

Data File : BG042041.D
Acq On : 7 Aug 2019 21:26
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENY4

Quant Time: Aug 08 01:41:32 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	82230	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	341530	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	242085	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	508391	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	494465	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	580695	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5903	3.14	ng/uL	0.00
5) Phenol-d5	7.18	99	124574	19.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	70571	19.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	120356	21.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	91966	16.97	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	60984	23.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	76132	25.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	136264	22.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	100937	15.09	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	435757	23.21	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	495720	23.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.87	143	41321	13.11	ng/ul	0.00
57) Fluorene-d10	15.68	176	388684	23.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	52141	15.99	ng/ul	0.00
70) Anthracene-d10	17.54	188	589701	24.18	ng/ul	0.00
78) Pyrene-d10	19.83	212	636691	23.07	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	706698	23.30	ng/ul	0.00

Target Compounds

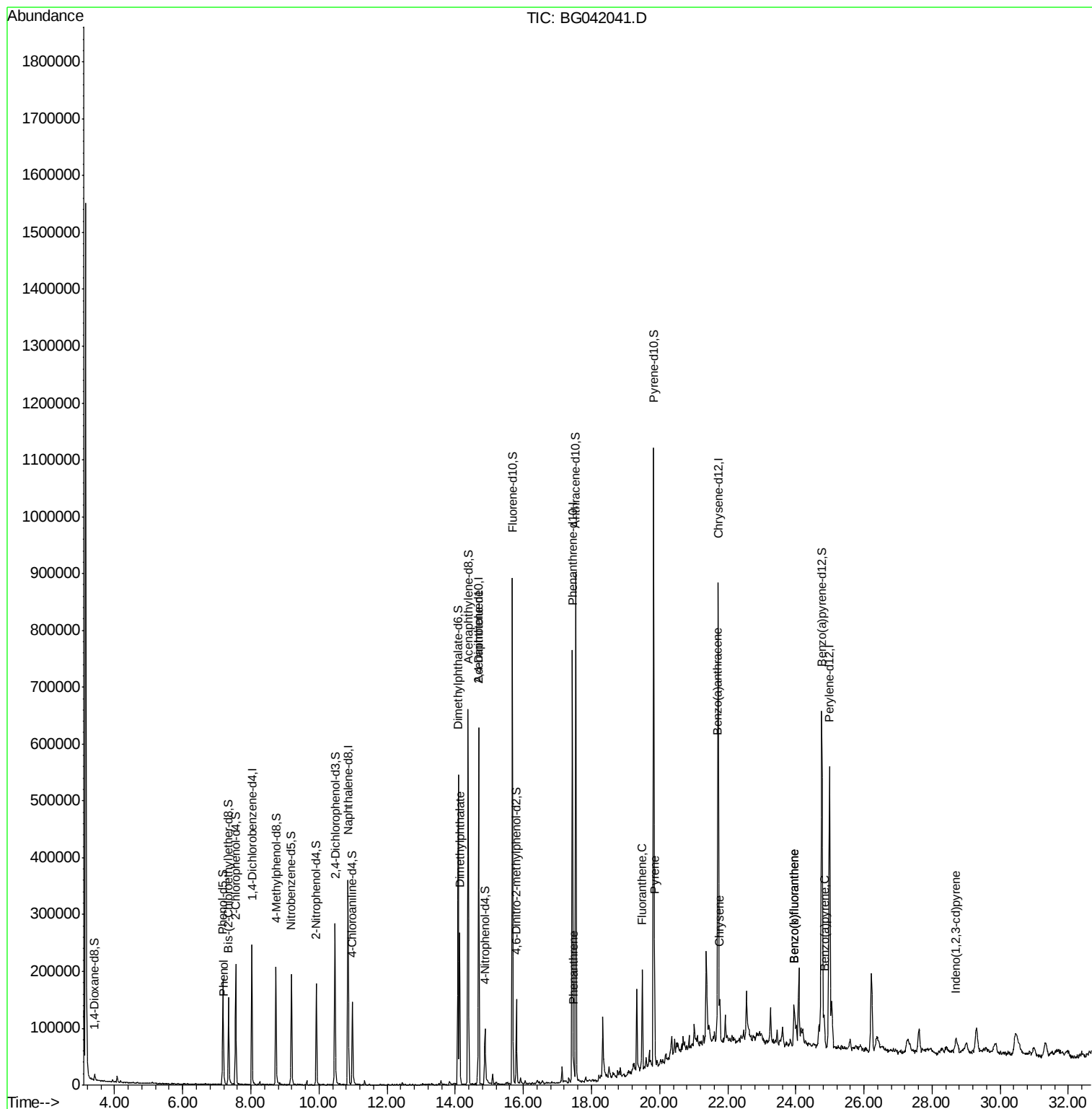
					Qvalue	
6) Phenol	7.20	94	13257	1.990	ng/ul	92
44) Dimethylphthalate	14.13	163	206334	11.068	ng/ul	98
54) 2,4-Dinitrotoluene	14.69	165	31866	5.405	ng/ul#	42
69) Phenanthrene	17.48	178	38334	1.377	ng/ul	96
76) Fluoranthene	19.49	202	115180	3.582	ng/ul	98
79) Pyrene	19.85	202	100933	3.035	ng/ul	97
82) Benzo(a)anthracene	21.70	228	55842	1.629	ng/ul	96
84) Chrysene	21.77	228	68358	2.136	ng/ul	96
87) Benzo(b)fluoranthene	23.96	252	101223	2.778	ng/ul	99
88) Benzo(k)fluoranthene	23.96	252	101223	2.889	ng/ul#	98
90) Benzo(a)pyrene	24.83	252	62886	1.811	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	28.71	276	50245	1.241	ng/ul	97

