

Data File : BG042035.D
Acq On : 7 Aug 2019 17:35
Operator : HP/JU
Sample : K4028-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENR4

Quant Time: Aug 08 01:40:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 08 01:36:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	73479	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	309372	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	220317	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	463403	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	446264	20.00	ng/ul	0.00
85) Perylene-d12	24.98	264	536032	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	3251	1.94	ng/uL	0.00
5) Phenol-d5	7.18	99	81459	14.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	46079	14.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	79611	16.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	68727	14.20	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	39996	17.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	51969	19.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	93177	17.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	93916	15.50	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	332785	19.48	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	375969	19.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	36831	12.84	ng/ul	0.00
57) Fluorene-d10	15.68	176	294764	19.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.79	200	46686	15.70	ng/ul	0.00
70) Anthracene-d10	17.54	188	457632	20.58	ng/ul	0.00
78) Pyrene-d10	19.82	212	509552	20.46	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	578696	20.67	ng/ul	0.00

Target Compounds

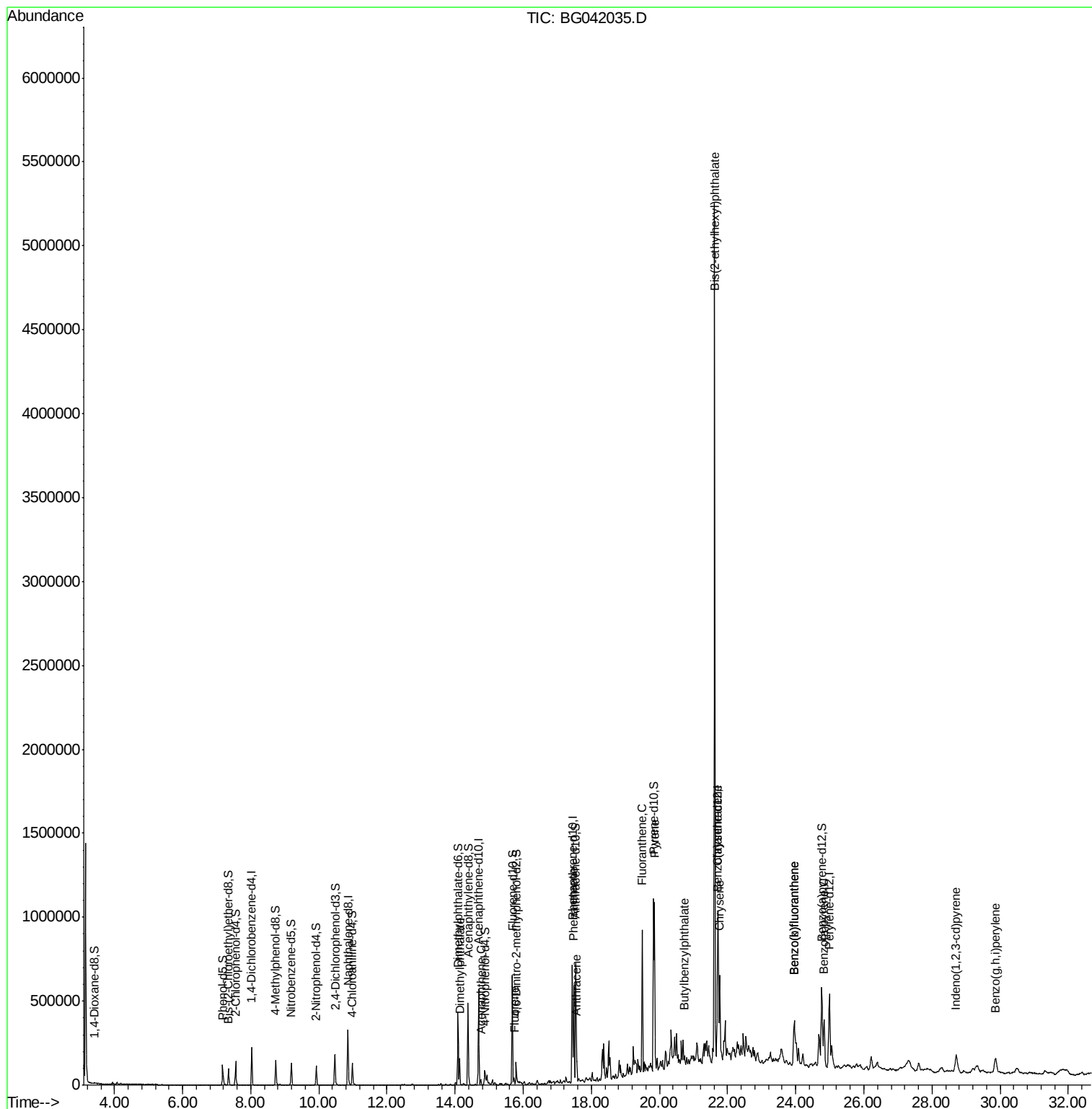
					Qvalue	
44) Dimethylphthalate	14.13	163	116550	6.870	ng/ul	98
49) Acenaphthene	14.75	153	16214	1.177	ng/ul	95
58) Fluorene	15.73	166	17279	1.043	ng/ul	90
69) Phenanthrene	17.48	178	391703	15.440	ng/ul	99
71) Anthracene	17.57	178	91666	3.563	ng/ul	96
76) Fluoranthene	19.49	202	573173	19.554	ng/ul	97
79) Pyrene	19.85	202	665191	22.160	ng/ul	98
80) Butylbenzylphthalate	20.74	149	13004	1.101	ng/ul	95
82) Benzo(a)anthracene	21.70	228	388351	12.551	ng/ul	100
83) Bis(2-ethylhexyl)phthalate	21.62	149	2154341	133.633	ng/ul#	83
84) Chrysene	21.77	228	389243	13.478	ng/ul	98
87) Benzo(b)fluoranthene	23.95	252	388802	11.558	ng/ul	97
88) Benzo(k)fluoranthene	23.95	252	388802	12.021	ng/ul	97
90) Benzo(a)pyrene	24.83	252	333820	10.414	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	28.71	276	180670	4.832	ng/ul	98
93) Benzo(g,h,i)perylene	29.87	276	186558	5.976	ng/ul	99

