

Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENQ0DL

Quant Time: Aug 05 01:22:53 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	89950	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	386137	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	273544	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	565608	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	550632	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	646246	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	1571	0.76	ng/uL	0.00
5) Phenol-d5	7.18	99	6044	0.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	19427	4.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	15243	2.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	6368	1.07	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	15182	5.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	15141	4.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	20341	2.99	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	4891	0.65	ng/ul	0.01
43) Dimethylphthalate-d6	14.09	166	114575	5.40	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	135139	5.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	185	0.05	ng/ul	0.00
57) Fluorene-d10	15.68	176	106485	5.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.81	200	258	0.07	ng/ul	0.00
70) Anthracene-d10	17.54	188	161547	5.95	ng/ul	0.00
78) Pyrene-d10	19.83	212	188997	6.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	199899	5.92	ng/ul	0.01

Target Compounds

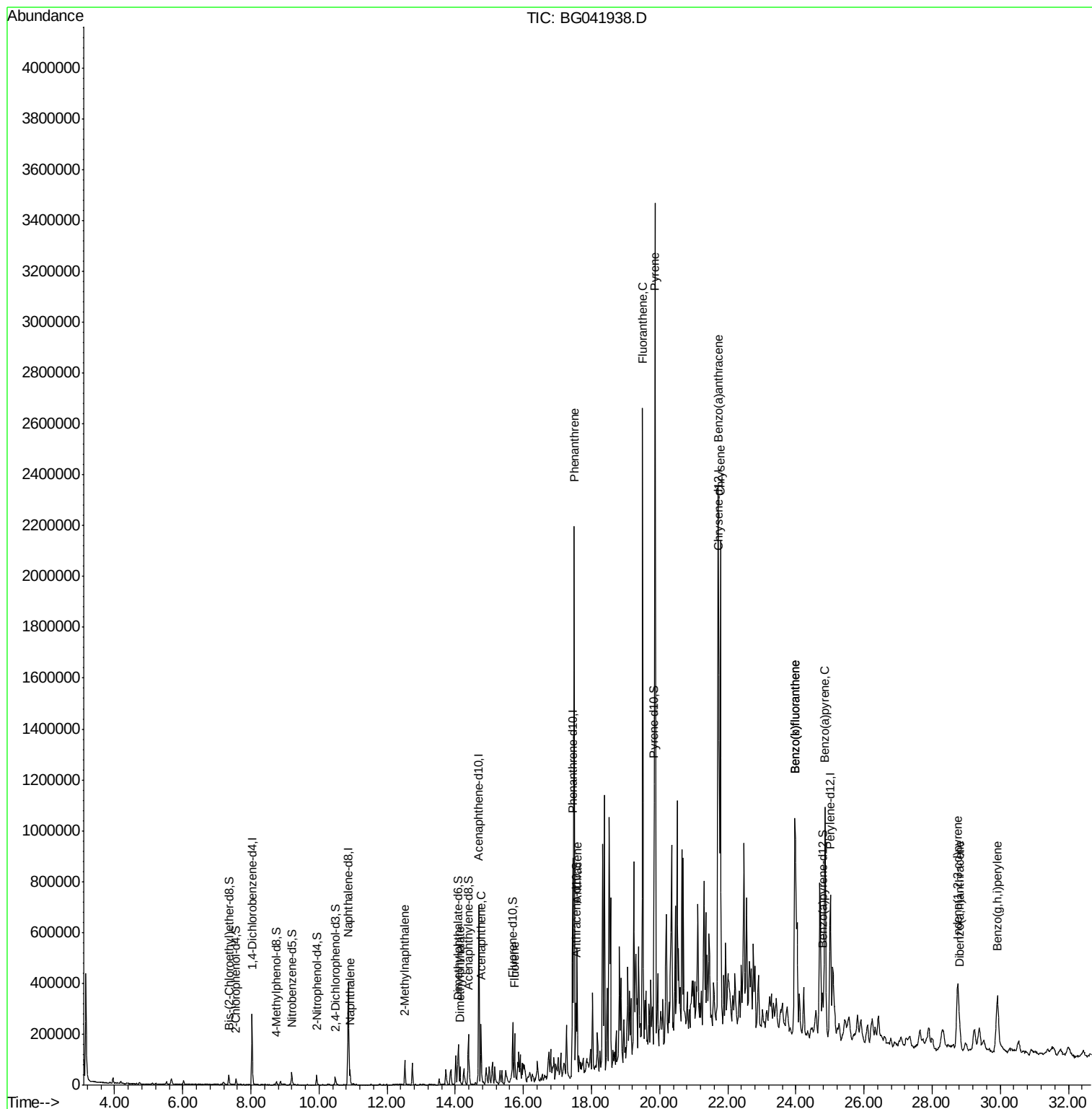
					Qvalue
28) Naphthalene	10.91	128	51092	2.588	ng/ul 99
34) 2-Methylnaphthalene	12.52	142	51639	3.291	ng/ul 100
44) Dimethylphthalate	14.14	163	49112	2.331	ng/ul 98
49) Acenaphthene	14.76	153	103487	6.051	ng/ul 97
58) Fluorene	15.74	166	89843	4.370	ng/ul 98
69) Phenanthrene	17.49	178	1401038	45.247	ng/ul 95
71) Anthracene	17.58	178	347850	11.076	ng/ul 98
76) Fluoranthene	19.50	202	1491560	41.691	ng/ul 99
79) Pyrene	19.87	202	2159331	58.299	ng/ul 95
82) Benzo(a)anthracene	21.71	228	1364810	35.749	ng/ul 95
84) Chrysene	21.78	228	1400356	39.299	ng/ul 95
87) Benzo(b)fluoranthene	23.97	252	1274164	31.418	ng/ul 99
88) Benzo(k)fluoranthene	23.97	252	1274164	32.676	ng/ul 99
90) Benzo(a)pyrene	24.86	252	1108161	28.675	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	28.75	276	480057	10.650	ng/ul 97
92) Dibenzo(a,h)anthracene	28.80	278	171442	4.663	ng/ul 96
93) Benzo(g,h,i)perylene	29.91	276	495197	13.158	ng/ul 99

