

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
 Data File : BM024159.D
 Acq On : 18 Dec 2019 19:12
 Operator : JU
 Sample : K6171-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BS0

Quant Time: Dec 19 02:59:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 17 15:54:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	319651	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	1500846	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.11	164	977724	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	2070856	20.00	ng/ul	0.00
78) Chrysene-d12	21.08	240	1978879	20.00	ng/ul	0.00
86) Perylene-d12	23.21	264	1947626	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	20178	2.79	ng/uL	0.00
5) Phenol-d5	6.65	99	458722	15.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	291929	16.08	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	350459	16.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	367618	14.86	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	169956	15.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	185487	15.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	360054	15.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	421680	15.06	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	1185456	16.40	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	1420365	16.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	108243	8.34	ng/ul	0.00
58) Fluorene-d10	15.11	176	1075668	16.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	113884	9.01	ng/ul	0.00
71) Anthracene-d10	16.96	188	1647538	17.49	ng/ul	0.00
79) Pyrene-d10	19.27	212	1876389	19.91	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.07	264	1806641	18.67	ng/ul	0.00

Target Compounds

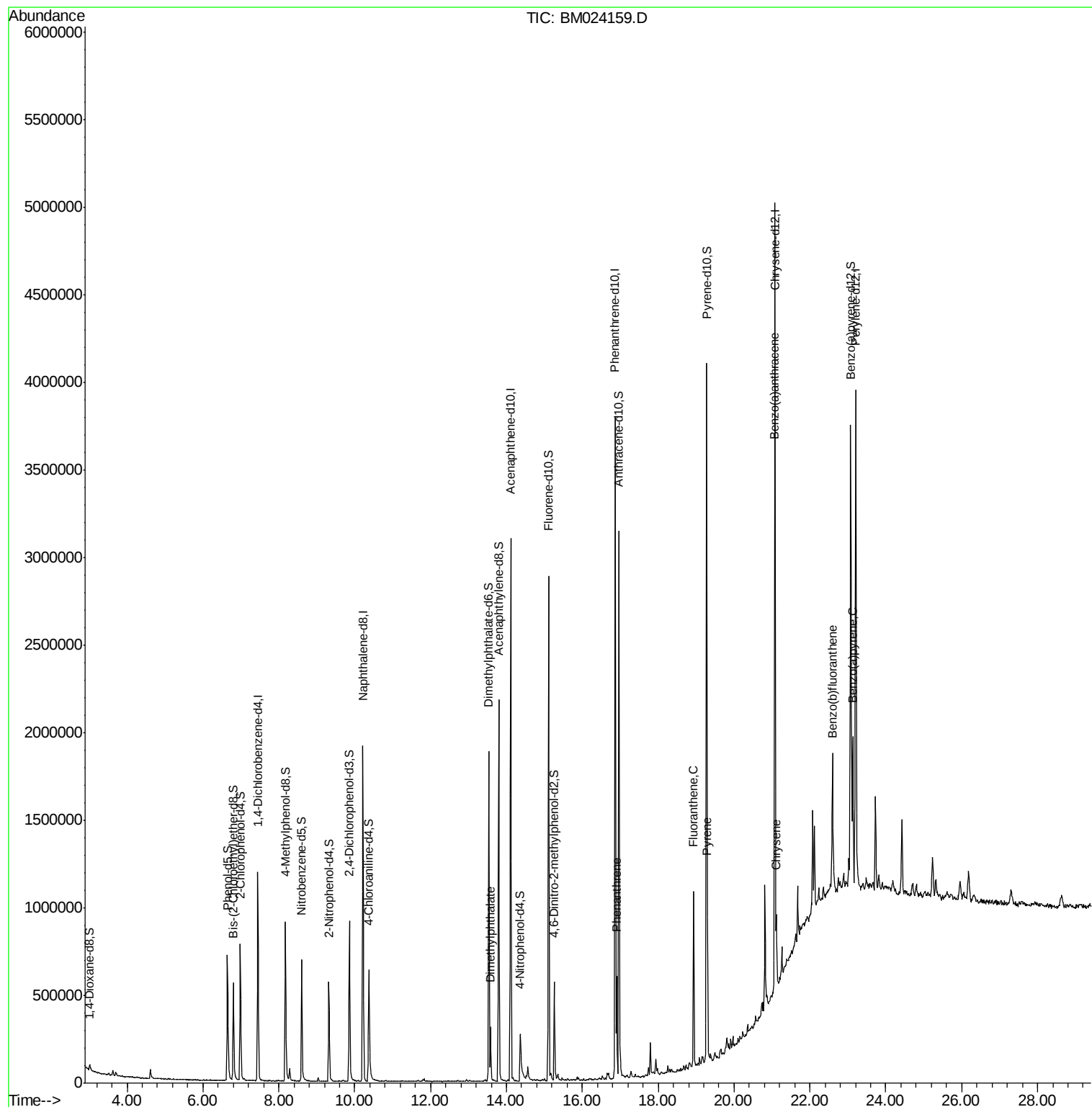
					Ovalue
45) Dimethylphthalate	13.58	163	197233	2.625 ng/ul	99
70) Phenanthrene	16.90	178	317595	2.739 ng/ul	99
77) Fluoranthene	18.94	202	603085	4.773 ng/ul	97
80) Pyrene	19.30	202	487249	3.772 ng/ul	99
83) Benzo(a)anthracene	21.06	228	232380	1.843 ng/ul	99
85) Chrysene	21.12	228	216234	1.750 ng/ul	98
88) Benzo(b)fluoranthene	22.58	252	255816	2.195 ng/ul#	93
91) Benzo(a)pyrene	23.12	252	166266	1.577 ng/ul#	94

