

Data File : BM023230.D
Acq On : 17 Oct 2019 21:30
Operator : JU
Sample : K5236-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPL2

Quant Time: Oct 18 06:57:04 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	366970	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1433782	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	879458	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1744413	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	1831053	20.00	ng/ul	0.00
86) Perylene-d12	23.47	264	2271307	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	31267	3.75	ng/uL	0.00
5) Phenol-d5	6.84	99	590755	18.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	335570	18.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	490594	20.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	457527	17.82	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	233835	24.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	253281	27.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	499176	21.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	338095	11.83	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1444779	21.44	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1718809	21.74	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	191392	17.54	ng/ul	0.00
58) Fluorene-d10	15.30	176	1283448	22.35	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	125611	18.16	ng/ul	0.00
71) Anthracene-d10	17.15	188	1959923	23.30	ng/ul	0.00
79) Pyrene-d10	19.45	212	2180213	24.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	2721388	23.64	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	6.86	94	98533	2.990	ng/ul	97
28) Naphthalene	10.49	128	105793	1.428	ng/ul	97
30) 4-Chloroaniline	10.60	127	251859	8.518	ng/ul	97
45) Dimethylphthalate	13.77	163	606311	8.988	ng/ul	99
48) Acenaphthylene	14.03	152	200272	2.478	ng/ul	99
50) Acenaphthene	14.37	153	96526	1.715	ng/ul	97
59) Fluorene	15.36	166	93560	1.427	ng/ul	98
67) Hexachlorobenzene	16.37	284	96389	4.036	ng/ul	98
70) Phenanthrene	17.10	178	1467896	14.994	ng/ul	99
72) Anthracene	17.19	178	381247	3.769	ng/ul	96
75) Carbazole	17.46	167	181713	2.011	ng/ul	99
77) Fluoranthene	19.12	202	2826136	24.274	ng/ul	97
80) Pyrene	19.48	202	2395772	20.886	ng/ul	98
81) Butylbenzylphthalate	20.40	149	54625	1.369	ng/ul#	67
83) Benzo(a)anthracene	21.24	228	1492283	12.028	ng/ul	92
84) Bis(2-ethylhexyl)phthalate	21.20	149	499003	7.866	ng/ul#	97
85) Chrysene	21.24	228	1546111	13.421	ng/ul	95
88) Benzo(b)fluoranthene	22.81	252	2594134	18.838	ng/ul#	93
89) Benzo(k)fluoranthene	22.81	252	2594134	19.618	ng/ul#	93
91) Benzo(a)pyrene	23.37	252	1765525	13.363	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	25.70	276	1512836	9.625	ng/ul	97
93) Dibenzo(a,h)anthracene	25.70	278	383999	2.922	ng/ul#	85
94) Benzo(g,h,i)perylene	26.37	276	1573692	12.161	ng/ul	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101719\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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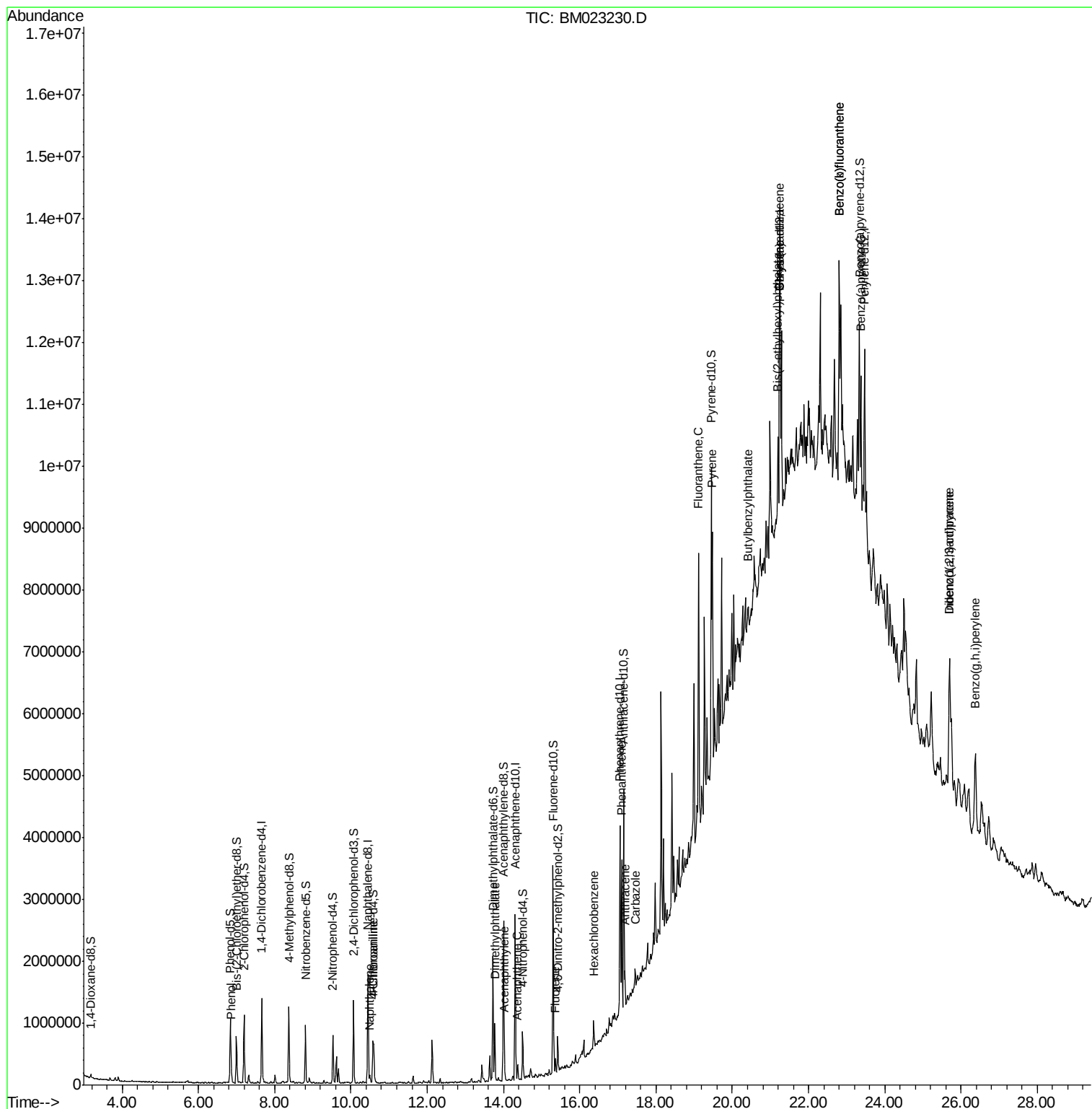
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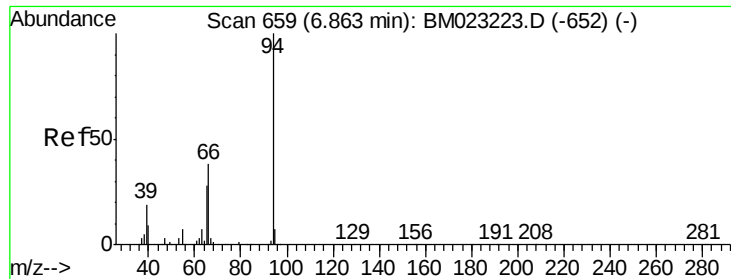
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.990 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

