

Data File : BM023243.D
Acq On : 18 Oct 2019 05:53
Operator : JU
Sample : K5235-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPB4

Quant Time: Oct 18 07:52:23 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	343725	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1345376	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	835350	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1709261	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1763664	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2180896	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	35963	4.60	ng/uL	0.00
5) Phenol-d5	6.83	99	607681	20.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	369077	21.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	515875	22.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	405640	16.87	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	252521	27.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	280217	32.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	537026	24.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	453630	16.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1670871	26.10	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1957403	26.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	155944	15.05	ng/ul	0.00
58) Fluorene-d10	15.30	176	1454899	26.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	147350	21.74	ng/ul	0.00
71) Anthracene-d10	17.15	188	2258759	27.41	ng/ul	0.00
79) Pyrene-d10	19.45	212	2536508	29.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	3124794	28.27	ng/ul	0.01

Target Compounds

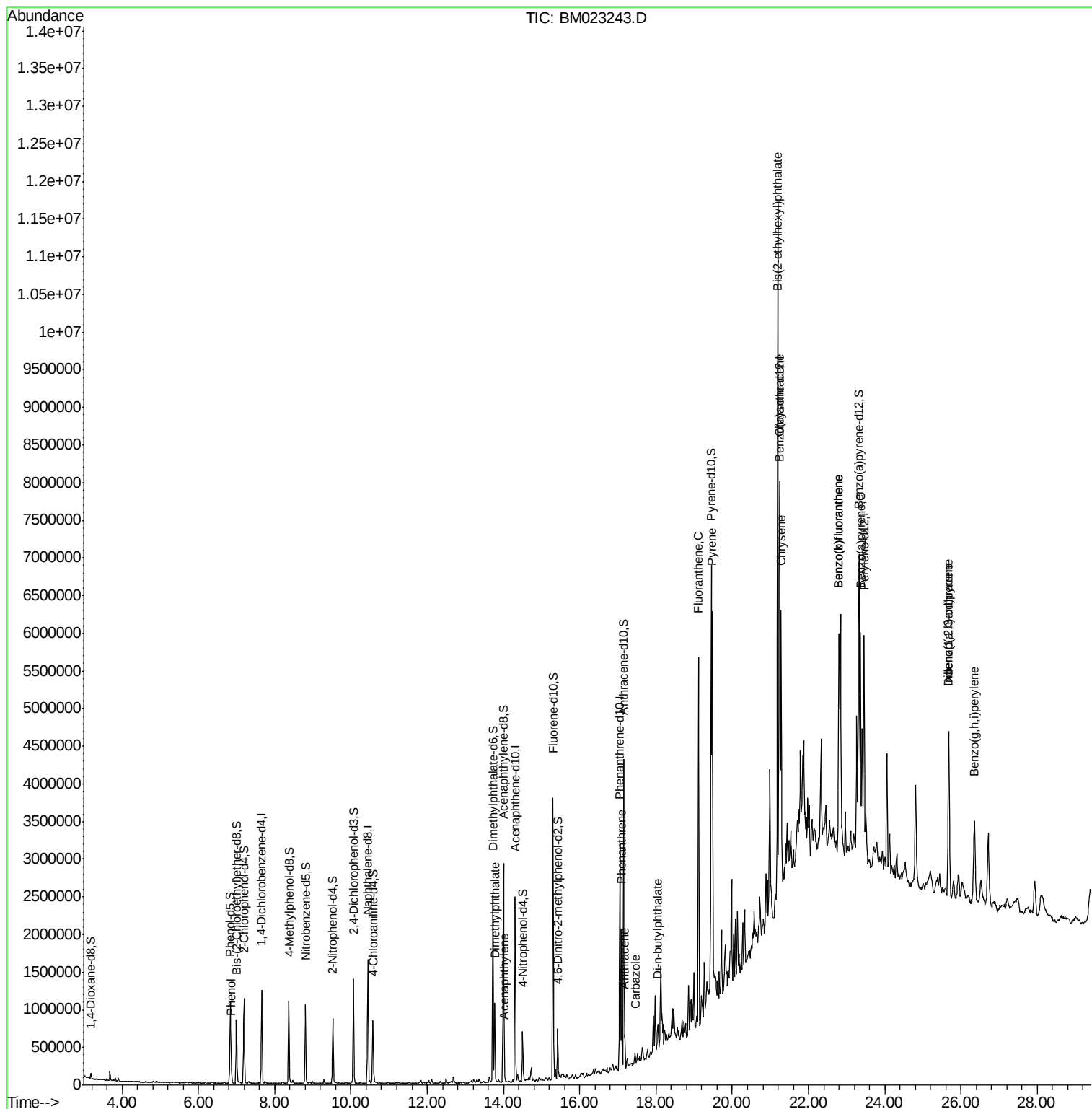
					Qvalue	
6) Phenol	6.86	94	102337	3.315	ng/ul	97
45) Dimethylphthalate	13.77	163	662799	10.344	ng/ul	100
48) Acenaphthylene	14.03	152	103883	1.353	ng/ul	98
70) Phenanthrene	17.09	178	1075063	11.207	ng/ul	100
72) Anthracene	17.19	178	279615	2.821	ng/ul	97
75) Carbazole	17.45	167	101006	1.141	ng/ul	98
76) Di-n-butylphthalate	18.04	149	203173	1.928	ng/ul#	95
77) Fluoranthene	19.12	202	2893633	25.364	ng/ul	99
80) Pyrene	19.48	202	3229192	29.227	ng/ul	97
83) Benzo(a)anthracene	21.23	228	1966939	16.460	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.19	149	3313332	54.225	ng/ul#	98
85) Chrysene	21.28	228	2058318	18.550	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	2602513	19.682	ng/ul	98
89) Benzo(k)fluoranthene	22.80	252	2602513	20.497	ng/ul	98
91) Benzo(a)pyrene	23.36	252	2095541	16.518	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.67	276	1376140	9.118	ng/ul	97
93) Dibenzo(a,h)anthracene	25.69	278	395432	3.134	ng/ul#	91
94) Benzo(g,h,i)perylene	26.35	276	1359978	10.945	ng/ul	98

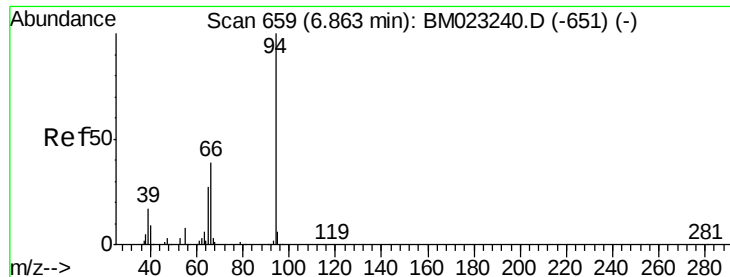
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.315 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

Instrument :

BNA_M

ClientSampleId :