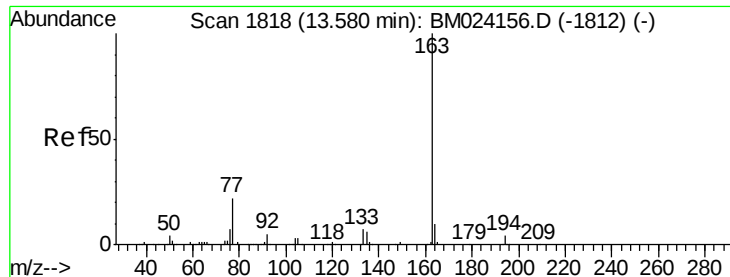
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#45

Dimethylphthalate

Concen: 2.625 ng/ul

RT: 13.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BM024159.D

Acq: 18 Dec 2019 19:12

Instrument :

BNA_M

ClientSampleId :

C0BS0

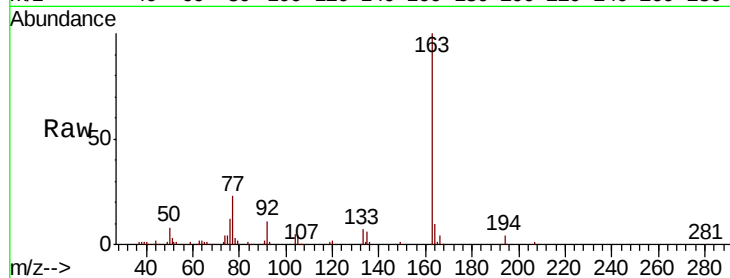
Tot Ion:163 Resp: 197233

Ion Ratio Lower Upper

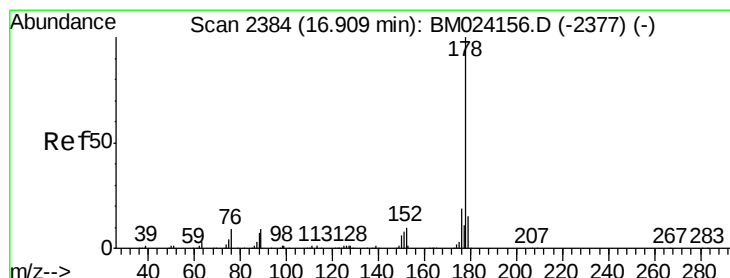
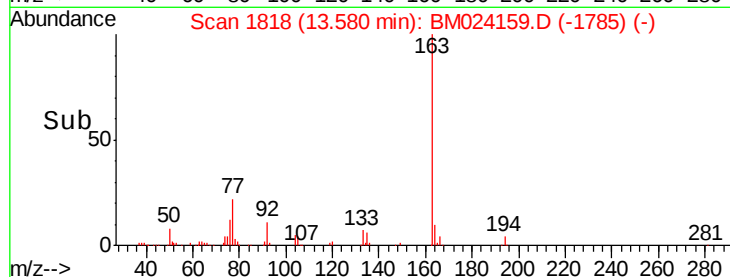
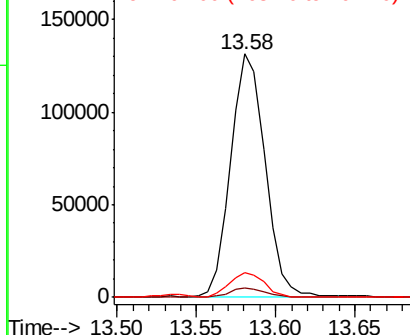
163 100

194 4.1 3.2 4.8

164 10.2 7.8 11.6



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



#70

Phenanthrene

Concen: 2.739 ng/ul

RT: 16.90 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM024159.D

Acq: 18 Dec 2019 19:12

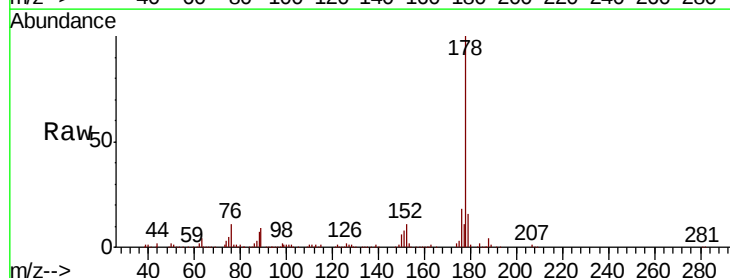
Tgt Ion:178 Resp: 317595

Ion Ratio Lower Upper

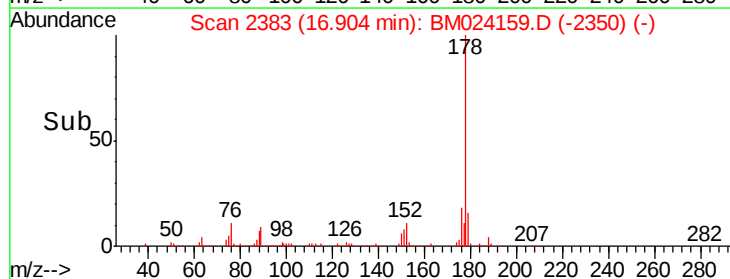
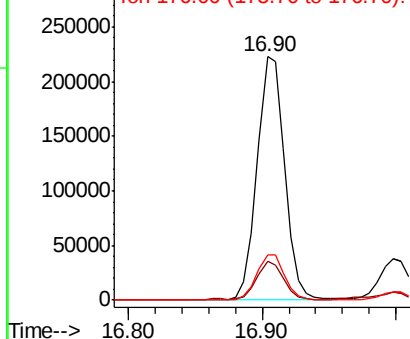
178 100

