

Data File : BG041936.D
Acq On : 4 Aug 2019 10:34
Operator : HP/JU
Sample : K3850-05DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP4DL

Quant Time: Aug 05 01:22:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 01:19:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	90381	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	384428	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	271014	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	567029	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	551234	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	652199	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	964	0.47	ng/uL	0.00
5) Phenol-d5	7.18	99	21245	3.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	12753	3.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	21638	3.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	17378	2.92	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	10040	3.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	12115	3.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	23596	3.48	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	7011	0.93	ng/ul	0.01
43) Dimethylphthalate-d6	14.09	166	82942	3.95	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	95440	3.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	6805	1.93	ng/ul	0.02
57) Fluorene-d10	15.68	176	75983	4.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	5772	1.59	ng/ul	0.00
70) Anthracene-d10	17.54	188	119262	4.38	ng/ul	0.00
78) Pyrene-d10	19.83	212	132518	4.31	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.78	264	138399	4.06	ng/ul	0.00

Target Compounds

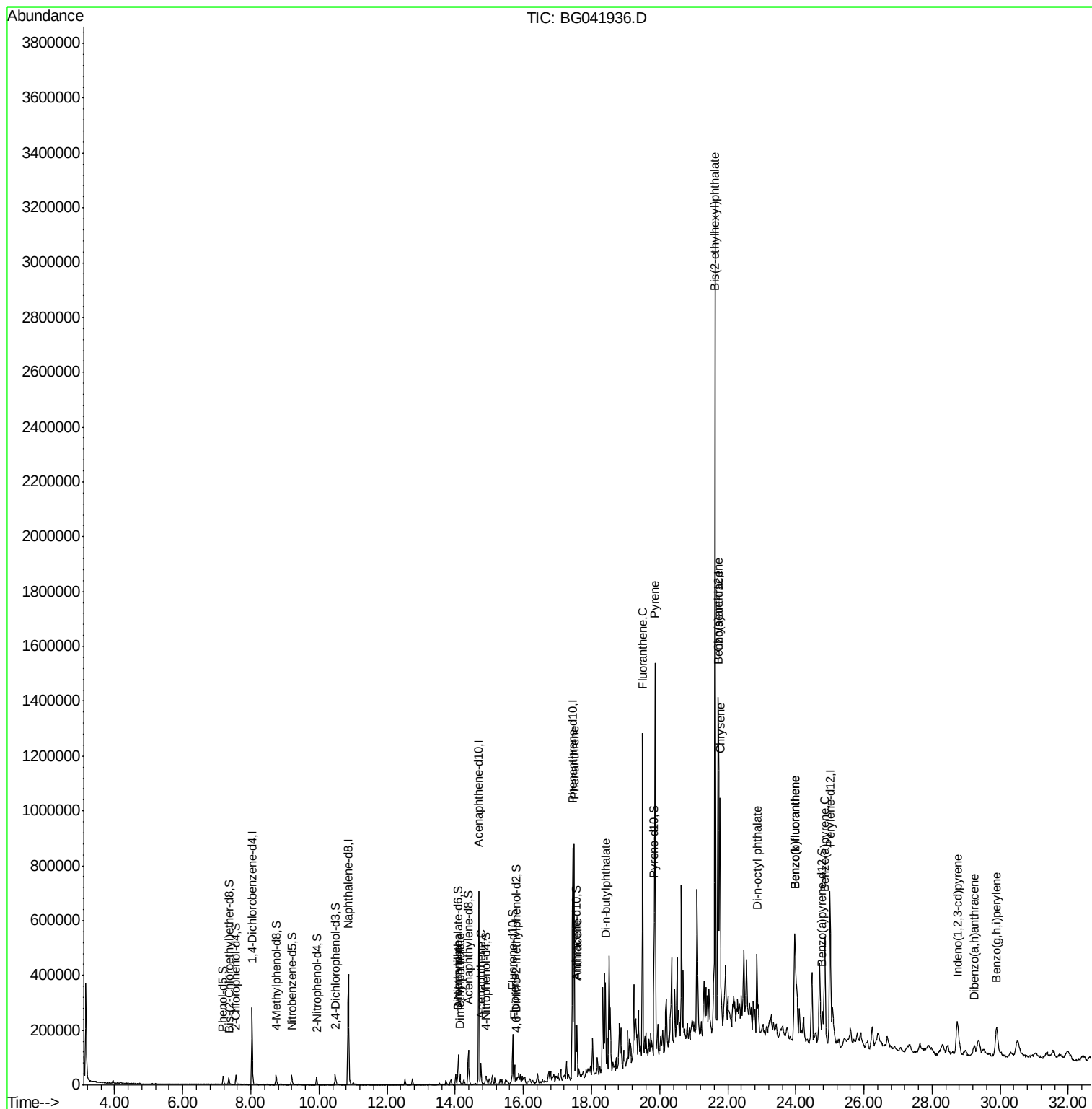
					Qvalue
44) Dimethylphthalate	14.14	163	27891	1.336 ng/ul	98
48) 3-Nitroaniline	14.09	138	4229	1.168 ng/ul#	46
49) Acenaphthene	14.76	153	32975	1.946 ng/ul	98
58) Fluorene	15.74	166	32910	1.616 ng/ul#	95
69) Phenanthrene	17.49	178	580307	18.694 ng/ul	100
71) Anthracene	17.58	178	137412	4.364 ng/ul	98
75) Di-n-butylphthalate	18.41	149	245124	7.626 ng/ul	97
76) Fluoranthene	19.50	202	733144	20.441 ng/ul	99
79) Pyrene	19.86	202	990900	26.724 ng/ul	99
82) Benzo(a)anthracene	21.71	228	582253	15.234 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.62	149	1431636	71.893 ng/ul	95
84) Chrysene	21.78	228	647124	18.141 ng/ul	97
86) Di-n-octyl phthalate	22.86	149	272742	8.452 ng/ul	100
87) Benzo(b)fluoranthene	23.97	252	550795	13.457 ng/ul	99
88) Benzo(k)fluoranthene	23.97	252	550795	13.996 ng/ul	99
90) Benzo(a)pyrene	24.85	252	471836	12.098 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.74	276	222372	4.888 ng/ul	96
92) Dibenzo(a,h)anthracene	29.23	278	43336	1.168 ng/ul	97
93) Benzo(g,h,i)perylene	29.90	276	127287	3.351 ng/ul	99

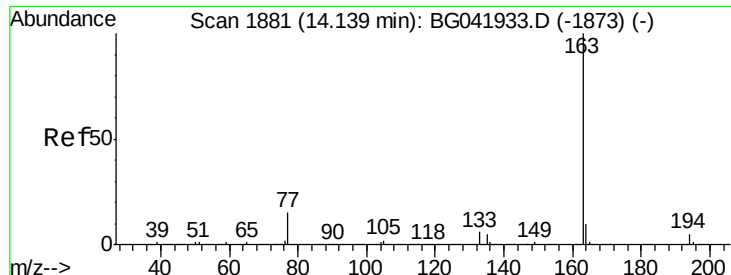
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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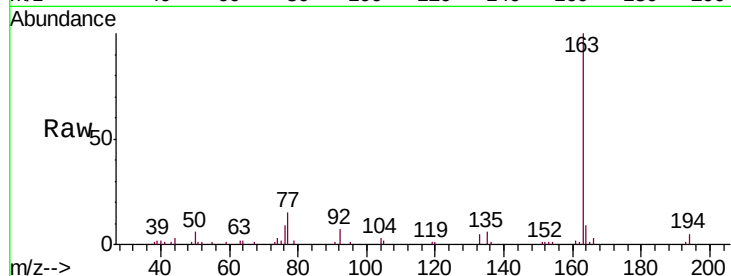