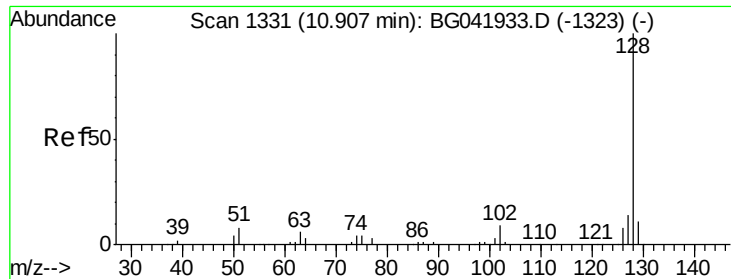
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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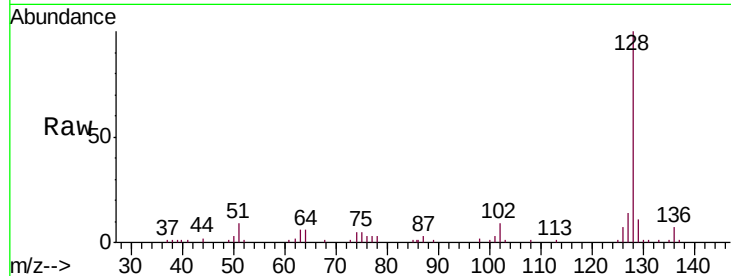




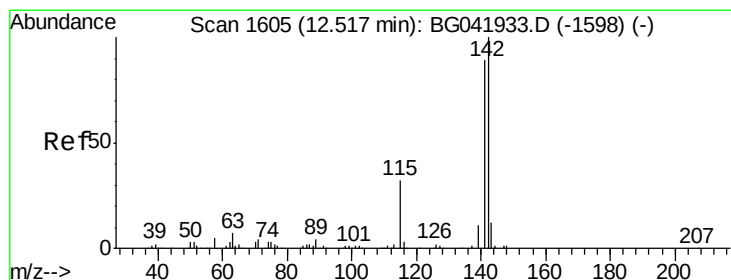
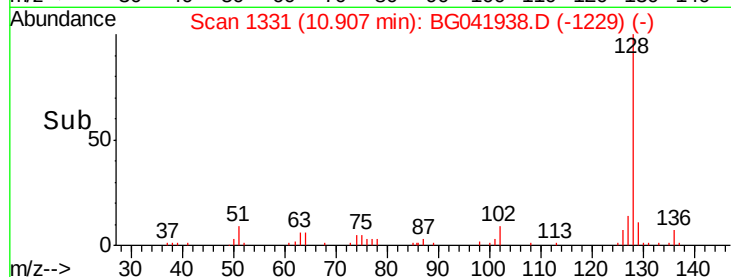
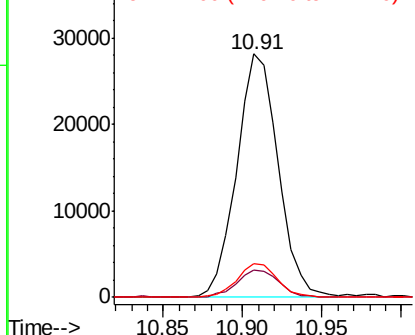
#28
Naphthalene
Concen: 2.588 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Instrument :
BNA_G
ClientSampleId :
BENQ0DL

Tgt Ion:128 Resp: 51092
Ion Ratio Lower Upper
128 100
129 11.3 9.5 14.3
127 14.0 11.4 17.0

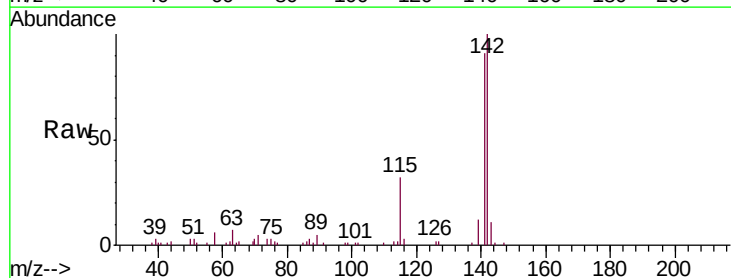


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

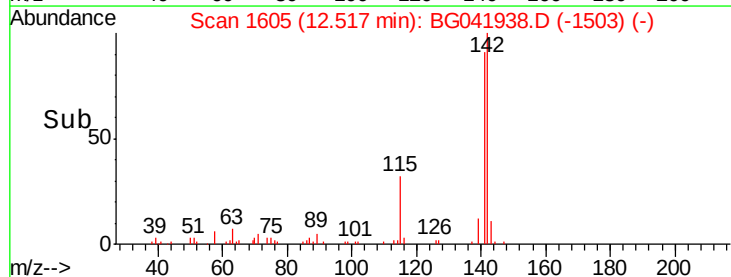
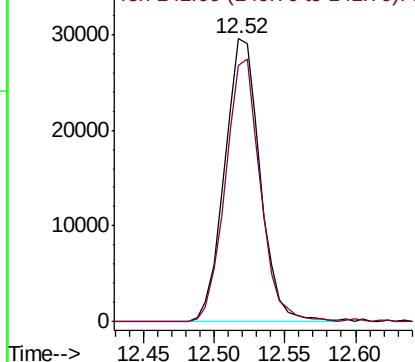


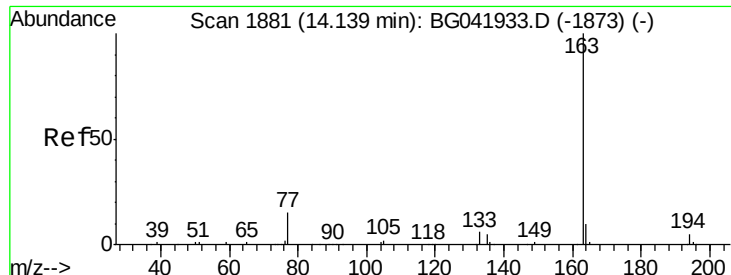
#34
2-Methylnaphthalene
Concen: 3.291 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Tgt Ion:142 Resp: 51639
Ion Ratio Lower Upper
142 100
141 90.8 72.9 109.3



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





#44

Dimethylphthalate

Concen: 2.331 ng/ul

RT: 14.14 min Scan# 1881

Delta R.T. 0.00 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

Instrument :

BNA_G

ClientSampleId :