BEPB4

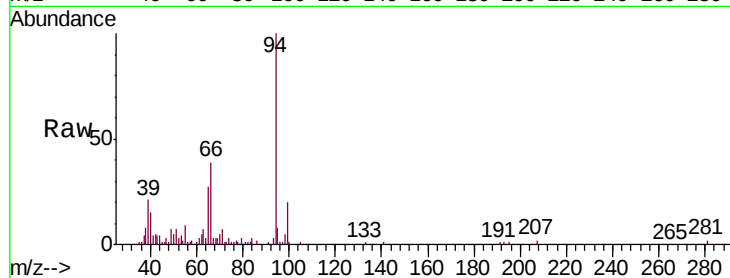
Tgt Ion: 94 Resp: 102337

Ion Ratio Lower Upper

94 100

65 27.3 23.7 35.5

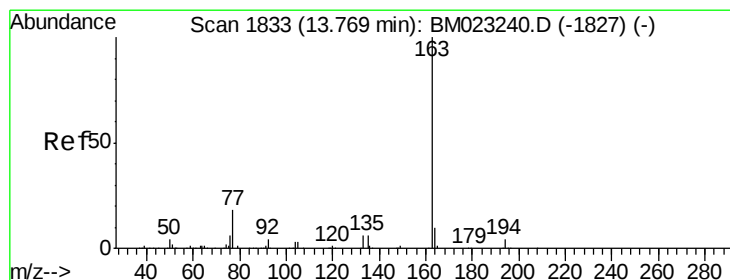
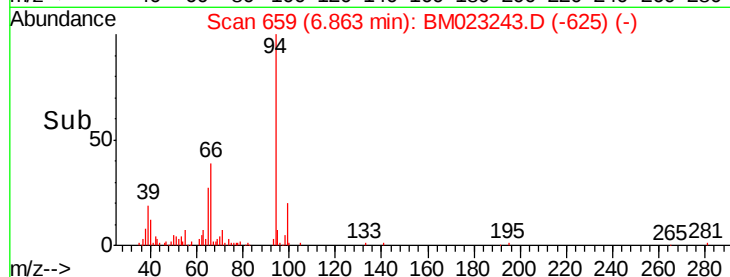
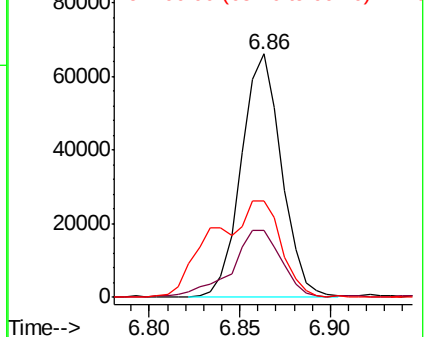
66 39.4 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023243.D (-651) (-)

Ion 65.00 (64.70 to 65.70): BM023243.D (-651) (-)

Ion 66.00 (65.70 to 66.70): BM023243.D (-651) (-)



#45

Dimethylphthalate

Concen: 10.344 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

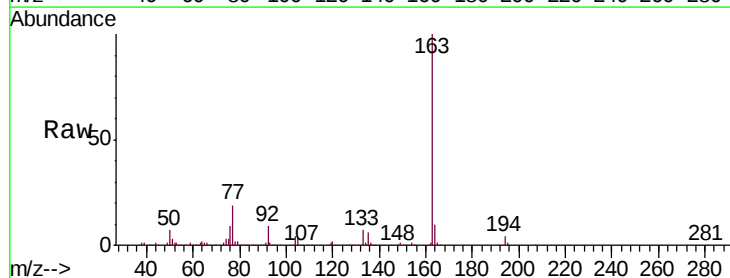
Tgt Ion: 163 Resp: 662799

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

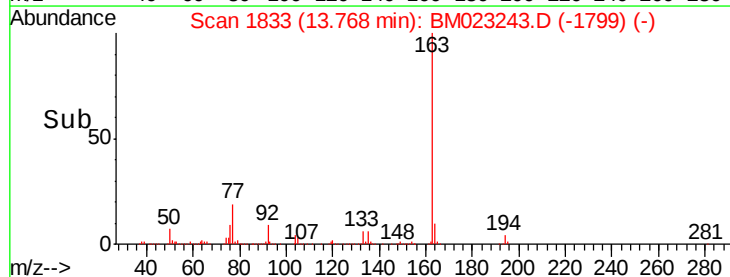
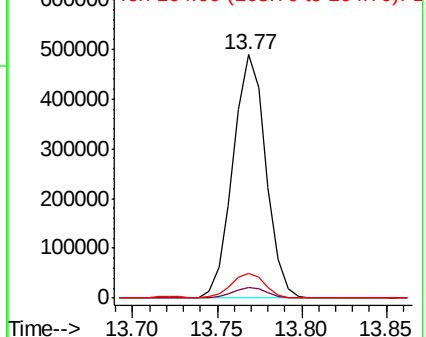
164 9.9 8.0 12.0

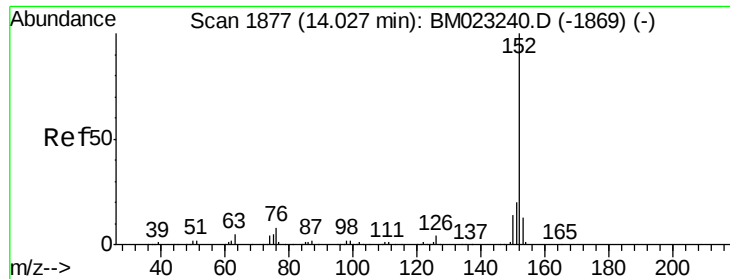


Abundance Ion 163.00 (162.70 to 163.70): BM023243.D (-1827) (-)

Ion 194.00 (193.70 to 194.70): BM023243.D (-1827) (-)

Ion 164.00 (163.70 to 164.70): BM023243.D (-1827) (-)





#48

Acenaphthylene

Concen: 1.353 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

Instrument :

BNA_M

ClientSampleId :

