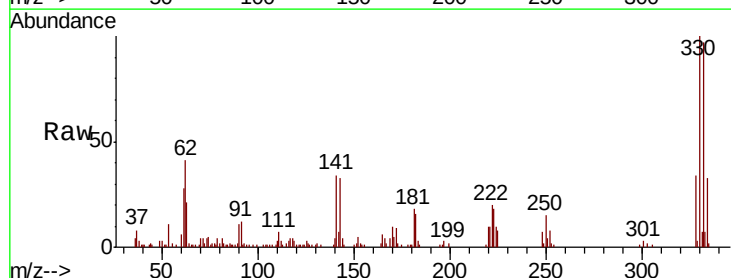
Tgt Ion:330 Resp: 47098

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

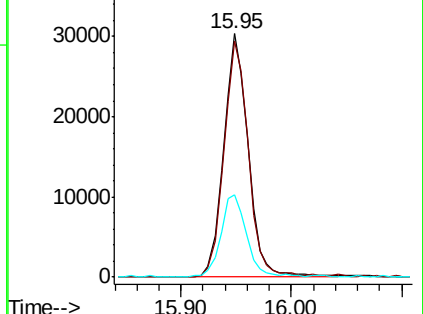
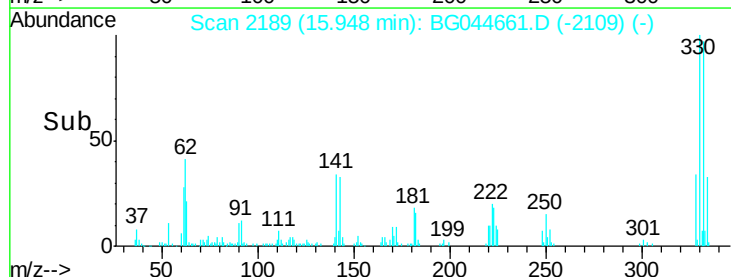
141 35.4 26.1 39.1

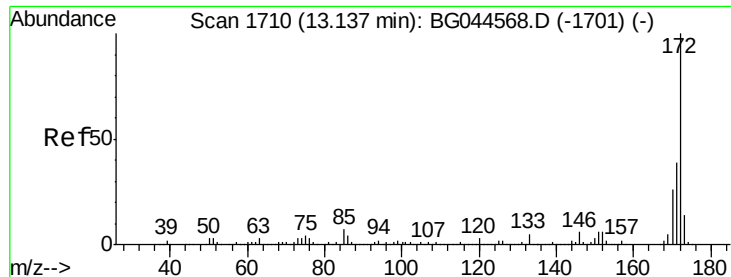


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

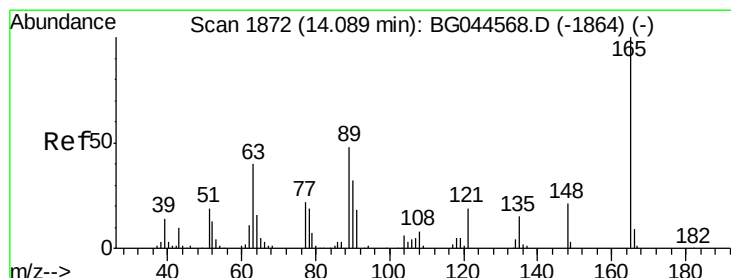
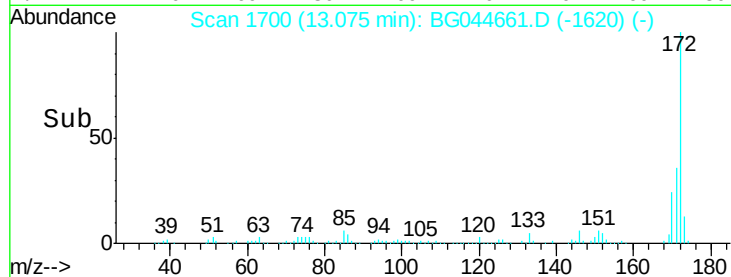
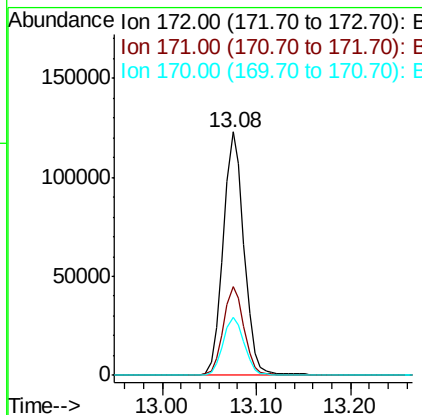
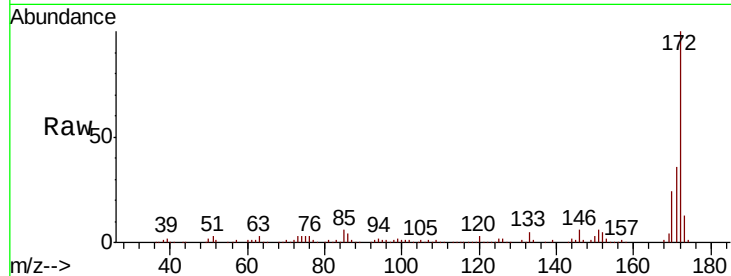




#45
2-Fluorobiphenyl
Concen: 11.934 ng
RT: 13.08 min Scan# 1700
Delta R.T. -0.06 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

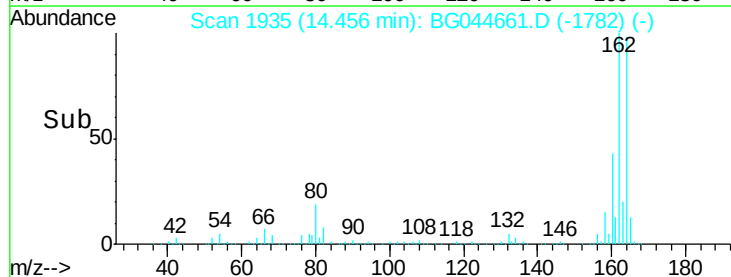
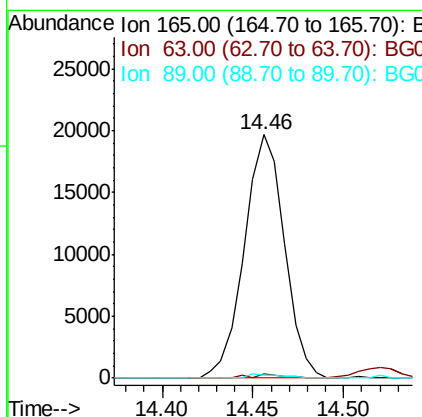
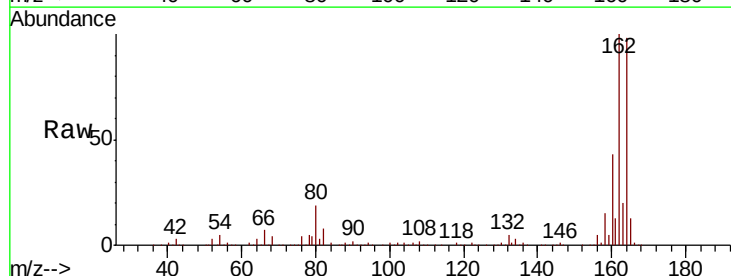
Instrument :
BNA_G
ClientSampleId :