BENQ0DL

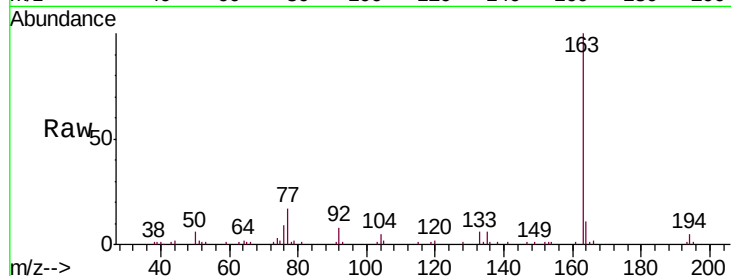
Tgt Ion:163 Resp: 49112

Ion Ratio Lower Upper

163 100

194 5.0 4.2 6.2

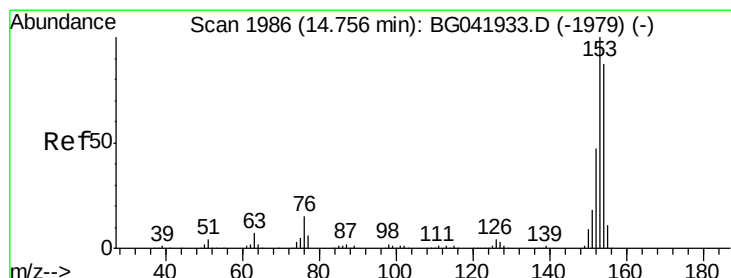
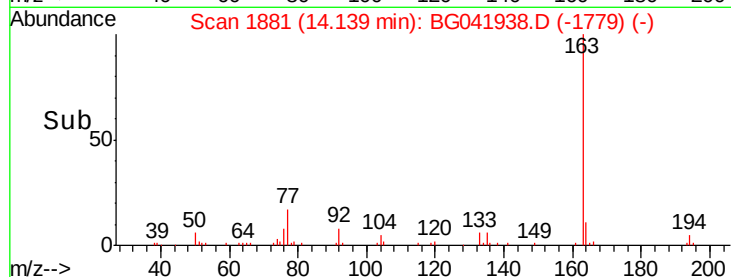
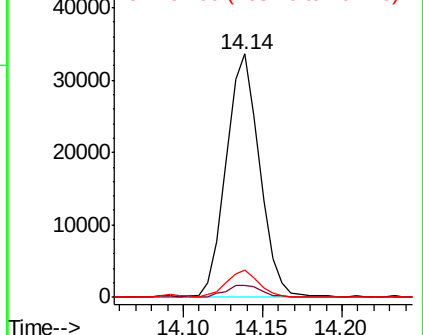
164 11.0 7.8 11.8



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



#49

Acenaphthene

Concen: 6.051 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

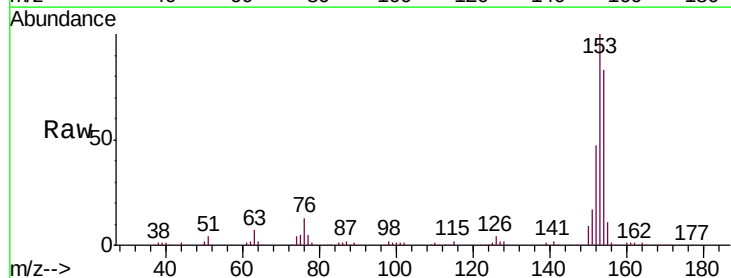
Tgt Ion:153 Resp: 103487

Ion Ratio Lower Upper

153 100

152 46.6 37.8 56.8

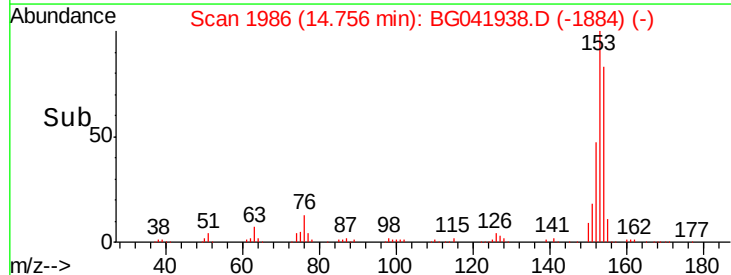
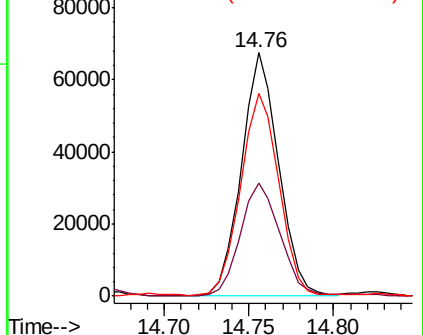
154 83.2 69.4 104.2

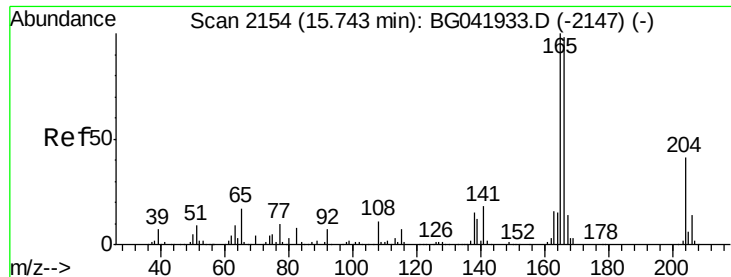


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 4.370 ng/ul

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

Instrument :

BNA_G

ClientSampleId :

BENQ0DL

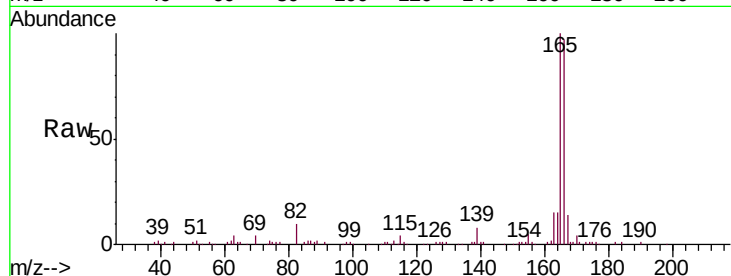
Tgt Ion:166 Resp: 89843

Ion Ratio Lower Upper

166 100

165 103.4 81.1 121.7

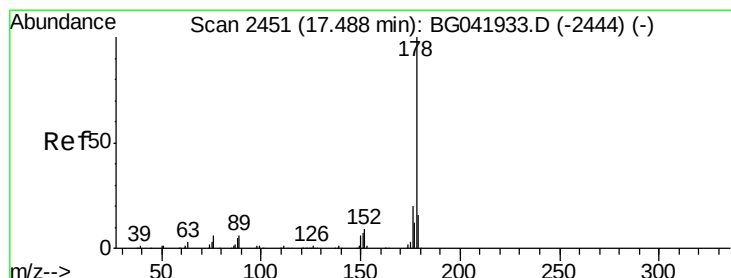
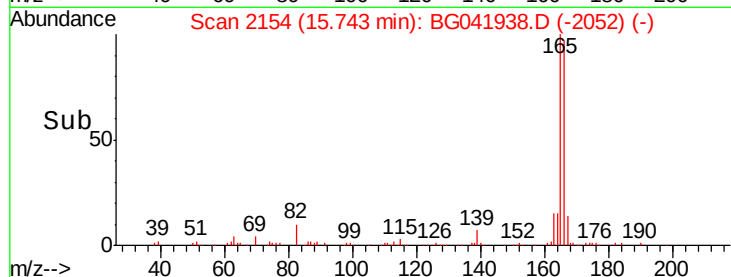
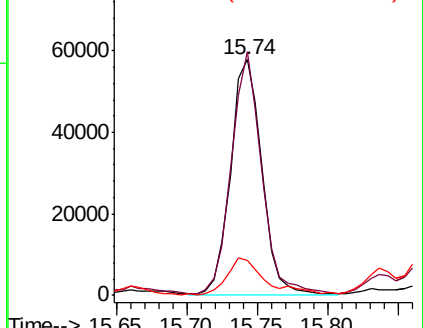
167 14.6 11.0 16.4