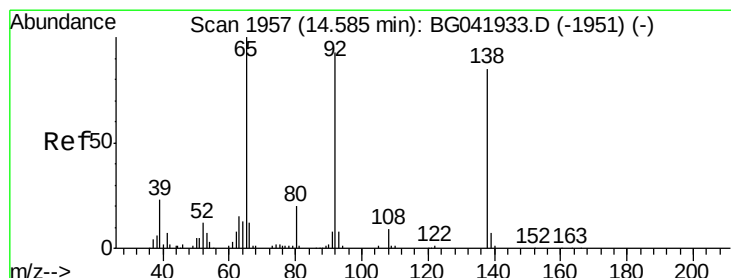
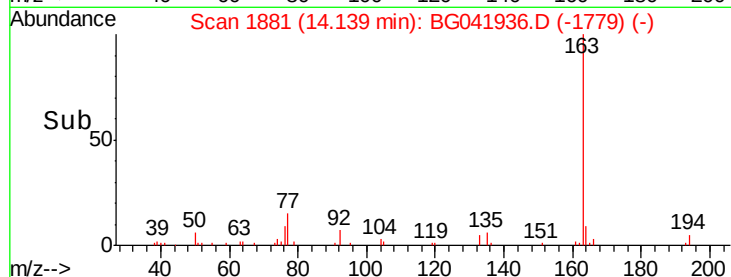
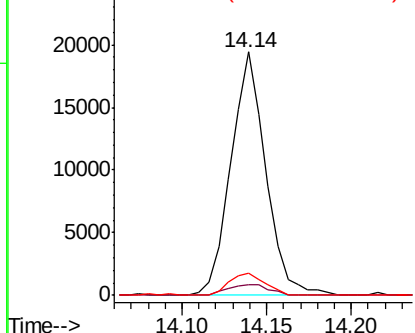
#44
Dimethylphthalate
Concen: 1.336 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. 0.00 min
Lab File: BG041936.D
Acq: 4 Aug 2019 10:34

Instrument :
BNA_G
ClientSampleId :
BENP4DL

Tgt Ion:163 Resp: 27891
Ion Ratio Lower Upper
163 100
194 4.6 4.2 6.2
164 8.9 7.8 11.8

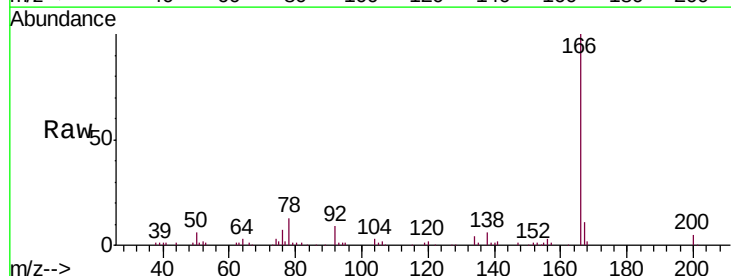


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

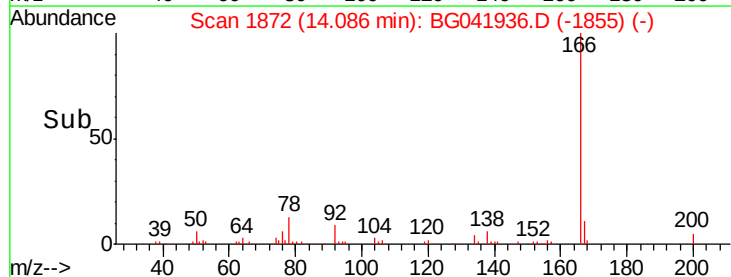
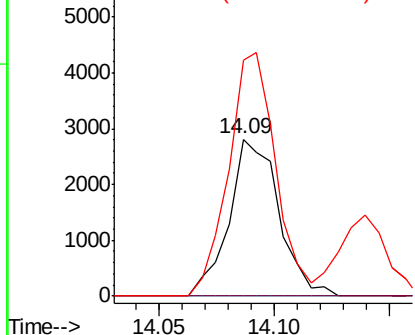


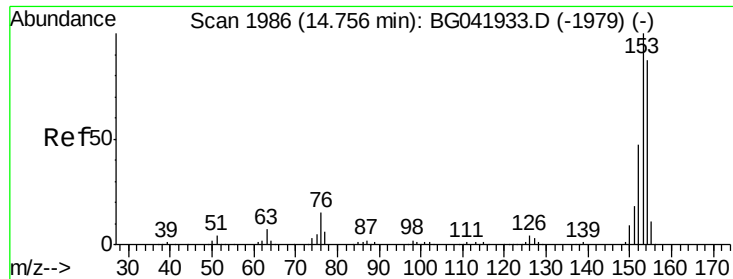
#48
3-Nitroaniline
Concen: 1.168 ng/ul
RT: 14.09 min Scan# 1872
Delta R.T. -0.50 min
Lab File: BG041936.D
Acq: 4 Aug 2019 10:34

Tgt Ion:138 Resp: 4229
Ion Ratio Lower Upper
138 100
108 0.0 7.6 11.4#
92 150.4 76.4 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGO





#49

Acenaphthene

Concen: 1.946 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

ClientSampleId :

BENP4DL

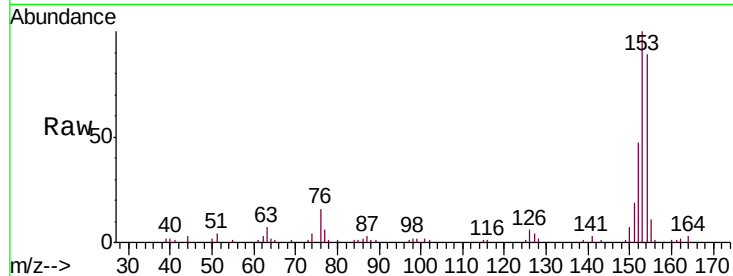
Tgt Ion:153 Resp: 32975

Ion Ratio Lower Upper

153 100

152 47.5 37.8 56.8

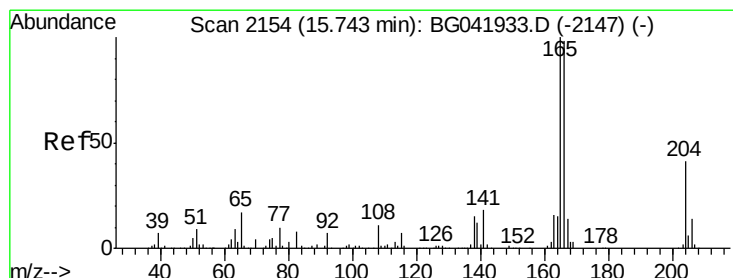
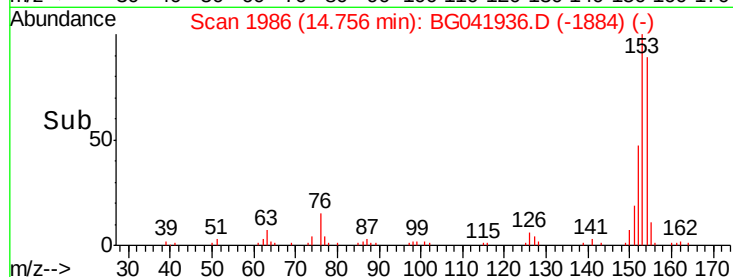
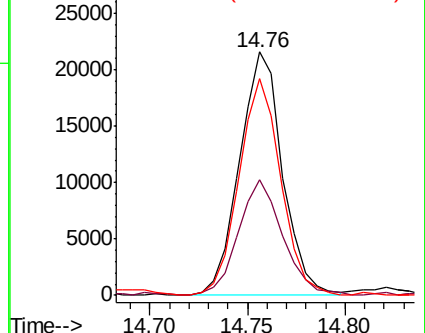
154 88.8 69.4 104.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 1.616 ng/ul

