

Data File : BG044070.D
Acq On : 16 Jan 2020 16:02
Operator : JU
Sample : L1126-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Quant Time: Jan 17 06:40:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	120742	20.00	ng	-0.02
21) Naphthalene-d8	10.74	136	488596	20.00	ng	-0.02
39) Acenaphthene-d10	14.57	164	288065	20.00	ng	-0.02
64) Phenanthrene-d10	17.31	188	567569	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	489033	20.00	ng	-0.02
87) Perylene-d12	24.68	264	557146	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	648166	98.57	ng	-0.01
7) Phenol-d6	7.11	99	888496	96.66	ng	-0.01
23) Nitrobenzene-d5	9.09	82	516068	56.50	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	279207	92.62	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1063123	66.86	ng	-0.02
79) Terphenyl-d14	19.93	244	1347670	61.26	ng	-0.02

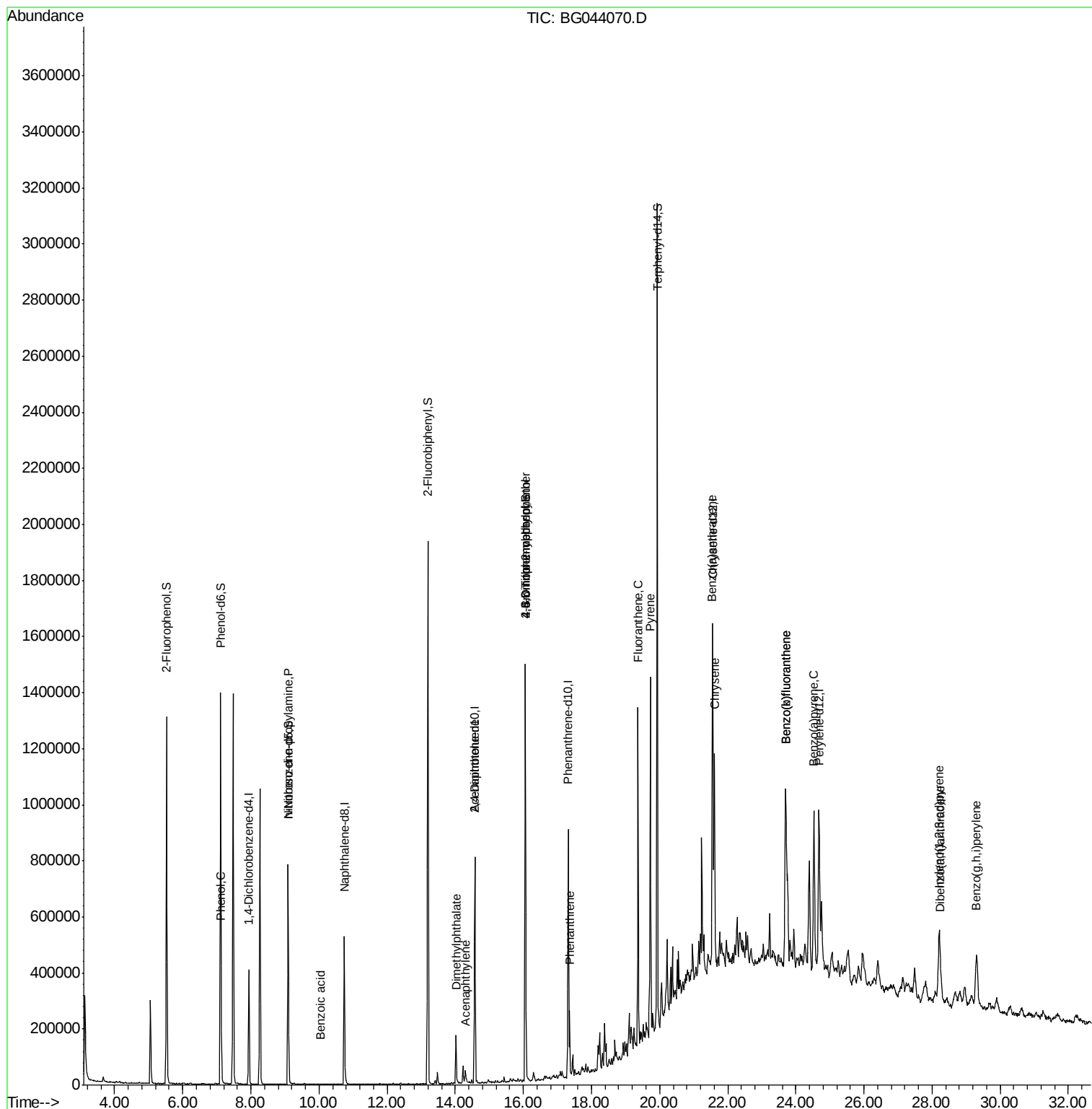
Target Compounds				Qvalue		
10) Phenol	7.14	94	23621	2.494	ng	90
19) n-Nitroso-di-n-propylamine	9.09	70	66618	9.732	ng	# 76
32) Benzoic acid	10.06	122	55	6.271	ng	# 29
49) Acenaphthylene	14.30	152	51049	2.128	ng	94
50) Dimethylphthalate	14.02	163	119652	5.850	ng	97
57) 2,4-Dinitrotoluene	14.57	165	38077	6.053	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	964	4.689	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	19314	3.026	ng	# 1
71) Phenanthrene	17.35	178	150121	5.514	ng	94
75) Fluoranthene	19.37	202	716942	23.028	ng	94
78) Pyrene	19.73	202	761588	23.858	ng	94
81) Benzo(a)anthracene	21.54	228	562239	18.541	ng	96
83) Chrysene	21.61	228	520245	18.056	ng	95
86) Indeno(1,2,3-cd)pyrene	28.21	276	398365	10.173	ng	96
88) Benzo(b)fluoranthene	23.70	252	765838	23.252	ng	97
89) Benzo(k)fluoranthene	23.70	252	765838	24.451	ng	98
90) Benzo(a)pyrene	24.53	252	583422	18.767	ng	99
91) Dibenzo(a,h)anthracene	28.25	278	99657	3.192	ng	95
92) Benzo(g,h,i)perylene	29.31	276	407731	13.148	ng	98

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

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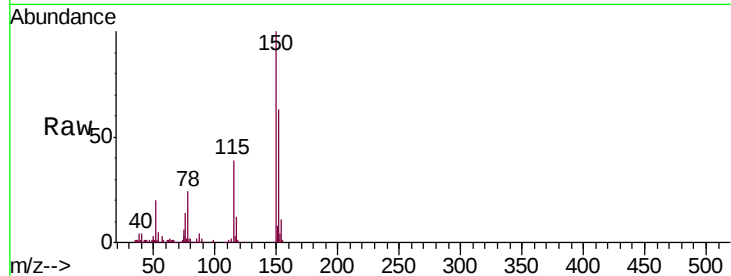


#1

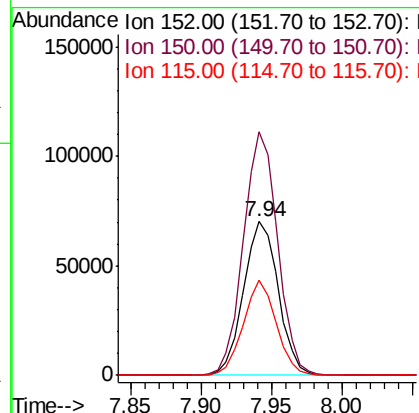
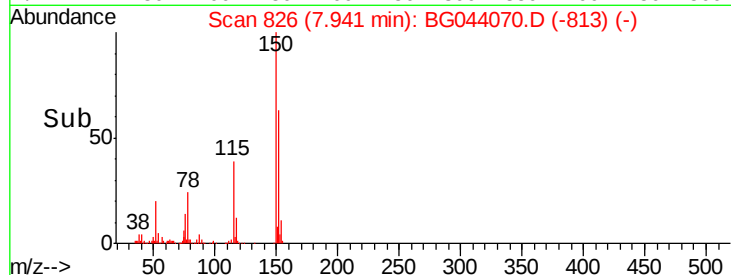
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.94 min Scan# 826
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.2	127.0	190.4
115	61.5	47.8	71.8



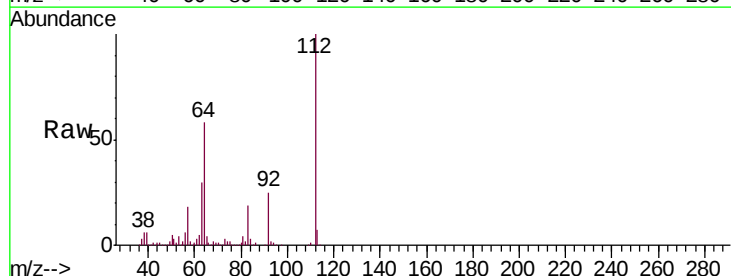
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



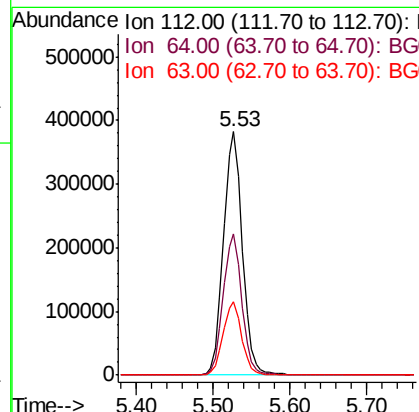
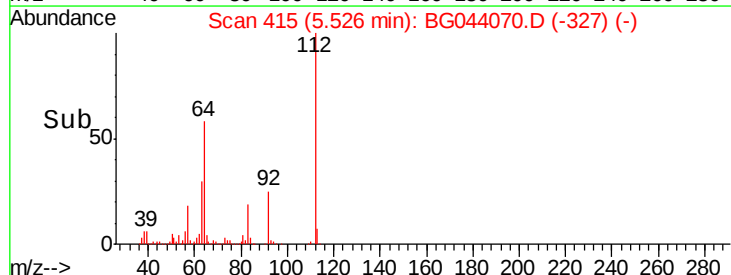
#5

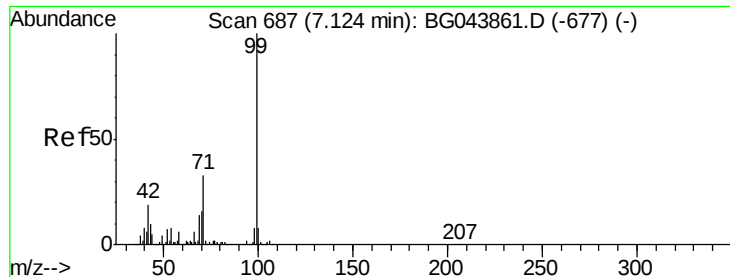
2-Fluorophenol
Concen: 98.566 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.8	71.6
63	30.1	24.3	36.5



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: 96.660 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

