

Data File : BG041937.D
Acq On : 4 Aug 2019 11:12
Operator : HP/JU
Sample : K3850-06DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP5DL

Quant Time: Aug 05 01:22:39 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	94449	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	395180	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	278277	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	589102	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	561352	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	670273	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.42	96	906	0.42	ng/uL	0.00
5) Phenol-d5	7.19	99	24771	3.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	14856	3.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	24221	3.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	19008	3.05	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	12172	4.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	14151	4.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	25676	3.68	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	8612	1.11	ng/ul	0.02
43) Dimethylphthalate-d6	14.09	166	91778	4.25	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	109061	4.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	6641	1.83	ng/ul	0.02
57) Fluorene-d10	15.69	176	83544	4.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.81	200	5351	1.42	ng/ul	0.00
70) Anthracene-d10	17.54	188	129843	4.59	ng/ul	0.00
78) Pyrene-d10	19.83	212	146043	4.66	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	152059	4.34	ng/ul	0.00

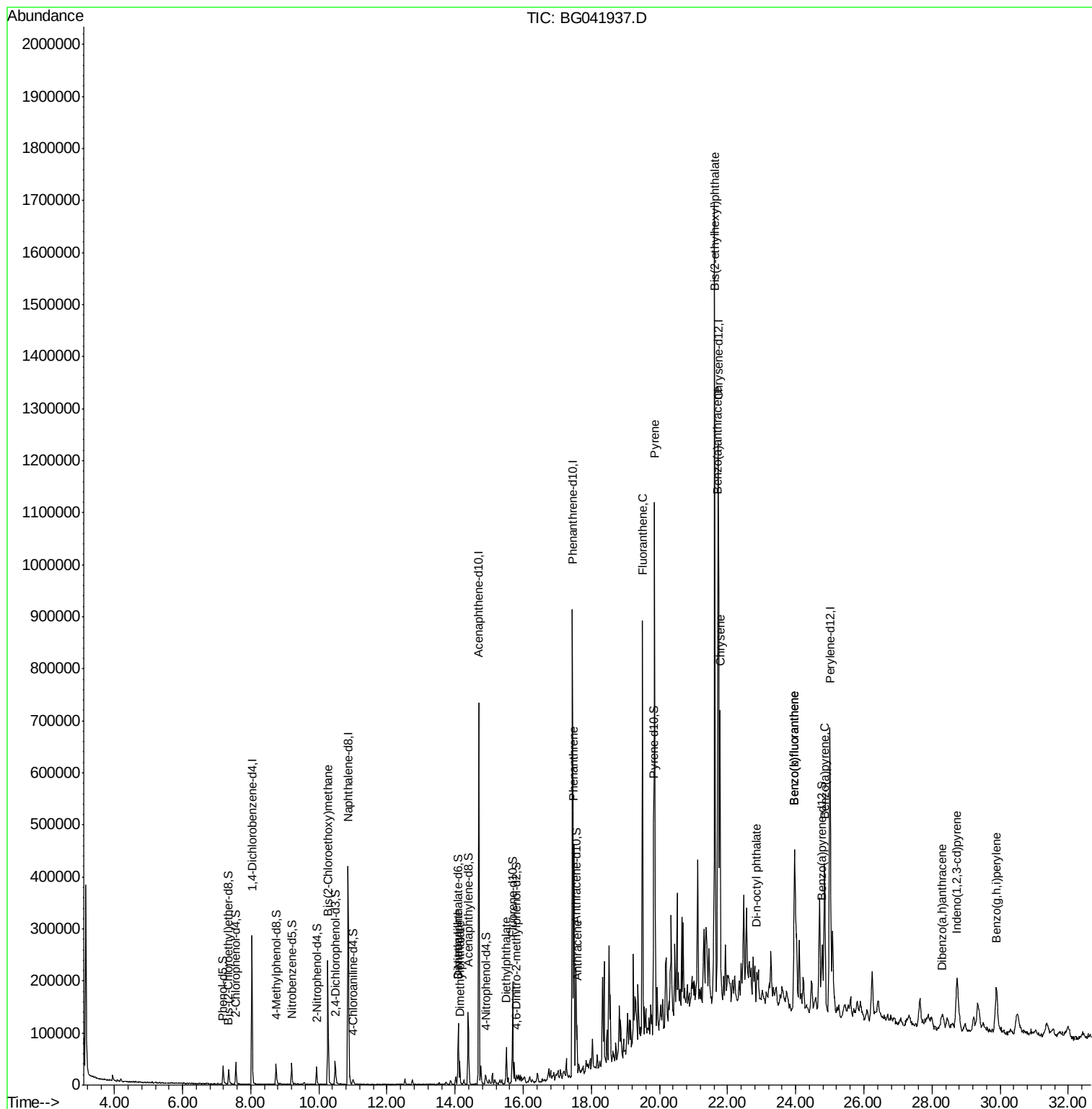
Target Compounds				Qvalue		
25) Bis(2-Chloroethoxy)methane	10.26	93	9848	1.228	ng/ul#	1
44) Dimethylphthalate	14.14	163	33362	1.557	ng/ul#	95
48) 3-Nitroaniline	14.09	138	4521	1.216	ng/ul#	49
56) Diethylphthalate	15.51	149	38973	1.828	ng/ul	96
69) Phenanthrene	17.49	178	289081	8.964	ng/ul	99
71) Anthracene	17.58	178	71069	2.173	ng/ul	99
76) Fluoranthene	19.50	202	527134	14.146	ng/ul	97
79) Pyrene	19.86	202	691146	18.304	ng/ul	99
82) Benzo(a)anthracene	21.71	228	410296	10.542	ng/ul	100
83) Bis(2-ethylhexyl)phthalate	21.62	149	700007	34.519	ng/ul	99
84) Chrysene	21.77	228	431313	11.873	ng/ul	98
86) Di-n-octyl phthalate	22.86	149	51168	1.543	ng/ul	100
87) Benzo(b)fluoranthene	23.97	252	438359	10.421	ng/ul	99
88) Benzo(k)fluoranthene	23.97	252	438359	10.839	ng/ul	100
90) Benzo(a)pyrene	24.85	252	348621	8.698	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	28.74	276	181523	3.883	ng/ul	97
92) Dibenzo(a,h)anthracene	28.27	278	40778	1.069	ng/ul	94
93) Benzo(g,h,i)perylene	29.89	276	183852	4.710	ng/ul	98

