

Data File : BM023245.D
Acq On : 18 Oct 2019 07:04
Operator : JU
Sample : K5235-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPB6

Quant Time: Oct 18 07:53:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 18 07:48:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	413290	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1568558	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	948169	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1905953	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1918626	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2421157	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	26372	2.81	ng/uL	0.00
5) Phenol-d5	6.83	99	479214	13.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	300675	14.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	422530	15.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	359103	12.42	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	205617	19.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	226095	22.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	420903	16.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	381333	12.20	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1332358	18.34	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1560313	18.31	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	127571	10.85	ng/ul	0.00
58) Fluorene-d10	15.30	176	1204142	19.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	112807	14.93	ng/ul	0.00
71) Anthracene-d10	17.15	188	2078533	22.62	ng/ul	0.00
79) Pyrene-d10	19.45	212	2415272	25.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	3054201	24.89	ng/ul	0.00

Target Compounds

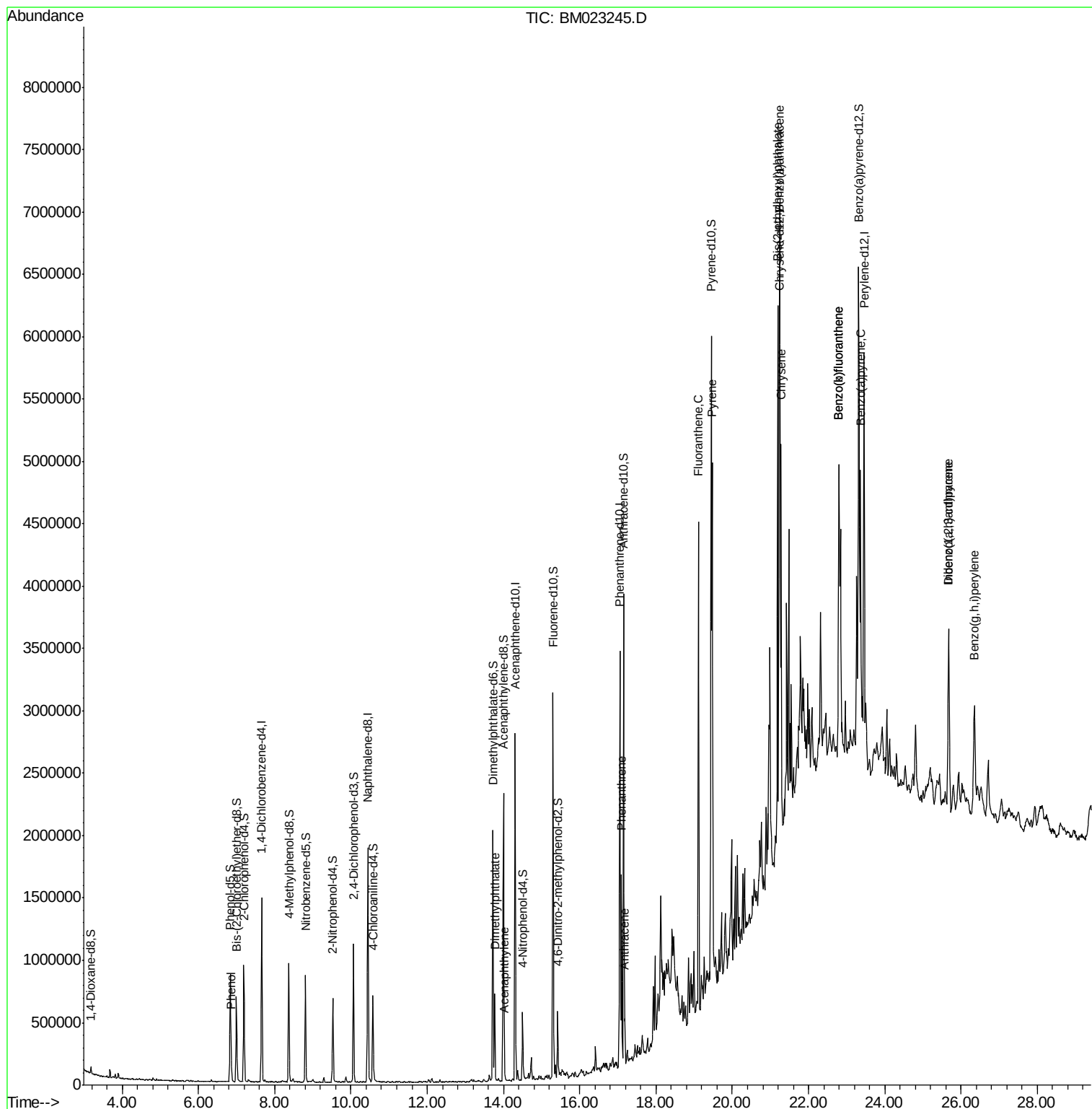
						Qvalue
6) Phenol	6.86	94	78560	2.116	ng/ul	97
45) Dimethylphthalate	13.77	163	436357	6.000	ng/ul	99
48) Acenaphthylene	14.03	152	88226	1.013	ng/ul	99
70) Phenanthrene	17.09	178	884592	8.270	ng/ul	99
72) Anthracene	17.18	178	231002	2.090	ng/ul	99
77) Fluoranthene	19.12	202	2365684	18.597	ng/ul	98
80) Pyrene	19.48	202	2650586	22.053	ng/ul	98
83) Benzo(a)anthracene	21.23	228	1663297	12.794	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.19	149	1591434	23.941	ng/ul	99
85) Chrysene	21.28	228	1704524	14.121	ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	2136824	14.556	ng/ul	98
89) Benzo(k)fluoranthene	22.80	252	2136824	15.160	ng/ul	97
91) Benzo(a)pyrene	23.36	252	1722454	12.230	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.67	276	1112316	6.639	ng/ul	97
93) Dibenzo(a,h)anthracene	25.69	278	326526	2.331	ng/ul#	91
94) Benzo(g,h,i)perylene	26.35	276	1108295	8.034	ng/ul	97

