

Data File : BM023225.D
Acq On : 17 Oct 2019 18:29
Operator : JU
Sample : K5236-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPL8

Quant Time: Oct 18 06:55:01 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	384506	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1531852	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	943222	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1845616	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	1947351	20.00	ng/ul	0.00
86) Perylene-d12	23.47	264	2351950	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	28369	3.25	ng/uL	0.00
5) Phenol-d5	6.84	99	555716	16.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	319649	16.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	466382	18.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	309555	11.51	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	225490	21.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	244999	24.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	470721	18.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	355893	11.66	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1436185	19.87	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1694106	19.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.51	143	161111	13.77	ng/ul	0.00
58) Fluorene-d10	15.30	176	1270110	20.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	110563	15.11	ng/ul	0.00
71) Anthracene-d10	17.16	188	1803711	20.27	ng/ul	0.00
79) Pyrene-d10	19.46	212	2089751	22.16	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.34	264	2535470	21.27	ng/ul	0.02

Target Compounds

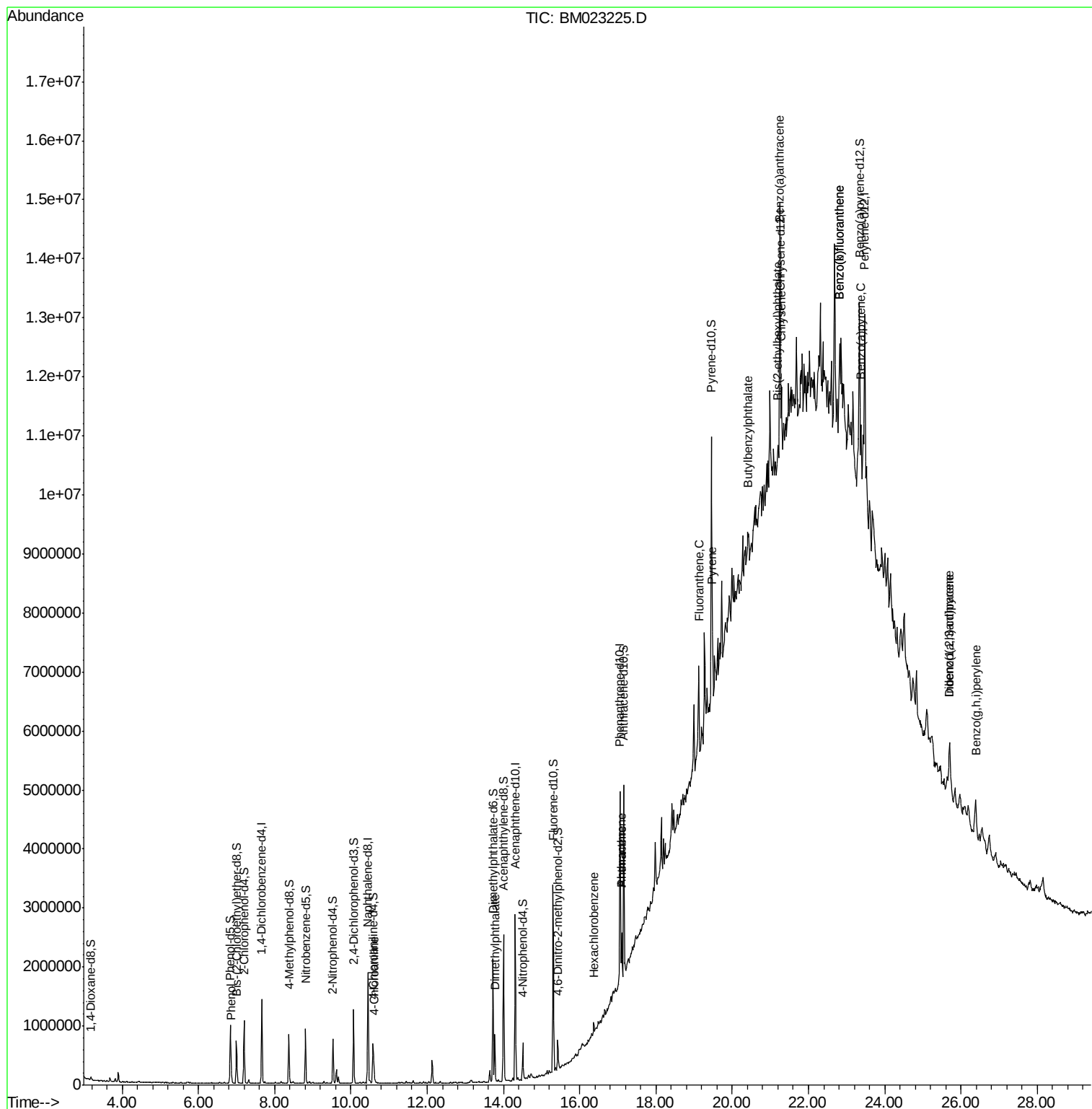
					Qvalue
6) Phenol	6.86	94	91660	2.654	ng/ul 99
30) 4-Chloroaniline	10.60	127	130918	4.144	ng/ul 97
45) Dimethylphthalate	13.77	163	523368	7.234	ng/ul 99
67) Hexachlorobenzene	16.37	284	43333	1.715	ng/ul 96
70) Phenanthrene	17.10	178	476130	4.597	ng/ul 98
72) Anthracene	17.10	178	476130	4.448	ng/ul 97
77) Fluoranthene	19.12	202	855531	6.945	ng/ul 99
80) Pyrene	19.49	202	712342	5.839	ng/ul 98
81) Butylbenzylphthalate	20.40	149	54922	1.294	ng/ul# 61
83) Benzo(a)anthracene	21.24	228	465221	3.526	ng/ul# 88
84) Bis(2-ethylhexyl)phthalate	21.20	149	121909	1.807	ng/ul# 94
85) Chrysene	21.29	228	513314	4.190	ng/ul# 88
88) Benzo(b)fluoranthene	22.82	252	875792	6.142	ng/ul# 83
89) Benzo(k)fluoranthene	22.82	252	875792	6.396	ng/ul# 83
91) Benzo(a)pyrene	23.38	252	524260	3.832	ng/ul# 79
92) Indeno(1,2,3-cd)pyrene	25.70	276	559793	3.439	ng/ul 98
93) Dibenzo(a,h)anthracene	25.70	278	139164	1.023	ng/ul# 57
94) Benzo(g,h,i)perylene	26.38	276	675650	5.042	ng/ul 99