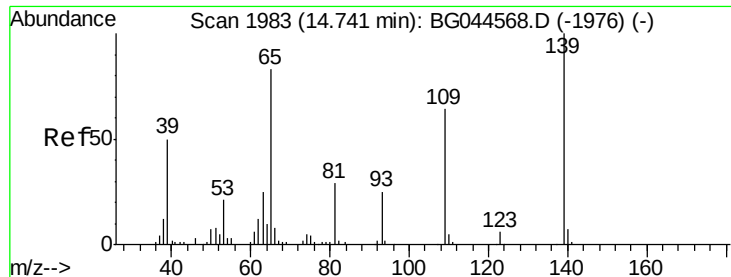
Tot Ion:172 Resp: 190720
Ion Ratio Lower Upper
172 100
171 36.4 31.3 46.9
170 23.9 21.0 31.4



#51
2,6-Dinitrotoluene
Concen: 7.418 ng
RT: 14.46 min Scan# 1935
Delta R.T. 0.37 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Tgt Ion:165 Resp: 30220
Ion Ratio Lower Upper
165 100
63 1.6 35.8 53.6#
89 1.4 38.7 58.1#

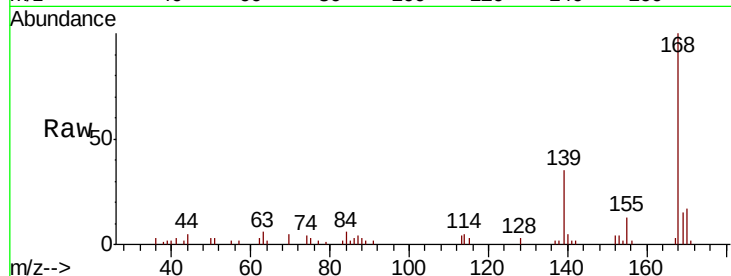




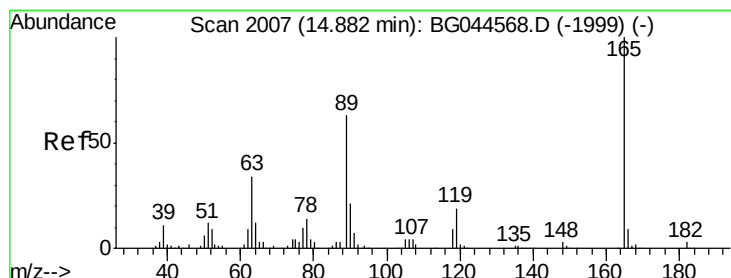
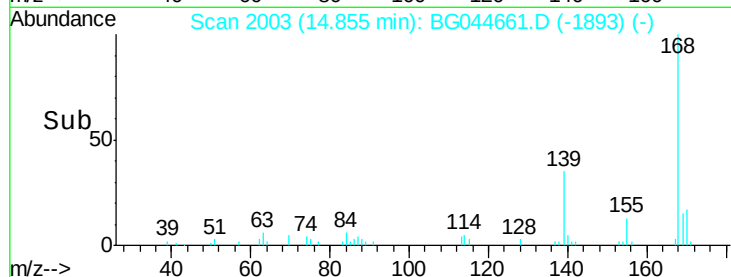
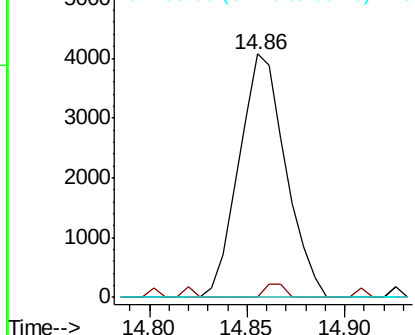
#56
4-Nitrophenol
Concen: 2.228 ng
RT: 14.86 min Scan# 2003
Delta R.T. 0.11 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 6732
Ion Ratio Lower Upper
139 100
109 0.0 43.8 83.8#
65 0.0 63.6 103.6#

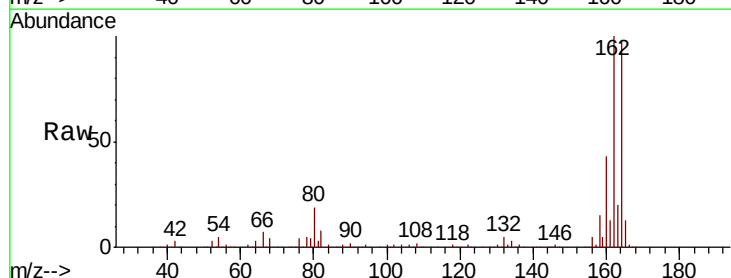


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

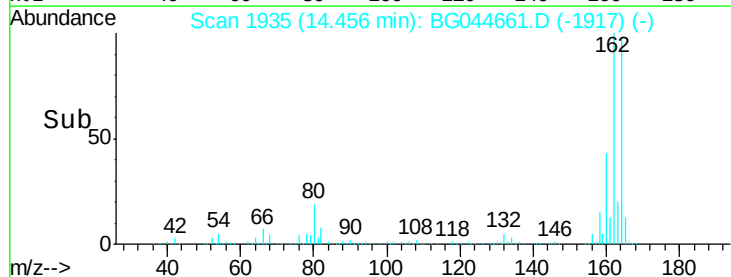
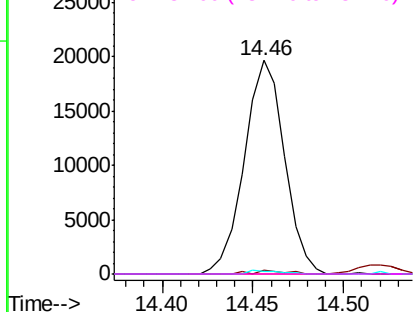


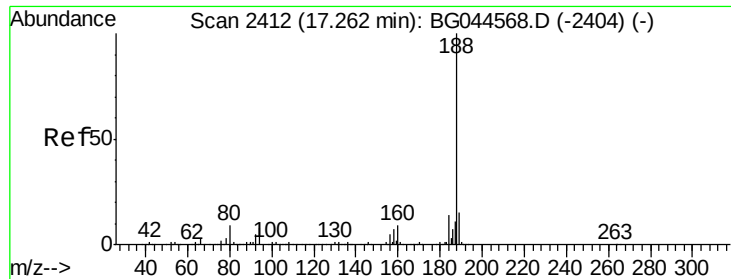
#57
2,4-Dinitrotoluene
Concen: 5.276 ng
RT: 14.46 min Scan# 1935
Delta R.T. -0.43 min
Lab File: BG044661.D
Acq: 3 Mar 2020 11:20

Tgt Ion:165 Resp: 30220
Ion Ratio Lower Upper
165 100
63 1.6 27.5 41.3#
89 1.4 50.0 75.0#
182 0.0 2.3 3.5#



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: 17.21 min Scan# 2403

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampleId :

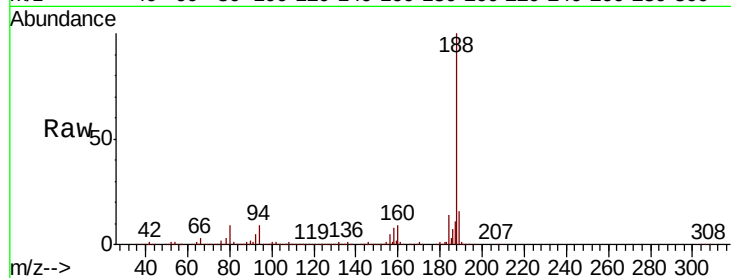
Tot Ion:188 Resp: 449445

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

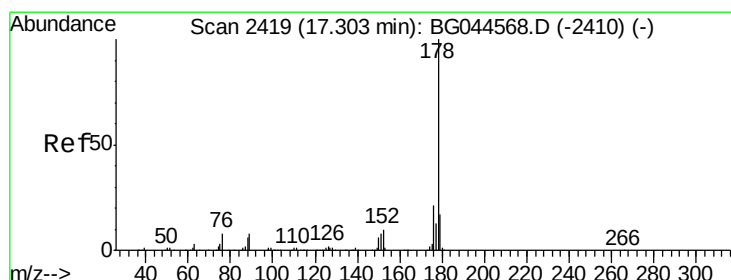
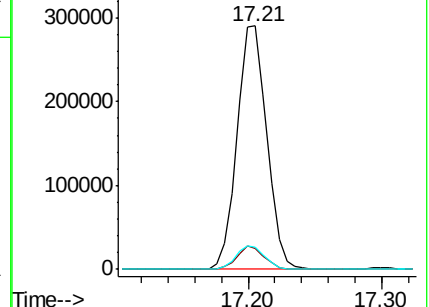
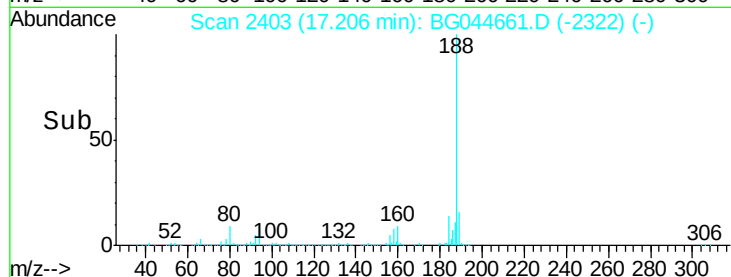
80 9.1 7.6 11.4



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



#71

Phenanthrene

Concen: 22.408 ng

RT: 17.25 min Scan# 2410

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

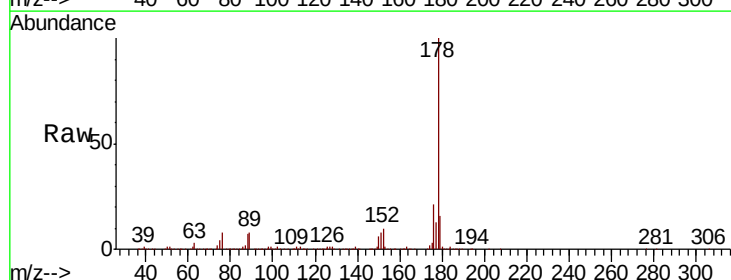
Tgt Ion:178 Resp: 557572

Ion Ratio Lower Upper

178 100

176 20.6 16.6 25.0

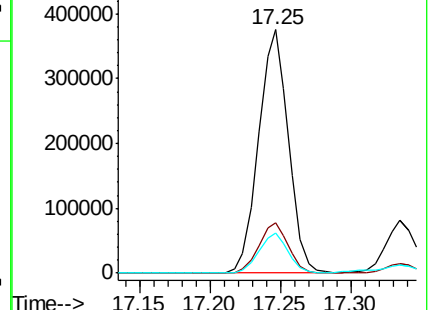
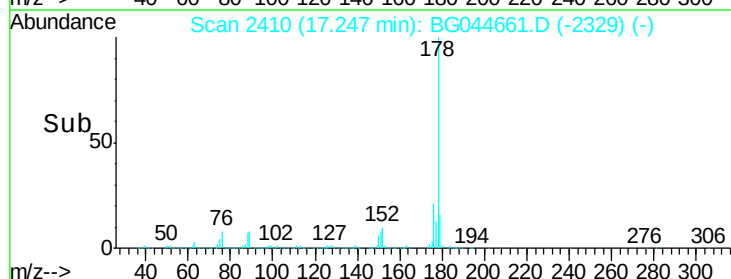
179 16.4 13.3 19.9

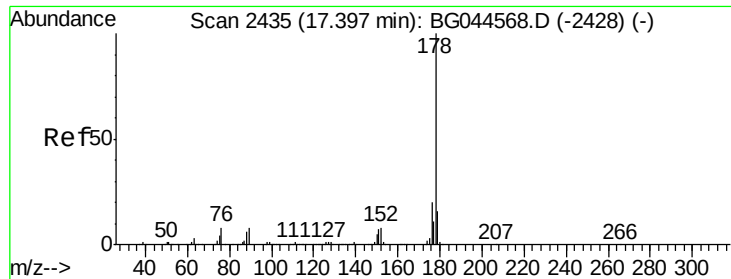


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.705 ng

RT: 17.33 min Scan# 2425

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampleId :

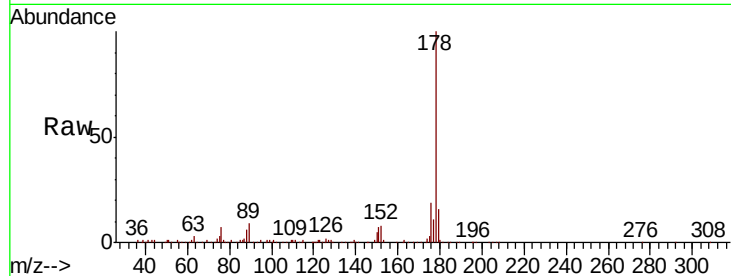
Tot Ion:178 Resp: 115368

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

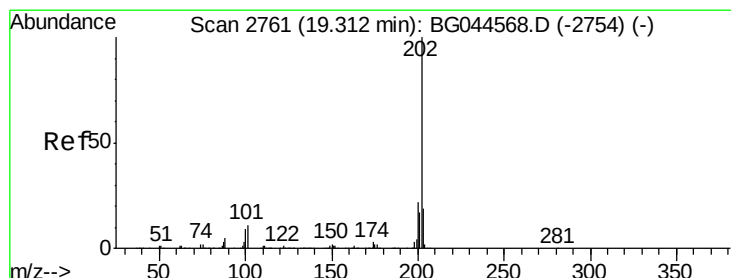
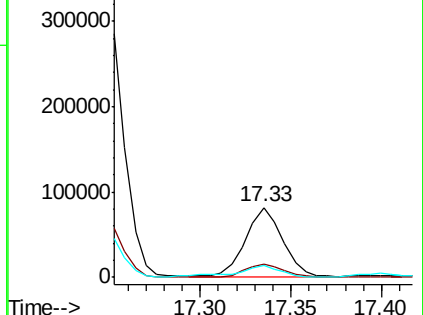
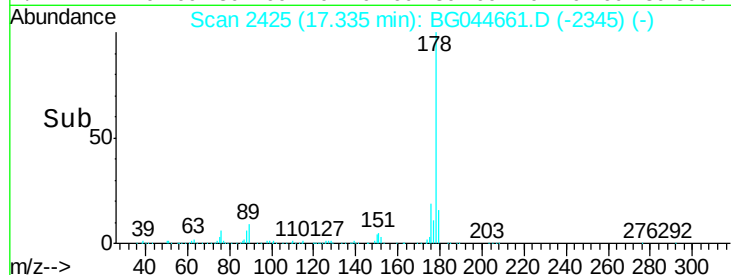
179 16.4 13.1 19.7