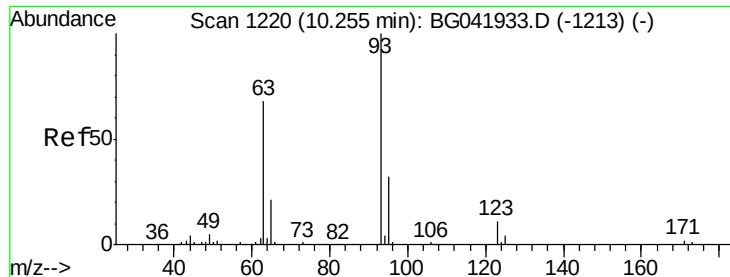
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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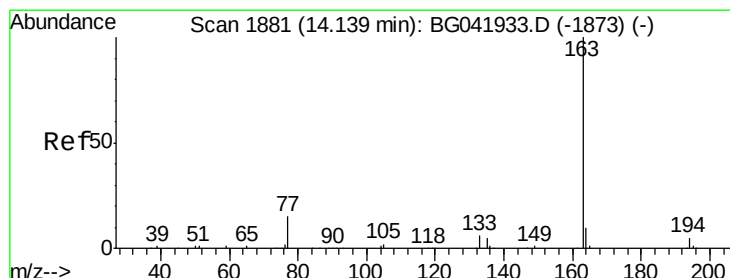
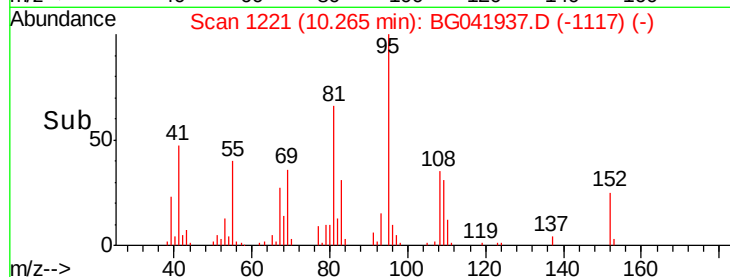
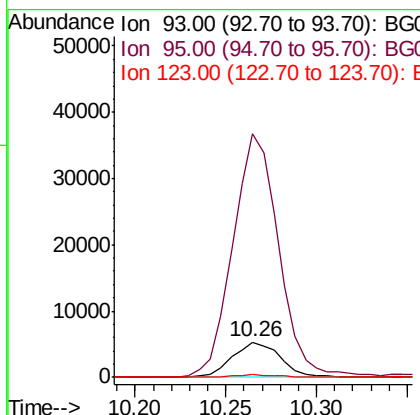
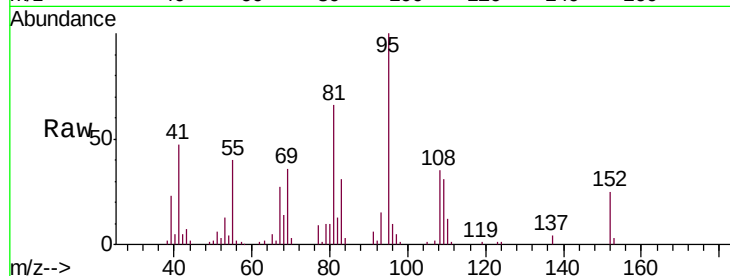




#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.228 ng/ul
 RT: 10.26 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: BG041937.D
 Acq: 4 Aug 2019 11:12

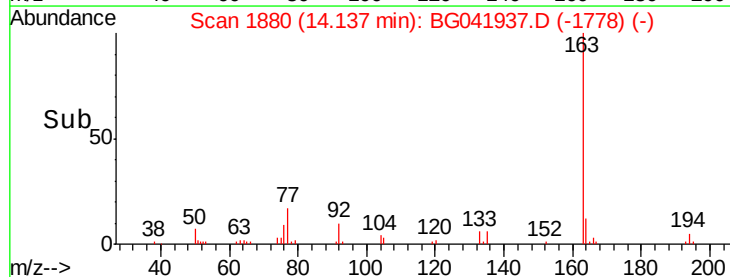
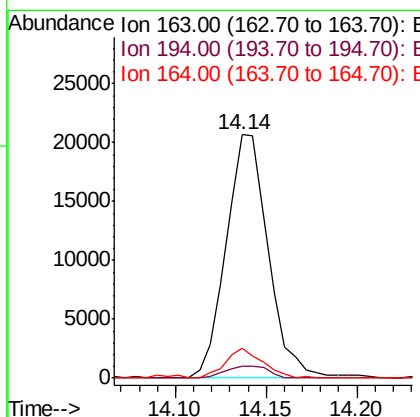
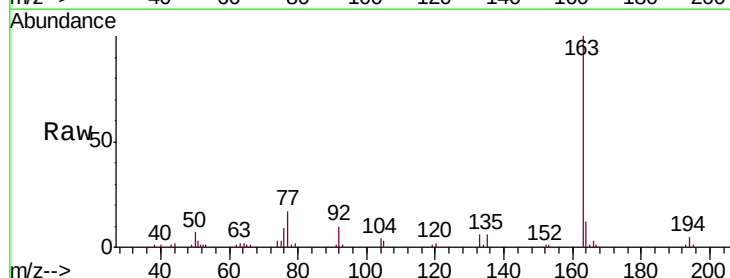
Instrument :
 BNA_G
 ClientSampleId :
 BENP5DL

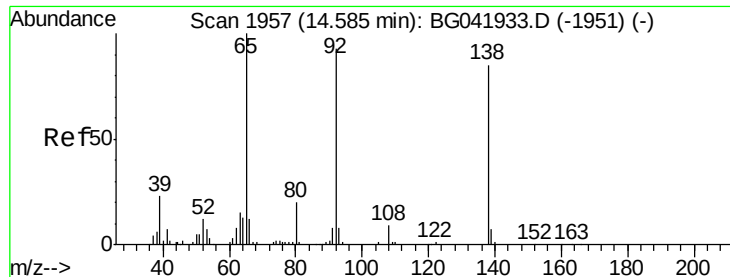
Tgt Ion: 93 Resp: 9848
 Ion Ratio Lower Upper
 93 100
 95 684.7 25.4 38.0#
 123 7.7 9.6 14.4#



#44
 Dimethylphthalate
 Concen: 1.557 ng/ul
 RT: 14.14 min Scan# 1880
 Delta R.T. -0.00 min
 Lab File: BG041937.D
 Acq: 4 Aug 2019 11:12

Tgt Ion: 163 Resp: 33362
 Ion Ratio Lower Upper
 163 100
 194 5.1 4.2 6.2
 164 12.3 7.8 11.8#





#48

3-Nitroaniline

Concen: 1.216 ng/ul

RT: 14.09 min Scan# 1872

Delta R.T. -0.50 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

Instrument :

BNA_G

ClientSampleId :