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

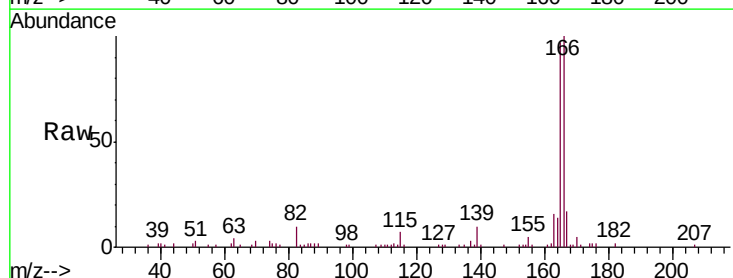
Tgt Ion:166 Resp: 32910

Ion Ratio Lower Upper

166 100

165 97.1 81.1 121.7

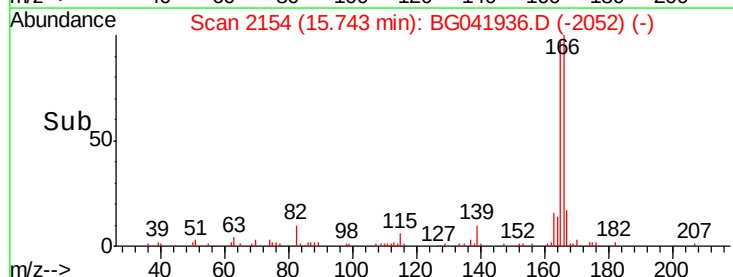
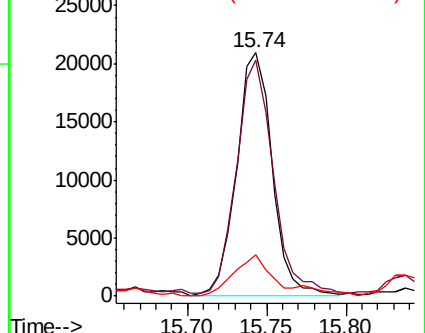
167 17.1 11.0 16.4#

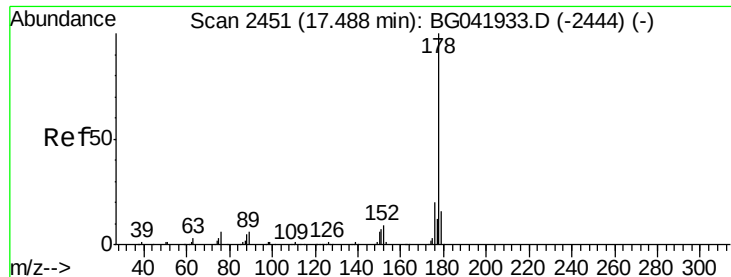


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 18.694 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

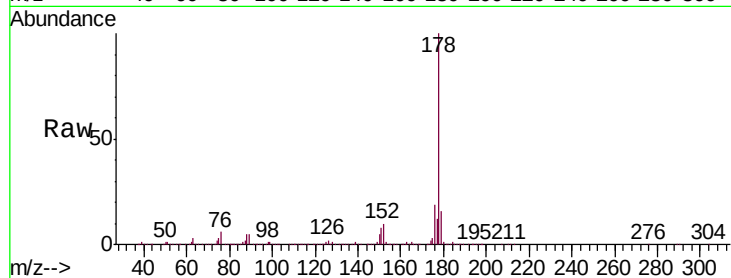
BNA_G

ClientSampleId :

BENP4DL

Tgt Ion:178 Resp: 580307

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.8	19.2
176	19.2	15.4	23.2

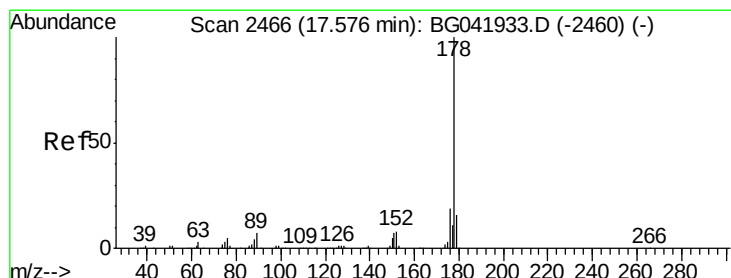
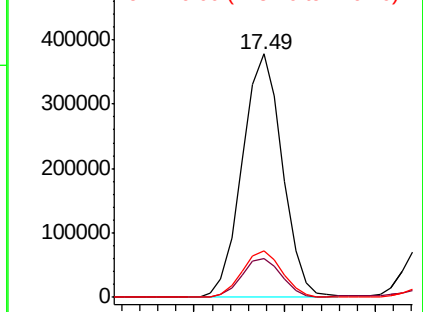
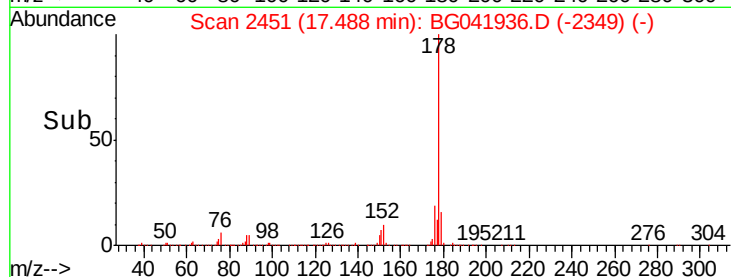


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 4.364 ng/ul

RT: 17.58 min Scan# 2466

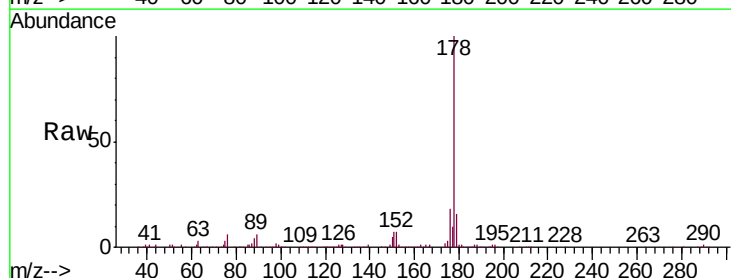
Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Tgt Ion:178 Resp: 137412

Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.4	20.0
176	18.4	15.4	23.2

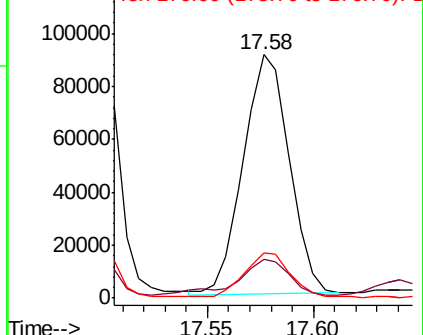
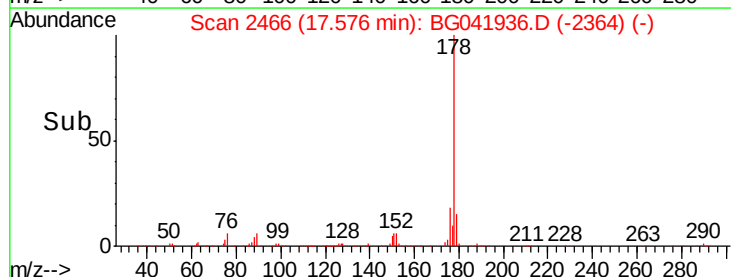


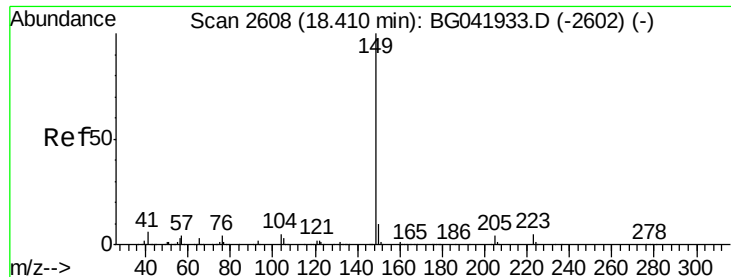
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

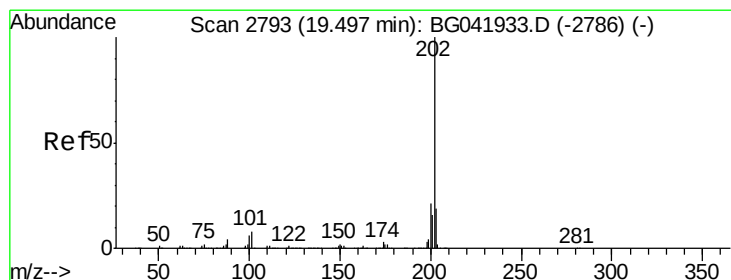
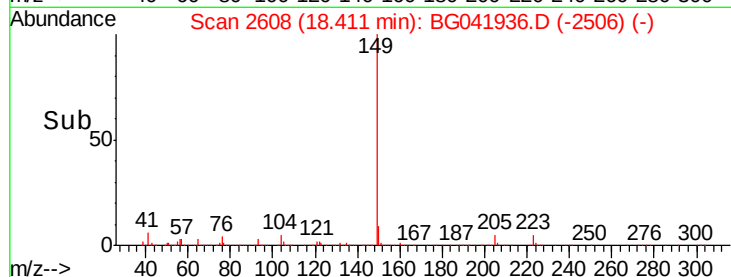
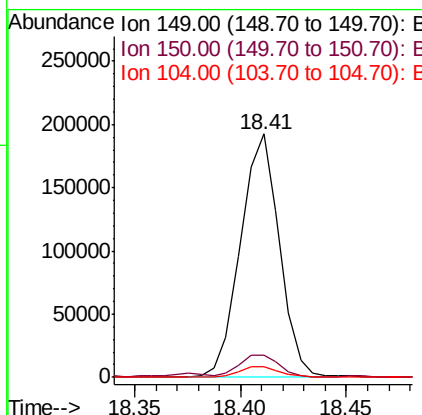
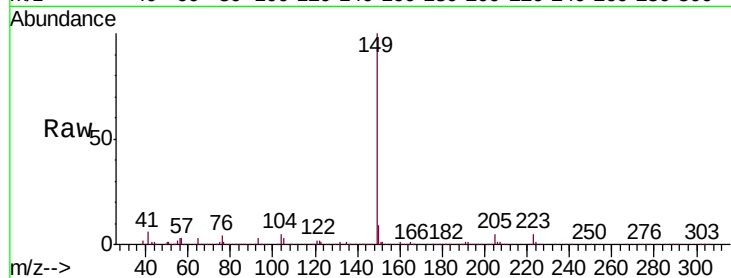




#75
Di-n-butylphthalate
Concen: 7.626 ng/ul
RT: 18.41 min Scan# 2608
Delta R.T. 0.00 min
Lab File: BG041936.D
Acq: 4 Aug 2019 10:34

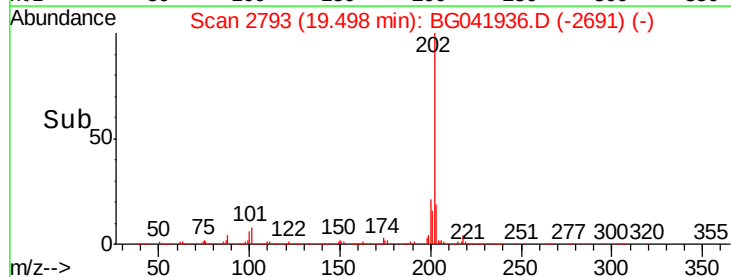
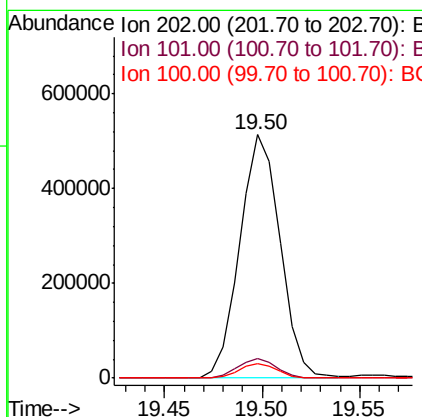
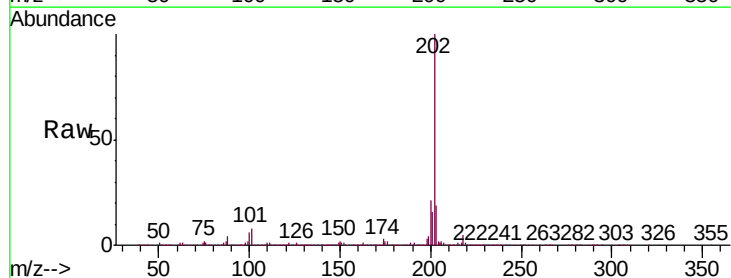
Instrument :
BNA_G
ClientSampleID :
BENP4DL

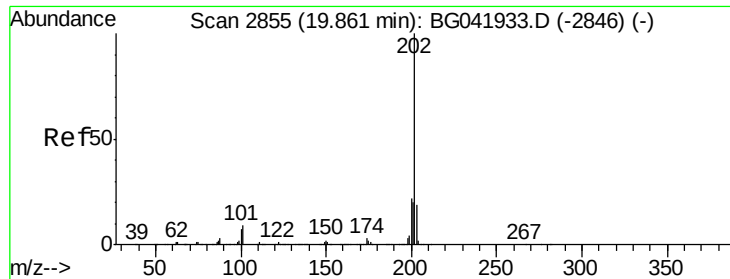
Tgt Ion:	149	Resp:	245124
Ion	Ratio	Lower	Upper
149	100		
150	9.1	8.3	12.5
104	4.6	3.9	5.9