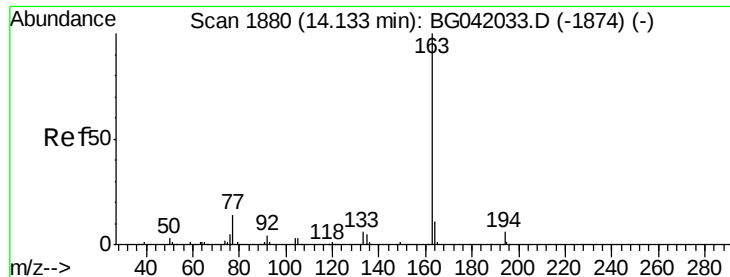
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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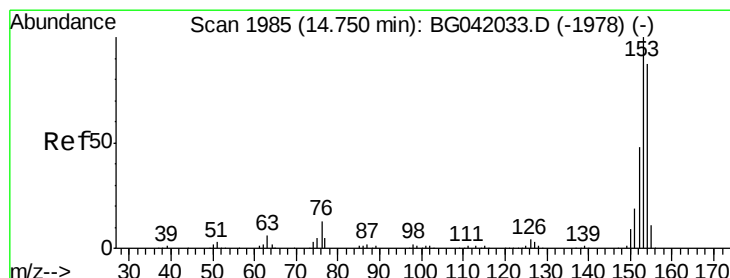
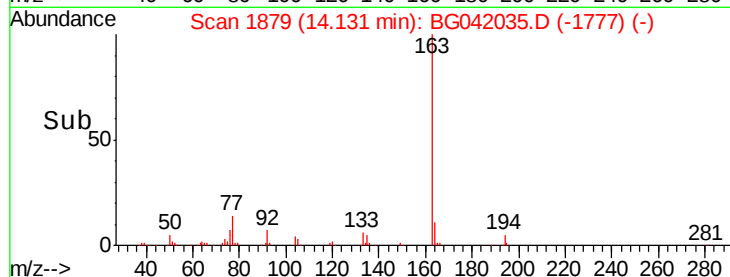
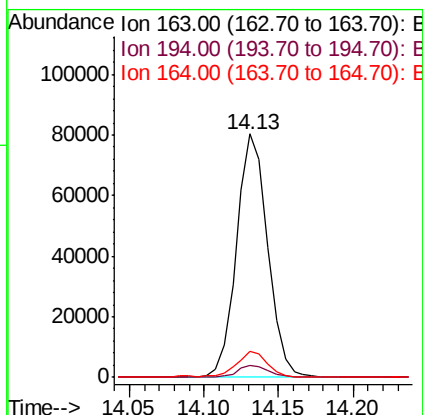
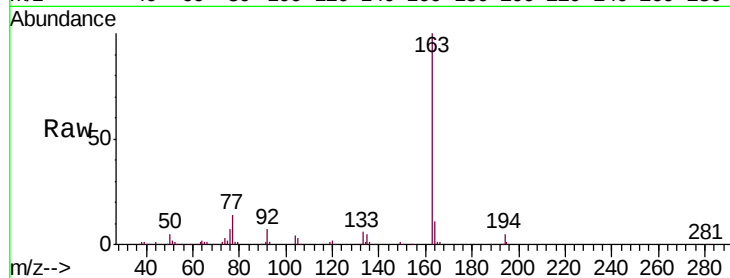




#44
Dimethylphthalate
Concen: 6.870 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042035.D
Acq: 7 Aug 2019 17:35

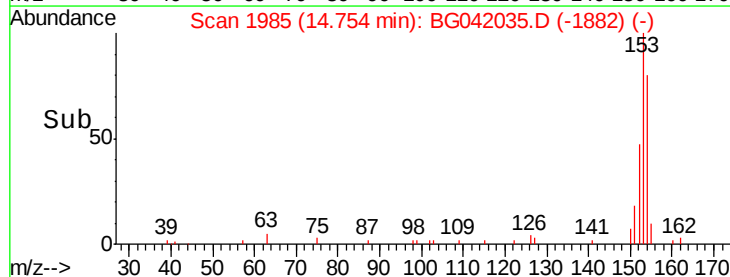
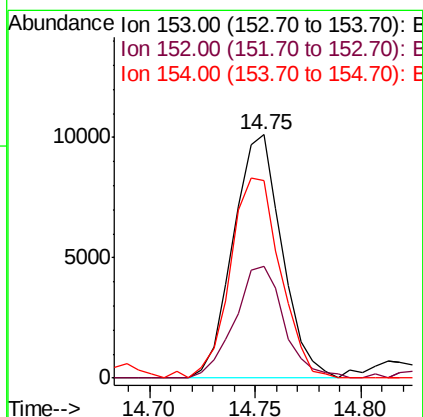
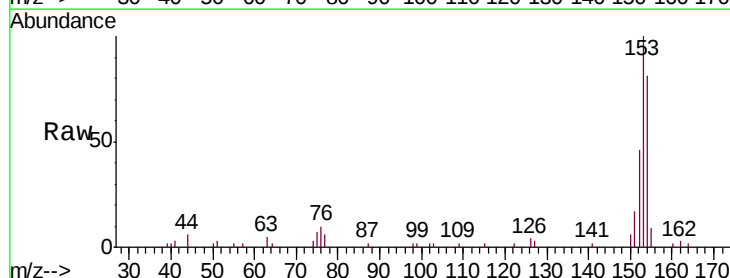
Instrument :
BNA_G
ClientSampleId :
BENR4

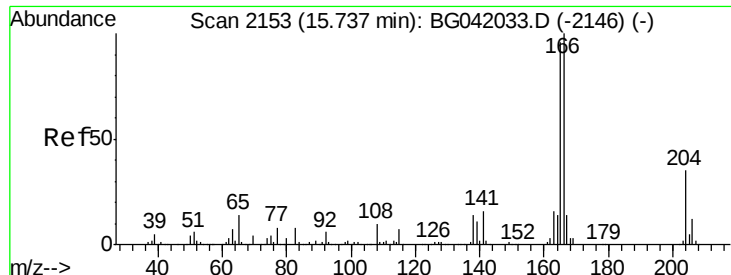
Tgt Ion:163 Resp: 116550
Ion Ratio Lower Upper
163 100
194 4.9 4.2 6.2
164 10.9 7.8 11.8