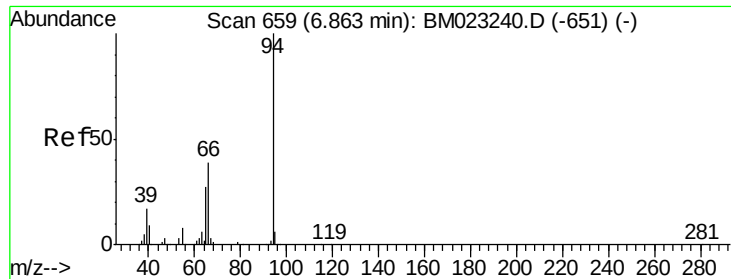
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.116 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

Instrument :

BNA_M

ClientSampleId :

BEPB6

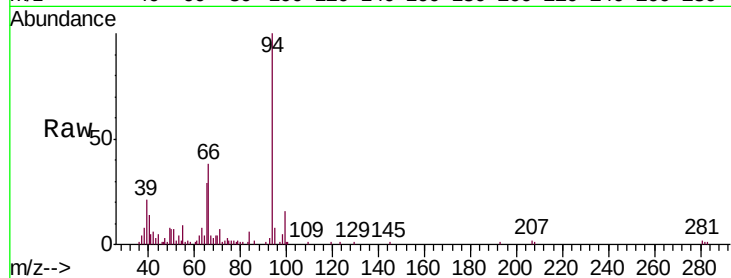
Tgt Ion: 94 Resp: 78560

Ion Ratio Lower Upper

94 100

65 29.0 23.7 35.5

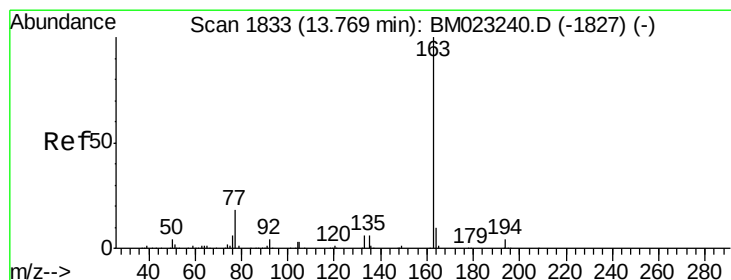
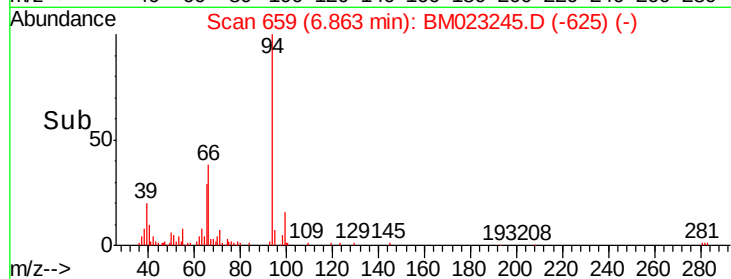
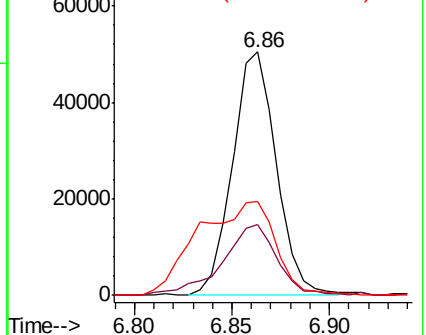
66 38.3 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023240.D (-651) (-)

Ion 65.00 (64.70 to 65.70): BM023240.D (-651) (-)

Ion 66.00 (65.70 to 66.70): BM023240.D (-651) (-)



#45

Dimethylphthalate

Concen: 6.000 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

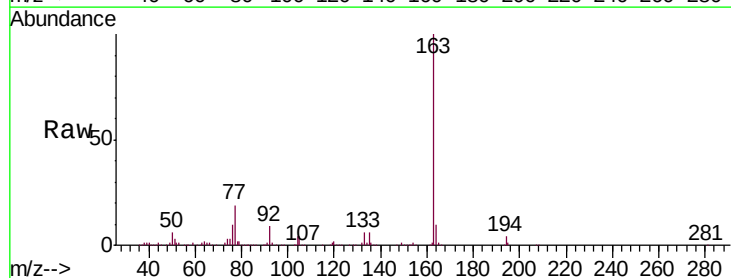
Tgt Ion: 163 Resp: 436357

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

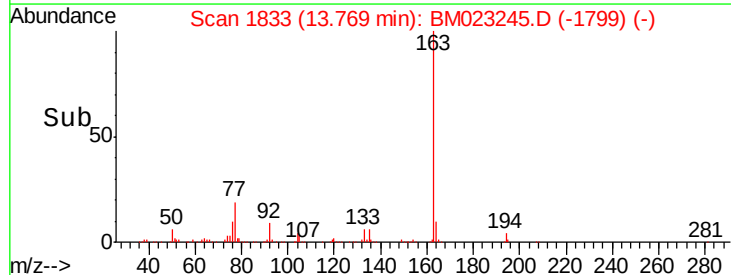
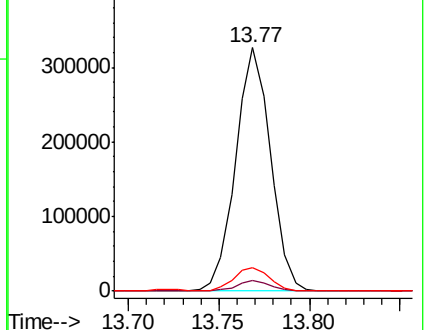
164 9.7 8.0 12.0

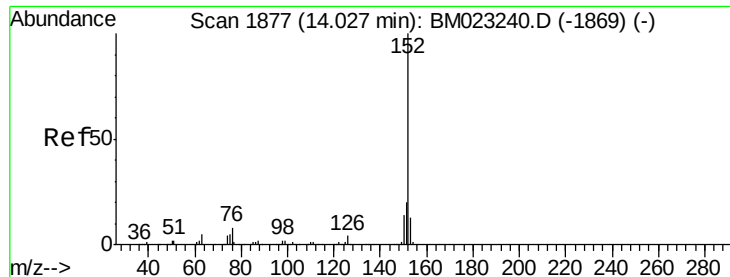


Abundance Ion 163.00 (162.70 to 163.70): BM023245.D (-1799) (-)