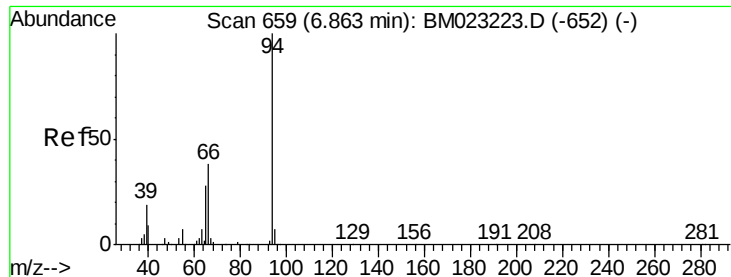
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.654 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM023225.D

Acq: 17 Oct 2019 18:29

Instrument :

BNA_M

ClientSampleId :

BEPL8

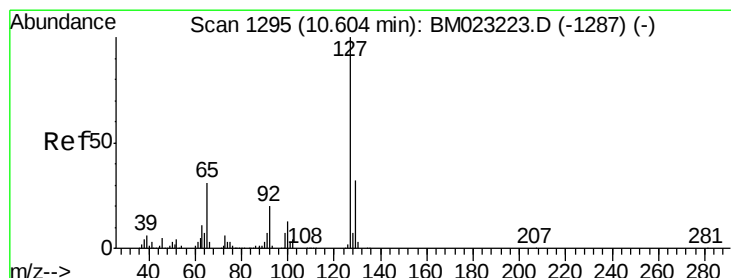
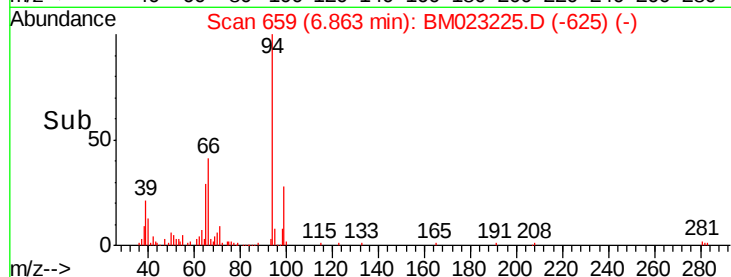
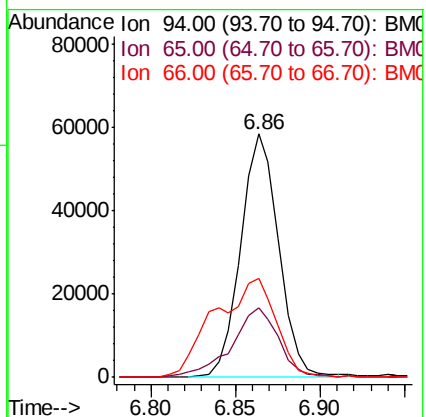
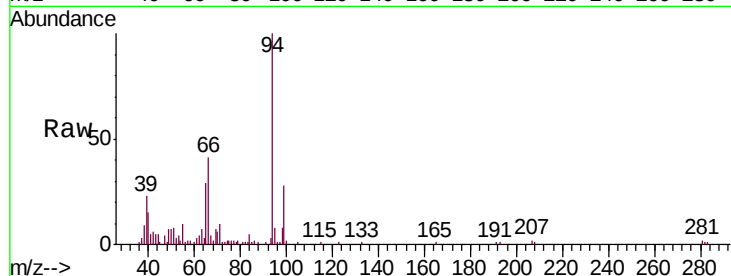
Tgt Ion: 94 Resp: 91660