BEPL2

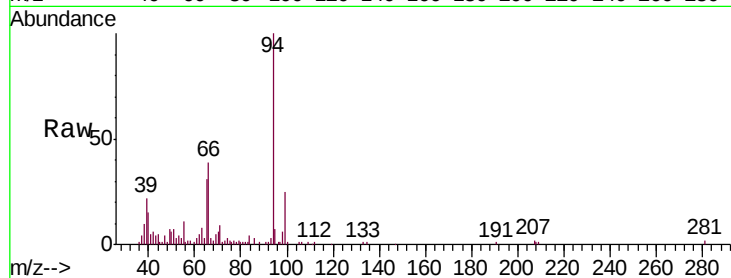
Tgt Ion: 94 Resp: 98533

Ion Ratio Lower Upper

94 100

65 31.2 23.7 35.5

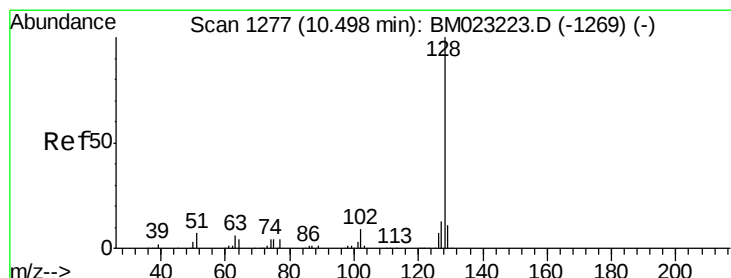
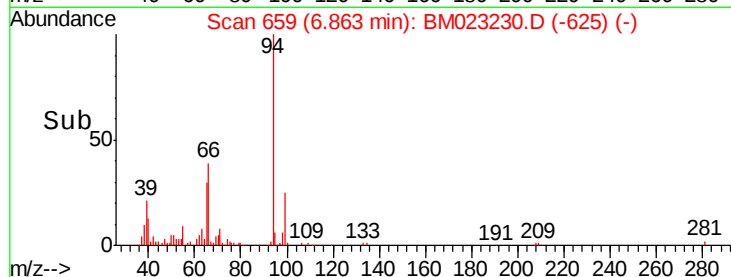
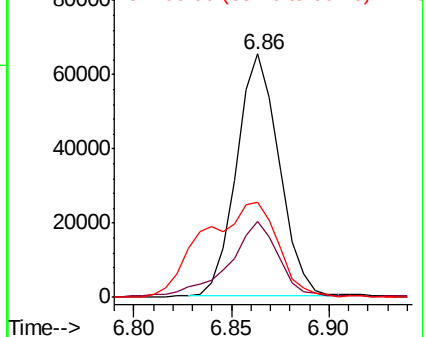
66 38.9 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023223.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM023223.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM023223.D (-652) (-)



#28

Naphthalene

Concen: 1.428 ng/ul

RT: 10.49 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

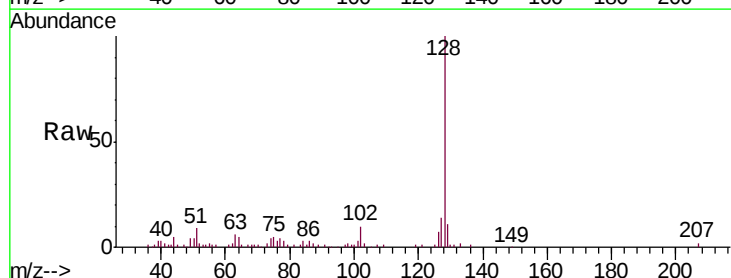
Tgt Ion: 128 Resp: 105793

Ion Ratio Lower Upper

128 100

129 11.3 8.3 12.5

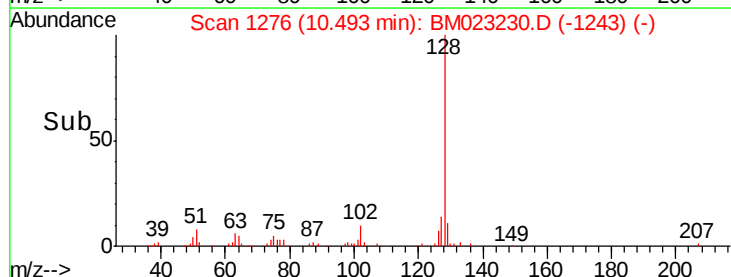
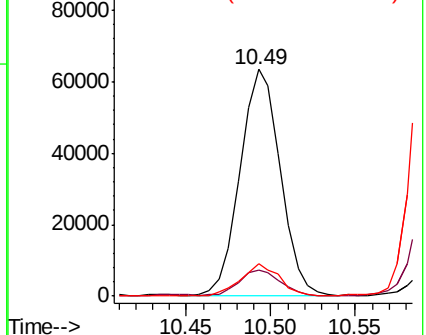
127 14.2 10.2 15.4

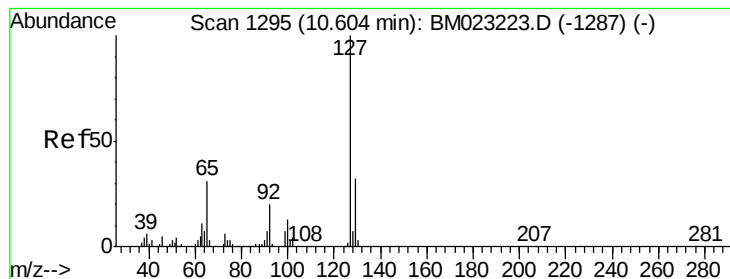


Abundance Ion 128.00 (127.70 to 128.70): BM023223.D (-1269) (-)

Ion 129.00 (128.70 to 129.70): BM023223.D (-1269) (-)

Ion 127.00 (126.70 to 127.70): BM023223.D (-1269) (-)