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: 31.141 ng

RT: 19.26 min Scan# 2753

Delta R.T. -0.05 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

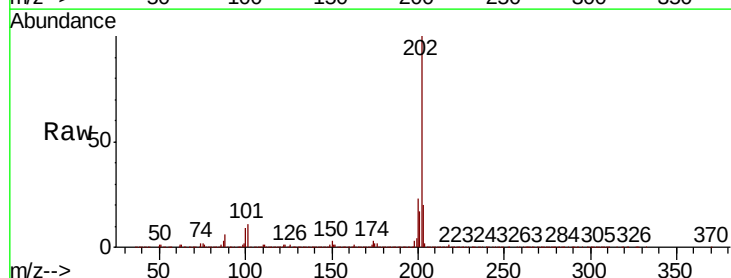
Tgt Ion:202 Resp: 917289

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.0

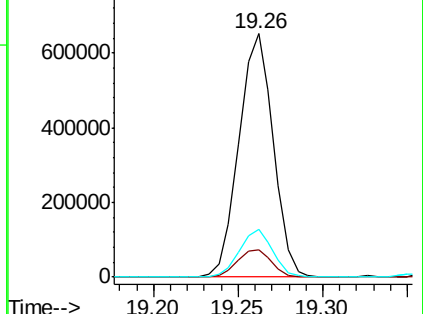
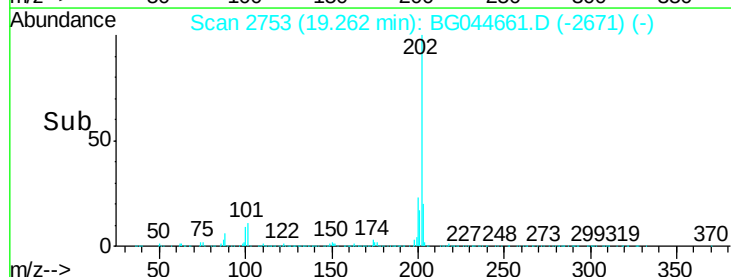
203 19.7 0.0 39.2

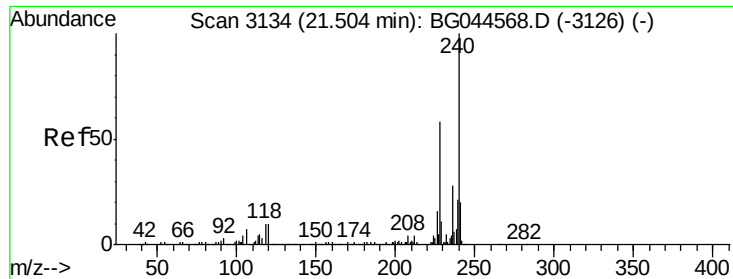


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.44 min Scan# 3124

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampleId :

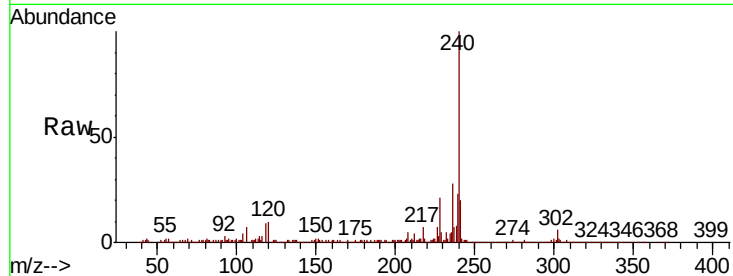
Tot Ion:240 Resp: 390956

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

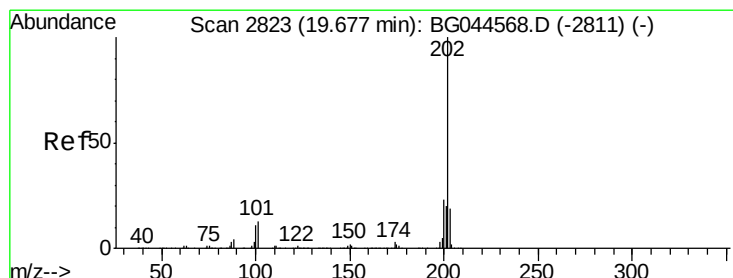
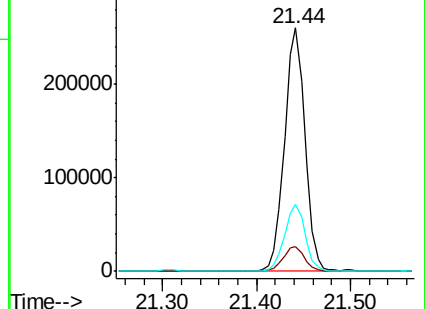
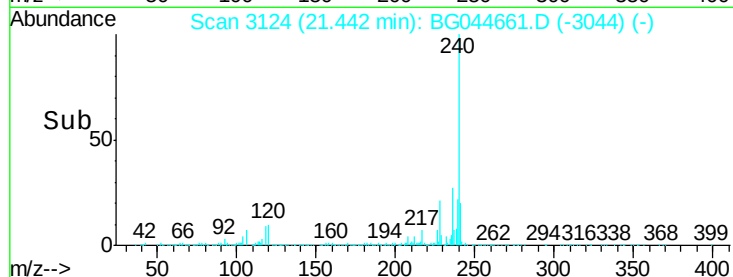
236 27.6 22.3 33.5



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: 28.680 ng

RT: 19.62 min Scan# 2814

Delta R.T. -0.06 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

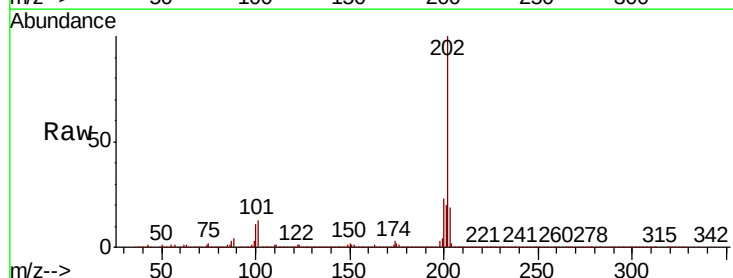
Tgt Ion:202 Resp: 813931

Ion Ratio Lower Upper

202 100

200 23.5 18.6 28.0

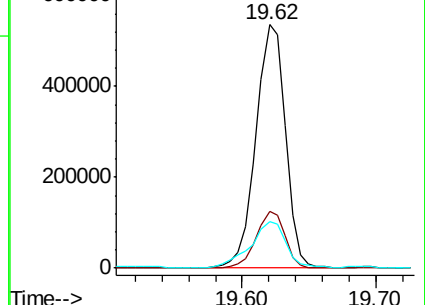
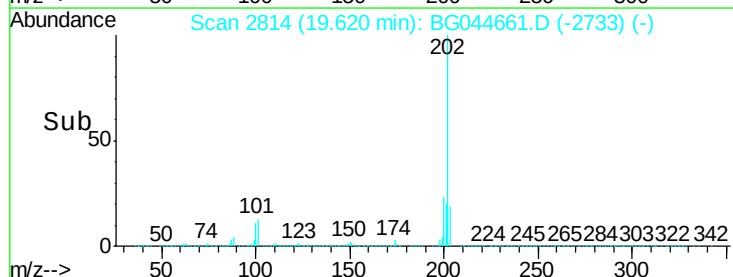
203 19.3 15.3 22.9