Ion Ratio Lower Upper

94 100

65 28.7 23.7 35.5

66 40.8 32.9 49.3



#30

4-Chloroaniline

Concen: 4.144 ng/ul

RT: 10.60 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BM023225.D

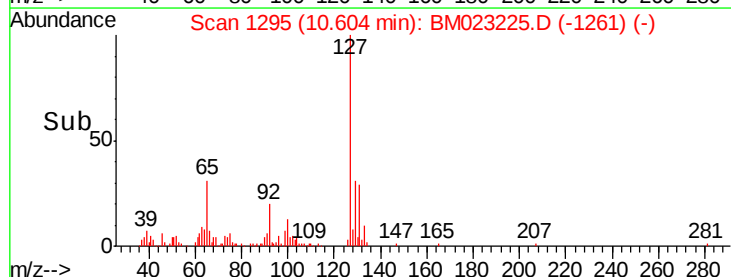
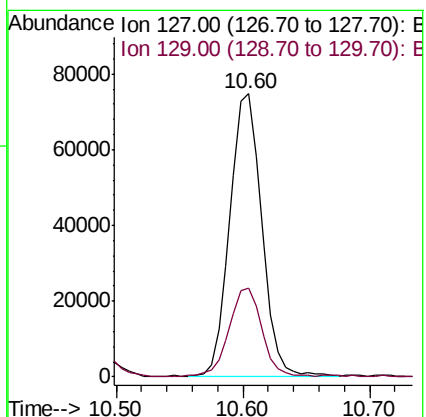
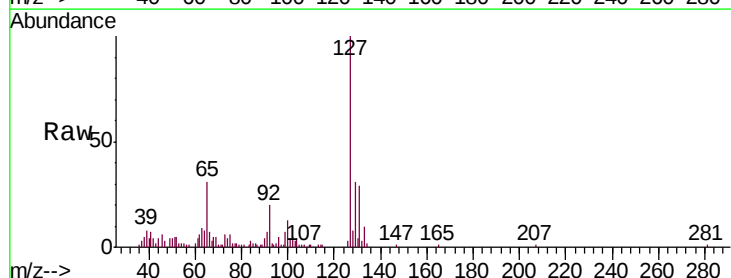
Acq: 17 Oct 2019 18:29

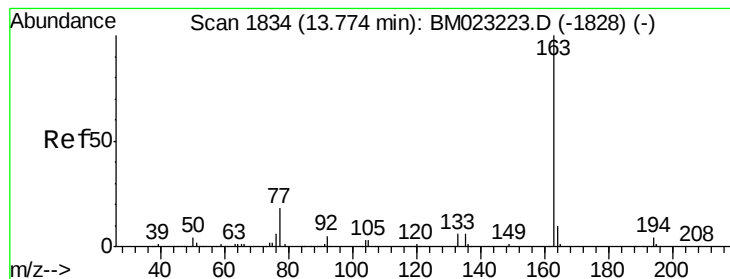
Tgt Ion: 127 Resp: 130918

Ion Ratio Lower Upper

127 100

129 31.3 26.3 39.5

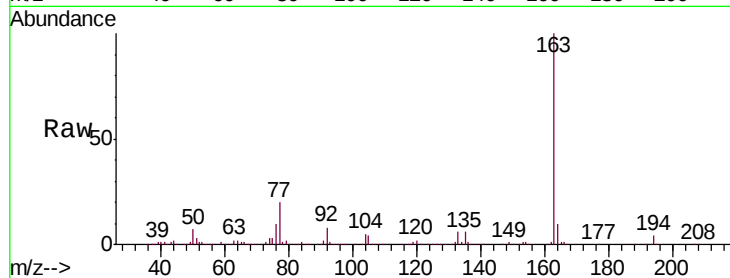




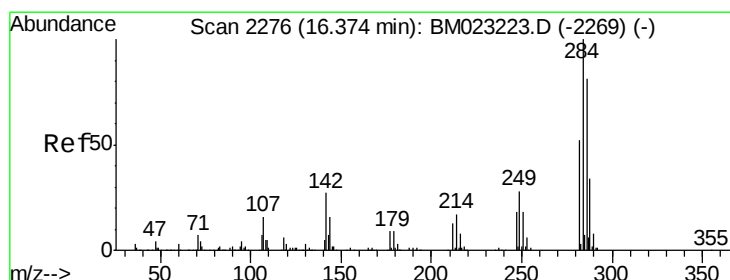
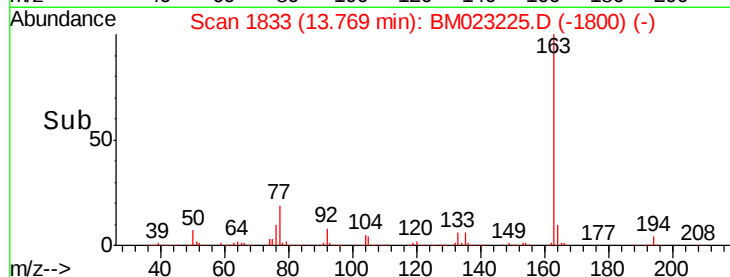
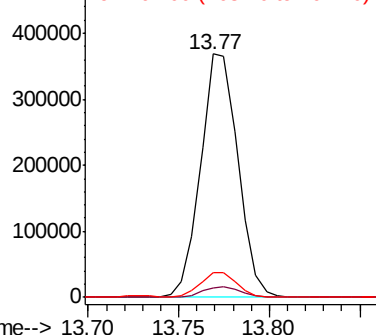
#45
Dimethylphthalate
Concen: 7.234 ng/ul
RT: 13.77 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BM023225.D
Acq: 17 Oct 2019 18:29