BEPB4

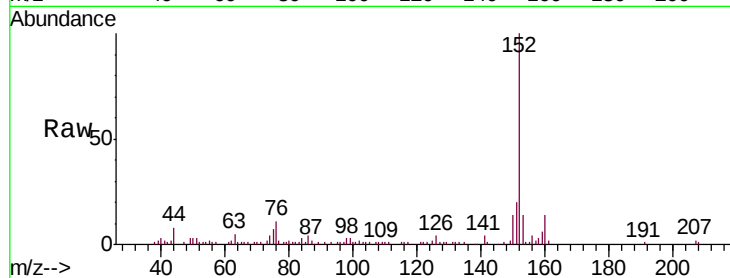
Tgt Ion:152 Resp: 103883

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

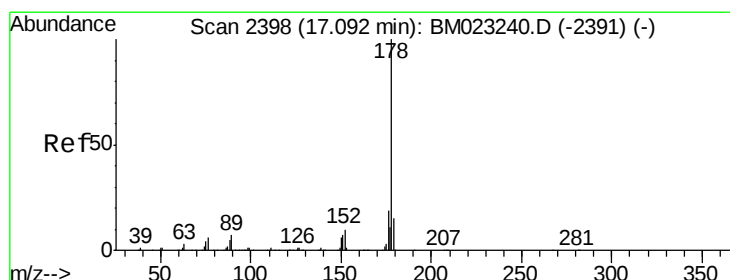
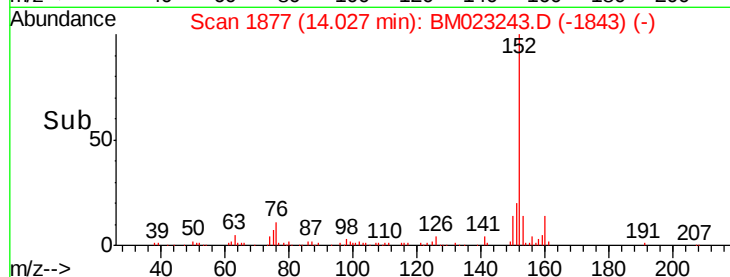
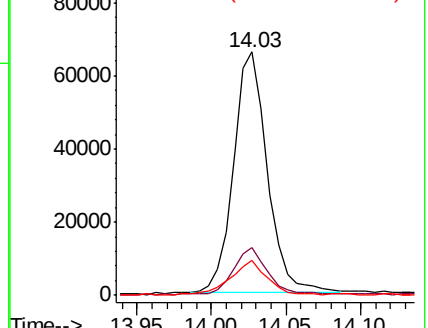
153 14.4 10.3 15.5



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: 11.207 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

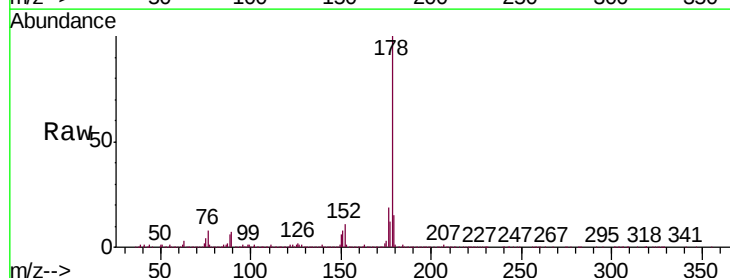
Tgt Ion:178 Resp: 1075063

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

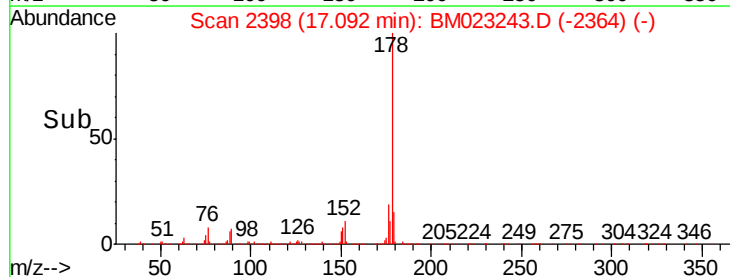
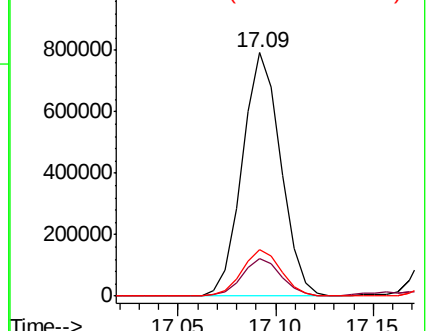
176 19.3 15.5 23.3

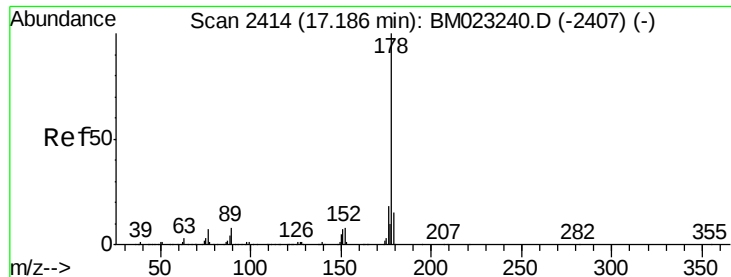


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.821 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

Instrument :

BNA_M

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BEPB4

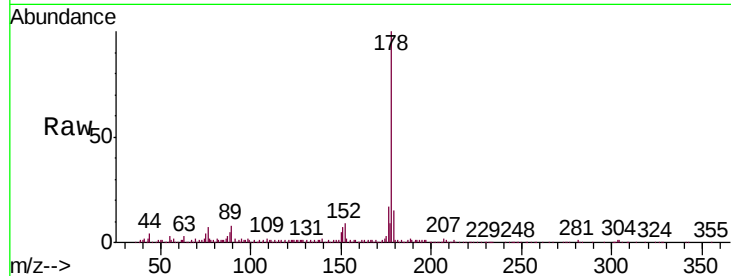
Tgt Ion:178 Resp: 279615

Ion Ratio Lower Upper

178 100

179 14.8 12.3 18.5

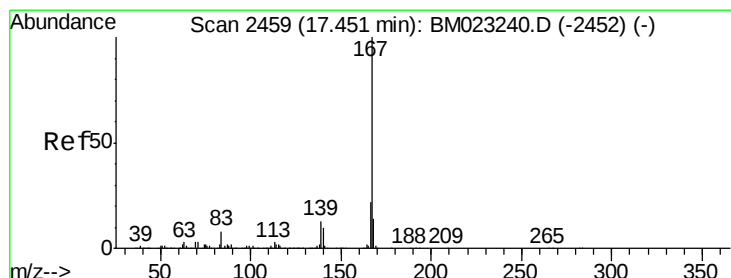
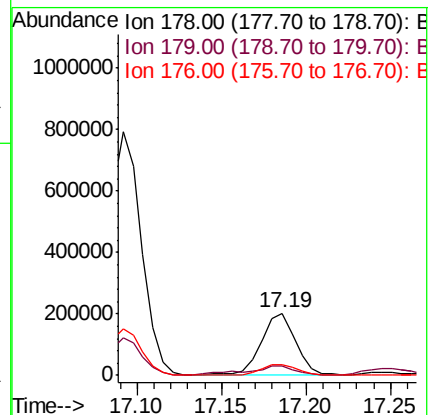
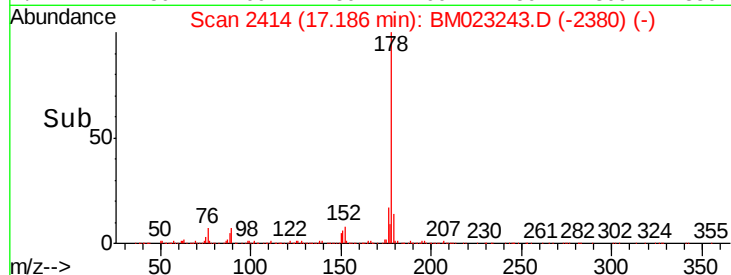
176 16.9 15.0 22.4