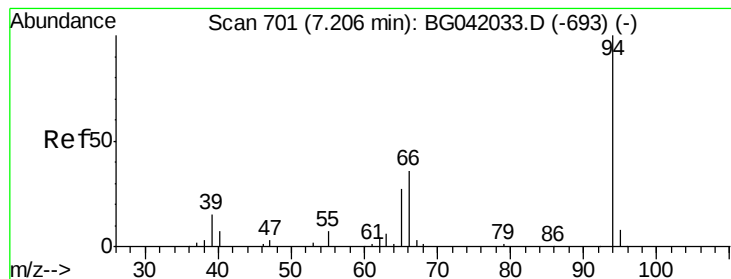
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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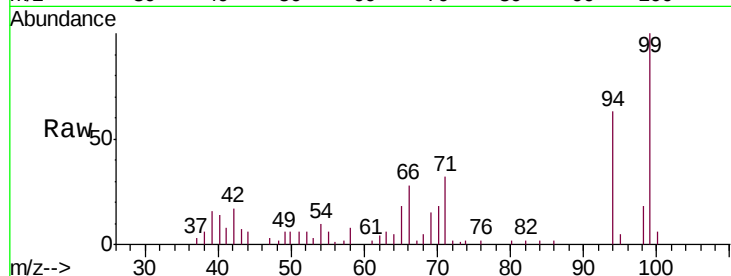
#6

Phenol

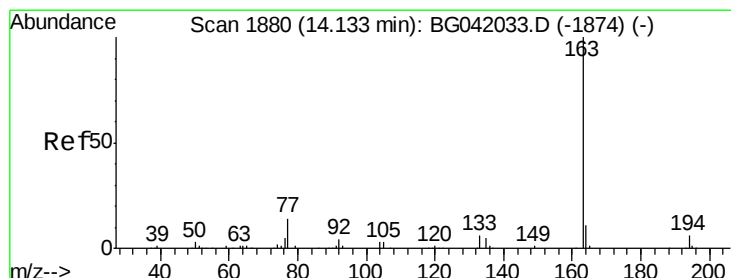
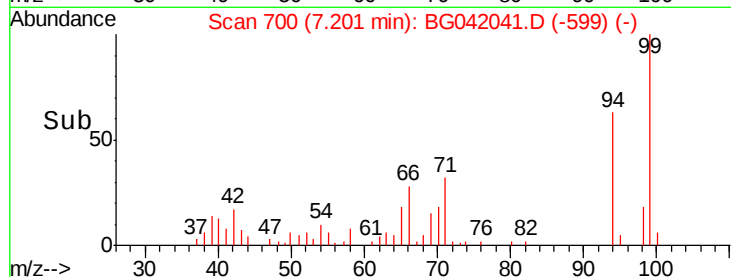
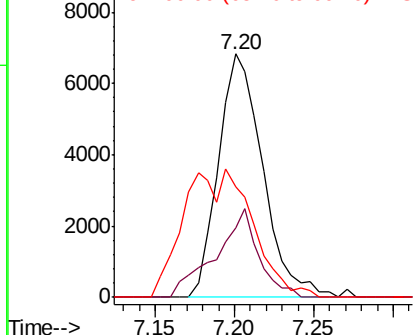
Concen: 1.990 ng/ul
 RT: 7.20 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: BG042041.D
 Acq: 7 Aug 2019 21:26

Instrument :
 BNA_G
 ClientSampleId :
 BENY4

Tgt Ion: 94 Resp: 13257
 Ion Ratio Lower Upper
 94 100
 65 28.4 25.8 38.6
 66 45.2 31.8 47.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC
 Ion 66.00 (65.70 to 66.70): BGC