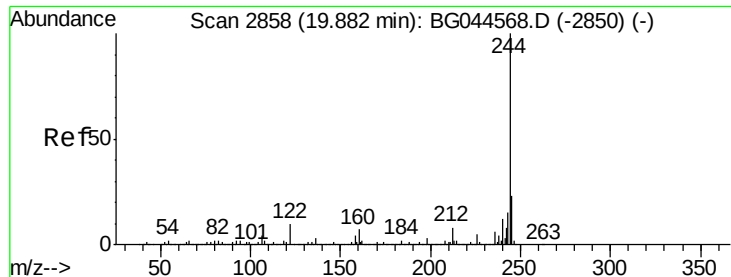


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

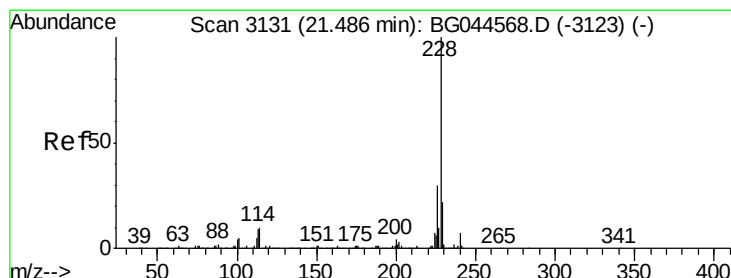
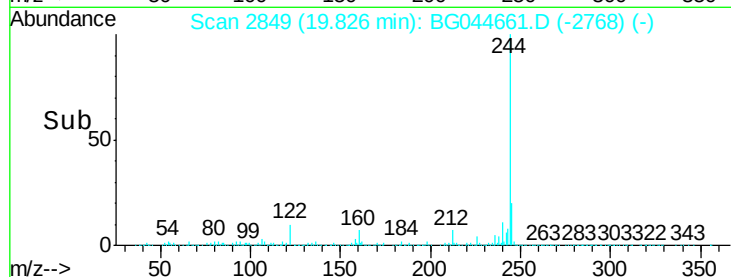
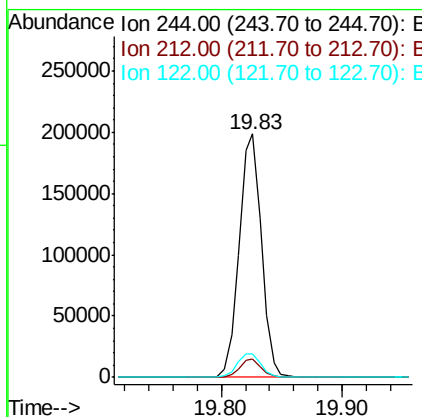
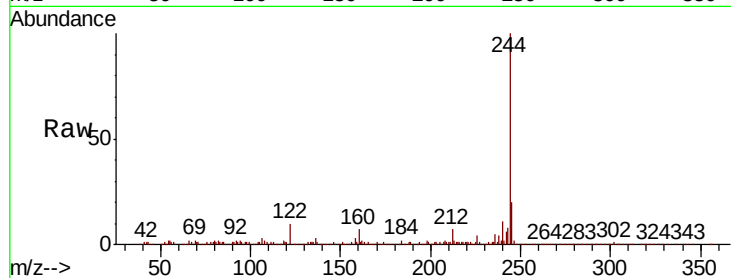




#79
 Terphenyl-d14
 Concen: 12.392 ng
 RT: 19.83 min Scan# 2849
 Delta R.T. -0.06 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

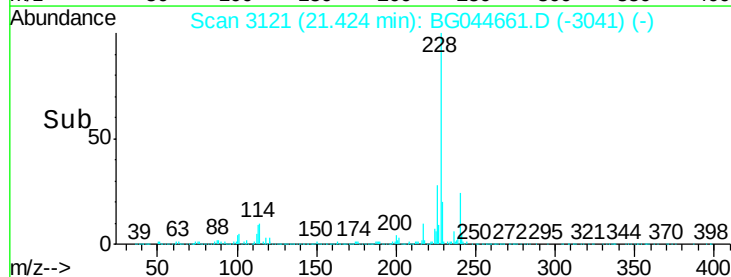
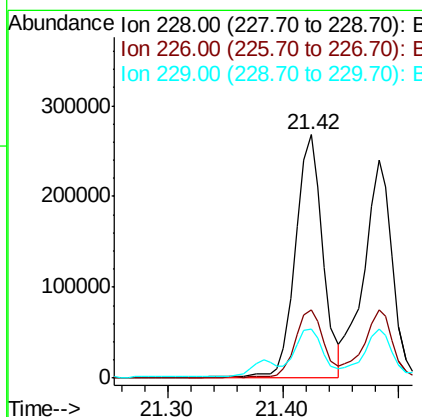
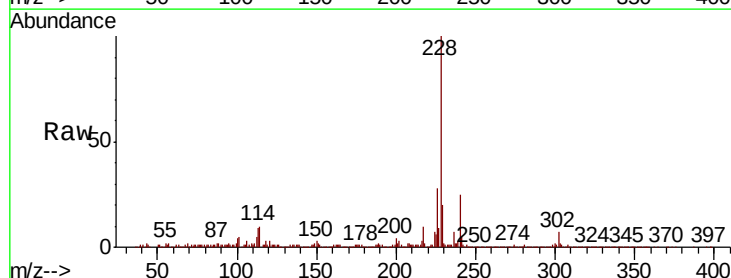
Instrument :
 BNA_G
 ClientSampleID :

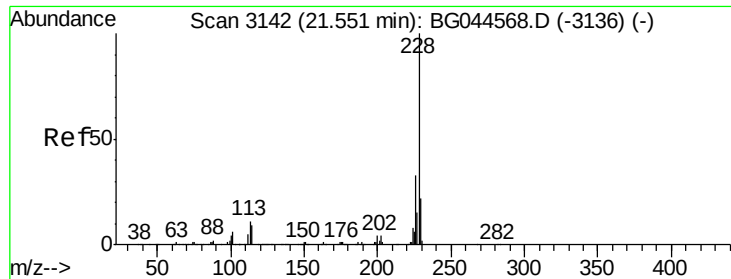
Tot Ion:244 Resp: 255922
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 9.7 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 15.963 ng
 RT: 21.42 min Scan# 3121
 Delta R.T. -0.06 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Tgt Ion:228 Resp: 438612
 Ion Ratio Lower Upper
 228 100
 226 28.2 23.8 35.8
 229 20.3 17.2 25.8