Ion 194.00 (193.70 to 194.70): BM023245.D (-1799) (-)

Ion 164.00 (163.70 to 164.70): BM023245.D (-1799) (-)





#48

Acenaphthylene

Concen: 1.013 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

Instrument :

BNA_M

ClientSampleId :

BEPB6

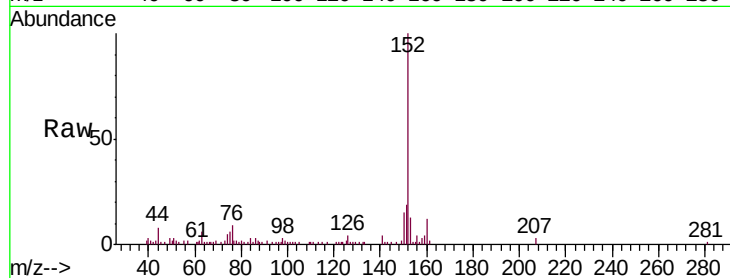
Tgt Ion:152 Resp: 88226

Ion Ratio Lower Upper

152 100

151 18.7 15.8 23.6

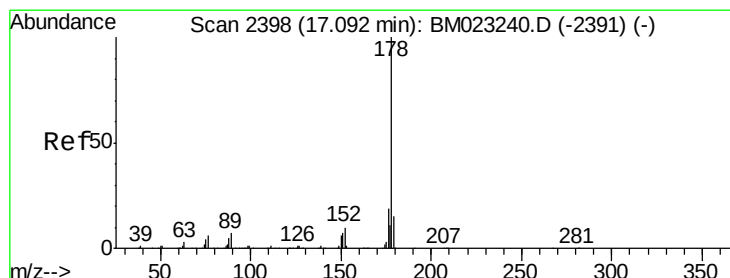
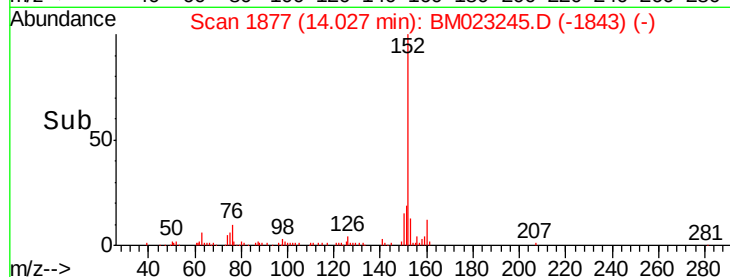
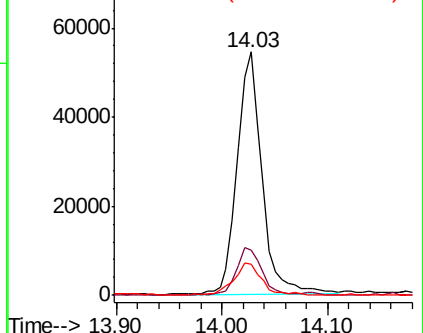
153 12.8 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#70

Phenanthrene

Concen: 8.270 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

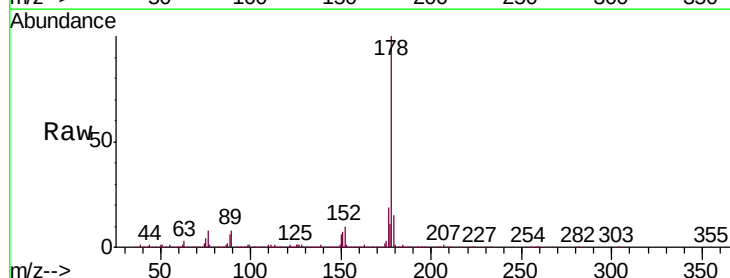
Tgt Ion:178 Resp: 884592

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

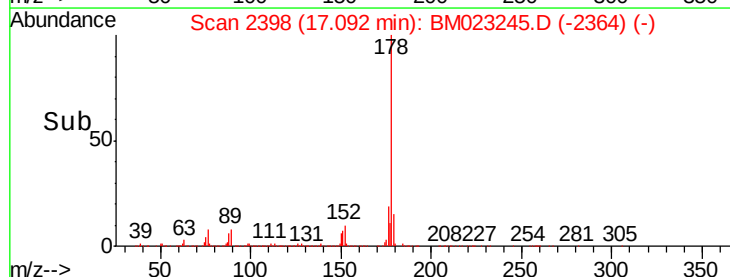
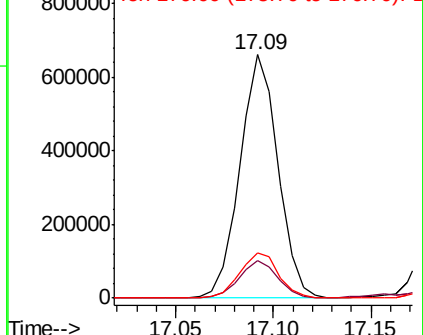
176 18.8 15.5 23.3

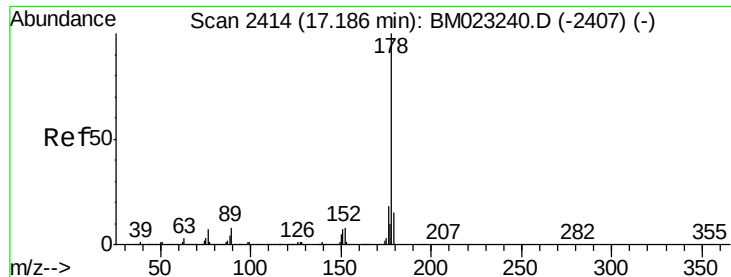


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.090 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

Instrument :

BNA_M

ClientSampleId :