#49
Acenaphthene
Concen: 1.177 ng/ul
RT: 14.75 min Scan# 1985
Delta R.T. 0.00 min
Lab File: BG042035.D
Acq: 7 Aug 2019 17:35

Tgt Ion:153 Resp: 16214
Ion Ratio Lower Upper
153 100
152 45.9 37.8 56.8
154 81.3 69.4 104.2





#58

Fluorene

Concen: 1.043 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

Instrument :

BNA_G

ClientSampleId :

BENR4

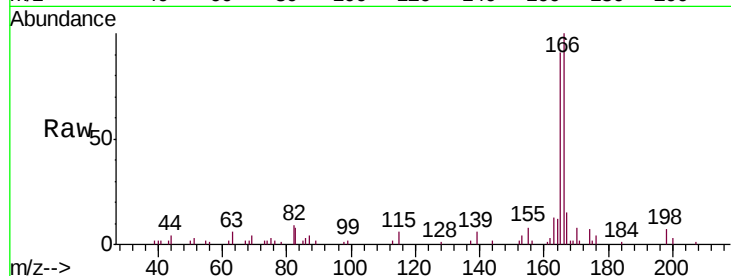
Tgt Ion:166 Resp: 17279

Ion Ratio Lower Upper

166 100

165 90.7 81.1 121.7

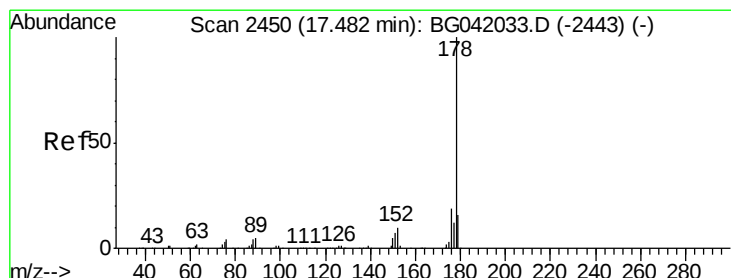
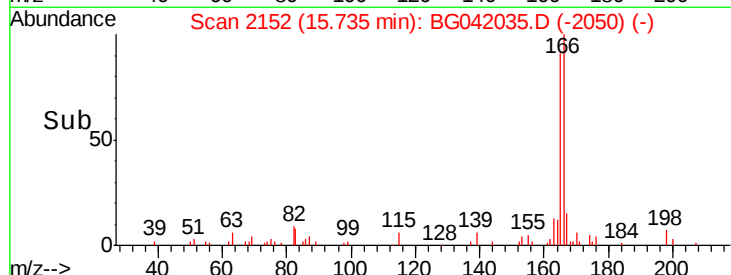
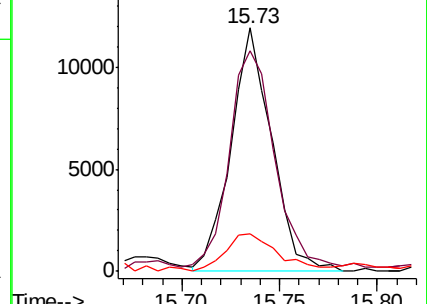
167 15.5 11.0 16.4



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: 15.440 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

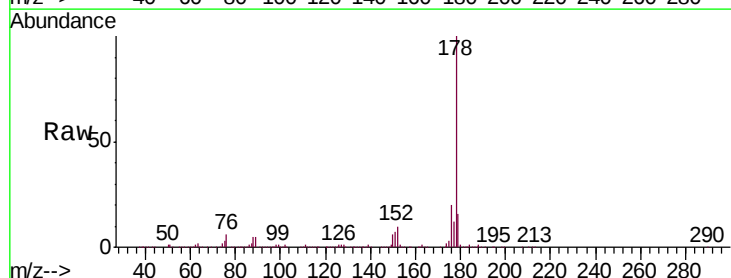
Tgt Ion:178 Resp: 391703

Ion Ratio Lower Upper

178 100

179 16.2 12.8 19.2

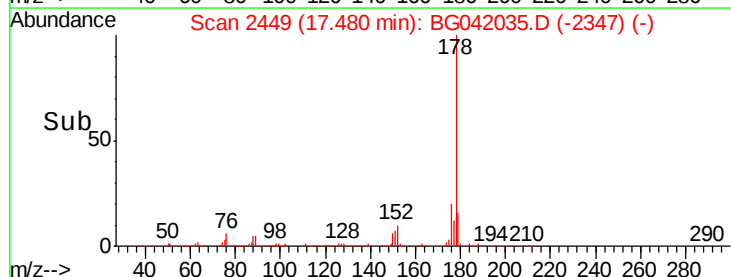
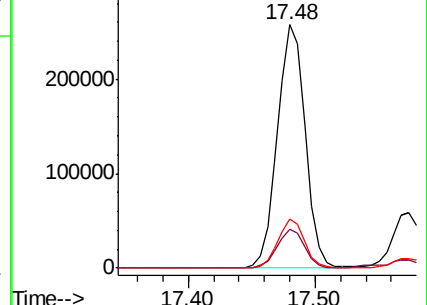
176 20.1 15.4 23.2

