

Data File : BG041935.D
Acq On : 4 Aug 2019 9:56
Operator : HP/JU
Sample : K3850-01DL 2X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENPODL

Quant Time: Aug 05 01:22:11 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	96083	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	402636	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	276570	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	580371	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	570431	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	669654	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	2890	1.32	ng/uL	0.00
5) Phenol-d5	7.18	99	55218	7.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	37717	8.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	57381	8.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	42765	6.76	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	29320	9.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	34707	9.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	60518	8.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	25142	3.19	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	208014	9.70	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	244294	9.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	16689	4.63	ng/ul	0.00
57) Fluorene-d10	15.69	176	186722	9.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	15110	4.06	ng/ul	0.00
70) Anthracene-d10	17.54	188	280215	10.06	ng/ul	0.00
78) Pyrene-d10	19.84	212	317953	9.99	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.78	264	344264	9.84	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.91	128	53488	2.599 ng/ul	99
34) 2-Methylnaphthalene	12.52	142	54751	3.347 ng/ul	95
40) 1,1'-Biphenyl	13.53	154	22405	1.114 ng/ul	97
44) Dimethylphthalate	14.14	163	63481	2.981 ng/ul	98
49) Acenaphthene	14.76	153	147825	8.549 ng/ul	99
53) Dibenzofuran	15.09	168	93684	3.630 ng/ul	100
58) Fluorene	15.74	166	134366	6.464 ng/ul	96
69) Phenanthrene	17.49	178	1530367	48.166 ng/ul	94
71) Anthracene	17.58	178	419863	13.029 ng/ul	100
74) Carbazole	17.84	167	77787	2.914 ng/ul	98
76) Fluoranthene	19.50	202	1830131	49.853 ng/ul	97
79) Pyrene	19.50	202	1830131	47.696 ng/ul	99
82) Benzo(a)anthracene	21.71	228	1289648	32.607 ng/ul	96
84) Chrysene	21.78	228	1265134	34.272 ng/ul	95
87) Benzo(b)fluoranthene	23.97	252	1234154	29.368 ng/ul	98
88) Benzo(k)fluoranthene	23.97	252	1234154	30.544 ng/ul	98
90) Benzo(a)pyrene	24.85	252	1048987	26.195 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	28.75	276	514733	11.020 ng/ul	97
92) Dibenzo(a,h)anthracene	28.78	278	88801	2.331 ng/ul	94
93) Benzo(g,h,i)perylene	29.91	276	508461	13.038 ng/ul	99

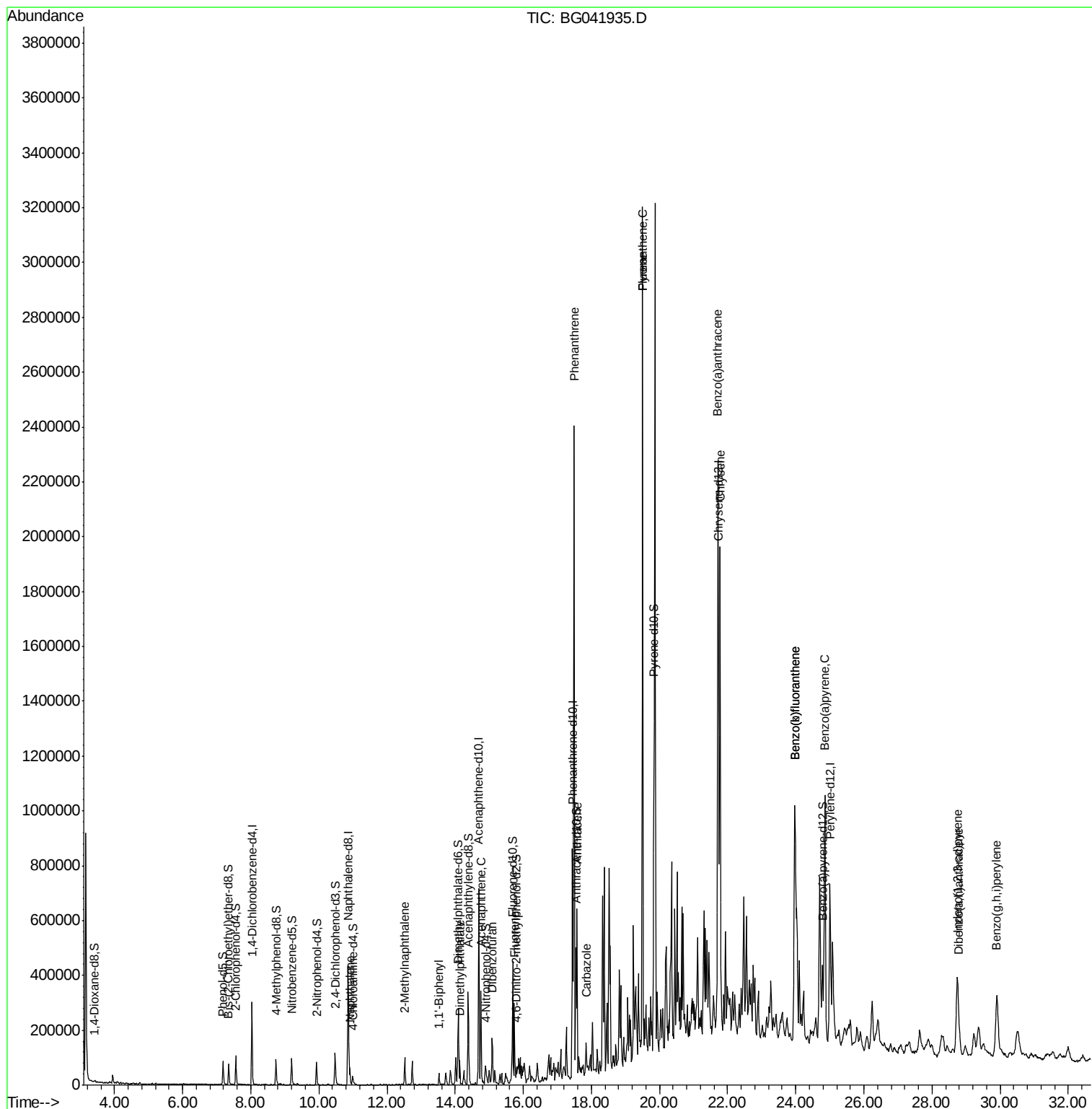
(#) = qualifier out of range (m) = manual integration (+) = signals summed

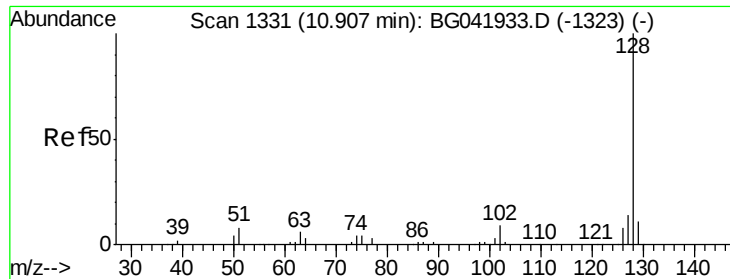
Data File : BG041935.D

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ALS Vial     : 36      Sample Multip
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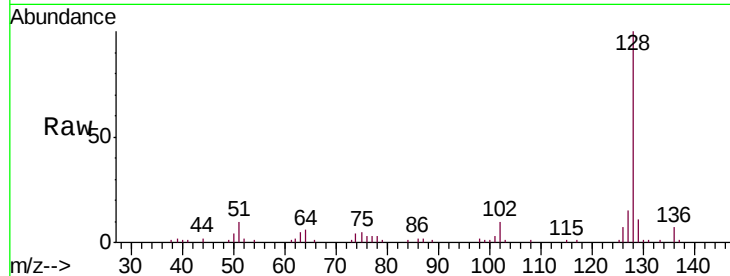




