

Data File : BG042044.D
Acq On : 7 Aug 2019 23:21
Operator : HP/JU
Sample : K4029-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENX5

Quant Time: Aug 08 01:42:08 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	69967	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	286743	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	205636	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	444255	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	440670	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	518346	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	8057	5.04	ng/uL	0.00
5) Phenol-d5	7.17	99	164147	29.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	94506	30.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	155860	33.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	120076	26.05	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	80559	37.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	99750	39.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	181843	35.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	184094	32.79	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	583785	36.60	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	667829	36.66	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	58537	21.86	ng/ul	0.00
57) Fluorene-d10	15.68	176	512683	36.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.79	200	74756	26.23	ng/ul	0.00
70) Anthracene-d10	17.54	188	797207	37.40	ng/ul	0.00
78) Pyrene-d10	19.82	212	891896	36.27	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	1023371	37.79	ng/ul	0.00

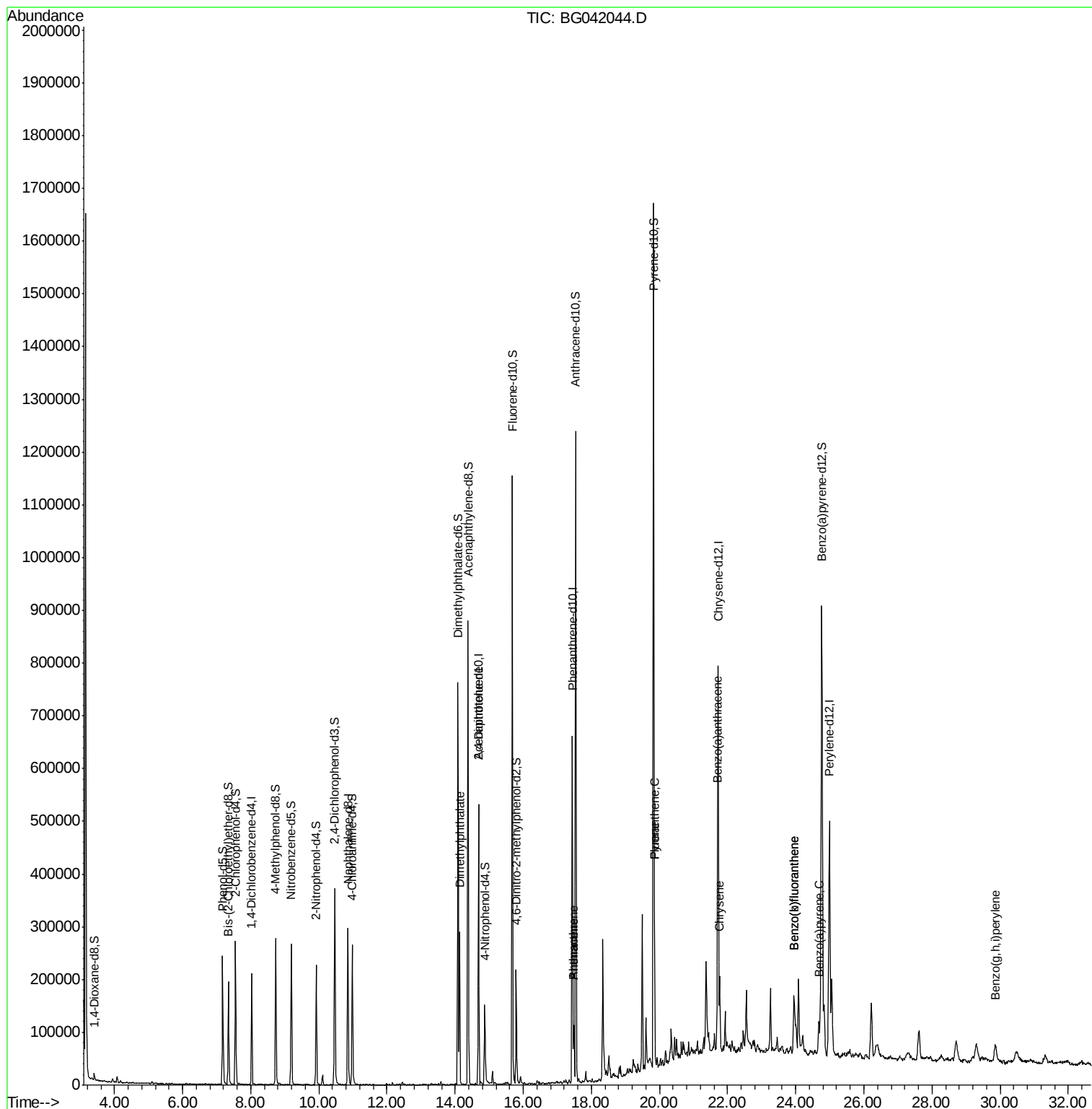
Target Compounds				Qvalue		
44) Dimethylphthalate	14.13	163	214625	13.554	ng/ul	98
54) 2,4-Dinitrotoluene	14.69	165	26174	5.226	ng/ul#	44
69) Phenanthrene	17.48	178	75077	3.087	ng/ul	97
71) Anthracene	17.48	178	75077	3.044	ng/ul	97
76) Fluoranthene	19.85	202	176174	6.269	ng/ul	99
79) Pyrene	19.85	202	176174	5.943	ng/ul	96
82) Benzo(a)anthracene	21.70	228	107878	3.531	ng/ul	99
84) Chrysene	21.76	228	112725	3.953	ng/ul	96
87) Benzo(b)fluoranthene	23.95	252	144976	4.457	ng/ul	99
88) Benzo(k)fluoranthene	23.95	252	144976	4.635	ng/ul	99
90) Benzo(a)pyrene	24.68	252	72057	2.325	ng/ul	98
93) Benzo(g,h,i)perylene	29.85	276	34562	1.145	ng/ul	97

