

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080819\
 Data File : BG042073.D
 Acq On : 8 Aug 2019 18:47
 Operator : HP/JU
 Sample : K4028-17DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENR4DL

Quant Time: Aug 09 08:26:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 08 15:44:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	83913	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	361483	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.69	164	260768	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	552152	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	535215	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	633081	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	515	0.27	ng/uL	0.01
5) Phenol-d5	7.20	99	15650	2.38	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.36	67	8686	2.36	ng/ul	0.01
9) 2-Chlorophenol-d4	7.57	132	14385	2.56	ng/ul	0.02
13) 4-Methylphenol-d8	8.75	113	11129	2.01	ng/ul	0.02
19) Nitrobenzene-d5	9.21	128	7463	2.74	ng/ul	0.01
22) 2-Nitrophenol-d4	9.94	143	8023	2.54	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.49	165	15195	2.38	ng/ul	0.02
29) 4-Chloroaniline-d4	11.00	131	14796	2.09	ng/ul	0.03
43) Dimethylphthalate-d6	14.09	166	66113	3.27	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	74340	3.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.90	143	1525	0.45	ng/ul	0.03
57) Fluorene-d10	15.69	176	60572	3.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	4282	1.21	ng/ul	0.00
70) Anthracene-d10	17.54	188	97223	3.67	ng/ul	0.00
78) Pyrene-d10	19.82	212	111284	3.73	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	116371	3.52	ng/ul	0.00

Target Compounds

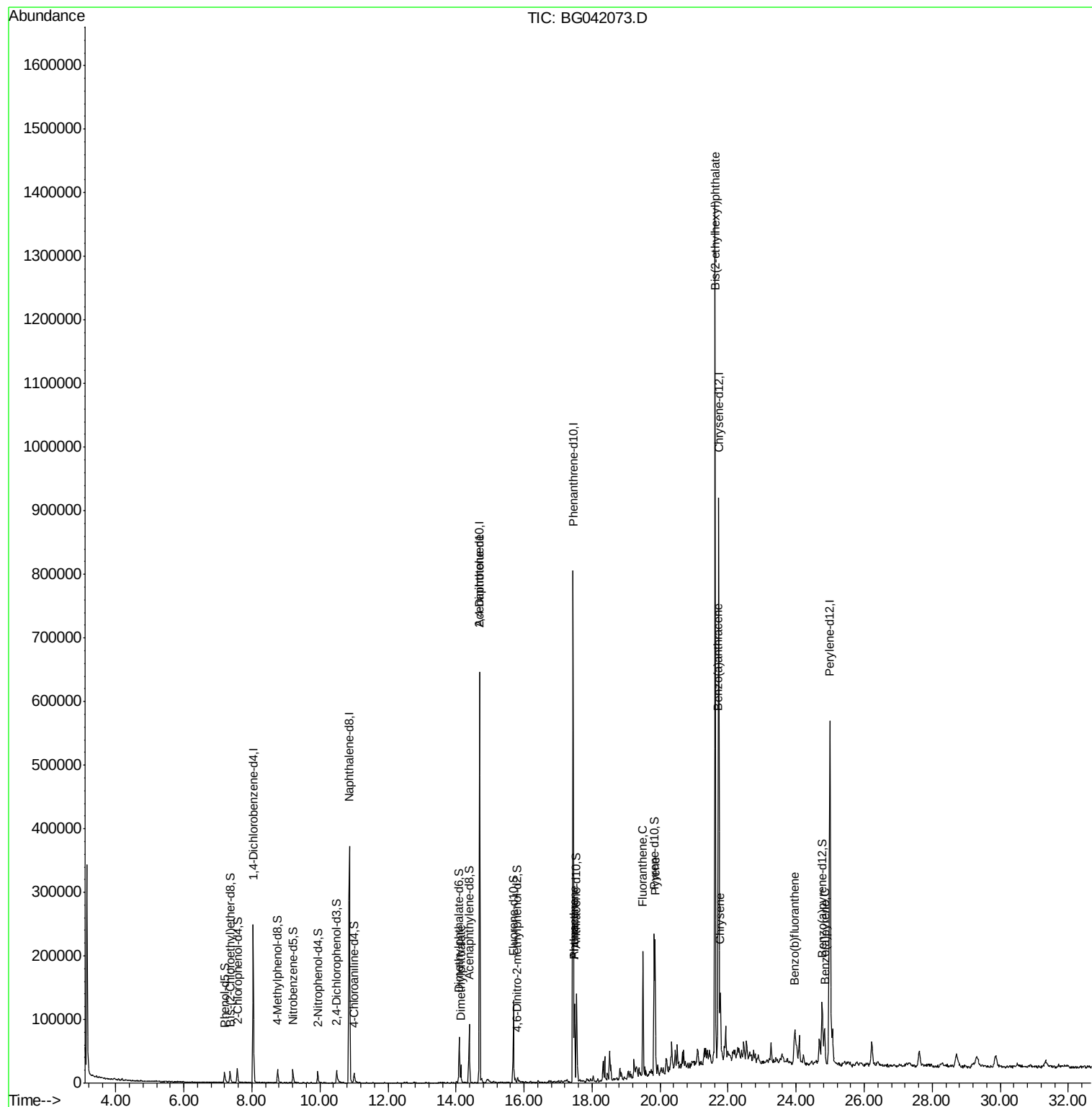
					Qvalue
44) Dimethylphthalate	14.14	163	22669	1.129 ng/ul#	94
54) 2,4-Dinitrotoluene	14.69	165	33016	5.199 ng/ul#	42
69) Phenanthrene	17.49	178	82130	2.717 ng/ul	99
71) Anthracene	17.49	178	82130	2.679 ng/ul	98
76) Fluoranthene	19.49	202	125946	3.606 ng/ul	98
79) Pyrene	19.85	202	148892	4.136 ng/ul	97
82) Benzo(a)anthracene	21.70	228	82890	2.234 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.62	149	598091	30.934 ng/ul	99
84) Chrysene	21.77	228	78187	2.257 ng/ul	98
87) Benzo(b)fluoranthene	23.95	252	81936	2.062 ng/ul#	97
90) Benzo(a)pyrene	24.83	252	68391	1.806 ng/ul	99

