

Data File : BM023227.D
Acq On : 17 Oct 2019 19:42
Operator : JU
Sample : K5236-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPM1

Quant Time: Oct 18 06:55:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 18 06:52:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	277760	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1091935	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	666515	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1328180	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	1361561	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	1700672	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	30250	4.79	ng/uL	0.00
5) Phenol-d5	6.84	99	550712	22.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	320229	23.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	460074	24.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	421483	21.69	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	213769	28.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	239948	34.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	475785	26.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	486006	22.33	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1419118	27.78	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1662841	27.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.51	143	184179	22.27	ng/ul	0.00
58) Fluorene-d10	15.30	176	1227818	28.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.38	200	2455	0.47	ng/ul	-0.05
71) Anthracene-d10	17.16	188	1968079	30.73	ng/ul	0.00
79) Pyrene-d10	19.45	212	2292121	34.76	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2859653	33.17	ng/ul	0.00

Target Compounds

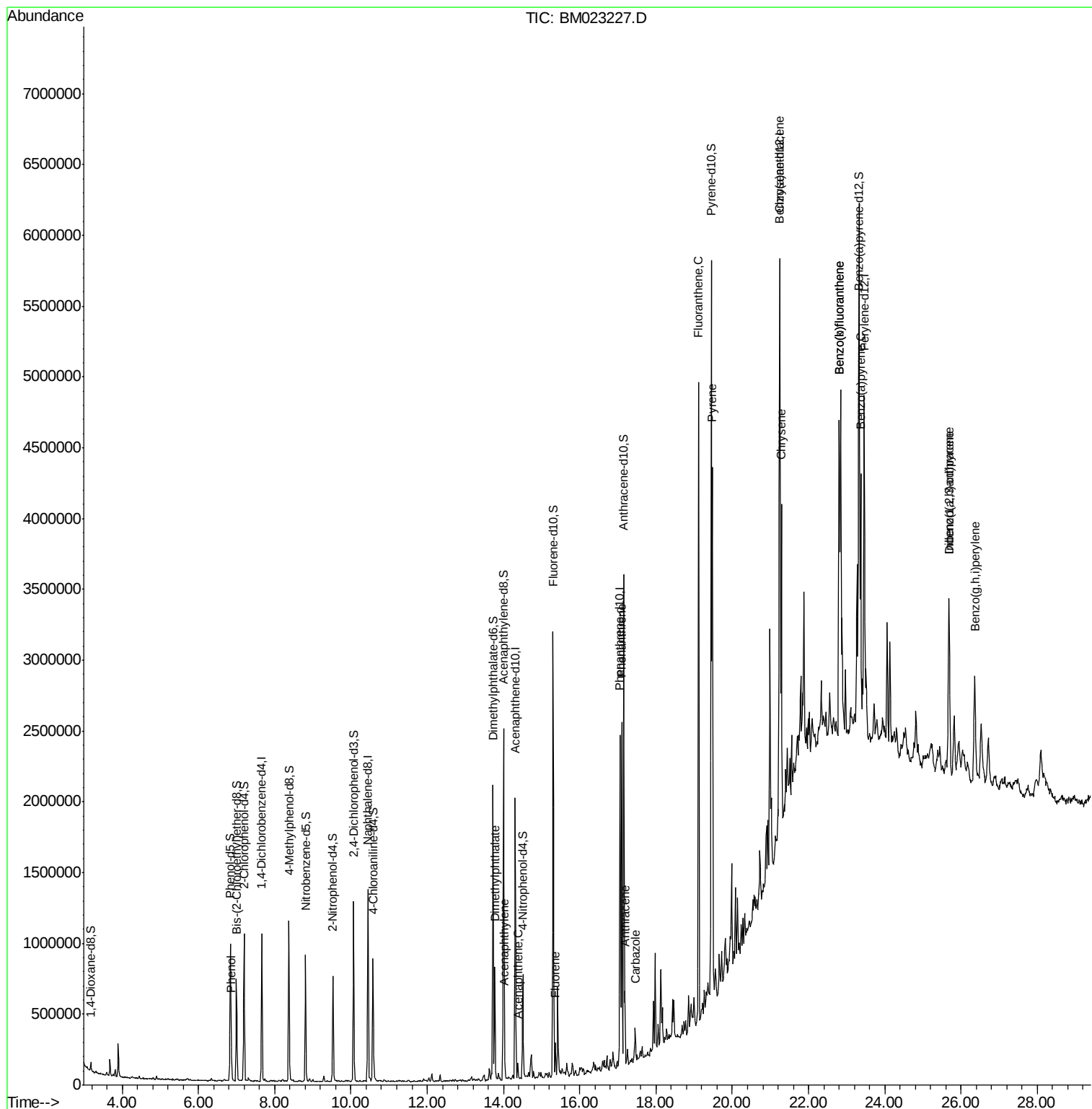
					Qvalue	
6) Phenol	6.86	94	95325	3.821	ng/ul	96
45) Dimethylphthalate	13.77	163	529015	10.348	ng/ul	100
48) Acenaphthylene	14.03	152	138732	2.265	ng/ul	96
50) Acenaphthene	14.37	153	42918	1.006	ng/ul	97
59) Fluorene	15.36	166	92071	1.853	ng/ul	98
70) Phenanthrene	17.10	178	1457788	19.558	ng/ul	99
72) Anthracene	17.19	178	316551	4.110	ng/ul	99
75) Carbazole	17.46	167	144462	2.099	ng/ul	100
77) Fluoranthene	19.12	202	2831646	31.943	ng/ul	100
80) Pyrene	19.48	202	2268857	26.600	ng/ul	100
83) Benzo(a)anthracene	21.23	228	1364717	14.793	ng/ul	96
85) Chrysene	21.29	228	1344646	15.697	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	2009356	19.487	ng/ul	98
89) Benzo(k)fluoranthene	22.80	252	2009356	20.294	ng/ul	98
91) Benzo(a)pyrene	23.37	252	1381293	13.963	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.68	276	1014436	8.620	ng/ul	98
93) Dibenzo(a,h)anthracene	25.69	278	279306	2.838	ng/ul#	88
94) Benzo(g,h,i)perylene	26.36	276	905260	9.343	ng/ul	98

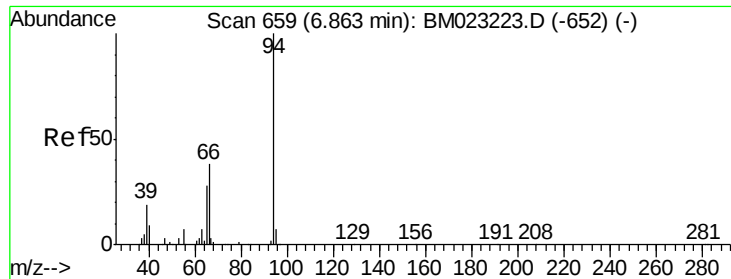
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.821 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