#76
Fluoranthene
Concen: 20.441 ng/ul
RT: 19.50 min Scan# 2793
Delta R.T. 0.00 min
Lab File: BG041936.D
Acq: 4 Aug 2019 10:34

Tgt Ion:	202	Resp:	733144
Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.7	10.1
100	6.1	5.3	7.9

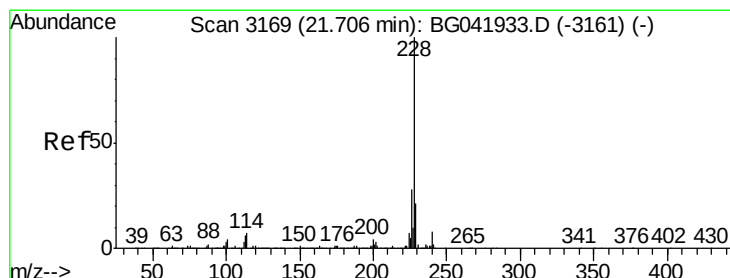
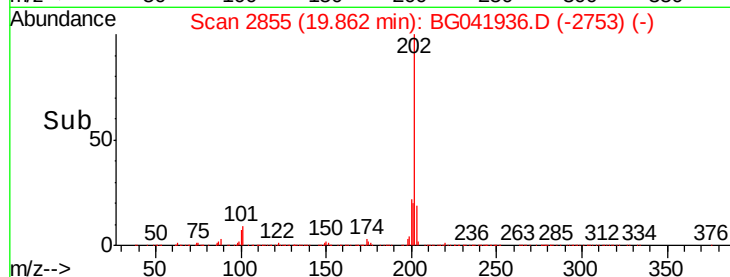
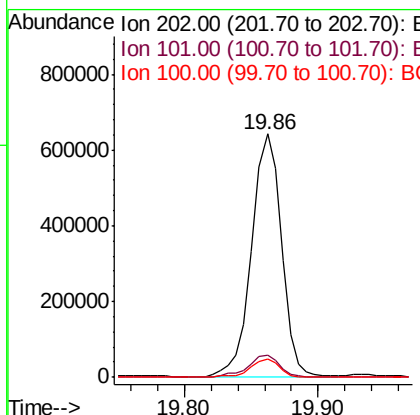
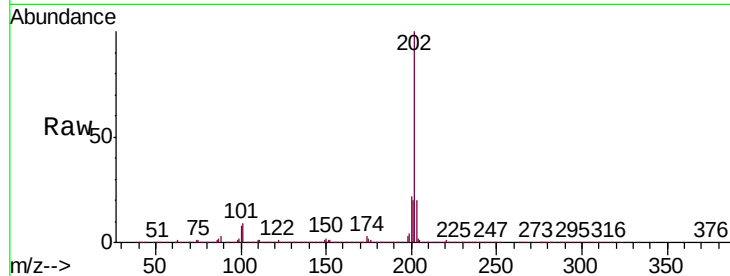




#79
 Pyrene
 Concen: 26.724 ng/ul
 RT: 19.86 min Scan# 2855
 Delta R.T. 0.00 min
 Lab File: BG041936.D
 Acq: 4 Aug 2019 10:34

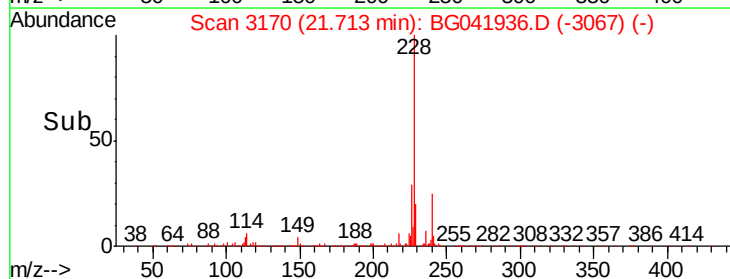
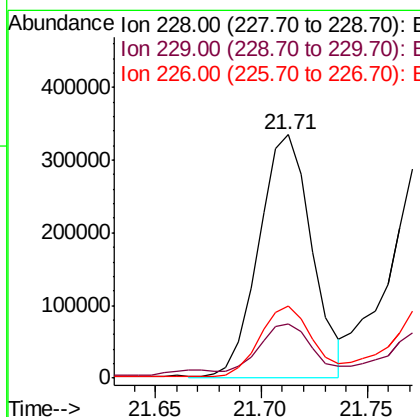
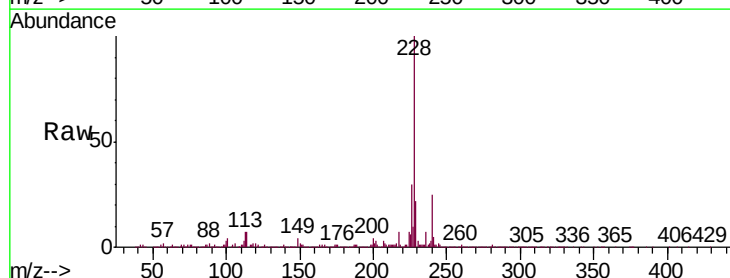
Instrument :
 BNA_G
 ClientSampleId :
 BENP4DL

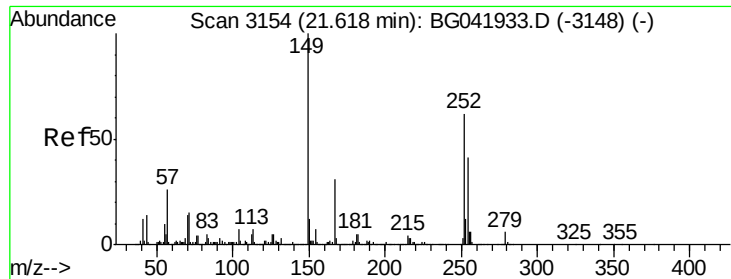
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.6	11.4
100	7.5	6.5	9.7



#82
 Benzo(a)anthracene
 Concen: 15.234 ng/ul
 RT: 21.71 min Scan# 3170
 Delta R.T. 0.01 min
 Lab File: BG041936.D
 Acq: 4 Aug 2019 10:34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.3	17.0	25.6
226	29.5	23.3	34.9