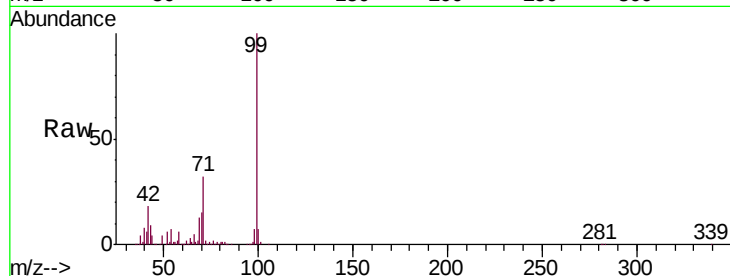
Tgt Ion: 99 Resp: 888496

Ion Ratio Lower Upper

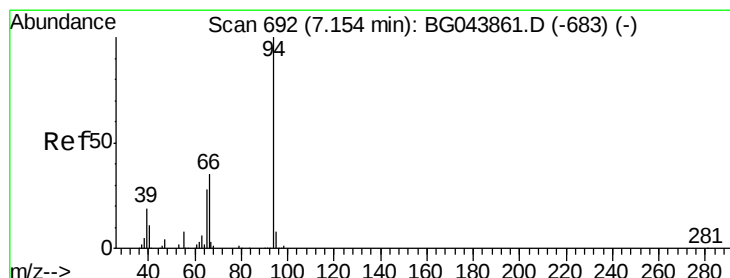
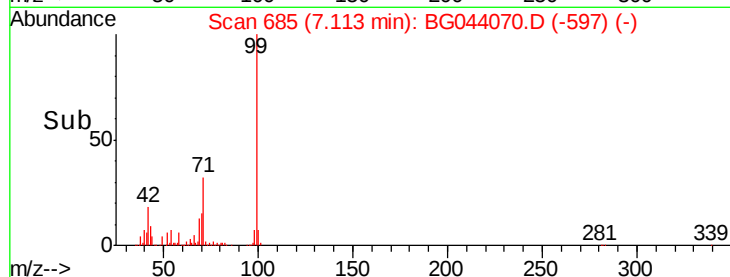
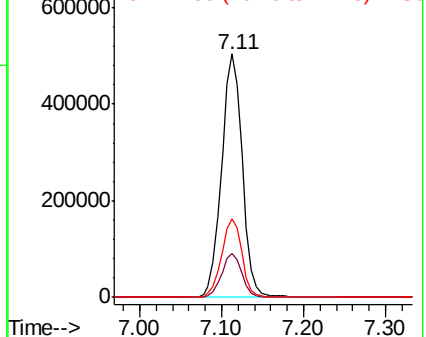
99 100

42 18.0 14.9 22.3

71 32.0 26.4 39.6



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



#10

Phenol

Concen: 2.494 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.02 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

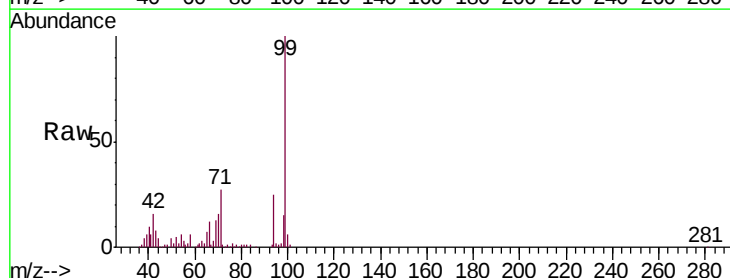
Tgt Ion: 94 Resp: 23621

Ion Ratio Lower Upper

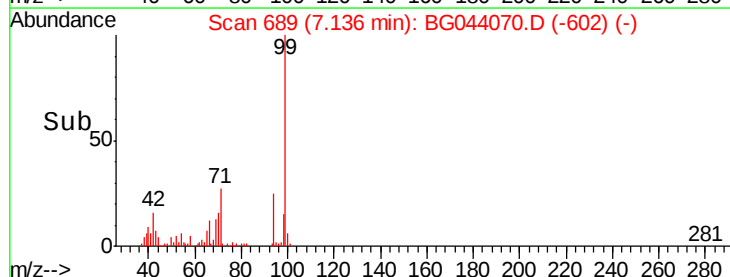
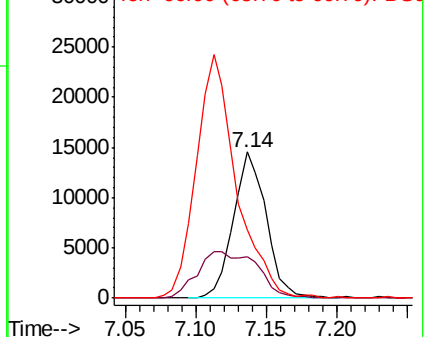
94 100

65 28.1 8.1 48.1

66 46.5 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

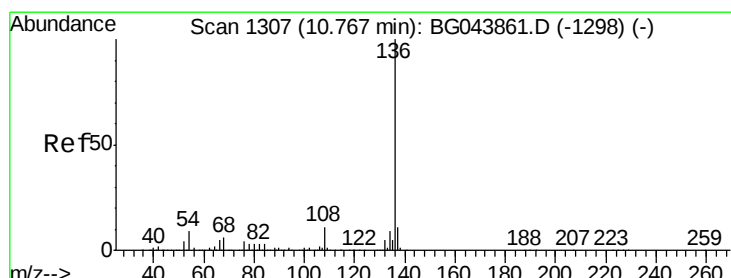
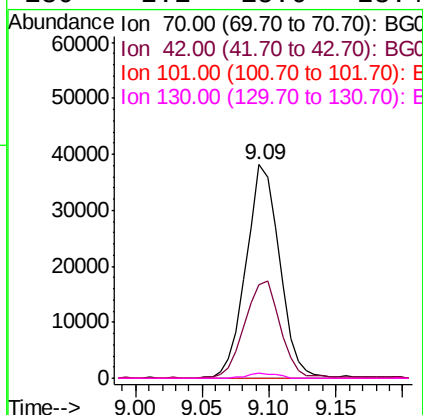
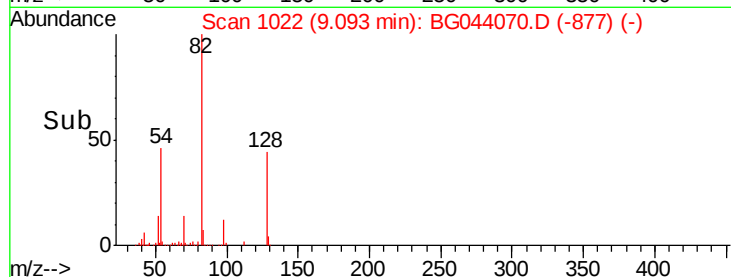
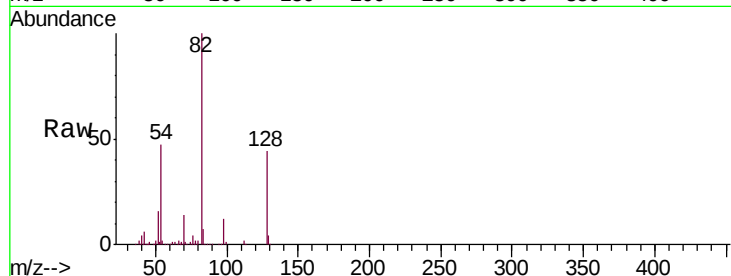




#19
n-Nitroso-di-n-propylamine
Concen: 9.732 ng
RT: 9.09 min Scan# 1022
Delta R.T. 0.32 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

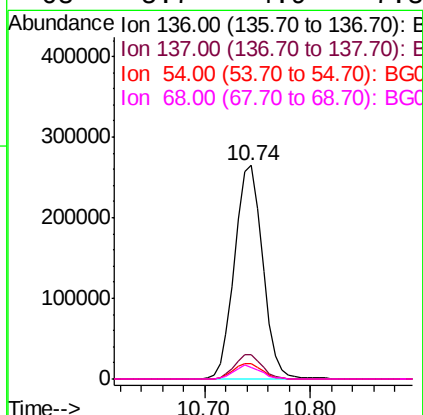
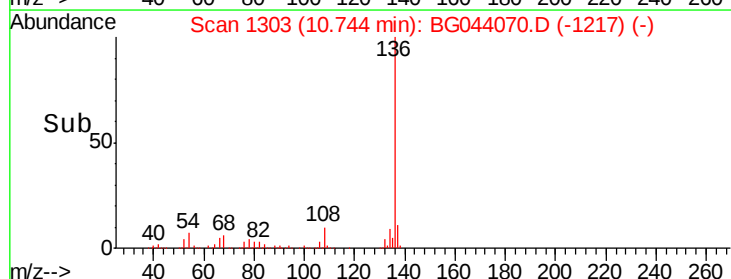
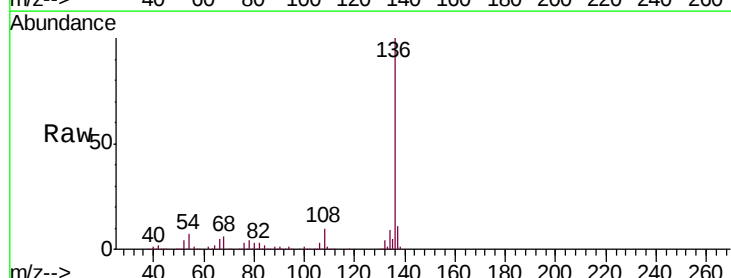
Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

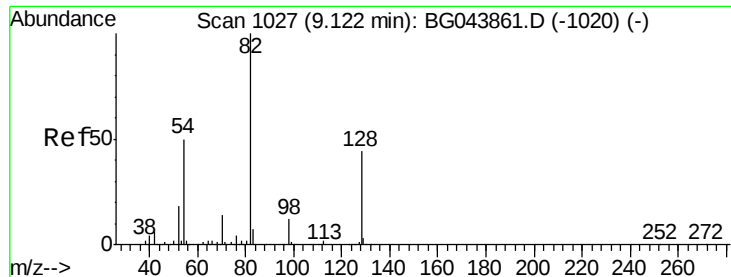
Tgt Ion: 70 Resp: 66618
Ion Ratio Lower Upper
70 100
42 44.0 47.0 70.4#
101 0.0 7.2 10.8#
130 2.1 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion: 136 Resp: 488596
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.4 7.0 10.4
68 5.7 4.9 7.3