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: 45.247 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

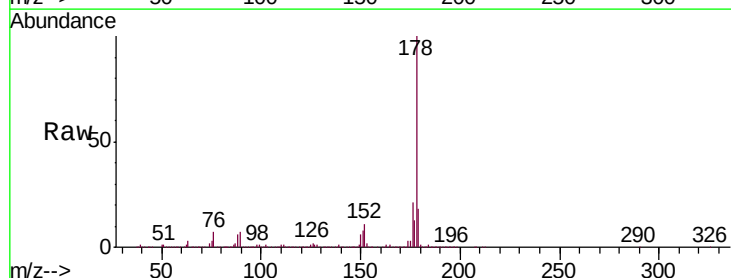
Tgt Ion:178 Resp: 1401038

Ion Ratio Lower Upper

178 100

179 18.1 12.8 19.2

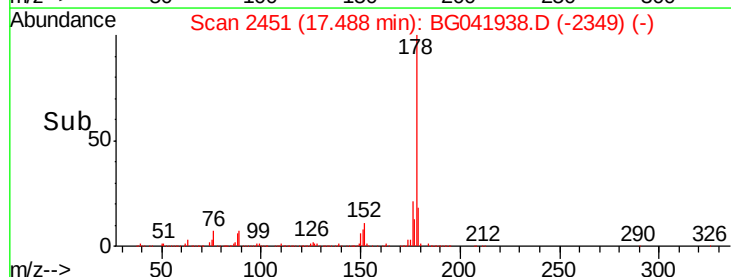
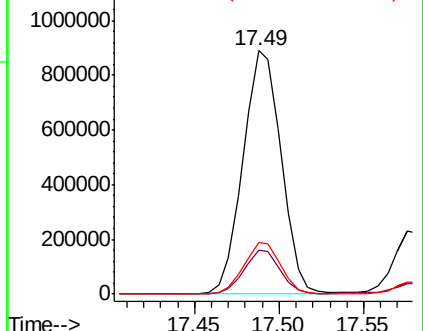
176 21.3 15.4 23.2

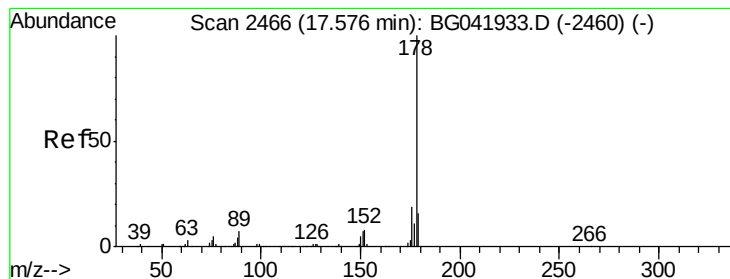


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 11.076 ng/ul

RT: 17.58 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

Instrument :

BNA_G

ClientSampleId :

BENQ0DL

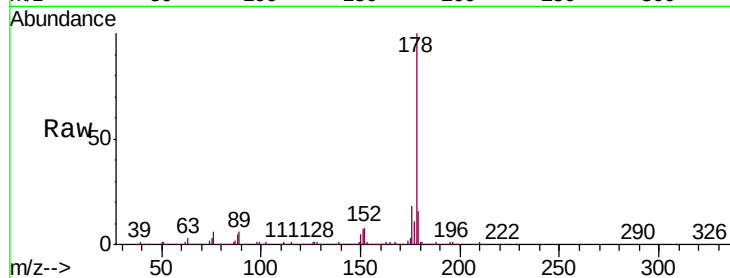
Tgt Ion:178 Resp: 347850

Ion Ratio Lower Upper

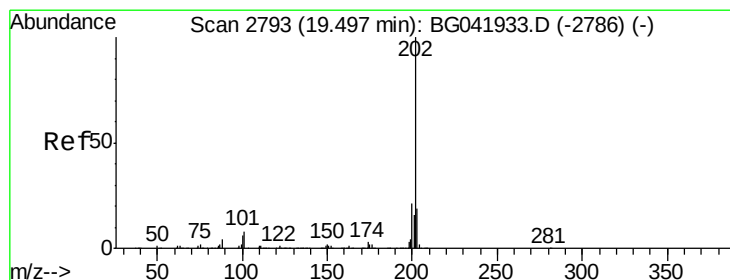
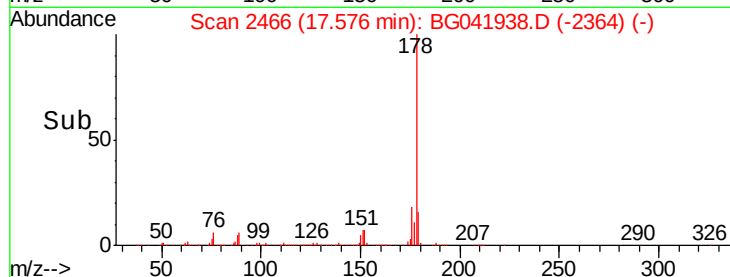
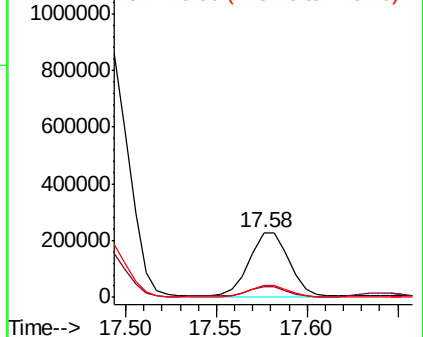
178 100