BEPB6

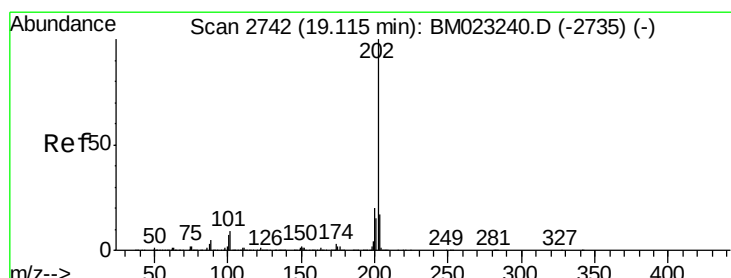
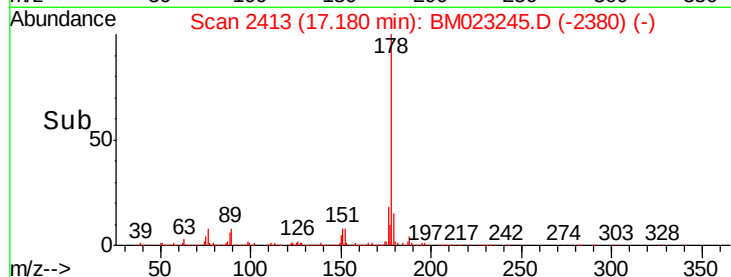
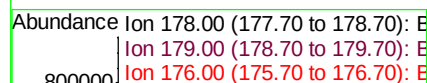
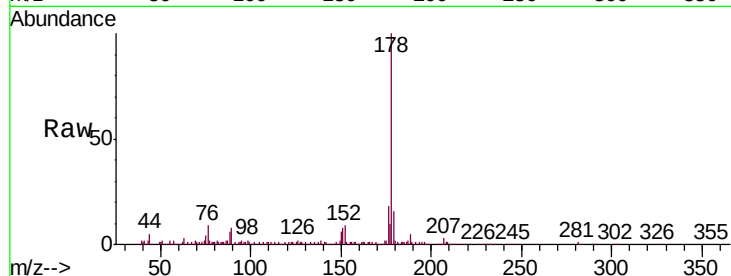
Tgt Ion:178 Resp: 231002

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 17.9 15.0 22.4



#77

Fluoranthene

Concen: 18.597 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. 0.00 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

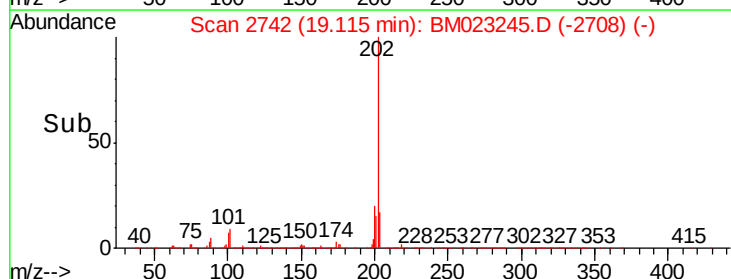
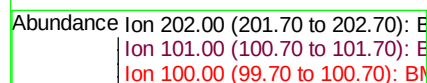
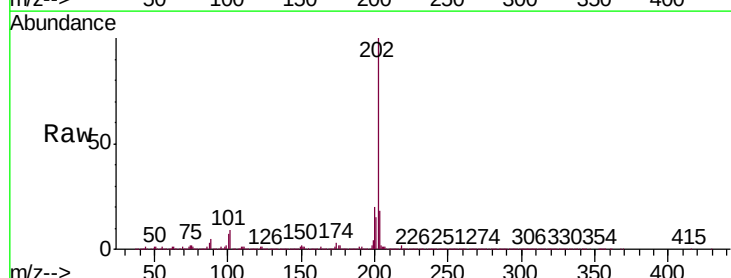
Tgt Ion:202 Resp: 2365684

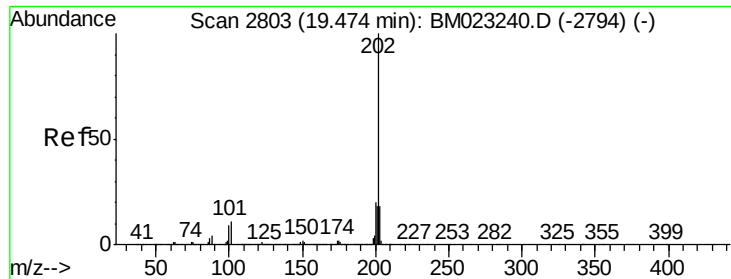
Ion Ratio Lower Upper

202 100

101 9.1 7.8 11.8

100 6.9 6.1 9.1

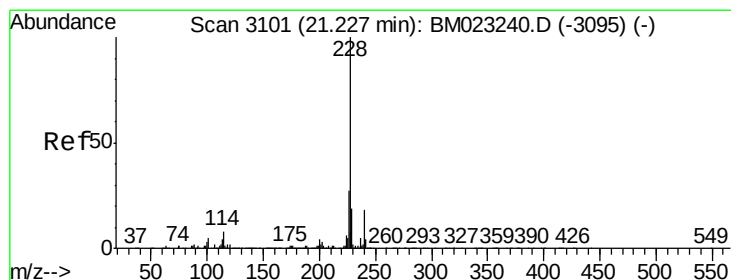
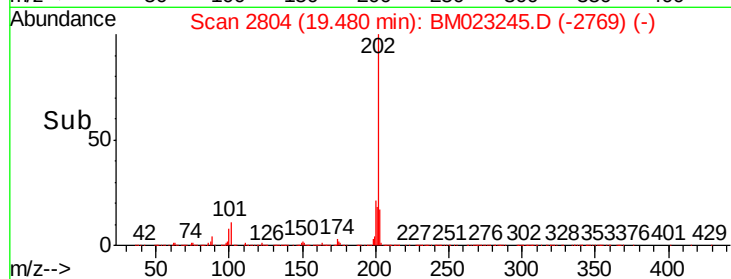
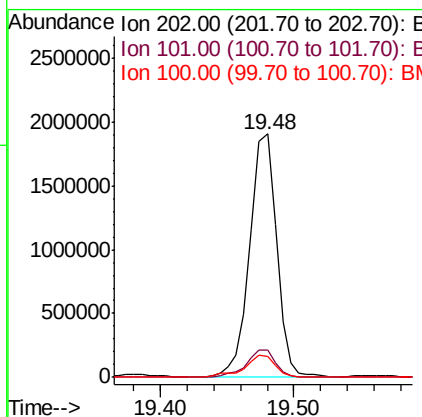
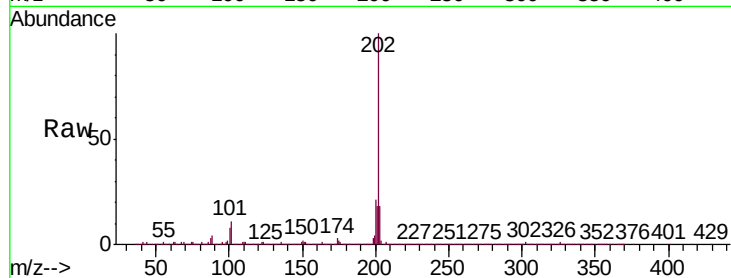