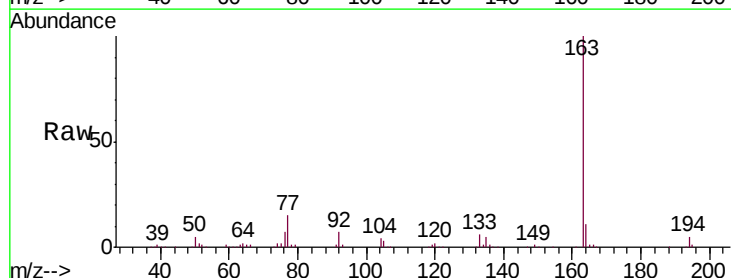


#44

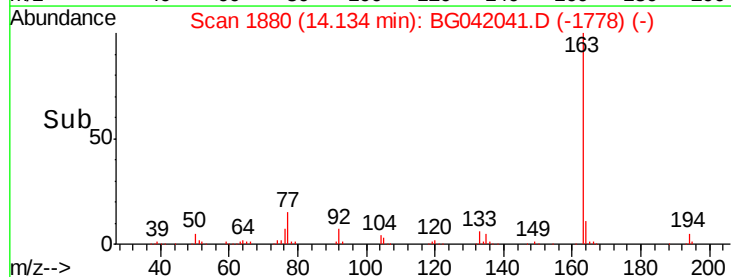
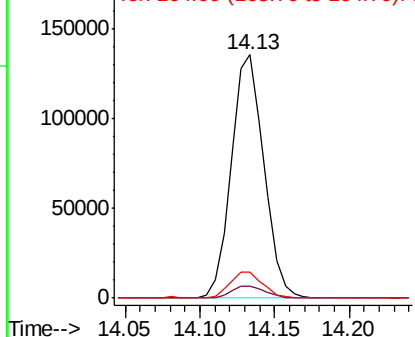
Dimethylphthalate

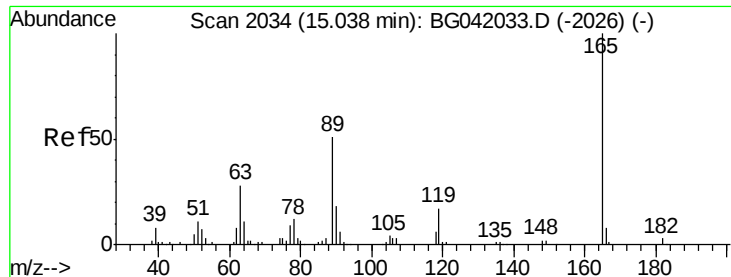
Concen: 11.068 ng/ul
 RT: 14.13 min Scan# 1880
 Delta R.T. 0.00 min
 Lab File: BG042041.D
 Acq: 7 Aug 2019 21:26

Tgt Ion: 163 Resp: 206334
 Ion Ratio Lower Upper
 163 100
 194 5.1 4.2 6.2
 164 10.7 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

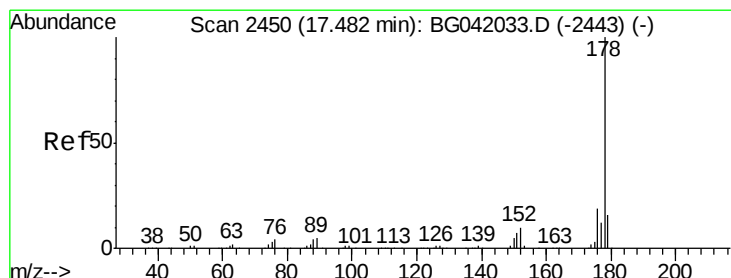
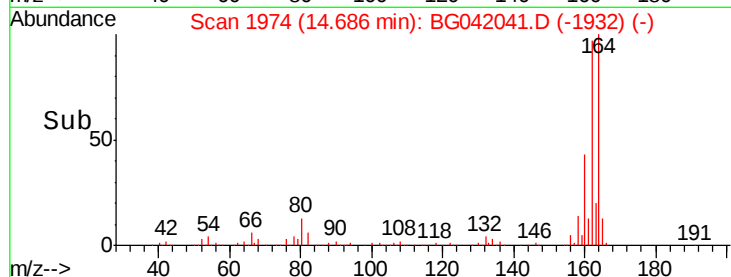
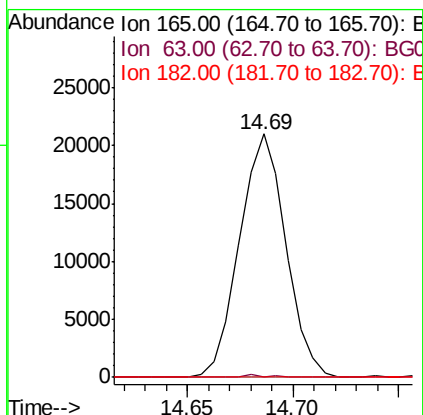
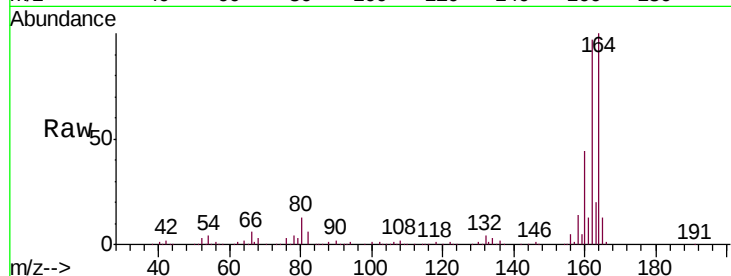