Instrument :
BNA_M
ClientSampleId :
BEPL8

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.5	5.3
164	9.9	8.0	12.0

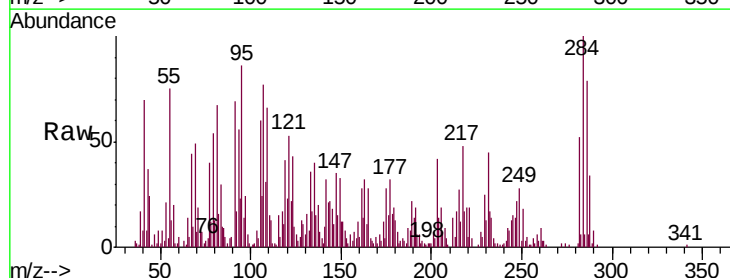


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

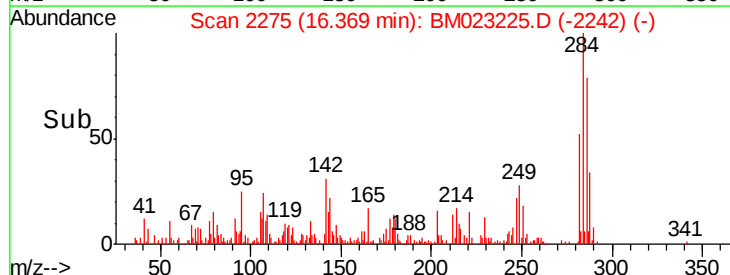
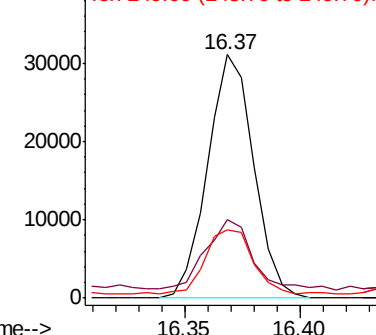


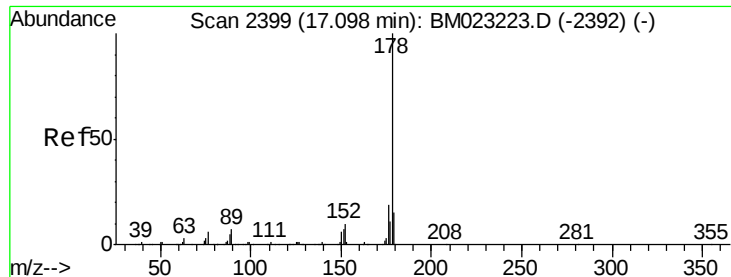
#67
Hexachlorobenzene
Concen: 1.715 ng/ul
RT: 16.37 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BM023225.D
Acq: 17 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.4	23.8	35.8
249	28.2	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: 4.597 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM023225.D

Acq: 17 Oct 2019 18:29

Instrument :

BNA_M

ClientSampleId :

BEPL8

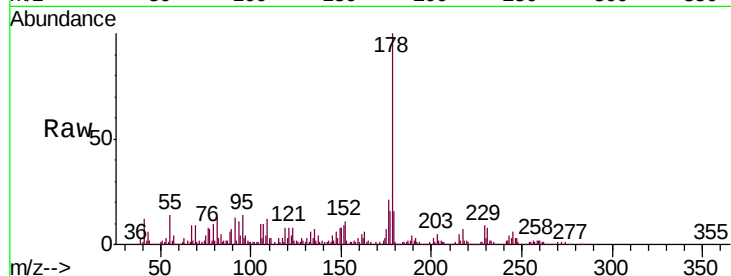
Tgt Ion:178 Resp: 476130

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

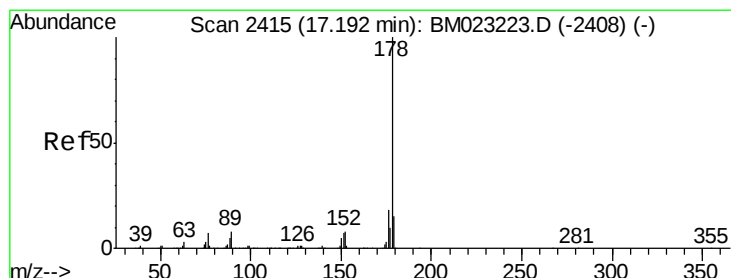
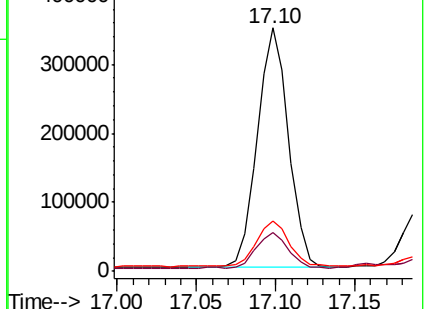
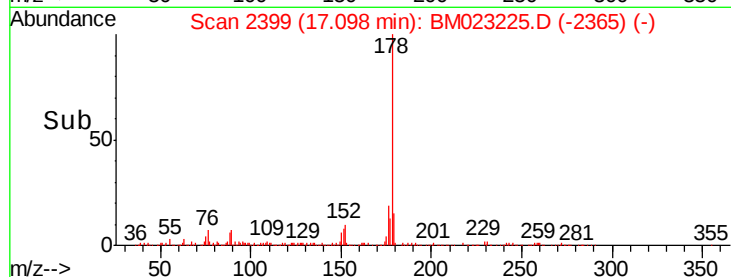
176 20.7 15.5 23.3