#80
 Pyrene
 Concen: 22.053 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023245.D
 Acq: 18 Oct 2019 07:04

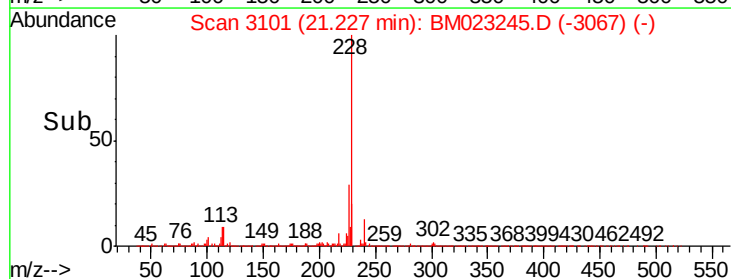
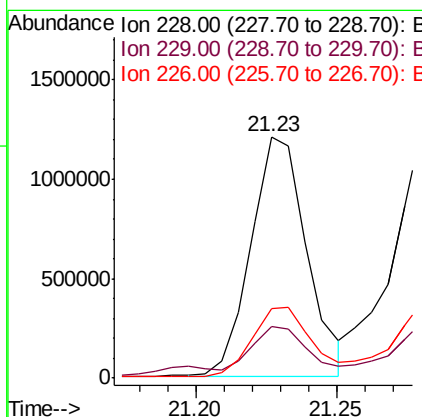
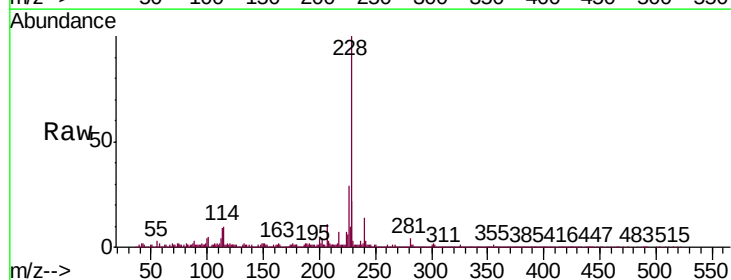
Instrument :
 BNA_M
 ClientSampled :
 BEPB6

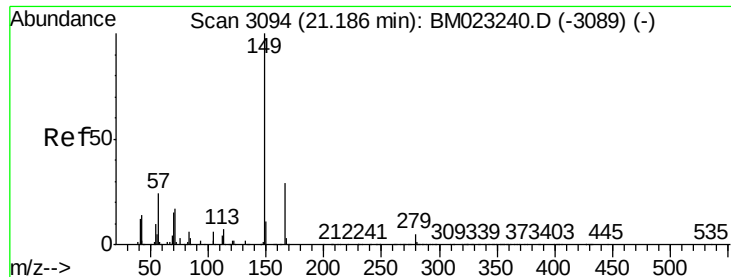
Tgt Ion:202 Resp: 2650586
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.1 13.7
 100 8.3 7.5 11.3



#83
 Benzo(a)anthracene
 Concen: 12.794 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. 0.00 min
 Lab File: BM023245.D
 Acq: 18 Oct 2019 07:04

Tgt Ion:228 Resp: 1663297
 Ion Ratio Lower Upper
 228 100
 229 21.5 15.7 23.5
 226 29.0 21.6 32.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 23.941 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

Instrument :

BNA_M

ClientSampleId :