179 16.4 13.4 20.0

176 18.2 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



#76

Fluoranthene

Concen: 41.691 ng/ul

RT: 19.50 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

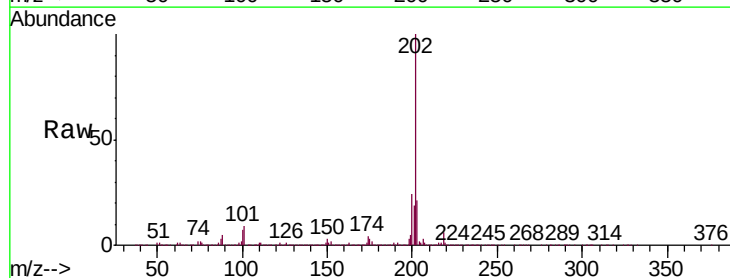
Tgt Ion:202 Resp: 1491560

Ion Ratio Lower Upper

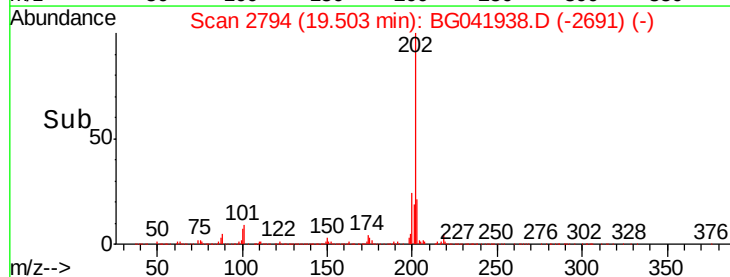
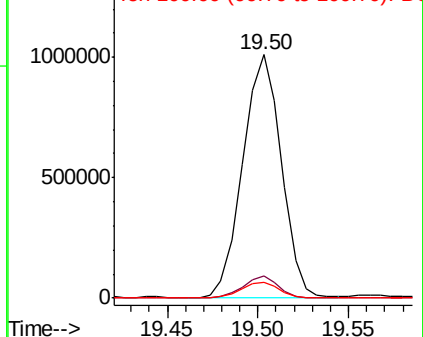
202 100

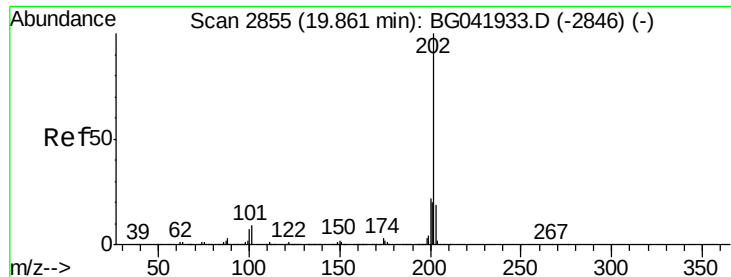
101 9.0 6.7 10.1

100 6.7 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

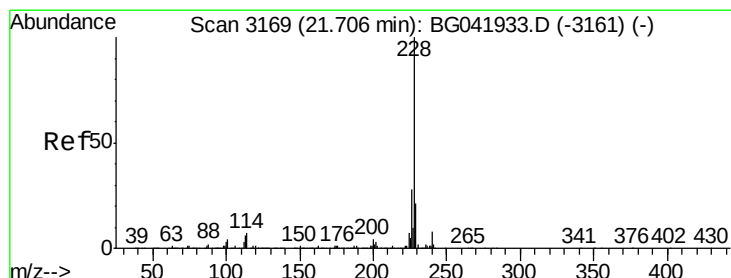
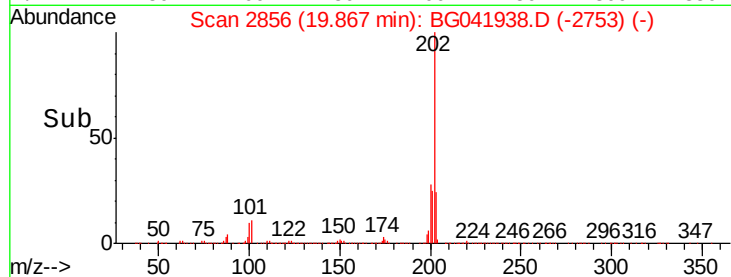
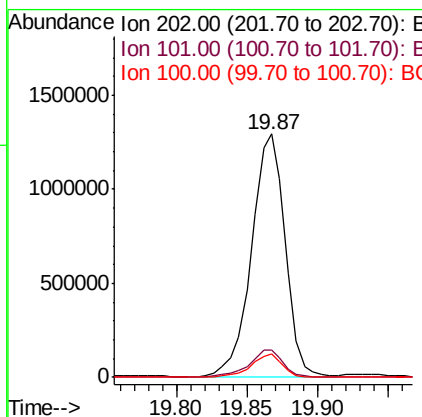
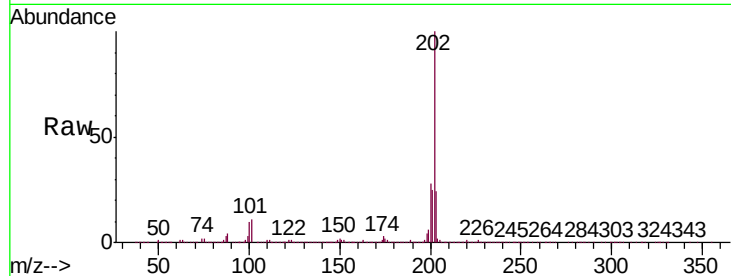




#79
 Pyrene
 Concen: 58.299 ng/ul
 RT: 19.87 min Scan# 2856
 Delta R.T. 0.01 min
 Lab File: BG041938.D
 Acq: 4 Aug 2019 11:51