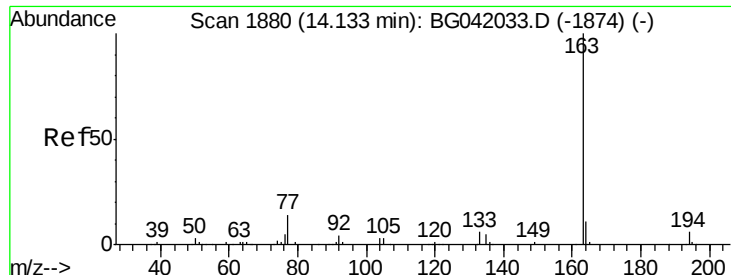
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 13.554 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042044.D

Acq: 7 Aug 2019 23:21

Instrument :

BNA_G

ClientSampleId :

BENX5

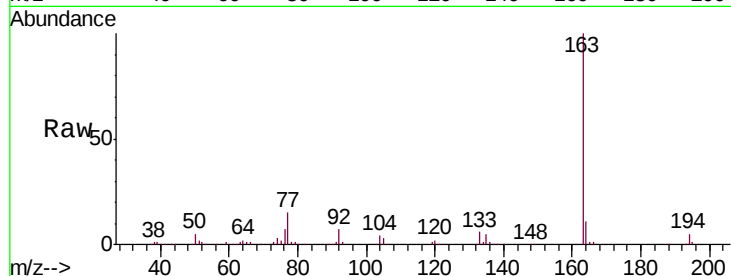
Tgt Ion:163 Resp: 214625

Ion Ratio Lower Upper

163 100

194 5.4 4.2 6.2

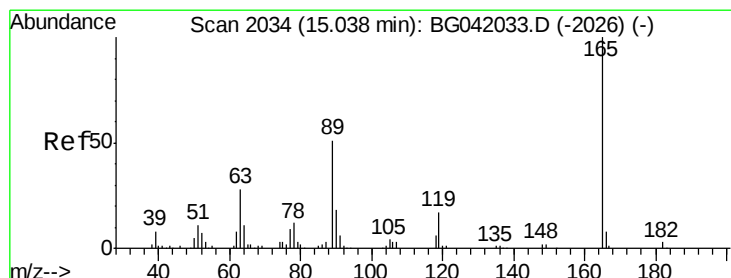
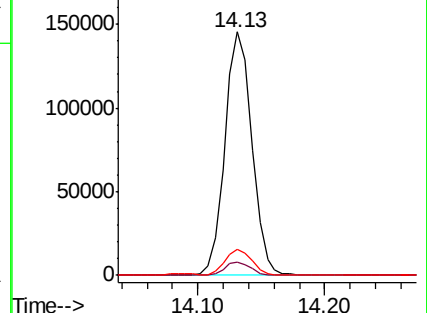
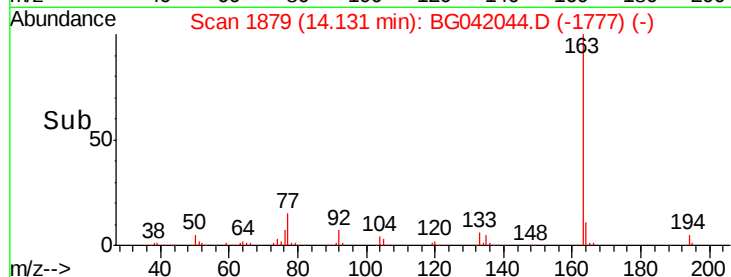
164 10.8 7.8 11.8