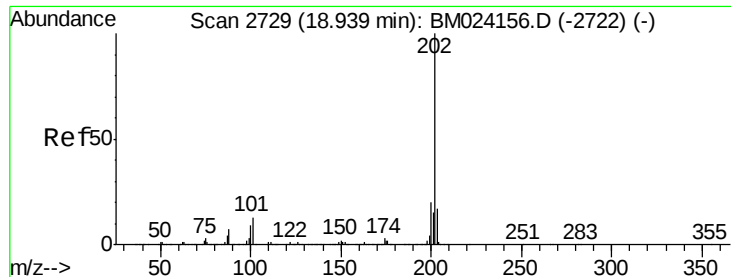
179 16.0 12.6 19.0

176 18.3 15.1 22.7



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

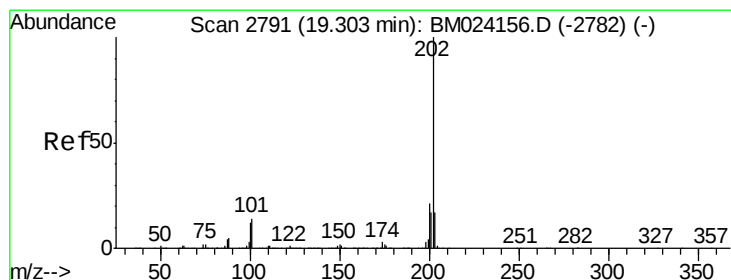
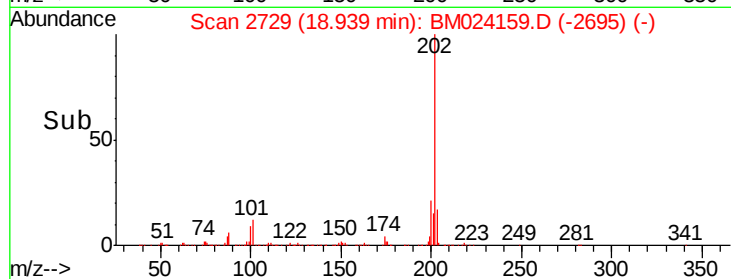
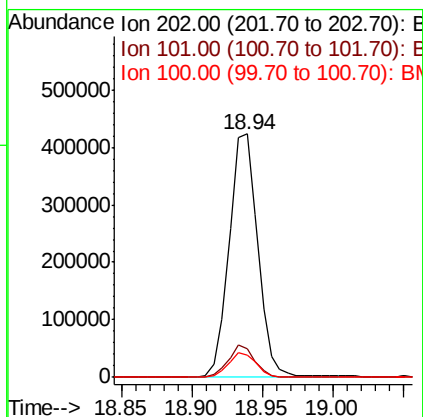
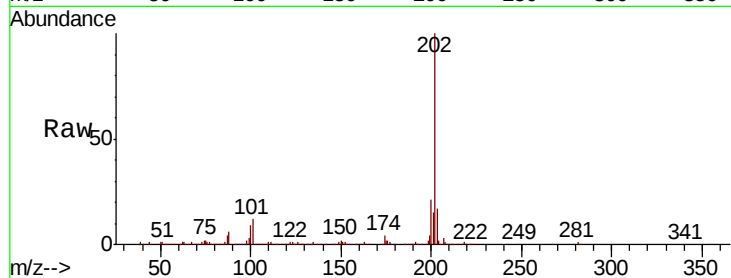




#77
 Fluoranthene
 Concen: 4.773 ng/ul
 RT: 18.94 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BM024159.D
 Acq: 18 Dec 2019 19:12

