

Data File : BM023196.D
Acq On : 16 Oct 2019 18:33
Operator : JU
Sample : K5199-05DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP72DL

Quant Time: Oct 17 04:33:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 04:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	468234	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1828192	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	1077717	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	2103121	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2080212	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2529258	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	21875	2.06	ng/uL	0.00
5) Phenol-d5	6.83	99	377303	9.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	247940	10.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	332333	10.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	290141	8.86	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	150540	12.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	163258	13.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	327508	10.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	225550	6.19	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	987006	11.95	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1172937	12.11	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	75032	5.61	ng/ul	0.00
58) Fluorene-d10	15.30	176	848193	12.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	82194	9.86	ng/ul	0.00
71) Anthracene-d10	17.15	188	1268932	12.51	ng/ul	0.00
79) Pyrene-d10	19.44	212	1391830	13.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	1635658	12.76	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	392410	4.747	ng/ul	99
70) Phenanthrene	17.09	178	1048000	8.879	ng/ul	99
72) Anthracene	17.19	178	232960	1.910	ng/ul	99
76) Di-n-butylphthalate	18.04	149	241337	1.861	ng/ul	98
77) Fluoranthene	19.12	202	2367059	16.863	ng/ul	100
80) Pyrene	19.47	202	2536618	19.465	ng/ul	98
83) Benzo(a)anthracene	21.23	228	1443871	10.244	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.19	149	3248274	45.071	ng/ul	99
85) Chrysene	21.28	228	1494999	11.423	ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	1979447	12.908	ng/ul	98
89) Benzo(k)fluoranthene	22.80	252	1979447	13.443	ng/ul	97
91) Benzo(a)pyrene	23.36	252	1439836	9.786	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.67	276	970518	5.545	ng/ul	99
93) Dibenzo(a,h)anthracene	25.67	278	269958	1.845	ng/ul#	91
94) Benzo(g,h,i)perylene	26.34	276	951440	6.602	ng/ul	99

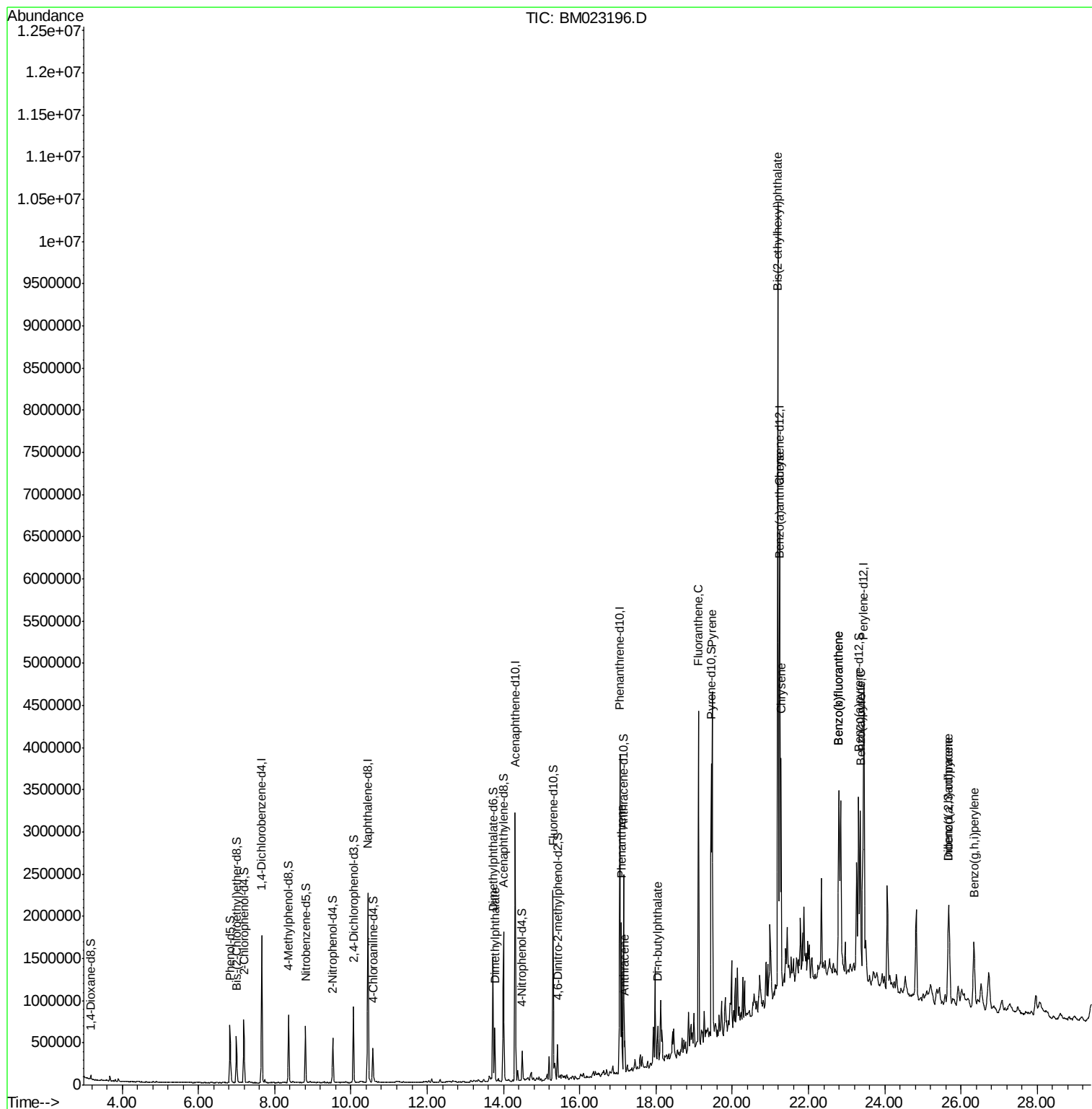
(#) = qualifier out of range (m) = manual integration (+) = signals summed