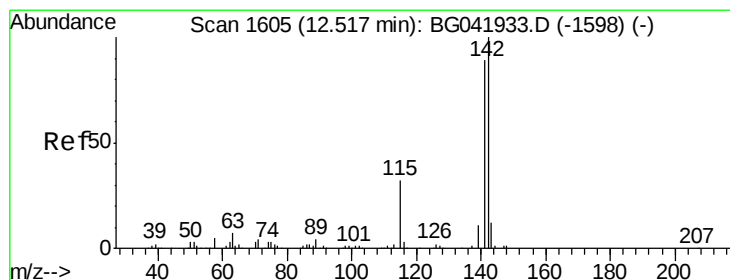
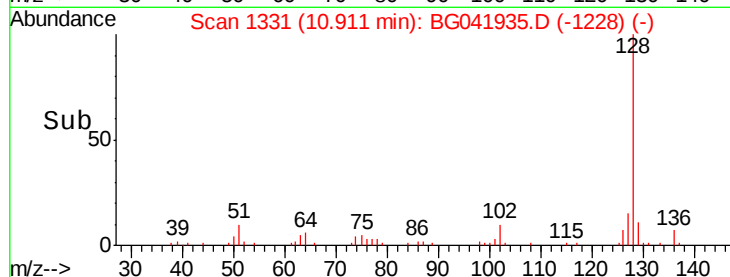
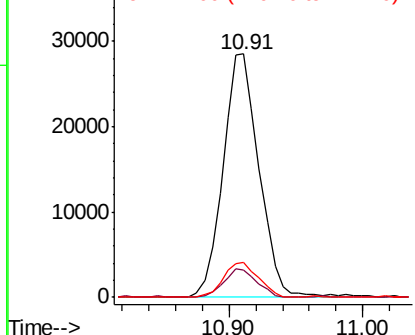
#28
Naphthalene
Concen: 2.599 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Instrument :
BNA_G
ClientSampleId :
BENPODL

Tgt Ion:128 Resp: 53488
Ion Ratio Lower Upper
128 100
129 11.3 9.5 14.3
127 14.5 11.4 17.0

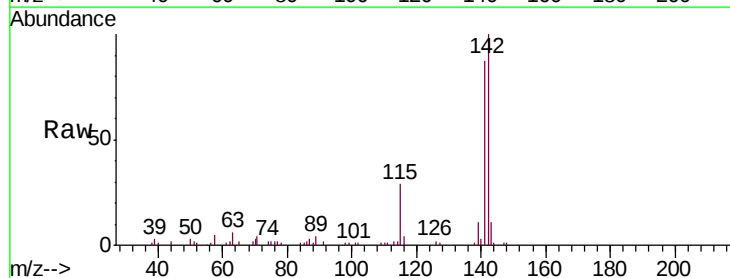


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

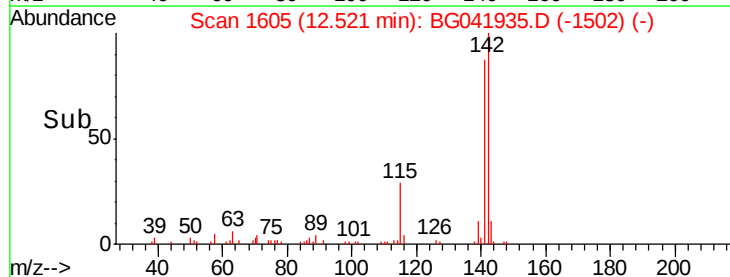
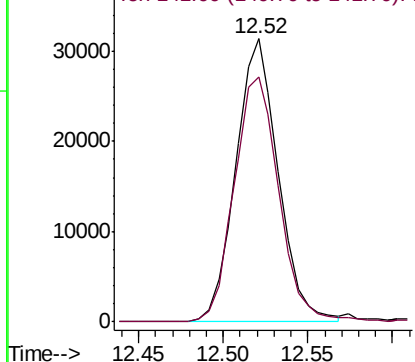


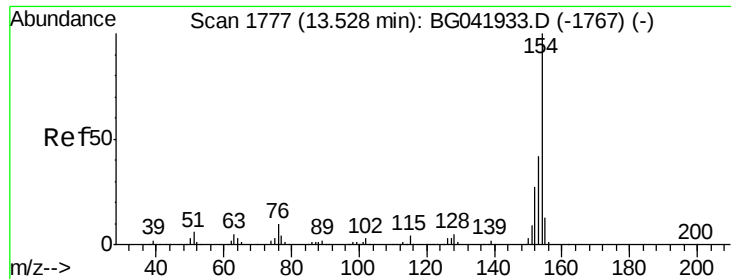
#34
2-Methylnaphthalene
Concen: 3.347 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BG041935.D
Acq: 4 Aug 2019 9:56

Tgt Ion:142 Resp: 54751
Ion Ratio Lower Upper
142 100
141 86.6 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

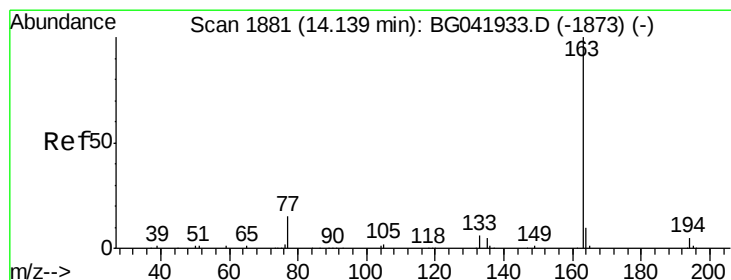
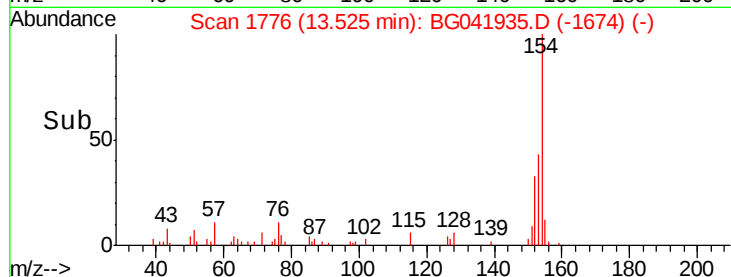
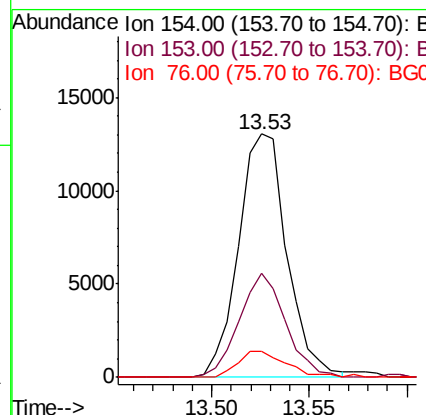
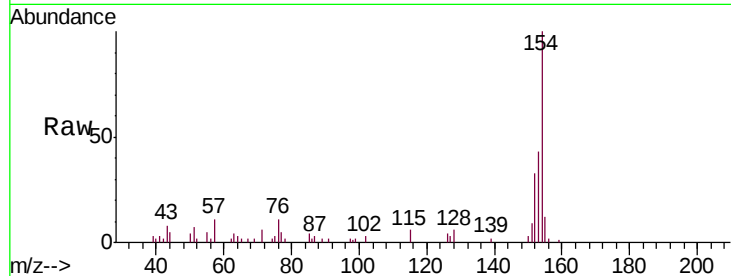