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: 4.448 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. -0.09 min

Lab File: BM023225.D

Acq: 17 Oct 2019 18:29

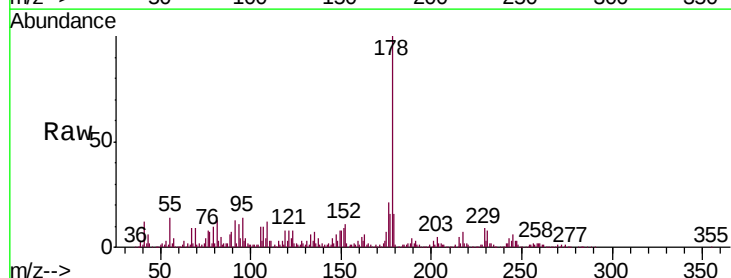
Tgt Ion:178 Resp: 476130

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

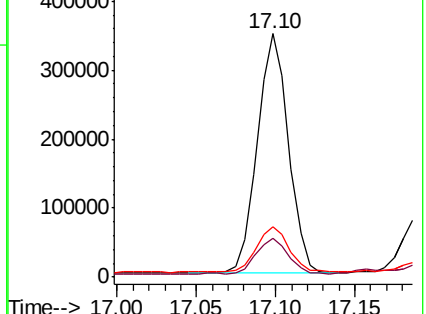
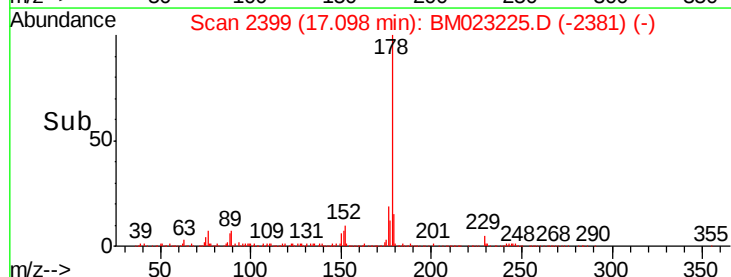
176 20.7 15.0 22.4

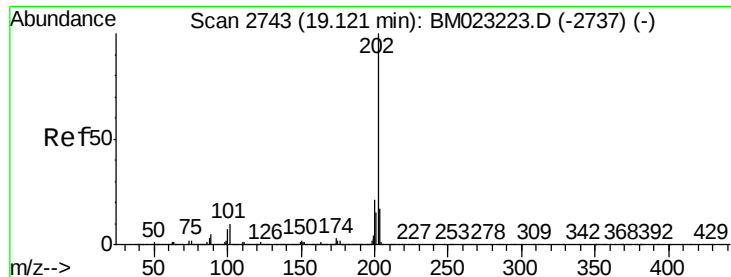


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

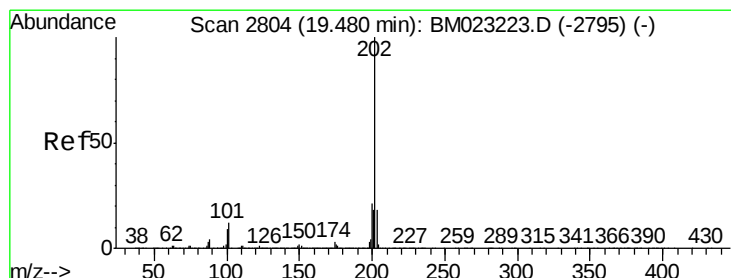
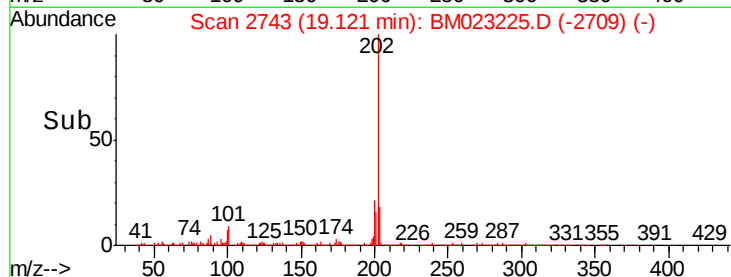
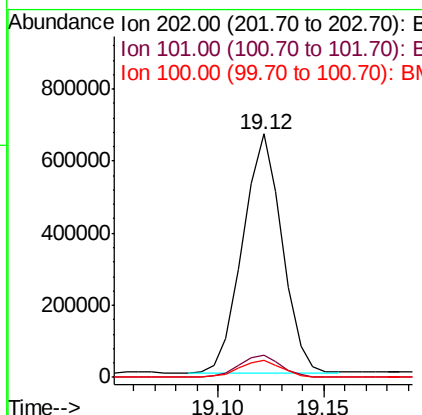
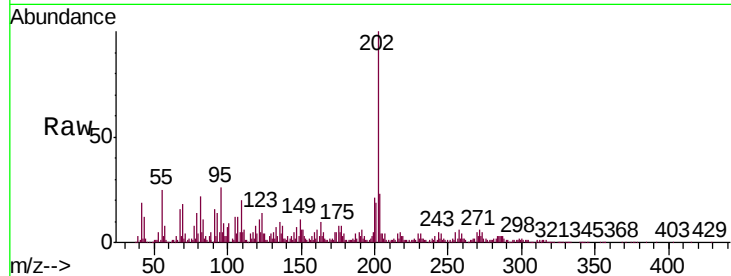