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



#54

2,4-Dinitrotoluene

Concen: 5.226 ng/ul

RT: 14.69 min Scan# 1974

Delta R.T. -0.35 min

Lab File: BG042044.D

Acq: 7 Aug 2019 23:21

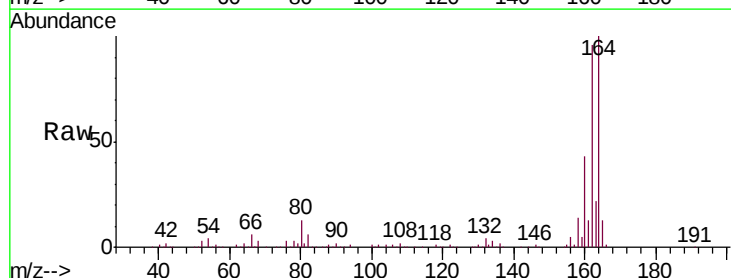
Tgt Ion:165 Resp: 26174

Ion Ratio Lower Upper

165 100

63 1.0 29.4 44.2#

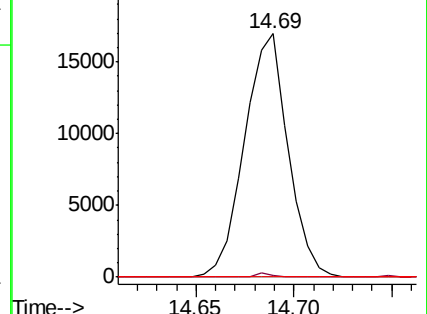
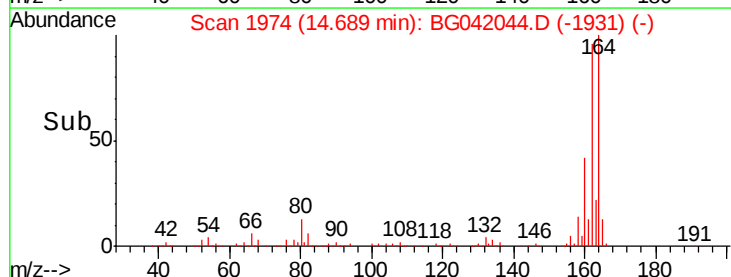
182 0.0 2.6 4.0#

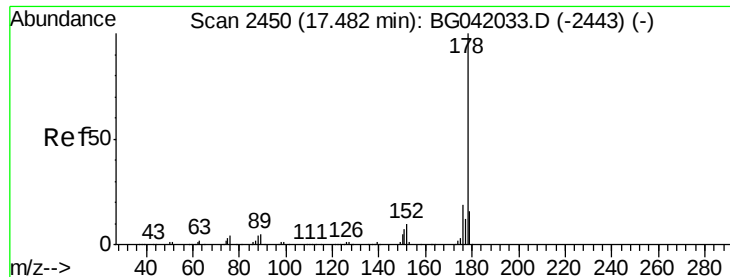


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E





#69

Phenanthrene

Concen: 3.087 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

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Instrument :

BNA_G

ClientSampleId :

BENX5

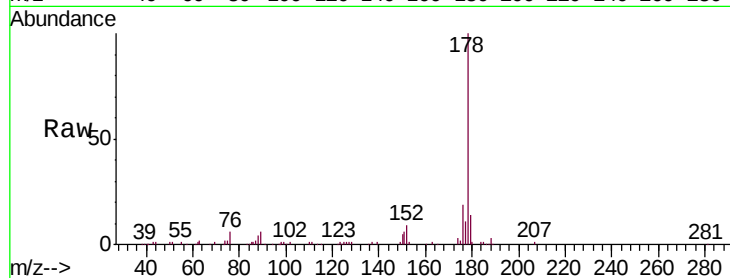
Tgt Ion:178 Resp: 75077

Ion Ratio Lower Upper

178 100

179 14.2 12.8 19.2

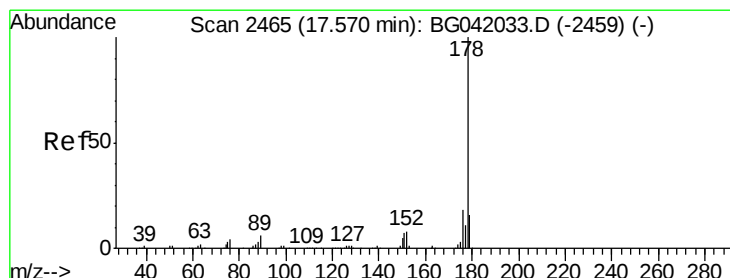
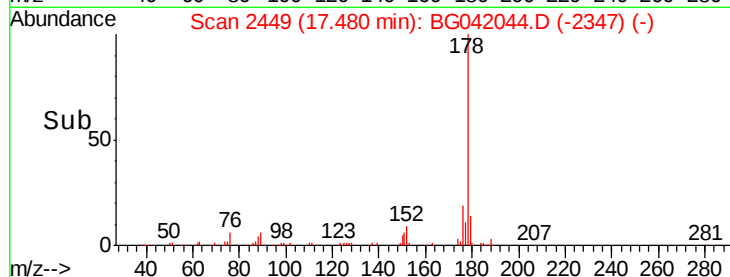
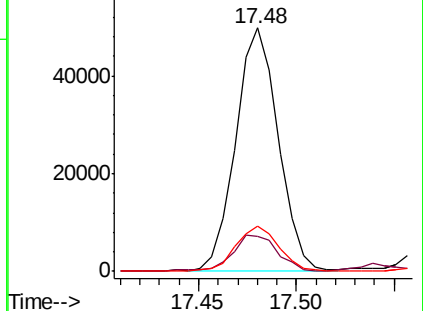
176 18.6 15.4 23.2