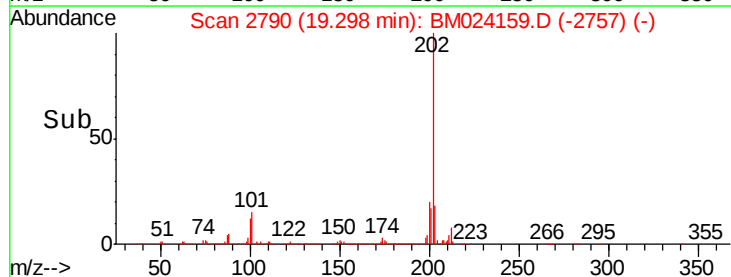
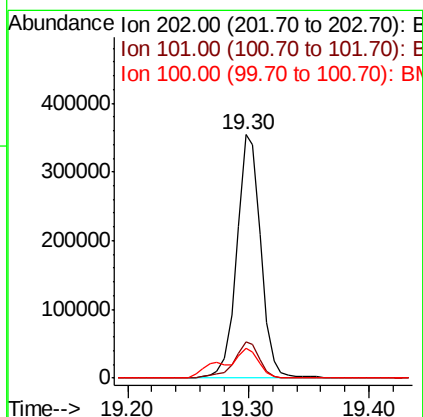
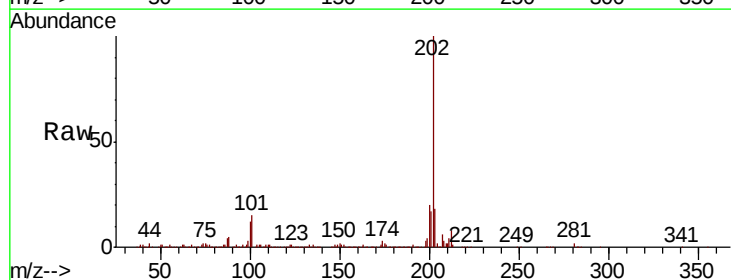
Instrument :
 BNA_M
 ClientSampleId :
 C0BS0

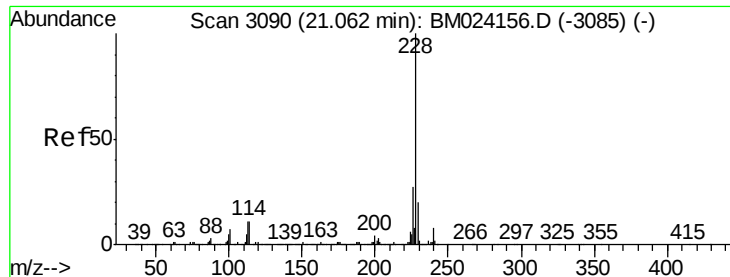
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	10.6	15.8
100	9.2	8.1	12.1



#80
 Pyrene
 Concen: 3.772 ng/ul
 RT: 19.30 min Scan# 2790
 Delta R.T. -0.01 min
 Lab File: BM024159.D
 Acq: 18 Dec 2019 19:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	12.2	18.4
100	12.4	10.0	15.0





#83

Benzo(a)anthracene

Concen: 1.843 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM024159.D

Acq: 18 Dec 2019 19:12

Instrument :

BNA_M

ClientSampled :