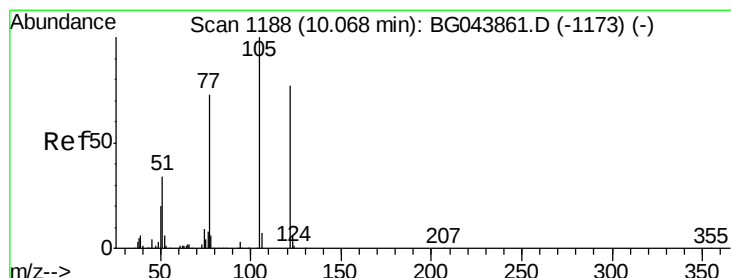
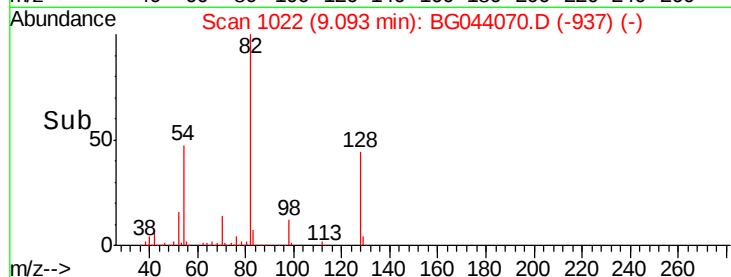
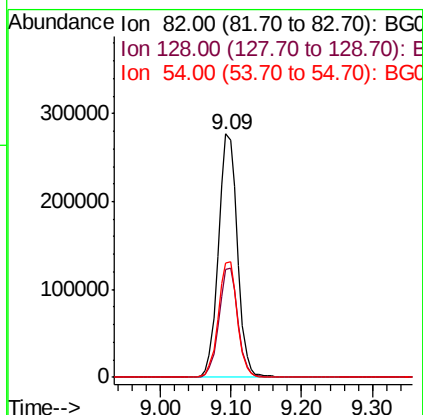
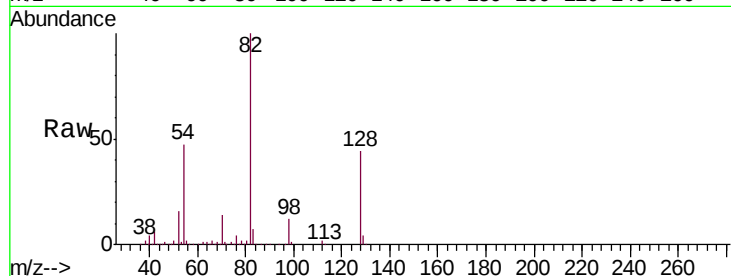




#23
Nitrobenzene-d5
Concen: 56.504 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

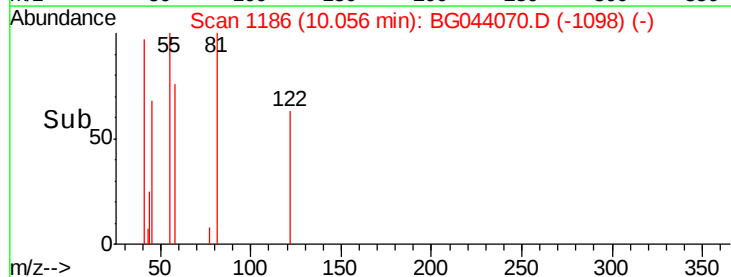
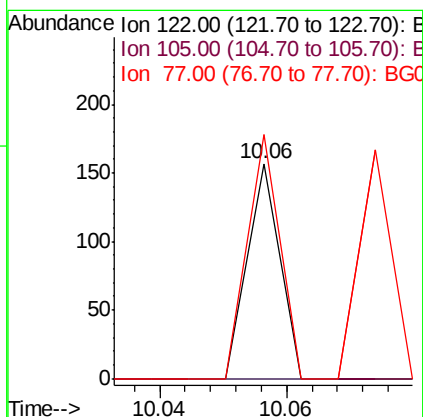
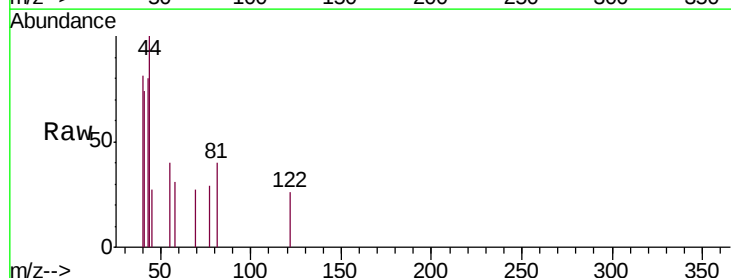
Instrument :
BNA_G
ClientSampled :
BW-1-3.0

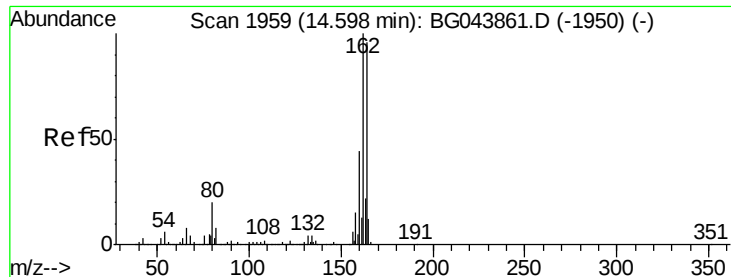
Tgt Ion: 82 Resp: 516068
Ion Ratio Lower Upper
82 100
128 44.5 35.1 52.7
54 47.0 40.1 60.1



#32
Benzoic acid
Concen: 6.271 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion: 122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 106.4 146.4#
77 113.4 74.6 114.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

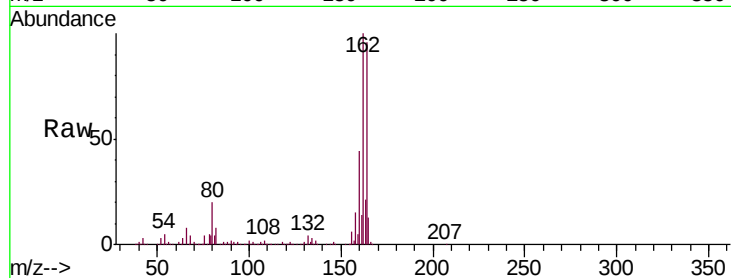
Tgt Ion:164 Resp: 288065

Ion Ratio Lower Upper

164 100

162 104.0 83.0 124.4

160 46.0 36.1 54.1

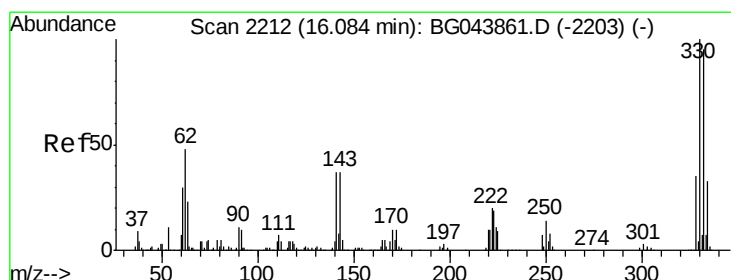
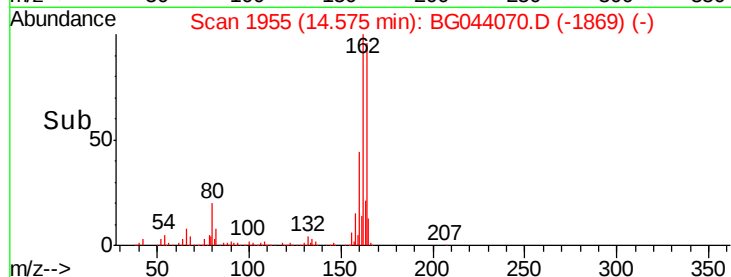
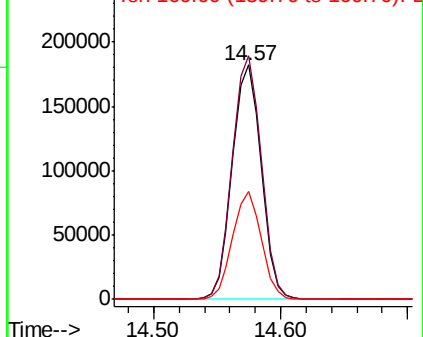


Abundance

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: 92.620 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

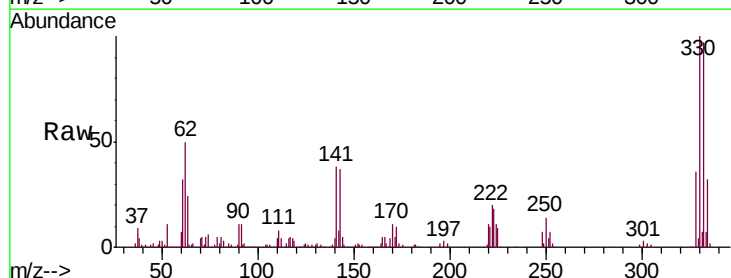
Tgt Ion:330 Resp: 279207

Ion Ratio Lower Upper

330 100

332 97.1 77.2 115.8

141 38.9 33.1 49.7

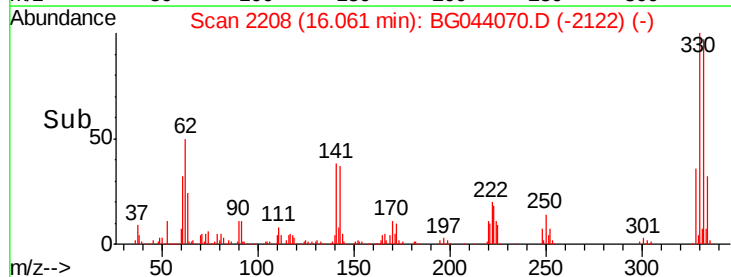
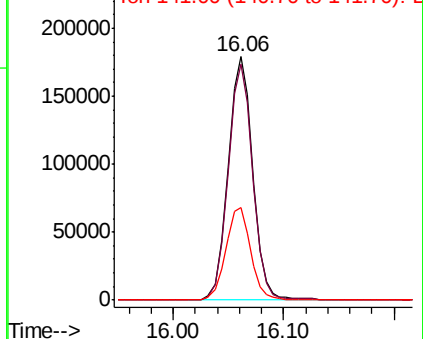