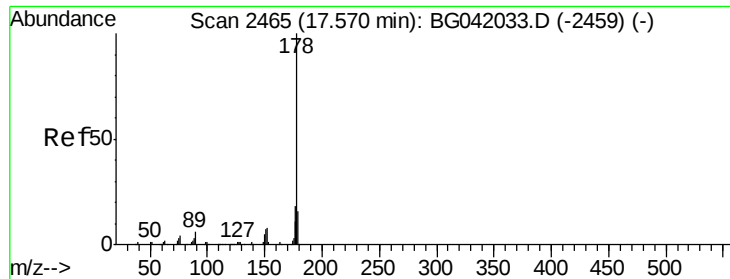


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

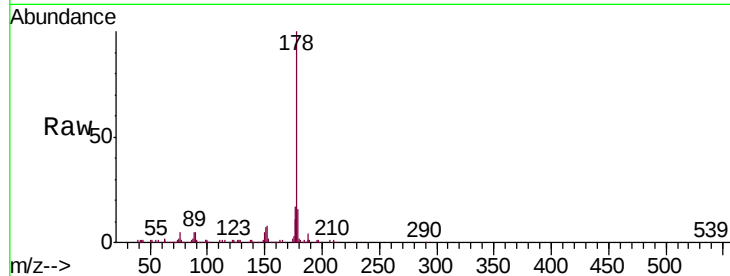




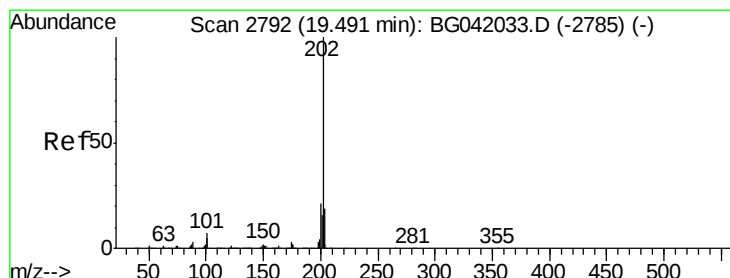
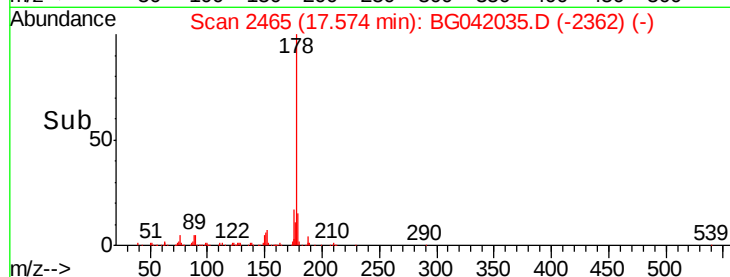
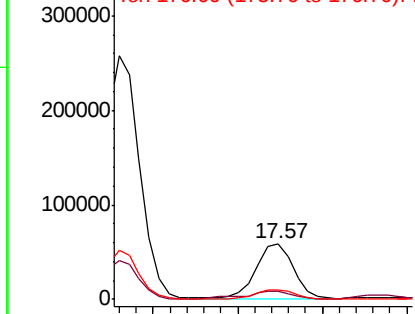
#71
 Anthracene
 Concen: 3.563 ng/ul
 RT: 17.57 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BG042035.D
 Acq: 7 Aug 2019 17:35

Instrument :
 BNA_G
 ClientSampleId :
 BENR4

Tgt Ion:178 Resp: 91666
 Ion Ratio Lower Upper
 178 100
 179 15.5 13.4 20.0
 176 17.3 15.4 23.2

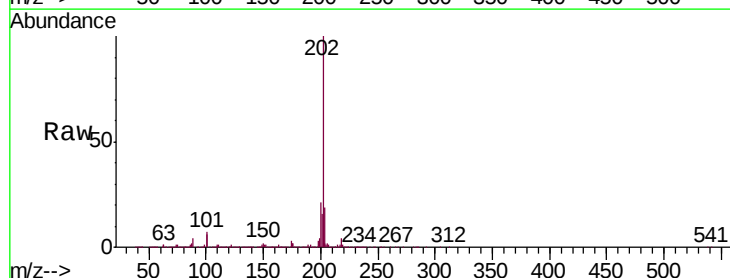


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

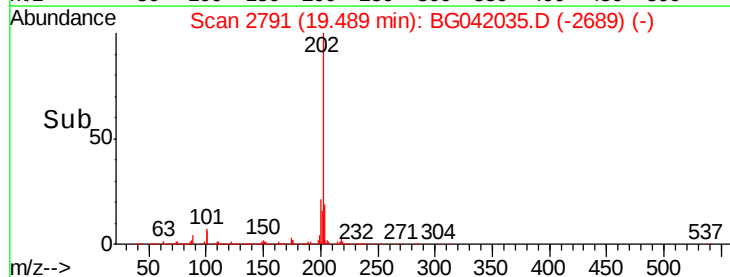
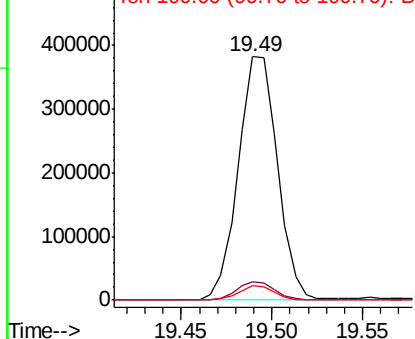


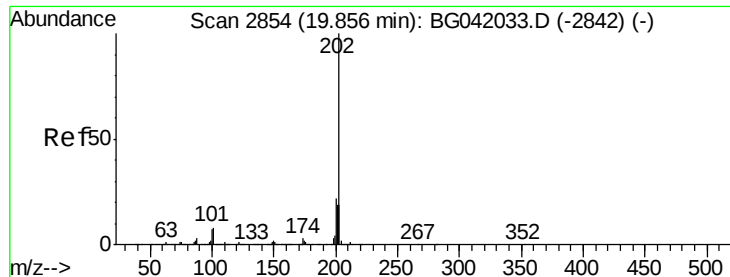
#76
 Fluoranthene
 Concen: 19.554 ng/ul
 RT: 19.49 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BG042035.D
 Acq: 7 Aug 2019 17:35

Tgt Ion:202 Resp: 573173
 Ion Ratio Lower Upper
 202 100
 101 7.3 6.7 10.1
 100 5.9 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: 22.160 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

Instrument :

BNA_G

ClientSampleId :