#40
 1,1'-Biphenyl
 Concen: 1.114 ng/ul
 RT: 13.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BG041935.D
 Acq: 4 Aug 2019 9:56

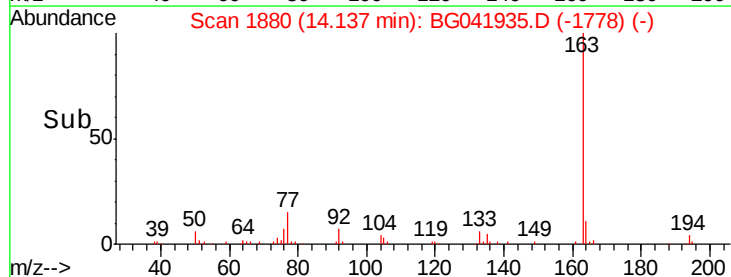
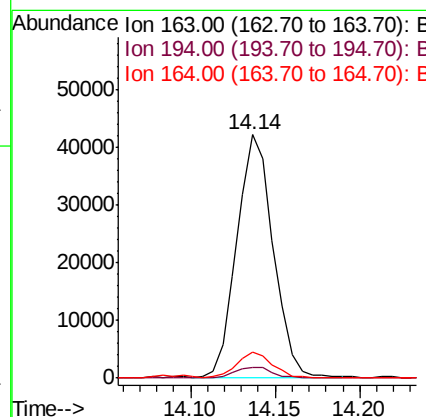
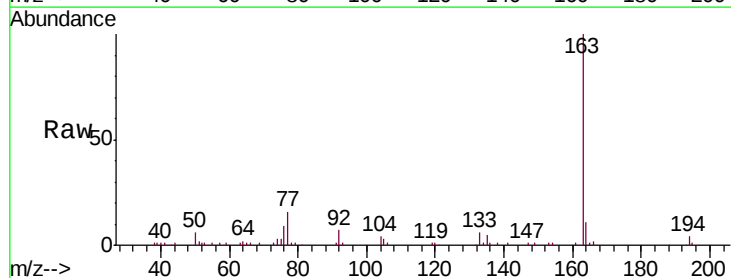
Instrument :
 BNA_G
 ClientSampleId :
 BENPODL

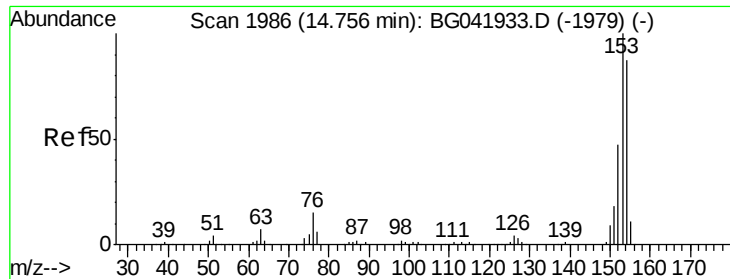
Tgt Ion:154 Resp: 22405
 Ion Ratio Lower Upper
 154 100
 153 42.7 32.6 48.8
 76 10.6 8.6 13.0



#44
 Dimethylphthalate
 Concen: 2.981 ng/ul
 RT: 14.14 min Scan# 1880
 Delta R.T. -0.00 min
 Lab File: BG041935.D
 Acq: 4 Aug 2019 9:56

Tgt Ion:163 Resp: 63481
 Ion Ratio Lower Upper
 163 100
 194 4.4 4.2 6.2
 164 10.7 7.8 11.8





#49

Acenaphthene

Concen: 8.549 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

ClientSampleId :

BENPOLDL

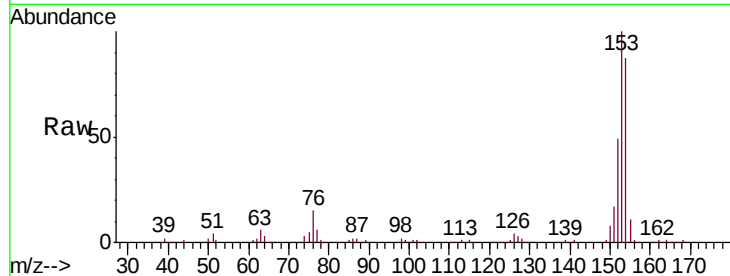
Tgt Ion:153 Resp: 147825

Ion Ratio Lower Upper

153 100

152 48.6 37.8 56.8

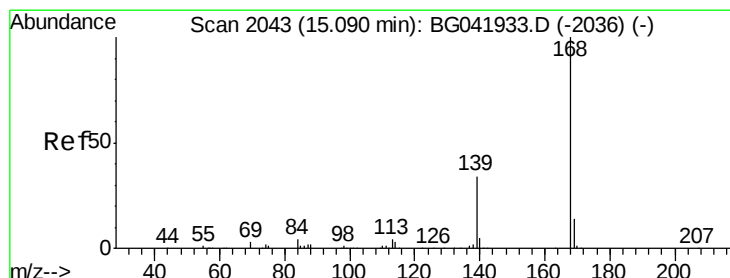
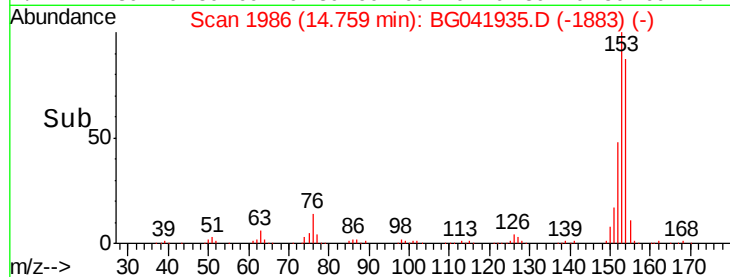
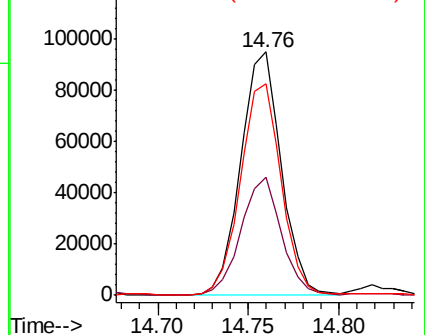
154 86.8 69.4 104.2



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



#53

Dibenzofuran

Concen: 3.630 ng/ul

RT: 15.09 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BG041935.D

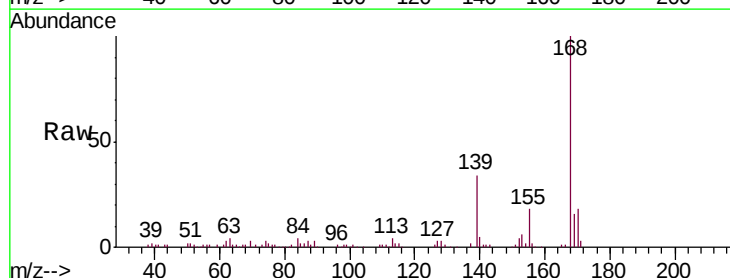
Acq: 4 Aug 2019 9:56

Tgt Ion:168 Resp: 93684

Ion Ratio Lower Upper

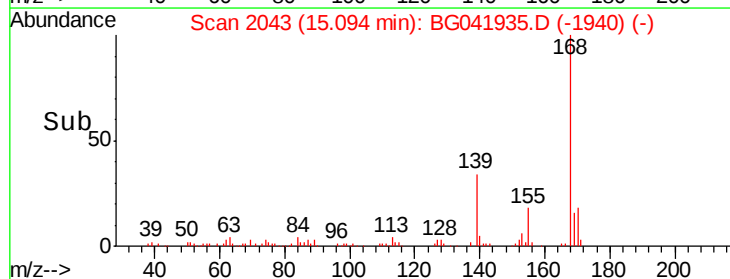
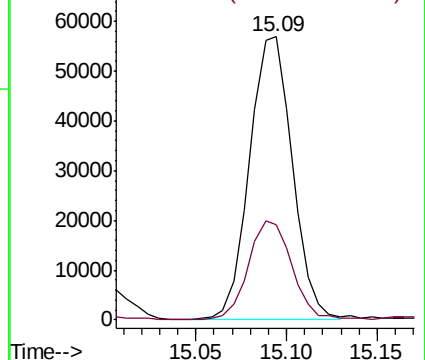
168 100