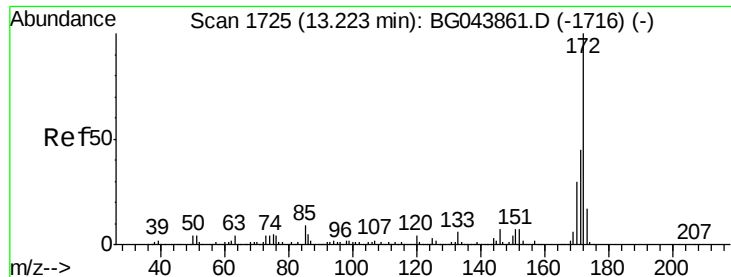
Abundance

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

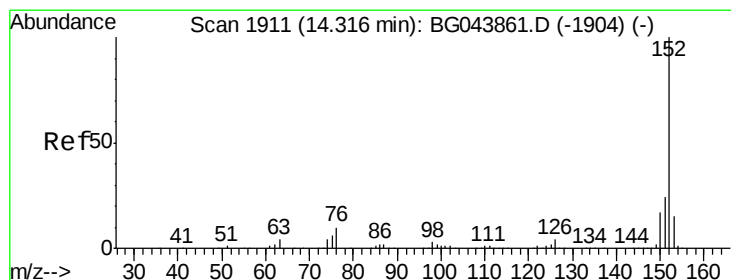
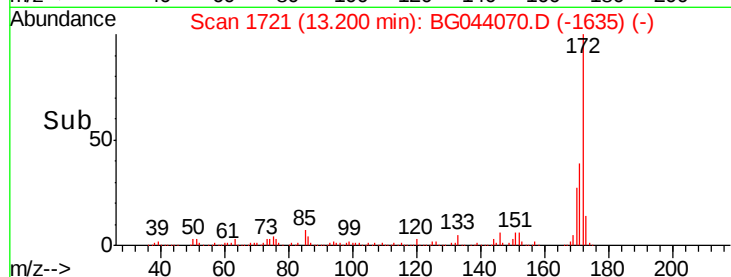
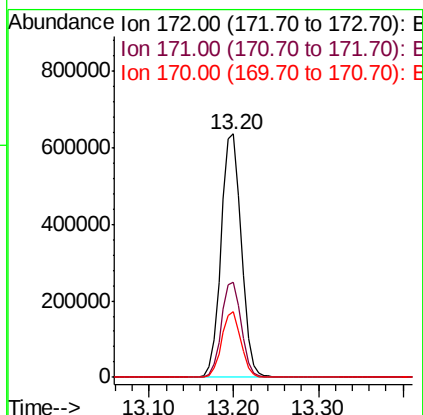
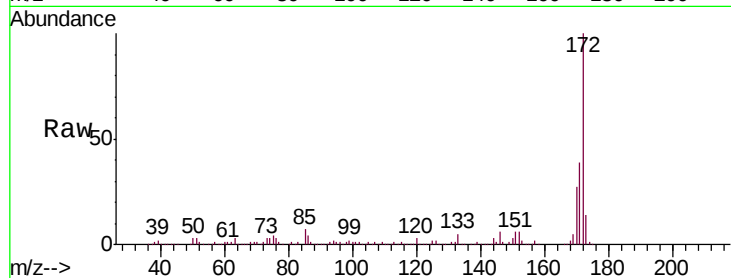




#45
2-Fluorobiphenyl
Concen: 66.865 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

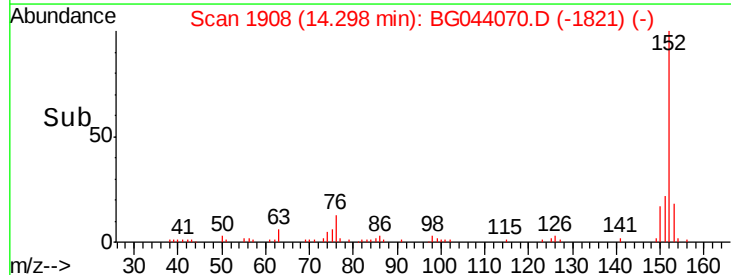
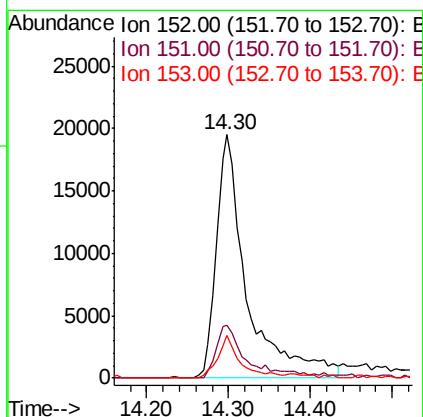
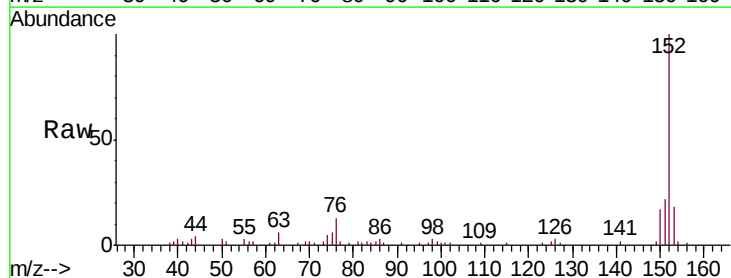
Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

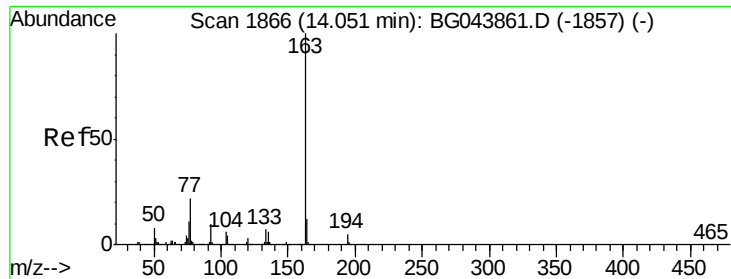
Tgt Ion:172 Resp: 1063123
Ion Ratio Lower Upper
172 100
171 39.0 35.8 53.8
170 26.7 24.2 36.4



#49
Acenaphthylene
Concen: 2.128 ng
RT: 14.30 min Scan# 1908
Delta R.T. -0.02 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion:152 Resp: 51049
Ion Ratio Lower Upper
152 100
151 21.8 19.4 29.2
153 17.6 12.0 18.0





#50

Dimethylphthalate

Concen: 5.850 ng

RT: 14.02 min Scan# 1861

Delta R.T. -0.03 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

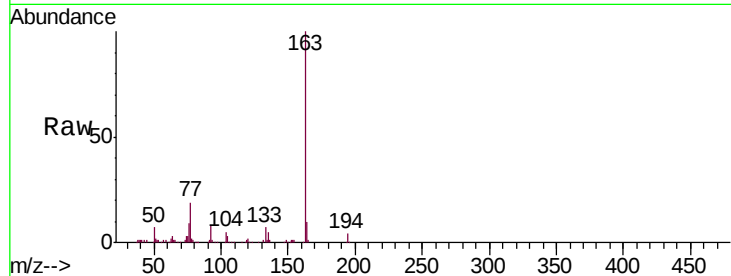
Tgt Ion:163 Resp: 119652

Ion Ratio Lower Upper

163 100

194 4.1 3.7 5.5

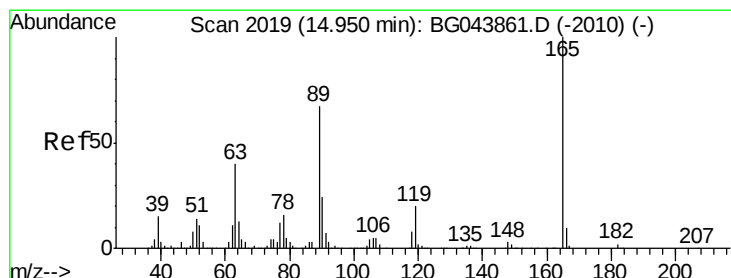
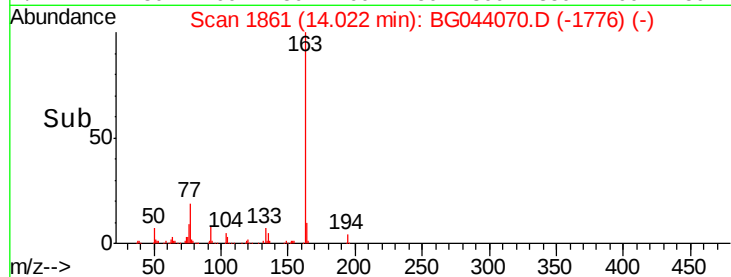
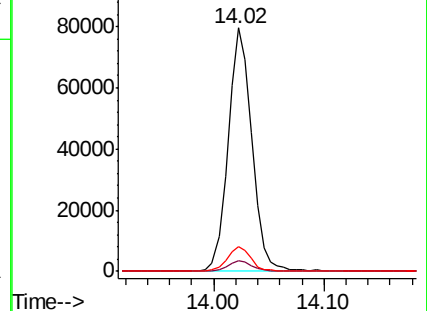
164 10.3 9.3 13.9



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



#57

2,4-Dinitrotoluene

Concen: 6.053 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.38 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Tgt Ion:165 Resp: 38077

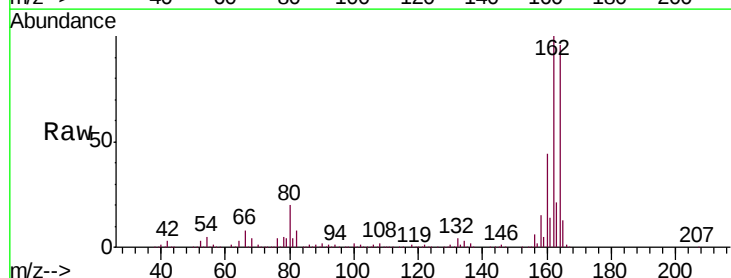
Ion Ratio Lower Upper

165 100

63 1.3 31.9 47.9#

89 1.3 53.8 80.6#

182 0.0 2.0 3.0#

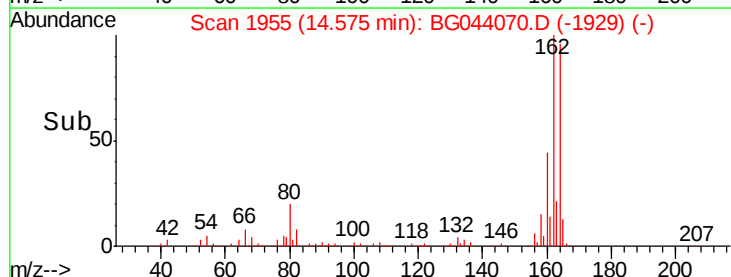
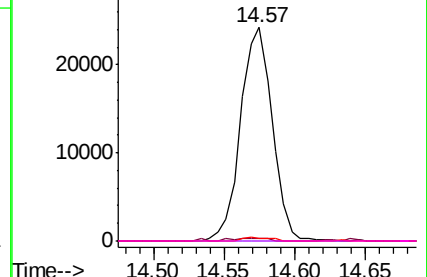


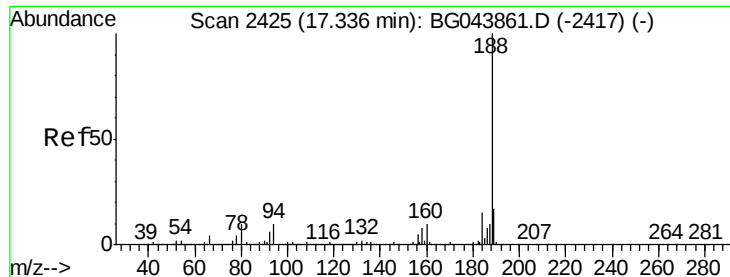
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