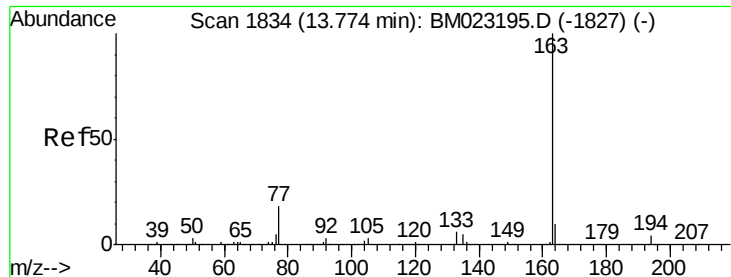
Data File : BM023196.D

```
Acq On       : 16 Oct 2019  18:33
Operator    : JU
Sample      : K5199-05DL  2X
Misc       :
ALS Vial    : 3      Sample Multipl
```

Instrument :
BNA_M
ClientSampleId :
BEP72DL

Quant Time: Oct 17 04:33:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 04:31:06 2019
Response via : Initial Calibration

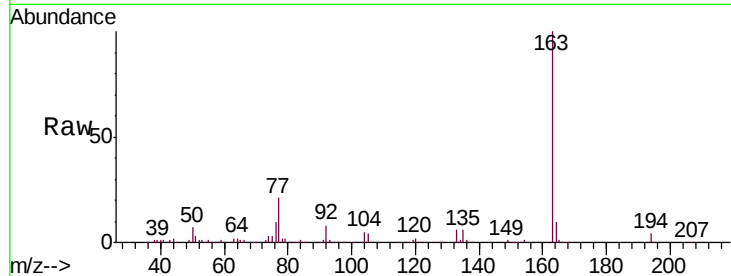




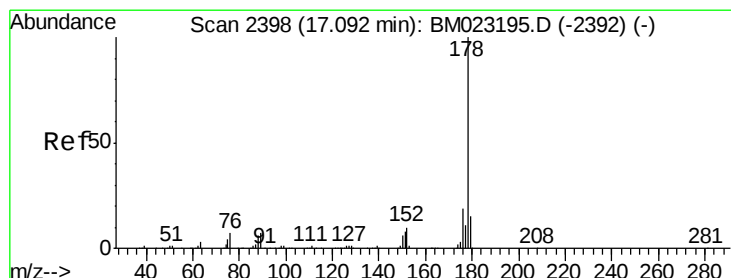
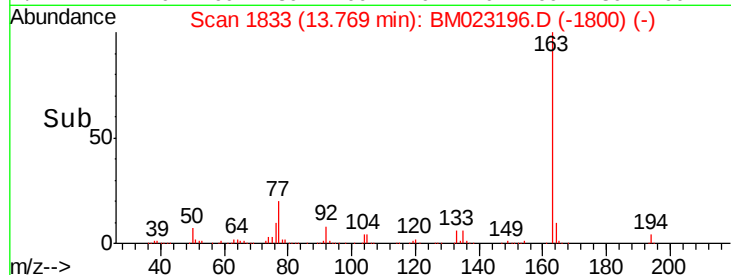
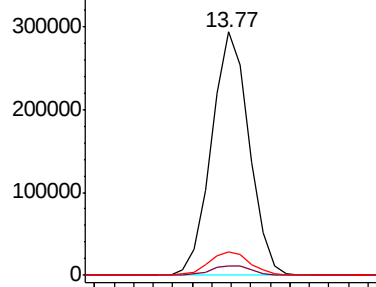
#45
Dimethylphthalate
Concen: 4.747 ng/ul
RT: 13.77 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BM023196.D
Acq: 16 Oct 2019 18:33

Instrument :
BNA_M
ClientSampleId :
BEP72DL

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	9.7	8.0	12.0

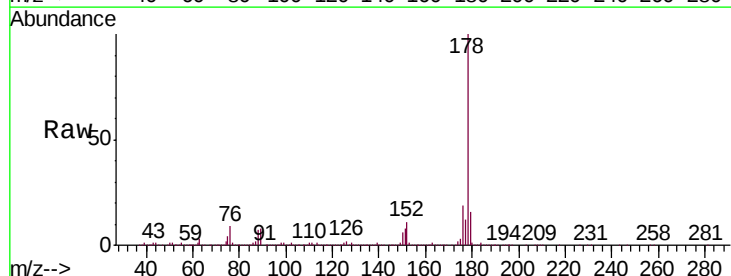


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

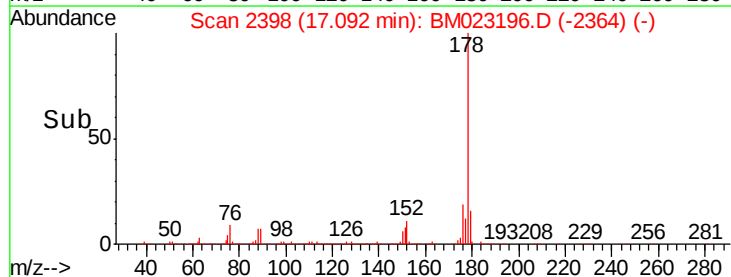
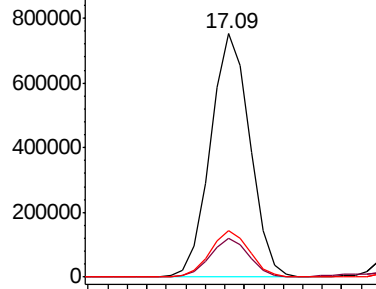