#30

4-Chloroaniline

Concen: 8.518 ng/ul

RT: 10.60 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

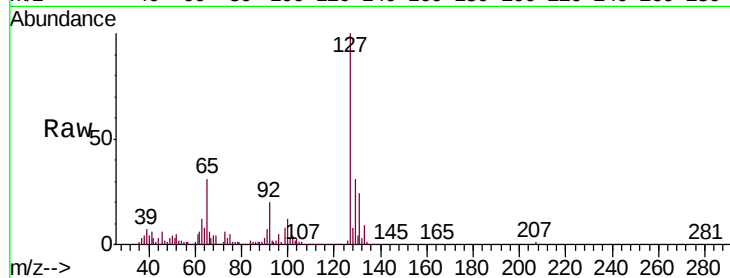
BEPL2

Tgt Ion:127 Resp: 251859

Ion Ratio Lower Upper

127 100

129 31.3 26.3 39.5



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

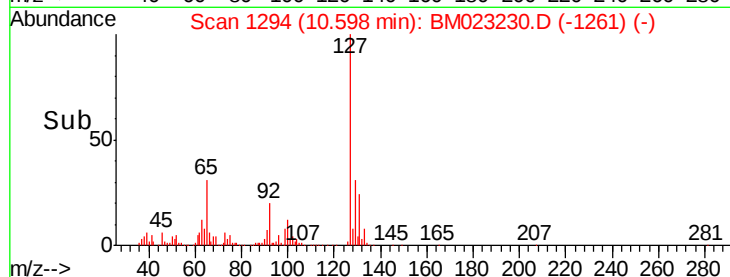
150000

100000

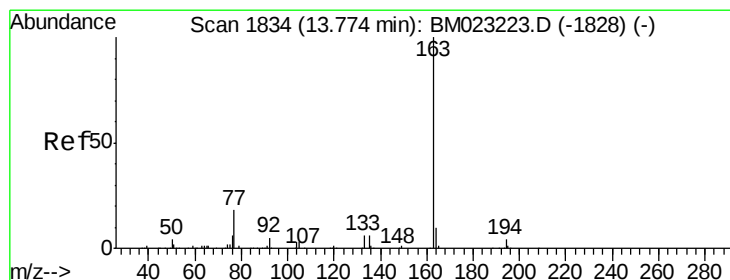
50000

0

10.50 10.60 10.70



Time-->



#45

Dimethylphthalate

Concen: 8.988 ng/ul

RT: 13.77 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

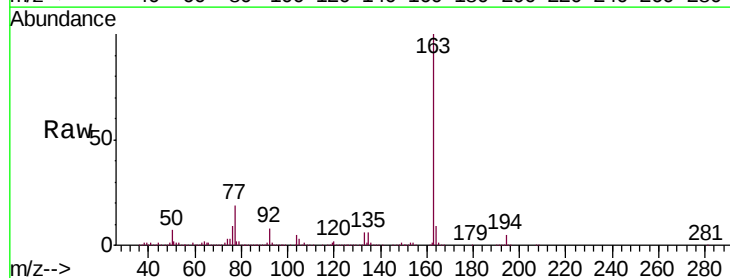
Tgt Ion:163 Resp: 606311

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

164 9.4 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

600000

500000

400000

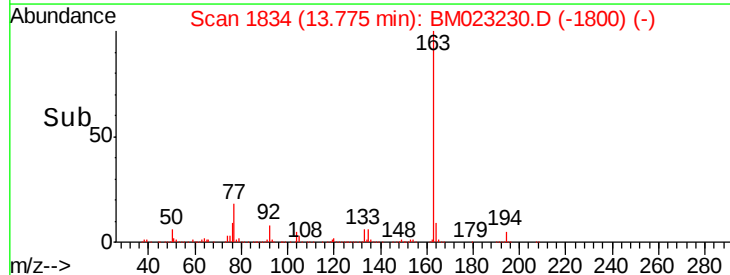
300000

200000

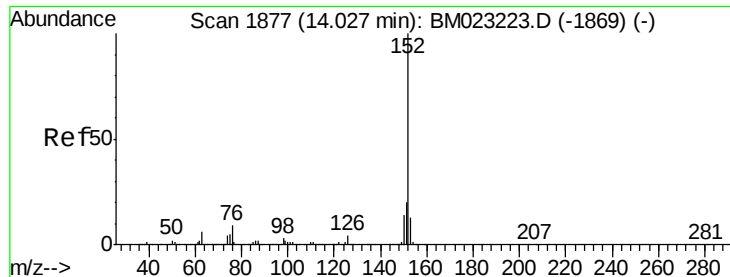
100000

0

13.70 13.75 13.80 13.85



Time-->



#48

Acenaphthylene

Concen: 2.478 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

BEPL2

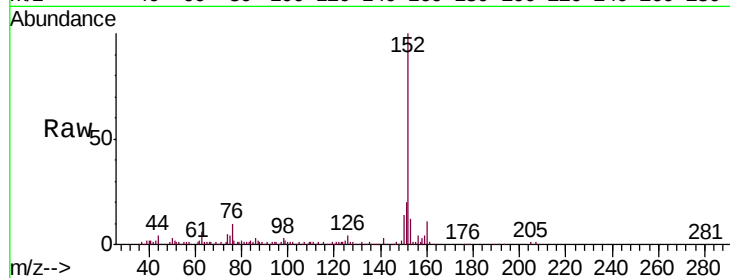
Tgt Ion:152 Resp: 200272

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.6

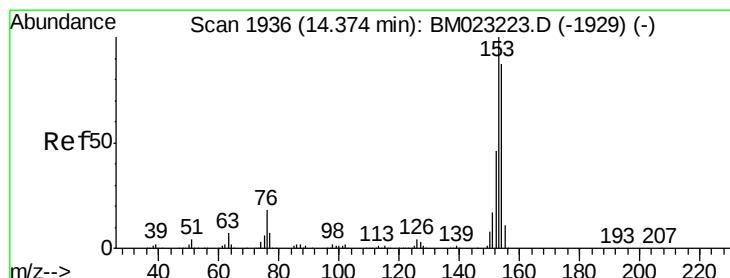
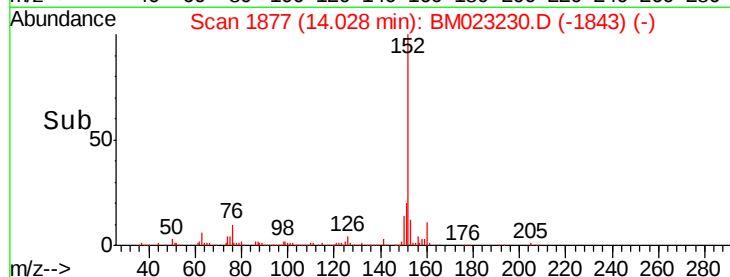
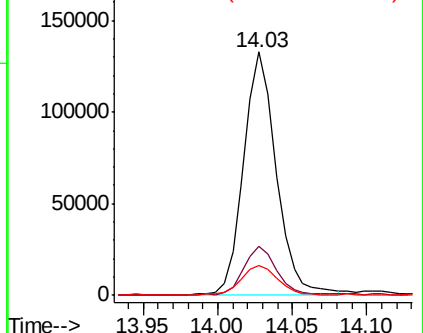
153 12.1 10.3 15.5



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: 1.715 ng/ul

RT: 14.37 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

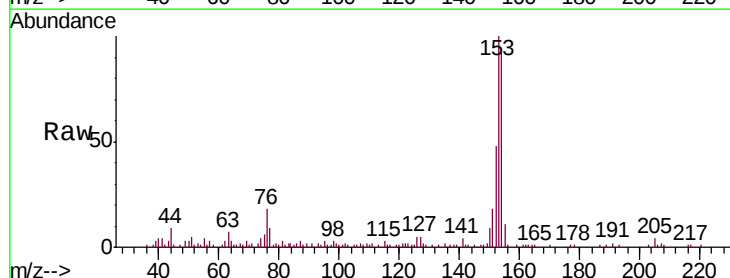
Tgt Ion:153 Resp: 96526

Ion Ratio Lower Upper

153 100

152 47.6 38.0 57.0

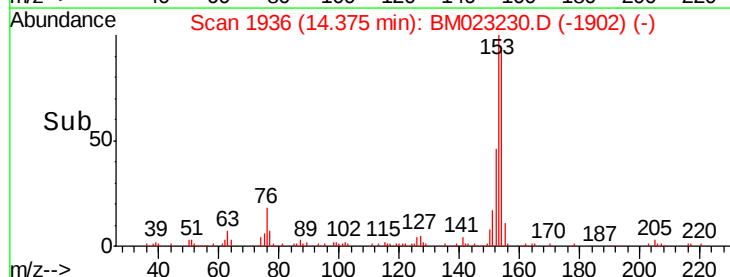
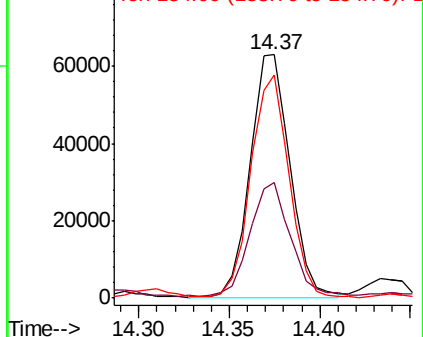
154 91.7 70.4 105.6

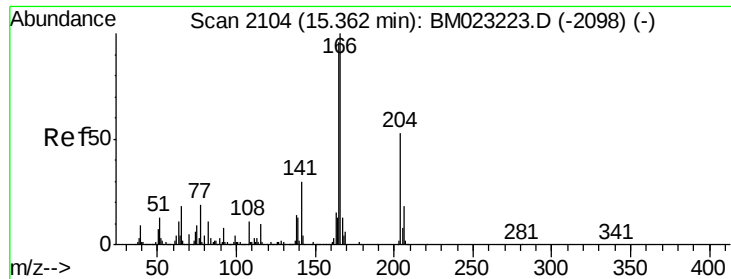


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 1.427 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

BEPL2

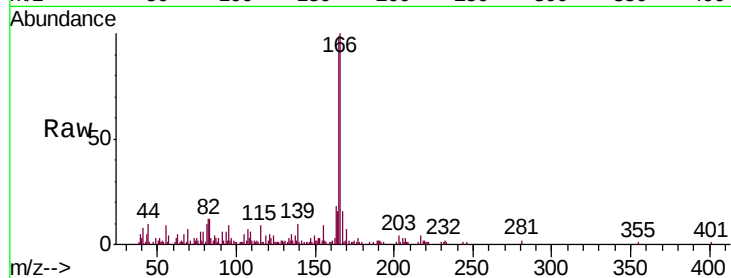
Tgt Ion:166 Resp: 93560

Ion Ratio Lower Upper

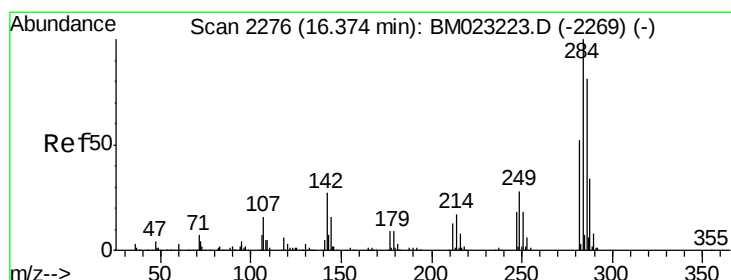
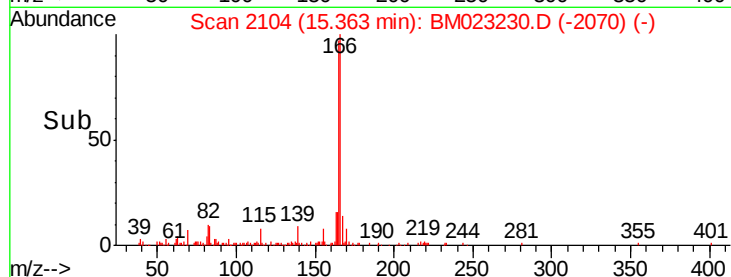
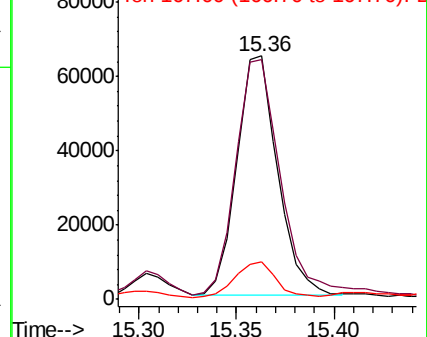
166 100

