

Data File : BG042037.D
Acq On : 7 Aug 2019 18:52
Operator : HP/JU
Sample : K4029-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENT9

Quant Time: Aug 08 01:40:41 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	77428	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	325715	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	231596	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	502237	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	486336	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	576641	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	6331	3.58	ng/uL	0.00
5) Phenol-d5	7.17	99	119623	19.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	78505	23.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	116174	22.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	73021	14.31	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	68141	27.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	83758	29.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	138221	24.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	129600	20.32	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	512873	28.55	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	564565	27.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	48649	16.13	ng/ul	0.00
57) Fluorene-d10	15.68	176	450527	28.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.79	200	67856	21.06	ng/ul	0.00
70) Anthracene-d10	17.54	188	689709	28.62	ng/ul	0.00
78) Pyrene-d10	19.82	212	766452	28.24	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	854662	28.37	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.20	94	13477	2.149	ng/ul	96
44) Dimethylphthalate	14.13	163	220322	12.354	ng/ul	99
69) Phenanthrene	17.48	178	91095	3.313	ng/ul	97
76) Fluoranthene	19.49	202	193233	6.083	ng/ul	97
79) Pyrene	19.85	202	219691	6.716	ng/ul	96
82) Benzo(a)anthracene	21.70	228	135744	4.026	ng/ul	97
84) Chrysene	21.77	228	136271	4.330	ng/ul	96
87) Benzo(b)fluoranthene	23.95	252	149627	4.135	ng/ul	98
88) Benzo(k)fluoranthene	24.01	252	52373	1.505	ng/ul	99
90) Benzo(a)pyrene	24.84	252	118026	3.423	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.71	276	67918	1.689	ng/ul	99
93) Benzo(g,h,i)perylene	29.87	276	53451	1.592	ng/ul	96

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

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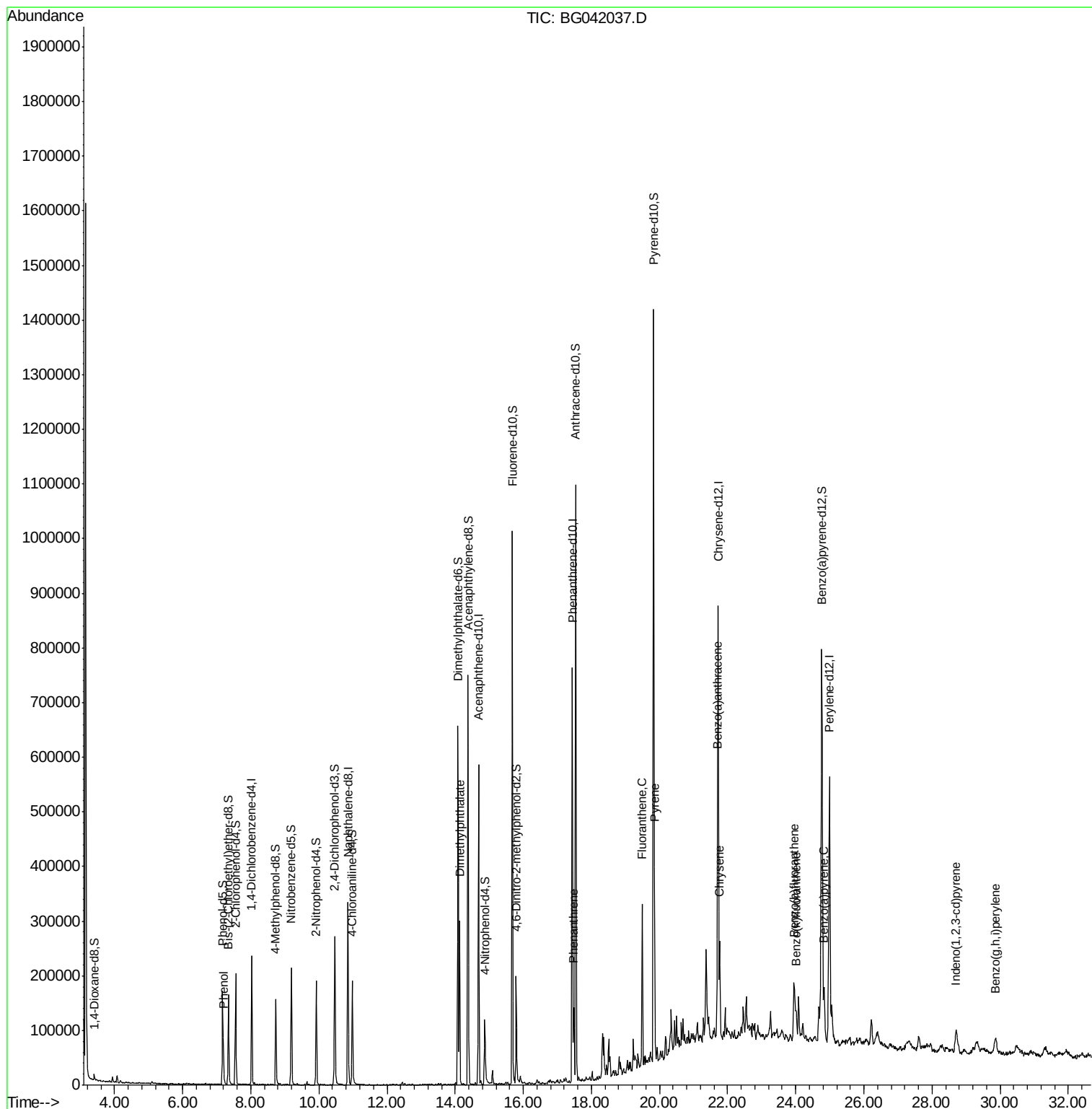
Quant Time: Aug 08 01:40:41 2019