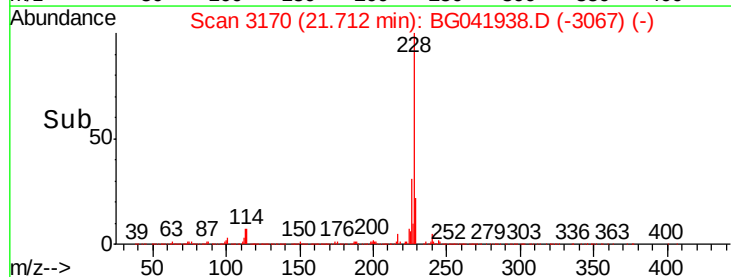
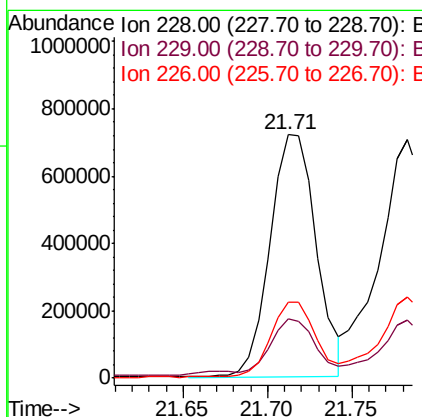
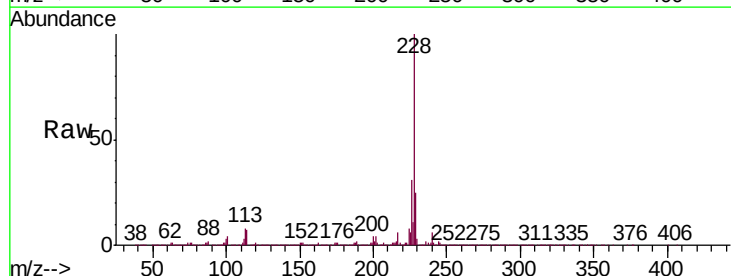
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 BENQ0DL

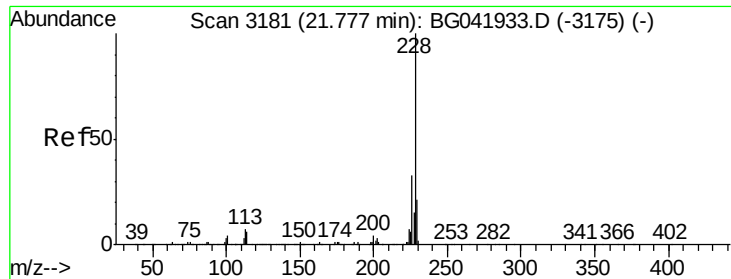
Tgt Ion:202 Resp: 2159331
 Ion Ratio Lower Upper
 202 100
 101 11.4 7.6 11.4
 100 9.5 6.5 9.7



#82
 Benzo(a)anthracene
 Concen: 35.749 ng/ul
 RT: 21.71 min Scan# 3170
 Delta R.T. 0.01 min
 Lab File: BG041938.D
 Acq: 4 Aug 2019 11:51

Tgt Ion:228 Resp: 1364810
 Ion Ratio Lower Upper
 228 100
 229 24.6 17.0 25.6
 226 31.3 23.3 34.9





#84

Chrysene

Concen: 39.299 ng/ul

RT: 21.78 min Scan# 3182

Delta R.T. 0.01 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

Instrument :

BNA_G

ClientSampleId :

BENQ0DL

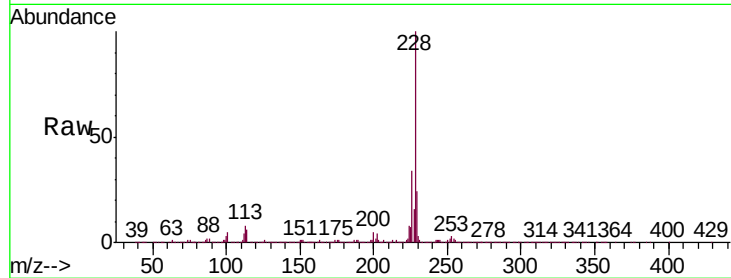
Tgt Ion:228 Resp: 1400356

Ion Ratio Lower Upper

228 100

226 34.0 25.7 38.5

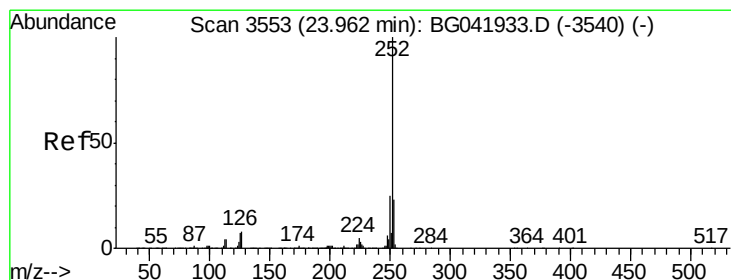
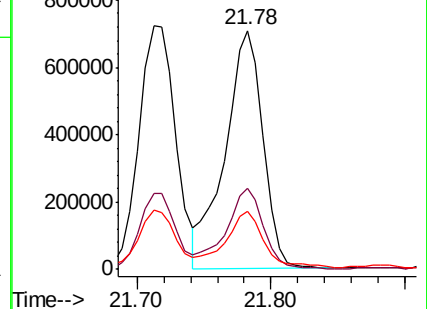
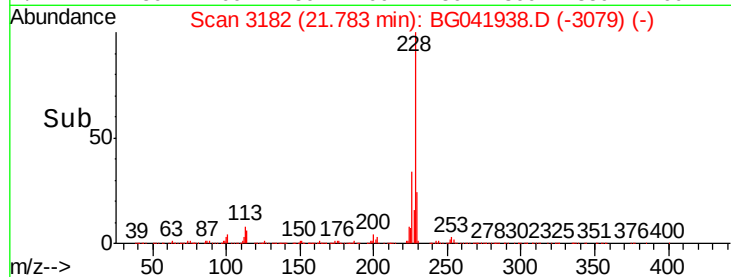
229 24.4 16.6 24.8



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: 31.418 ng/ul

RT: 23.97 min Scan# 3555

Delta R.T. 0.01 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

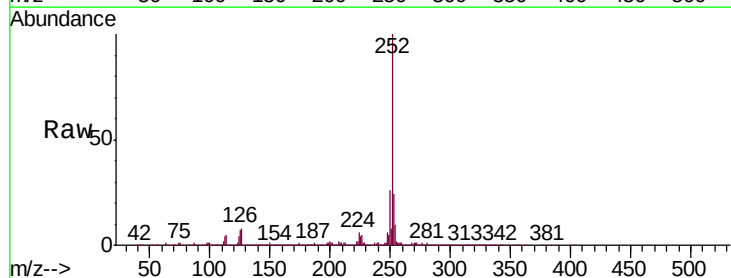
Tgt Ion:252 Resp: 1274164

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

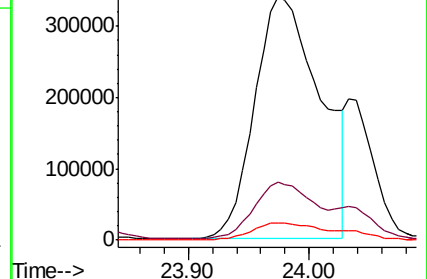
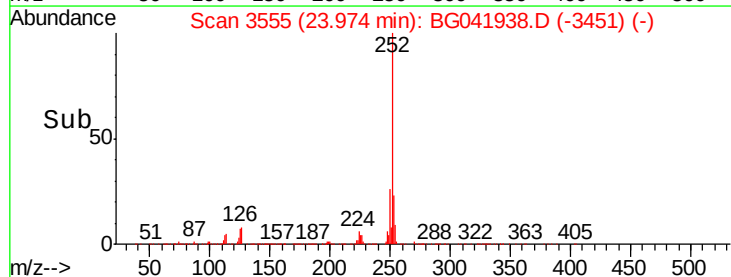
125 7.0 5.8 8.8