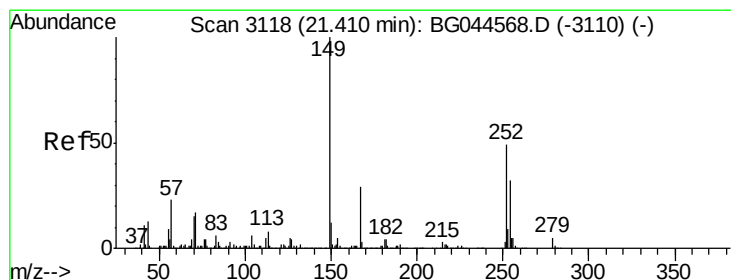
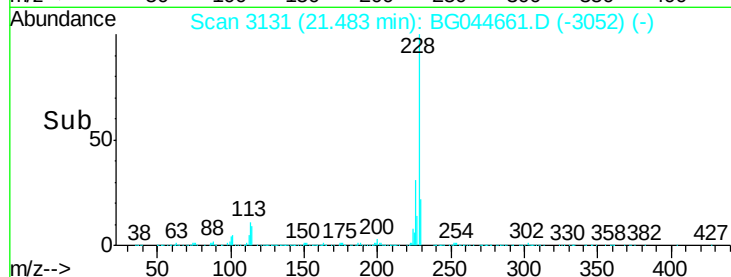
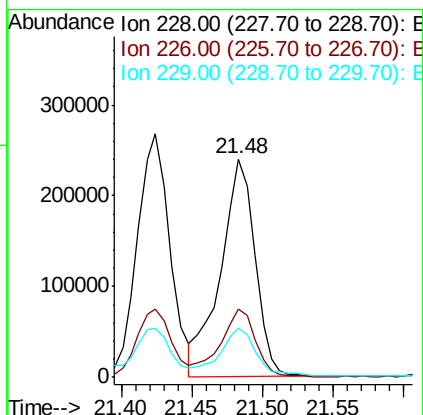
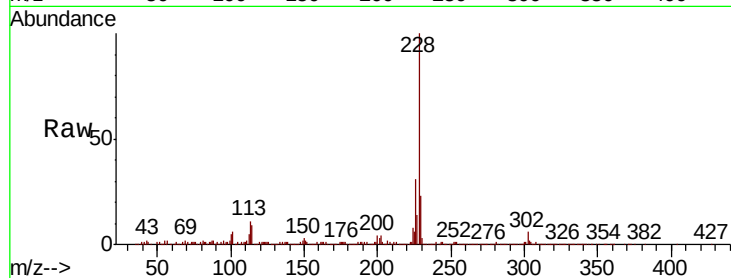




#83
 Chrysene
 Concen: 15.350 ng
 RT: 21.48 min Scan# 3131
 Delta R.T. -0.07 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

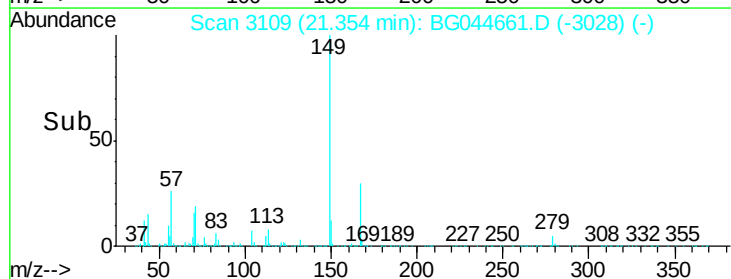
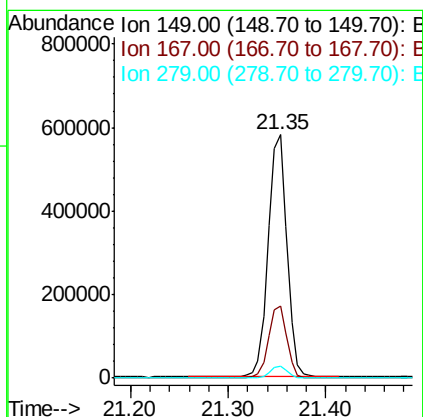
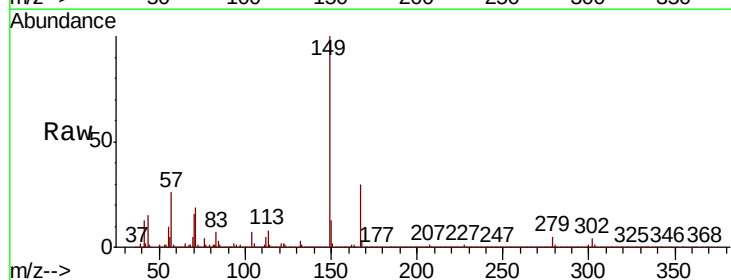
Instrument :
 BNA_G
 ClientSampleId :

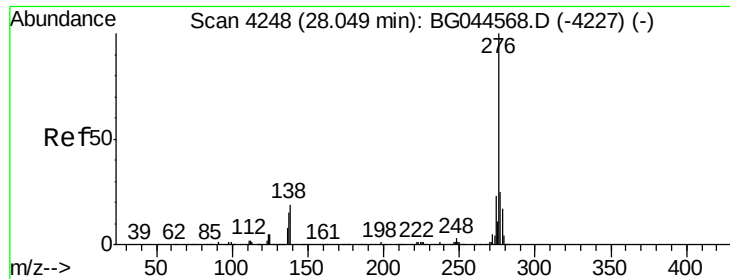
Tot Ion:228 Resp: 407793
 Ion Ratio Lower Upper
 228 100
 226 31.3 26.1 39.1
 229 22.6 17.2 25.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 45.901 ng
 RT: 21.35 min Scan# 3109
 Delta R.T. -0.06 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Tgt Ion:149 Resp: 785128
 Ion Ratio Lower Upper
 149 100
 167 29.7 23.4 35.0
 279 5.0 4.2 6.4

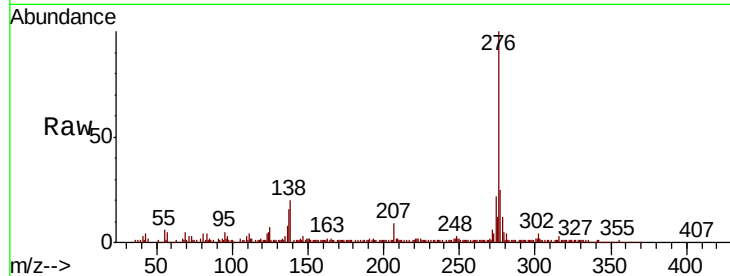




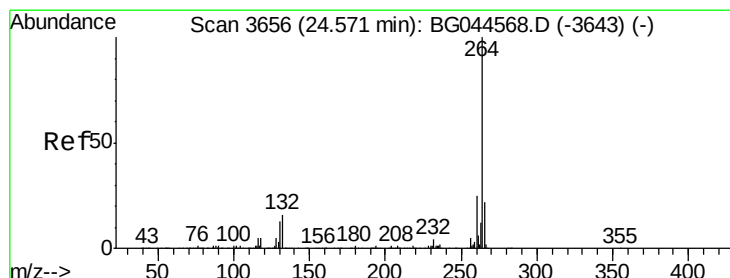
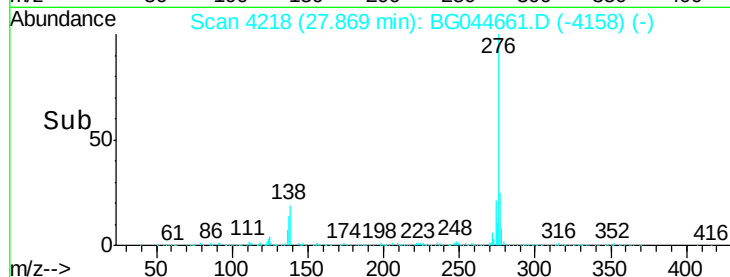
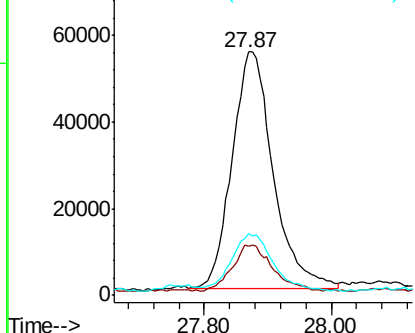
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.235 ng
 RT: 27.87 min Scan# 4218
 Delta R.T. -0.18 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.2	27.4
277	23.8	20.7	31.1