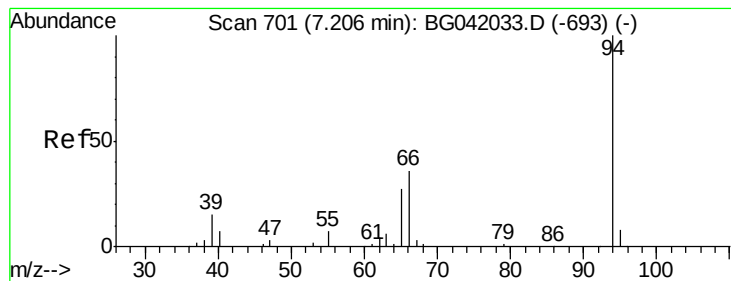
Quant Method : Z:\SV0ASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M

Quant Title : SVOA CALIBRATION

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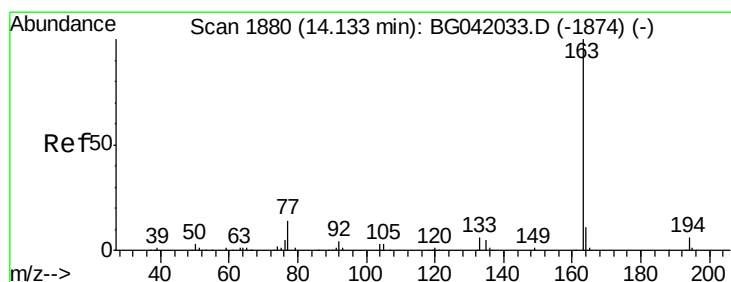
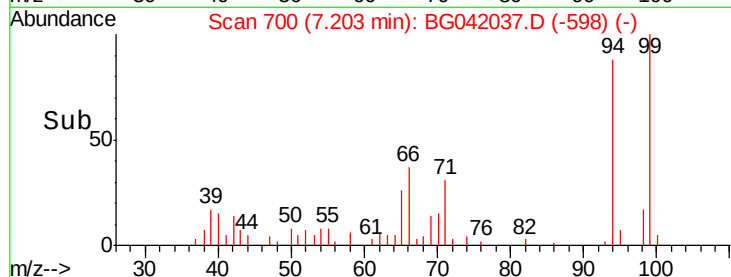
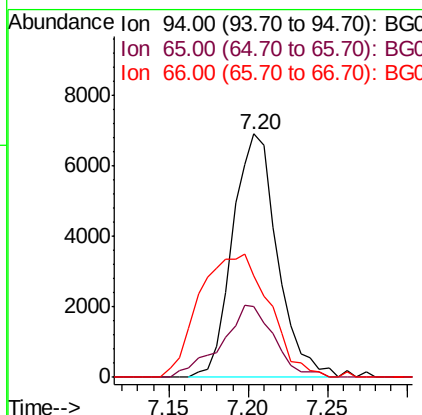
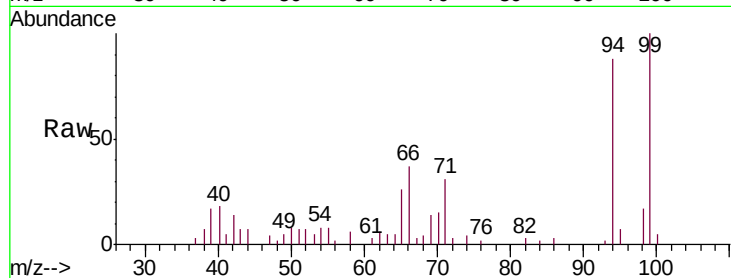
#6

Phenol

Concen: 2.149 ng/ul
 RT: 7.20 min Scan# 700
 Delta R.T. -0.00 min
 Lab File: BG042037.D
 Acq: 7 Aug 2019 18:52

Instrument :
 BNA_G
 ClientSampleId :
 BENT9

Tgt Ion: 94 Resp: 13477
 Ion Ratio Lower Upper
 94 100
 65 29.1 25.8 38.6
 66 41.9 31.8 47.8