165 98.7 77.4 116.0

167 15.6 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



#67

Hexachlorobenzene

Concen: 4.036 ng/ul

RT: 16.37 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

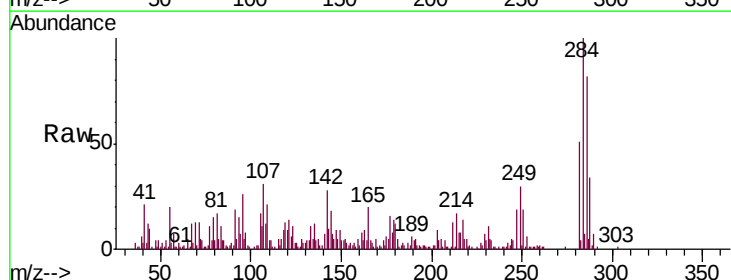
Tgt Ion:284 Resp: 96389

Ion Ratio Lower Upper

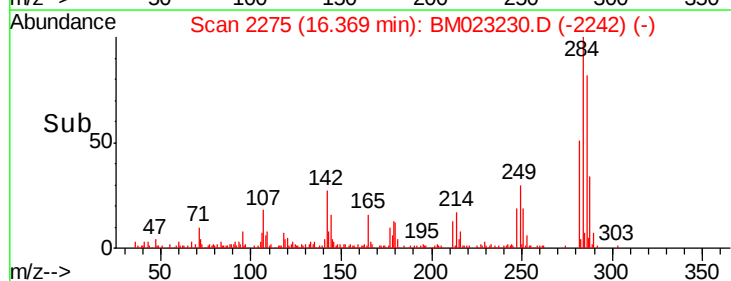
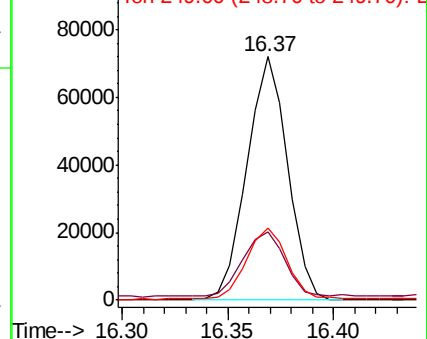
284 100

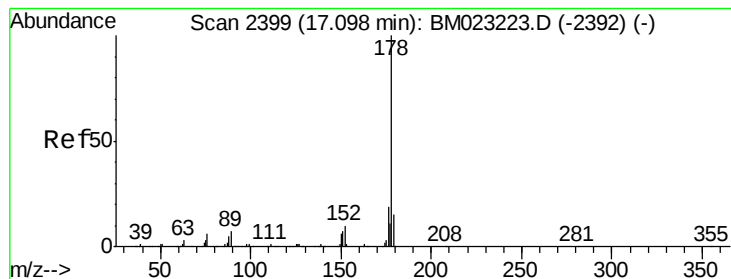
142 28.1 23.8 35.8

249 29.6 24.2 36.2



Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#70

Phenanthrene

Concen: 14.994 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

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ClientSampled :

BEPL2

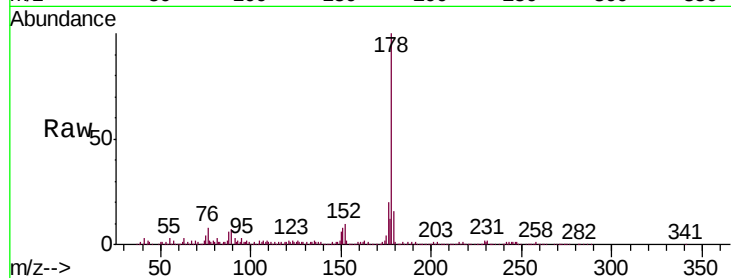
Tgt Ion:178 Resp: 1467896

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

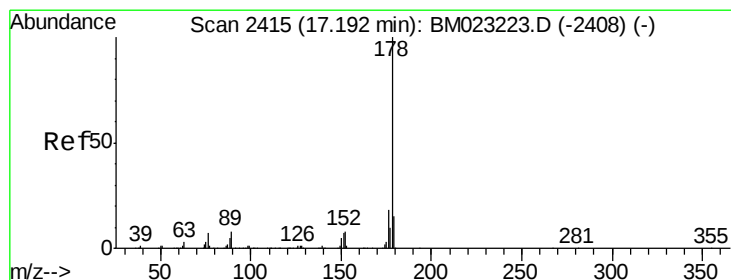
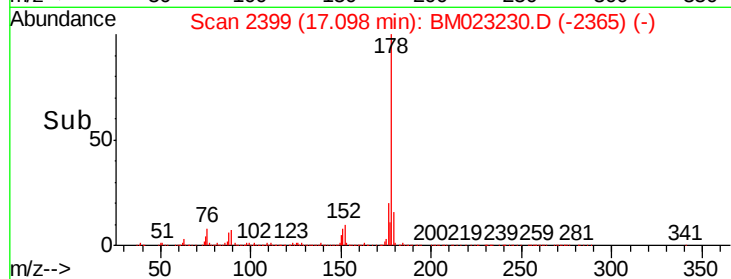
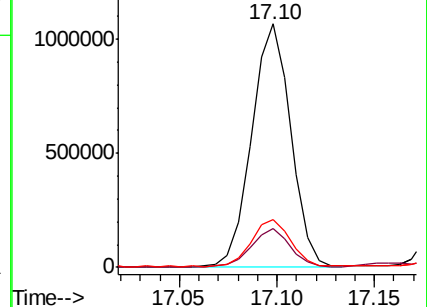
176 19.8 15.5 23.3



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: 3.769 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

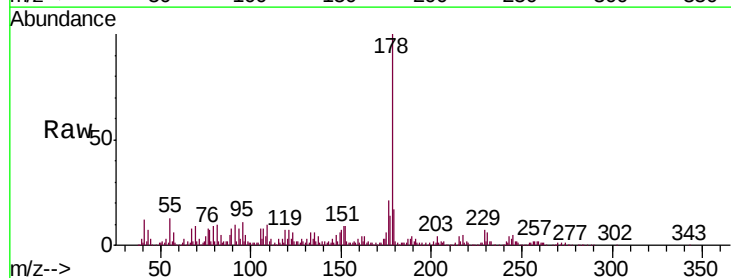
Tgt Ion:178 Resp: 381247

Ion Ratio Lower Upper

178 100

179 16.6 12.3 18.5

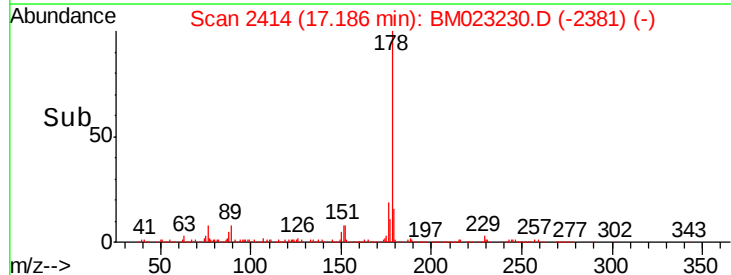
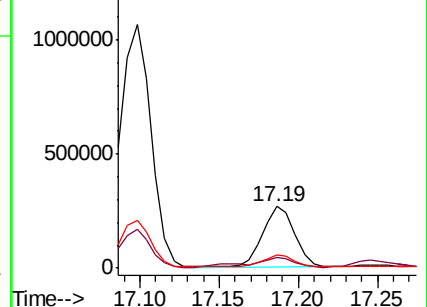
176 20.7 15.0 22.4