BENP5DL

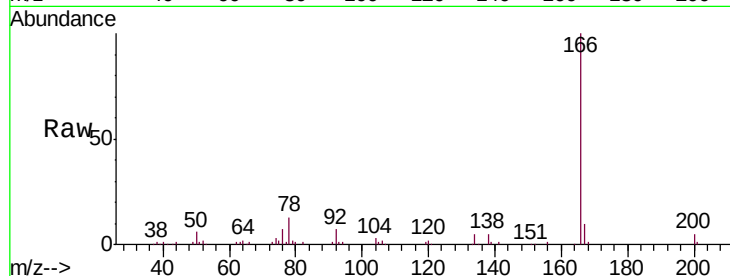
Tgt Ion:138 Resp: 4521

Ion Ratio Lower Upper

138 100

108 0.0 7.6 11.4#

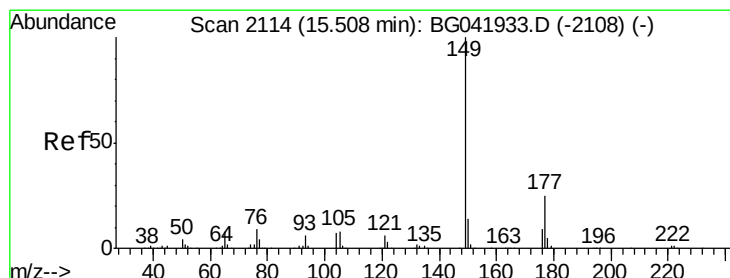
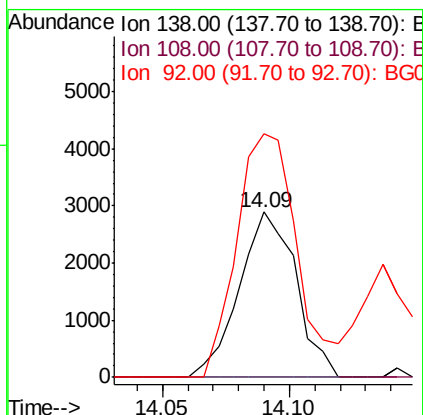
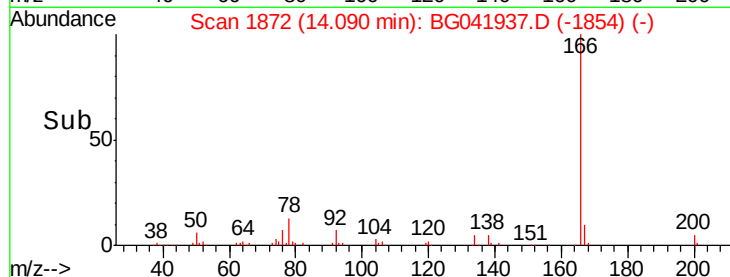
92 147.3 76.4 114.6#



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): BGC



#56

Diethylphthalate

Concen: 1.828 ng/ul

RT: 15.51 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

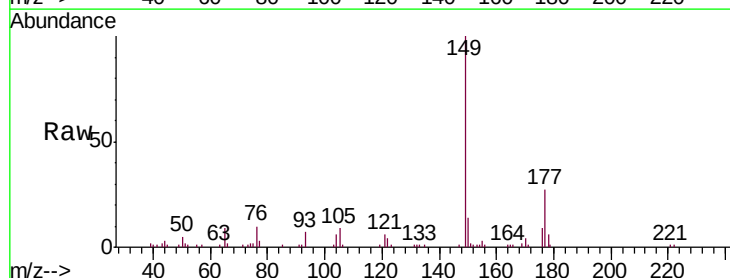
Tgt Ion:149 Resp: 38973

Ion Ratio Lower Upper

149 100

177 26.9 19.4 29.2

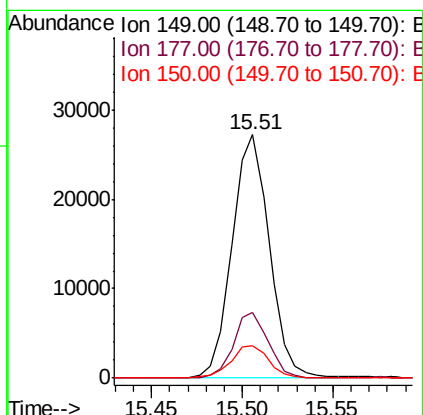
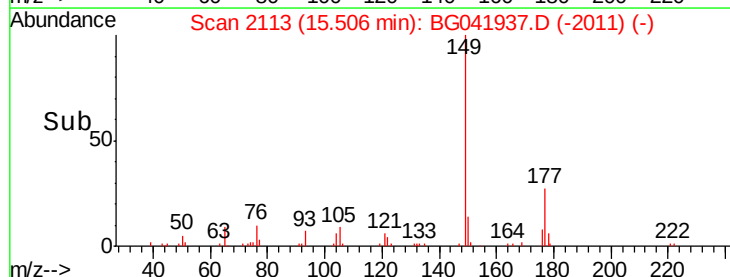
150 13.5 10.2 15.4

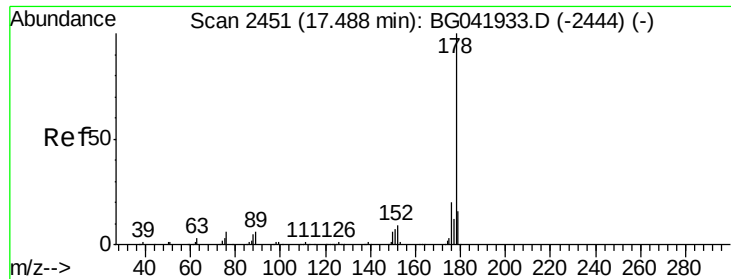


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#69

Phenanthrene

Concen: 8.964 ng/ul

RT: 17.49 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

Instrument :

BNA_G

ClientSampleId :

BENP5DL

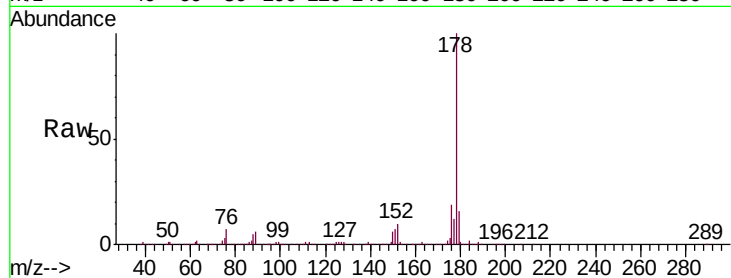
Tgt Ion:178 Resp: 289081

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

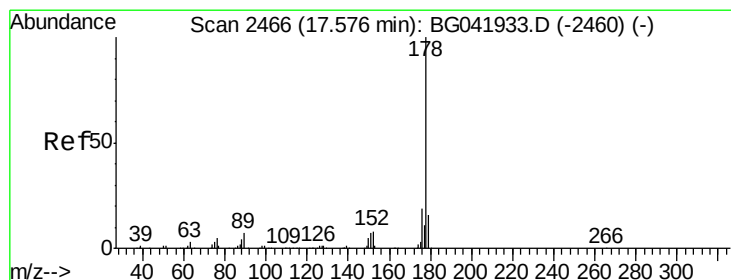
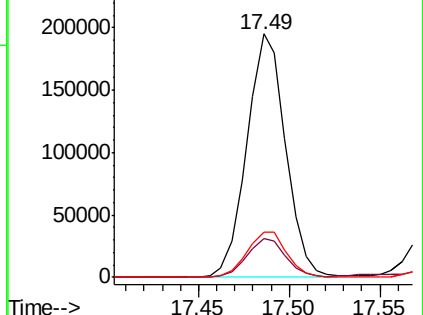
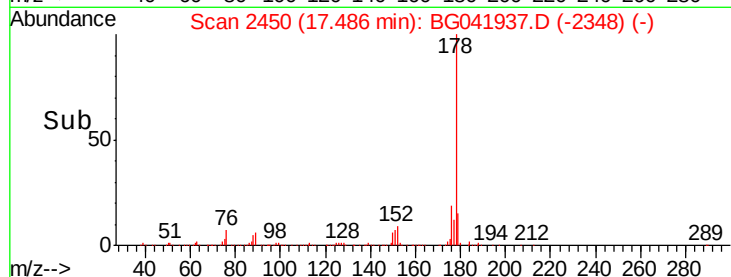
176 18.8 15.4 23.2