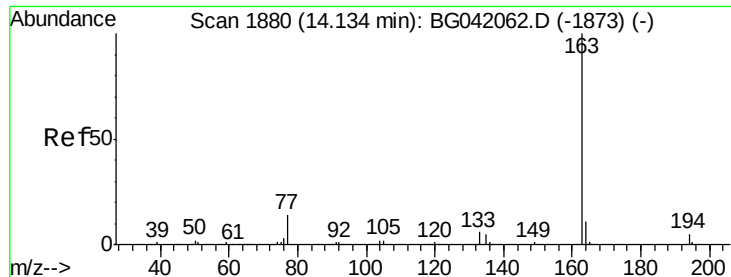
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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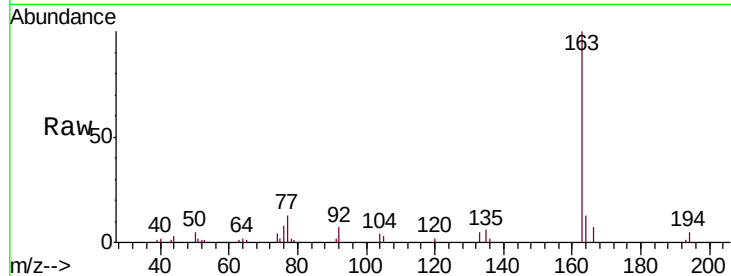




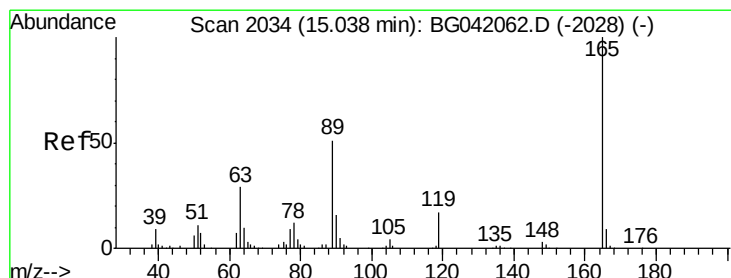
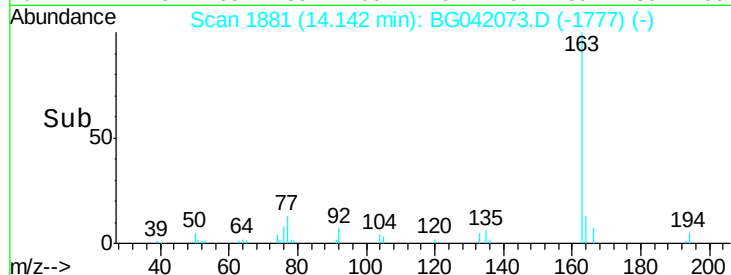
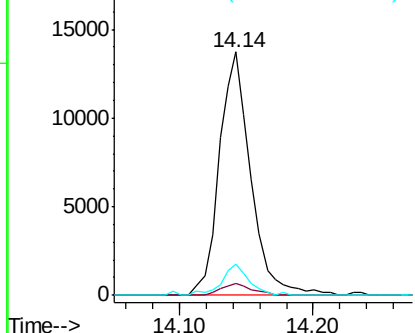
#44
Dimethylphthalate
Concen: 1.129 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. 0.01 min
Lab File: BG042073.D
Acq: 8 Aug 2019 18:47