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: 1.141 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

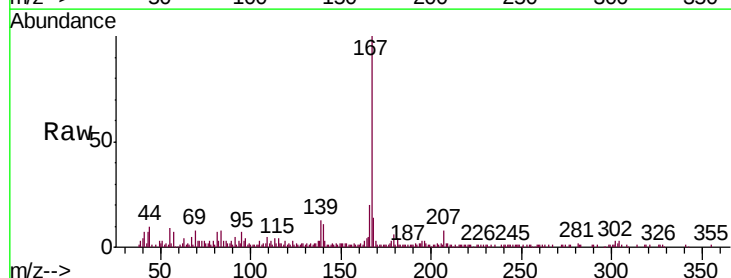
Tgt Ion:167 Resp: 101006

Ion Ratio Lower Upper

167 100

166 20.3 17.4 26.0

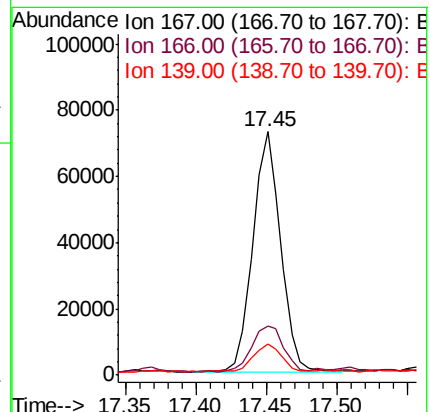
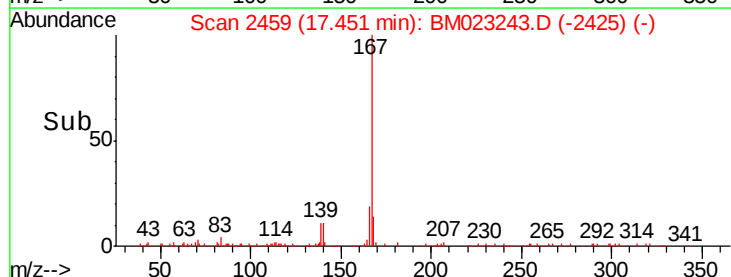
139 13.0 10.2 15.2

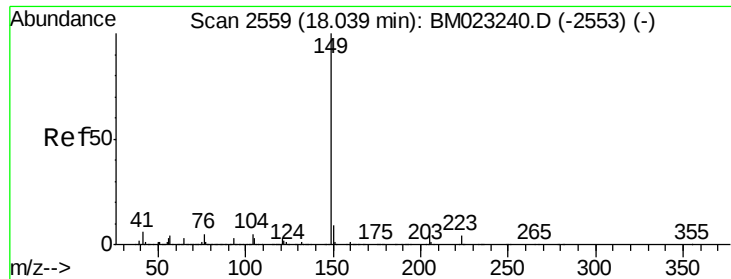


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 1.928 ng/ul

RT: 18.04 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

Instrument :

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ClientSampleId :

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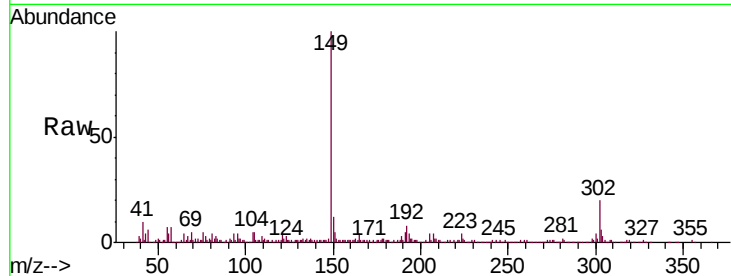
Tgt Ion:149 Resp: 203173

Ion Ratio Lower Upper

149 100

150 11.7 7.0 10.4#

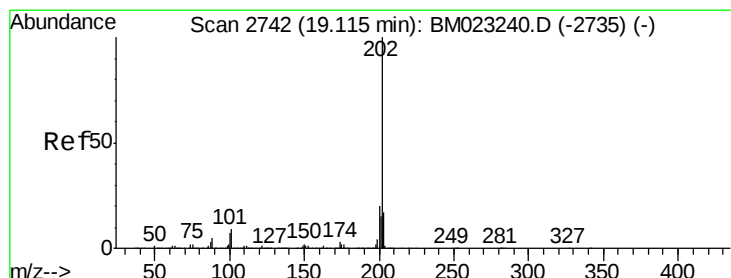
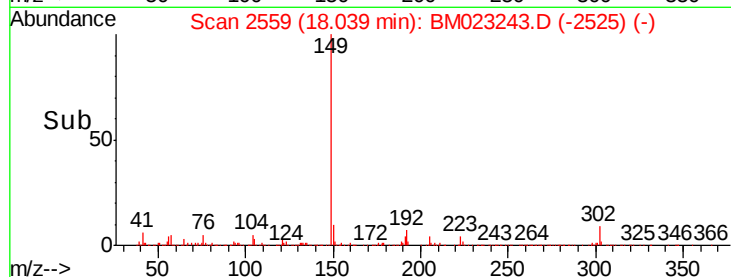
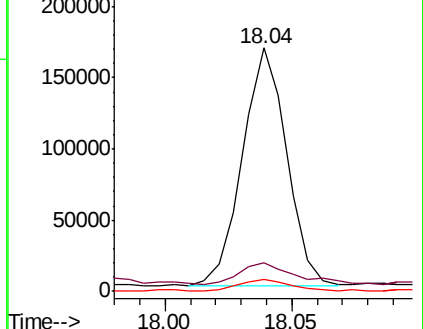
104 5.0 4.0 6.0



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: 25.364 ng/ul

RT: 19.12 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

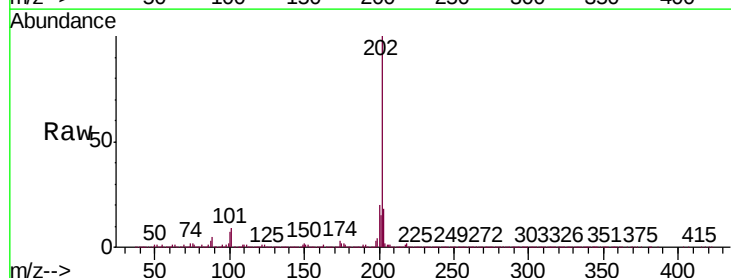
Tgt Ion:202 Resp: 2893633

Ion Ratio Lower Upper

202 100

101 9.3 7.8 11.8

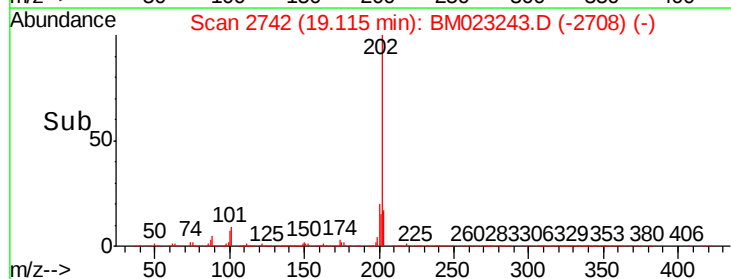
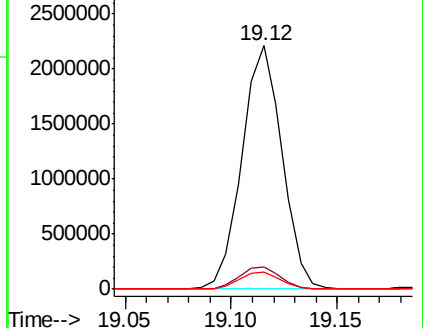
100 7.0 6.1 9.1