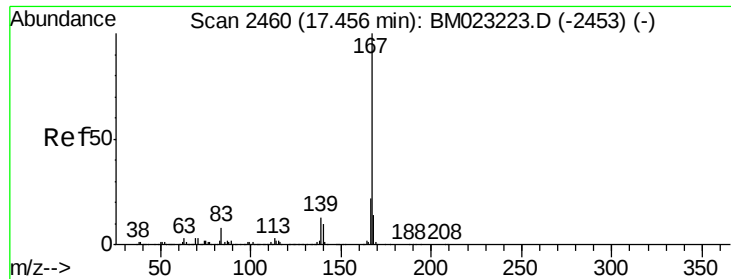


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

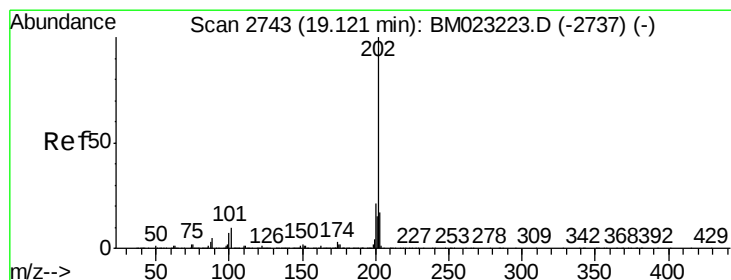
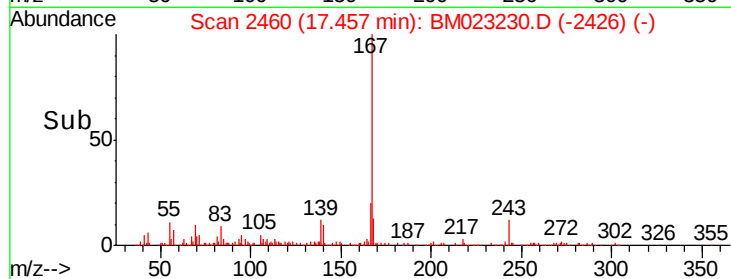
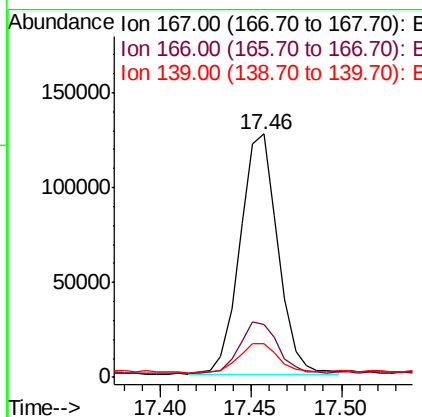
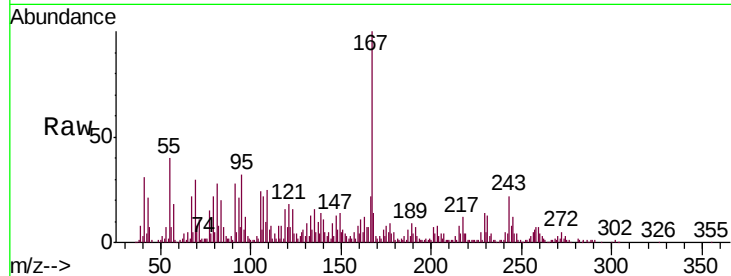




#75
 Carbazole
 Concen: 2.011 ng/ul
 RT: 17.46 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: BM023230.D
 Acq: 17 Oct 2019 21:30

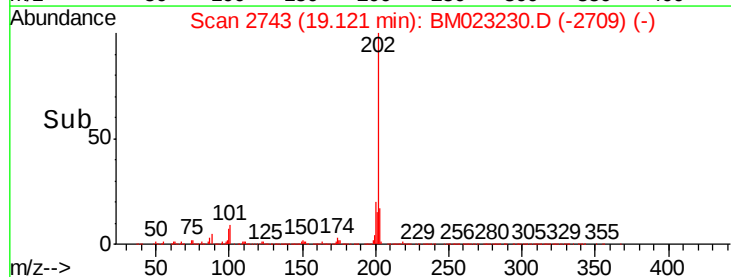
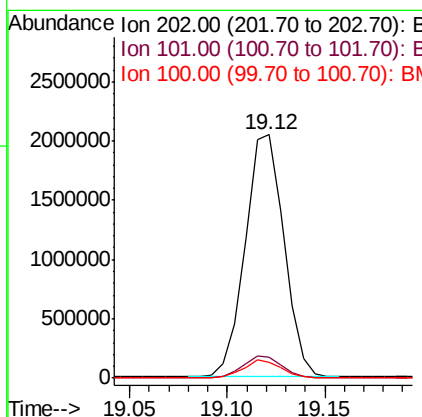
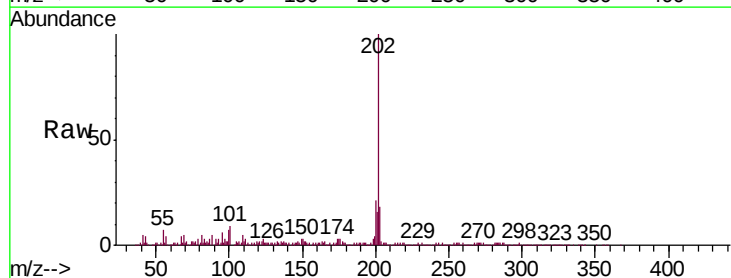
Instrument :
 BNA_M
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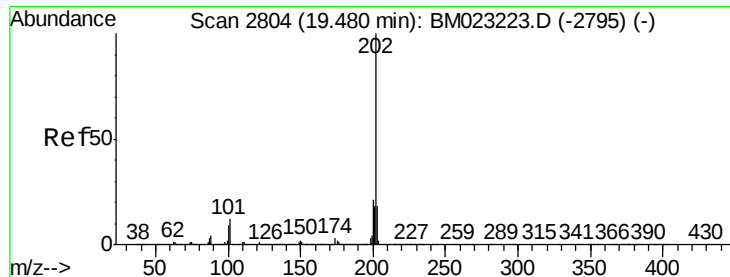
Tgt Ion:167 Resp: 181713
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 13.9 10.2 15.2



#77
 Fluoranthene
 Concen: 24.274 ng/ul
 RT: 19.12 min Scan# 2743
 Delta R.T. 0.00 min
 Lab File: BM023230.D
 Acq: 17 Oct 2019 21:30

Tgt Ion:202 Resp: 2826136
 Ion Ratio Lower Upper
 202 100
 101 8.8 7.8 11.8
 100 6.7 6.1 9.1

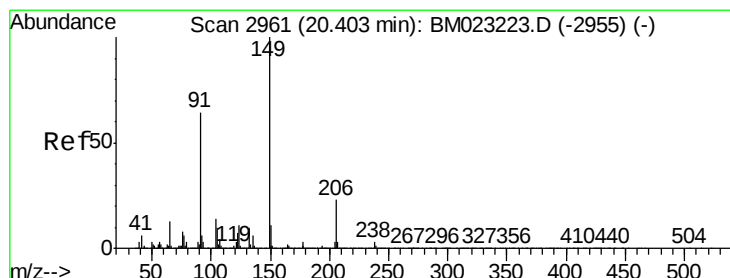
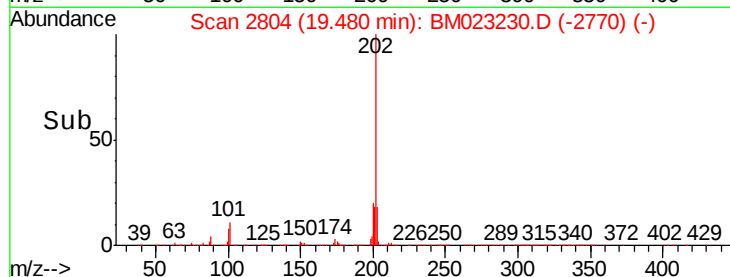
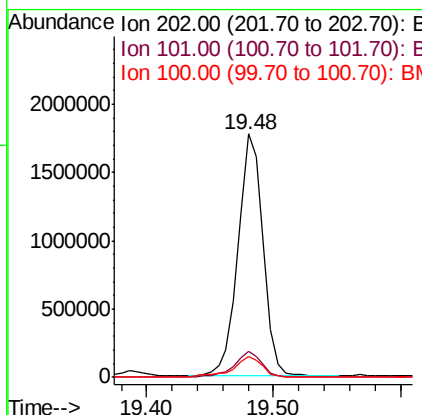
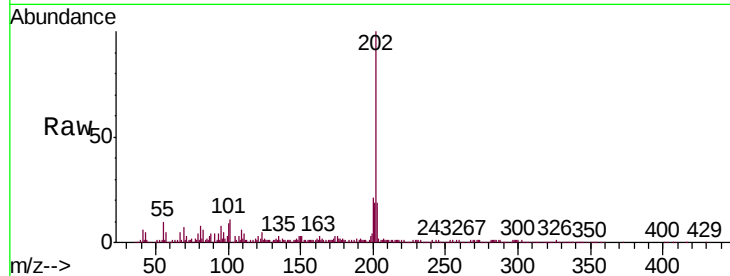




#80
 Pyrene
 Concen: 20.886 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM023230.D
 Acq: 17 Oct 2019 21:30