Instrument :

BNA_M

ClientSampleId :

BEPM1

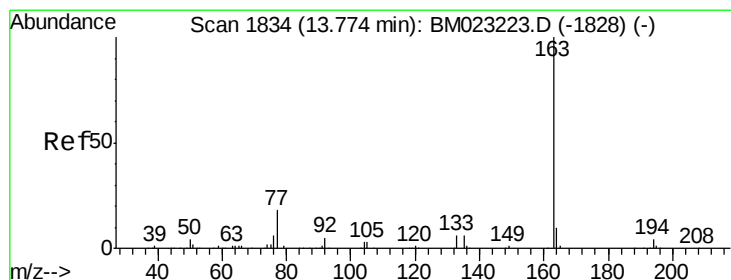
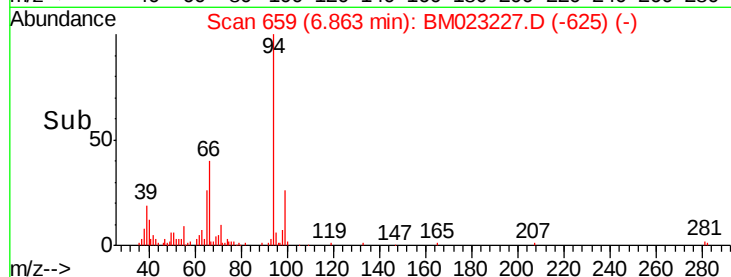
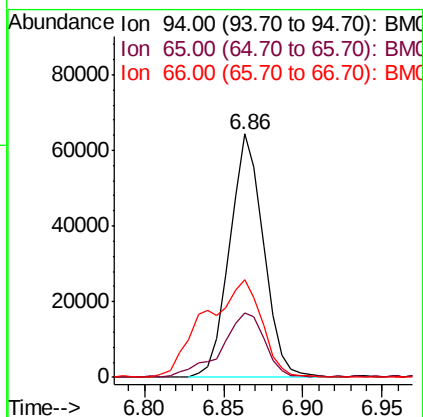
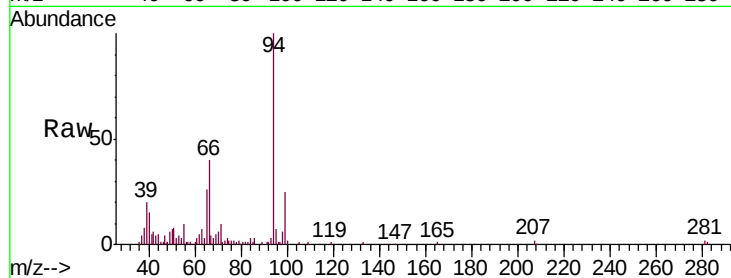
Tgt Ion: 94 Resp: 95325

Ion Ratio Lower Upper

94 100

65 26.3 23.7 35.5

66 40.0 32.9 49.3



#45

Dimethylphthalate

Concen: 10.348 ng/ul

RT: 13.77 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

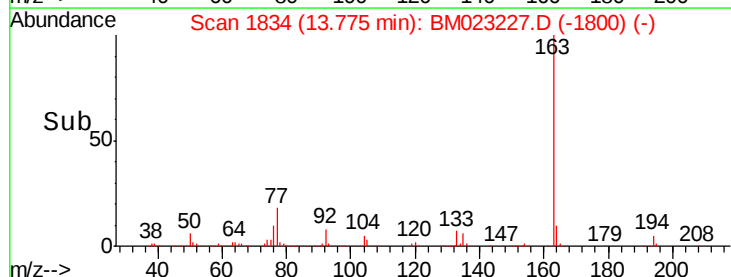
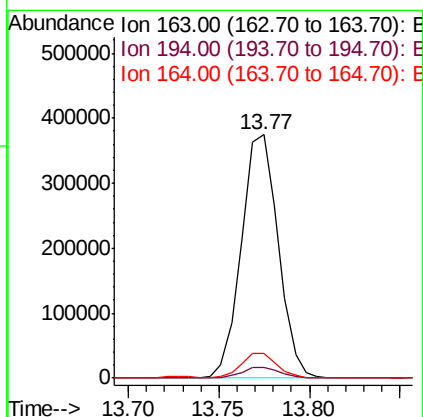
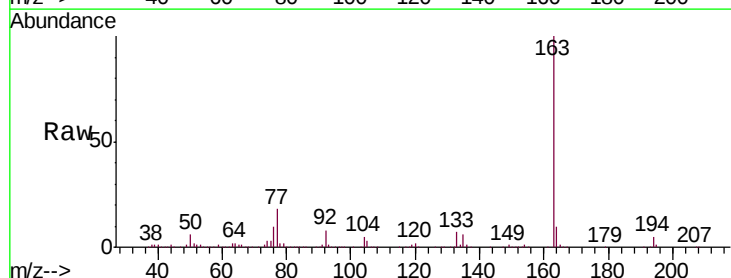
Tgt Ion: 163 Resp: 529015

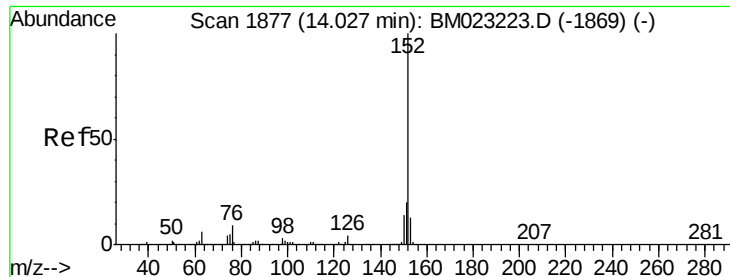
Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

164 9.9 8.0 12.0





#48

Acenaphthylene

Concen: 2.265 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

Instrument :

BNA_M

ClientSampleId :