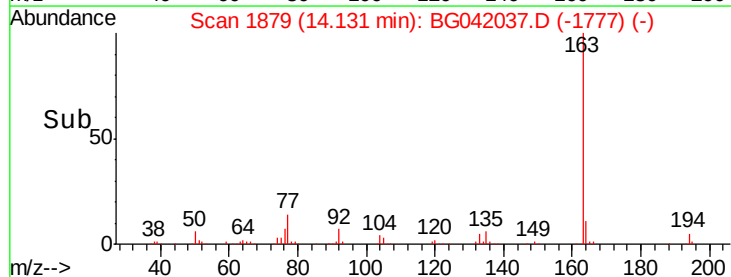
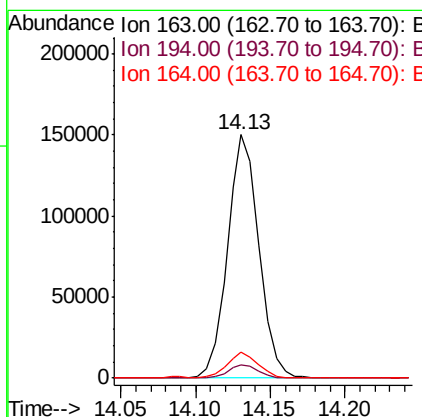
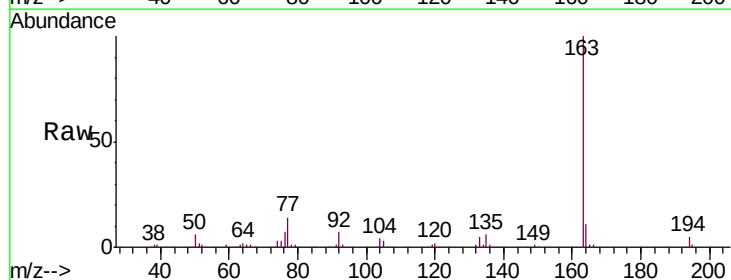


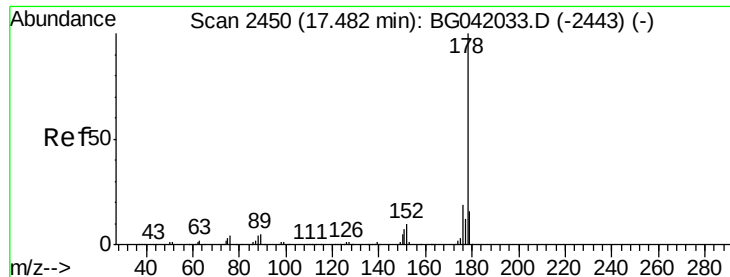
#44

Dimethylphthalate

Concen: 12.354 ng/ul
 RT: 14.13 min Scan# 1879
 Delta R.T. -0.00 min
 Lab File: BG042037.D
 Acq: 7 Aug 2019 18:52

Tgt Ion: 163 Resp: 220322
 Ion Ratio Lower Upper
 163 100
 194 5.3 4.2 6.2
 164 10.5 7.8 11.8





#69

Phenanthrene

Concen: 3.313 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

Instrument :

BNA_G

ClientSampleId :