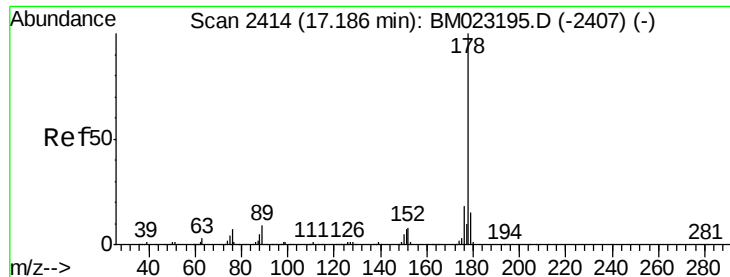
#70
Phenanthrene
Concen: 8.879 ng/ul
RT: 17.09 min Scan# 2398
Delta R.T. 0.00 min
Lab File: BM023196.D
Acq: 16 Oct 2019 18:33

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.2	15.5	23.3



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





#72

Anthracene

Concen: 1.910 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

Instrument :

BNA_M

ClientSampleId :

BEP72DL

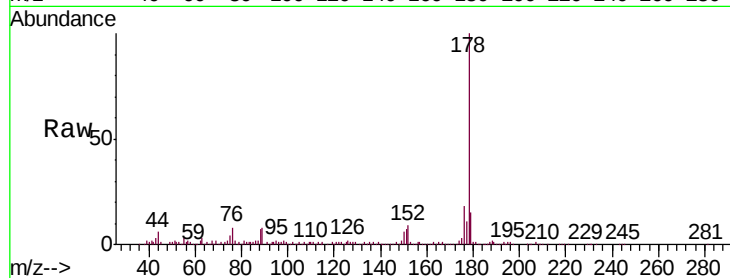
Tgt Ion:178 Resp: 232960

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

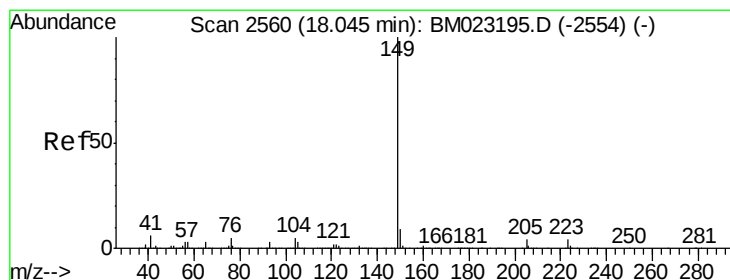
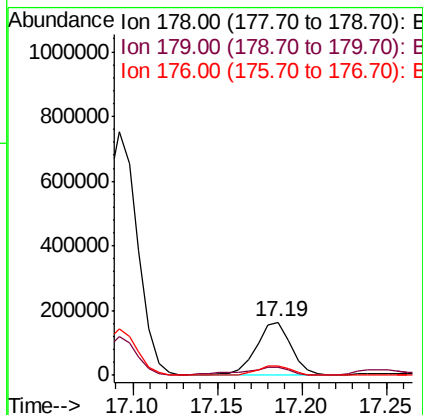
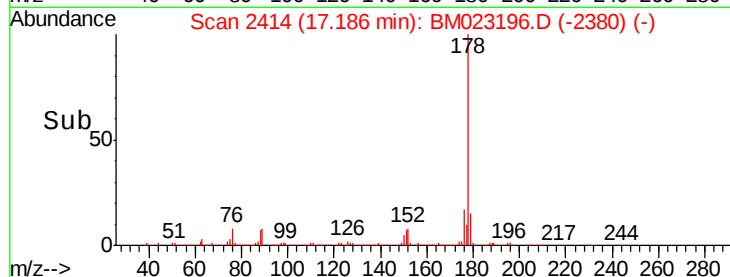
176 17.6 15.0 22.4



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

Di-n-butylphthalate

Concen: 1.861 ng/ul

RT: 18.04 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

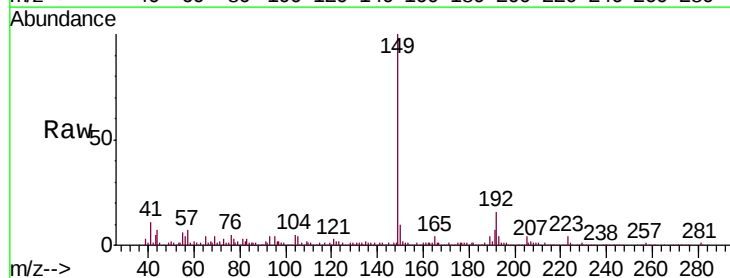
Tgt Ion:149 Resp: 241337

Ion Ratio Lower Upper

149 100

150 9.6 7.0 10.4

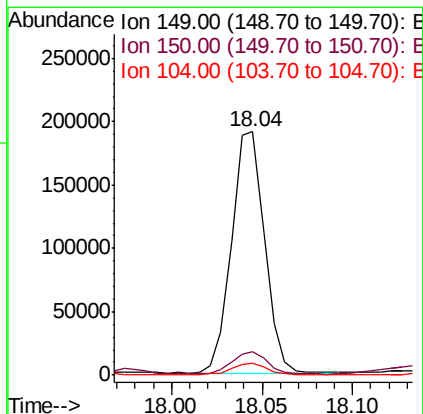
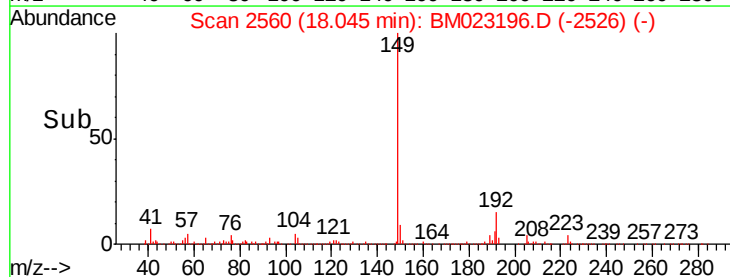
104 4.9 4.0 6.0