C0BS0

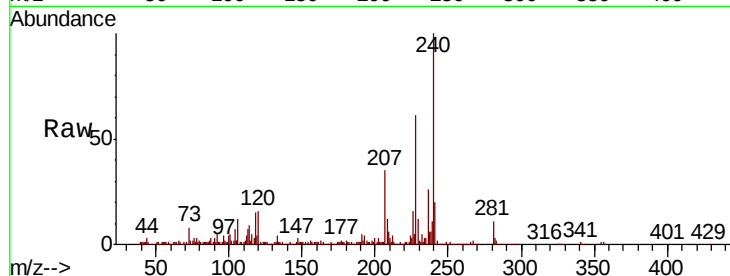
Tot Ion:228 Resp: 232380

Ion Ratio Lower Upper

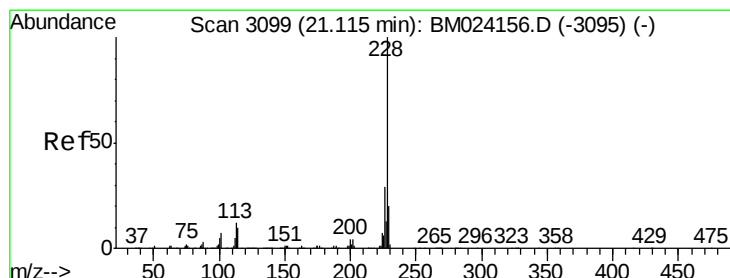
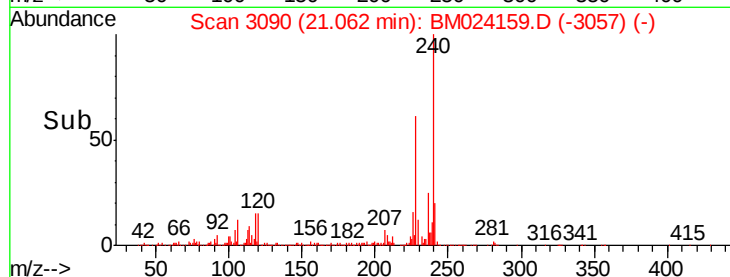
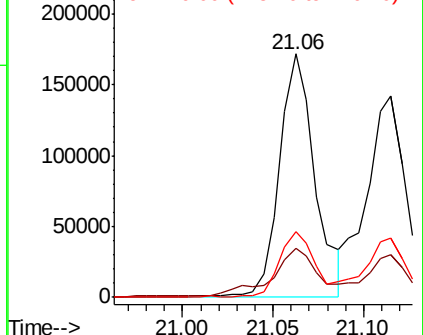
228 100

229 20.0 15.8 23.8

226 26.9 22.2 33.2



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



#85

Chrysene

Concen: 1.750 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM024159.D

Acq: 18 Dec 2019 19:12