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: 2.173 ng/ul

RT: 17.58 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

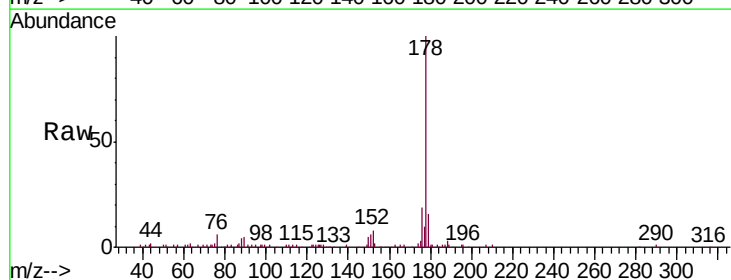
Tgt Ion:178 Resp: 71069

Ion Ratio Lower Upper

178 100

179 15.8 13.4 20.0

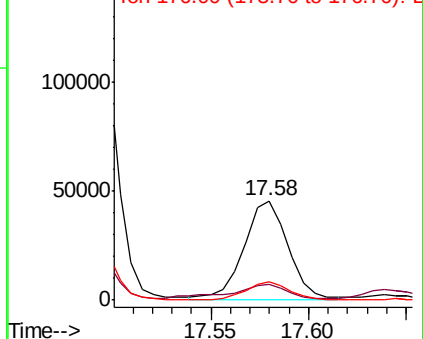
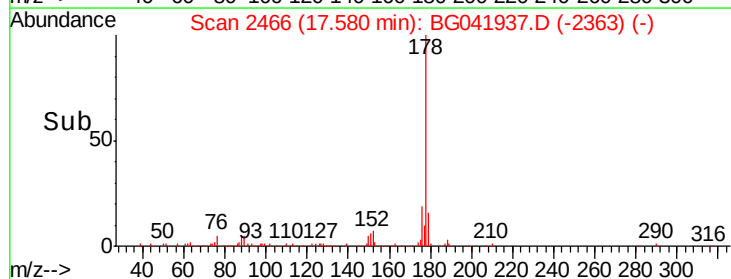
176 19.0 15.4 23.2

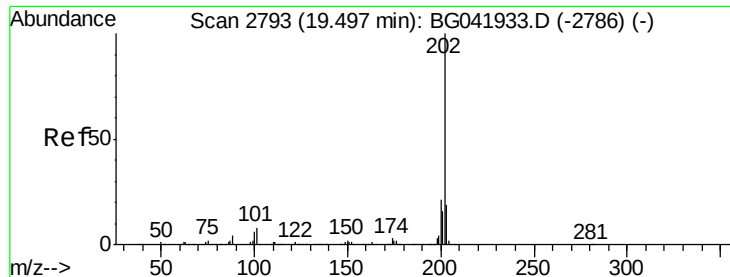


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

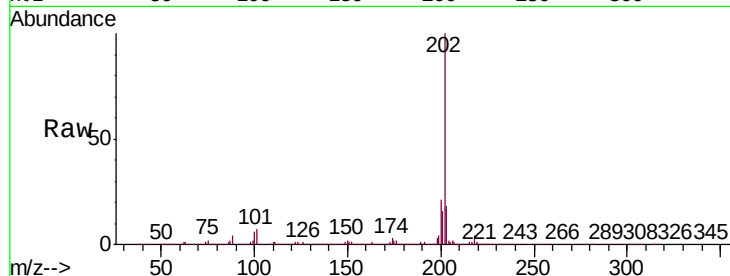




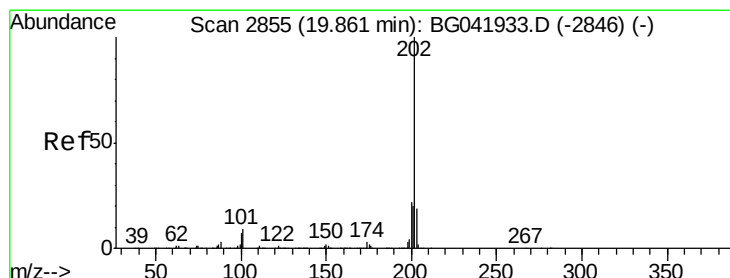
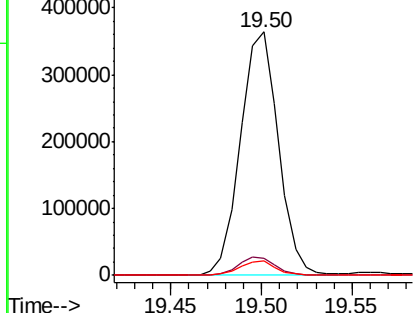
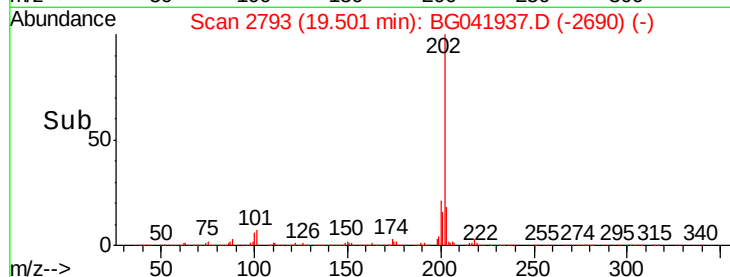
#76
Fluoranthene
Concen: 14.146 ng/ul
RT: 19.50 min Scan# 2793
Delta R.T. 0.00 min
Lab File: BG041937.D
Acq: 4 Aug 2019 11:12

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Tgt Ion:	202	Resp:	527134
Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.7	10.1
100	5.8	5.3	7.9