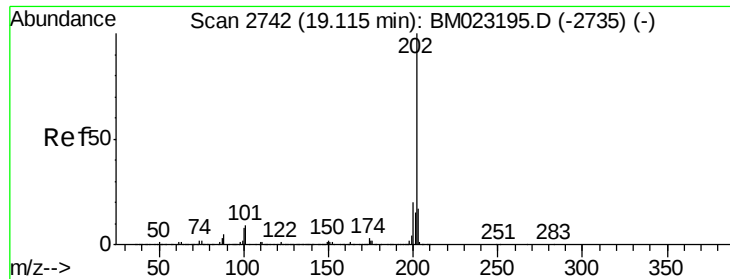


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

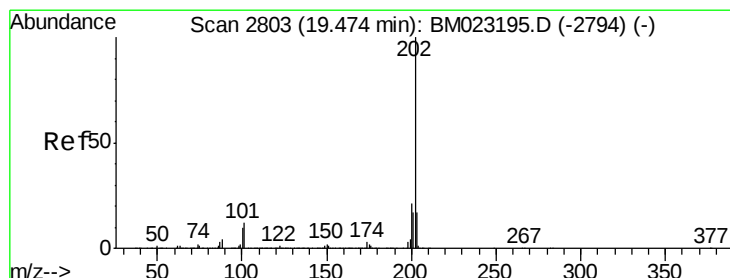
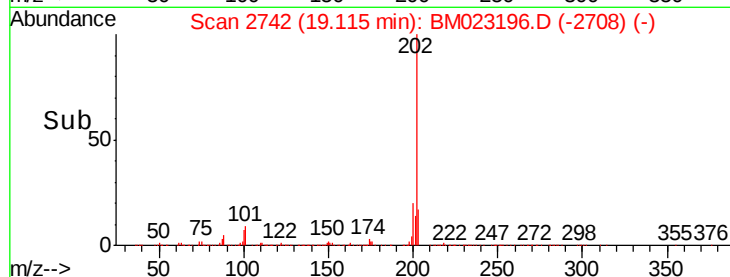
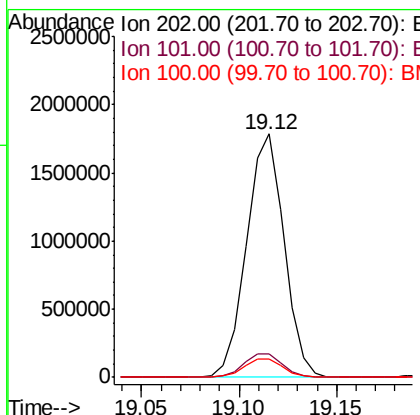
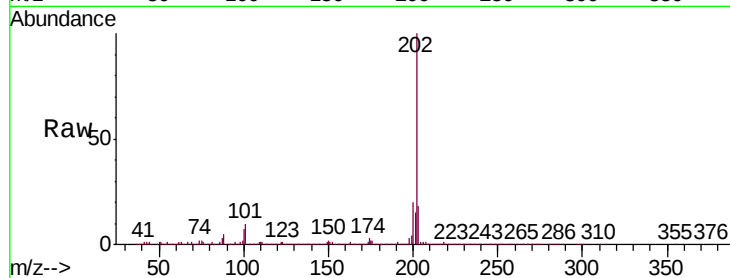




#77
 Fluoranthene
 Concen: 16.863 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. 0.00 min
 Lab File: BM023196.D
 Acq: 16 Oct 2019 18:33

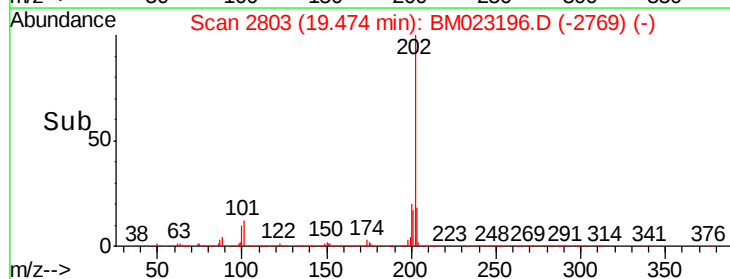
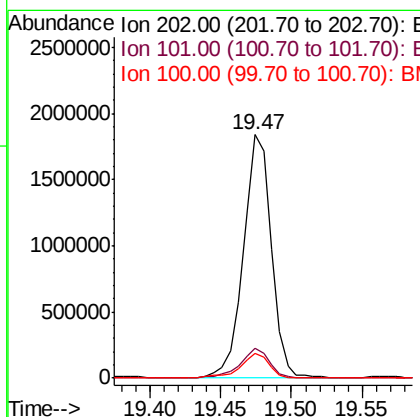
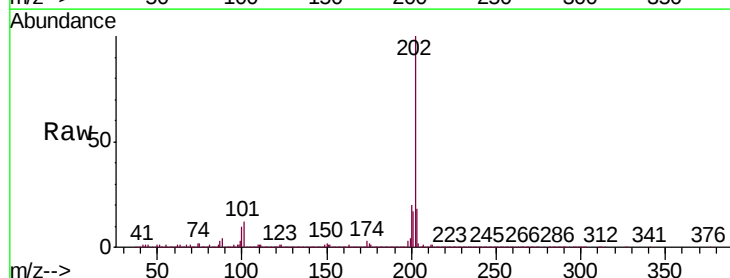
Instrument :
 BNA_M
 ClientSampleId :
 BEP72DL

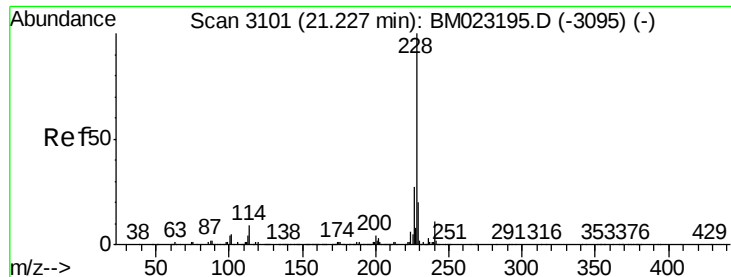
Tgt Ion:202 Resp: 2367059
 Ion Ratio Lower Upper
 202 100
 101 9.7 7.8 11.8
 100 7.4 6.1 9.1