BENT9

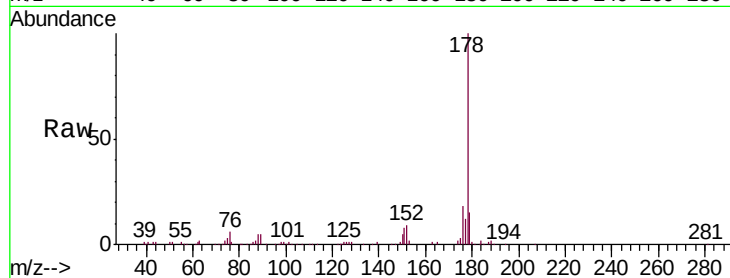
Tgt Ion:178 Resp: 91095

Ion Ratio Lower Upper

178 100

179 14.6 12.8 19.2

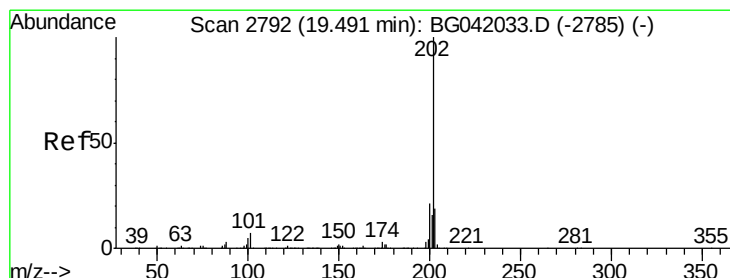
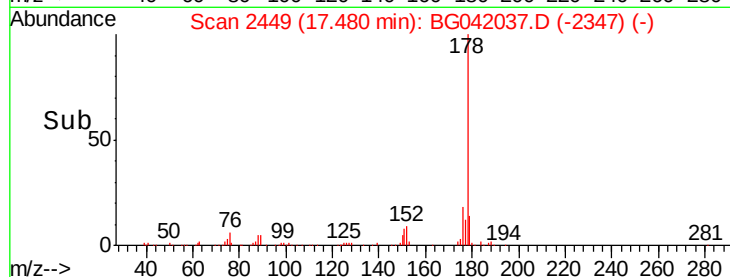
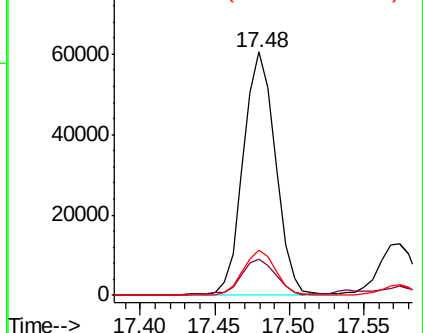
176 18.4 15.4 23.2



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



#76

Fluoranthene

Concen: 6.083 ng/ul

RT: 19.49 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

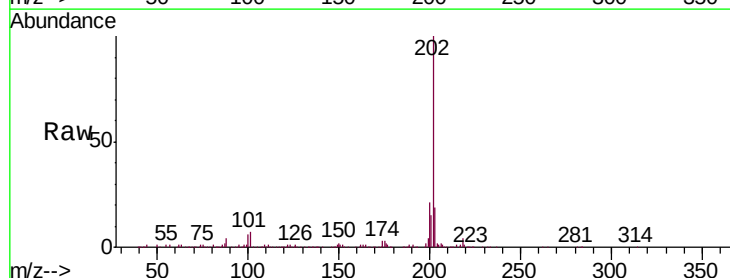
Tgt Ion:202 Resp: 193233

Ion Ratio Lower Upper

202 100

101 6.8 6.7 10.1

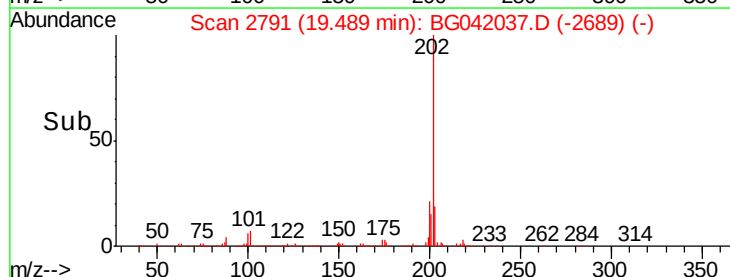
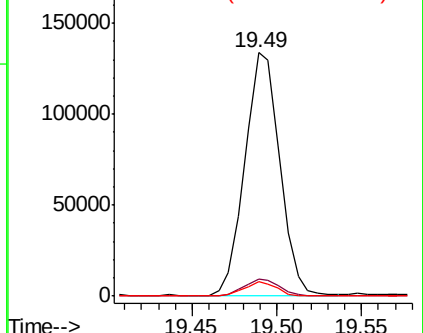
100 6.0 5.3 7.9

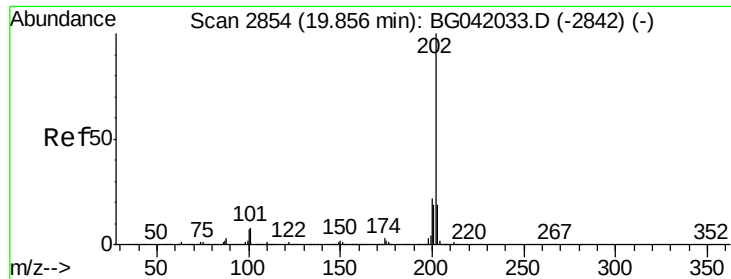


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 6.716 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

Instrument :

BNA_G

ClientSampleId :