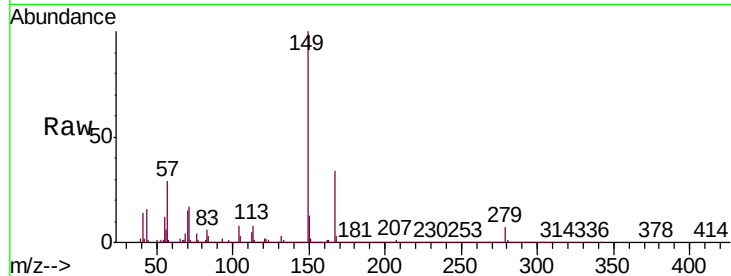




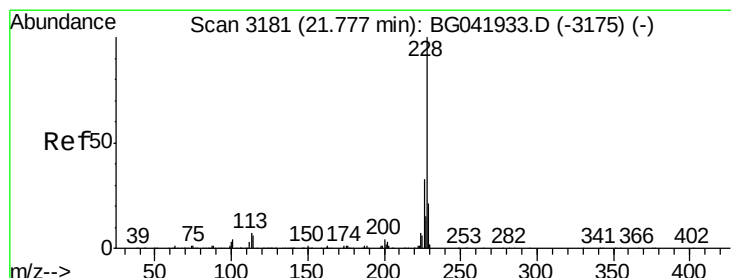
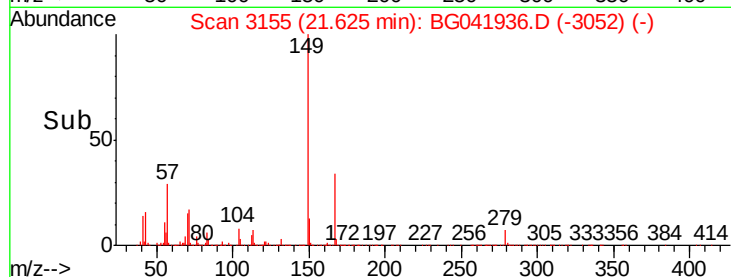
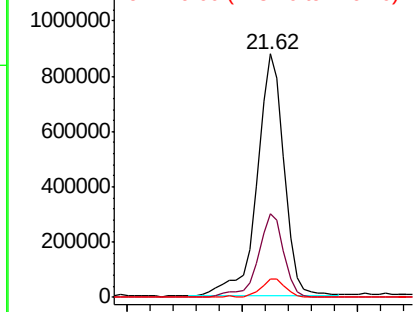
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 71.893 ng/ul
 RT: 21.62 min Scan# 3155
 Delta R.T. 0.01 min
 Lab File: BG041936.D
 Acq: 4 Aug 2019 10:34

Instrument :
 BNA_G
 ClientSampleID :
 BENP4DL

Tgt Ion:149 Resp: 1431636
 Ion Ratio Lower Upper
 149 100
 167 34.4 25.0 37.4
 279 7.3 5.2 7.8

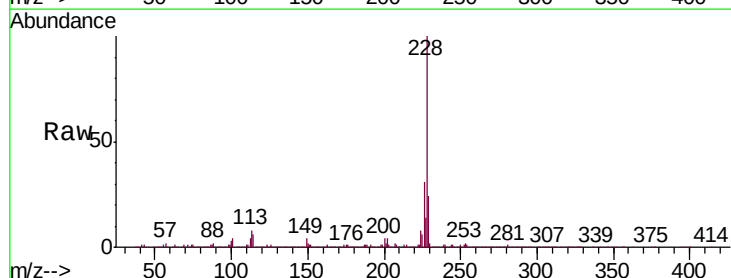


Abundance Ion 149.00 (148.70 to 149.70): E
 1200000
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

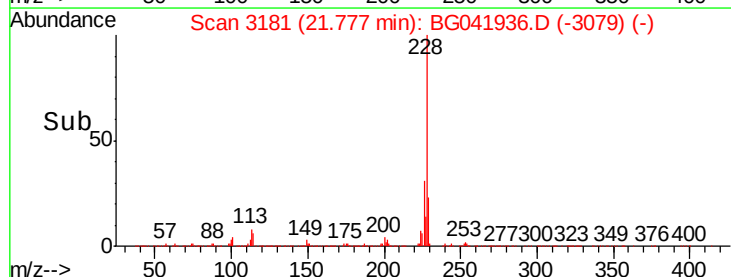
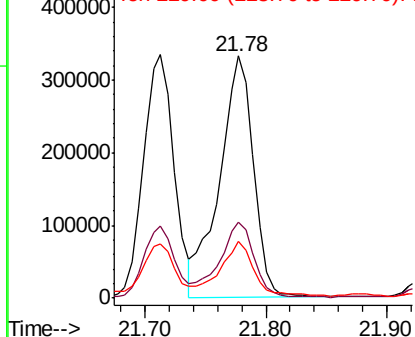


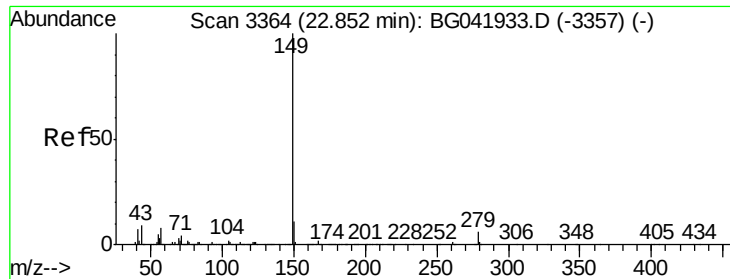
#84
 Chrysene
 Concen: 18.141 ng/ul
 RT: 21.78 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: BG041936.D
 Acq: 4 Aug 2019 10:34

Tgt Ion:228 Resp: 647124
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.7 38.5
 229 23.5 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
 400000
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 8.452 ng/ul

RT: 22.86 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

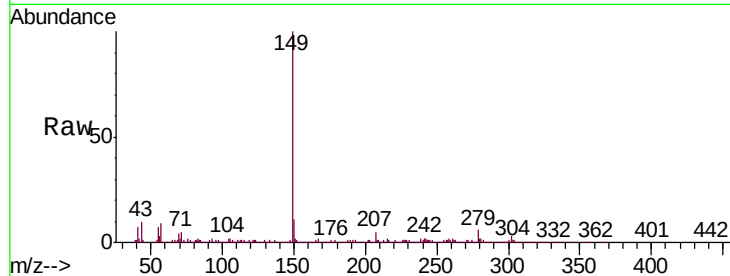
Instrument :

BNA_G

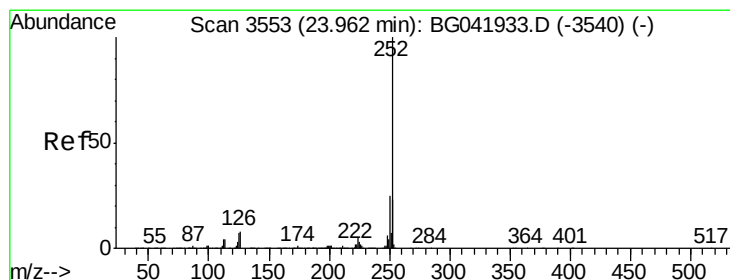
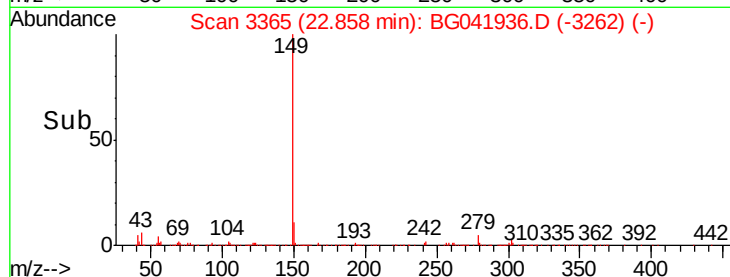
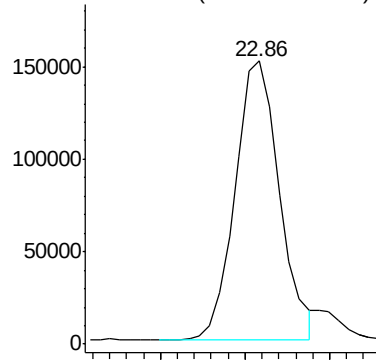
ClientSampleId :