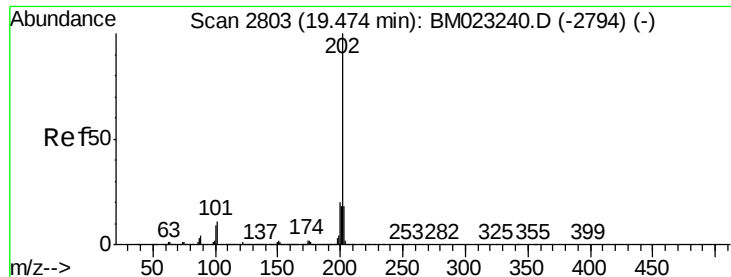


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 29.227 ng/ul

RT: 19.48 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

Instrument :

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ClientSampleId :

BEPB4

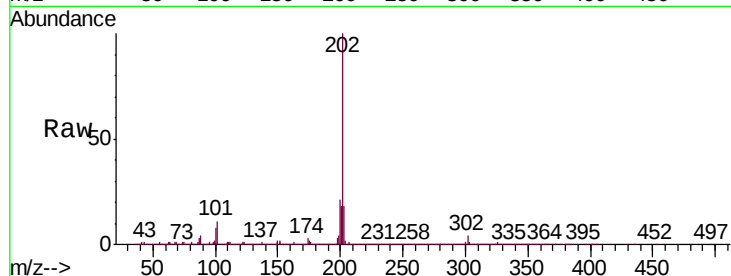
Tgt Ion:202 Resp: 3229192

Ion Ratio Lower Upper

202 100

101 10.5 9.1 13.7

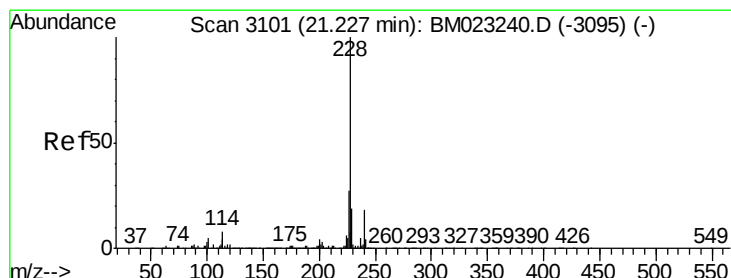
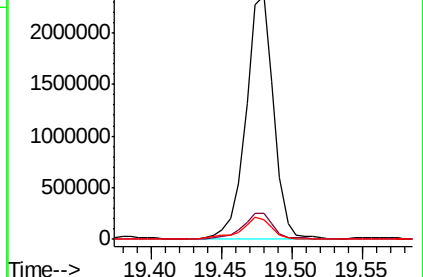
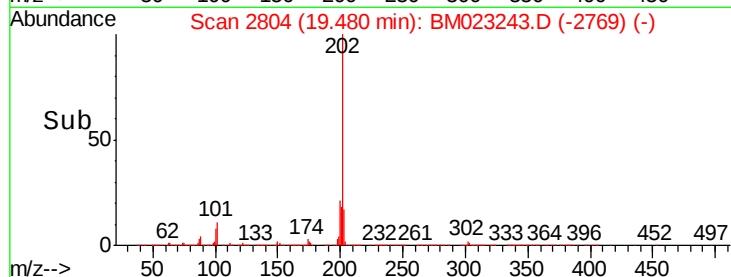
100 8.3 7.5 11.3



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): E



#83

Benzo(a)anthracene

Concen: 16.460 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

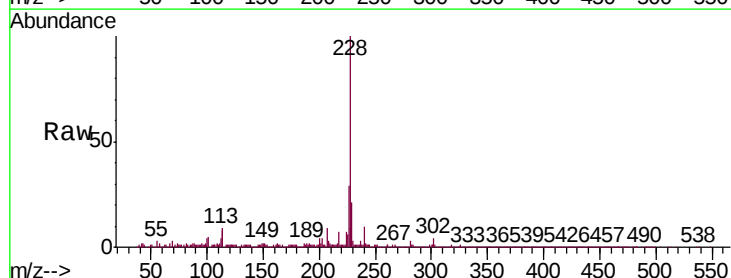
Tgt Ion:228 Resp: 1966939

Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

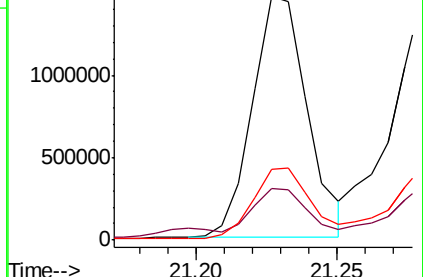
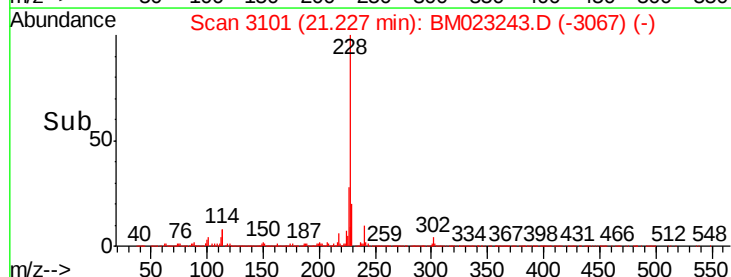
226 28.8 21.6 32.4