BENT9

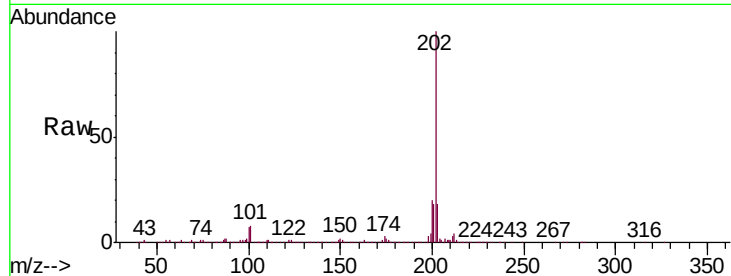
Tgt Ion:202 Resp: 219691

Ion Ratio Lower Upper

202 100

101 8.1 7.6 11.4

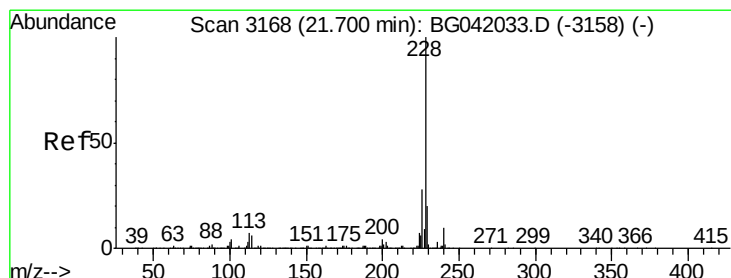
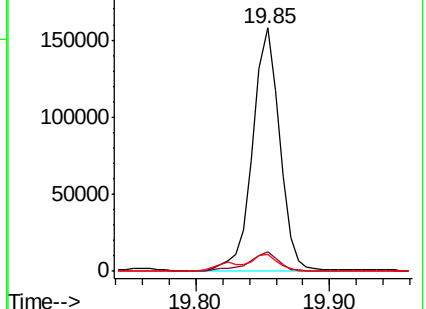
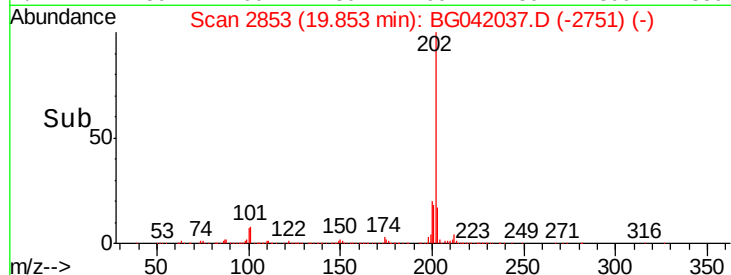
100 6.9 6.5 9.7



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): E



#82

Benzo(a)anthracene

Concen: 4.026 ng/ul

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

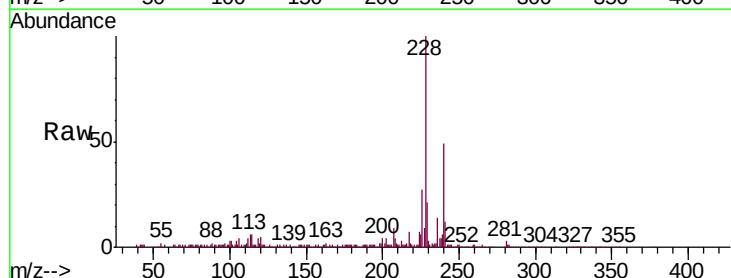
Tgt Ion:228 Resp: 135744

Ion Ratio Lower Upper

228 100

229 21.1 17.0 25.6

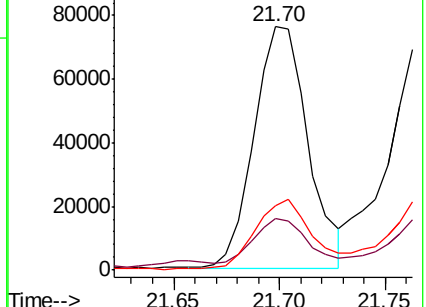
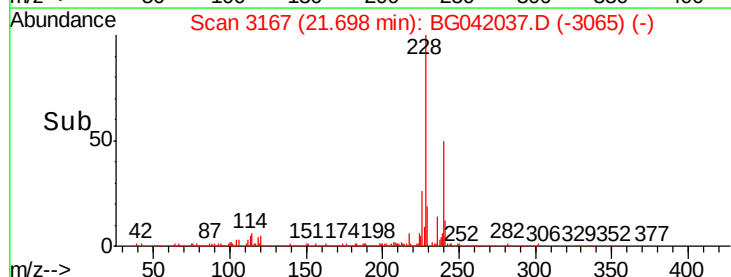
226 26.6 23.3 34.9

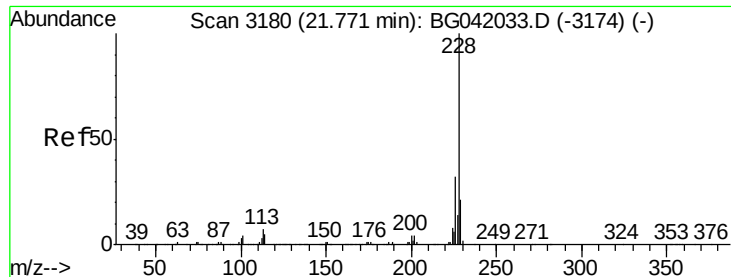


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 4.330 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

Instrument :

BNA_G

ClientSampleId :