BENP4DL

Tgt Ion:149 Resp: 272742



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 13.457 ng/ul

RT: 23.97 min Scan# 3554

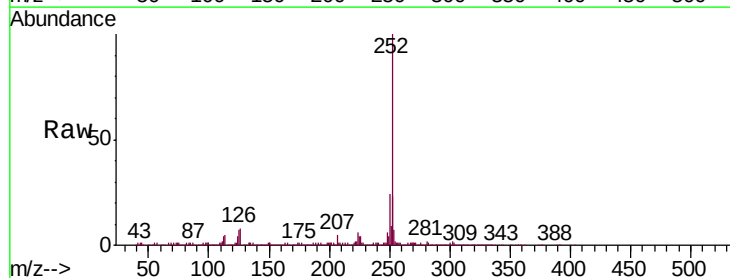
Delta R.T. 0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Tgt Ion:252 Resp: 550795

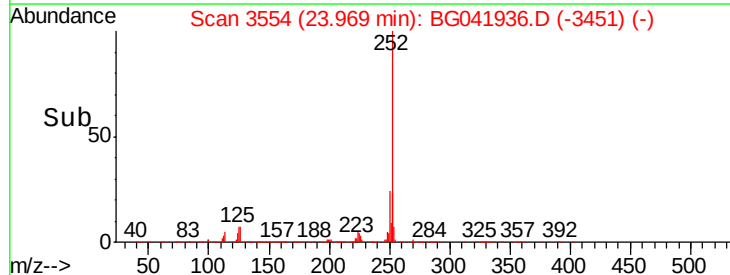
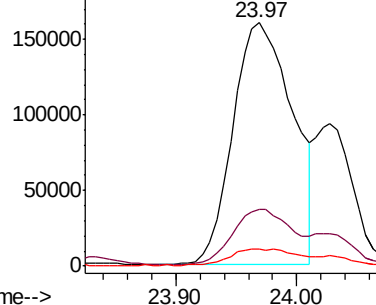
Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	7.2	5.8	8.8

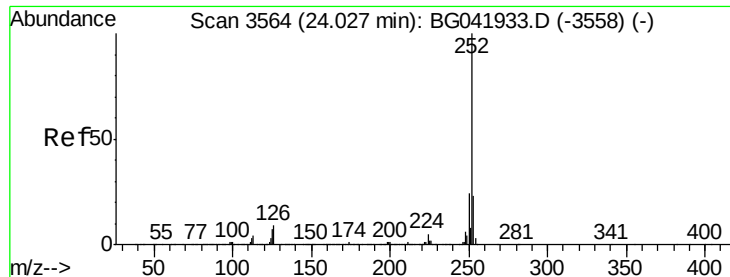


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 13.996 ng/ul

RT: 23.97 min Scan# 3554

Delta R.T. -0.06 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

ClientSampleId :

BENP4DL

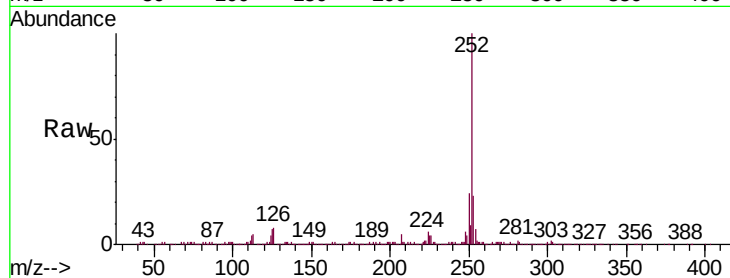
Tgt Ion:252 Resp: 550795

Ion Ratio Lower Upper

252 100

253 23.3 18.3 27.5

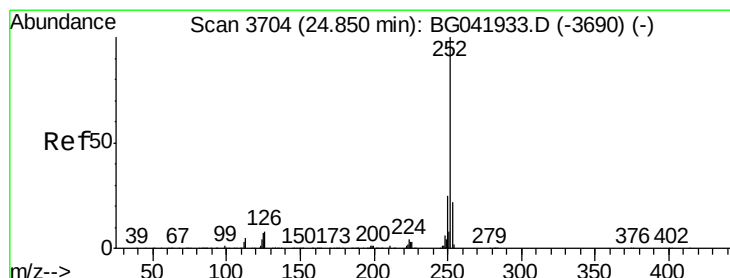
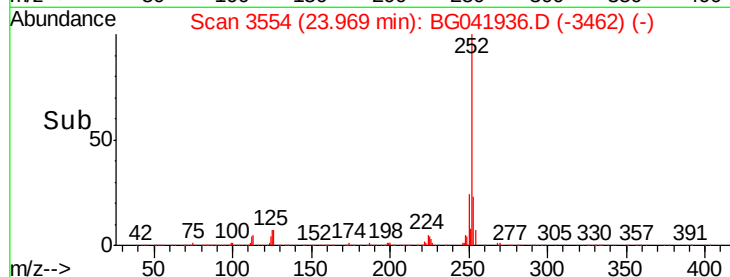
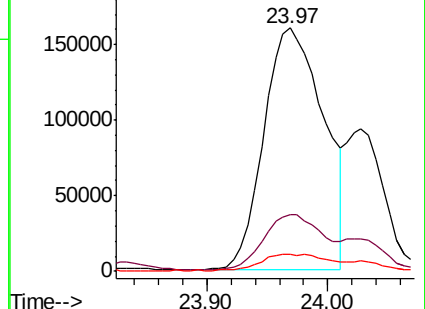
125 7.2 5.5 8.3



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: 12.098 ng/ul

RT: 24.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

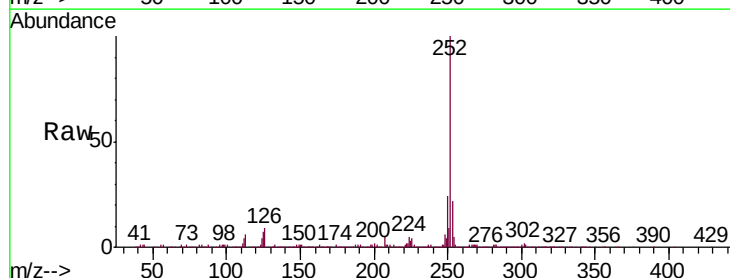
Tgt Ion:252 Resp: 471836

Ion Ratio Lower Upper

252 100

253 22.0 18.3 27.5

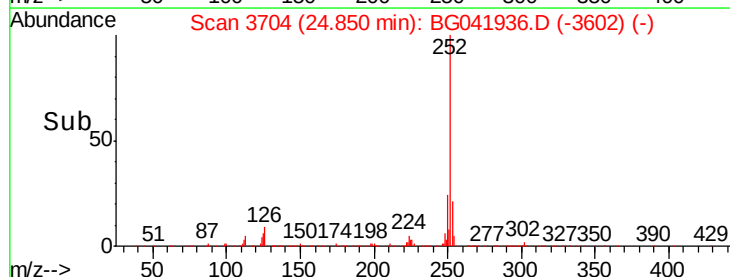
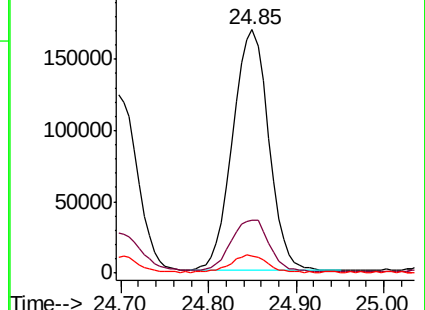
125 6.8 6.5 9.7