BEPB6

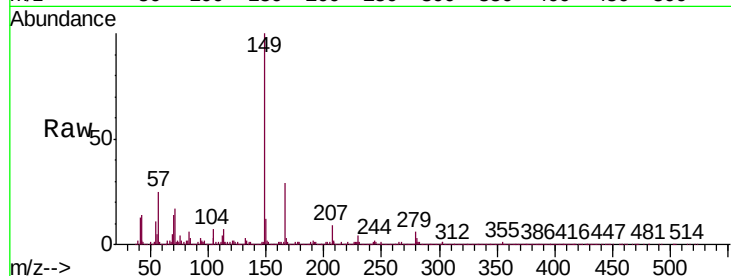
Tgt Ion:149 Resp: 1591434

Ion Ratio Lower Upper

149 100

167 28.7 22.5 33.7

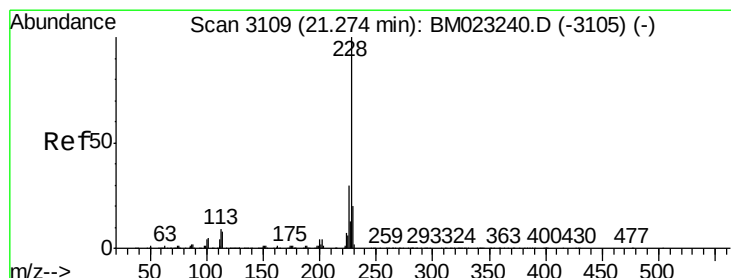
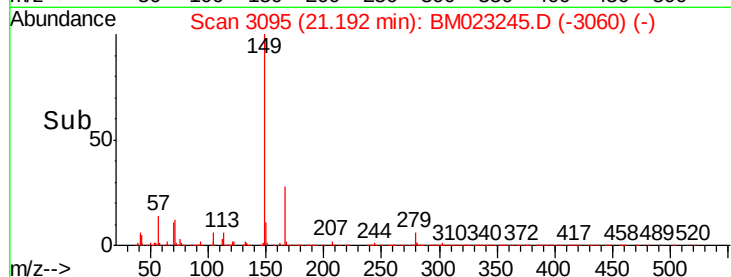
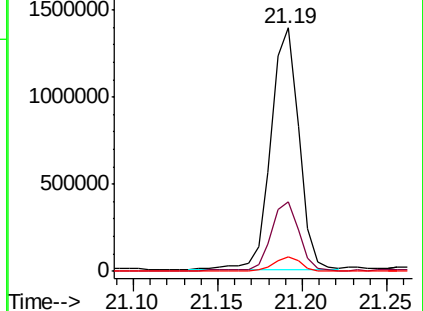
279 5.9 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 14.121 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.01 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

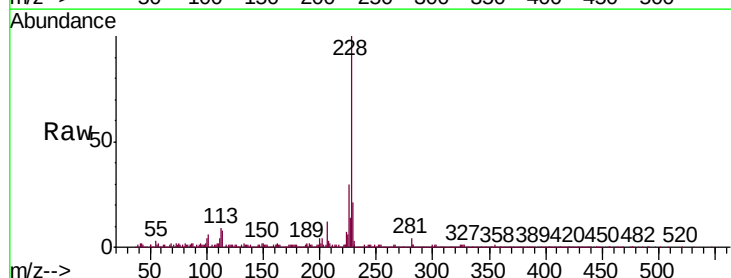
Tgt Ion:228 Resp: 1704524

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

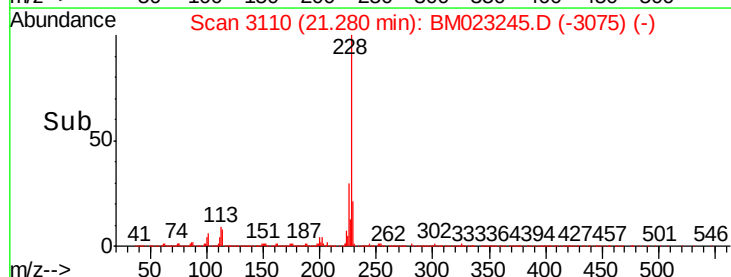
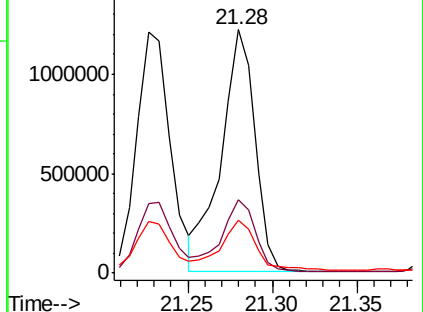
229 21.5 15.5 23.3

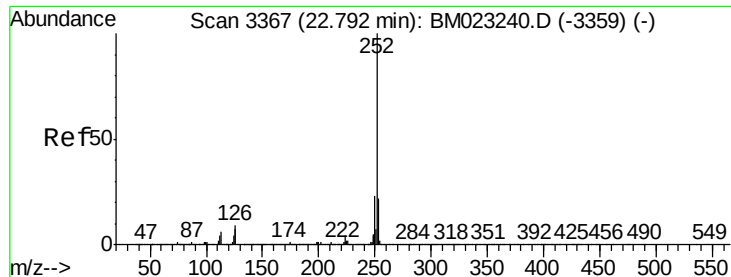


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 14.556 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. 0.01 min

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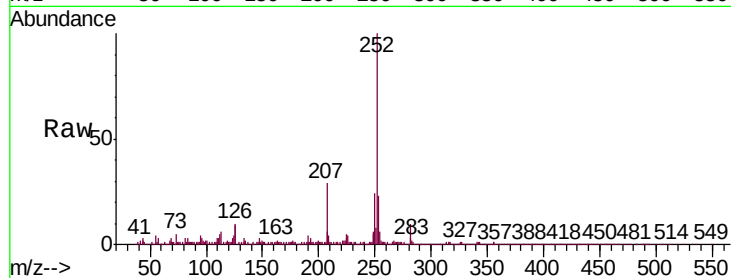
Tgt Ion:252 Resp: 2136824

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

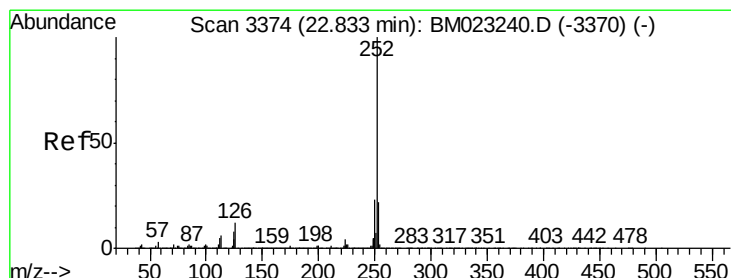
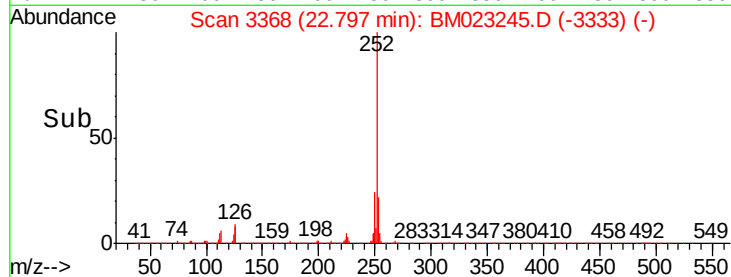
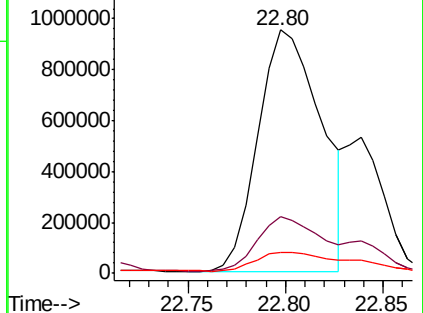
125 8.8 6.4 9.6