BENR4

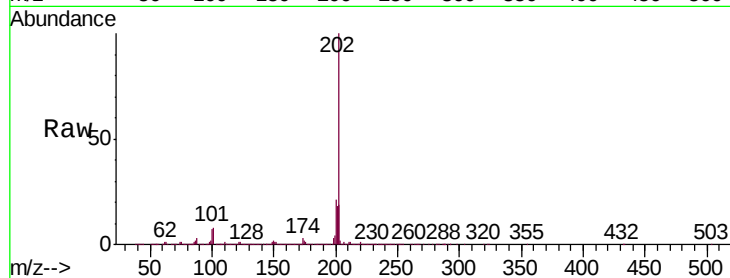
Tgt Ion:202 Resp: 665191

Ion Ratio Lower Upper

202 100

101 8.5 7.6 11.4

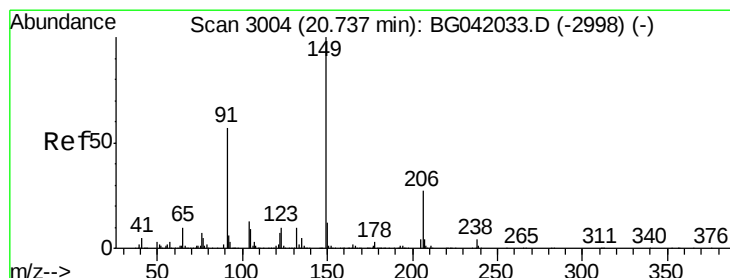
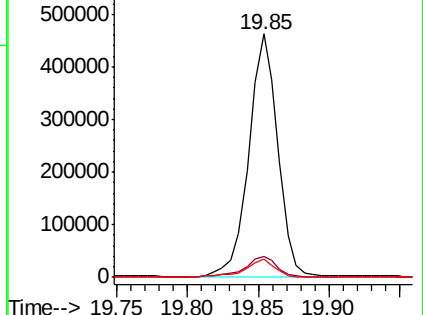
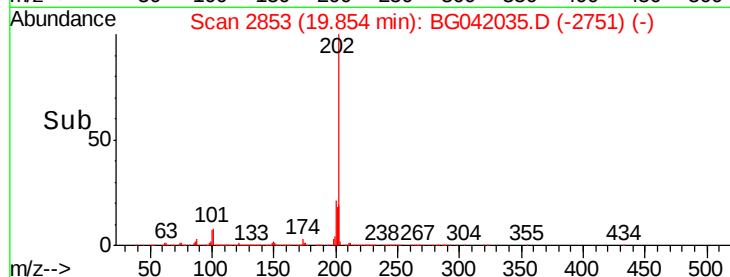
100 7.4 6.5 9.7



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



#80

Butylbenzylphthalate

Concen: 1.101 ng/ul

RT: 20.74 min Scan# 3004

Delta R.T. 0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

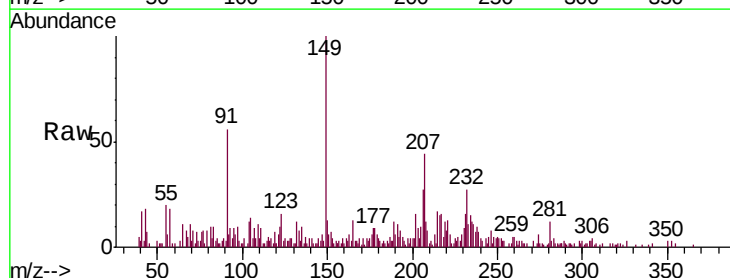
Tgt Ion:149 Resp: 13004

Ion Ratio Lower Upper

149 100

91 56.4 49.5 74.3

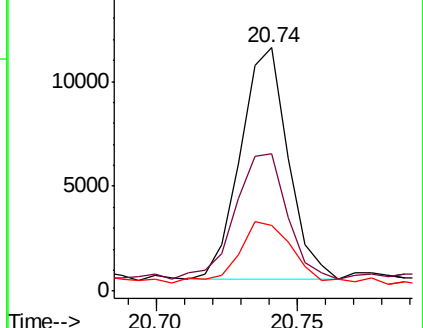
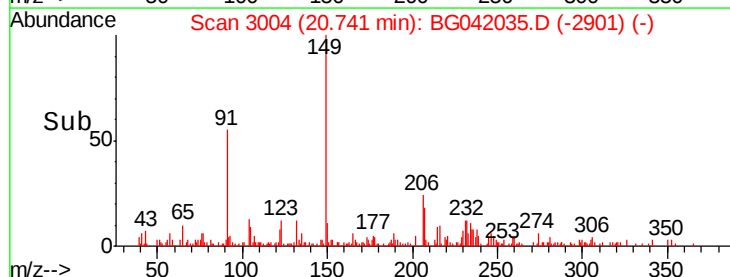
206 26.8 21.3 31.9

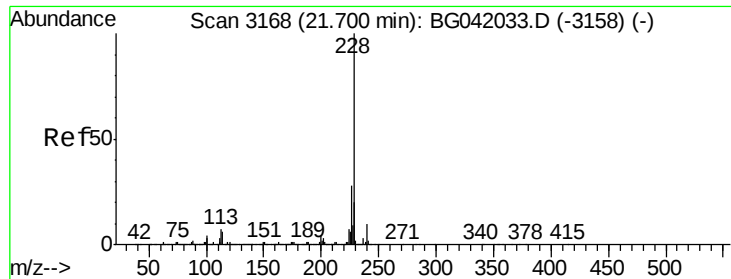


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 12.551 ng/ul

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

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ClientSampleId :