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: 3.044 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.09 min

Lab File: BG042044.D

Acq: 7 Aug 2019 23:21

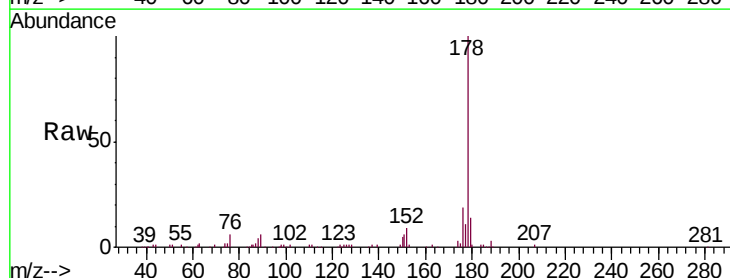
Tgt Ion:178 Resp: 75077

Ion Ratio Lower Upper

178 100

179 14.2 13.4 20.0

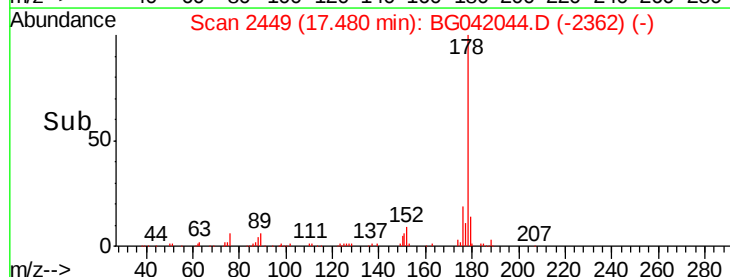
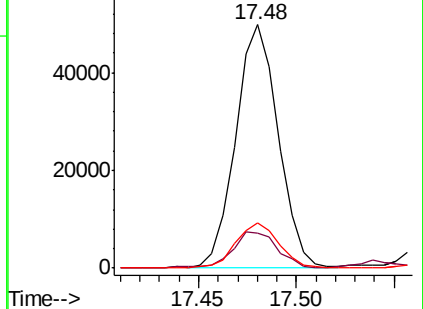
176 18.6 15.4 23.2

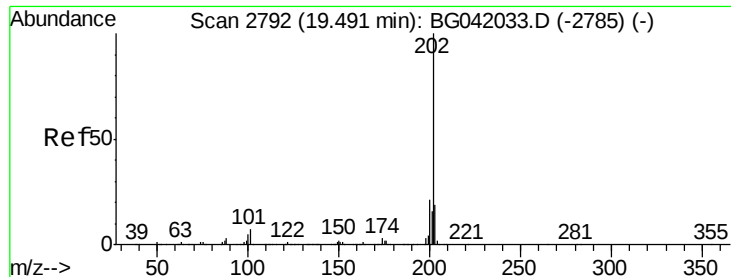


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

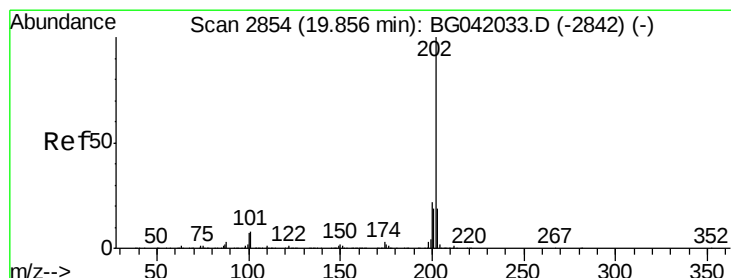
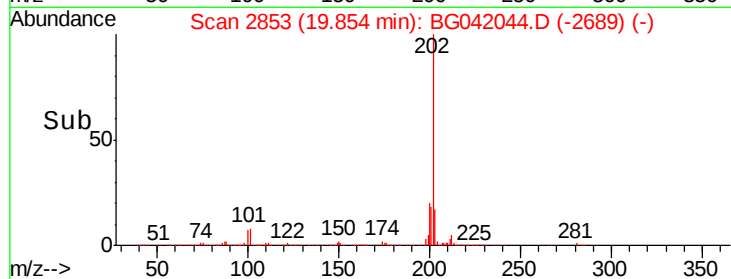
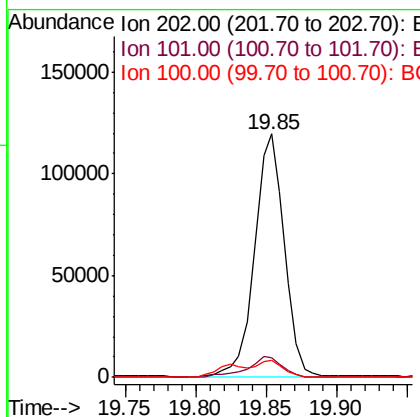
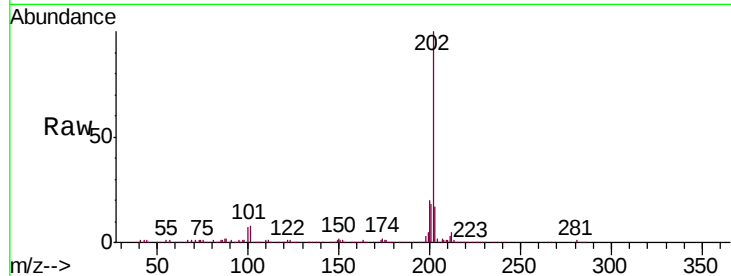