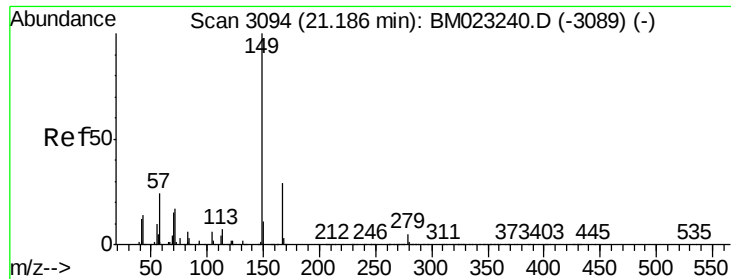


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

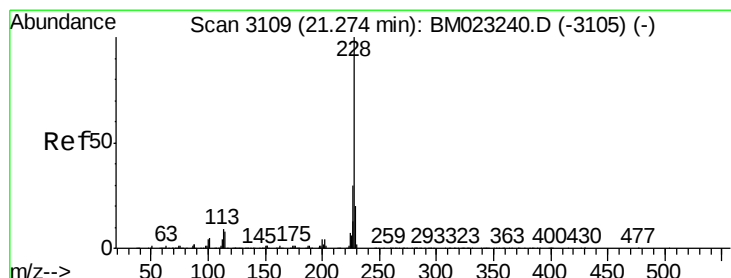
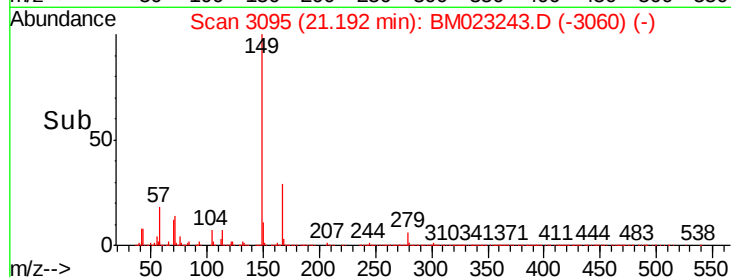
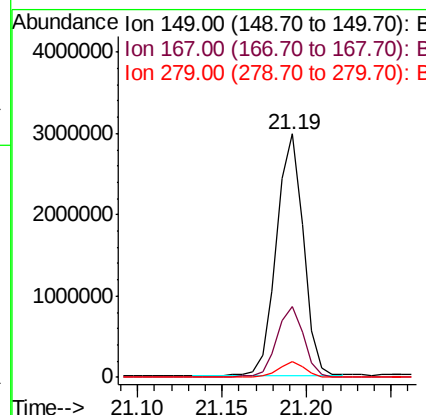
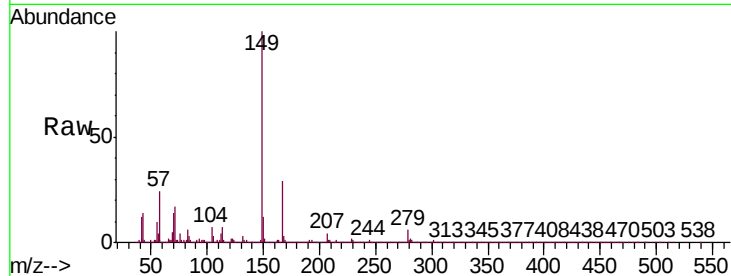




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.225 ng/ul
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM023243.D
 Acq: 18 Oct 2019 05:53

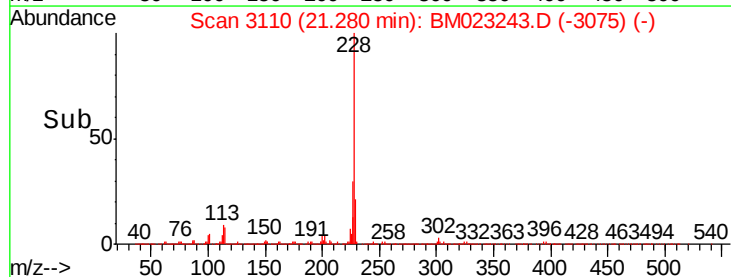
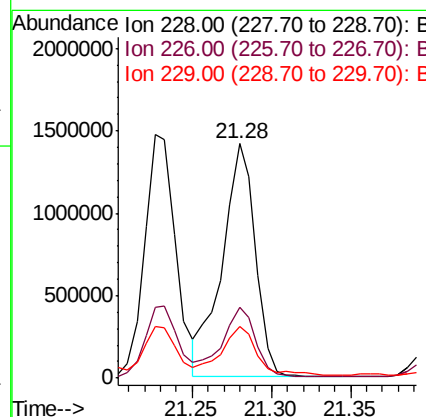
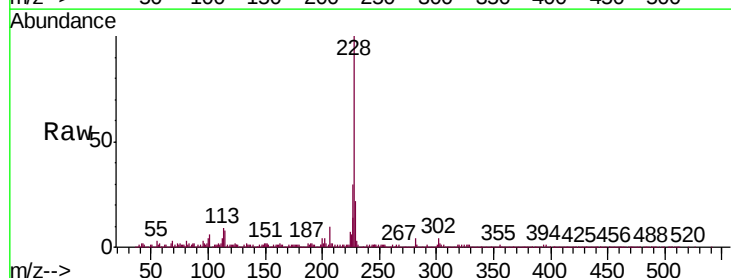
Instrument :
 BNA_M
 ClientSampleId :
 BEPB4

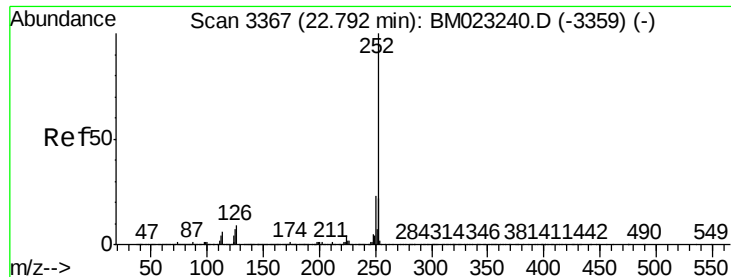
Tgt Ion:149 Resp: 3313332
 Ion Ratio Lower Upper
 149 100
 167 29.2 22.5 33.7
 279 6.3 4.0 6.0#



#85
 Chrysene
 Concen: 18.550 ng/ul
 RT: 21.28 min Scan# 3110
 Delta R.T. 0.01 min
 Lab File: BM023243.D
 Acq: 18 Oct 2019 05:53

Tgt Ion:228 Resp: 2058318
 Ion Ratio Lower Upper
 228 100
 226 30.1 23.8 35.6
 229 22.0 15.5 23.3





#88

Benzo(b)fluoranthene

Concen: 19.682 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

Instrument :

BNA_M

ClientSampleId :