#80
 Pyrene
 Concen: 19.465 ng/ul
 RT: 19.47 min Scan# 2803
 Delta R.T. 0.00 min
 Lab File: BM023196.D
 Acq: 16 Oct 2019 18:33

Tgt Ion:202 Resp: 2536618
 Ion Ratio Lower Upper
 202 100
 101 12.0 9.1 13.7
 100 10.0 7.5 11.3





#83

Benzo(a)anthracene

Concen: 10.244 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

Instrument :

BNA_M

ClientSampleId :

BEP72DL

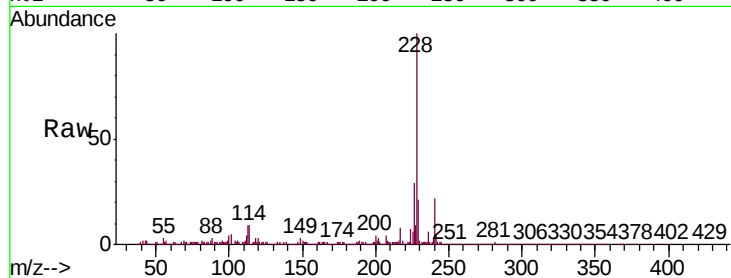
Tgt Ion:228 Resp: 1443871

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

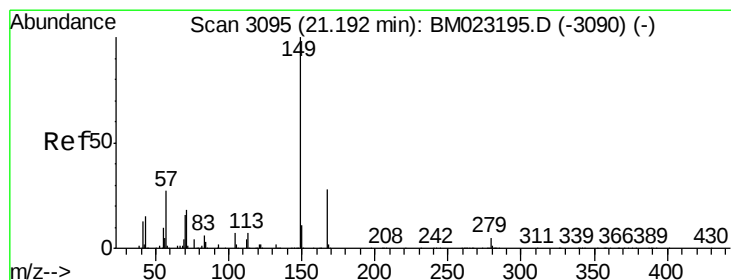
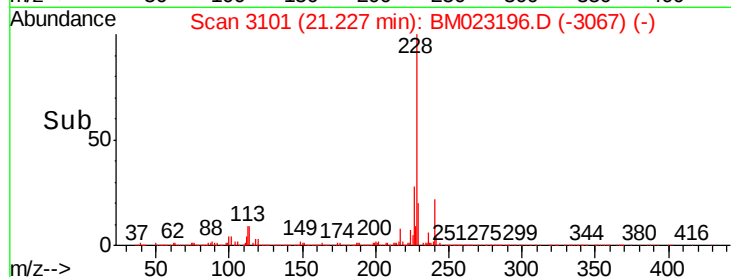
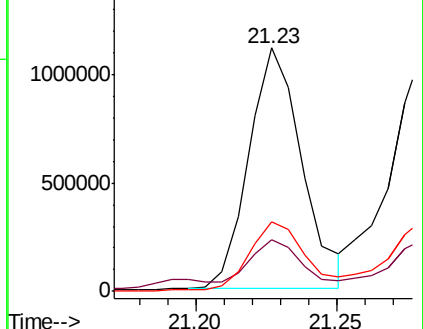
226 28.5 21.6 32.4



Abundance Ion 228.00 (227.70 to 228.70): E

1500000 Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.071 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

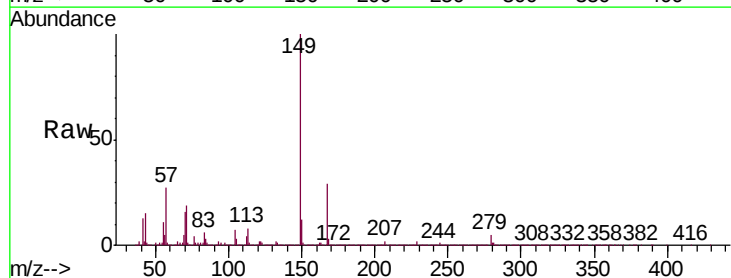
Tgt Ion:149 Resp: 3248274

Ion Ratio Lower Upper

149 100

167 28.7 22.5 33.7

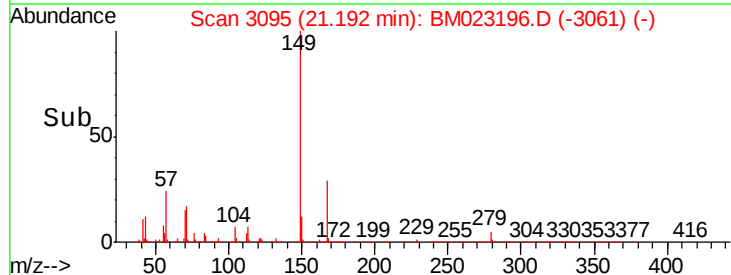
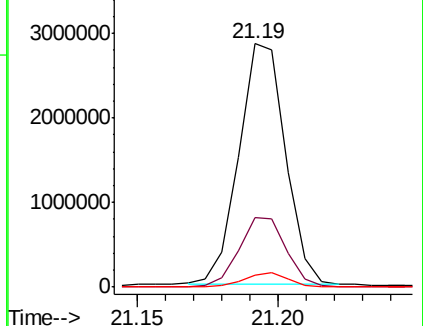
279 5.1 4.0 6.0

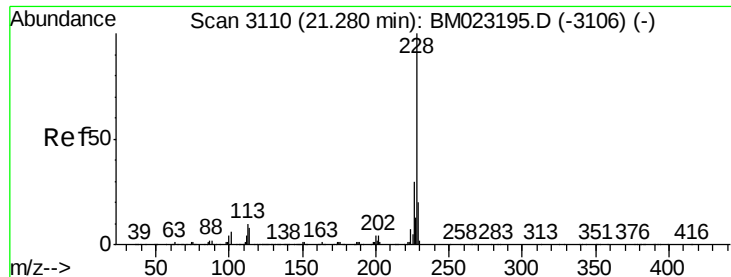


Abundance Ion 149.00 (148.70 to 149.70): E

4000000 Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 11.423 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