#77
Fluoranthene
Concen: 6.945 ng/ul
RT: 19.12 min Scan# 2743
Delta R.T. 0.00 min
Lab File: BM023225.D
Acq: 17 Oct 2019 18:29

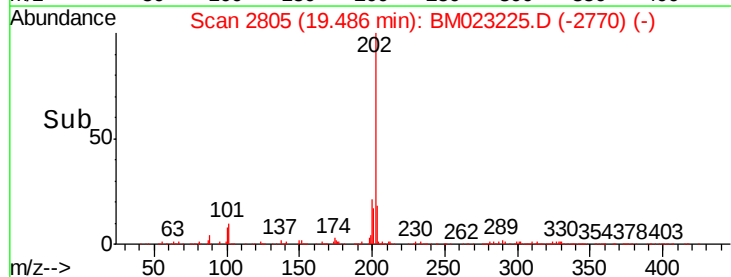
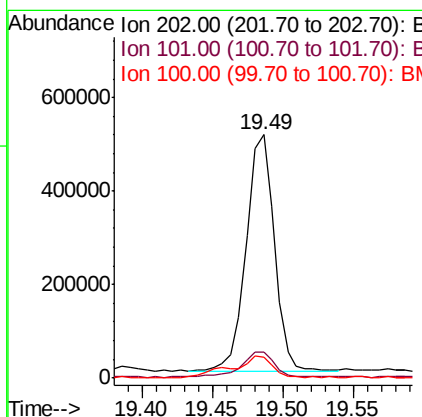
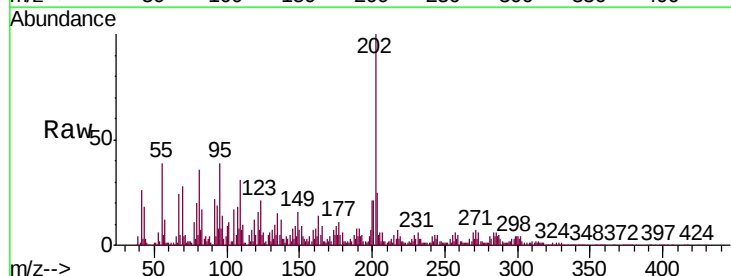
Instrument :
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ClientSampleId :
BEPL8

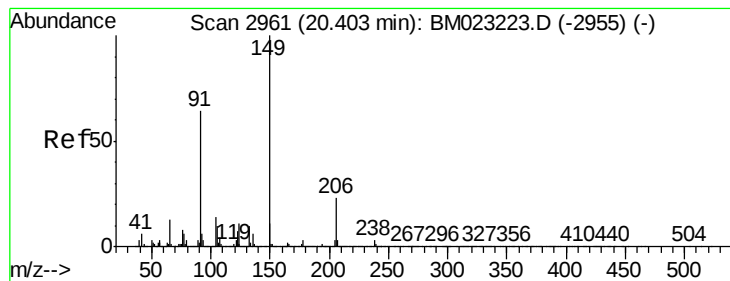
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.8	11.8
100	7.0	6.1	9.1



#80
Pyrene
Concen: 5.839 ng/ul
RT: 19.49 min Scan# 2805
Delta R.T. 0.01 min
Lab File: BM023225.D
Acq: 17 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.1	13.7
100	8.5	7.5	11.3





#81

Butylbenzylphthalate

Concen: 1.294 ng/ul

RT: 20.40 min Scan# 2961

Delta R.T. 0.00 min

Lab File: BM023225.D

Acq: 17 Oct 2019 18:29

Instrument :

BNA_M

ClientSampleId :