BEPB4

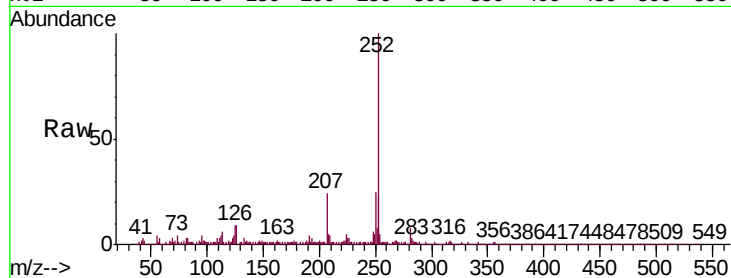
Tgt Ion:252 Resp: 2602513

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 8.5 6.4 9.6

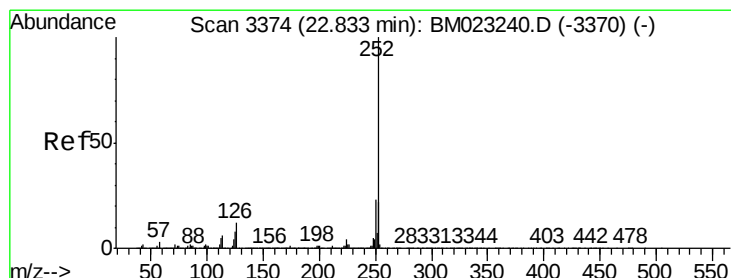
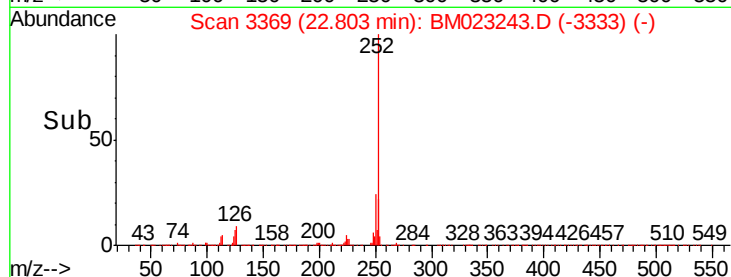
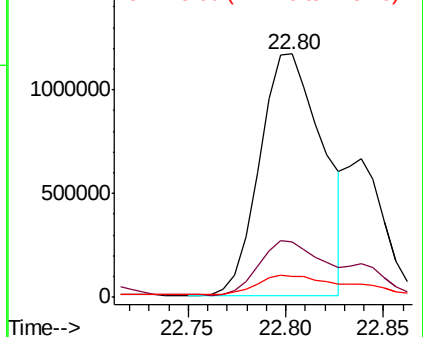


Abundance

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: 20.497 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.03 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

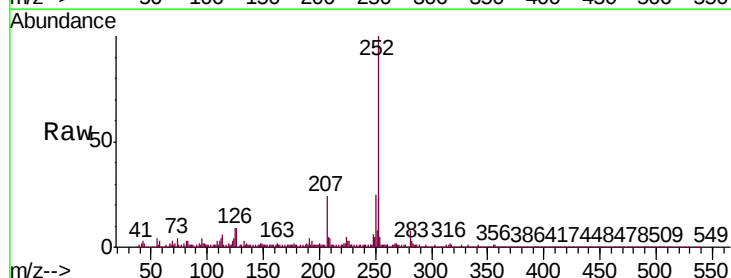
Tgt Ion:252 Resp: 2602513

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 8.5 6.5 9.7

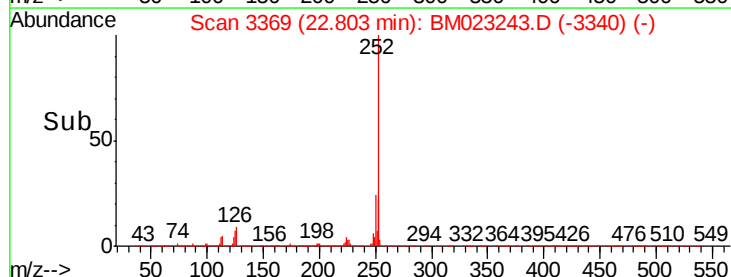
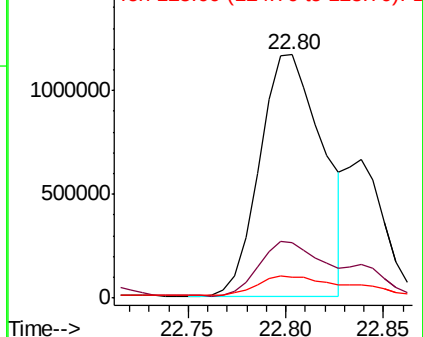


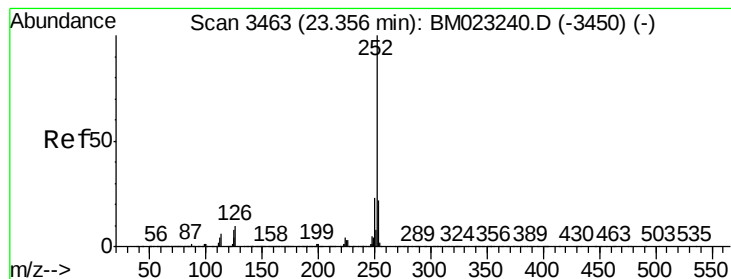
Abundance

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: 16.518 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

Instrument :

BNA_M

ClientSampleId :

BEPB4

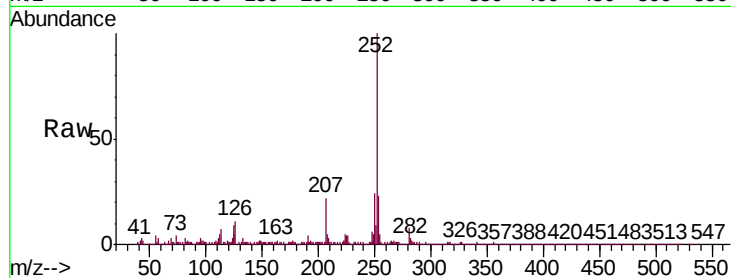
Tgt Ion:252 Resp: 2095541

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

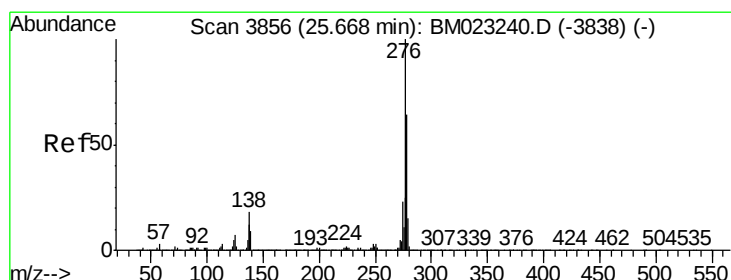
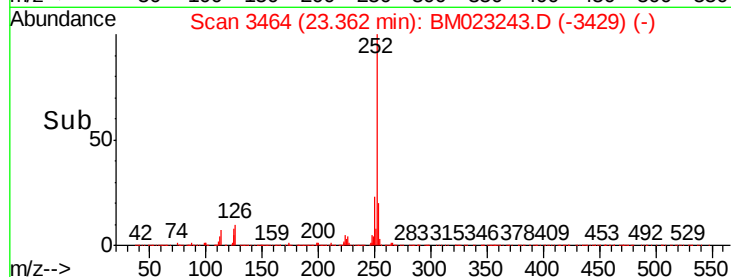
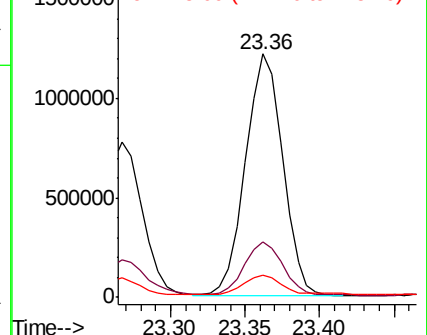
125 9.0 7.4 11.0