Instrument :

BNA_M

ClientSampleId :

BEP72DL

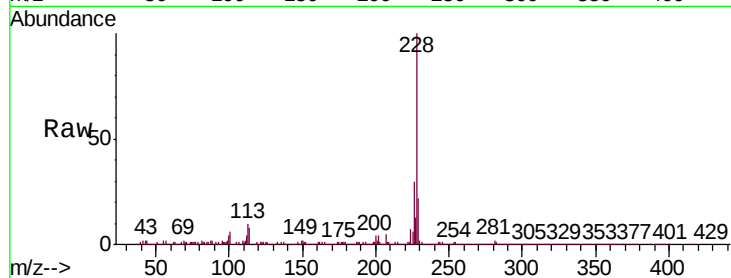
Tgt Ion:228 Resp: 1494999

Ion Ratio Lower Upper

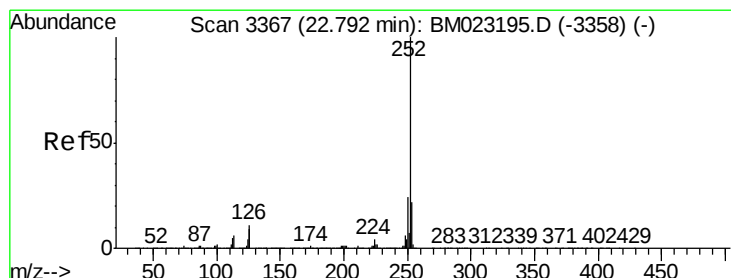
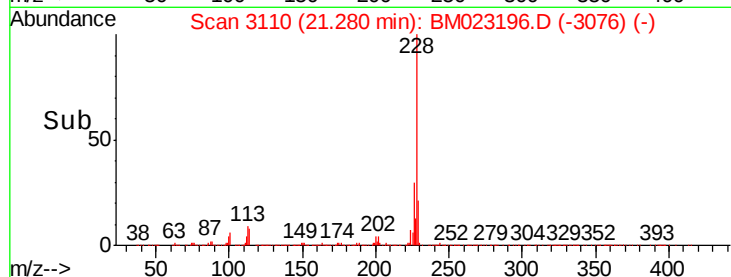
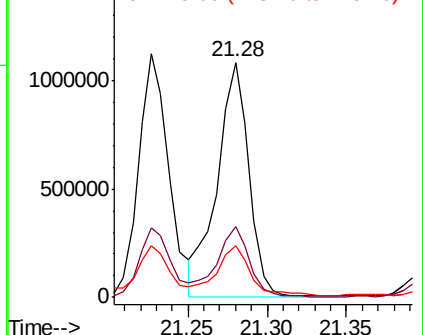
228 100

226 30.0 23.8 35.6

229 21.7 15.5 23.3



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: 12.908 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

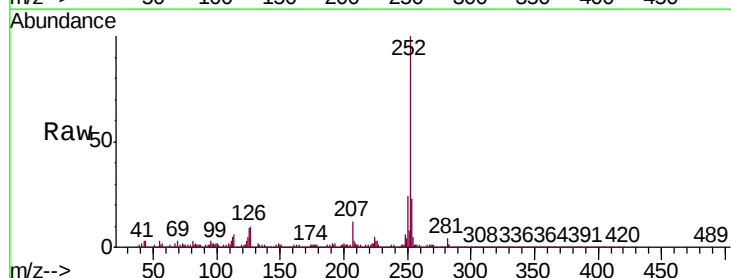
Tgt Ion:252 Resp: 1979447

Ion Ratio Lower Upper

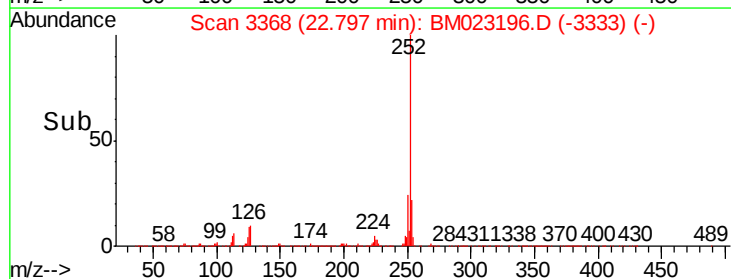
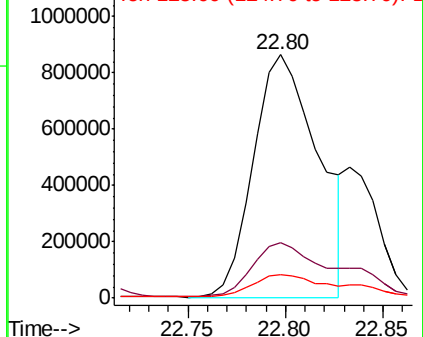
252 100

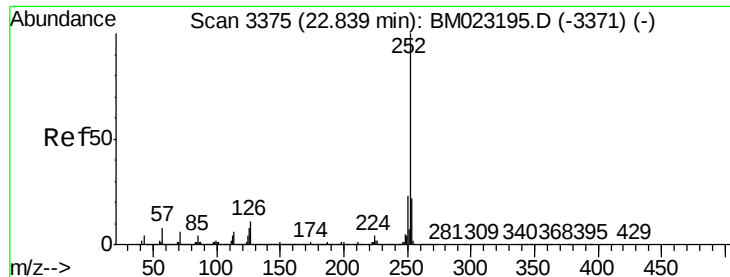
253 22.8 17.6 26.4

125 9.5 6.4 9.6



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





#89

Benzo(k)fluoranthene

Concen: 13.443 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.04 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

Instrument :

BNA_M

ClientSampleId :