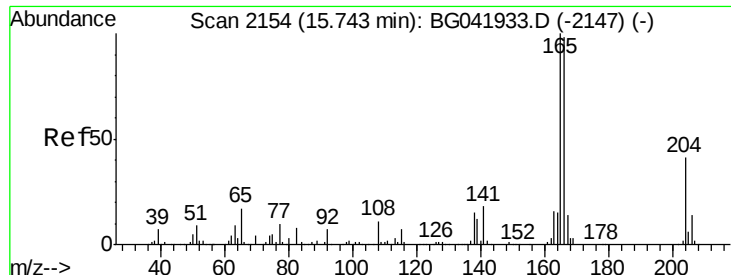
139 33.8 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.464 ng/ul

RT: 15.74 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

ClientSampleId :

BENPOLDL

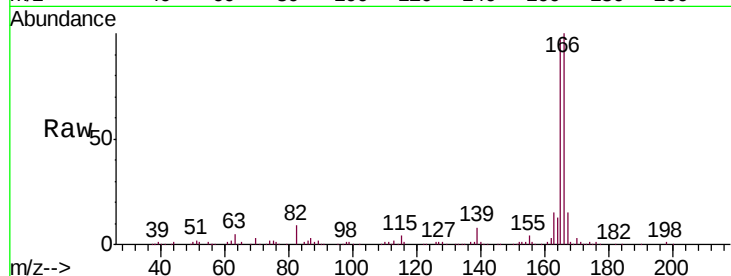
Tgt Ion:166 Resp: 134366

Ion Ratio Lower Upper

166 100

165 97.1 81.1 121.7

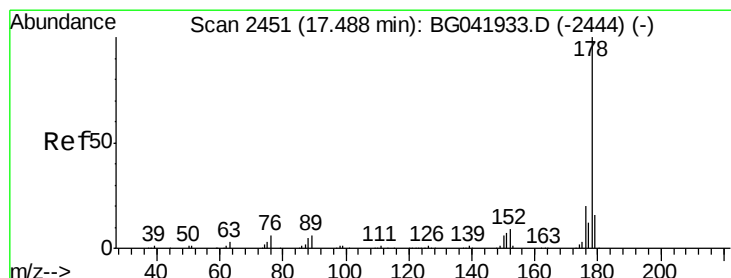
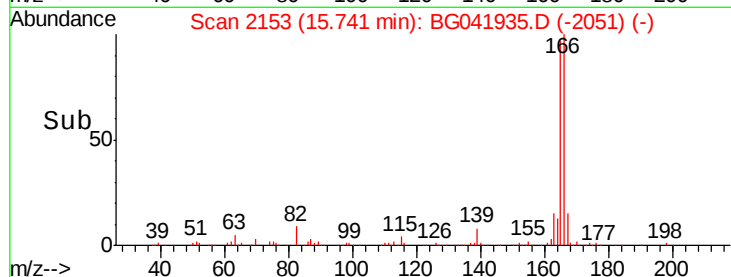
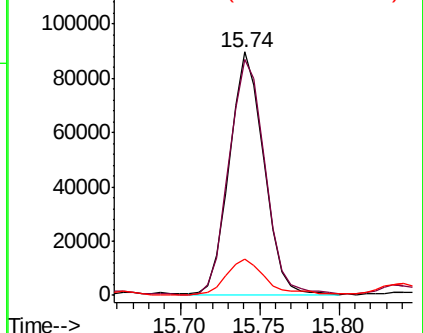
167 14.7 11.0 16.4



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: 48.166 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

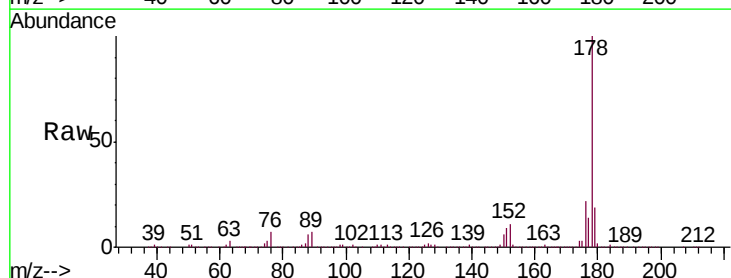
Tgt Ion:178 Resp: 1530367

Ion Ratio Lower Upper

178 100

179 18.5 12.8 19.2

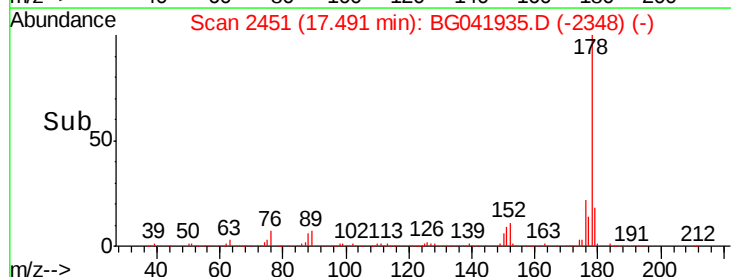
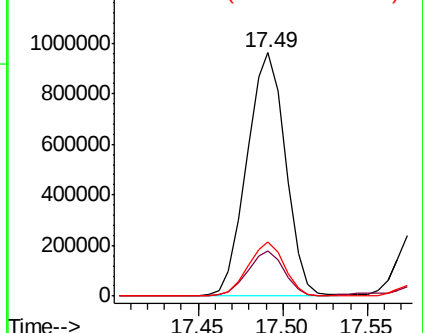
176 22.3 15.4 23.2

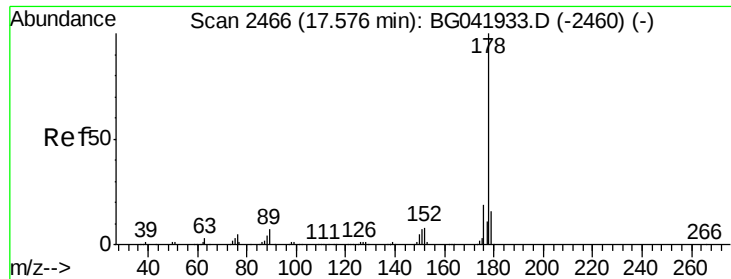


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 13.029 ng/ul

RT: 17.58 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

ClientSampleId :