Instrument :
BNA_G
ClientSampleId :
BENR4DL

Tgt Ion:163 Resp: 22669
Ion Ratio Lower Upper
163 100
194 4.8 4.2 6.2
164 12.9 7.8 11.8#

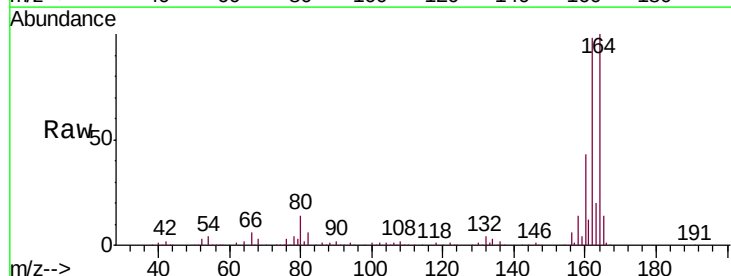


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

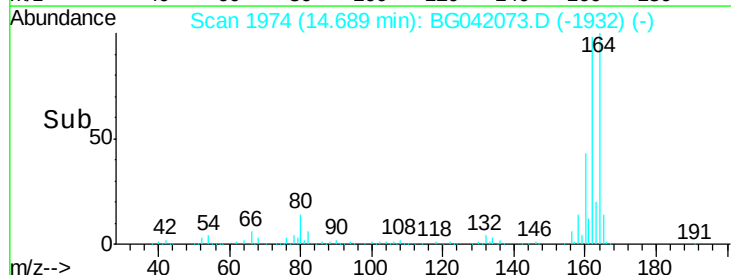
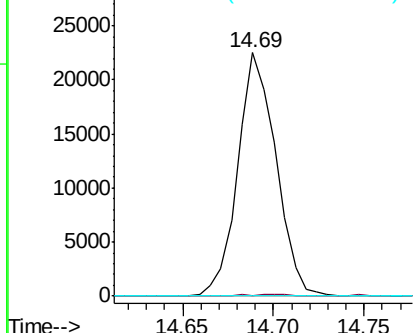


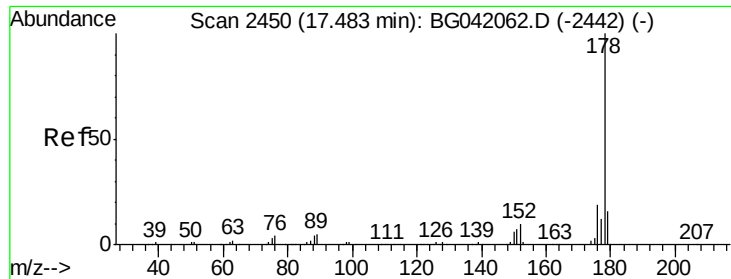
#54
2,4-Dinitrotoluene
Concen: 5.199 ng/ul
RT: 14.69 min Scan# 1974
Delta R.T. -0.36 min
Lab File: BG042073.D
Acq: 8 Aug 2019 18:47

Tgt Ion:165 Resp: 33016
Ion Ratio Lower Upper
165 100
63 0.0 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: 2.717 ng/ul

RT: 17.49 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042073.D

Acq: 8 Aug 2019 18:47

Instrument :

BNA_G

ClientSampleId :