#76
Fluoranthene
Concen: 6.269 ng/ul
RT: 19.85 min Scan# 2853
Delta R.T. 0.36 min
Lab File: BG042044.D
Acq: 7 Aug 2019 23:21

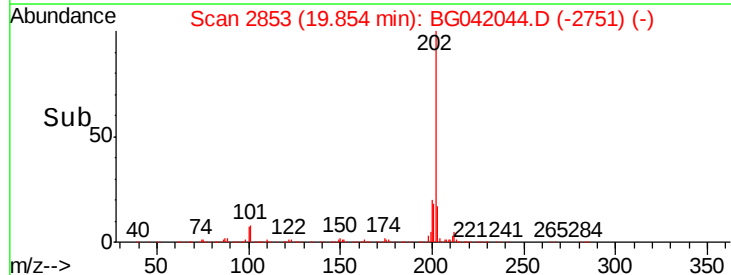
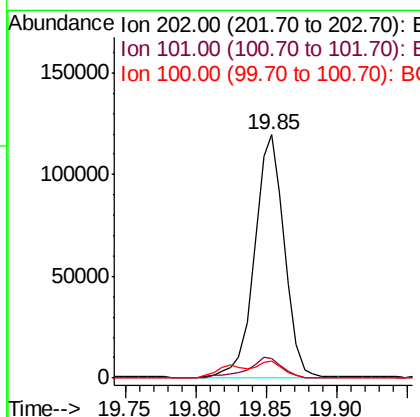
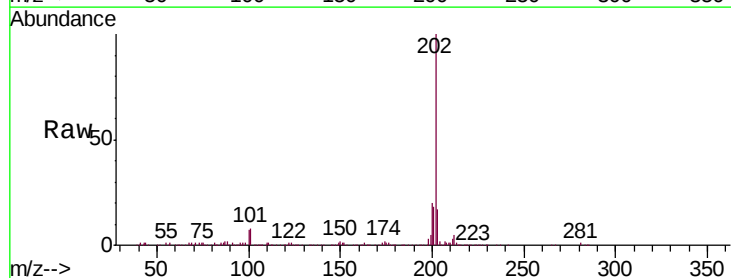
Instrument :
BNA_G
ClientSampleId :
BENX5

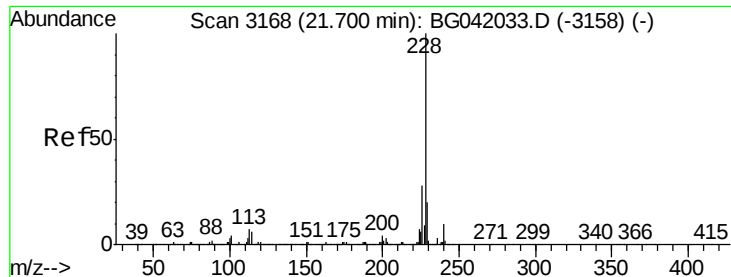
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.7	10.1
100	6.9	5.3	7.9



#79
Pyrene
Concen: 5.943 ng/ul
RT: 19.85 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BG042044.D
Acq: 7 Aug 2019 23:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	7.6	11.4
100	6.9	6.5	9.7





#82

Benzo(a)anthracene

Concen: 3.531 ng/ul

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG042044.D

Acq: 7 Aug 2019 23:21

Instrument :

BNA_G

ClientSampleId :