BENT9

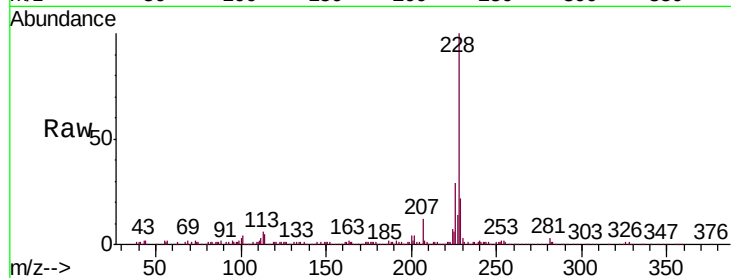
Tgt Ion:228 Resp: 136271

Ion Ratio Lower Upper

228 100

226 29.4 25.7 38.5

229 22.2 16.6 24.8

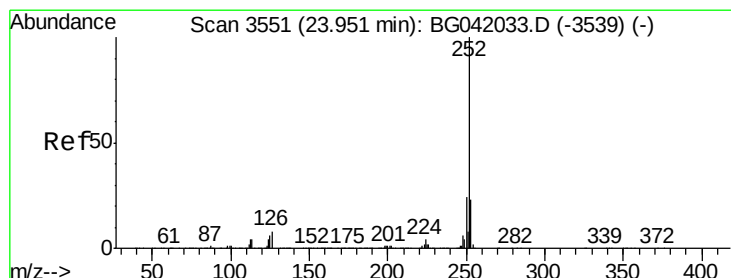
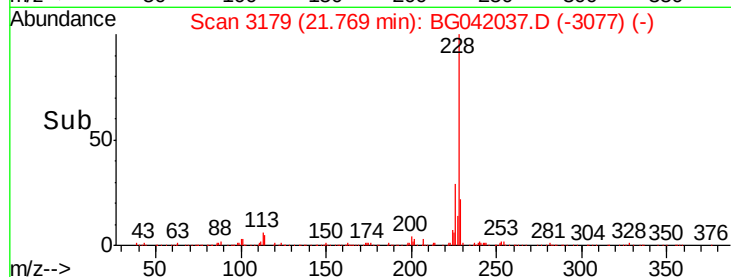
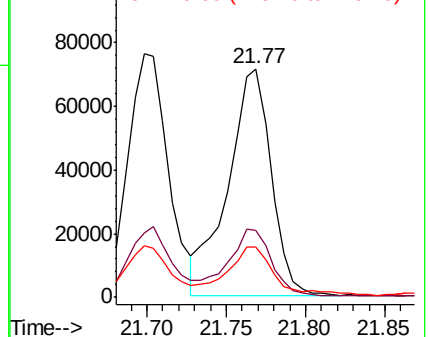


Abundance

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: 4.135 ng/ul

RT: 23.95 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

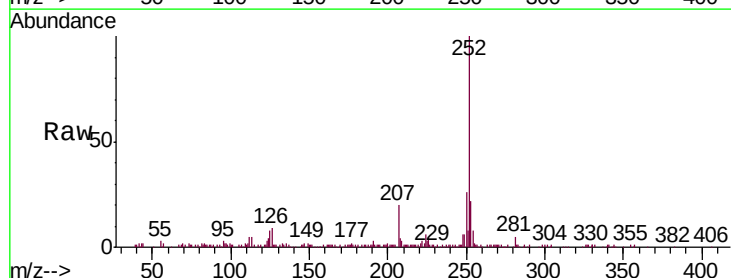
Tgt Ion:252 Resp: 149627

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

125 7.6 5.8 8.8

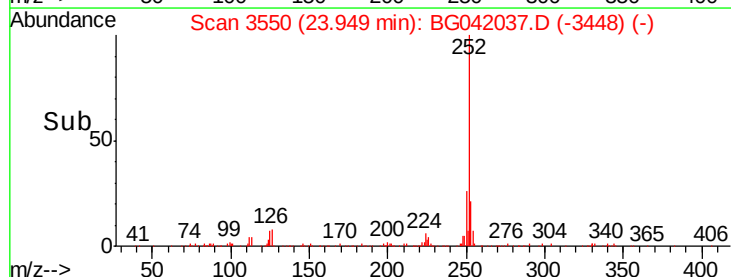
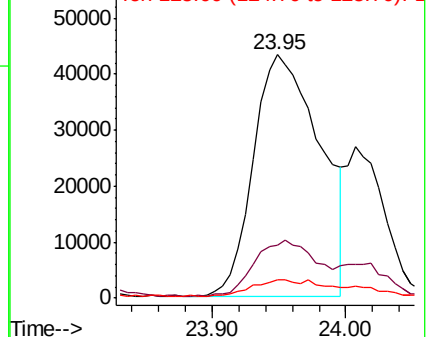