BENR4DL

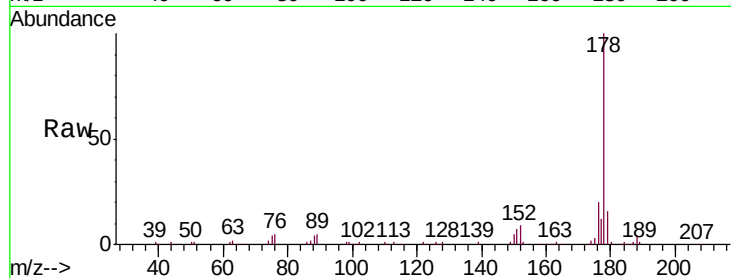
Tgt Ion:178 Resp: 82130

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

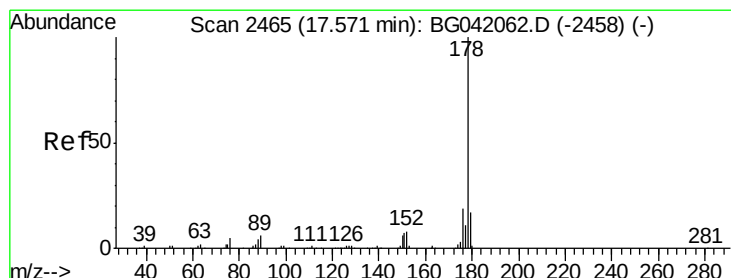
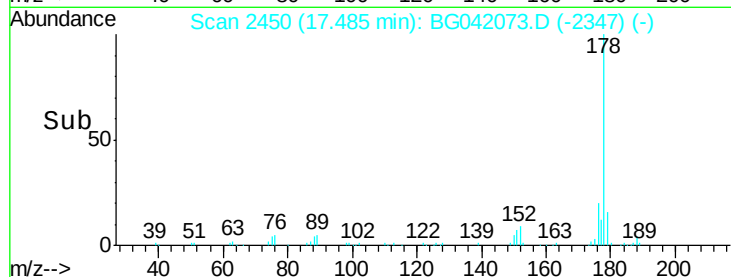
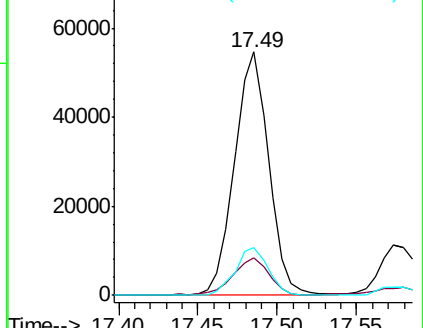
176 19.8 15.4 23.2



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: 2.679 ng/ul

RT: 17.49 min Scan# 2450

Delta R.T. -0.09 min

Lab File: BG042073.D

Acq: 8 Aug 2019 18:47

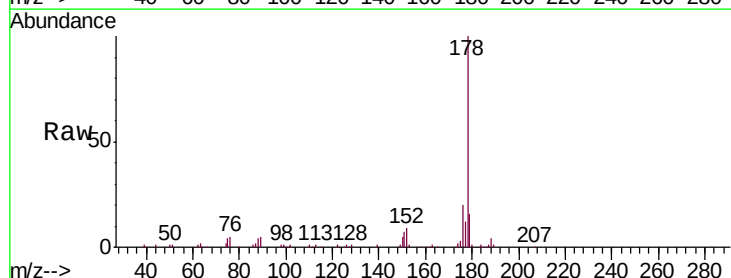
Tgt Ion:178 Resp: 82130

Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.0

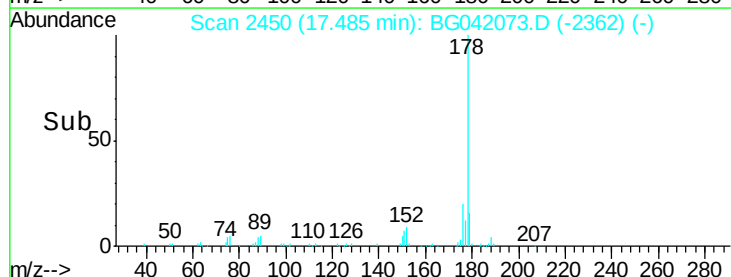
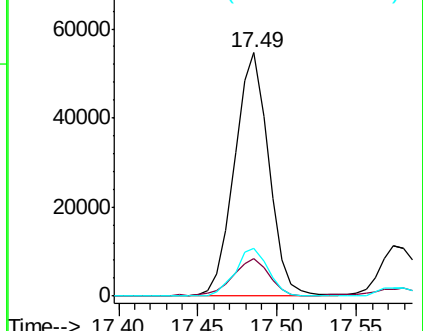
176 19.8 15.4 23.2

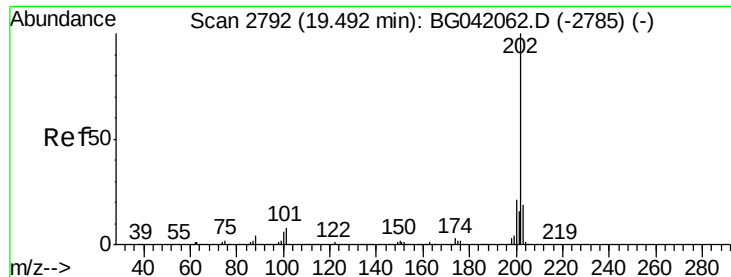


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 3.606 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042073.D