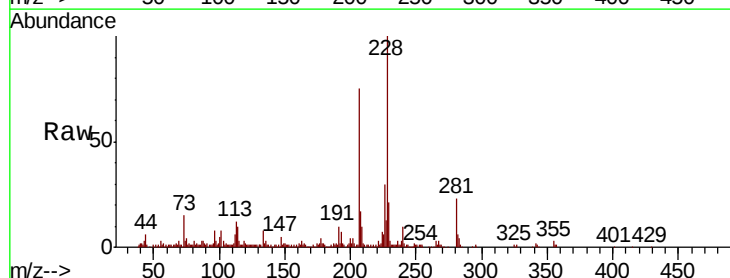
Tgt Ion:228 Resp: 216234

Ion Ratio Lower Upper

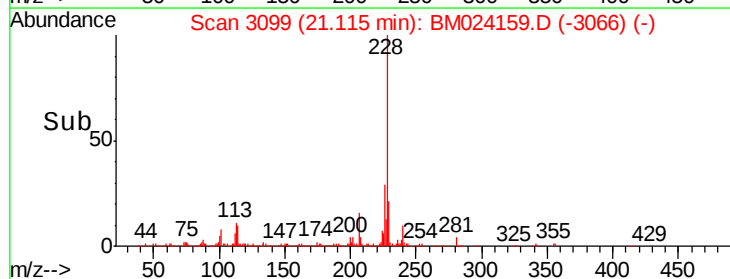
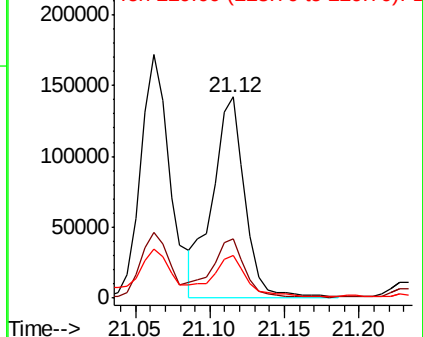
228 100

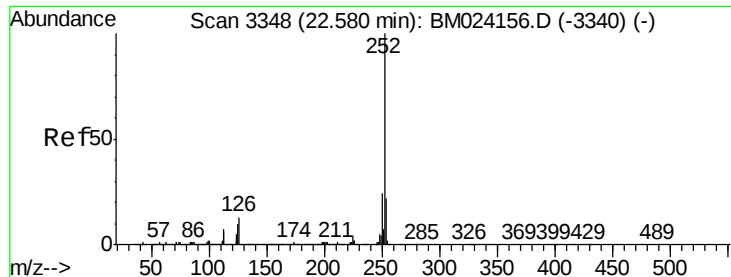
226 29.7 24.0 36.0

229 21.4 15.4 23.2



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





#88

Benzo(b)fluoranthene

Concen: 2.195 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM024159.D

Acq: 18 Dec 2019 19:12

Instrument :