BENR4

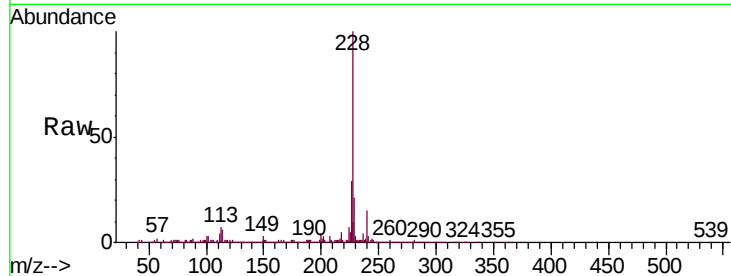
Tgt Ion:228 Resp: 388351

Ion Ratio Lower Upper

228 100

229 21.0 17.0 25.6

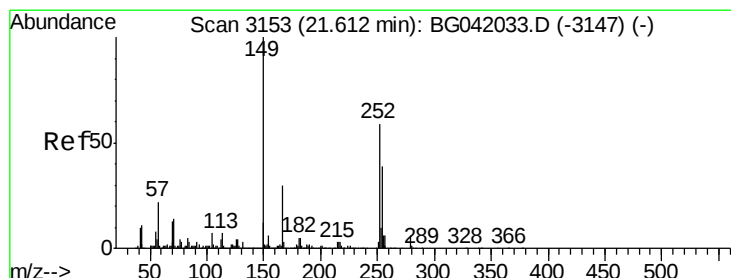
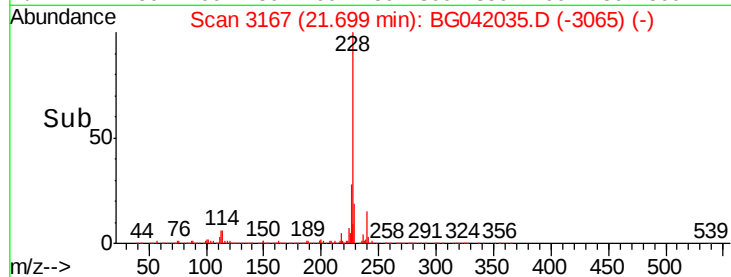
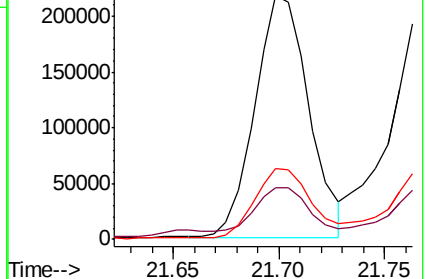
226 29.0 23.3 34.9



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: 133.633 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. 0.01 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

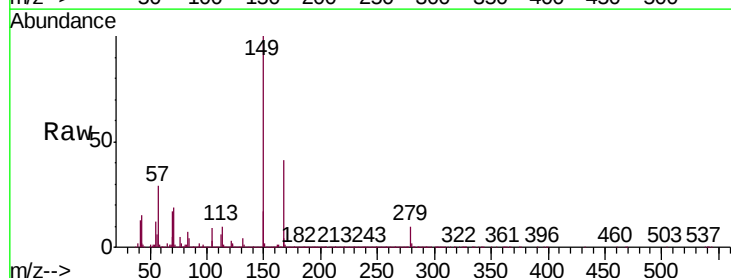
Tgt Ion:149 Resp: 2154341

Ion Ratio Lower Upper

149 100

167 41.2 25.0 37.4#

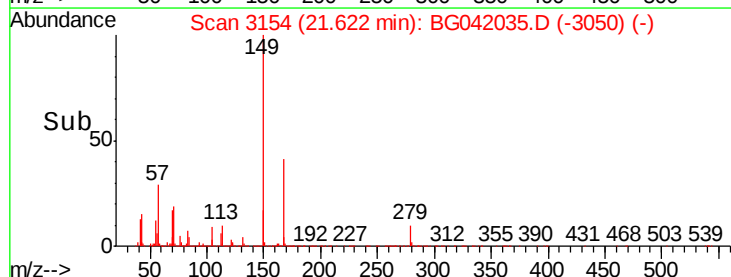
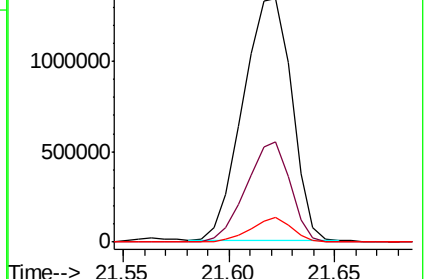
279 10.3 5.2 7.8#

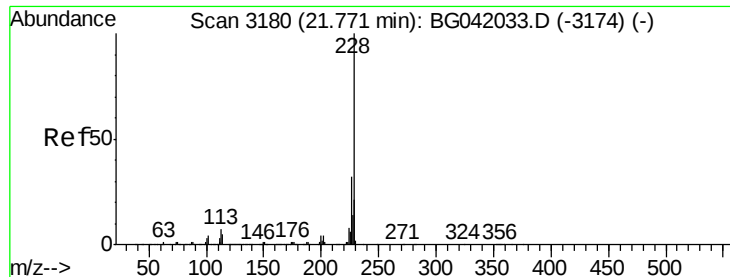


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 13.478 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

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BENR4

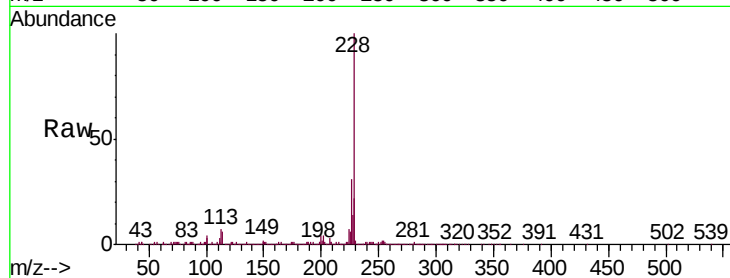
Tgt Ion:228 Resp: 389243

Ion Ratio Lower Upper

228 100

226 31.3 25.7 38.5

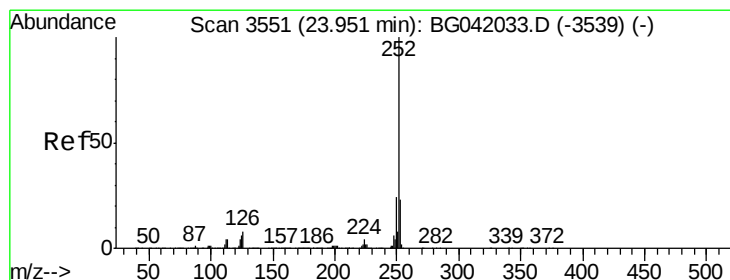
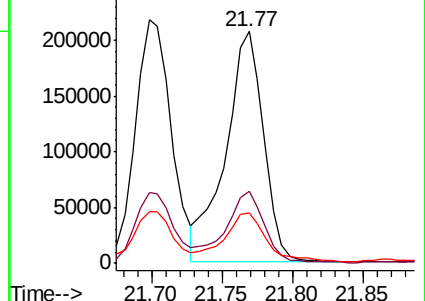
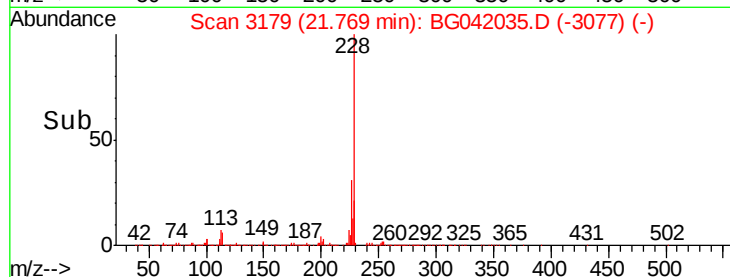
229 21.7 16.6 24.8