#54
 2,4-Dinitrotoluene
 Concen: 5.405 ng/ul
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.35 min
 Lab File: BG042041.D
 Acq: 7 Aug 2019 21:26

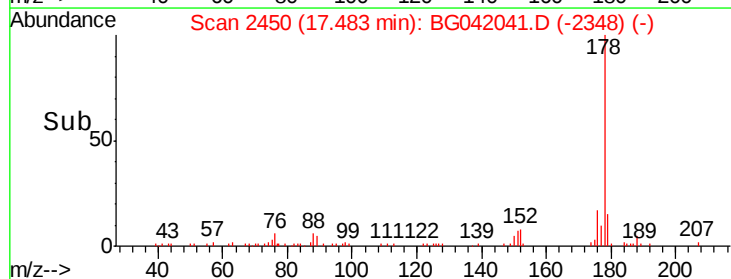
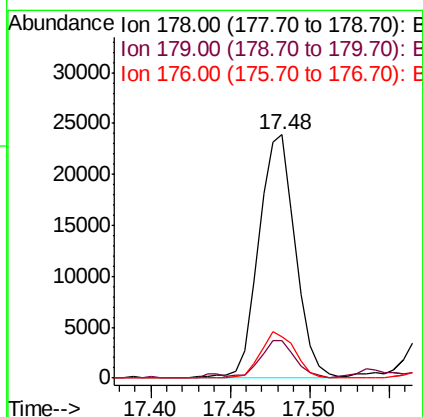
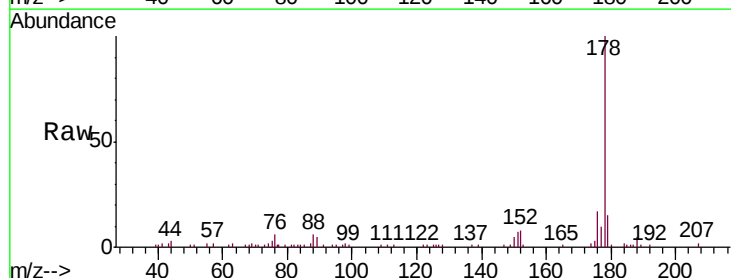
Instrument :
 BNA_G
 ClientSampled :
 BENY4

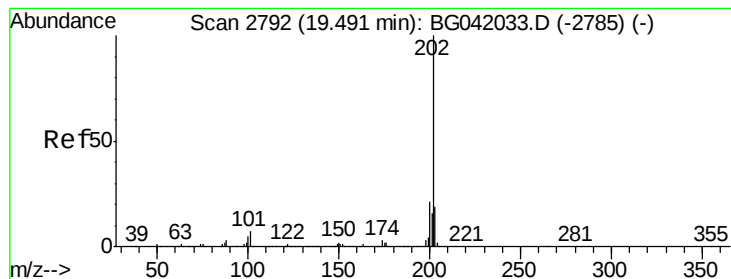
Tgt Ion:165 Resp: 31866
 Ion Ratio Lower Upper
 165 100
 63 0.0 29.4 44.2#
 182 0.0 2.6 4.0#



#69
 Phenanthrene
 Concen: 1.377 ng/ul
 RT: 17.48 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BG042041.D
 Acq: 7 Aug 2019 21:26

Tgt Ion:178 Resp: 38334
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.8 19.2
 176 17.1 15.4 23.2





#76

Fluoranthene

Concen: 3.582 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042041.D

Acq: 7 Aug 2019 21:26

Instrument :

BNA_G

ClientSampleId :