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: 15.160 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.04 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

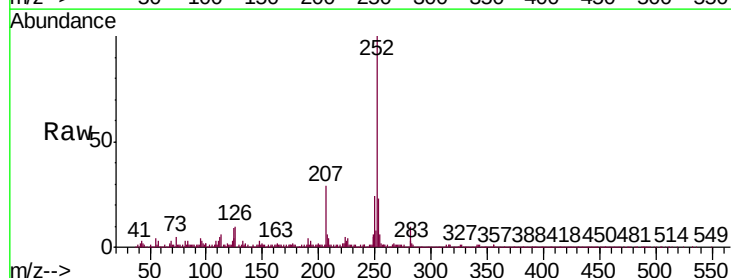
Tgt Ion:252 Resp: 2136824

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

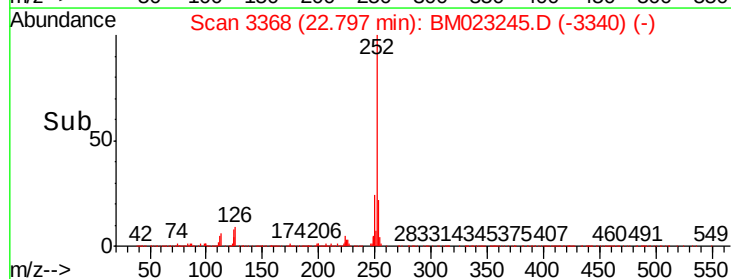
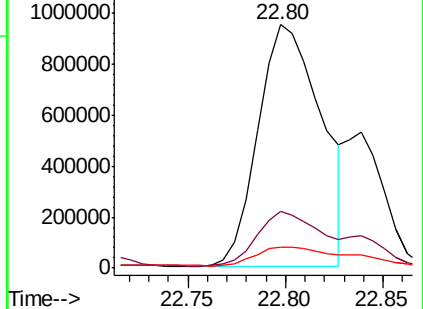
125 8.8 6.5 9.7

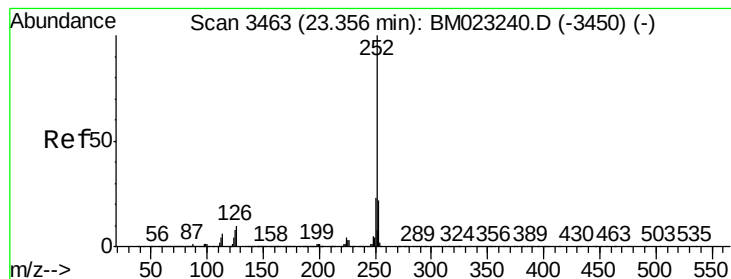


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 12.230 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

Instrument :

BNA_M

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BEPB6

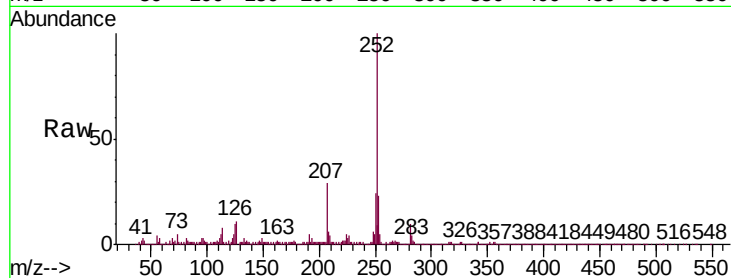
Tgt Ion:252 Resp: 1722454

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

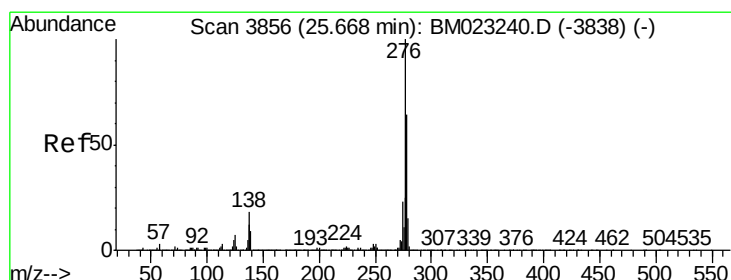
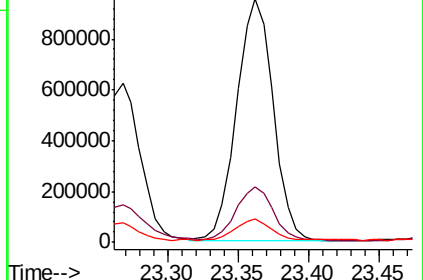
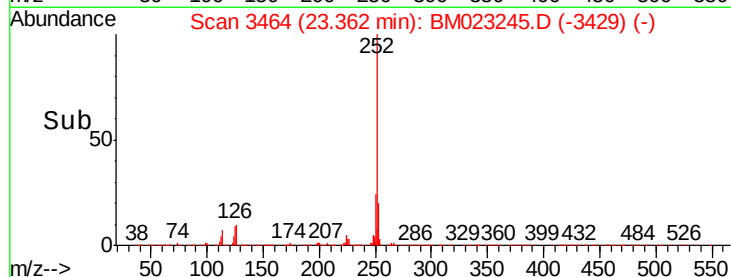
125 9.8 7.4 11.0



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: 6.639 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. 0.01 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