BEPM1

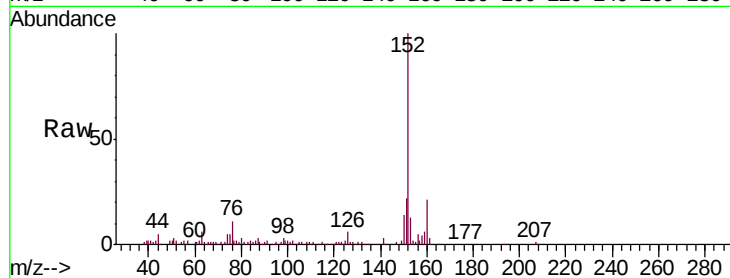
Tgt Ion:152 Resp: 138732

Ion Ratio Lower Upper

152 100

151 22.3 15.8 23.6

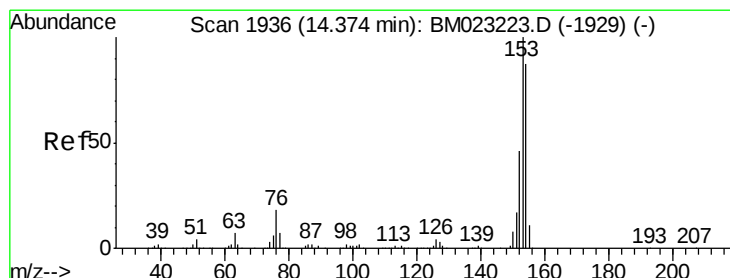
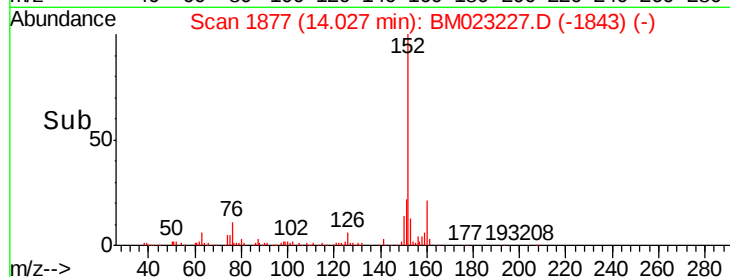
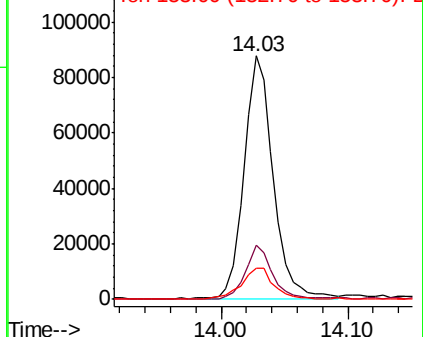
153 13.1 10.3 15.5



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



#50

Acenaphthene

Concen: 1.006 ng/ul

RT: 14.37 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

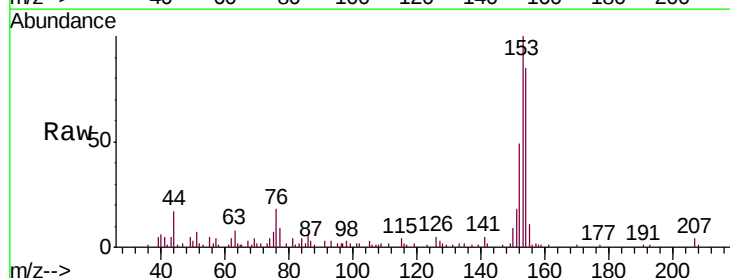
Tgt Ion:153 Resp: 42918

Ion Ratio Lower Upper

153 100

152 48.7 38.0 57.0

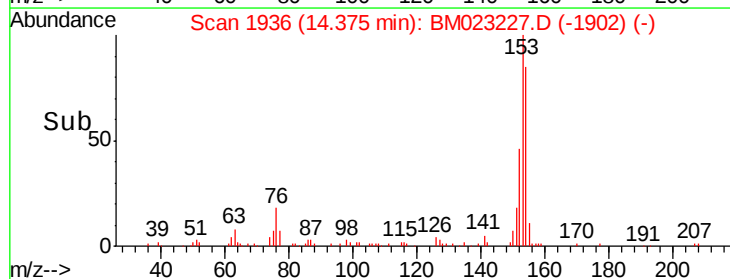
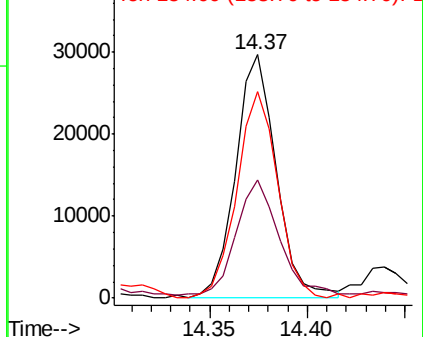
154 84.6 70.4 105.6

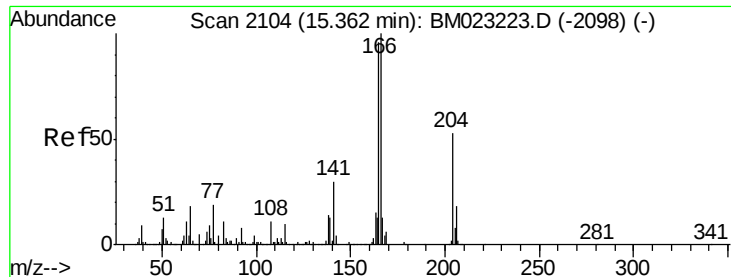


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 1.853 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

Instrument :

BNA_M

ClientSampleId :

BEPM1

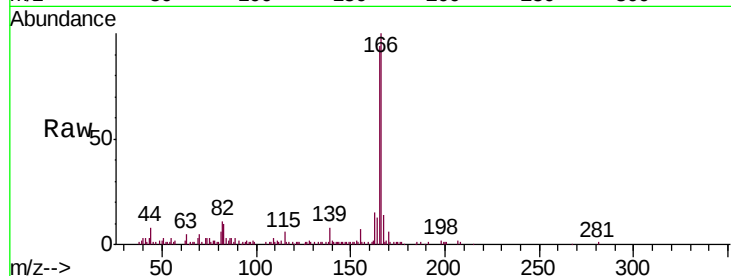
Tgt Ion:166 Resp: 92071

Ion Ratio Lower Upper

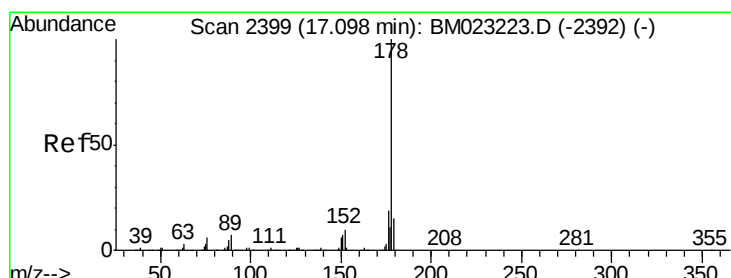
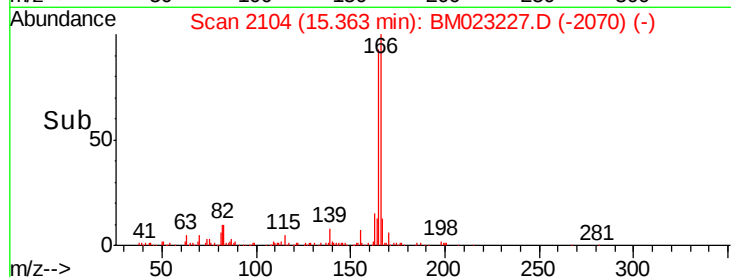
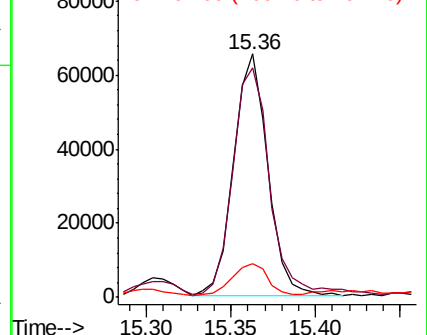
166 100