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: 9.118 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. 0.01 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

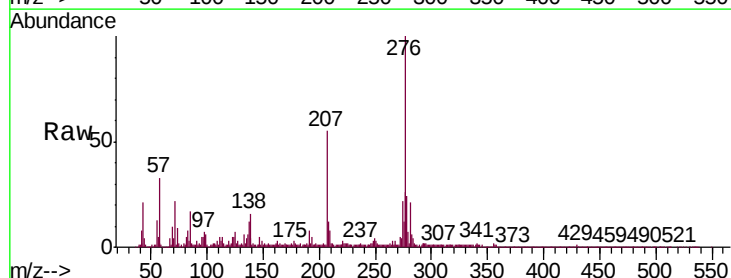
Tgt Ion:276 Resp: 1376140

Ion Ratio Lower Upper

276 100

138 15.9 14.9 22.3

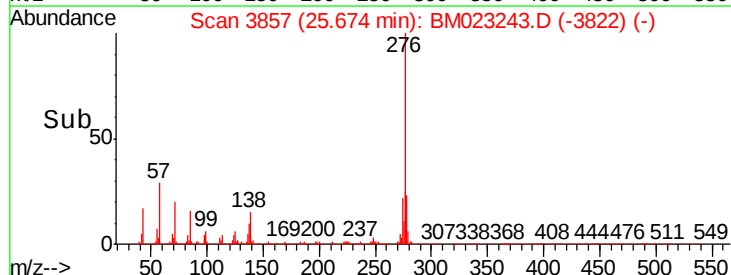
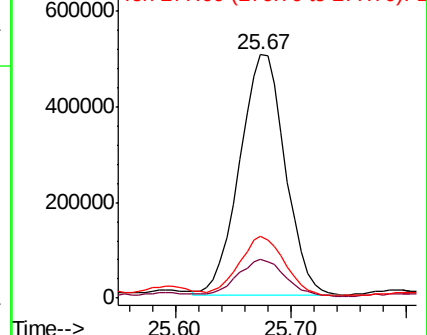
277 25.5 19.8 29.8

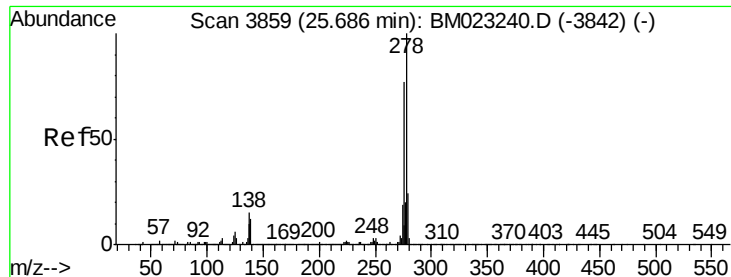


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.134 ng/u1

RT: 25.69 min Scan# 3859

Delta R.T. -0.00 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

Instrument :

BNA_M

ClientSampleId :

BEPB4

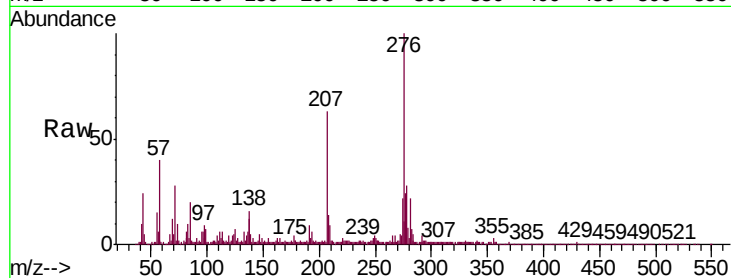
Tgt Ion:278 Resp: 395432

Ion Ratio Lower Upper

278 100

139 17.4 10.0 15.0#

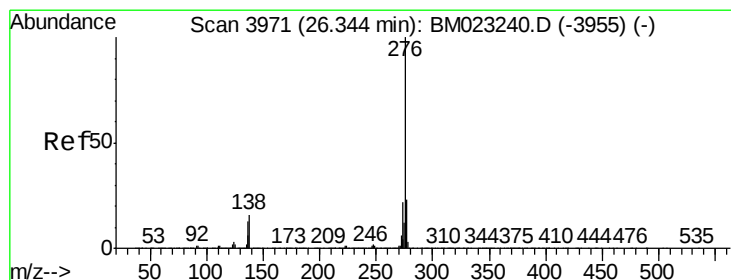
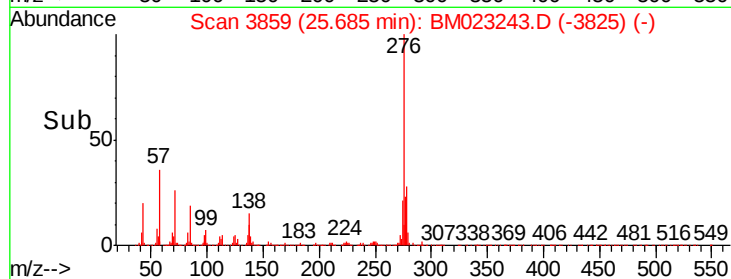
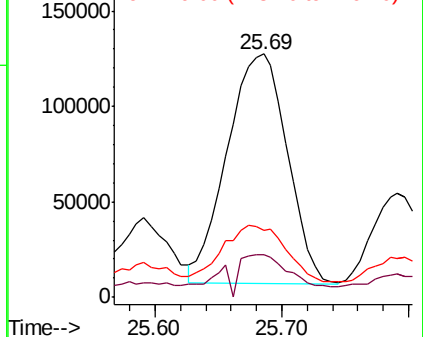
279 27.7 19.4 29.0



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: 10.945 ng/u1

RT: 26.35 min Scan# 3972

Delta R.T. 0.01 min

Lab File: BM023243.D

Acq: 18 Oct 2019 05:53

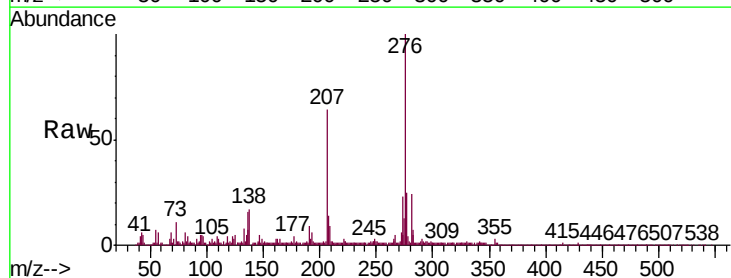
Tgt Ion:276 Resp: 1359978

Ion Ratio Lower Upper

276 100

138 16.9 14.4 21.6

277 24.8 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