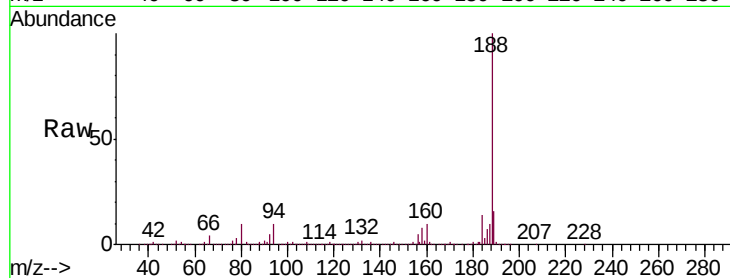
Tgt Ion:188 Resp: 567569

Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

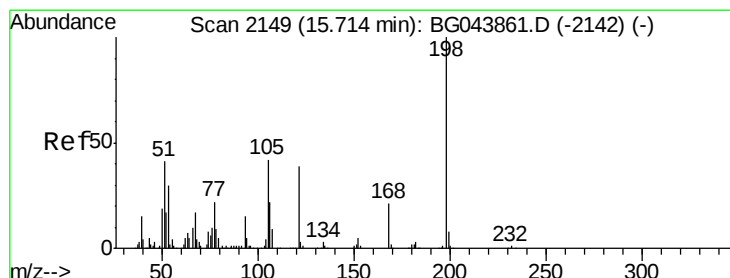
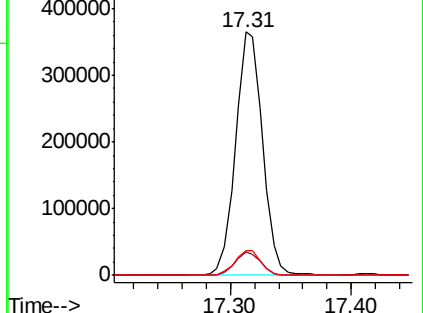
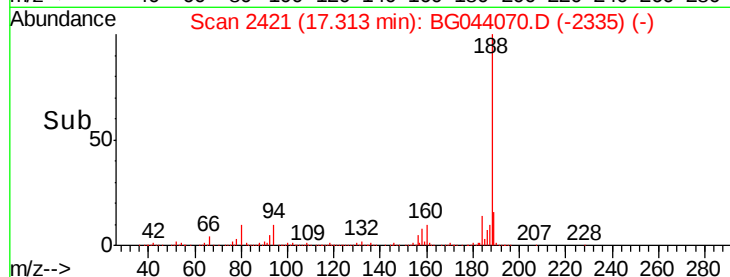
80 10.2 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.689 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.35 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

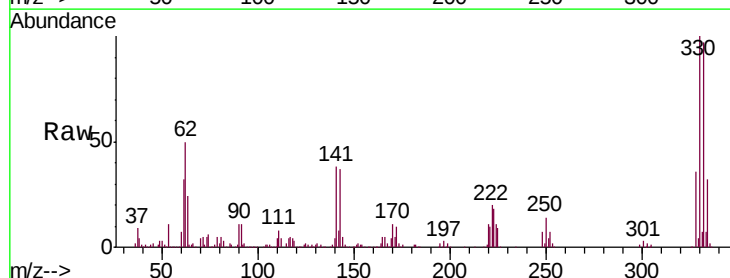
Tgt Ion:198 Resp: 964

Ion Ratio Lower Upper

198 100

51 111.6 22.5 62.5#

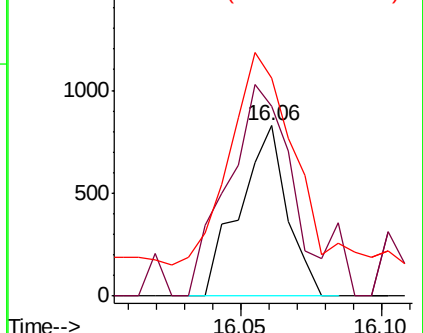
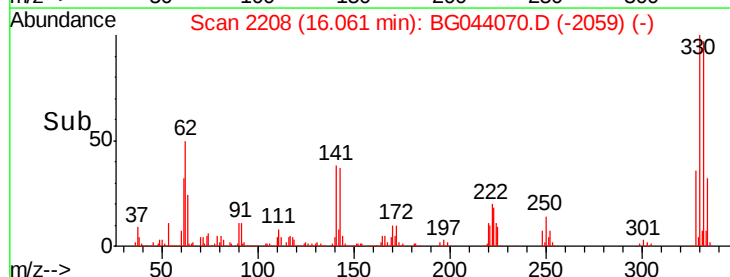
105 127.9 22.3 62.3#

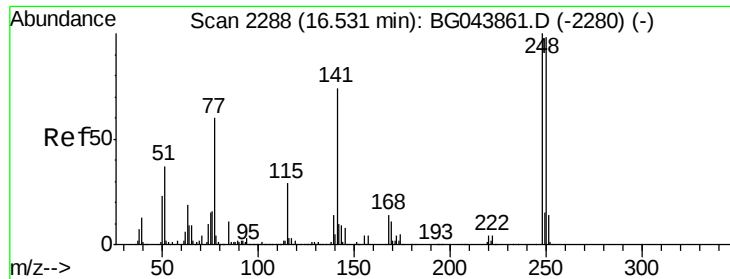


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

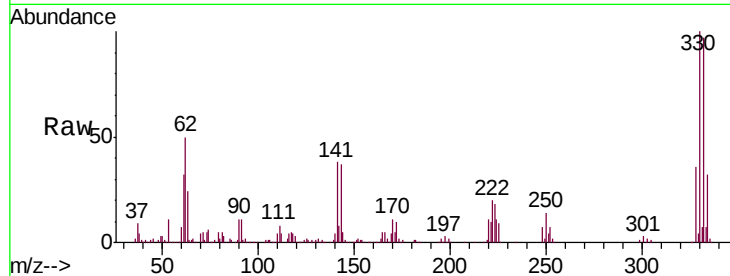




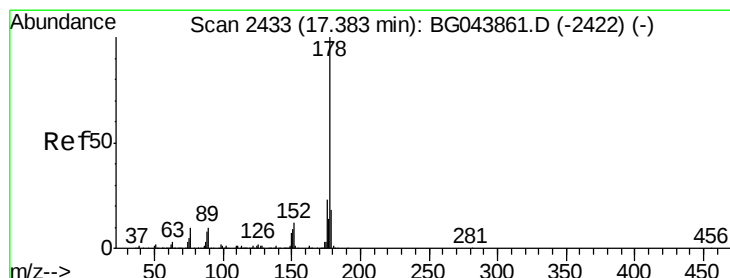
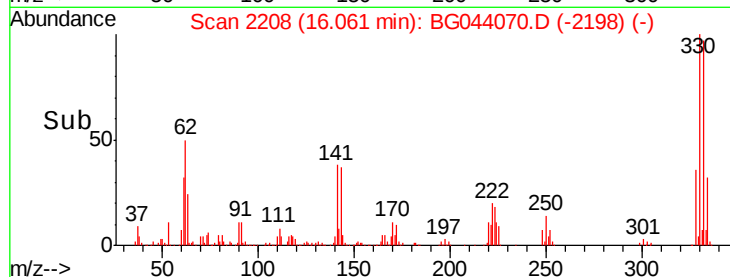
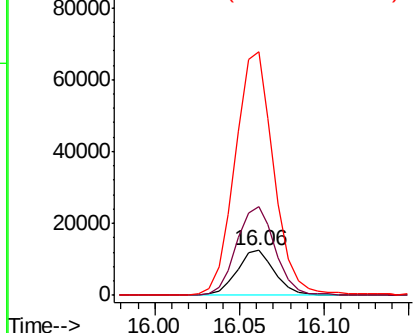
#67
 4-Bromophenyl-phenylether
 Concen: 3.026 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.47 min
 Lab File: BG044070.D
 Acq: 16 Jan 2020 16:02

Instrument :
 BNA_G
 ClientSampled :
 BW-1-3.0

Tgt Ion:248 Resp: 19314
 Ion Ratio Lower Upper
 248 100
 250 195.5 78.2 117.2#
 141 540.0 59.3 88.9#

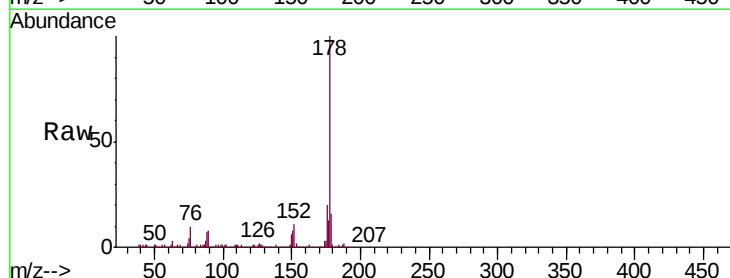


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

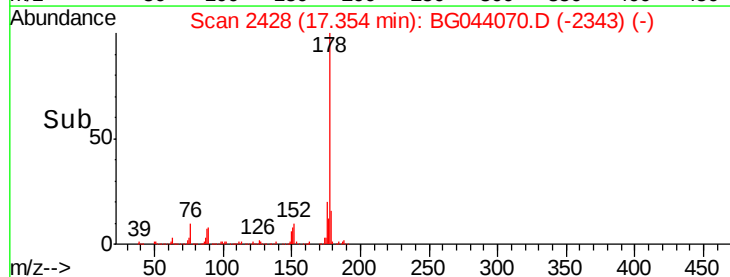
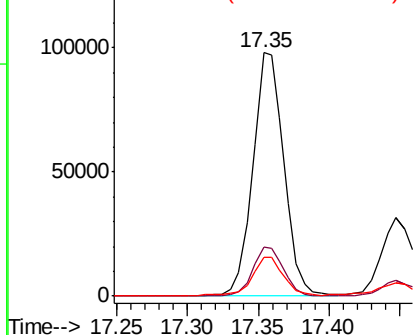


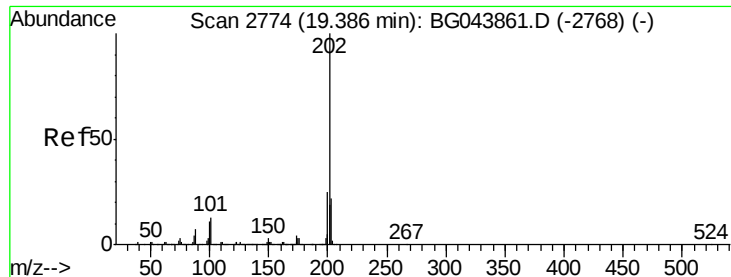
#71
 Phenanthrene
 Concen: 5.514 ng
 RT: 17.35 min Scan# 2428
 Delta R.T. -0.03 min
 Lab File: BG044070.D
 Acq: 16 Jan 2020 16:02

Tgt Ion:178 Resp: 150121
 Ion Ratio Lower Upper
 178 100
 176 20.2 18.6 28.0
 179 15.9 14.4 21.6



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: 23.028 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.02 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