165 94.1 77.4 116.0

167 14.0 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 19.558 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

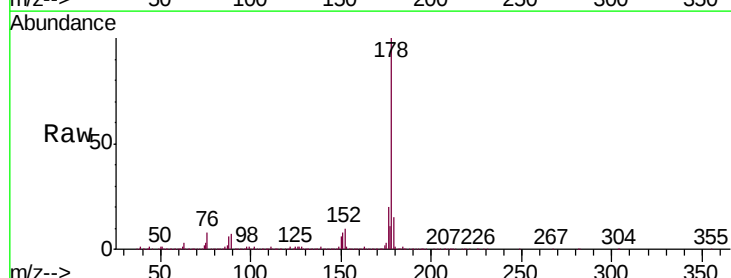
Tgt Ion:178 Resp: 1457788

Ion Ratio Lower Upper

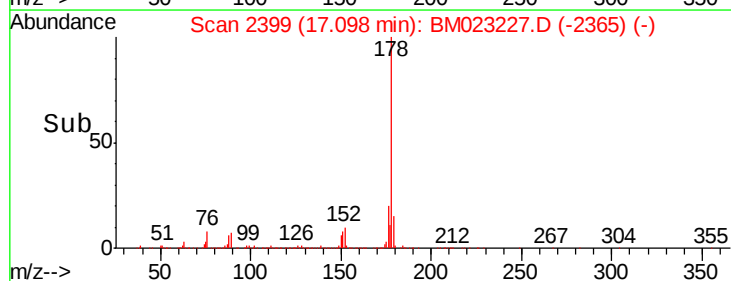
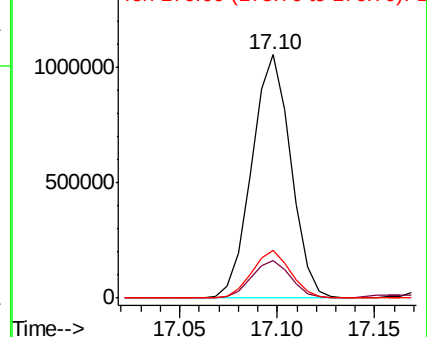
178 100

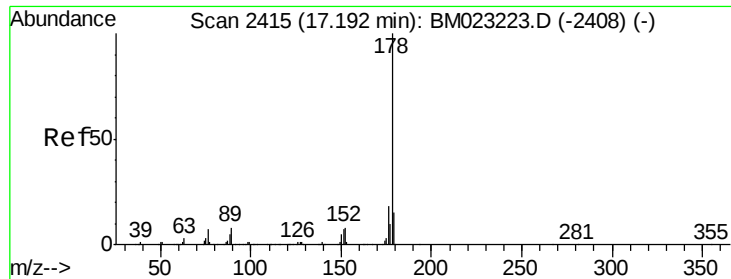
179 15.5 12.3 18.5

176 19.8 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: 4.110 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

Instrument :

BNA_M

ClientSampleId :

BEPM1

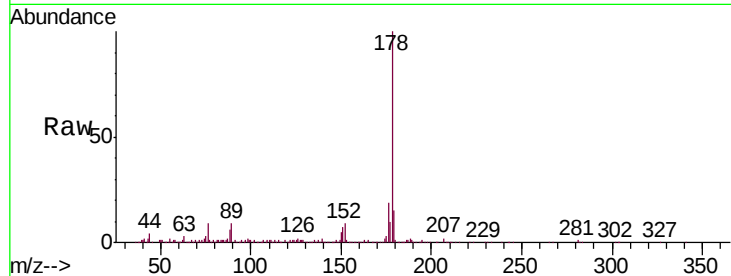
Tgt Ion:178 Resp: 316551

Ion Ratio Lower Upper

178 100

179 14.9 12.3 18.5

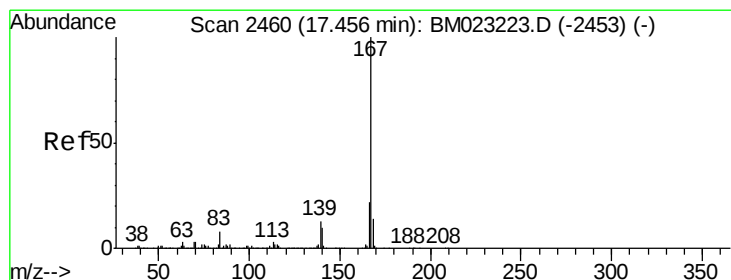
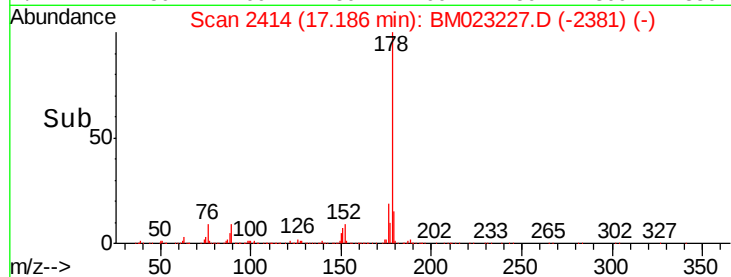
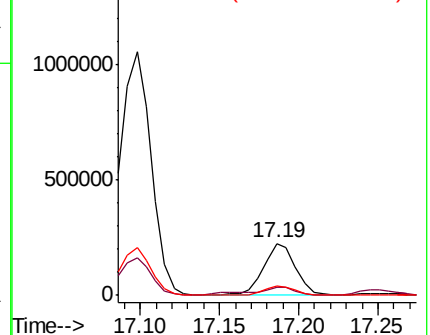
176 19.0 15.0 22.4



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



#75

Carbazole

Concen: 2.099 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

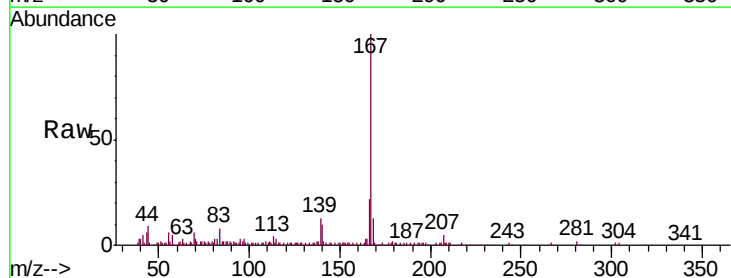
Tgt Ion:167 Resp: 144462

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.0

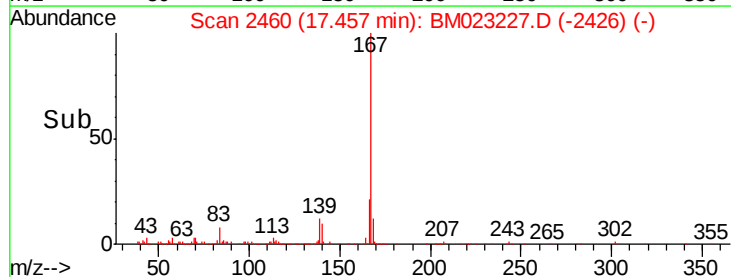
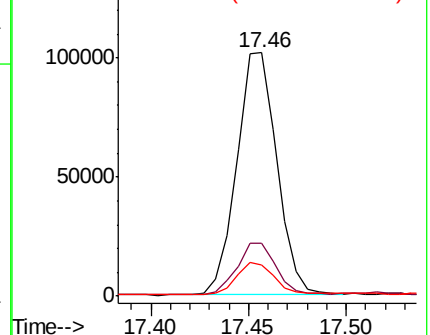
139 12.5 10.2 15.2