BENY4

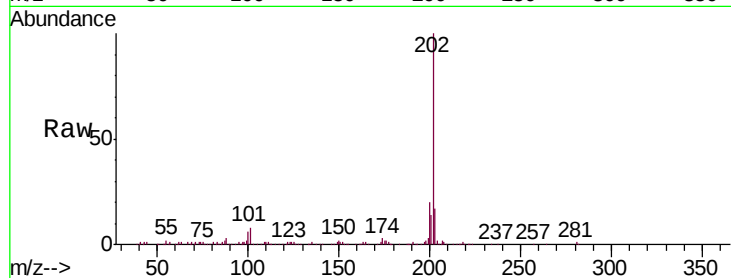
Tgt Ion:202 Resp: 115180

Ion Ratio Lower Upper

202 100

101 7.7 6.7 10.1

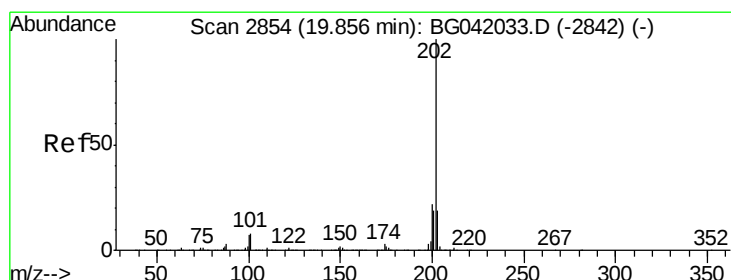
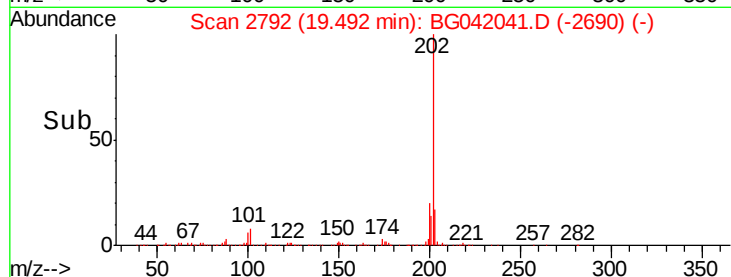
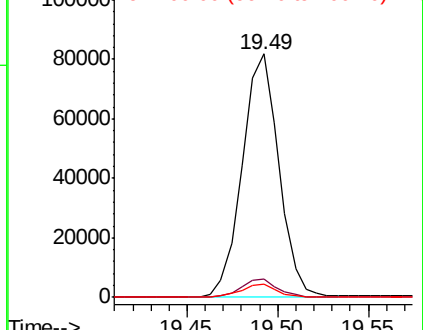
100 5.6 5.3 7.9



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: 3.035 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG042041.D

Acq: 7 Aug 2019 21:26

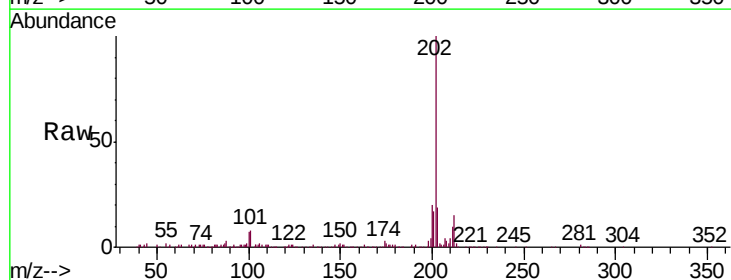
Tgt Ion:202 Resp: 100933

Ion Ratio Lower Upper

202 100

101 8.4 7.6 11.4

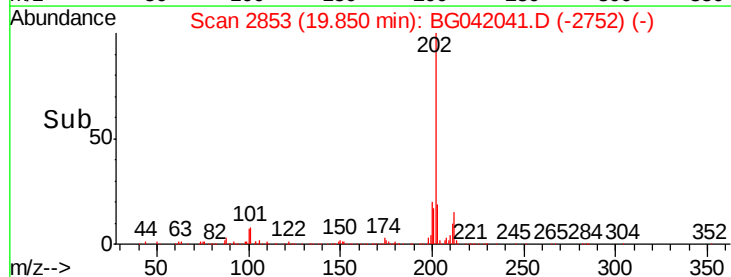
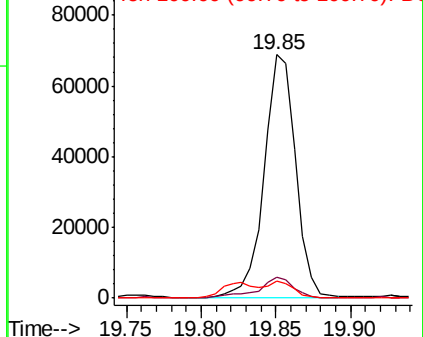
100 7.1 6.5 9.7

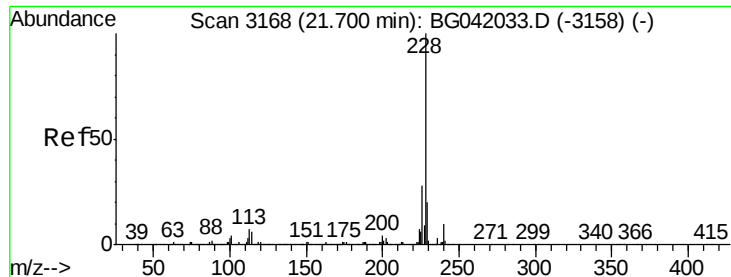


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.629 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG042041.D

Acq: 7 Aug 2019 21:26

Instrument :

BNA_G

ClientSampleId :