BEPL8

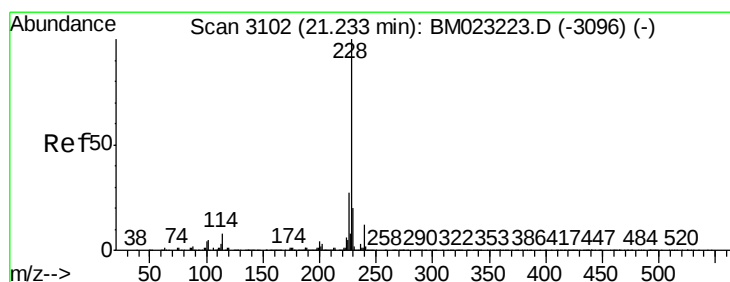
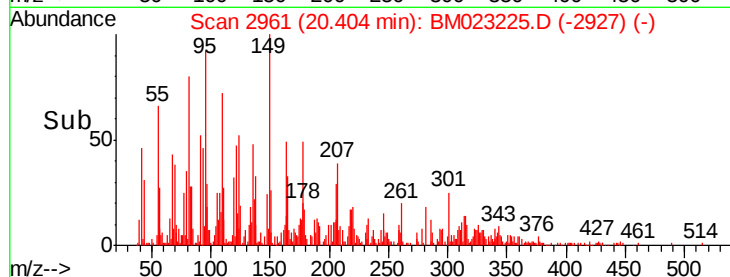
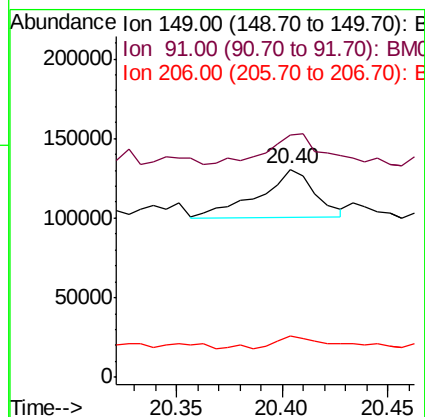
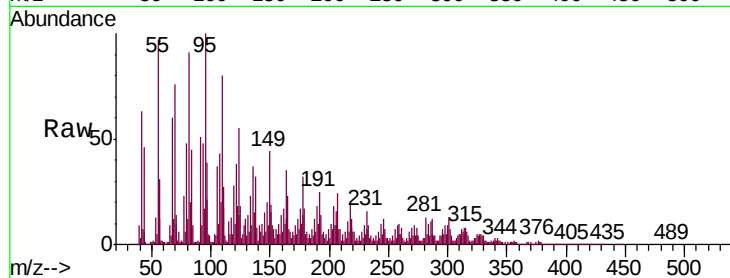
Tgt Ion:149 Resp: 54922

Ion Ratio Lower Upper

149 100

91 116.5 59.9 89.9#

206 19.8 17.1 25.7



#83

Benzo(a)anthracene

Concen: 3.526 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM023225.D

Acq: 17 Oct 2019 18:29

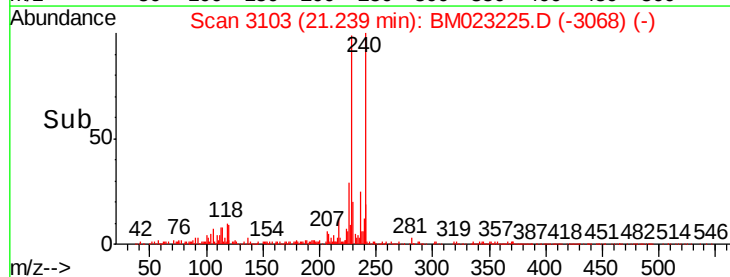
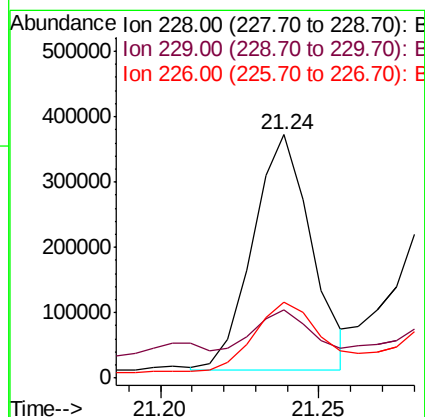
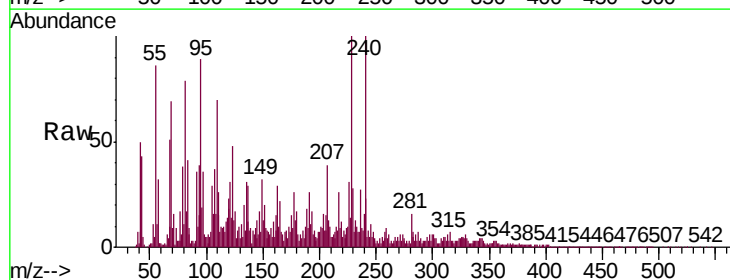
Tgt Ion:228 Resp: 465221