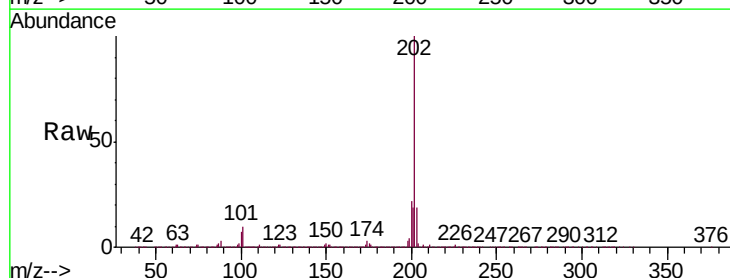


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

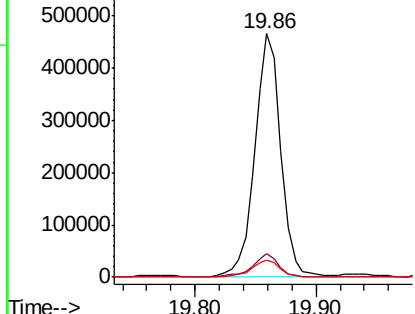
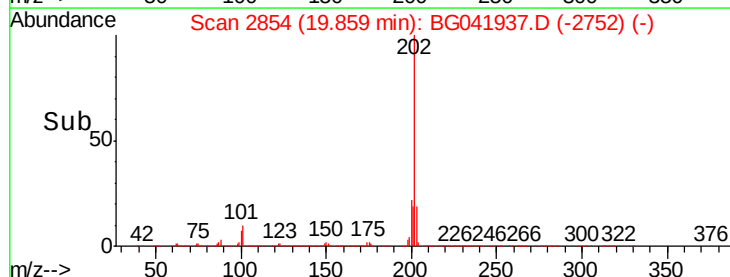


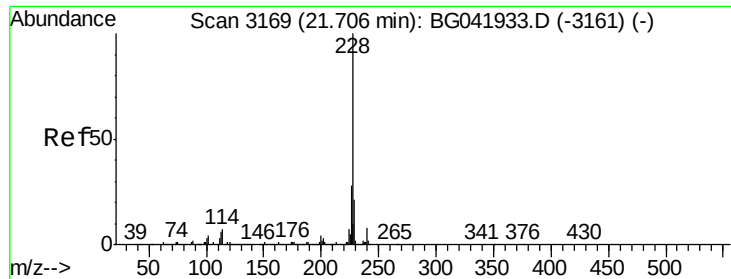
#79
Pyrene
Concen: 18.304 ng/ul
RT: 19.86 min Scan# 2854
Delta R.T. -0.00 min
Lab File: BG041937.D
Acq: 4 Aug 2019 11:12

Tgt Ion:	202	Resp:	691146
Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.6	11.4
100	7.2	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: 10.542 ng/ul

RT: 21.71 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

Instrument :

BNA_G

ClientSampleId :

BENP5DL

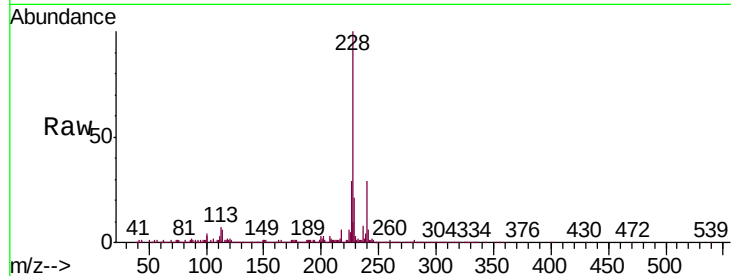
Tgt Ion:228 Resp: 410296

Ion Ratio Lower Upper

228 100

229 21.5 17.0 25.6

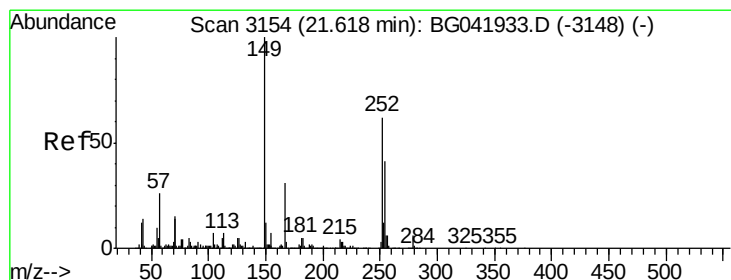
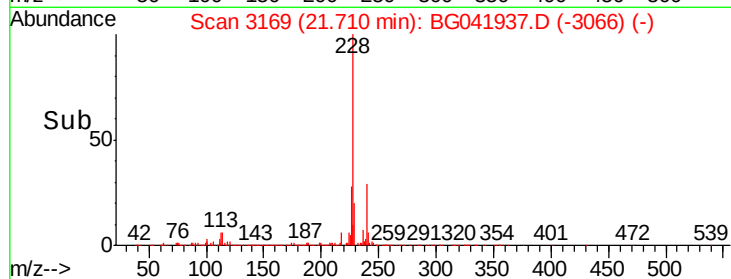
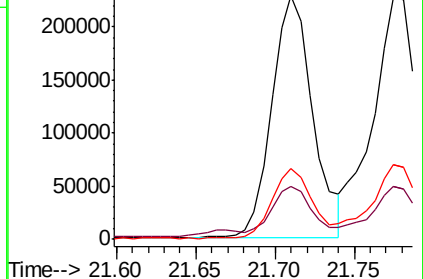
226 28.9 23.3 34.9



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 34.519 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

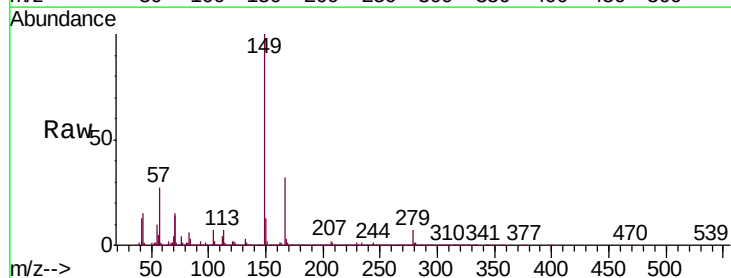
Tgt Ion:149 Resp: 700007

Ion Ratio Lower Upper

149 100

167 32.1 25.0 37.4

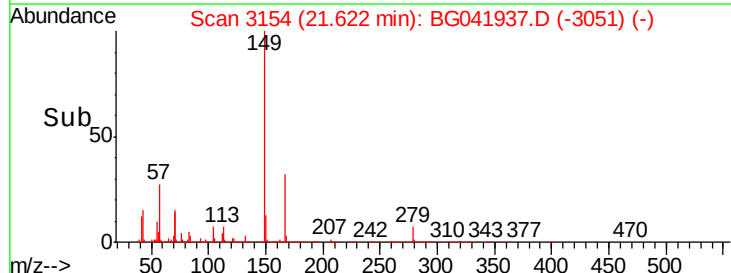
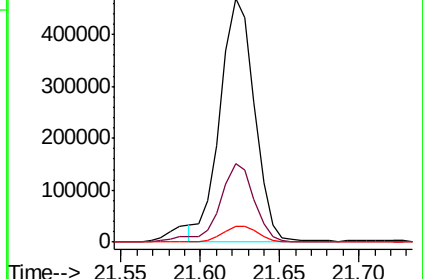
279 6.6 5.2 7.8