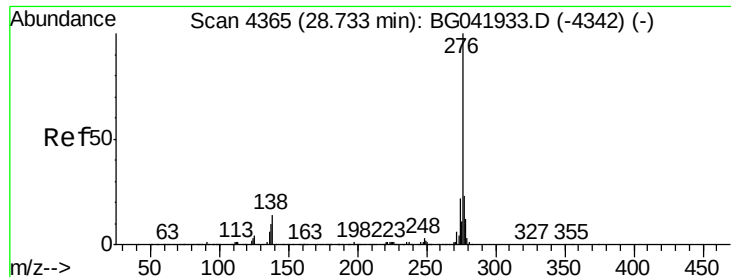


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 4.888 ng/ul

RT: 28.74 min Scan# 4366

Delta R.T. 0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

ClientSampleId :

BENP4DL

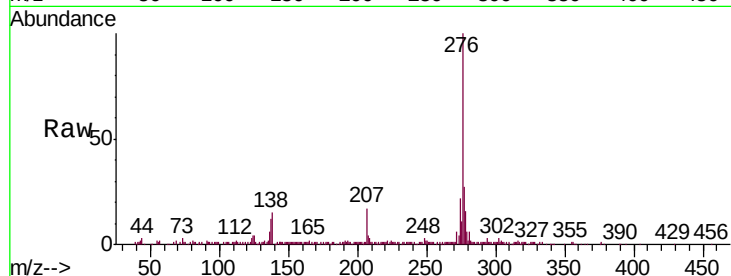
Tgt Ion:276 Resp: 222372

Ion Ratio Lower Upper

276 100

138 14.5 12.0 18.0

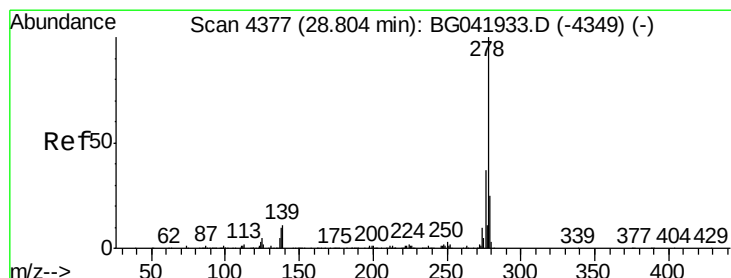
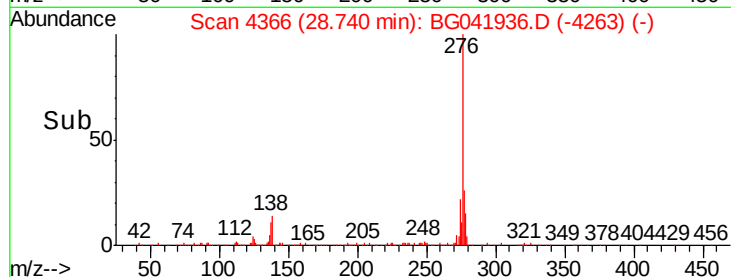
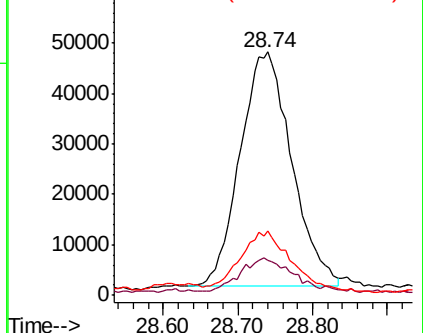
277 26.6 19.2 28.8



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



#92

Dibenzo(a,h)anthracene

Concen: 1.168 ng/ul

RT: 29.23 min Scan# 4449

Delta R.T. 0.42 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

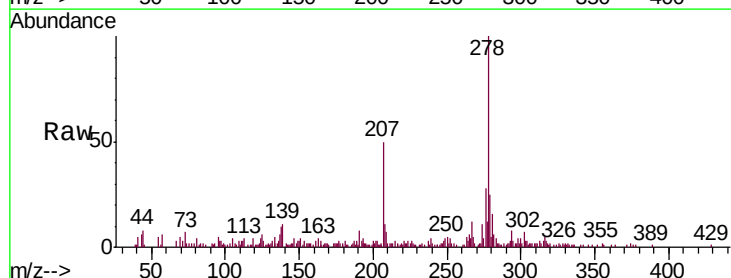
Tgt Ion:278 Resp: 43336

Ion Ratio Lower Upper

278 100

139 10.6 9.4 14.0

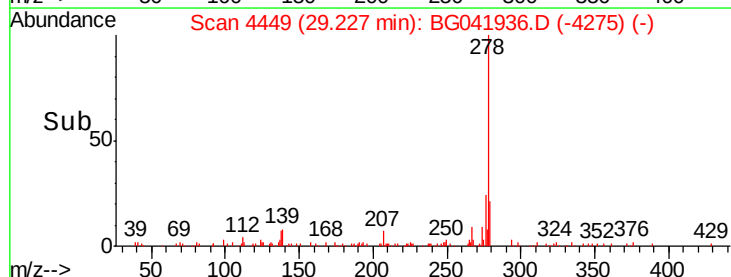
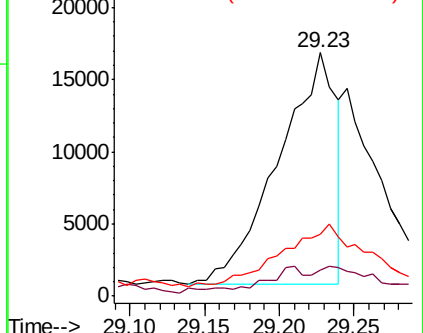
279 25.3 19.2 28.8

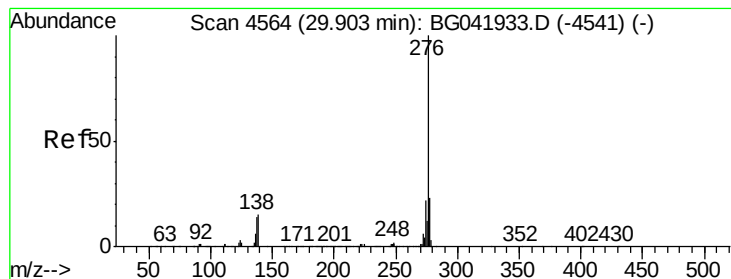


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 3.351 ng/ul

RT: 29.90 min Scan# 4563

Delta R.T. -0.01 min

Lab File: BG041936.D

Acq: 4 Aug 2019 10:34

Instrument :

BNA_G

ClientSampleId :

BENP4DL

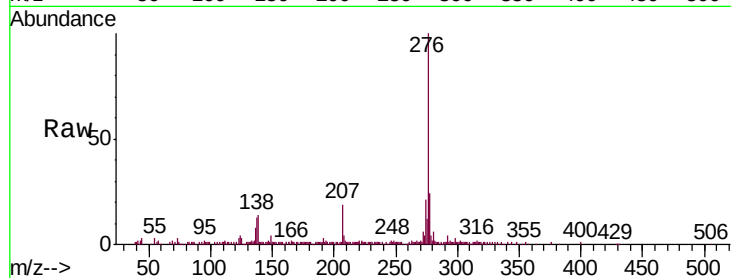
Tgt Ion:276 Resp: 127287

Ion Ratio Lower Upper

276 100

138 14.5 12.6 18.8

277 23.8 19.2 28.8



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