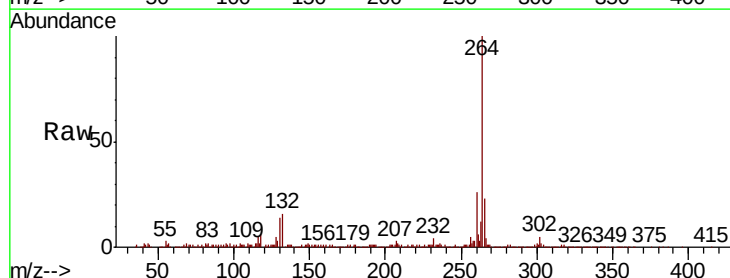


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

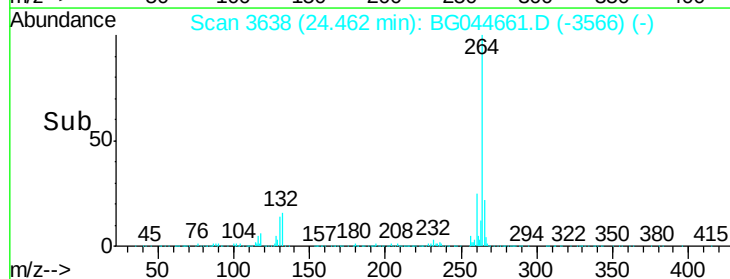
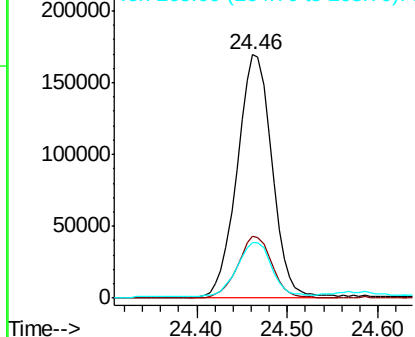


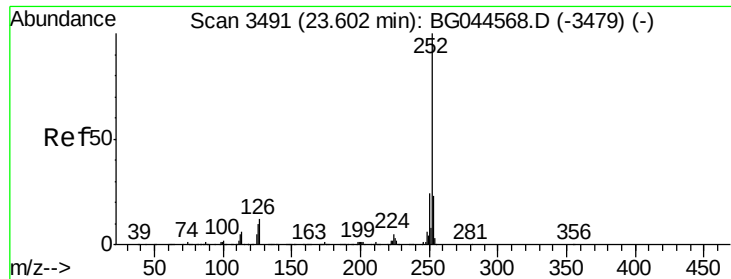
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.46 min Scan# 3638
 Delta R.T. -0.11 min
 Lab File: BG044661.D
 Acq: 3 Mar 2020 11:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.7	29.5
265	22.7	17.8	26.8



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: 18.312 ng

RT: 23.52 min Scan# 3477

Delta R.T. -0.09 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampleId :

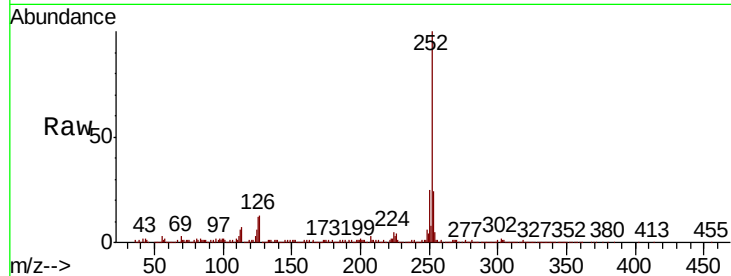
Tot Ion:252 Resp: 544275

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

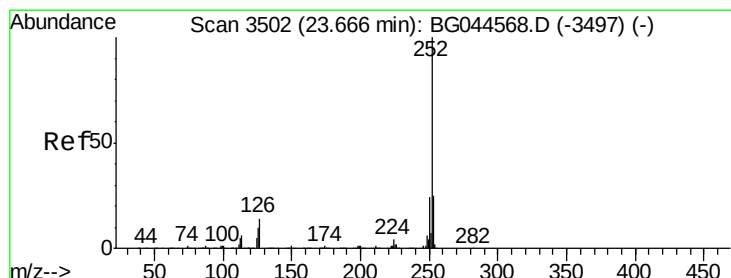
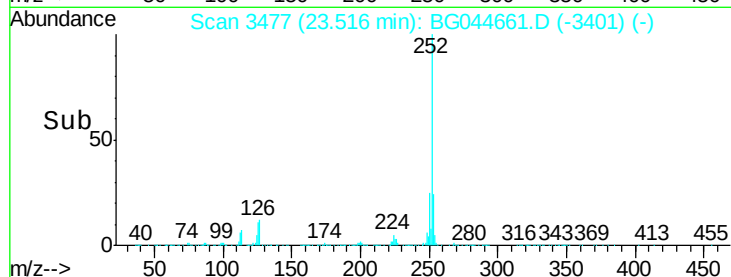
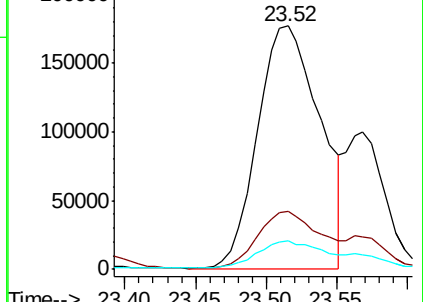
125 11.8 7.9 11.9



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: 18.873 ng

RT: 23.52 min Scan# 3477

Delta R.T. -0.15 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

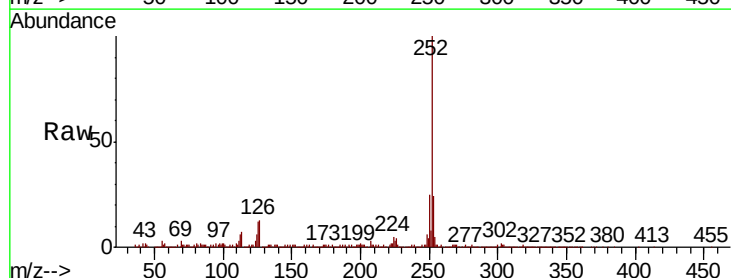
Tgt Ion:252 Resp: 544275

Ion Ratio Lower Upper

252 100

253 23.9 19.0 28.6

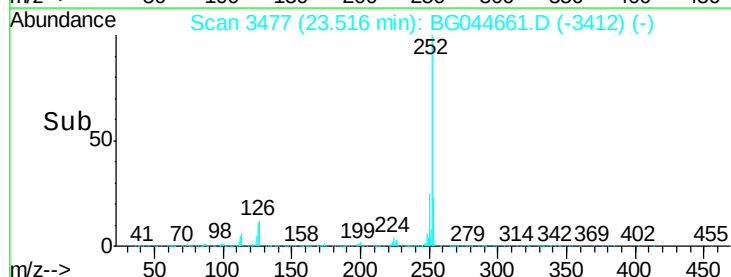
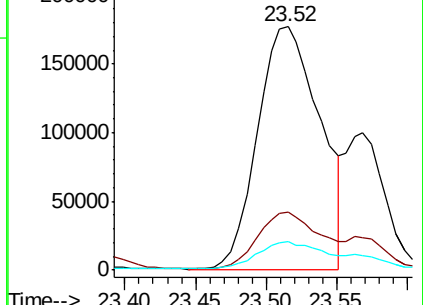
125 11.8 7.8 11.8#