BENPODL

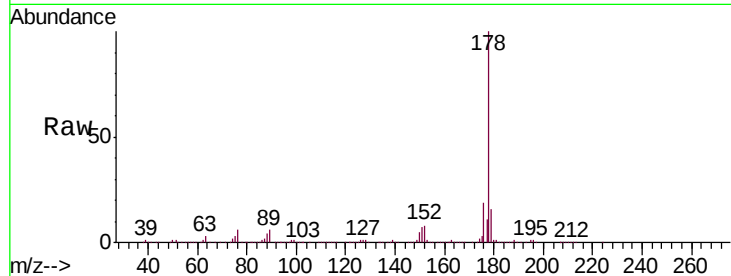
Tgt Ion:178 Resp: 419863

Ion Ratio Lower Upper

178 100

179 16.4 13.4 20.0

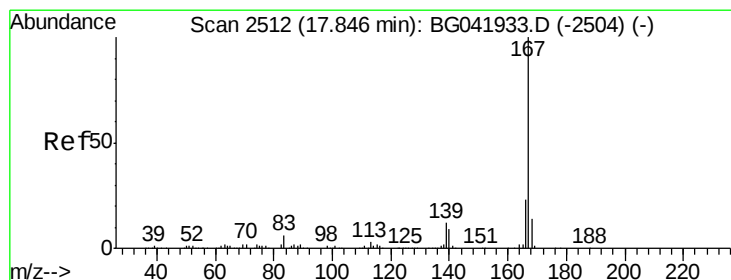
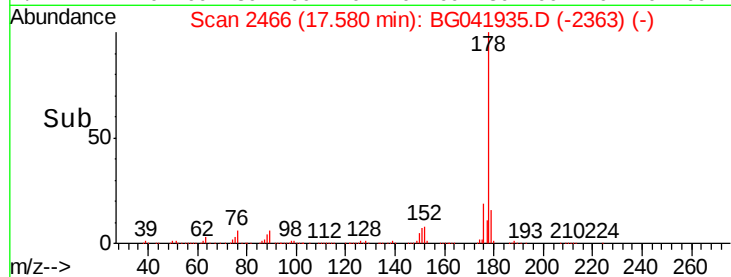
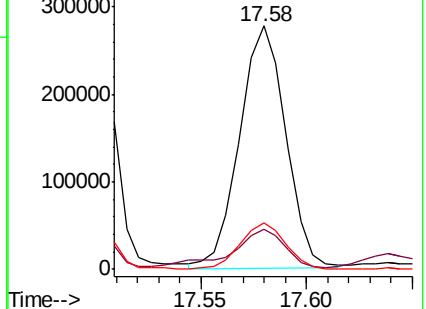
176 19.3 15.4 23.2



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



#74

Carbazole

Concen: 2.914 ng/ul

RT: 17.84 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

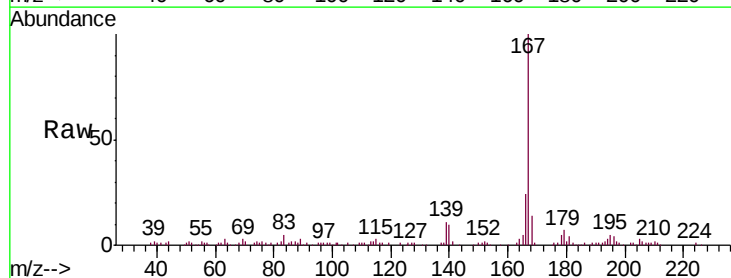
Tgt Ion:167 Resp: 77787

Ion Ratio Lower Upper

167 100

166 23.8 18.2 27.4

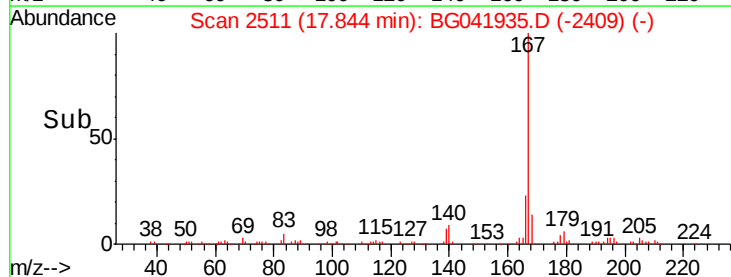
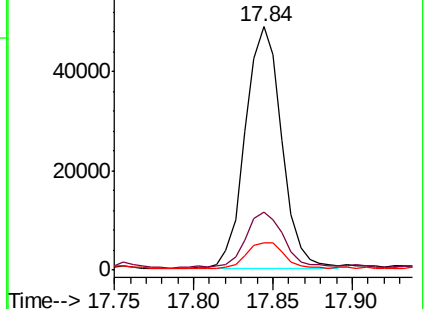
139 11.4 9.6 14.4

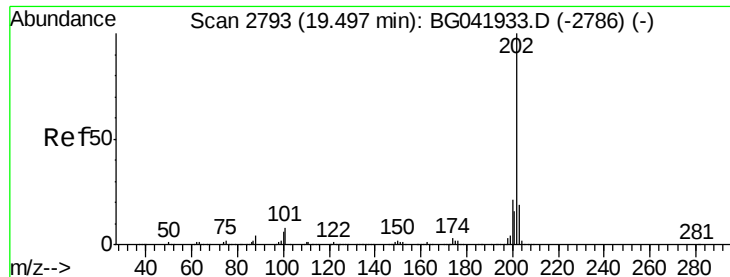


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 49.853 ng/ul

RT: 19.50 min Scan# 2793

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

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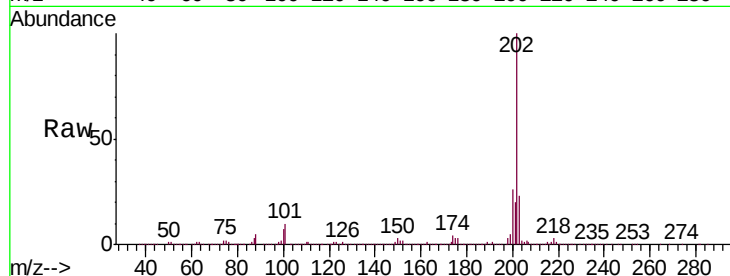
Tgt Ion:202 Resp: 1830131

Ion Ratio Lower Upper

202 100

101 9.8 6.7 10.1

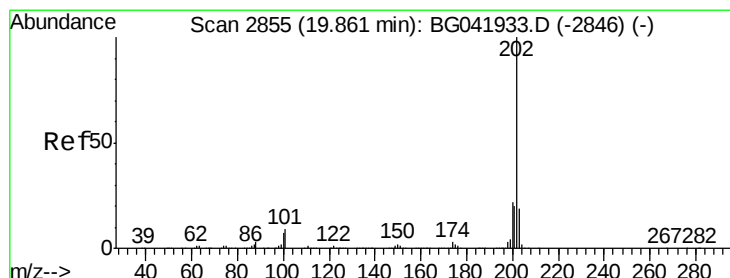
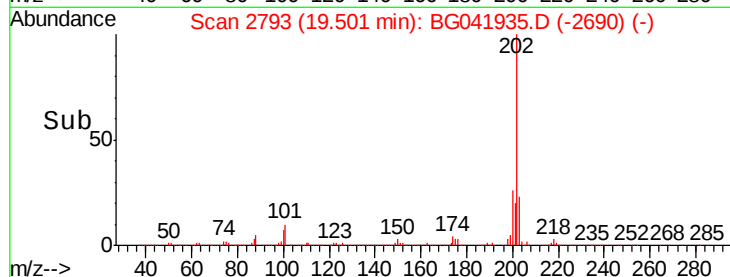
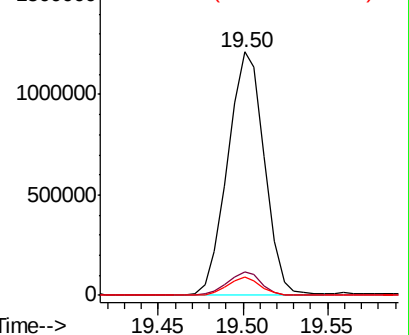
100 7.4 5.3 7.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 47.696 ng/ul