Acq: 8 Aug 2019 18:47

Instrument :

BNA_G

ClientSampleId :

BENR4DL

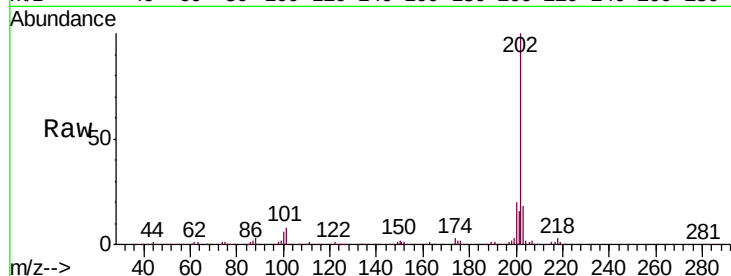
Tgt Ion:202 Resp: 125946

Ion Ratio Lower Upper

202 100

101 7.6 6.7 10.1

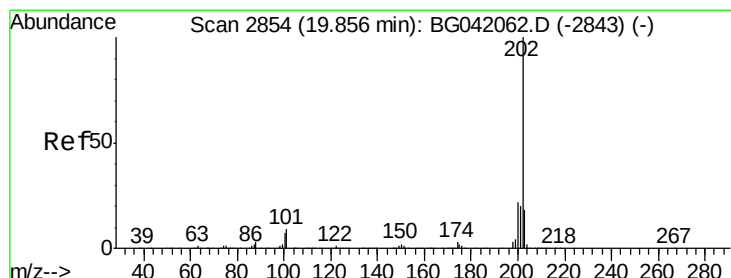
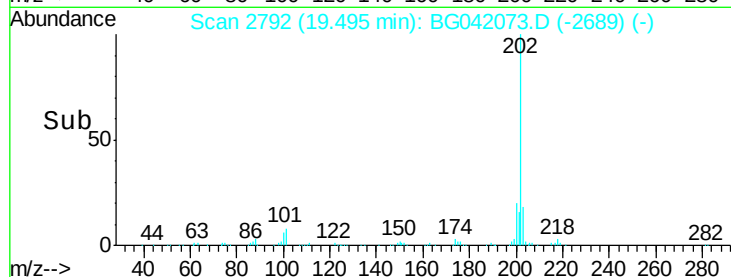
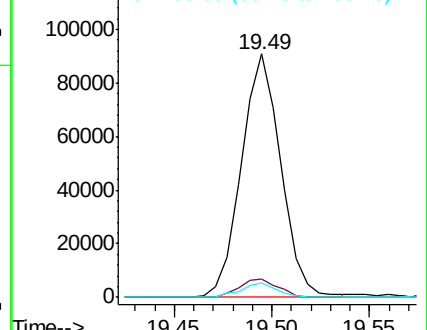
100 6.0 5.3 7.9



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: 4.136 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG042073.D

Acq: 8 Aug 2019 18:47

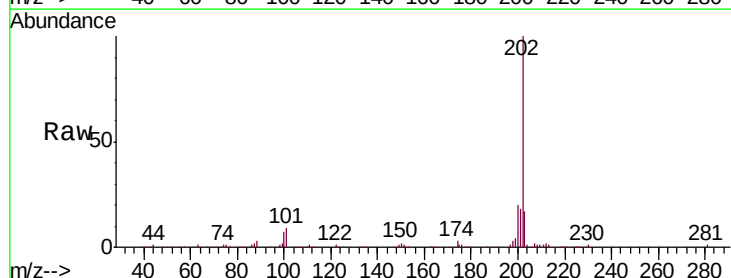
Tgt Ion:202 Resp: 148892

Ion Ratio Lower Upper

202 100

101 8.5 7.6 11.4

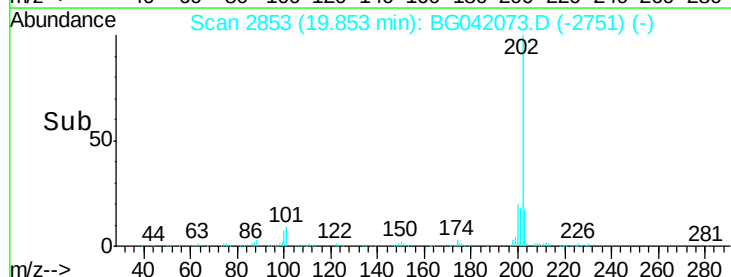
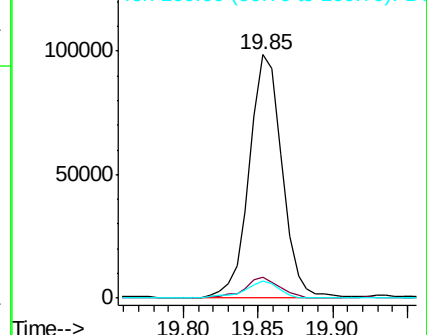
100 6.8 6.5 9.7