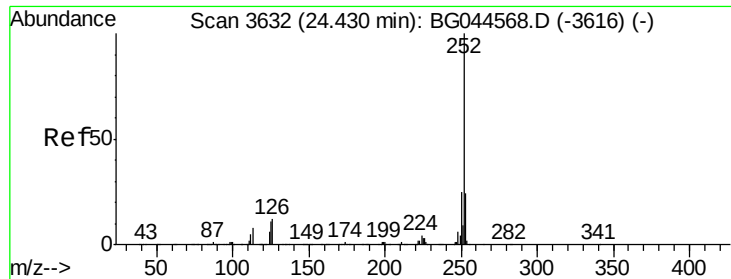


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 14.543 ng

RT: 24.32 min Scan# 3614

Delta R.T. -0.11 min

Lab File: BG044661.D

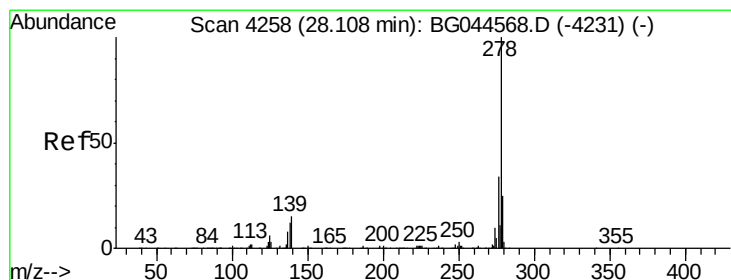
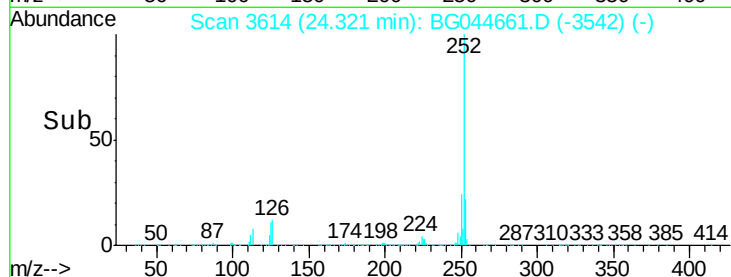
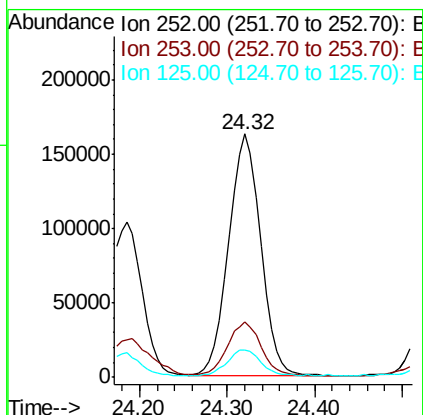
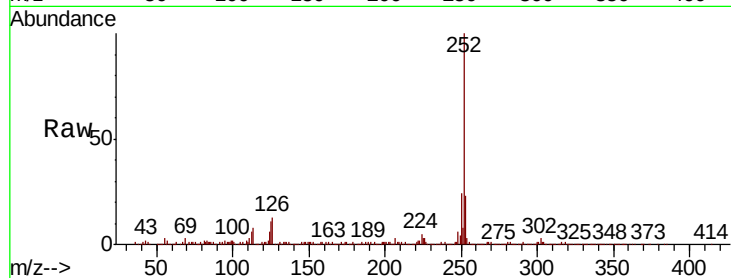
Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampled :

Tot Ion:	252	Resp:	406126
Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.0	28.4
125	11.4	8.5	12.7



#91

Dibenzo(a,h)anthracene

Concen: 2.147 ng

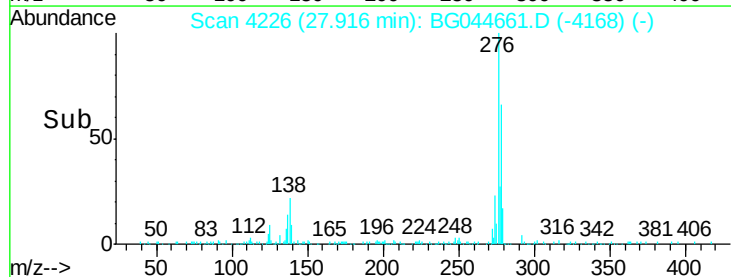
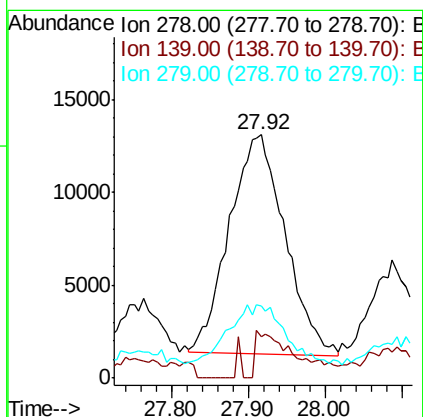
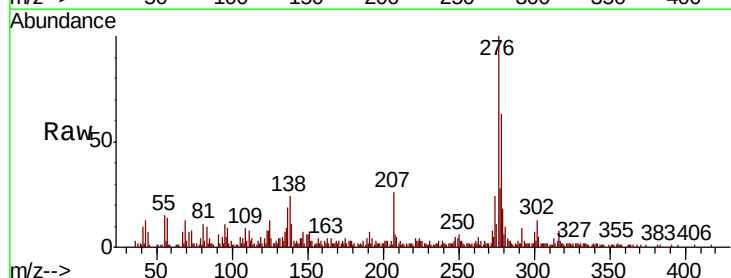
RT: 27.92 min Scan# 4226

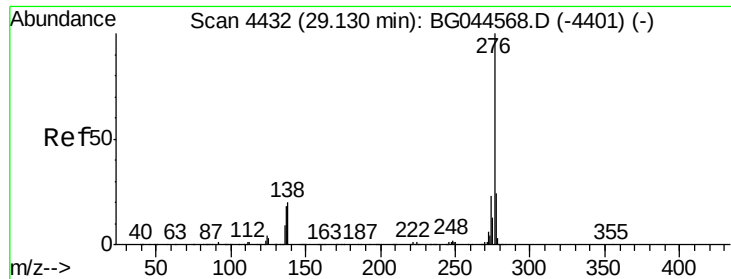
Delta R.T. -0.19 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Tgt Ion:	278	Resp:	59308
Ion	Ratio	Lower	Upper
278	100		
139	17.0	11.7	17.5
279	29.4	19.8	29.6





#92

Benzo(a,h,i)perylene

Concen: 8.560 ng

RT: 28.93 min Scan# 4399

Delta R.T. -0.20 min

Lab File: BG044661.D

Acq: 3 Mar 2020 11:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 236873

Ion Ratio Lower Upper

276 100

277 23.9 19.5 29.3

138 21.4 16.1 24.1