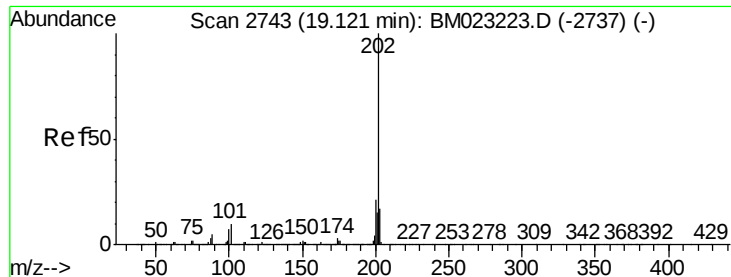


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

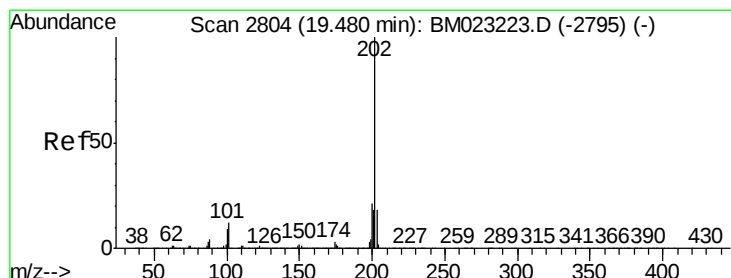
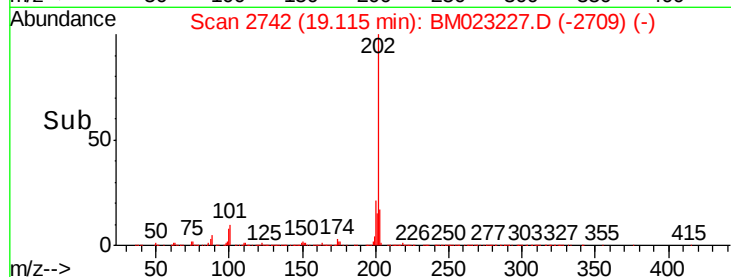
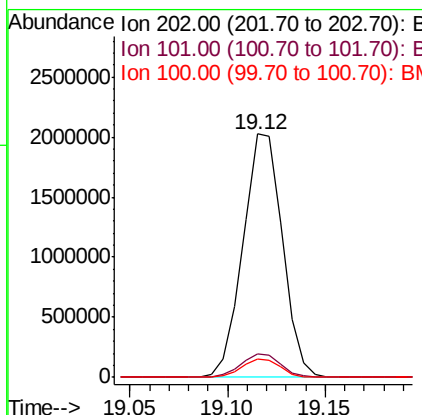
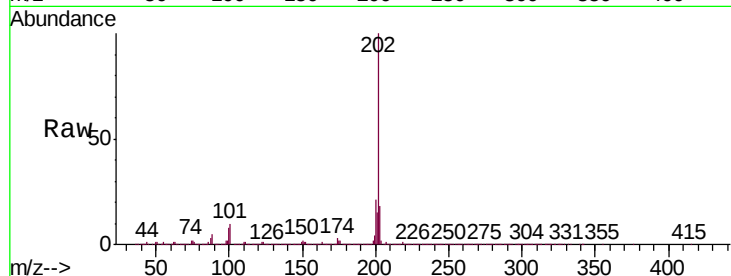




#77
Fluoranthene
Concen: 31.943 ng/ul
RT: 19.12 min Scan# 2742
Delta R.T. -0.01 min
Lab File: BM023227.D
Acq: 17 Oct 2019 19:42

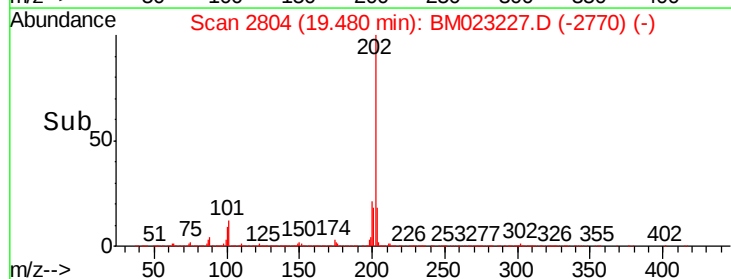
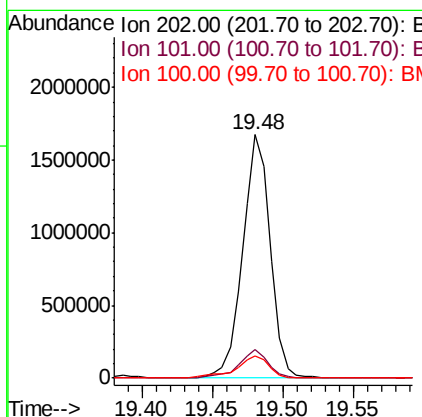
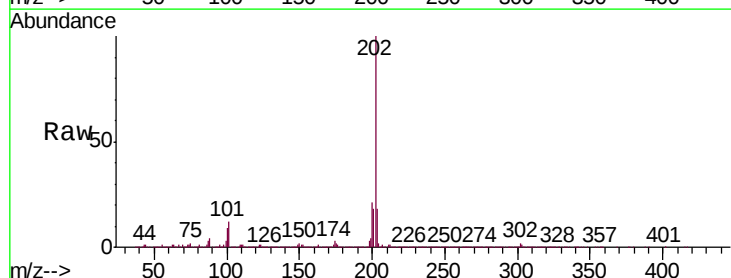
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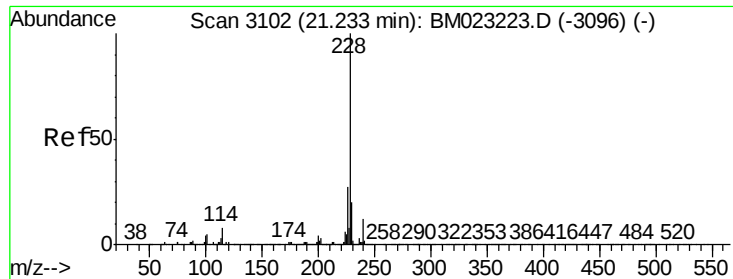
Tgt Ion:202 Resp: 2831646
Ion Ratio Lower Upper
202 100
101 9.8 7.8 11.8
100 7.6 6.1 9.1