BENY4

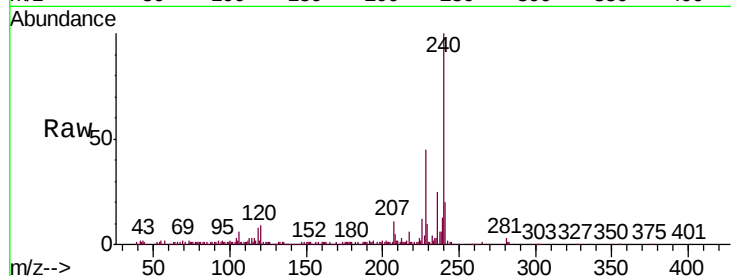
Tgt Ion:228 Resp: 55842

Ion Ratio Lower Upper

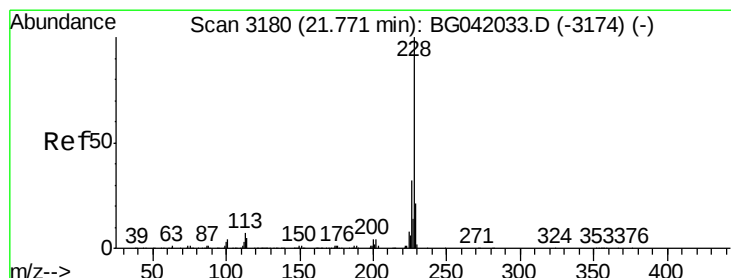
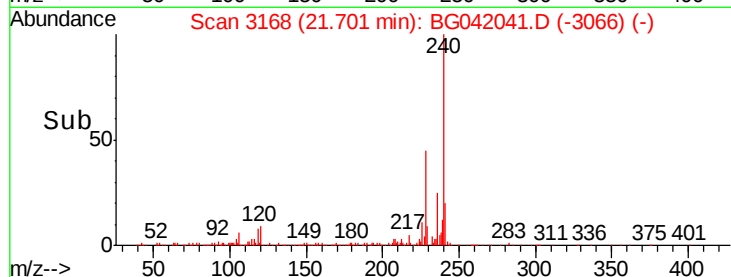
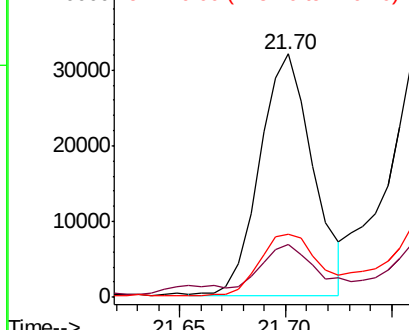
228 100

229 21.6 17.0 25.6

226 25.8 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: 2.136 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BG042041.D

Acq: 7 Aug 2019 21:26

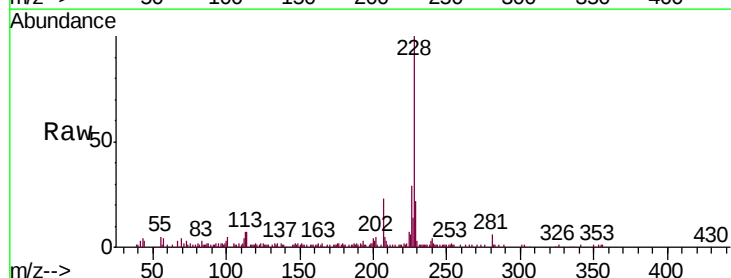
Tgt Ion:228 Resp: 68358

Ion Ratio Lower Upper

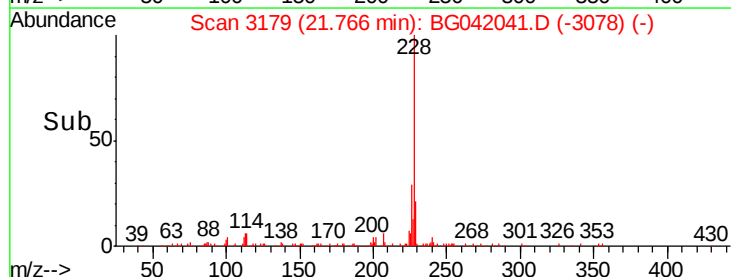
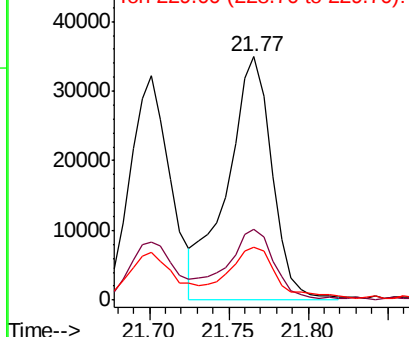
228 100

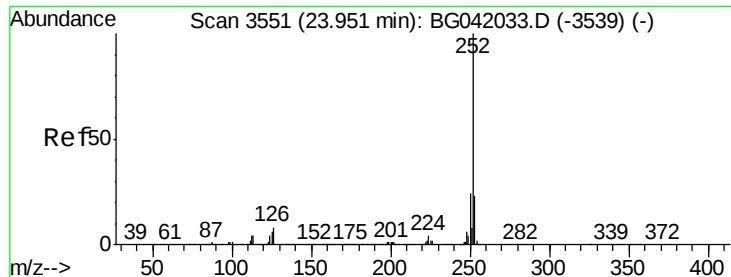
226 29.2 25.7 38.5

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: 2.778 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042041.D