RT: 19.50 min Scan# 2793

Delta R.T. -0.36 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

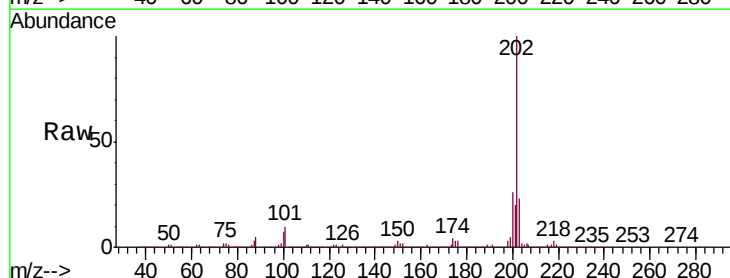
Tgt Ion:202 Resp: 1830131

Ion Ratio Lower Upper

202 100

101 9.8 7.6 11.4

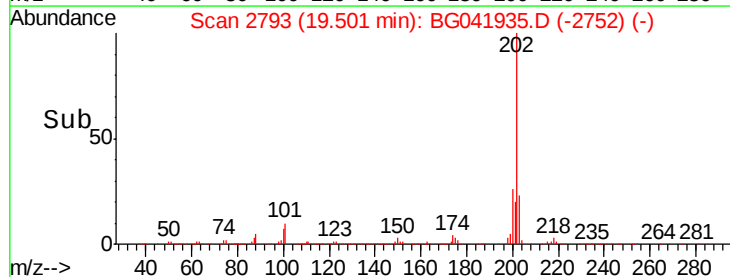
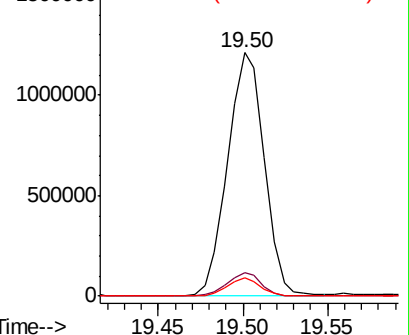
100 7.4 6.5 9.7

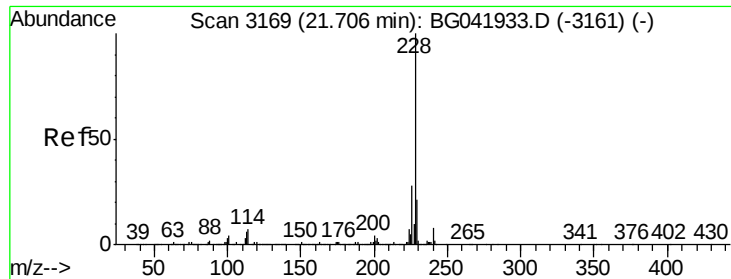


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 32.607 ng/ul

RT: 21.71 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

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BNA_G

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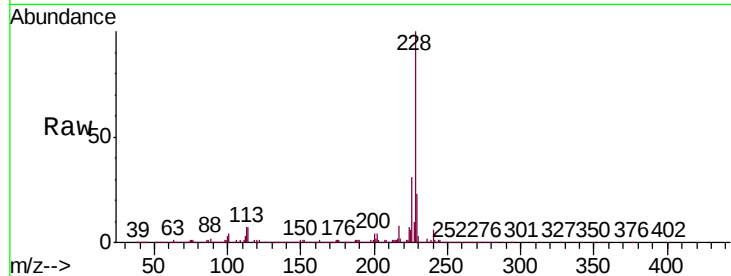
Tgt Ion:228 Resp: 1289648

Ion Ratio Lower Upper

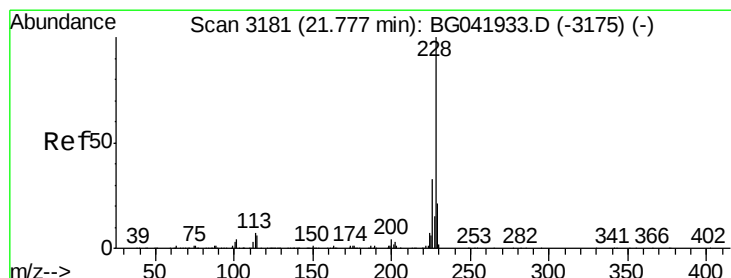
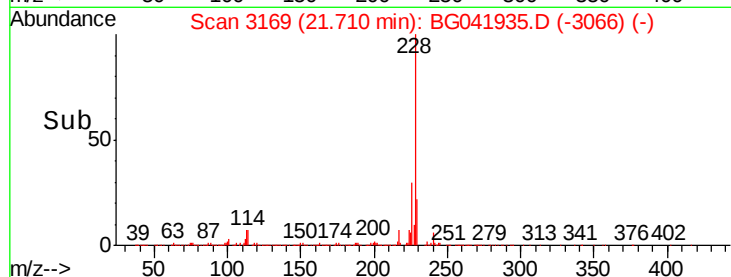
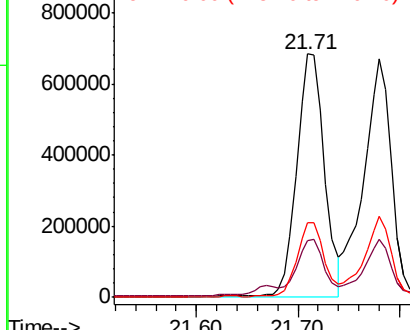
228 100

229 23.4 17.0 25.6

226 30.7 23.3 34.9



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



#84

Chrysene

Concen: 34.272 ng/ul

RT: 21.78 min Scan# 3181

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

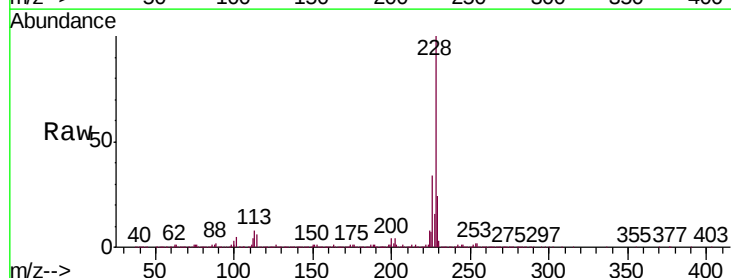
Tgt Ion:228 Resp: 1265134

Ion Ratio Lower Upper

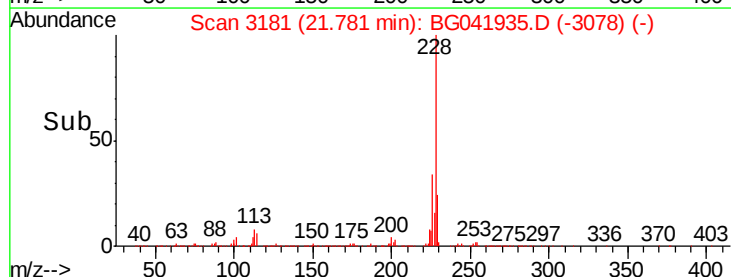
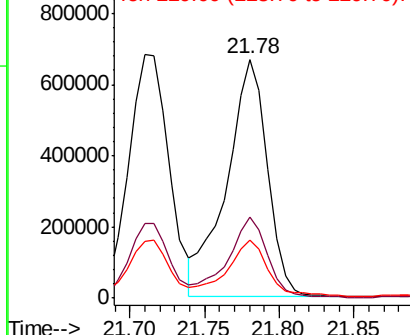
228 100

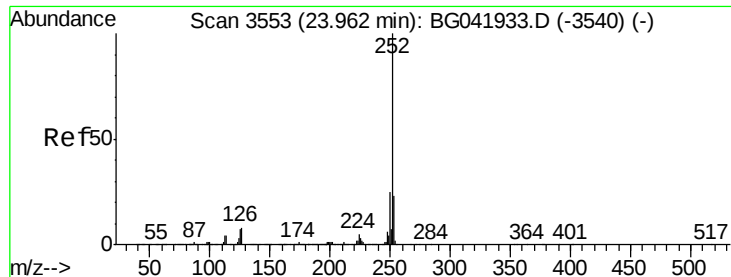
226 33.9 25.7 38.5

229 24.1 16.6 24.8



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





#87

Benzo(b)fluoranthene

Concen: 29.368 ng/u1

RT: 23.97 min Scan# 3554

Delta R.T. 0.01 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

ClientSampleId :