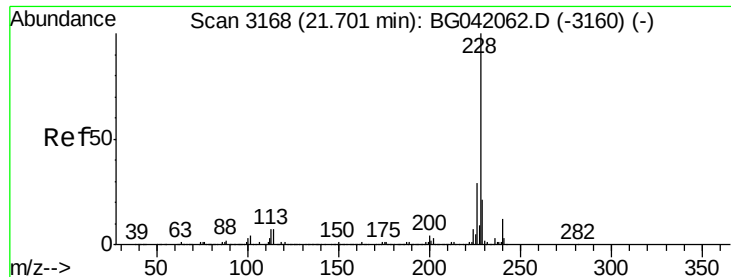


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 2.234 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG042073.D

Acq: 8 Aug 2019 18:47

Instrument :

BNA_G

ClientSampleId :

BENR4DL

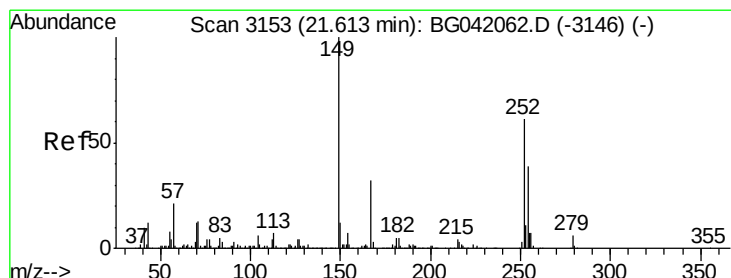
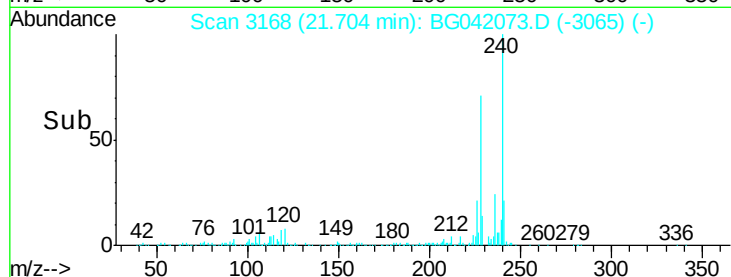
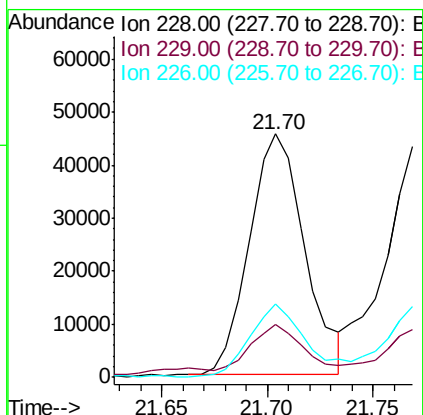
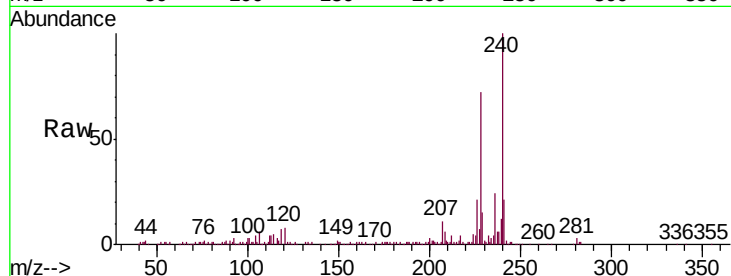
Tgt Ion:228 Resp: 82890