BEP72DL

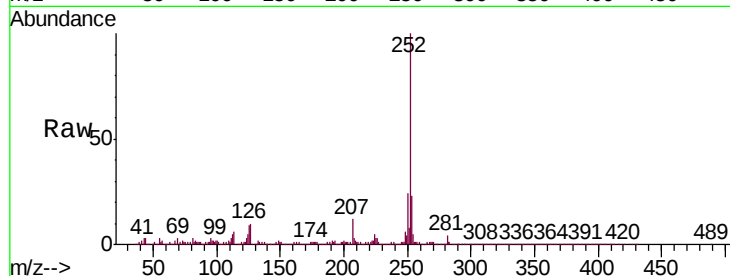
Tgt Ion:252 Resp: 1979447

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

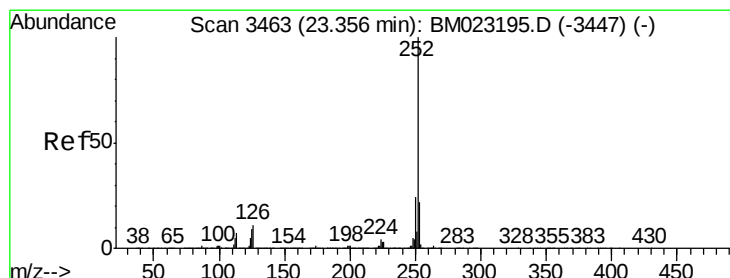
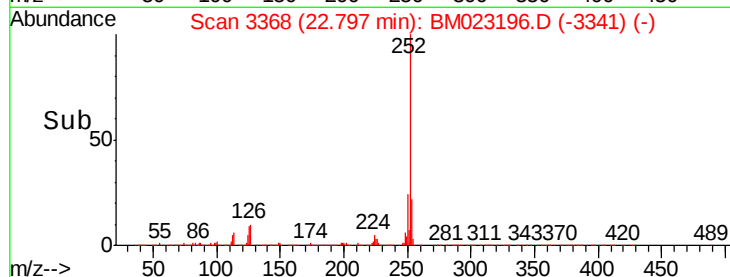
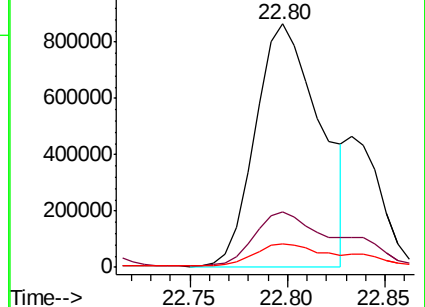
125 9.5 6.5 9.7



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

Benzo(a)pyrene

Concen: 9.786 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. 0.00 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

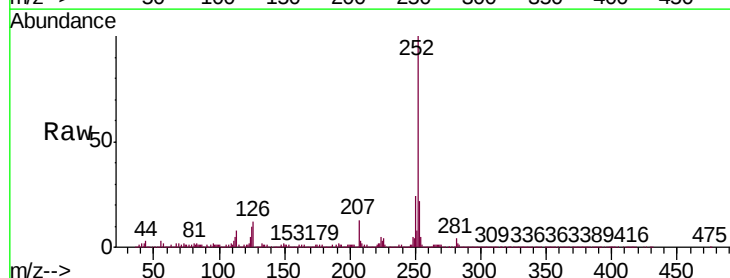
Tgt Ion:252 Resp: 1439836

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

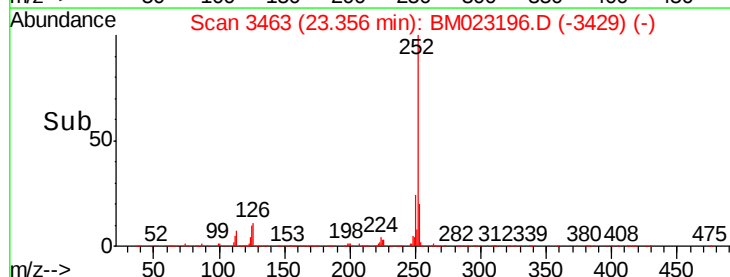
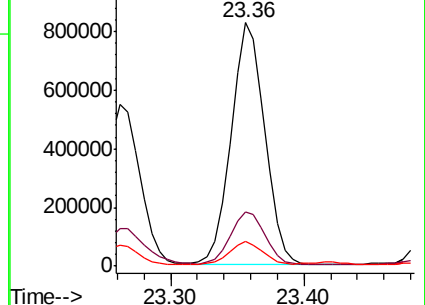
125 10.2 7.4 11.0

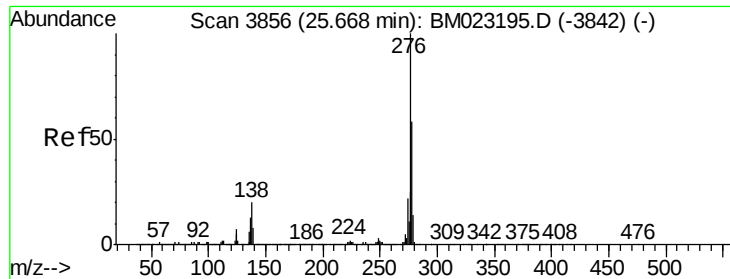


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.545 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

Instrument :

BNA_M

ClientSampleId :