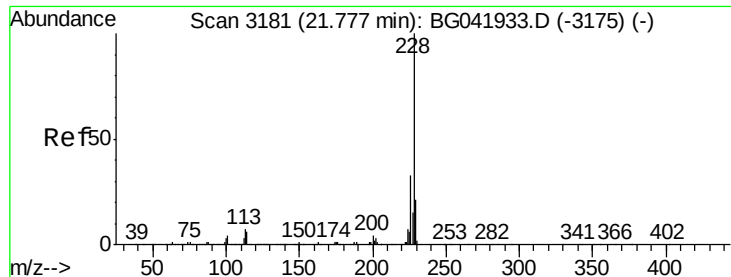


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 11.873 ng/ul

RT: 21.77 min Scan# 3180

Delta R.T. -0.00 min

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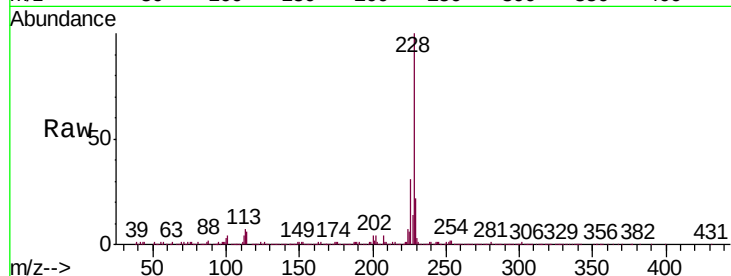
Tgt Ion:228 Resp: 431313

Ion Ratio Lower Upper

228 100

226 31.2 25.7 38.5

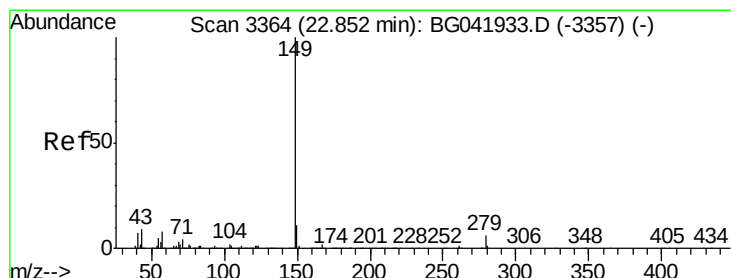
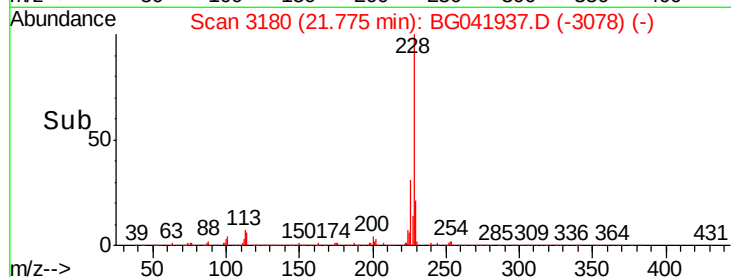
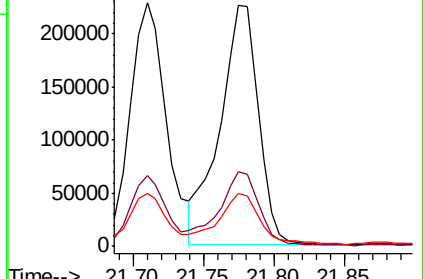
229 21.8 16.6 24.8



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



#86

Di-n-octyl phthalate

Concen: 1.543 ng/ul

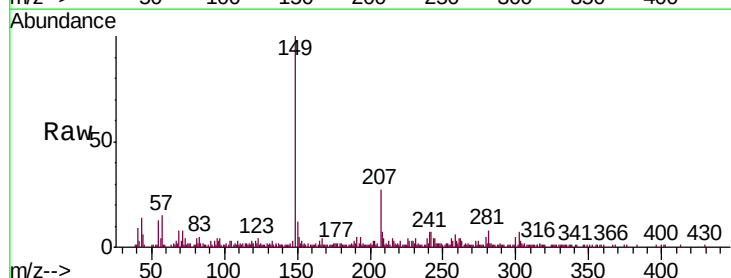
RT: 22.86 min Scan# 3364

Delta R.T. 0.00 min

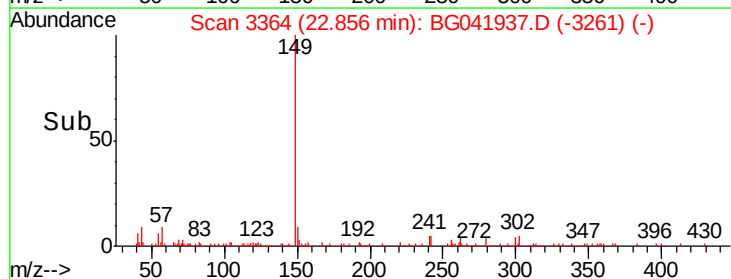
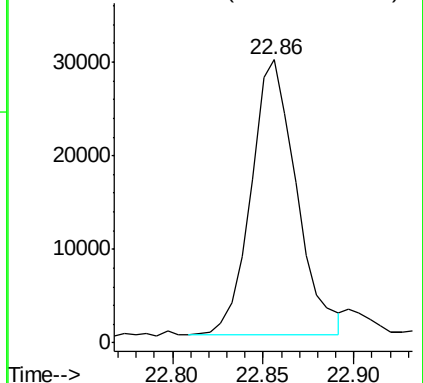
Lab File: BG041937.D