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ClientSampleId :

BENY4

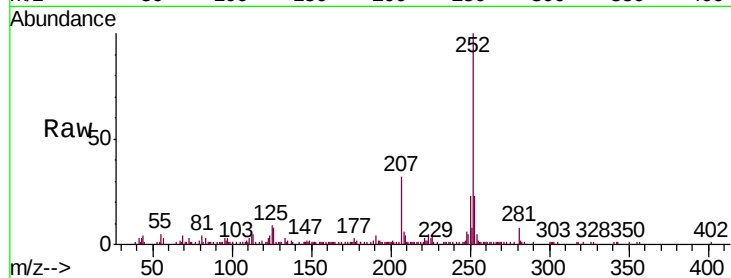
Tgt Ion:252 Resp: 101223

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

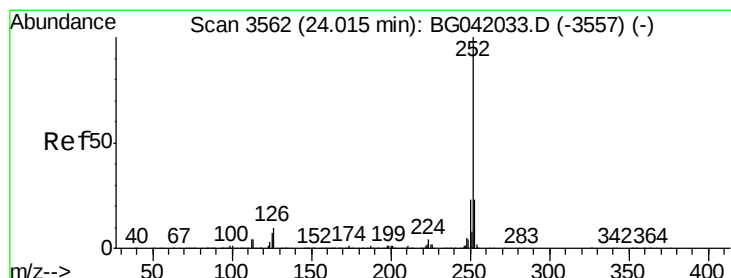
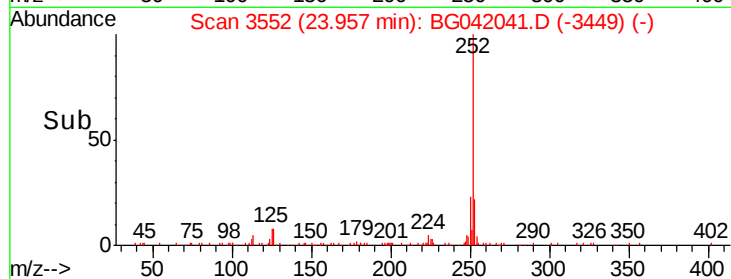
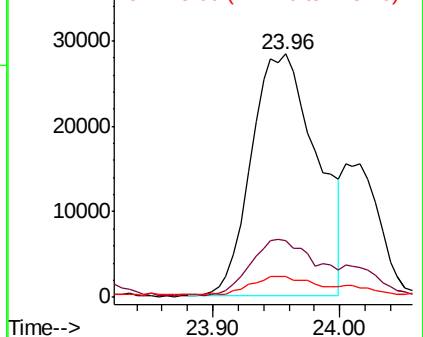
125 8.7 5.8 8.8



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: 2.889 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. -0.06 min

Lab File: BG042041.D

Acq: 7 Aug 2019 21:26

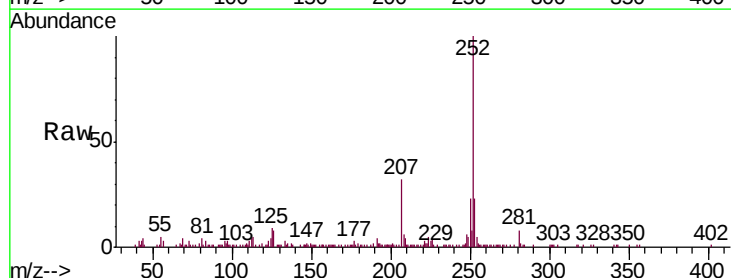
Tgt Ion:252 Resp: 101223

Ion Ratio Lower Upper

252 100

253 23.3 18.3 27.5

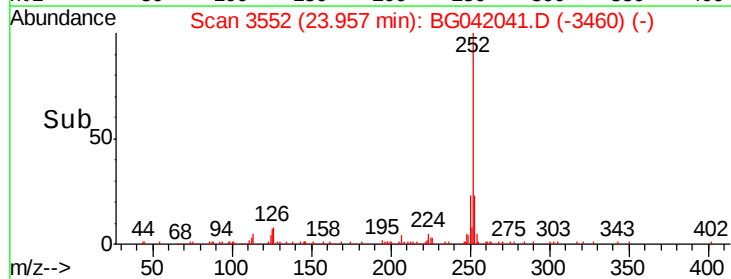
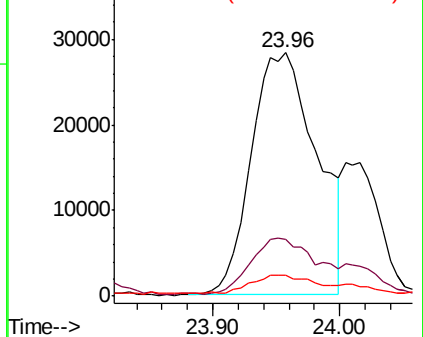
125 8.7 5.5 8.3#