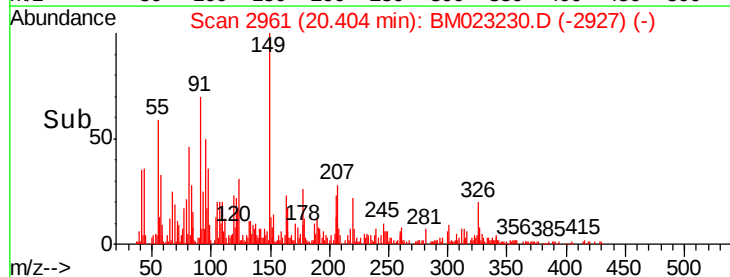
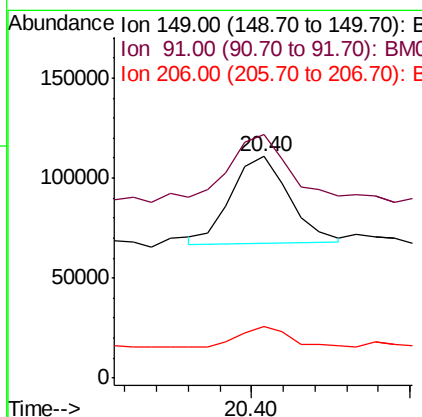
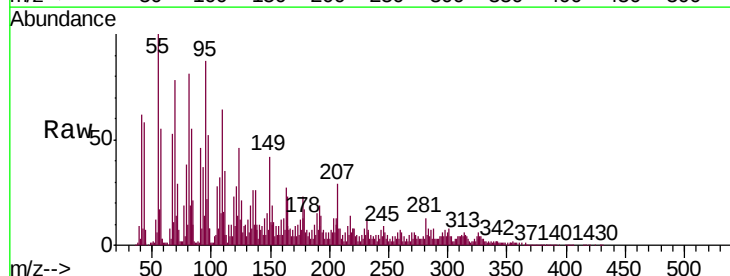
Instrument :
 BNA_M
 ClientSampleId :
 BEPL2

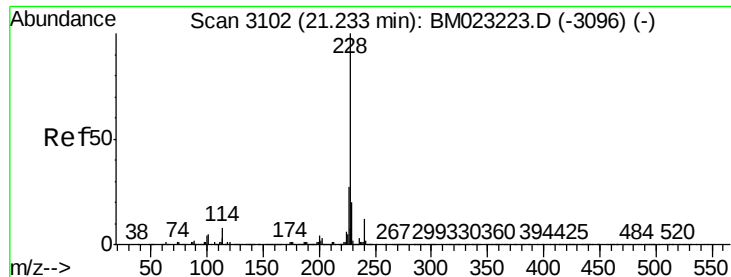
Tgt Ion: 202 Resp: 2395772
 Ion Ratio Lower Upper
 202 100
 101 10.7 9.1 13.7
 100 8.6 7.5 11.3



#81
 Butylbenzylphthalate
 Concen: 1.369 ng/ul
 RT: 20.40 min Scan# 2961
 Delta R.T. 0.00 min
 Lab File: BM023230.D
 Acq: 17 Oct 2019 21:30

Tgt Ion: 149 Resp: 54625
 Ion Ratio Lower Upper
 149 100
 91 109.9 59.9 89.9#
 206 23.4 17.1 25.7





#83

Benzo(a)anthracene

Concen: 12.028 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

BEPL2

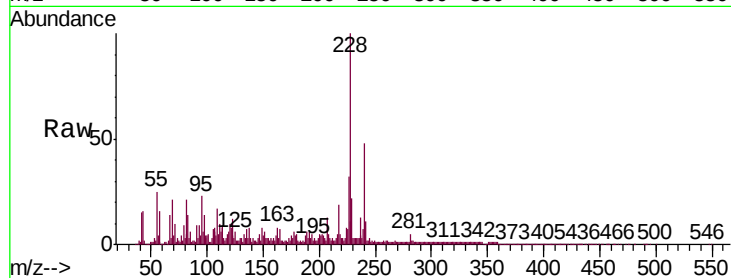
Tgt Ion:228 Resp: 1492283

Ion Ratio Lower Upper

228 100

229 22.1 15.7 23.5

226 31.8 21.6 32.4

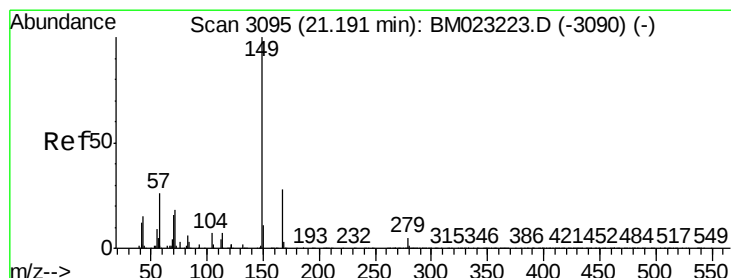
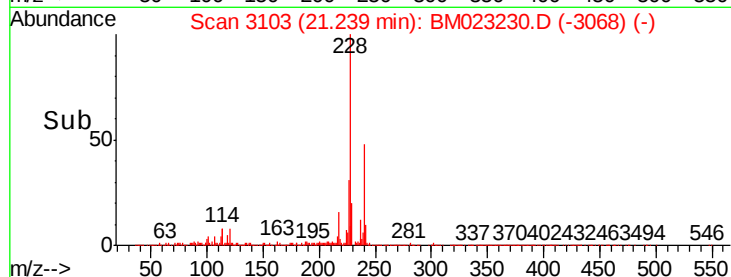
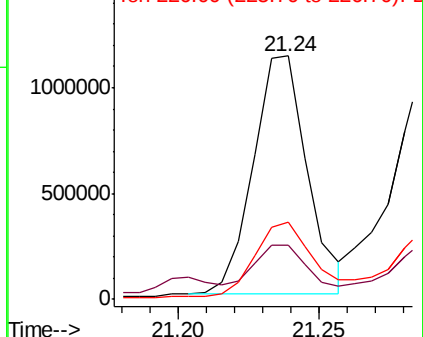


Abundance

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: 7.866 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

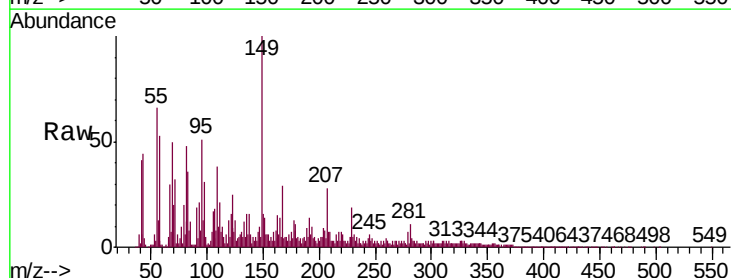
Tgt Ion:149 Resp: 499003

Ion Ratio Lower Upper

149 100

167 29.2 22.5 33.7

279 7.2 4.0 6.0#

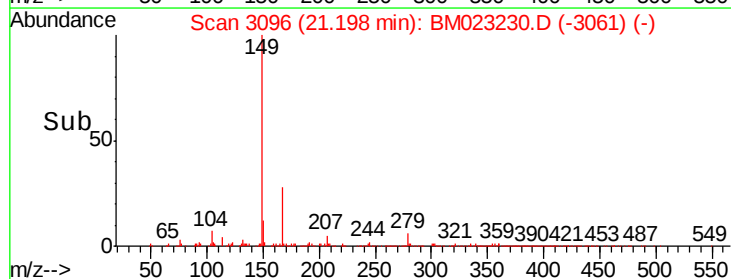
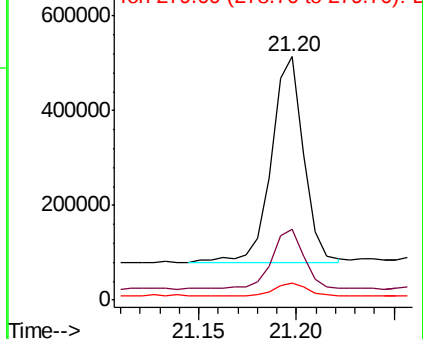


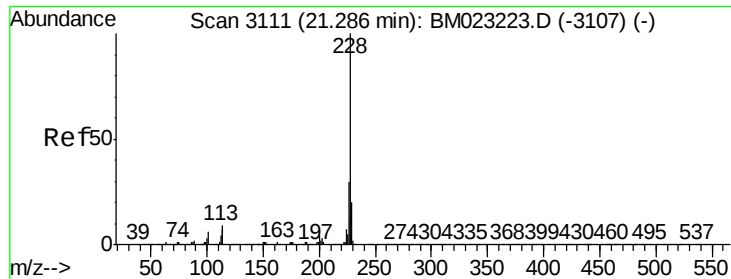
Abundance

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: 13.421 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.05 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