BENX5

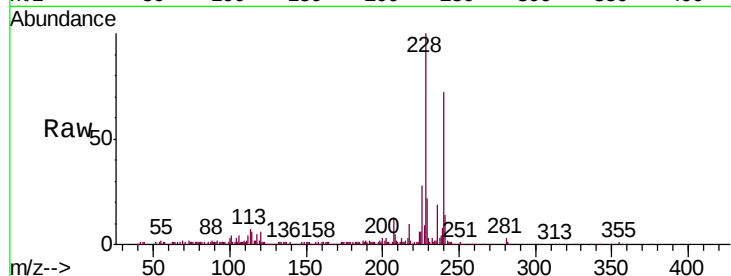
Tgt Ion:228 Resp: 107878

Ion Ratio Lower Upper

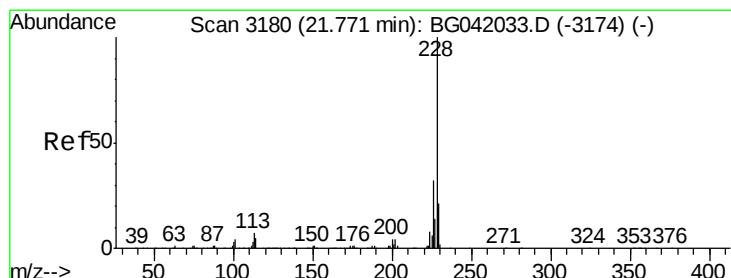
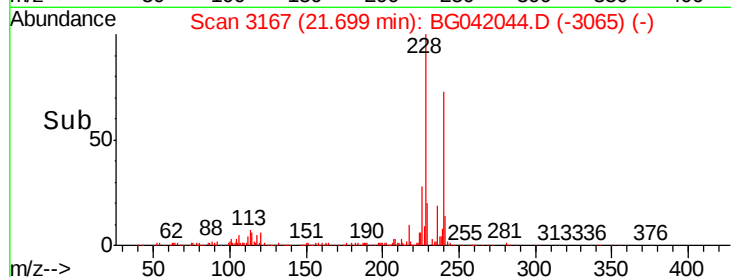
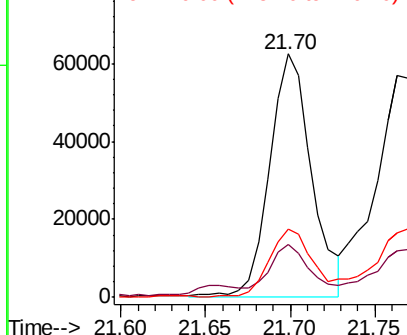
228 100

229 21.8 17.0 25.6

226 28.3 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: 3.953 ng/ul

RT: 21.76 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BG042044.D

Acq: 7 Aug 2019 23:21

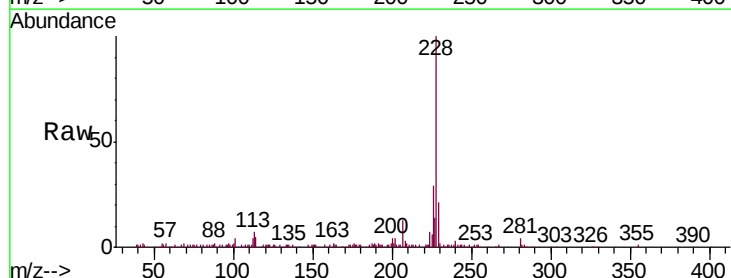
Tgt Ion:228 Resp: 112725

Ion Ratio Lower Upper

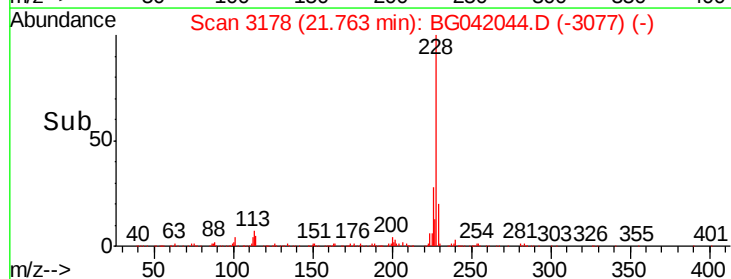
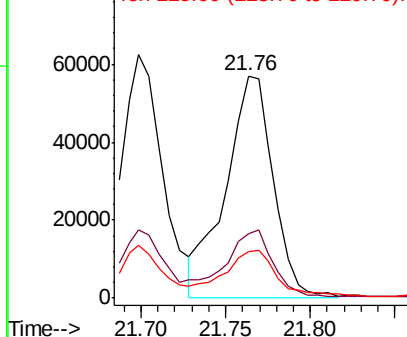
228 100