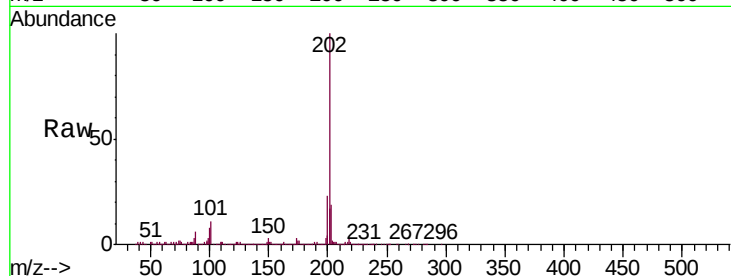
Tgt Ion:202 Resp: 716942

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.3

203 18.7 1.6 41.6



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

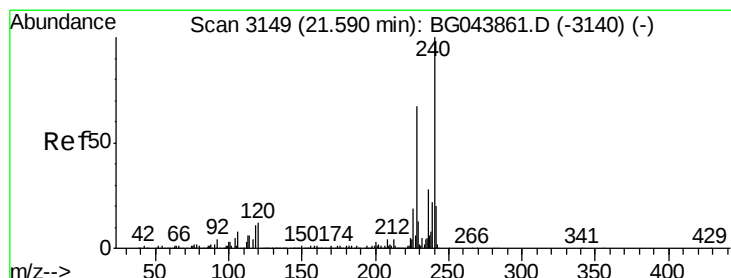
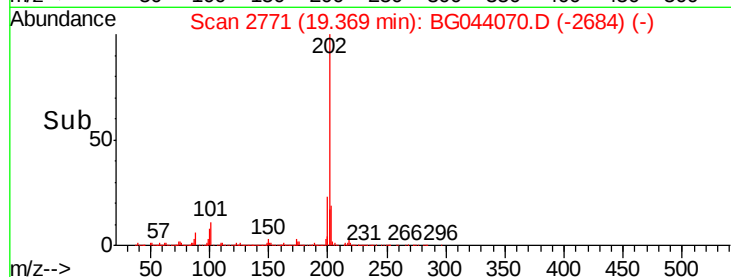
19.37

400000

200000

0

Time--> 19.30 19.35 19.40



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

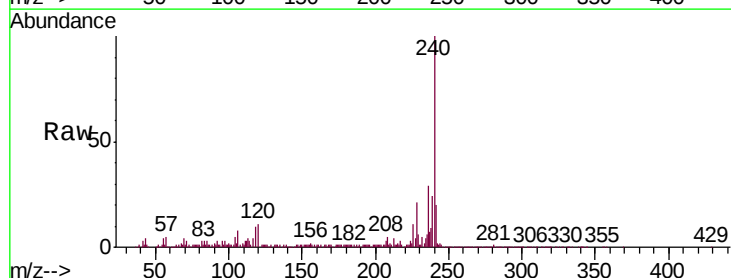
Tgt Ion:240 Resp: 489033

Ion Ratio Lower Upper

240 100

120 11.1 9.6 14.4

236 28.8 22.2 33.2



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

21.57

400000

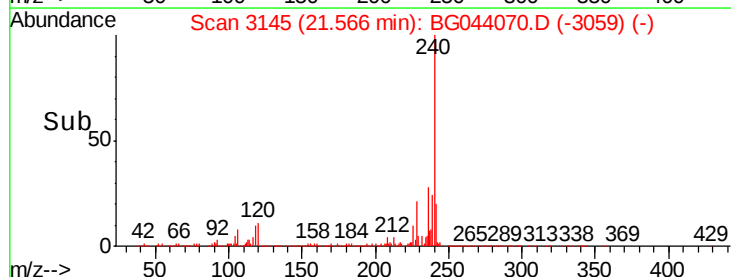
300000

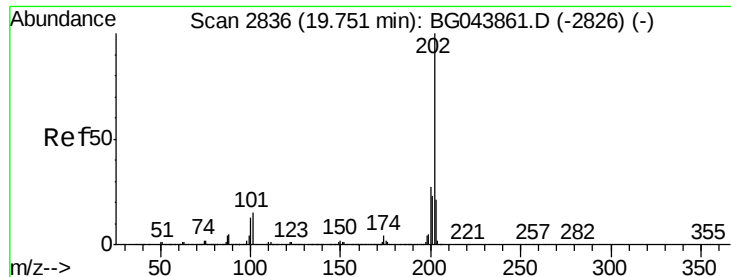
200000

100000

0

Time--> 21.50 21.60 21.70

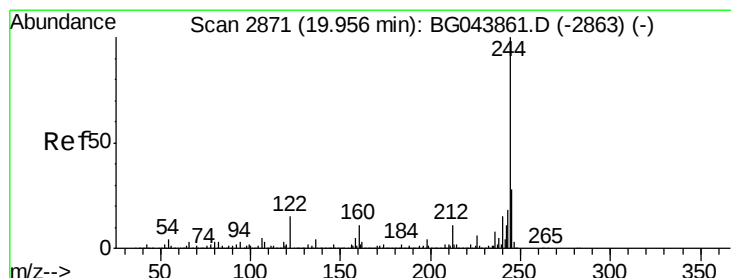
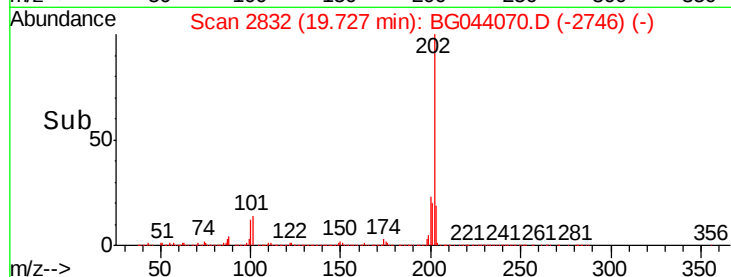
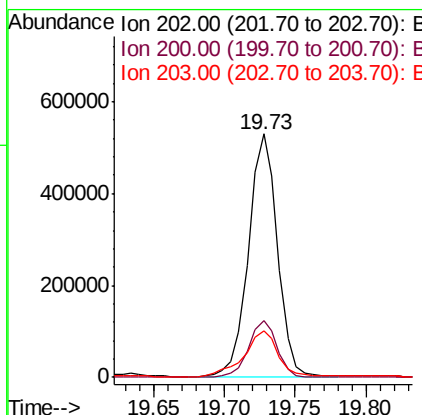
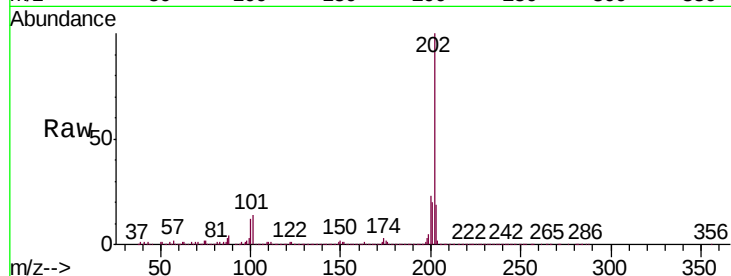




#78
 Pyrene
 Concen: 23.858 ng
 RT: 19.73 min Scan# 2832
 Delta R.T. -0.02 min
 Lab File: BG044070.D
 Acq: 16 Jan 2020 16:02

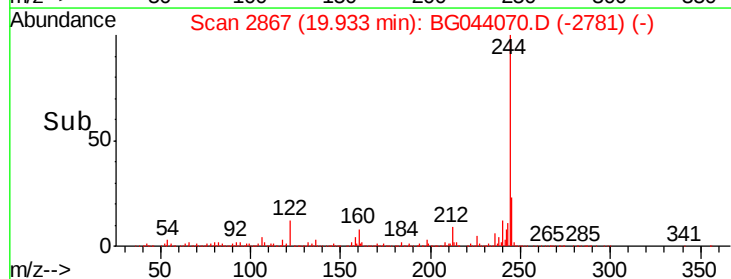
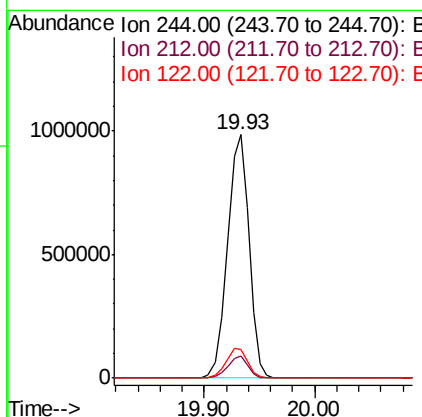
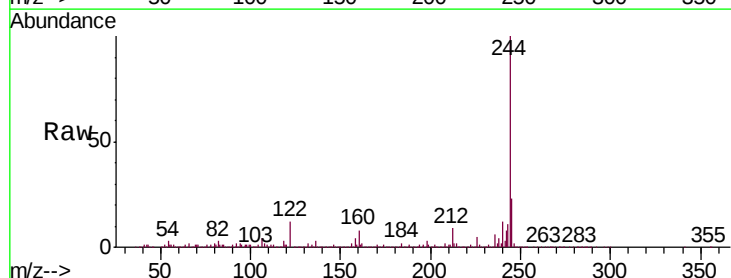
Instrument :
 BNA_G
 ClientSampleId :
 BW-1-3.0

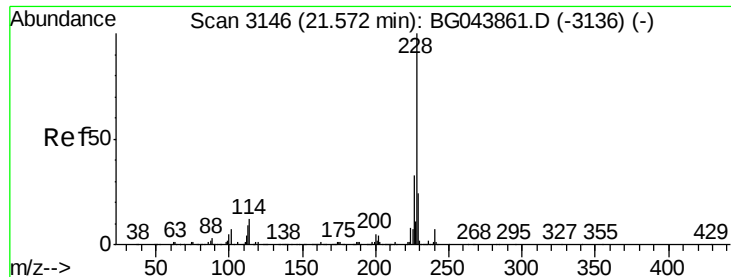
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.1	21.7	32.5
203	19.3	17.0	25.6



#79
 Terphenyl-d14
 Concen: 61.257 ng
 RT: 19.93 min Scan# 2867
 Delta R.T. -0.02 min
 Lab File: BG044070.D
 Acq: 16 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	8.6	13.0
122	11.8	11.9	17.9#

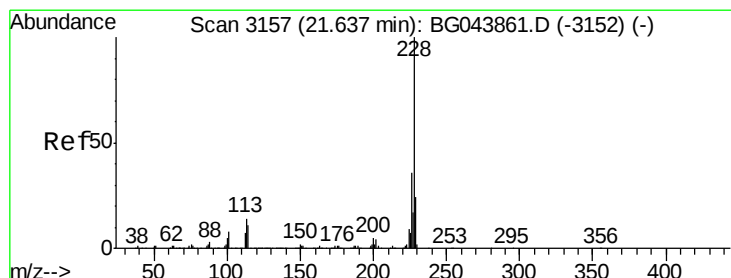
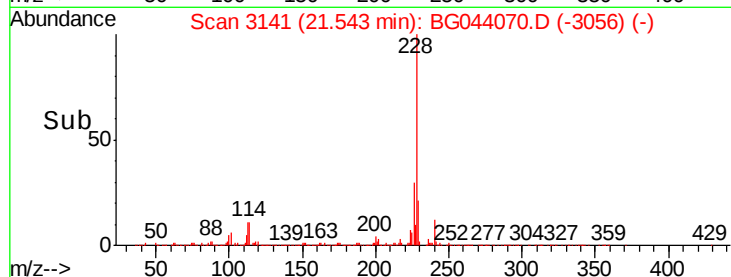
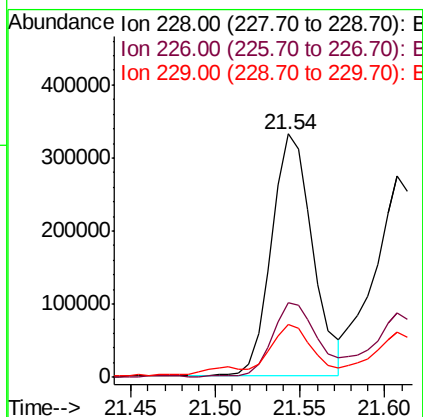
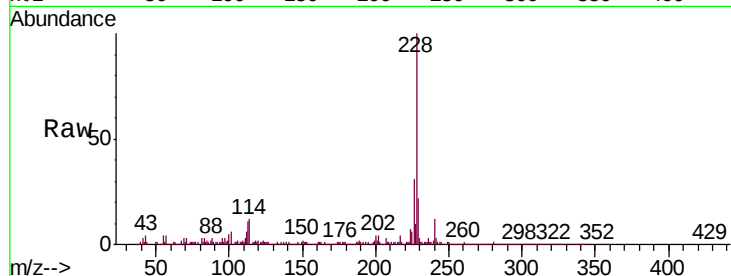