BEPL2

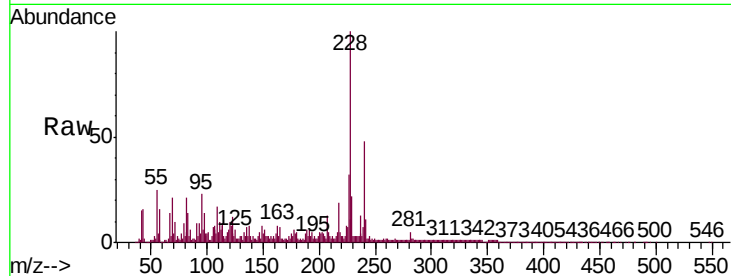
Tgt Ion:228 Resp: 1546111

Ion Ratio Lower Upper

228 100

226 31.8 23.8 35.6

229 22.1 15.5 23.3

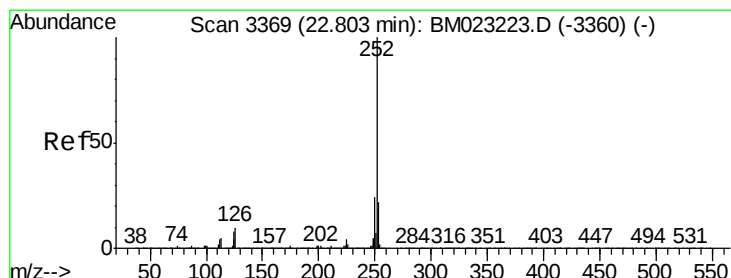
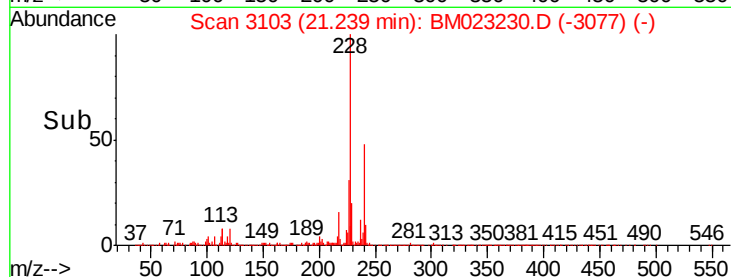
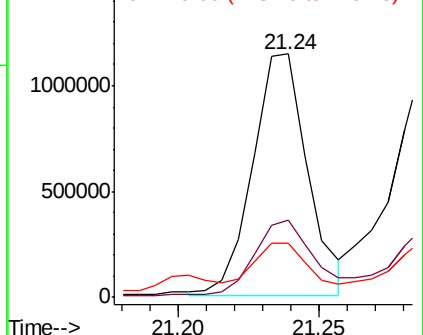


Abundance

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: 18.838 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. 0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

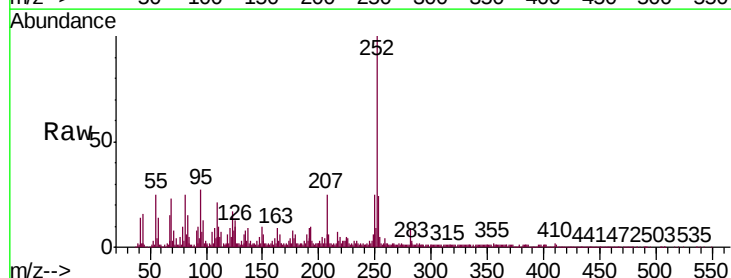
Tgt Ion:252 Resp: 2594134

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 13.0 6.4 9.6#

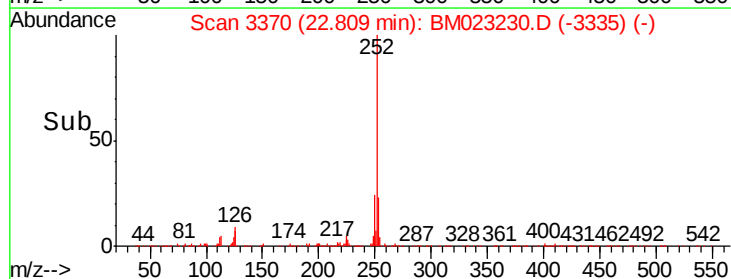
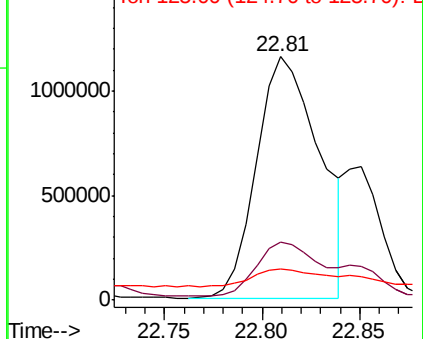


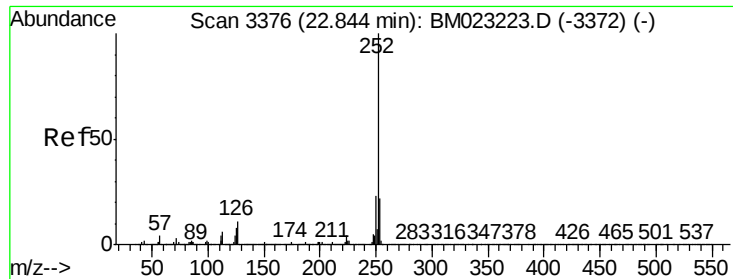
Abundance

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: 19.618 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. -0.03 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

BEPL2

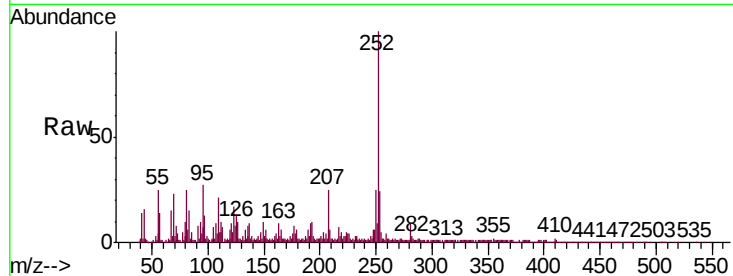
Tgt Ion:252 Resp: 2594134

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 13.0 6.5 9.7#

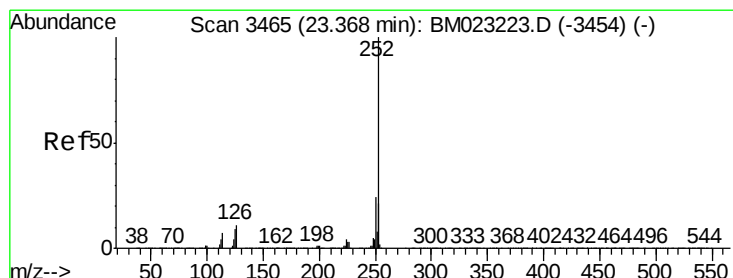
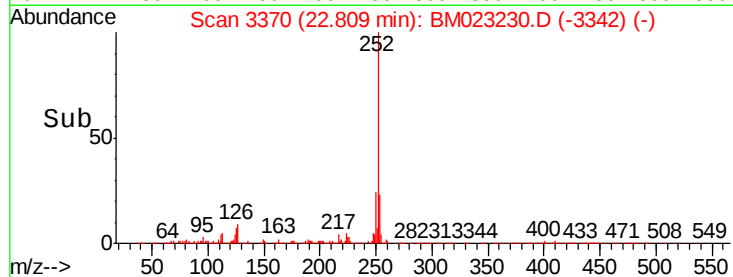
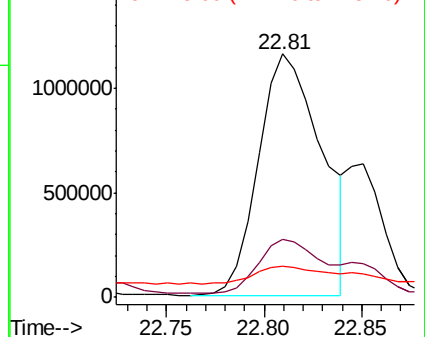