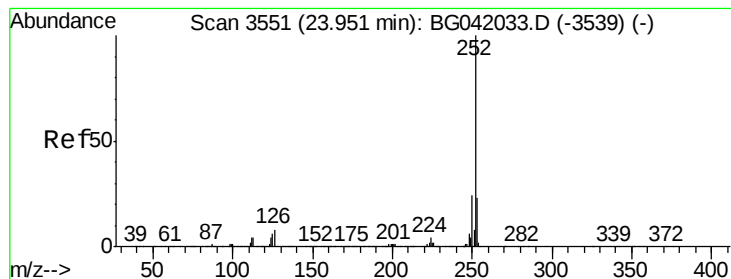
226 28.8 25.7 38.5

229 21.0 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: 4.457 ng/ul

RT: 23.95 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BG042044.D

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BENX5

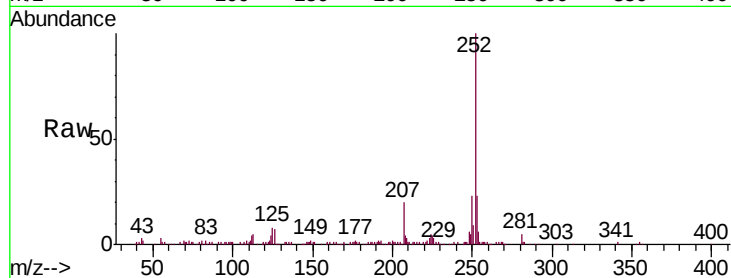
Tgt Ion:252 Resp: 144976

Ion Ratio Lower Upper

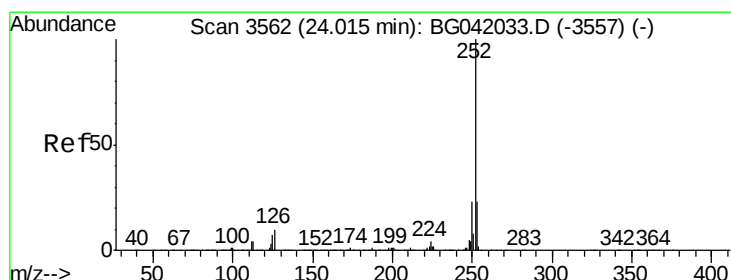
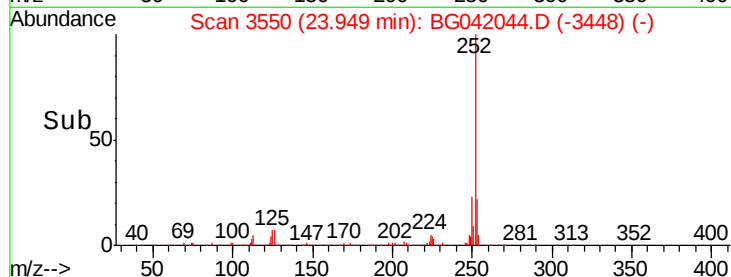
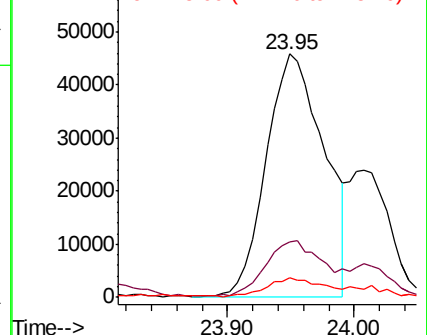
252 100

253 22.6 18.4 27.6

125 7.9 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: 4.635 ng/ul

RT: 23.95 min Scan# 3550

Delta R.T. -0.07 min

Lab File: BG042044.D

Acq: 7 Aug 2019 23:21

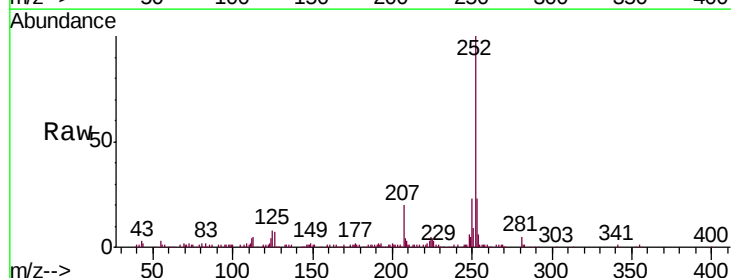
Tgt Ion:252 Resp: 144976

Ion Ratio Lower Upper

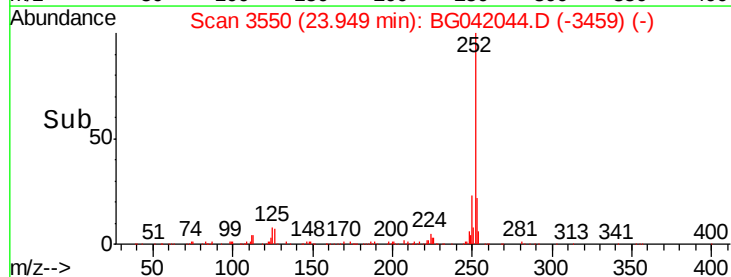
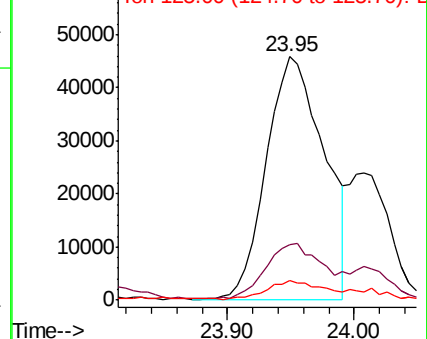
252 100