#80
Pyrene
Concen: 26.600 ng/ul
RT: 19.48 min Scan# 2804
Delta R.T. 0.00 min
Lab File: BM023227.D
Acq: 17 Oct 2019 19:42

Tgt Ion:202 Resp: 2268857
Ion Ratio Lower Upper
202 100
101 11.6 9.1 13.7
100 9.3 7.5 11.3





#83

Benzo(a)anthracene

Concen: 14.793 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

Instrument :

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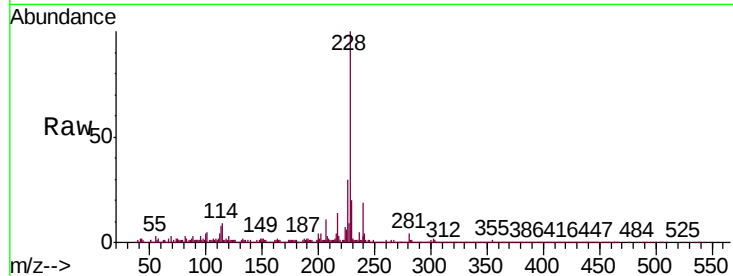
Tgt Ion:228 Resp: 1364717

Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

226 29.8 21.6 32.4

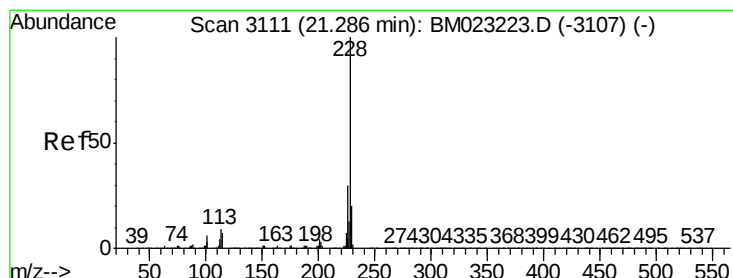
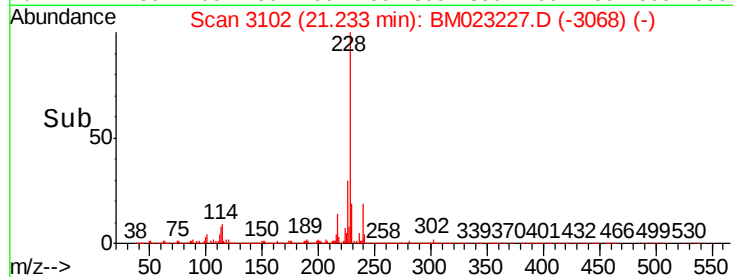
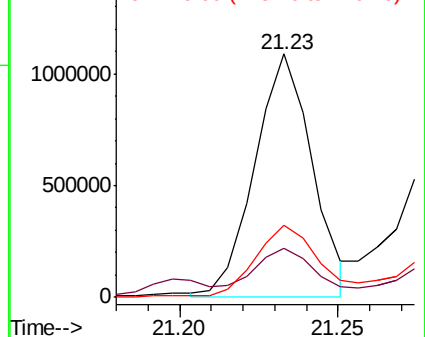


Abundance

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: 15.697 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

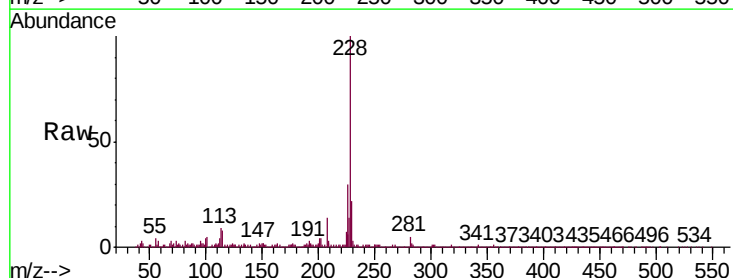
Tgt Ion:228 Resp: 1344646

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 22.4 15.5 23.3

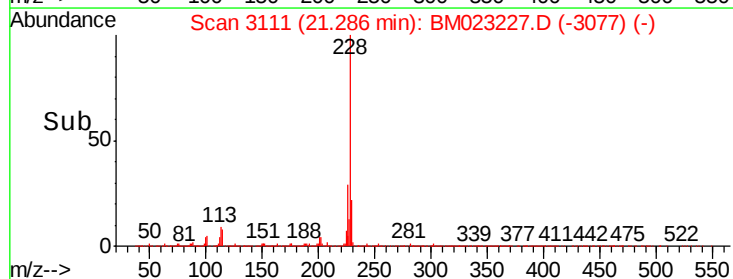
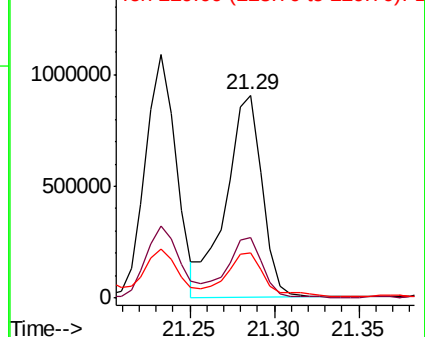


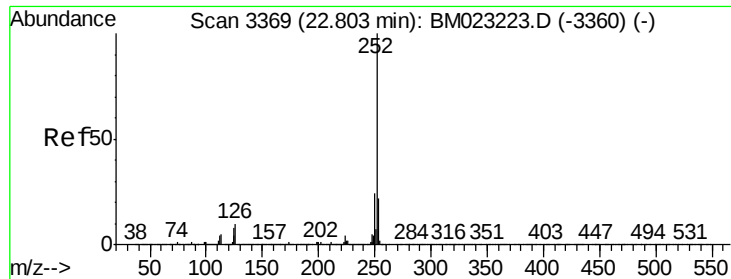
Abundance

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: 19.487 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

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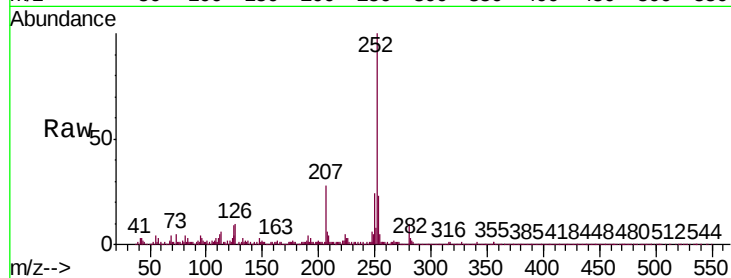
Tgt Ion:252 Resp: 2009356