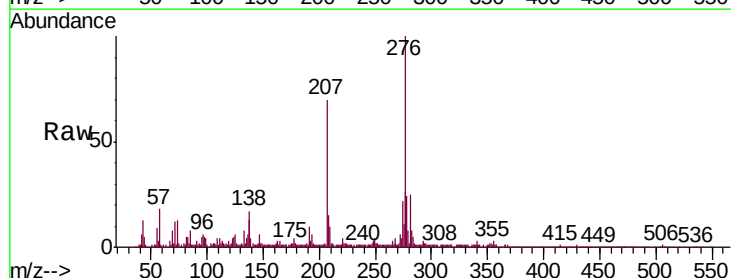
Tgt Ion:276 Resp: 1112316

Ion Ratio Lower Upper

276 100

138 16.6 14.9 22.3

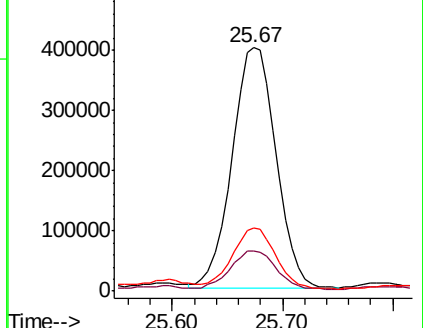
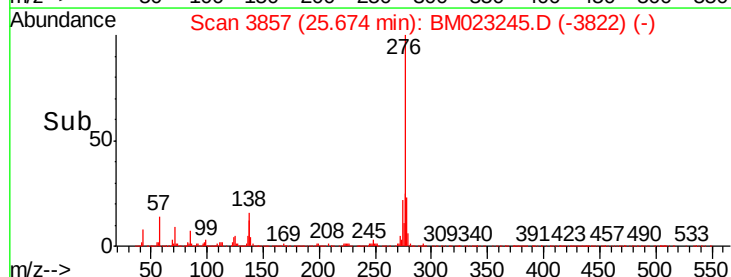
277 25.7 19.8 29.8

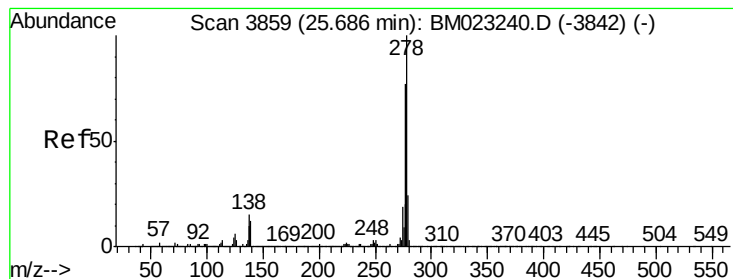


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.331 ng/ul

RT: 25.69 min Scan# 3859

Delta R.T. 0.00 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

Instrument :

BNA_M

ClientSampleId :

BEPB6

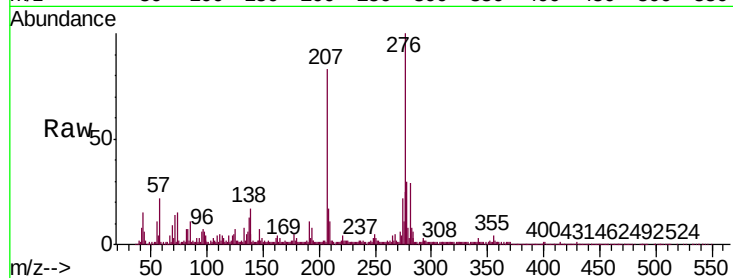
Tgt Ion:278 Resp: 326526

Ion Ratio Lower Upper

278 100

139 16.7 10.0 15.0#

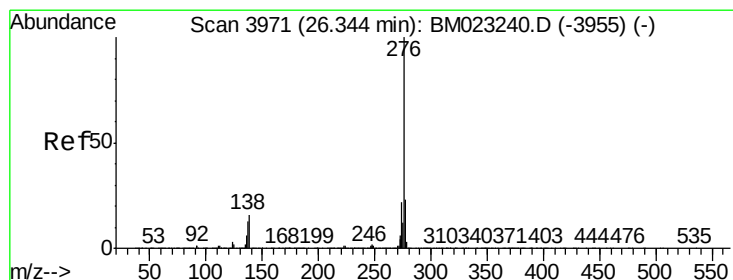
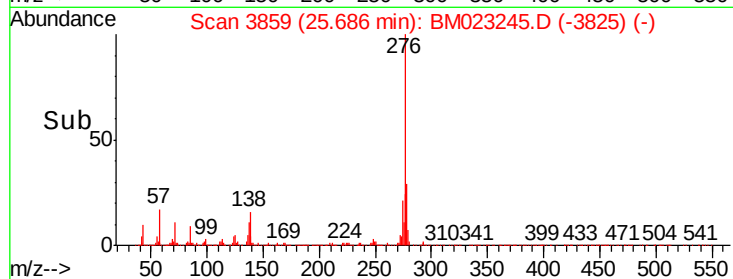
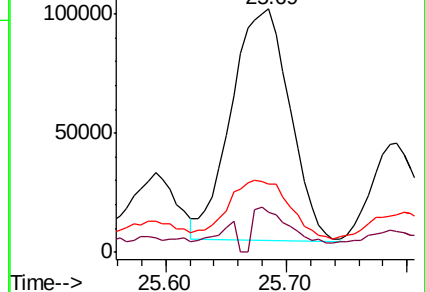
279 28.3 19.4 29.0



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: 8.034 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. 0.01 min

Lab File: BM023245.D

Acq: 18 Oct 2019 07:04

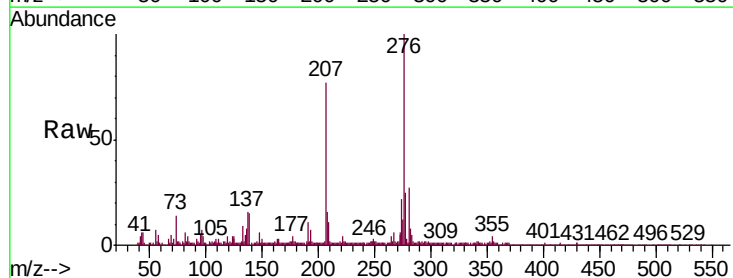
Tgt Ion:276 Resp: 1108295

Ion Ratio Lower Upper

276 100

138 15.2 14.4 21.6

277 24.7 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