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: 11.558 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

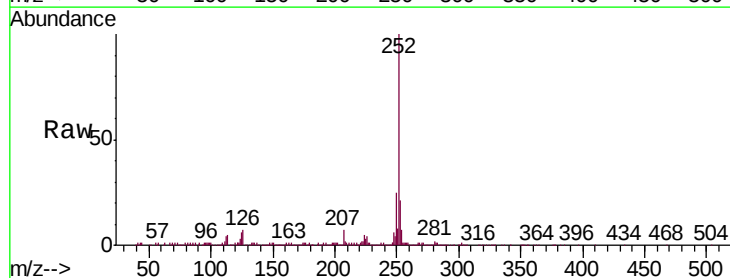
Tgt Ion:252 Resp: 388802

Ion Ratio Lower Upper

252 100

253 21.3 18.4 27.6

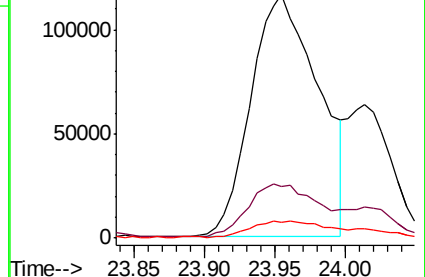
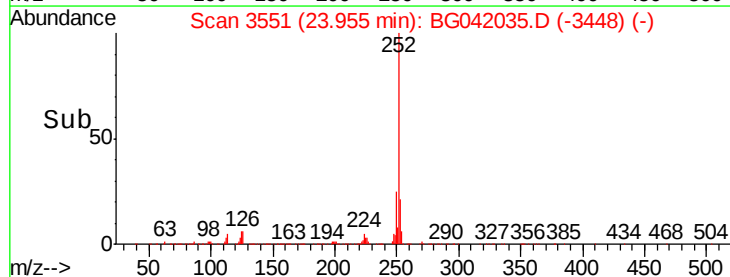
125 6.4 5.8 8.8

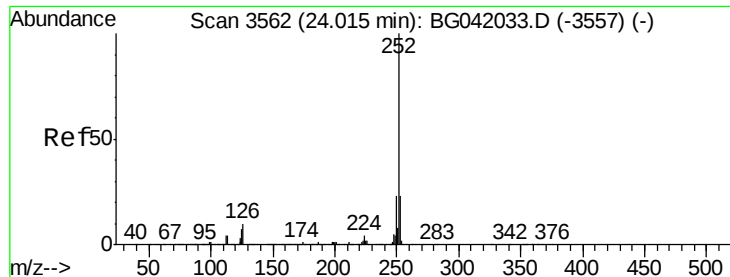


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 12.021 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. -0.06 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

Instrument :

BNA_G

ClientSampleId :

BENR4

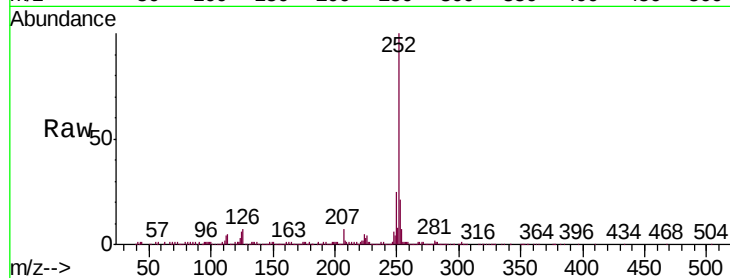
Tgt Ion:252 Resp: 388802

Ion Ratio Lower Upper

252 100

253 21.3 18.3 27.5

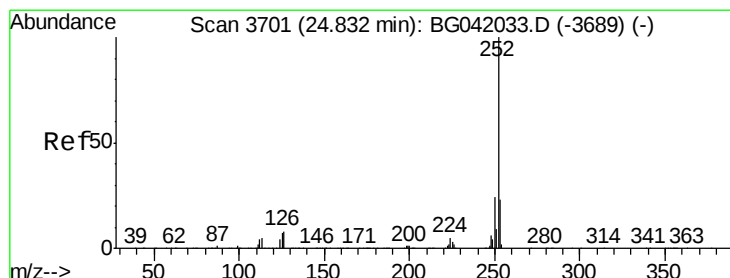
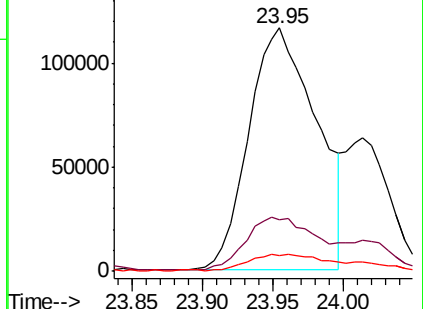
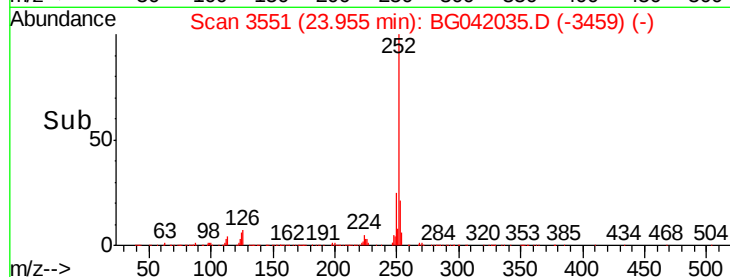
125 6.4 5.5 8.3