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

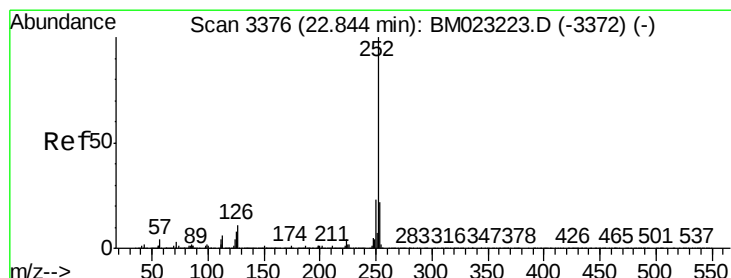
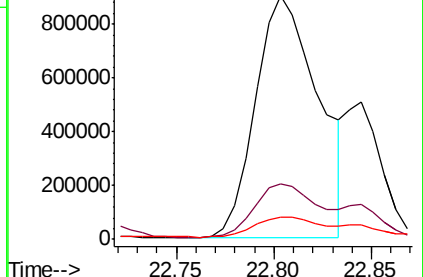
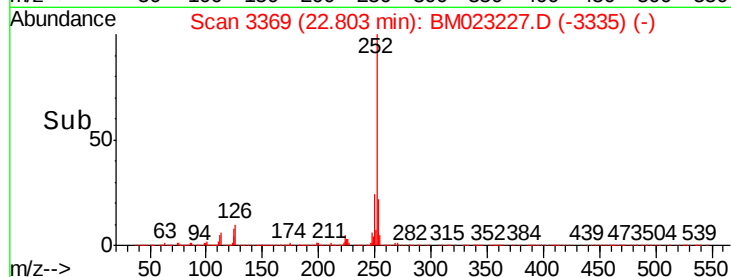
125 9.1 6.4 9.6



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: 20.294 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.04 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

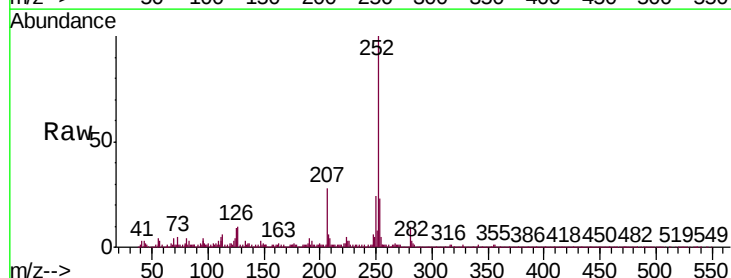
Tgt Ion:252 Resp: 2009356

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

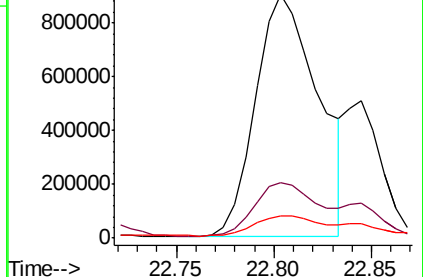
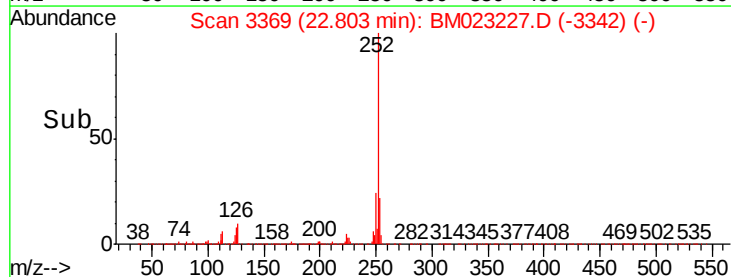
125 9.1 6.5 9.7

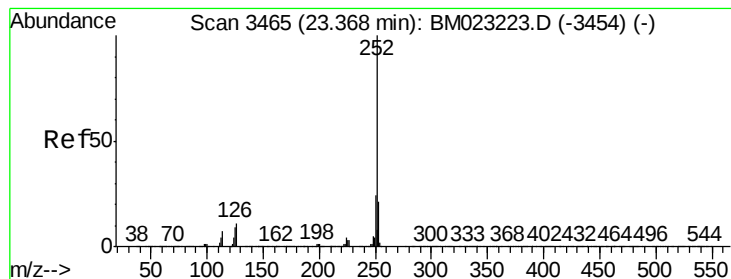


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 13.963 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

Instrument :

BNA_M

ClientSampleId :

BEPM1

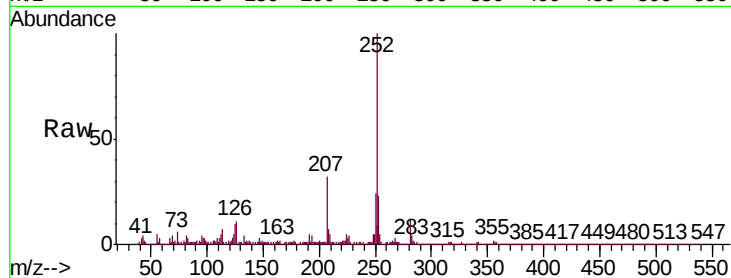
Tgt Ion:252 Resp: 1381293

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

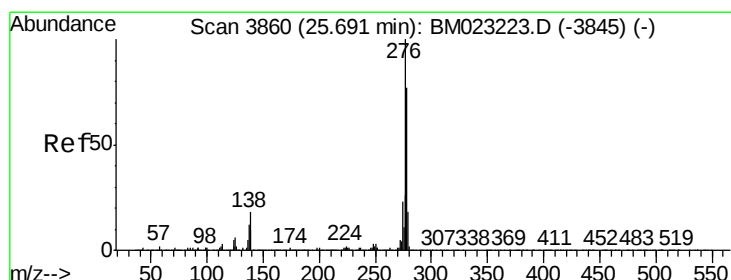
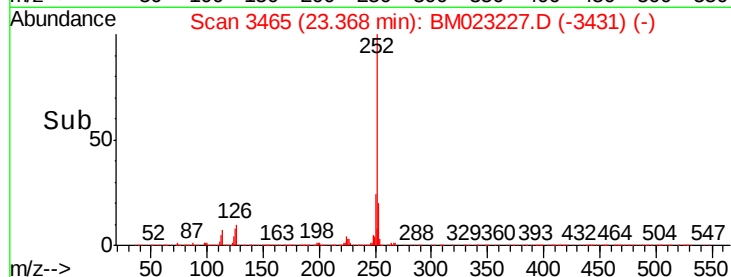
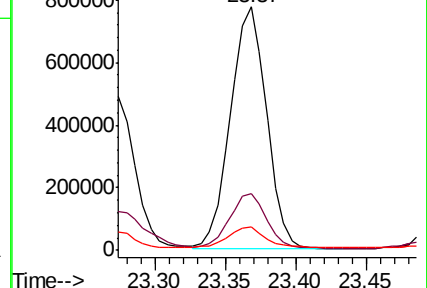
125 9.6 7.4 11.0