BNA_M

ClientSampleId :

C0BS0

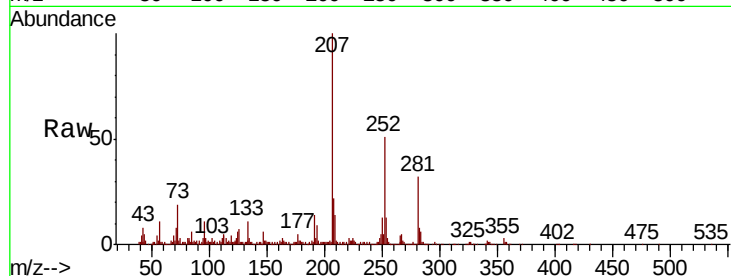
Tot Ion:252 Resp: 255816

Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

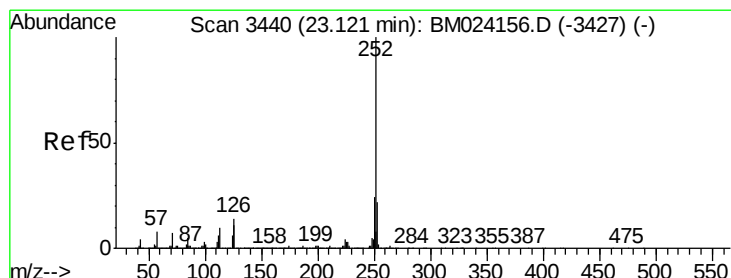
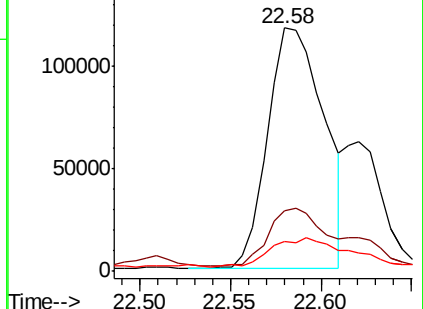
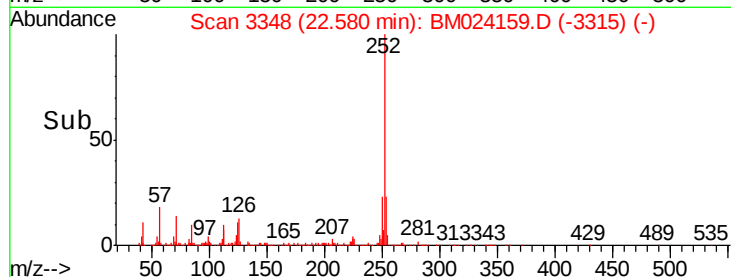
125 12.3 7.8 11.8#



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



#91

Benzo(a)pyrene

Concen: 1.577 ng/ul

RT: 23.12 min Scan# 3439

Delta R.T. -0.01 min

Lab File: BM024159.D

Acq: 18 Dec 2019 19:12

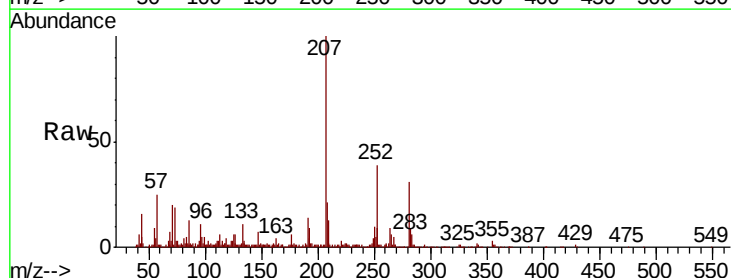
Tgt Ion:252 Resp: 166266

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 14.3 8.2 12.4#



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