BEP72DL

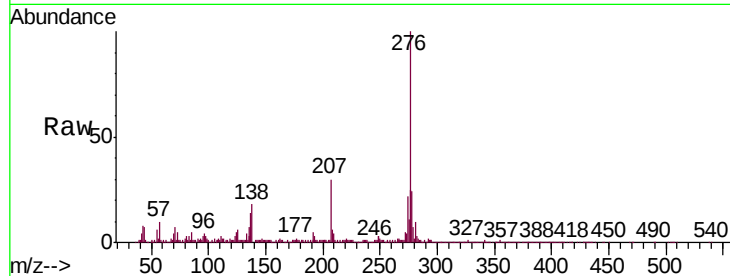
Tgt Ion:276 Resp: 970518

Ion Ratio Lower Upper

276 100

138 18.2 14.9 22.3

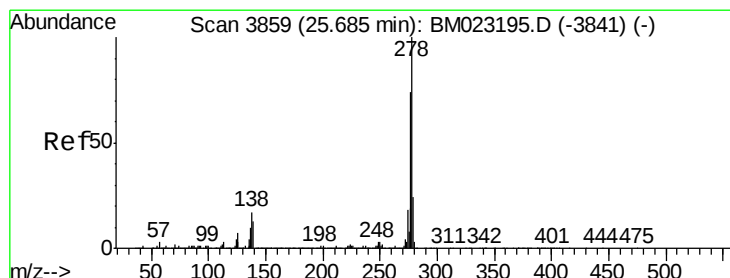
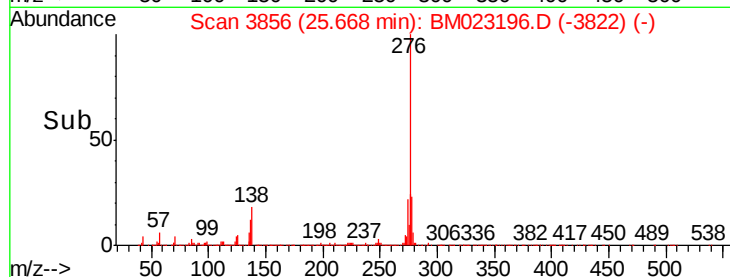
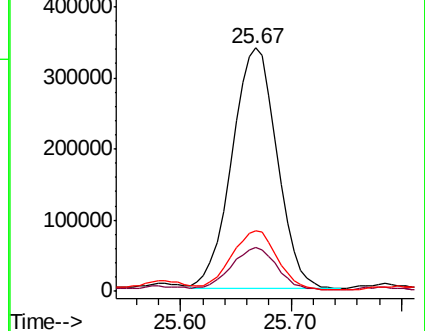
277 25.0 19.8 29.8



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

Dibenzo(a,h)anthracene

Concen: 1.845 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. -0.01 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

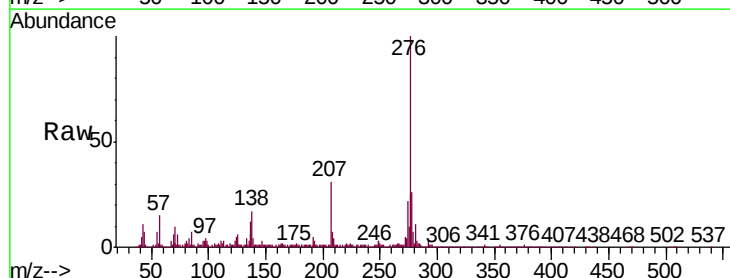
Tgt Ion:278 Resp: 269958

Ion Ratio Lower Upper

278 100

139 16.4 10.0 15.0#

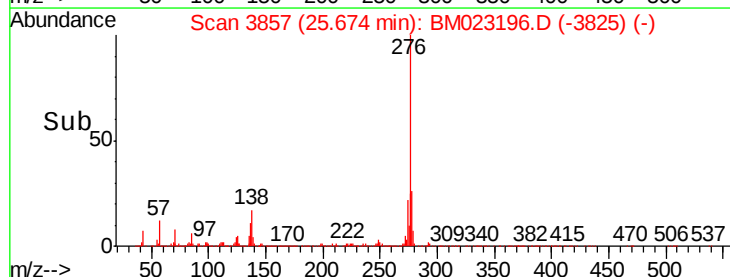
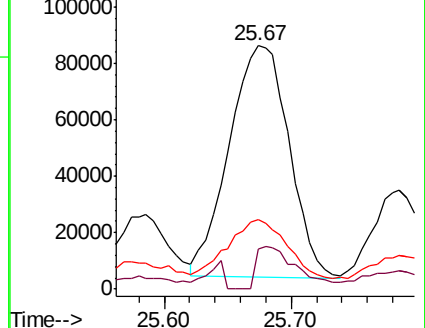
279 28.6 19.4 29.0

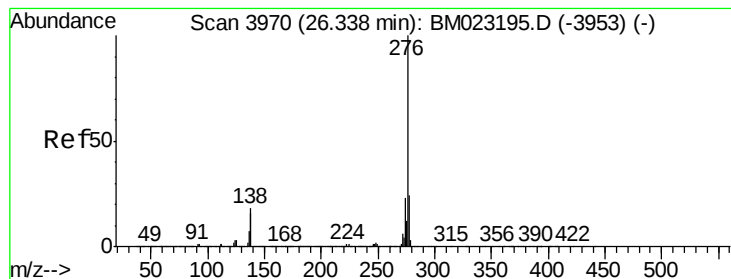


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 6.602 ng/ul

RT: 26.34 min Scan# 3970

Delta R.T. 0.00 min

Lab File: BM023196.D

Acq: 16 Oct 2019 18:33

Instrument :

BNA_M

ClientSampleId :

BEP72DL

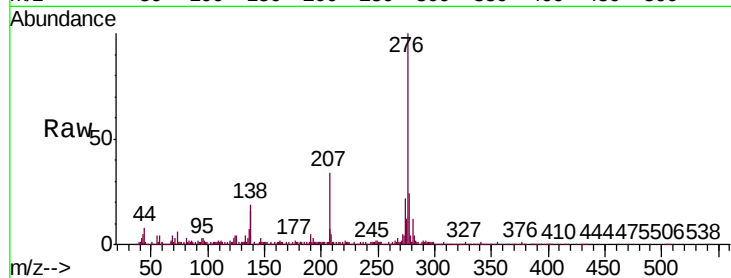
Tgt Ion: 276 Resp: 951440

Ion Ratio Lower Upper

276 100

138 18.9 14.4 21.6

277 24.2 19.4 29.2



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