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: 8.620 ng/ul

RT: 25.68 min Scan# 3858

Delta R.T. -0.01 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

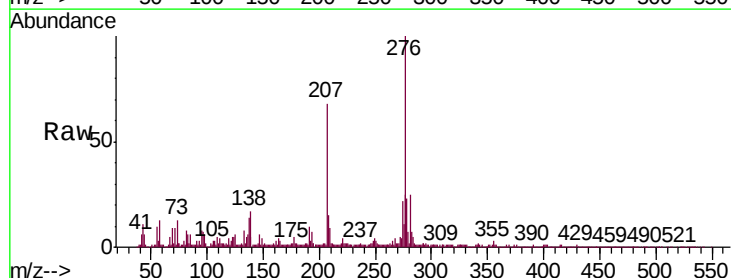
Tgt Ion:276 Resp: 1014436

Ion Ratio Lower Upper

276 100

138 17.3 14.9 22.3

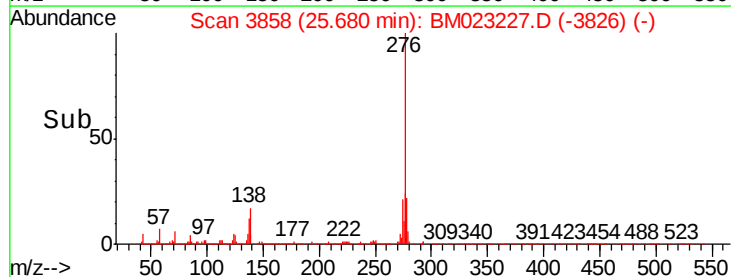
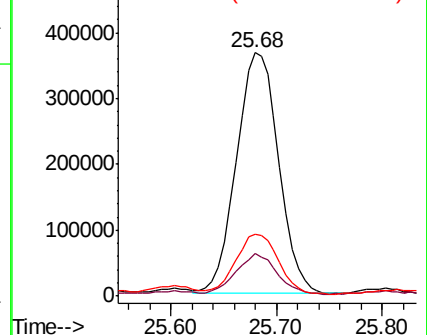
277 25.2 19.8 29.8

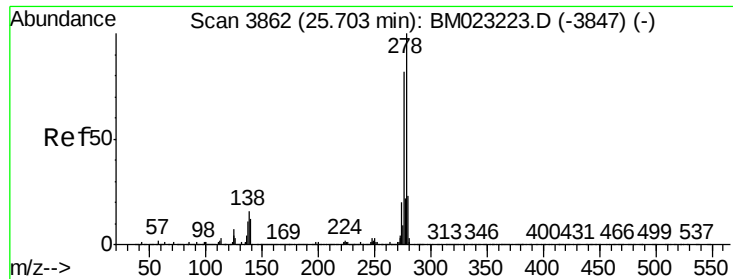


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.838 ng/ul

RT: 25.69 min Scan# 3860

Delta R.T. -0.01 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

Instrument :

BNA_M

ClientSampleId :

BEPM1

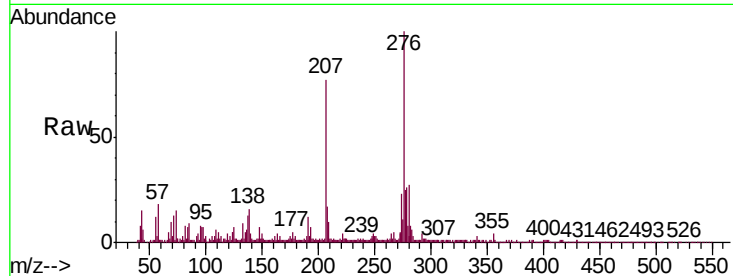
Tgt Ion:278 Resp: 279306

Ion Ratio Lower Upper

278 100

139 17.0 10.0 15.0#

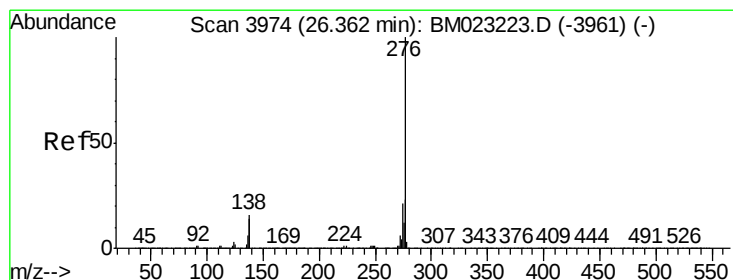
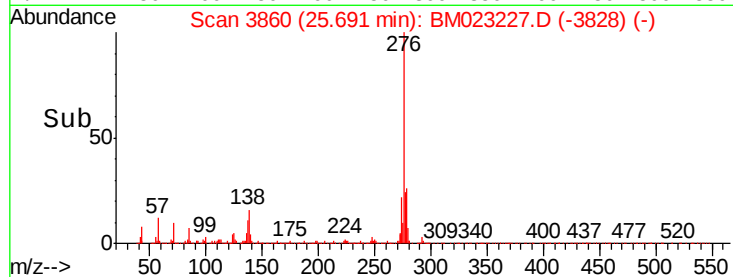
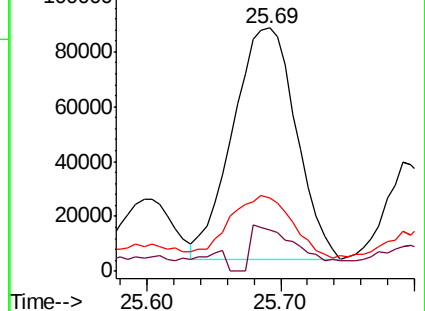
279 29.9 19.4 29.0#



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: 9.343 ng/ul

RT: 26.36 min Scan# 3974

Delta R.T. 0.00 min

Lab File: BM023227.D

Acq: 17 Oct 2019 19:42

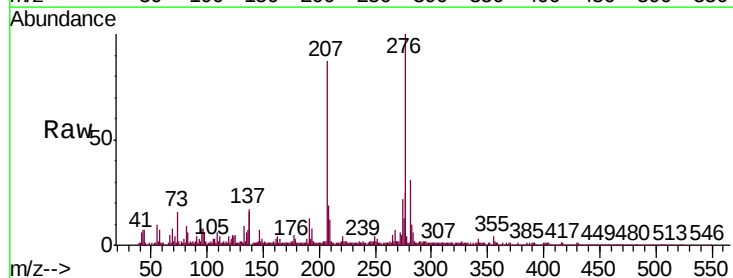
Tgt Ion:276 Resp: 905260

Ion Ratio Lower Upper

276 100

138 16.4 14.4 21.6

277 24.5 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