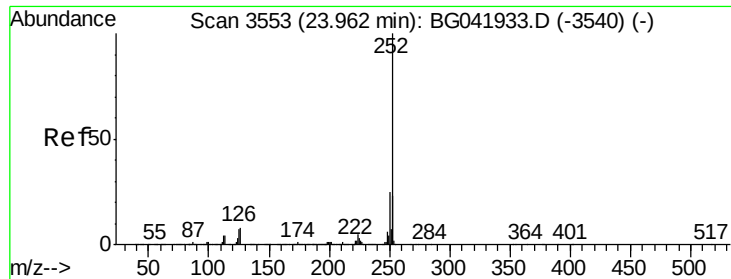
Acq: 4 Aug 2019 11:12

Tgt Ion:149 Resp: 51168



Abundance Ion 149.00 (148.70 to 149.70): E





#87

Benzo(b)fluoranthene

Concen: 10.421 ng/ul

RT: 23.97 min Scan# 3553

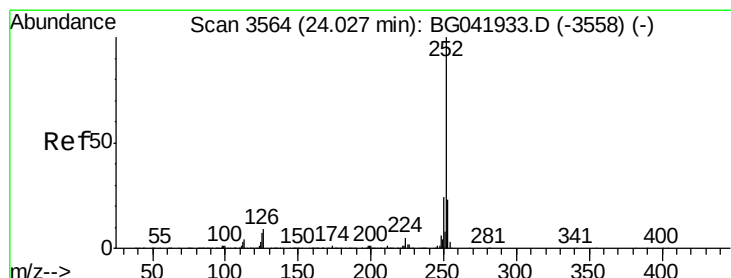
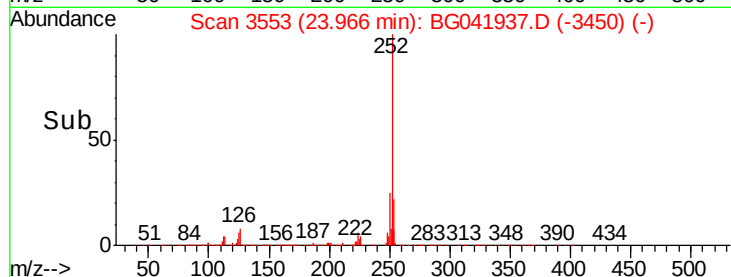
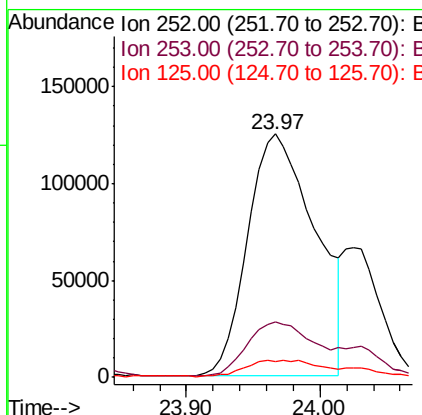
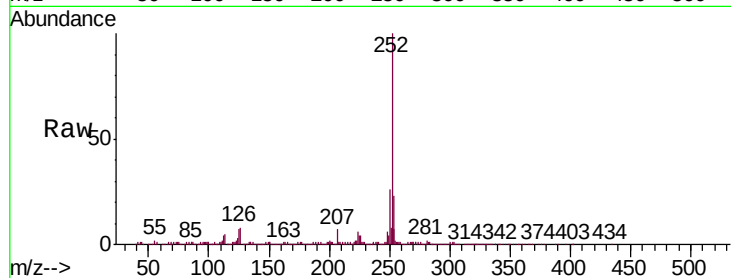
Delta R.T. 0.00 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

Instrument :
BNA_G
ClientSampleId :
BENP5DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	6.7	5.8	8.8



#88

Benzo(k)fluoranthene

Concen: 10.839 ng/ul

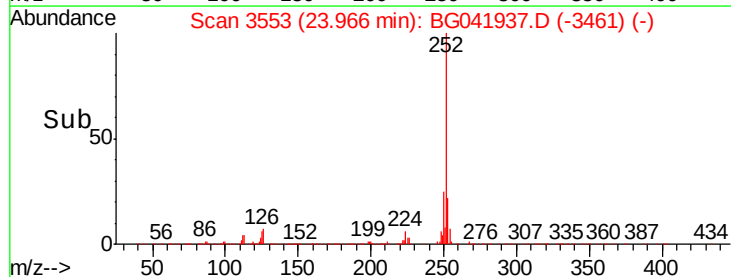
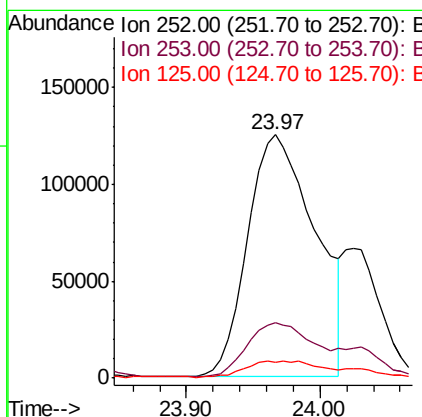
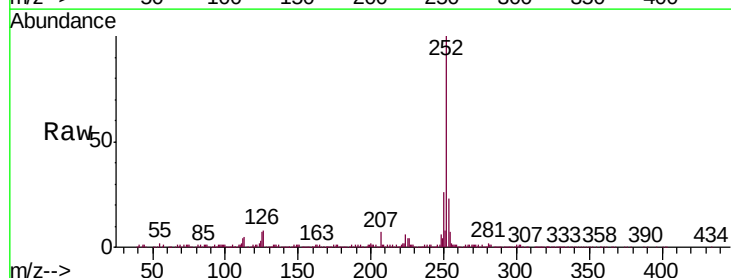
RT: 23.97 min Scan# 3553

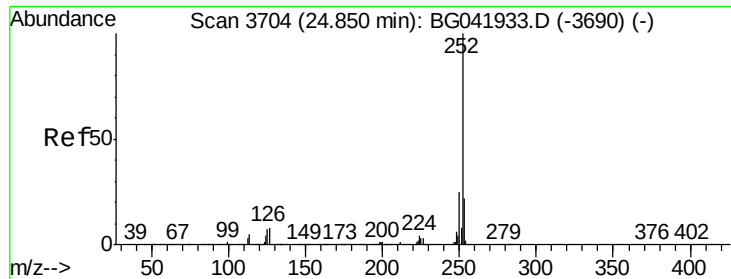
Delta R.T. -0.06 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5
125	6.7	5.5	8.3





#90

Benzo(a)pyrene

Concen: 8.698 ng/ul

RT: 24.85 min Scan# 3703

Delta R.T. -0.00 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

Instrument :

BNA_G

ClientSampleId :

BENP5DL

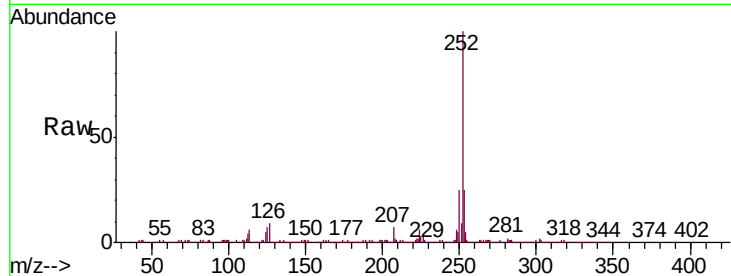
Tgt Ion:252 Resp: 348621

Ion Ratio Lower Upper

252 100

253 24.6 18.3 27.5

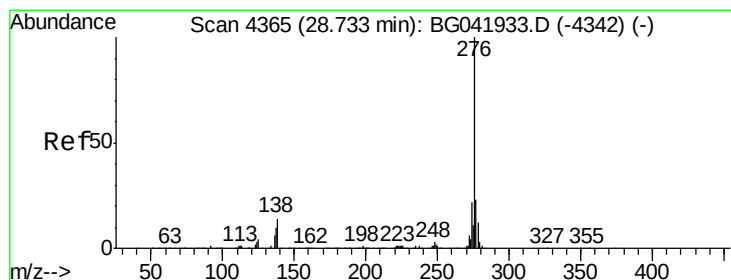
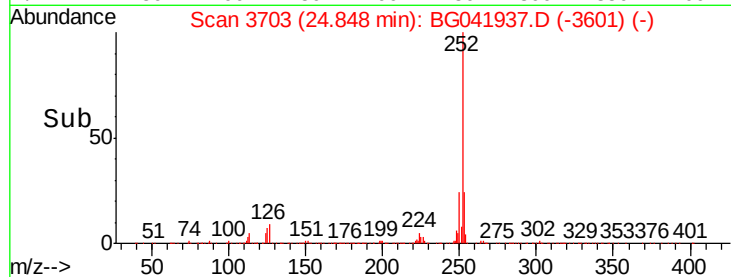
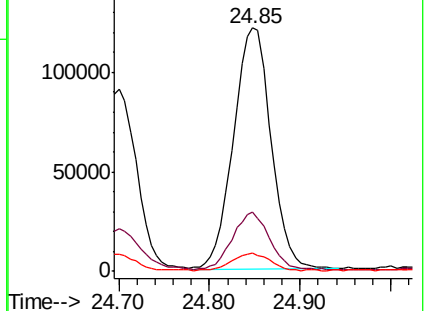
125 7.4 6.5 9.7