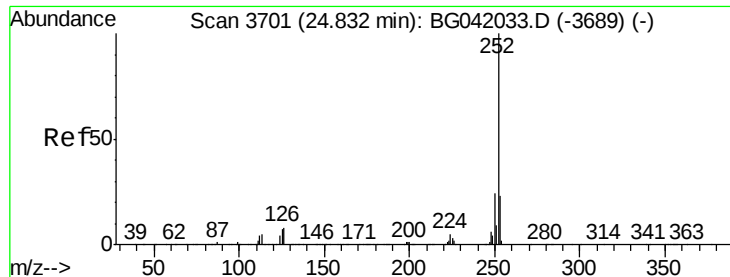
253 22.6 18.3 27.5

125 7.9 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: 2.325 ng/ul

RT: 24.68 min Scan# 3675

Delta R.T. -0.15 min

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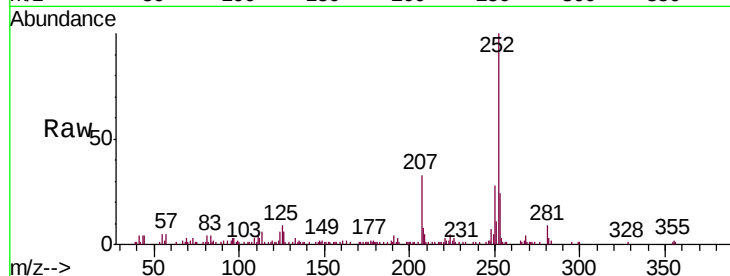
Tgt Ion:252 Resp: 72057

Ion Ratio Lower Upper

252 100

253 24.0 18.3 27.5

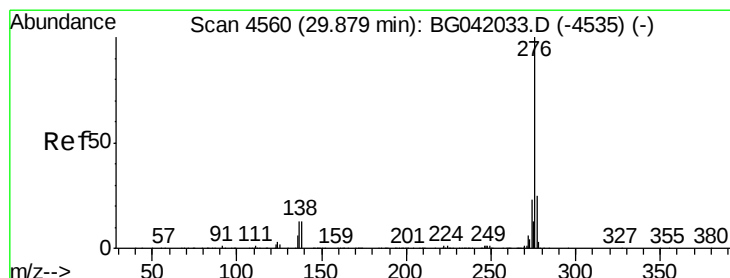
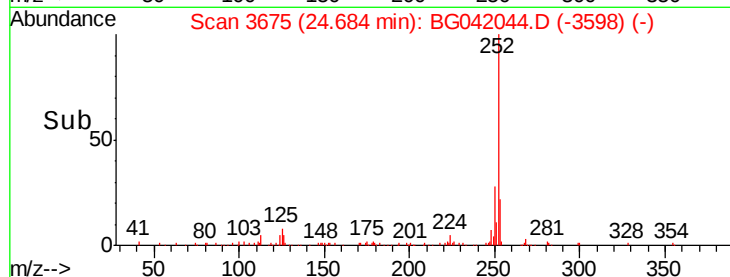
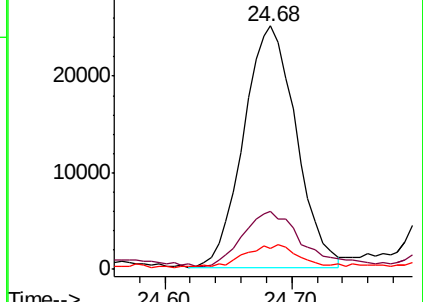
125 8.6 6.5 9.7



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



#93

Benzo(g,h,i)perylene

Concen: 1.145 ng/ul

RT: 29.85 min Scan# 4555

Delta R.T. -0.03 min

Lab File: BG042044.D

Acq: 7 Aug 2019 23:21

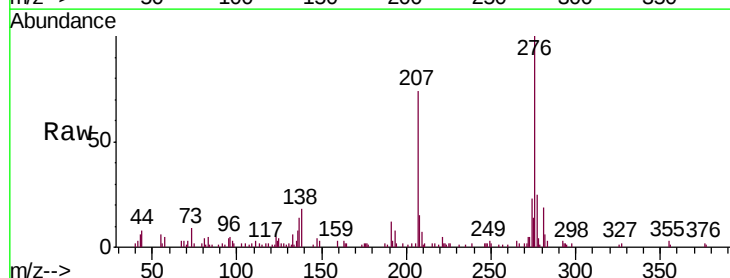
Tgt Ion:276 Resp: 34562

Ion Ratio Lower Upper

276 100

138 18.1 12.6 18.8

277 24.9 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