#81
Benzo(a)anthracene
Concen: 18.541 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.03 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

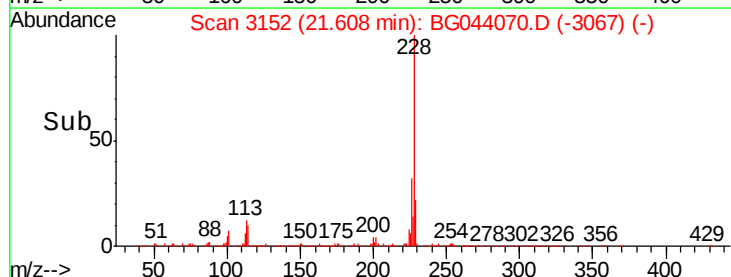
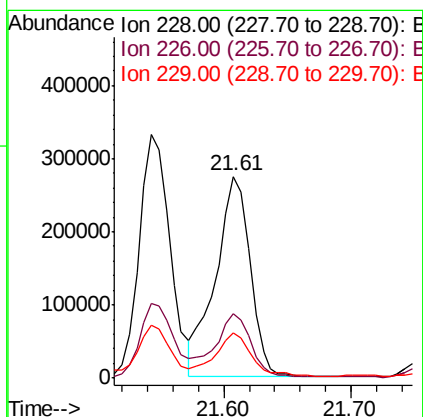
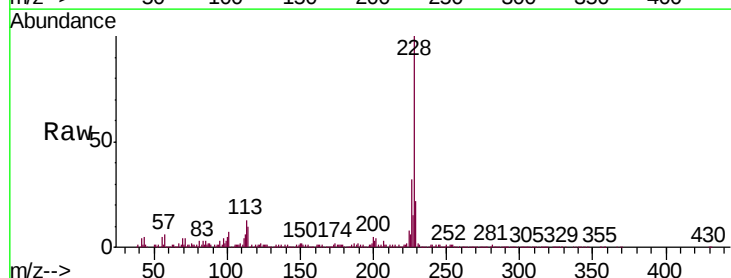
Instrument :
BNA_G
ClientSampleId :
BW-1-3.0

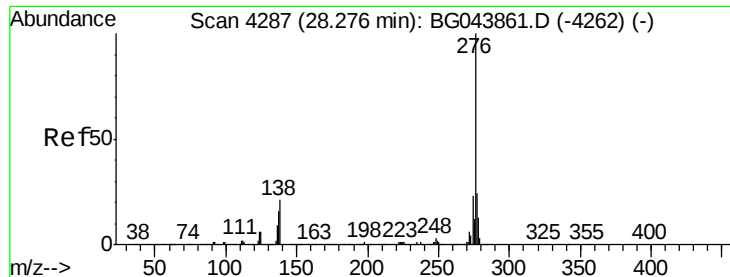
Tgt Ion:228 Resp: 562239
Ion Ratio Lower Upper
228 100
226 30.7 26.2 39.4
229 21.9 18.9 28.3



#83
Chrysene
Concen: 18.056 ng
RT: 21.61 min Scan# 3152
Delta R.T. -0.03 min
Lab File: BG044070.D
Acq: 16 Jan 2020 16:02

Tgt Ion:228 Resp: 520245
Ion Ratio Lower Upper
228 100
226 31.9 28.8 43.2
229 22.2 19.0 28.6





#86

Indeno(1,2,3-cd)pyrene

Concen: 10.173 ng

RT: 28.21 min Scan# 4275

Delta R.T. -0.07 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

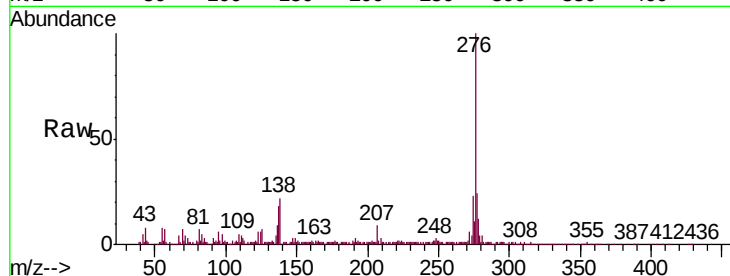
Tgt Ion:276 Resp: 398365

Ion Ratio Lower Upper

276 100

138 23.0 21.0 31.4

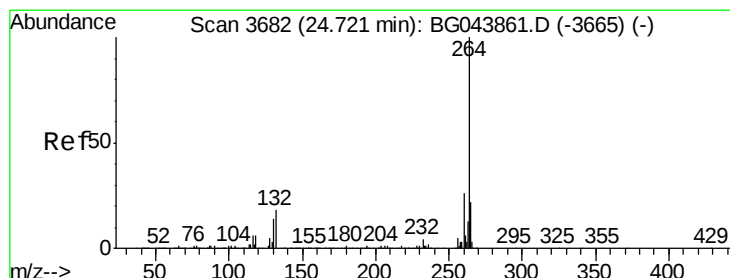
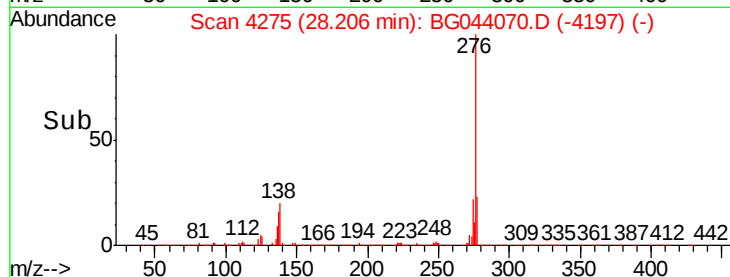
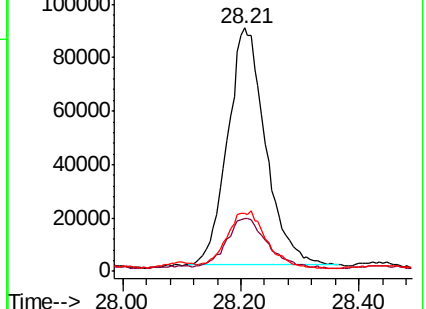
277 25.7 21.1 31.7



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: 24.68 min Scan# 3675

Delta R.T. -0.04 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

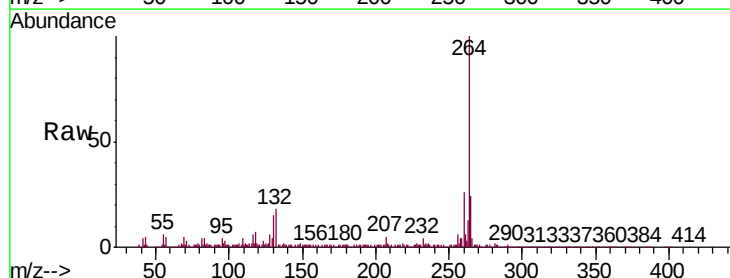
Tgt Ion:264 Resp: 557146

Ion Ratio Lower Upper

264 100

260 25.9 20.4 30.6

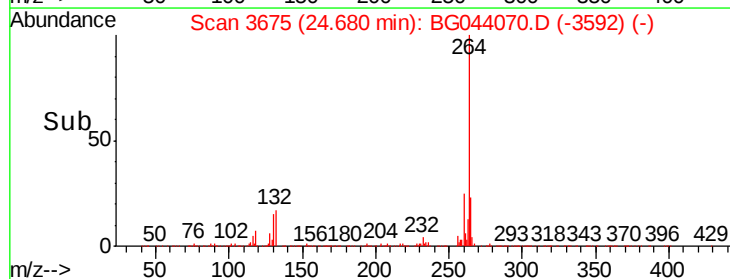
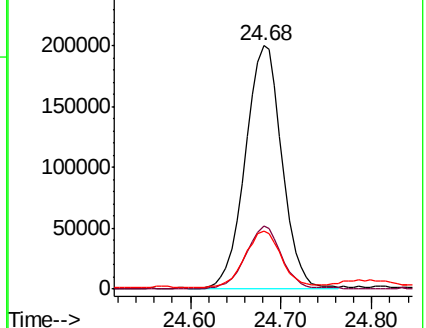
265 23.6 17.4 26.2

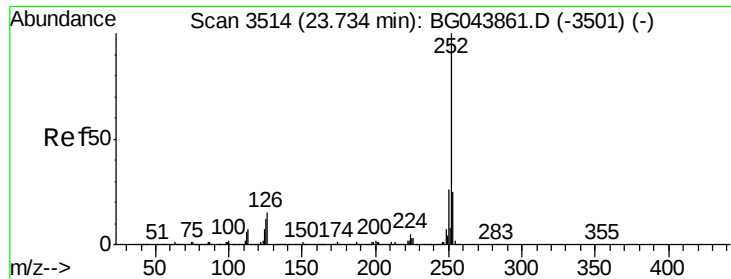


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 23.252 ng

RT: 23.70 min Scan# 3508

Delta R.T. -0.04 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

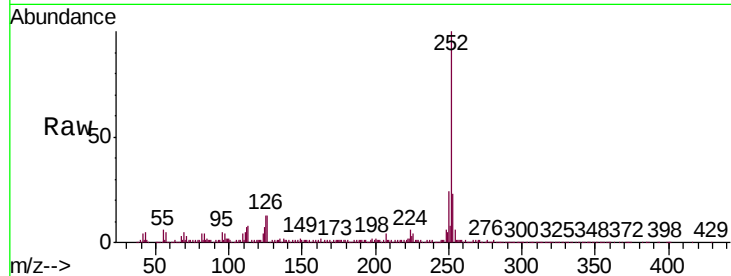
Tgt Ion:252 Resp: 765838

Ion Ratio Lower Upper

252 100

253 23.0 19.7 29.5

125 12.7 9.4 14.2

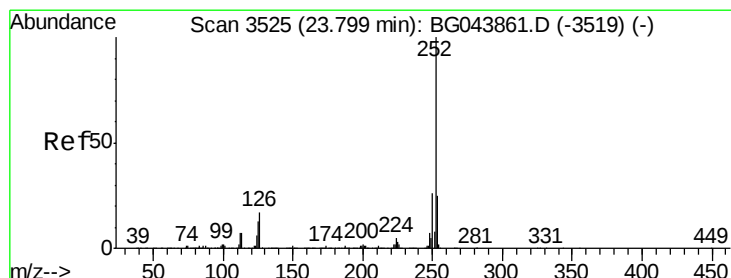
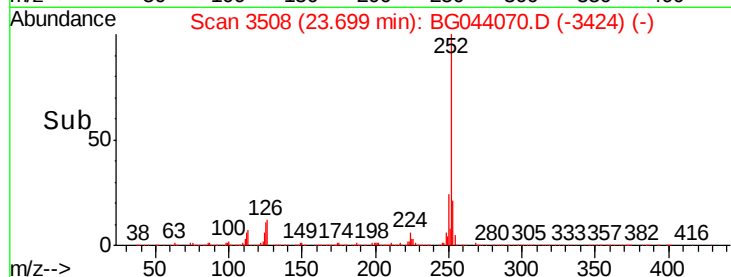
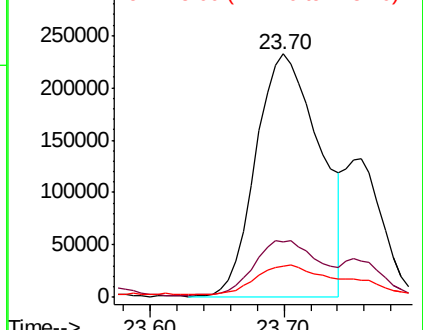