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: 3.883 ng/ul

RT: 28.74 min Scan# 4365

Delta R.T. 0.00 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

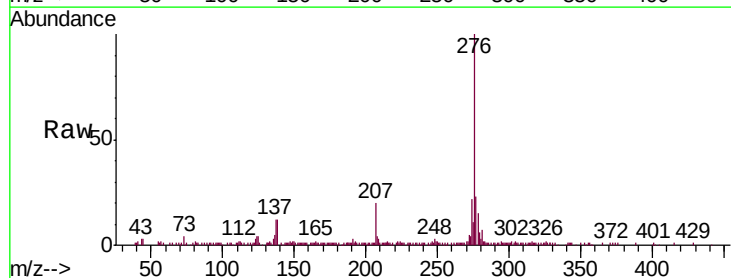
Tgt Ion:276 Resp: 181523

Ion Ratio Lower Upper

276 100

138 12.3 12.0 18.0

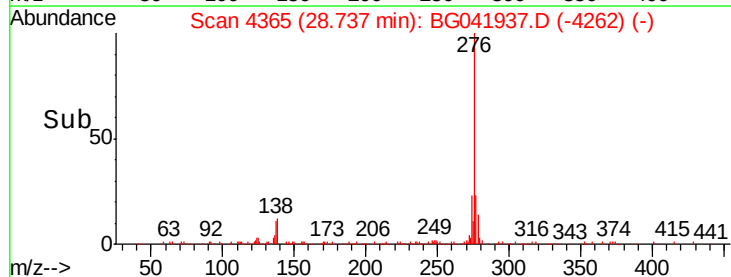
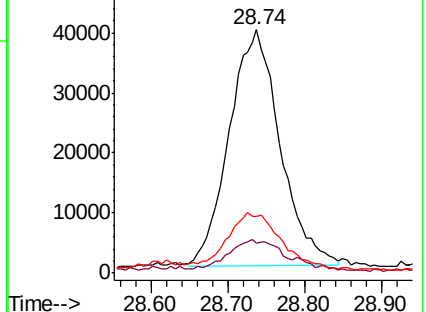
277 23.3 19.2 28.8

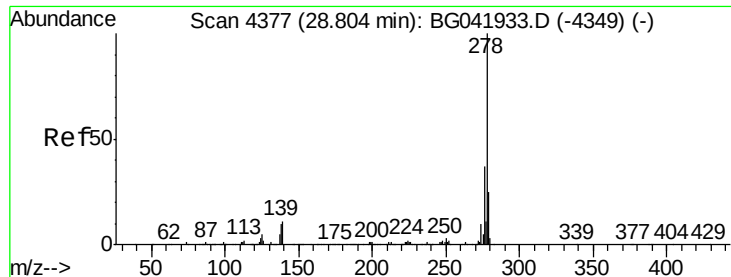


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.069 ng/ul

RT: 28.27 min Scan# 4286

Delta R.T. -0.53 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

Instrument :

BNA_G

ClientSampleId :

BENP5DL

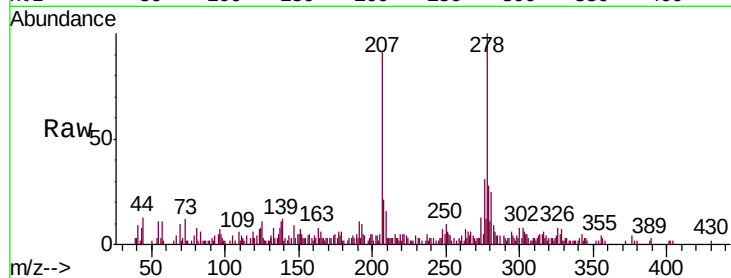
Tgt Ion:278 Resp: 40778

Ion Ratio Lower Upper

278 100

139 12.4 9.4 14.0

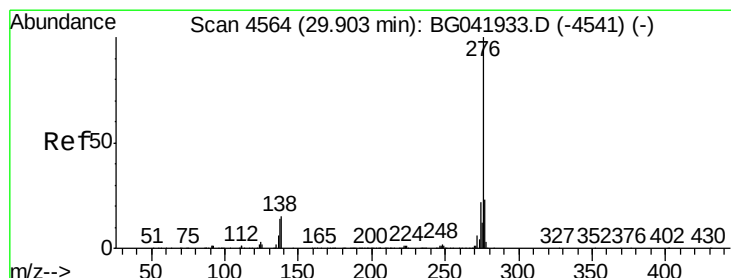
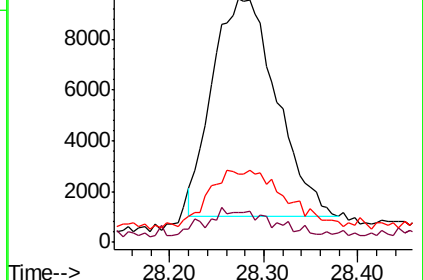
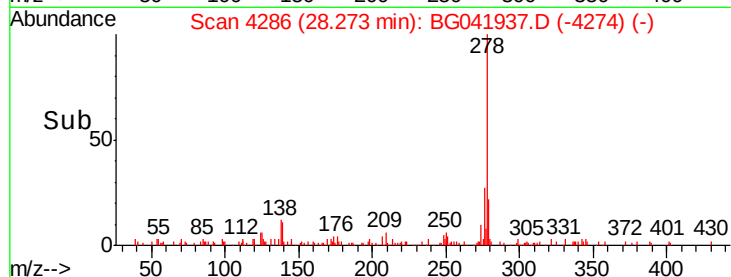
279 28.3 19.2 28.8



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: 4.710 ng/ul

RT: 29.89 min Scan# 4562

Delta R.T. -0.01 min

Lab File: BG041937.D

Acq: 4 Aug 2019 11:12

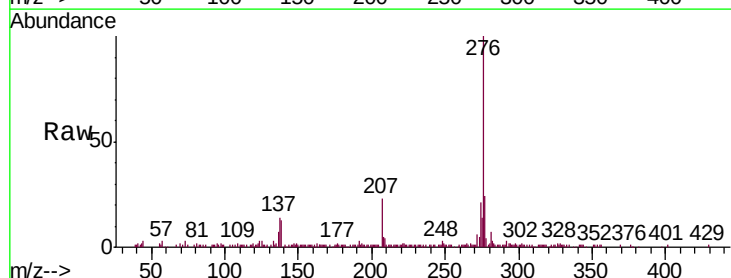
Tgt Ion:276 Resp: 183852

Ion Ratio Lower Upper

276 100

138 13.4 12.6 18.8

277 23.9 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