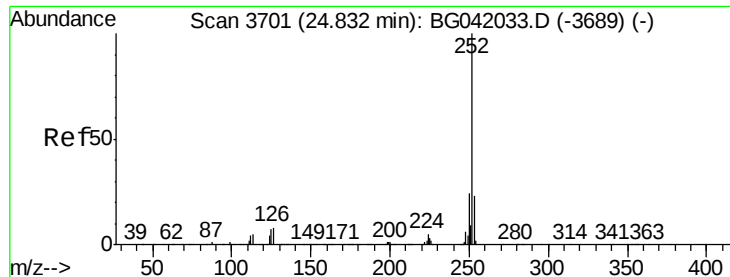


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 1.811 ng/ul

RT: 24.83 min Scan# 3701

Delta R.T. 0.00 min

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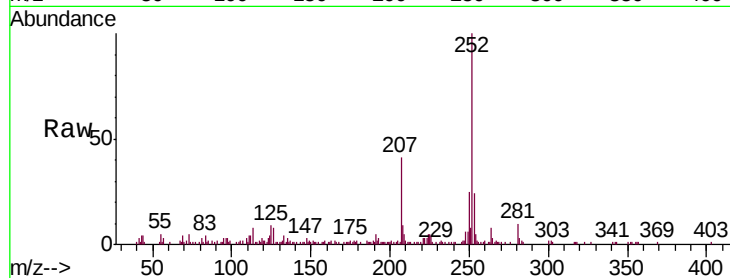
Tgt Ion:252 Resp: 62886

Ion Ratio Lower Upper

252 100

253 24.3 18.3 27.5

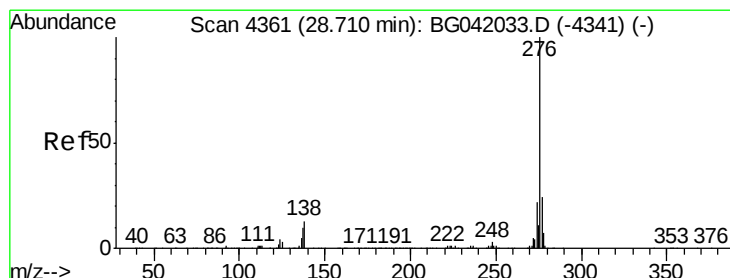
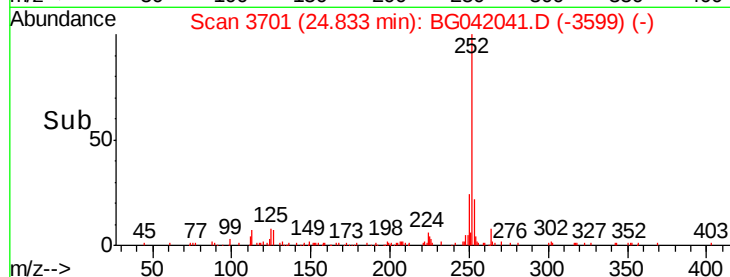
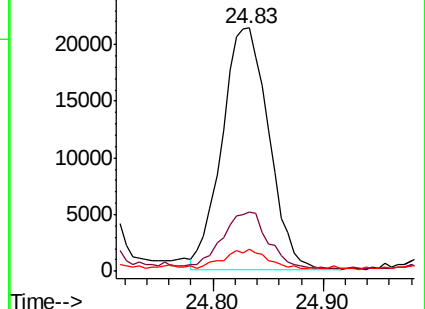
125 8.9 6.5 9.7



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: 1.241 ng/ul

RT: 28.71 min Scan# 4361

Delta R.T. 0.00 min

Lab File: BG042041.D

Acq: 7 Aug 2019 21:26

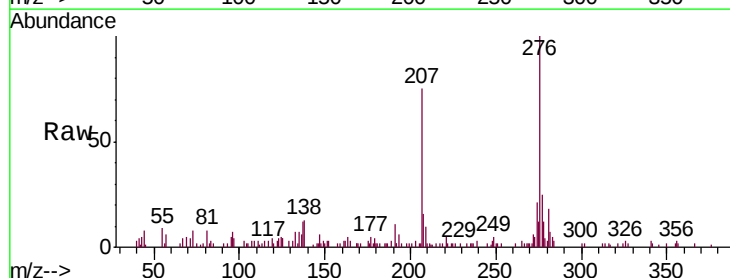
Tgt Ion:276 Resp: 50245

Ion Ratio Lower Upper

276 100

138 12.5 12.0 18.0

277 24.8 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