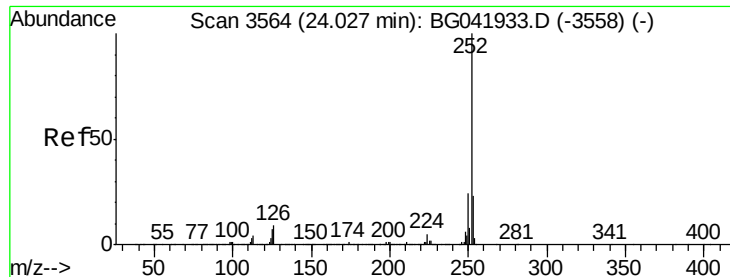


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 32.676 ng/ul

RT: 23.97 min Scan# 3555

Delta R.T. -0.05 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

Instrument :

BNA_G

ClientSampleId :

BENQ0DL

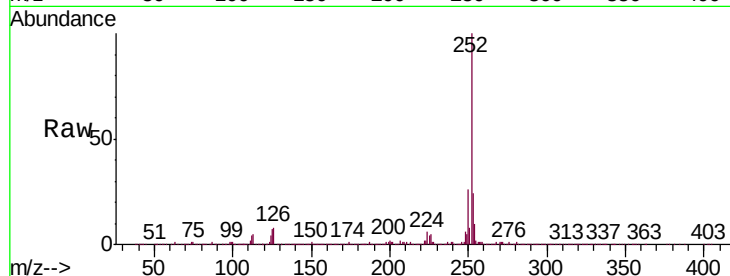
Tgt Ion:252 Resp: 1274164

Ion Ratio Lower Upper

252 100

253 23.7 18.3 27.5

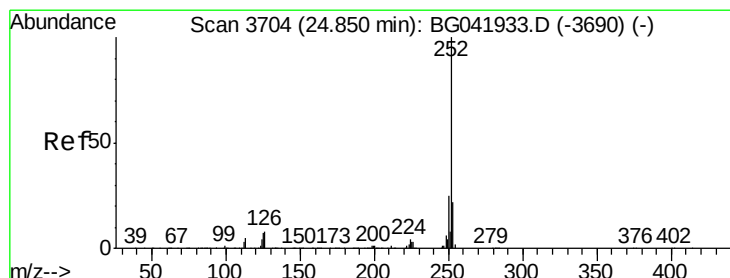
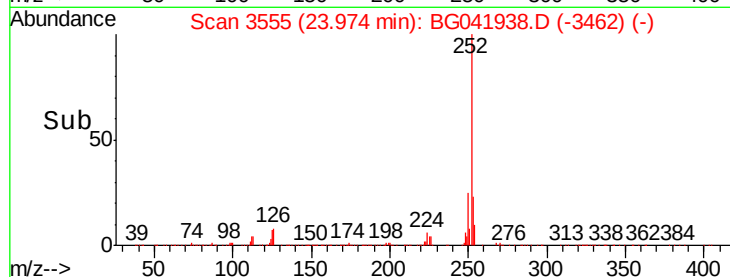
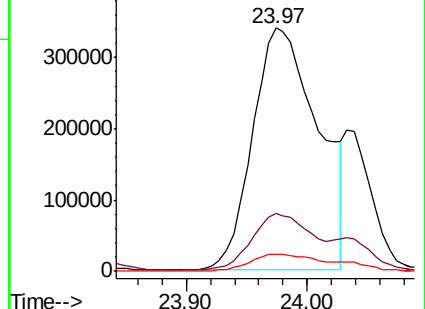
125 7.0 5.5 8.3



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: 28.675 ng/ul

RT: 24.86 min Scan# 3706

Delta R.T. 0.01 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

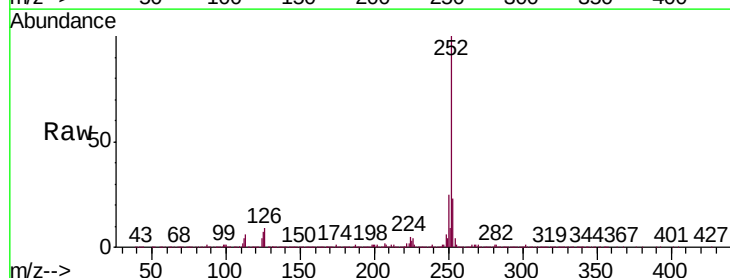
Tgt Ion:252 Resp: 1108161

Ion Ratio Lower Upper

252 100

253 22.8 18.3 27.5

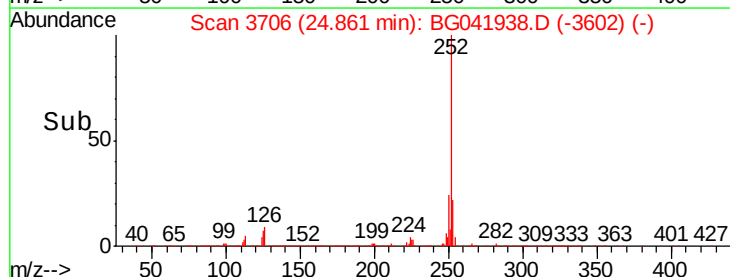
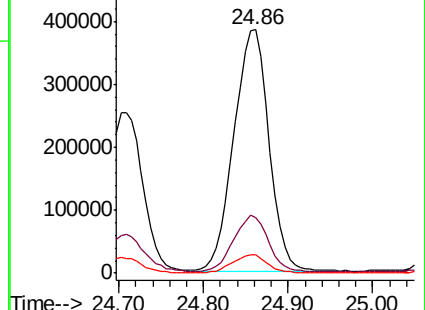
125 7.4 6.5 9.7