Abundance

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: 24.451 ng

RT: 23.70 min Scan# 3508

Delta R.T. -0.10 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

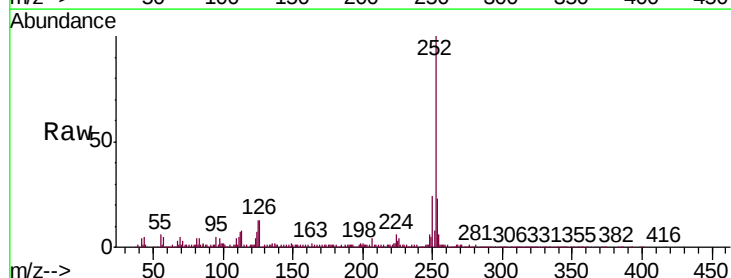
Tgt Ion:252 Resp: 765838

Ion Ratio Lower Upper

252 100

253 23.0 19.4 29.2

125 12.7 9.9 14.9

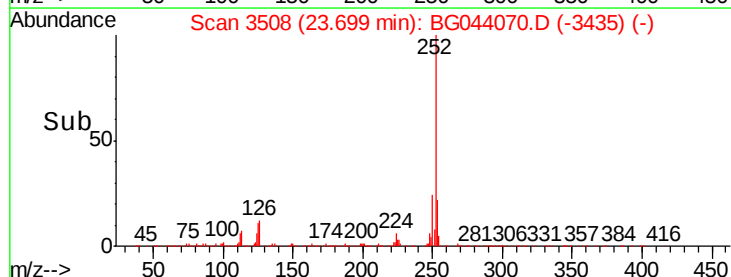
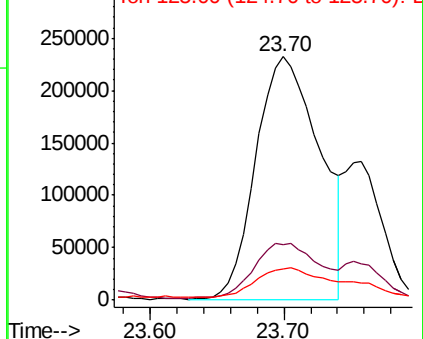


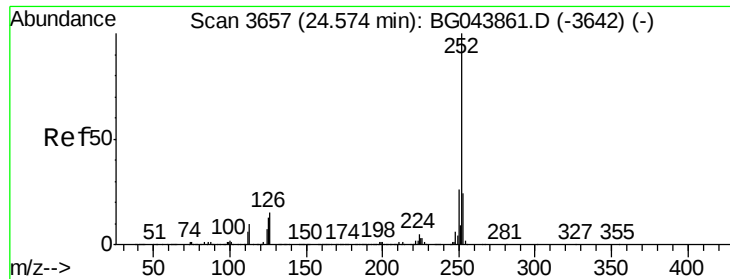
Abundance

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





#90

Benzo(a)pyrene

Concen: 18.767 ng

RT: 24.53 min Scan# 3650

Delta R.T. -0.04 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

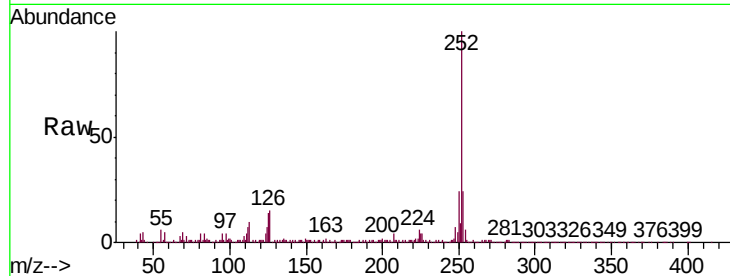
Tgt Ion:252 Resp: 583422

Ion Ratio Lower Upper

252 100

253 23.7 19.3 28.9

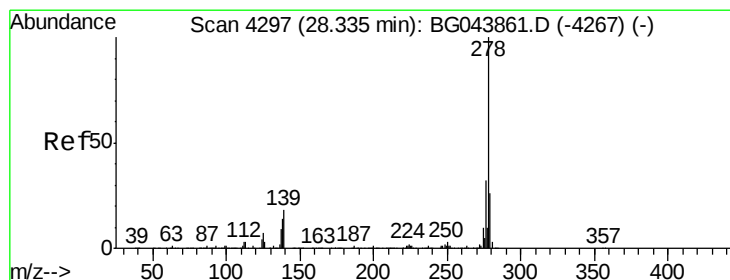
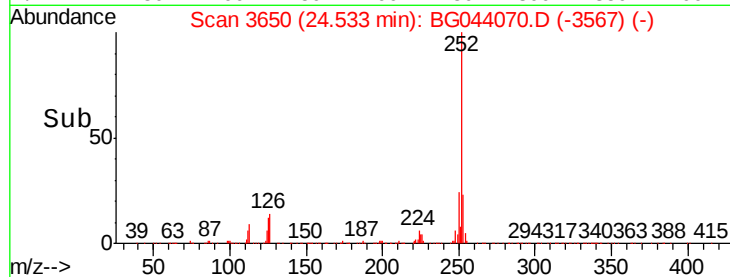
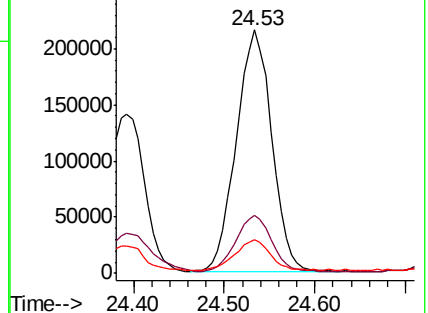
125 13.7 10.4 15.6



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



#91

Dibenzo(a,h)anthracene

Concen: 3.192 ng

RT: 28.25 min Scan# 4282

Delta R.T. -0.09 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

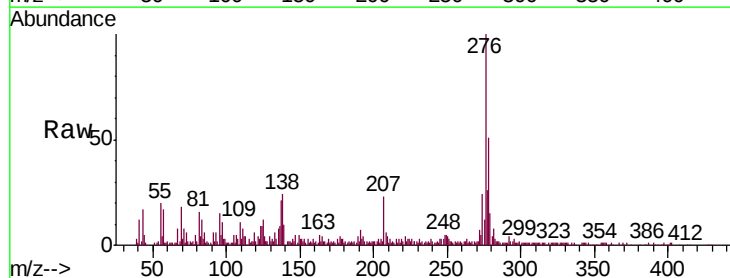
Tgt Ion:278 Resp: 99657

Ion Ratio Lower Upper

278 100

139 19.9 14.2 21.4

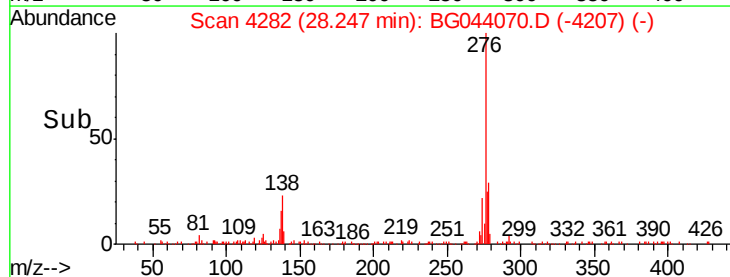
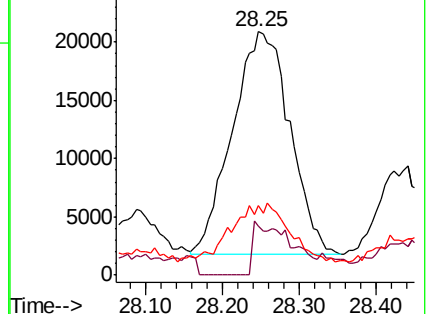
279 28.6 20.6 30.8

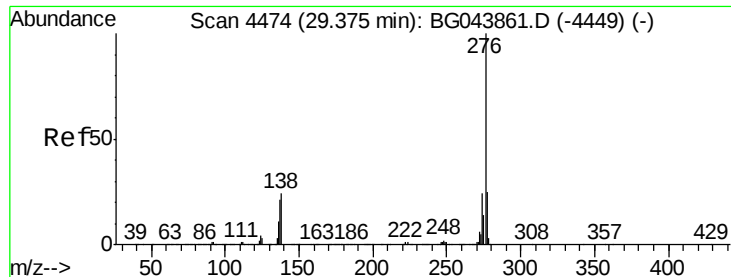


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 13.148 ng

RT: 29.31 min Scan# 4463

Delta R.T. -0.06 min

Lab File: BG044070.D

Acq: 16 Jan 2020 16:02

Instrument :

BNA_G

ClientSampleId :

BW-1-3.0

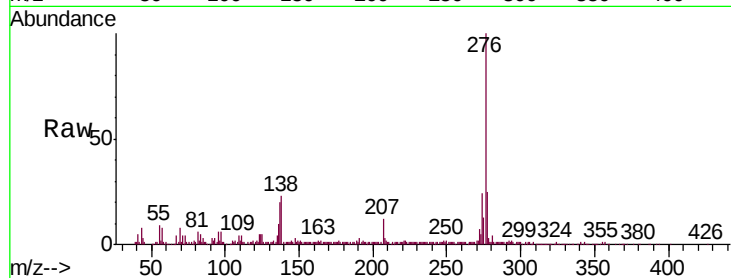
Tgt Ion: 276 Resp: 407731

Ion Ratio Lower Upper

276 100

277 24.7 20.2 30.4

138 22.5 19.0 28.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