Ion Ratio Lower Upper

228 100

229 21.5 17.0 25.6

226 29.9 23.3 34.9



#83

Bis(2-ethylhexyl)phthalate

Concen: 30.934 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG042073.D

Acq: 8 Aug 2019 18:47

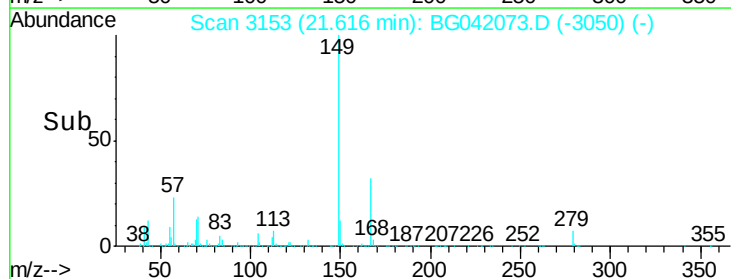
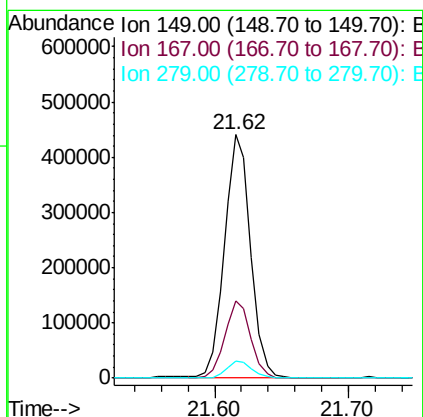
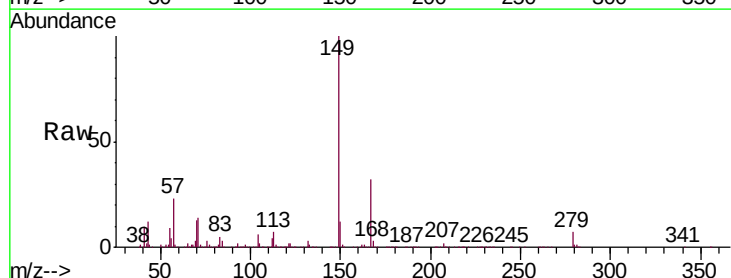
Tgt Ion:149 Resp: 598091

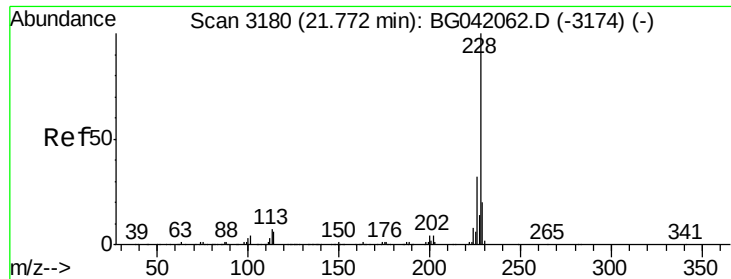
Ion Ratio Lower Upper

149 100

167 31.6 25.0 37.4

279 7.1 5.2 7.8





#84

Chrysene

Concen: 2.257 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BG042073.D

Acq: 8 Aug 2019 18:47

Instrument :

BNA_G

ClientSampleId :

BENR4DL

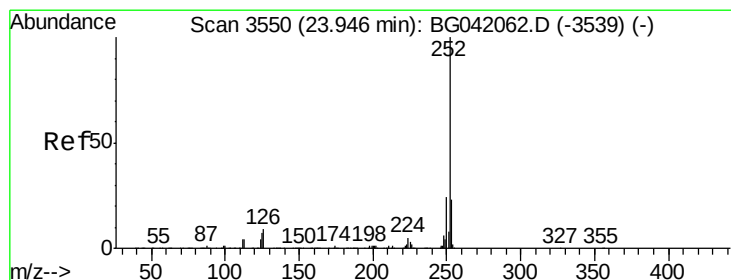
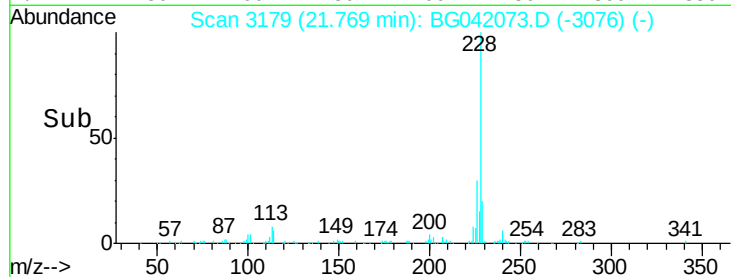
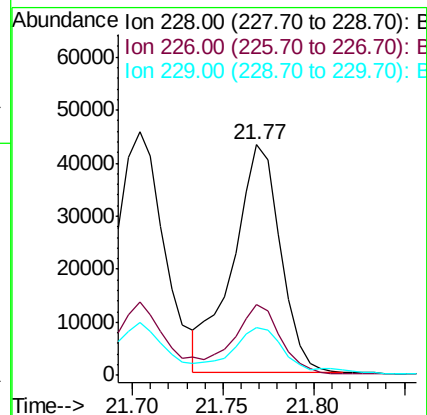
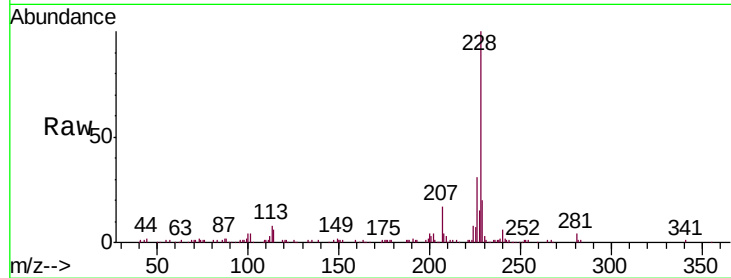
Tgt Ion:228 Resp: 78187