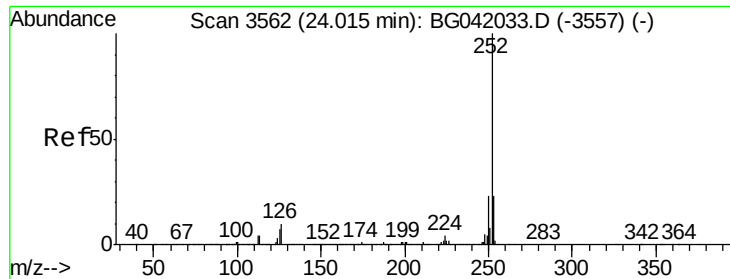
Abundance

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: 1.505 ng/ul

RT: 24.01 min Scan# 3560

Delta R.T. -0.01 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

Instrument :

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ClientSampleId :

BENT9

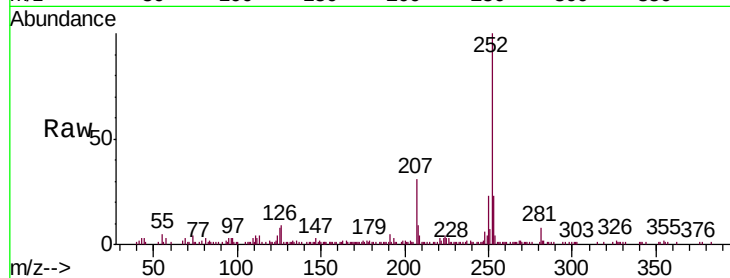
Tgt Ion:252 Resp: 52373

Ion Ratio Lower Upper

252 100

253 22.6 18.3 27.5

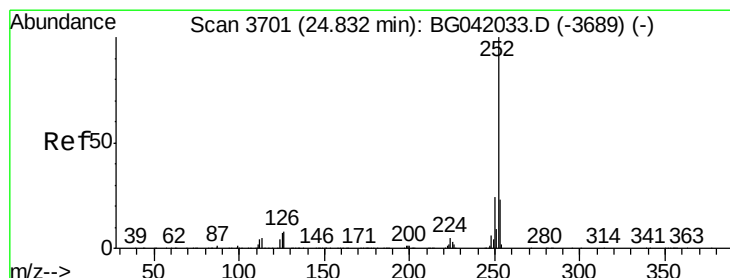
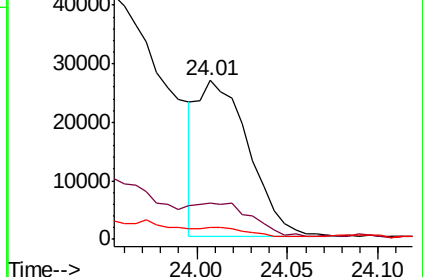
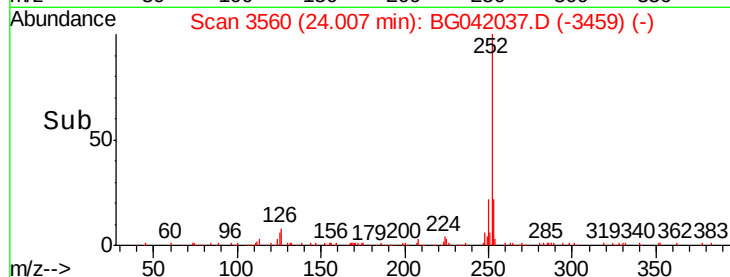
125 7.6 5.5 8.3



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: 3.423 ng/ul

RT: 24.84 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

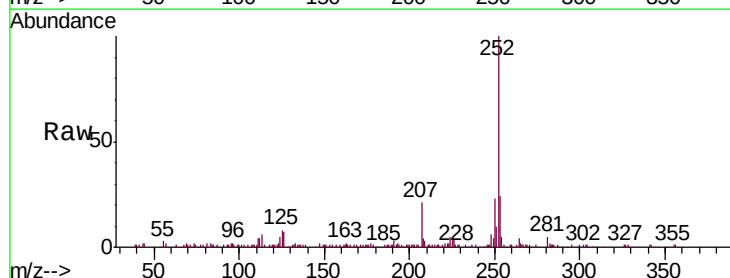
Tgt Ion:252 Resp: 118026

Ion Ratio Lower Upper

252 100

253 23.7 18.3 27.5

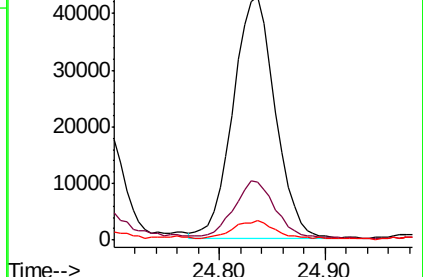
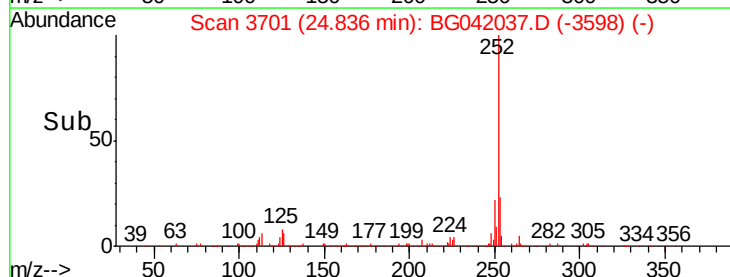
125 8.2 6.5 9.7