BENPOLDL

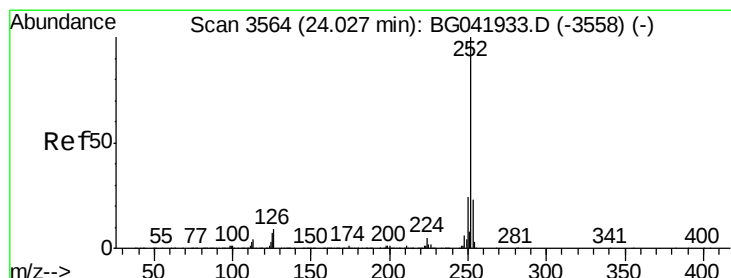
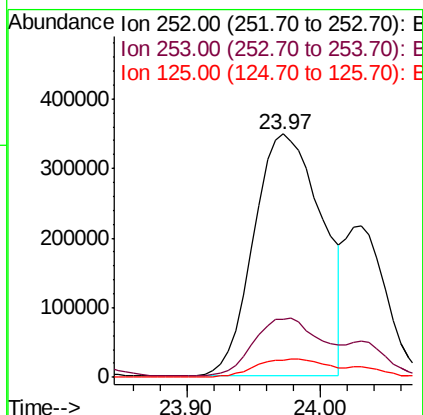
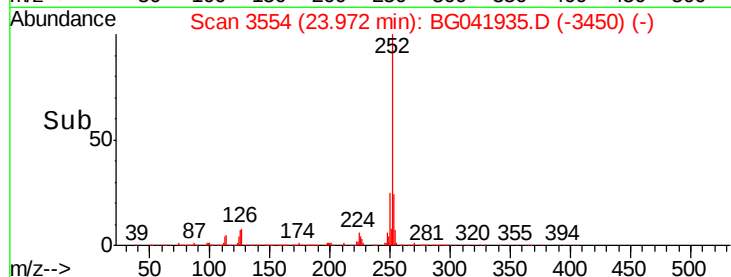
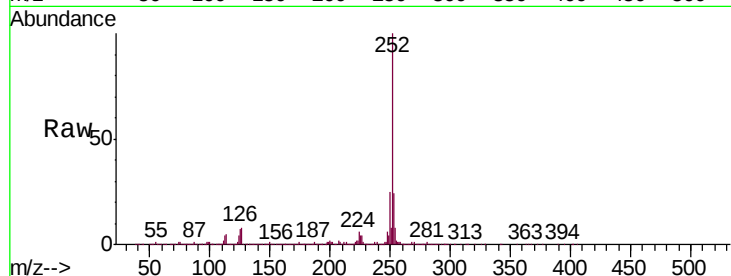
Tgt Ion:252 Resp: 1234154

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

125 7.1 5.8 8.8



#88

Benzo(k)fluoranthene

Concen: 30.544 ng/u1

RT: 23.97 min Scan# 3554

Delta R.T. -0.05 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

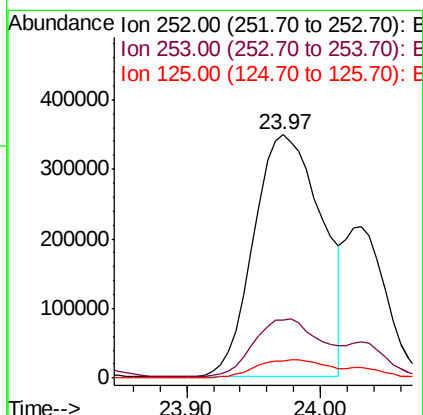
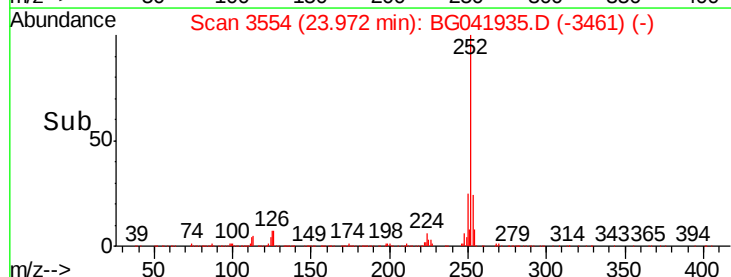
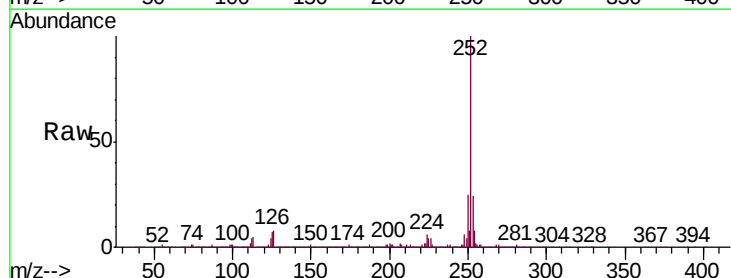
Tgt Ion:252 Resp: 1234154

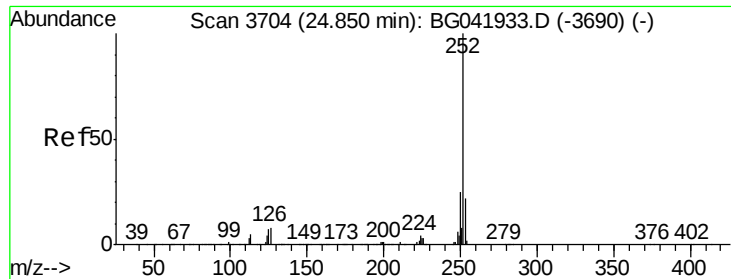
Ion Ratio Lower Upper

252 100

253 24.1 18.3 27.5

125 7.1 5.5 8.3





#90

Benzo(a)pyrene

Concen: 26.195 ng/ul

RT: 24.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

ClientSampleId :

BENPODL

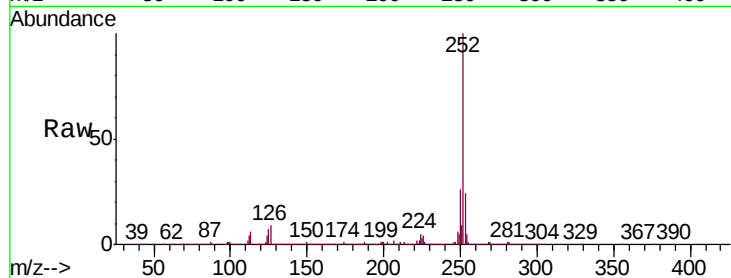
Tgt Ion:252 Resp: 1048987

Ion Ratio Lower Upper

252 100

253 24.3 18.3 27.5

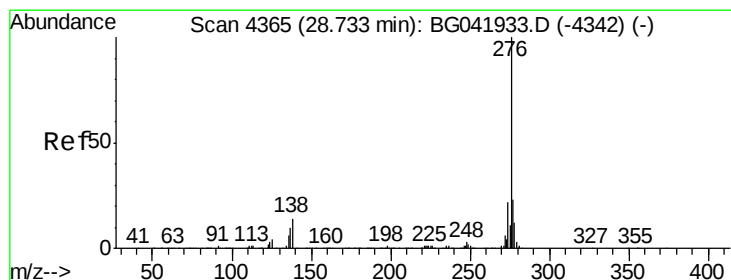
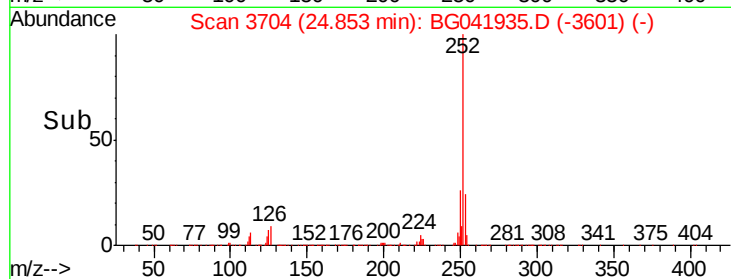
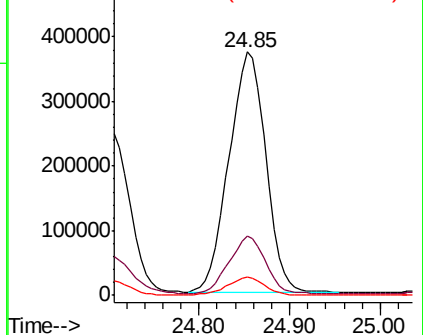
125 7.5 6.5 9.7