Ion Ratio Lower Upper

228 100

226 30.5 25.7 38.5

229 20.5 16.6 24.8



#87

Benzo(b)fluoranthene

Concen: 2.062 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. 0.01 min

Lab File: BG042073.D

Acq: 8 Aug 2019 18:47

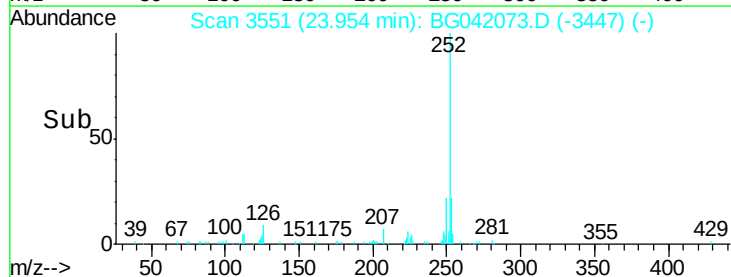
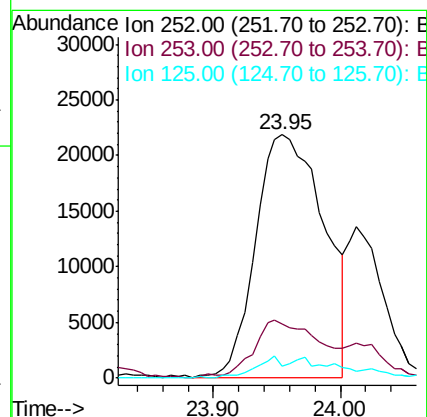
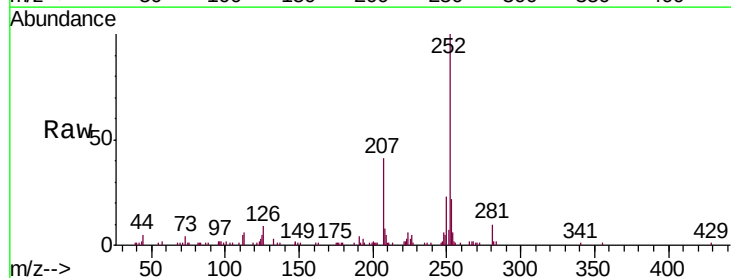
Tgt Ion:252 Resp: 81936

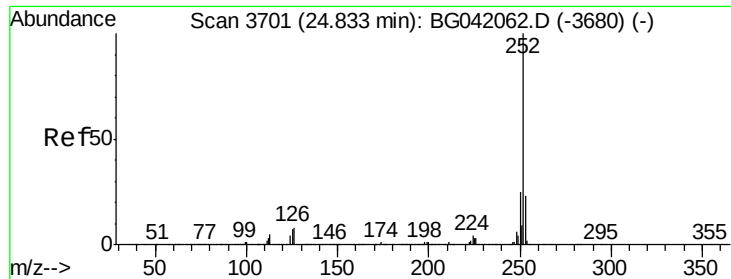
Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

125 5.1 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 1.806 ng/ul

RT: 24.83 min Scan# 3700

Delta R.T. -0.00 min

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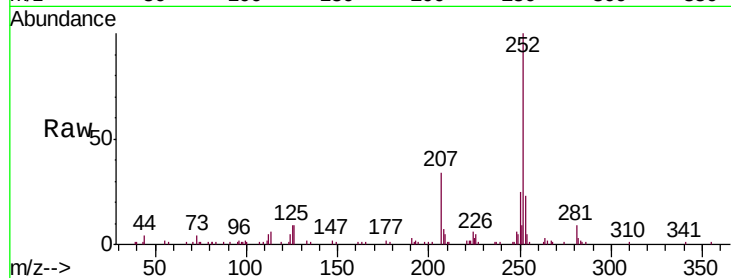
Tgt Ion:252 Resp: 68391

Ion Ratio Lower Upper

252 100

253 22.9 18.3 27.5

125 8.8 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