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: 10.414 ng/ul

RT: 24.83 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

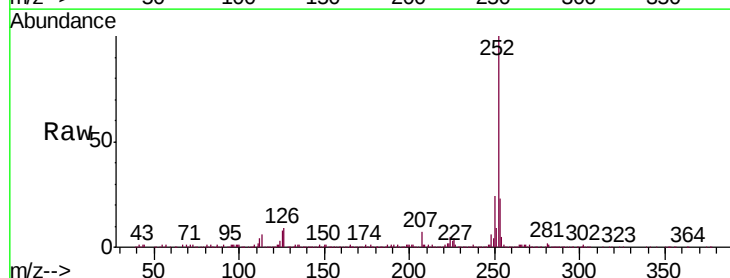
Tgt Ion:252 Resp: 333820

Ion Ratio Lower Upper

252 100

253 23.0 18.3 27.5

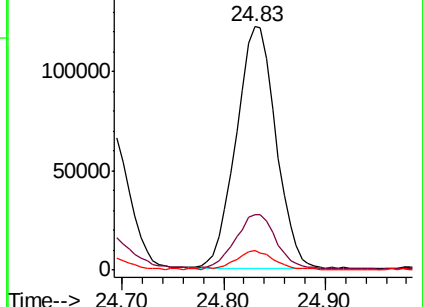
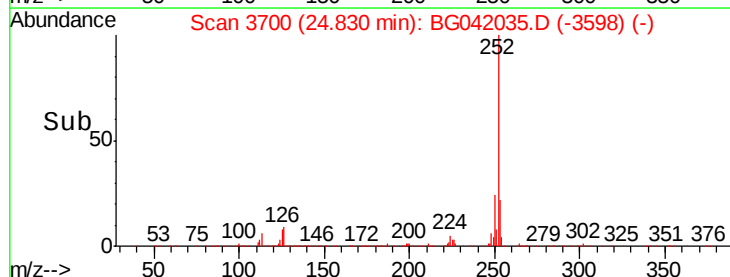
125 7.8 6.5 9.7

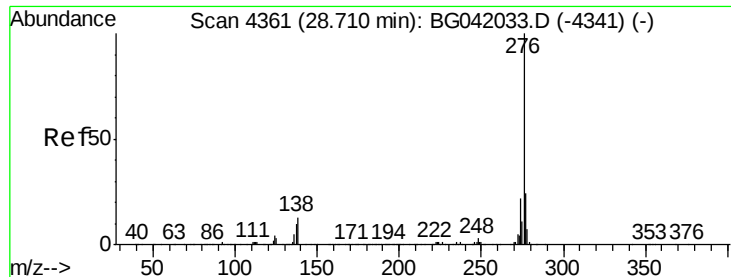


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.832 ng/ul

RT: 28.71 min Scan# 4360

Delta R.T. -0.00 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

Instrument :

BNA_G

ClientSampled :

BENR4

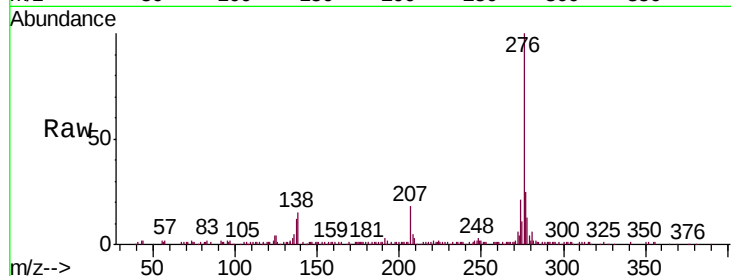
Tgt Ion:276 Resp: 180670

Ion Ratio Lower Upper

276 100

138 14.6 12.0 18.0

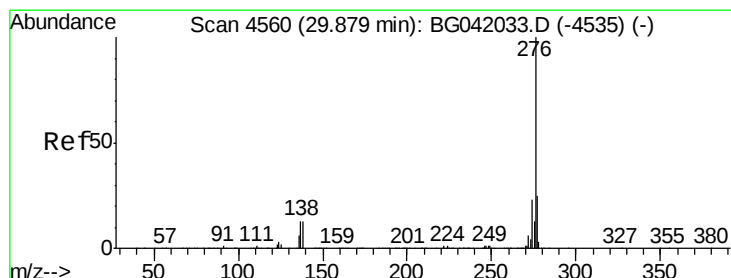
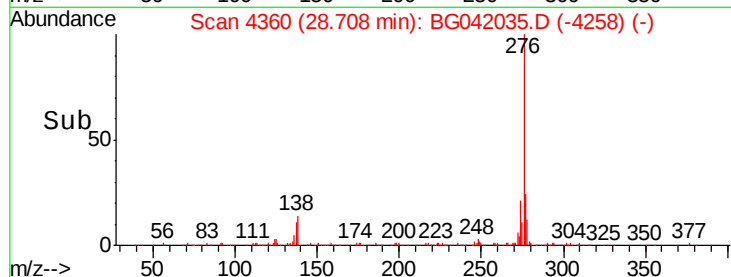
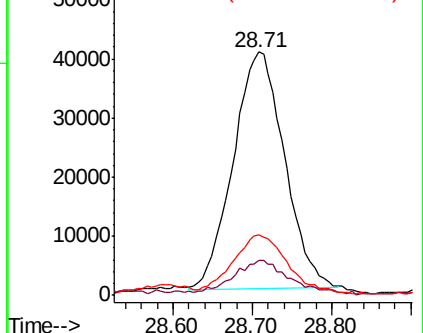
277 25.0 19.2 28.8



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



#93

Benzo(g,h,i)perylene

Concen: 5.976 ng/ul

RT: 29.87 min Scan# 4558

Delta R.T. -0.01 min

Lab File: BG042035.D

Acq: 7 Aug 2019 17:35

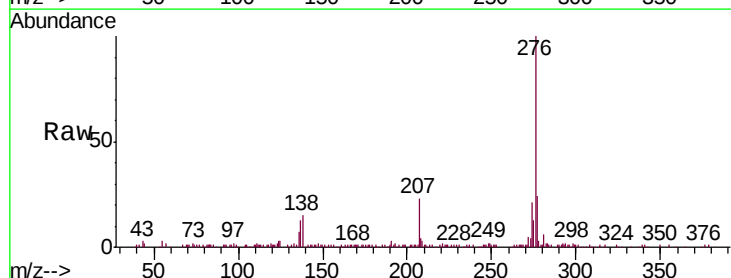
Tgt Ion:276 Resp: 186558

Ion Ratio Lower Upper

276 100

138 15.0 12.6 18.8

277 24.2 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