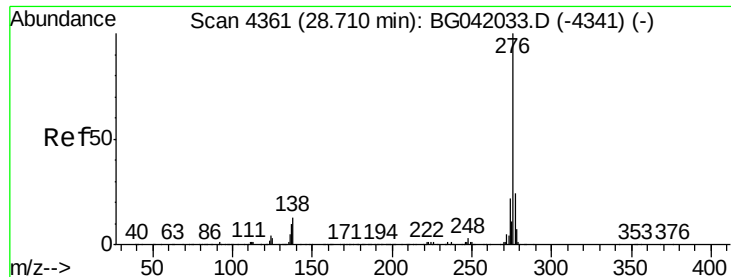


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.689 ng/ul

RT: 28.71 min Scan# 4360

Delta R.T. -0.00 min

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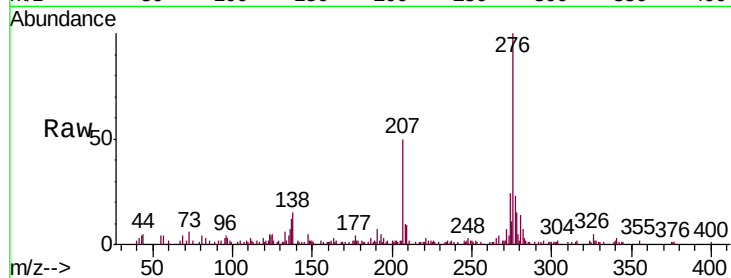
Tgt Ion:276 Resp: 67918

Ion Ratio Lower Upper

276 100

138 15.4 12.0 18.0

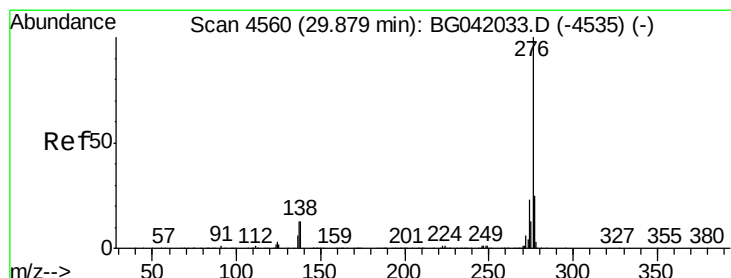
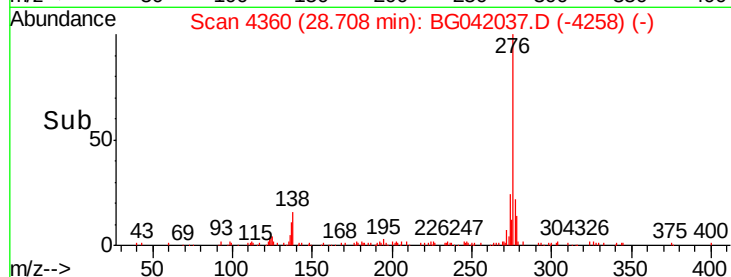
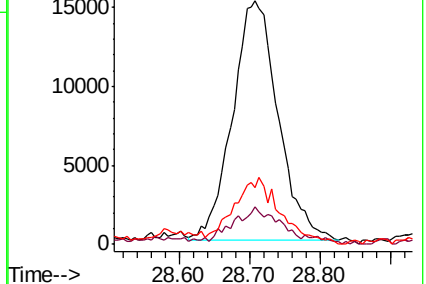
277 23.1 19.2 28.8



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: 1.592 ng/ul

RT: 29.87 min Scan# 4558

Delta R.T. -0.01 min

Lab File: BG042037.D

Acq: 7 Aug 2019 18:52

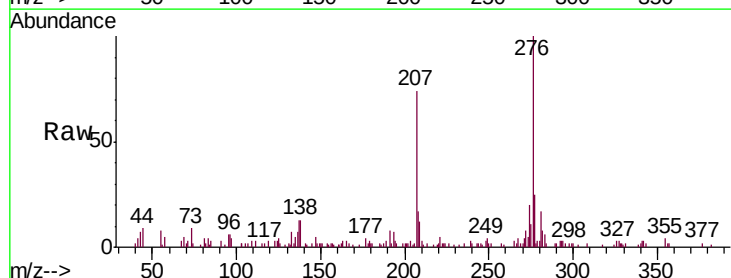
Tgt Ion:276 Resp: 53451

Ion Ratio Lower Upper

276 100

138 12.7 12.6 18.8

277 24.7 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