Abundance

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: 13.363 ng/ul

RT: 23.37 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

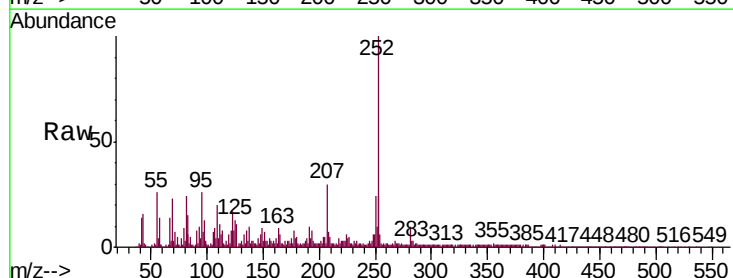
Tgt Ion:252 Resp: 1765525

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 12.9 7.4 11.0#

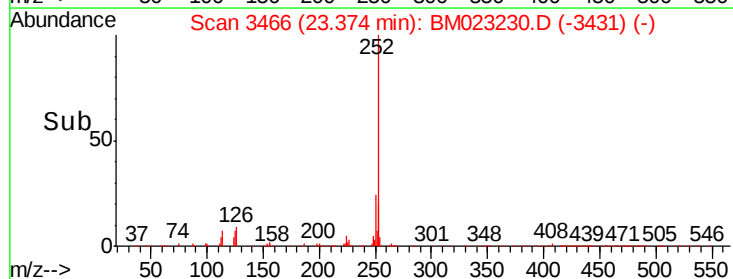
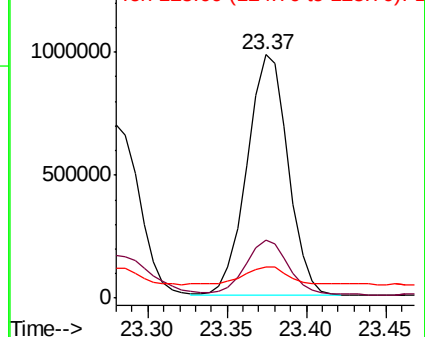


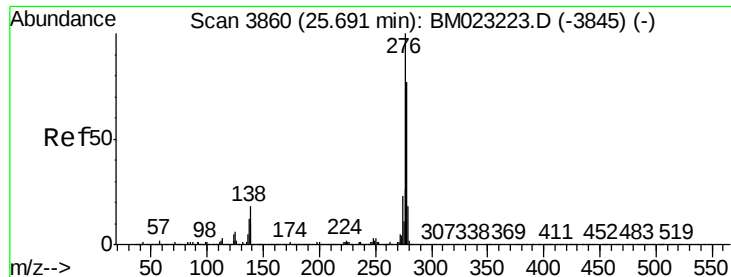
Abundance

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: 9.625 ng/ul

RT: 25.70 min Scan# 3861

Delta R.T. 0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

BEPL2

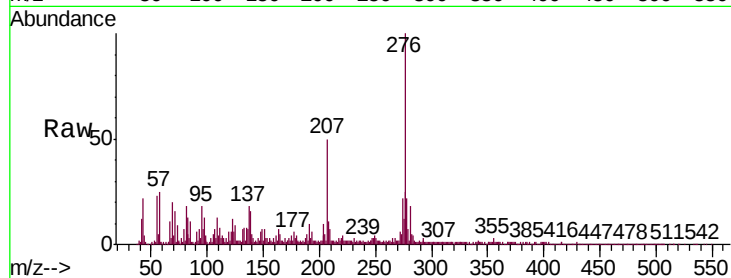
Tgt Ion:276 Resp: 1512836

Ion Ratio Lower Upper

276 100

138 16.3 14.9 22.3

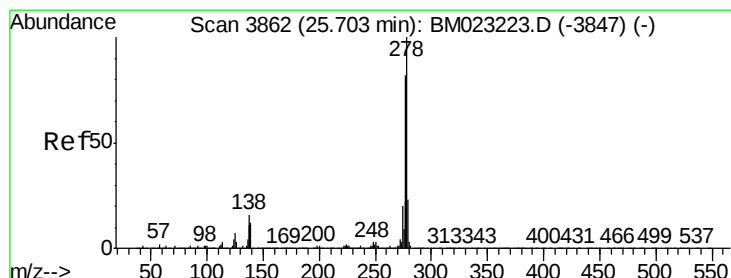
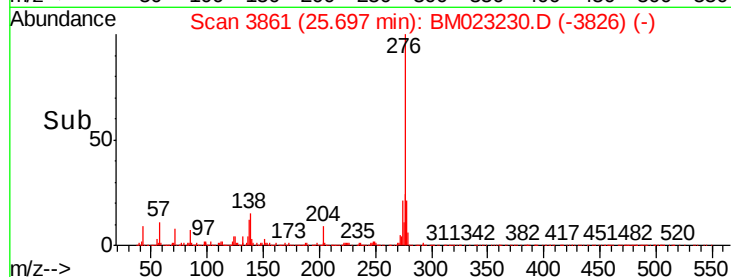
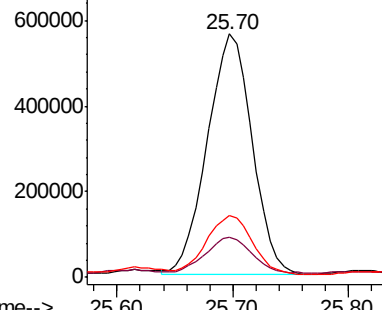
277 25.2 19.8 29.8



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: 2.922 ng/ul

RT: 25.70 min Scan# 3862

Delta R.T. 0.00 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

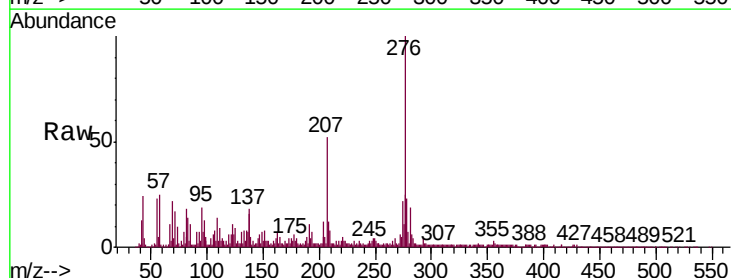
Tgt Ion:278 Resp: 383999

Ion Ratio Lower Upper

278 100

139 22.0 10.0 15.0#

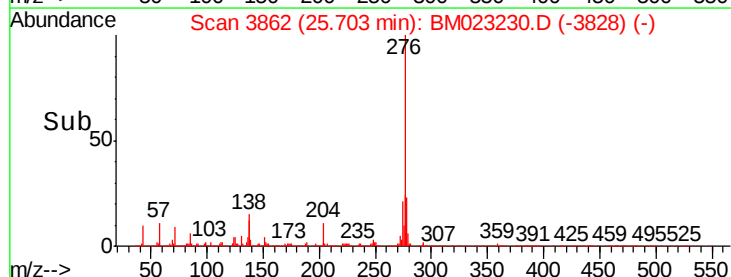
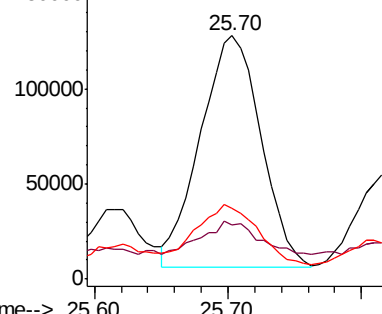
279 29.1 19.4 29.0#

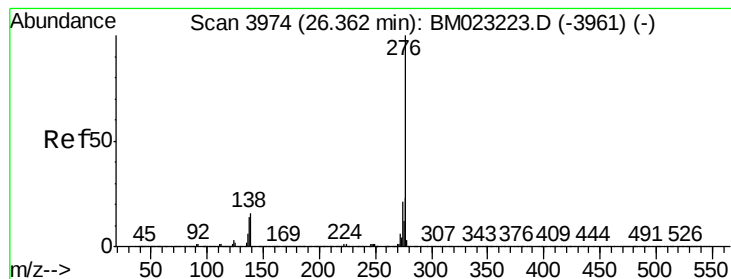


Abundance Ion 278.00 (277.70 to 278.70): E

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: 12.161 ng/ul

RT: 26.37 min Scan# 3976

Delta R.T. 0.01 min

Lab File: BM023230.D

Acq: 17 Oct 2019 21:30

Instrument :

BNA_M

ClientSampleId :

BEPL2

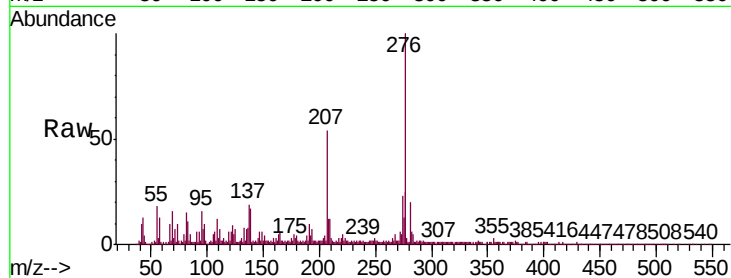
Tgt Ion:276 Resp: 1573692

Ion Ratio Lower Upper

276 100

138 16.6 14.4 21.6

277 25.2 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