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: 11.020 ng/ul

RT: 28.75 min Scan# 4367

Delta R.T. 0.02 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

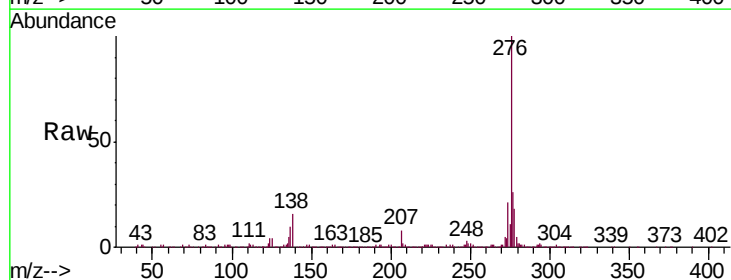
Tgt Ion:276 Resp: 514733

Ion Ratio Lower Upper

276 100

138 15.6 12.0 18.0

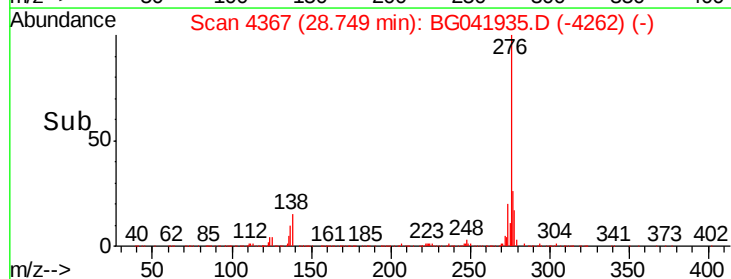
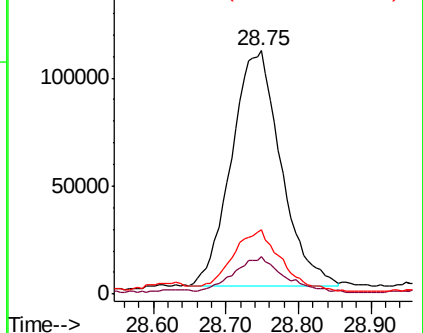
277 26.2 19.2 28.8

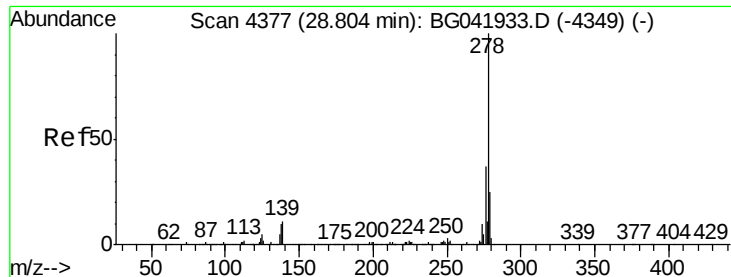


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 2.331 ng/ul

RT: 28.78 min Scan# 4372

Delta R.T. -0.03 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

Instrument :

BNA_G

ClientSampleId :

BENPODL

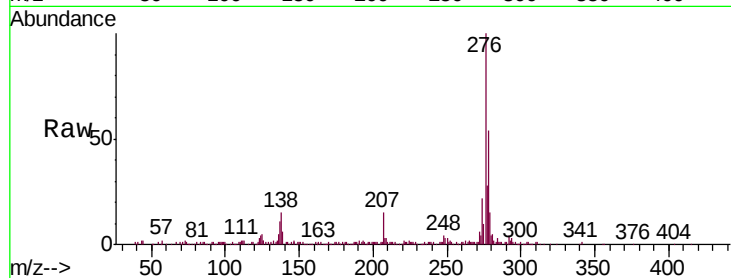
Tgt Ion:278 Resp: 88801

Ion Ratio Lower Upper

278 100

139 10.8 9.4 14.0

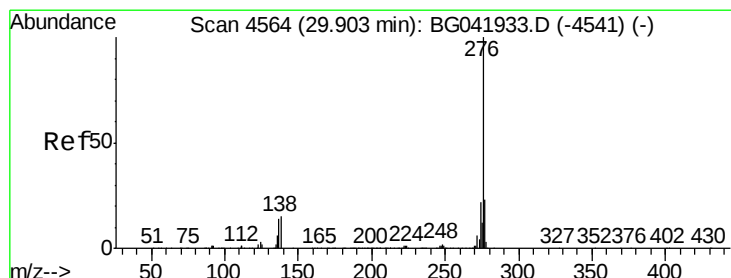
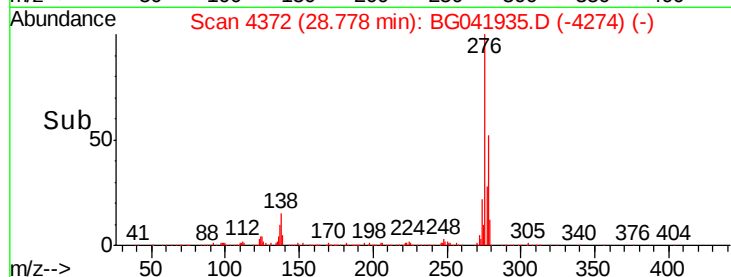
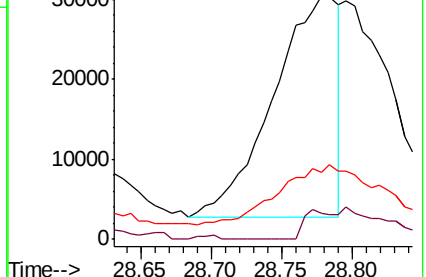
279 27.6 19.2 28.8



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: 13.038 ng/ul

RT: 29.91 min Scan# 4564

Delta R.T. 0.00 min

Lab File: BG041935.D

Acq: 4 Aug 2019 9:56

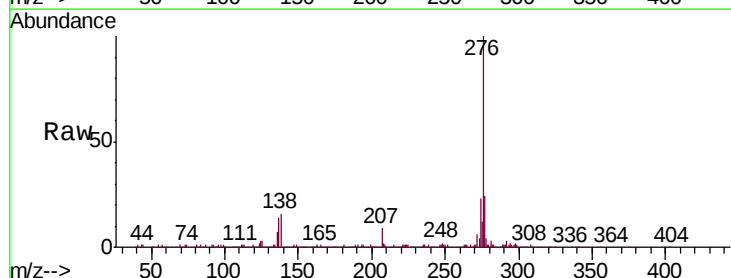
Tgt Ion:276 Resp: 508461

Ion Ratio Lower Upper

276 100

138 15.7 12.6 18.8

277 24.4 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