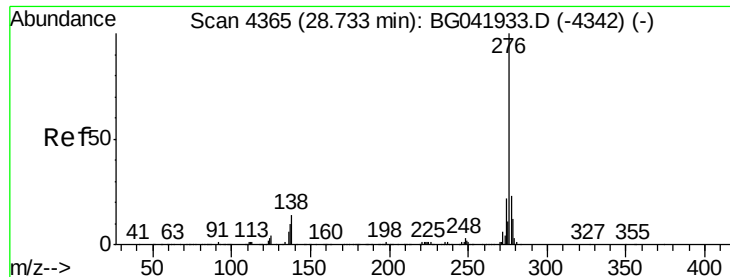


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



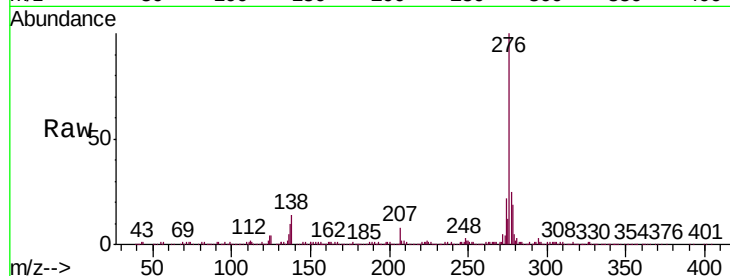


#91

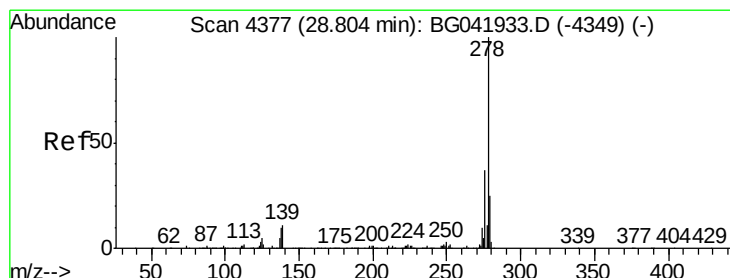
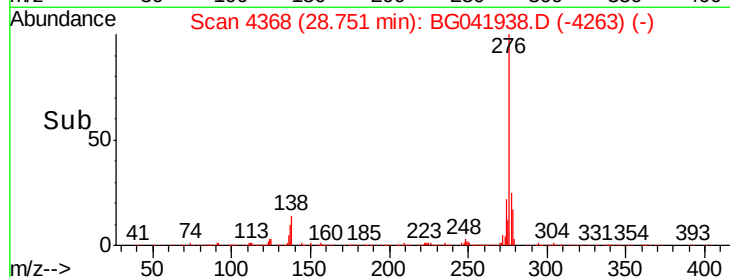
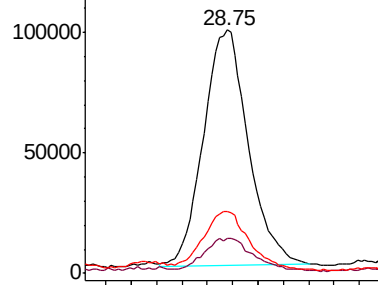
Indeno(1,2,3-cd)pyrene
Concen: 10.650 ng/ul
RT: 28.75 min Scan# 4368
Delta R.T. 0.02 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Instrument :
BNA_G
ClientSampleId :
BENQ0DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	12.0	18.0
277	25.5	19.2	28.8



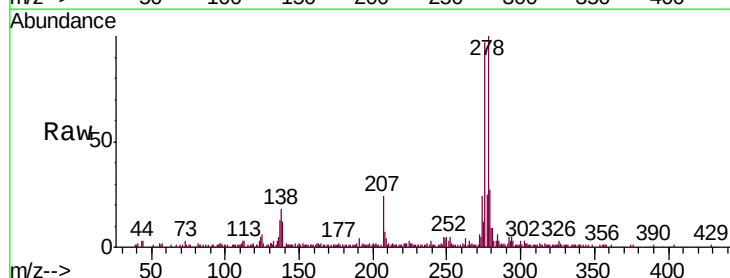
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



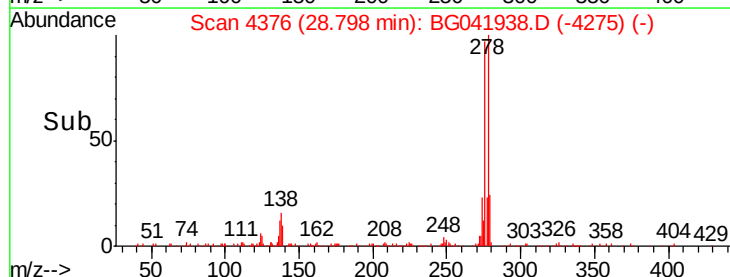
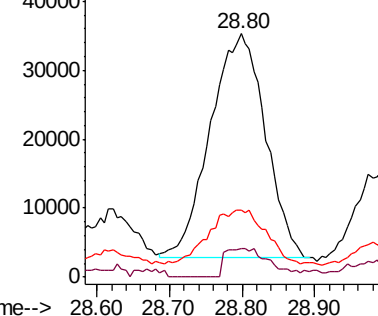
#92

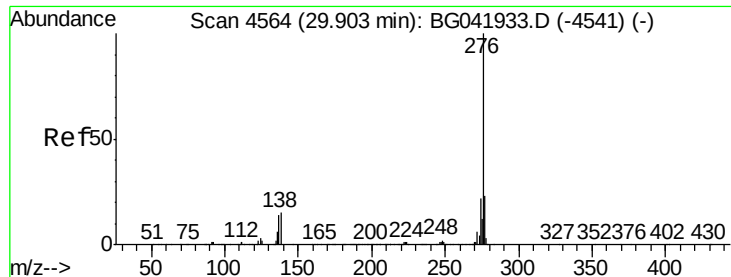
Dibenzo(a,h)anthracene
Concen: 4.663 ng/ul
RT: 28.80 min Scan# 4376
Delta R.T. -0.01 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.7	9.4	14.0
279	27.3	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: 13.158 ng/ul

RT: 29.91 min Scan# 4566

Delta R.T. 0.01 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

Instrument :

BNA_G

ClientSampleId :

BENQ0DL

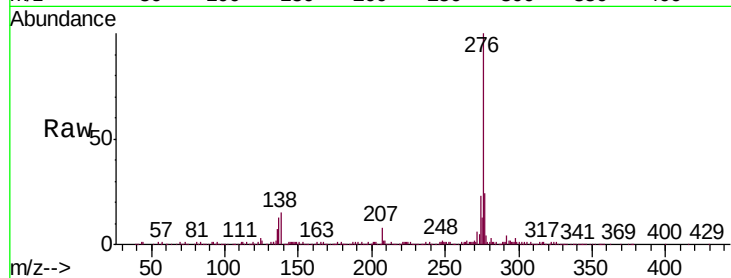
Tgt Ion: 276 Resp: 495197

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