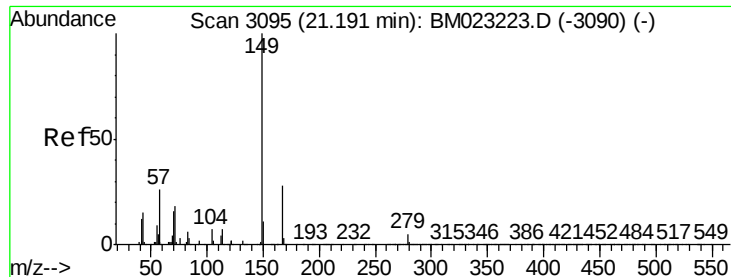
Ion Ratio Lower Upper

228 100

229 28.0 15.7 23.5#

226 31.0 21.6 32.4

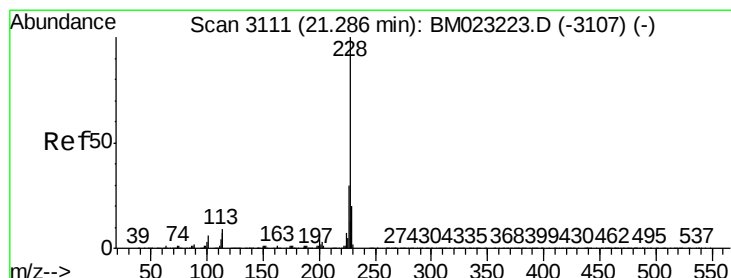
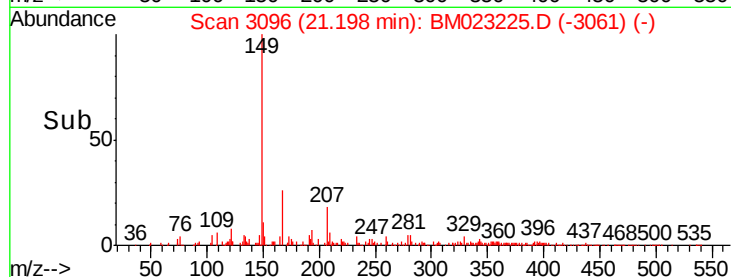
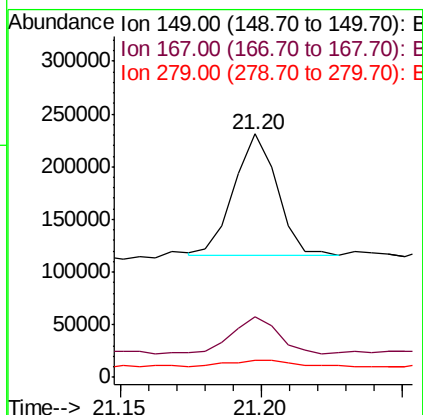
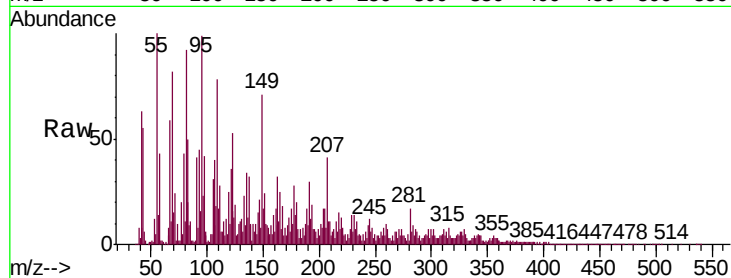




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.807 ng/ul
 RT: 21.20 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BM023225.D
 Acq: 17 Oct 2019 18:29

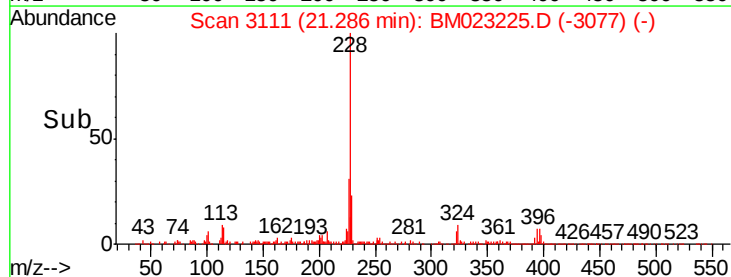
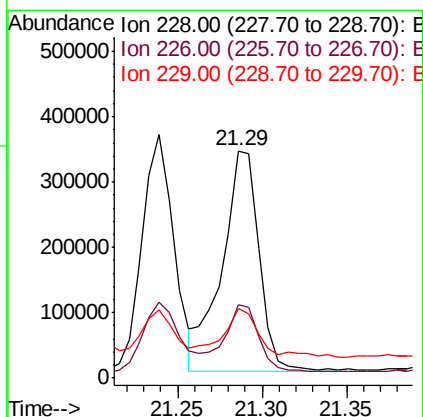
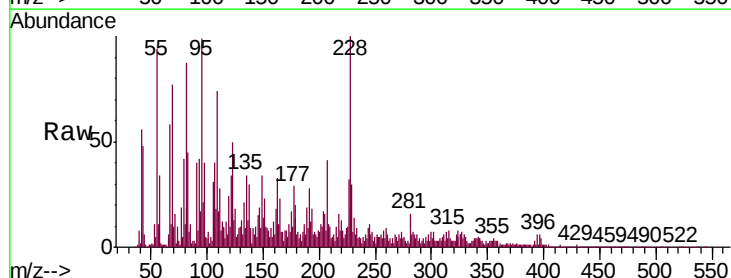
Instrument :
 BNA_M
 ClientSampleId :
 BEPL8

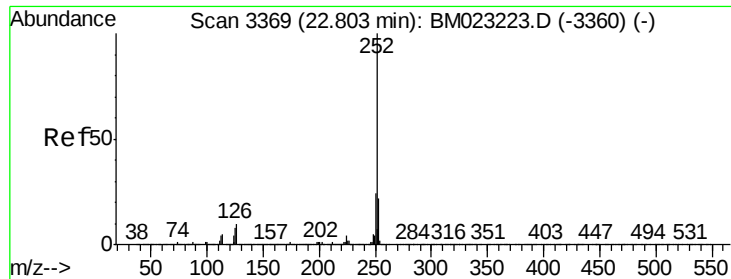
Tgt Ion:149 Resp: 121909
 Ion Ratio Lower Upper
 149 100
 167 24.8 22.5 33.7
 279 7.2 4.0 6.0#



#85
 Chrysene
 Concen: 4.190 ng/ul
 RT: 21.29 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: BM023225.D
 Acq: 17 Oct 2019 18:29

Tgt Ion:228 Resp: 513314
 Ion Ratio Lower Upper
 228 100
 226 32.1 23.8 35.6
 229 30.3 15.5 23.3#

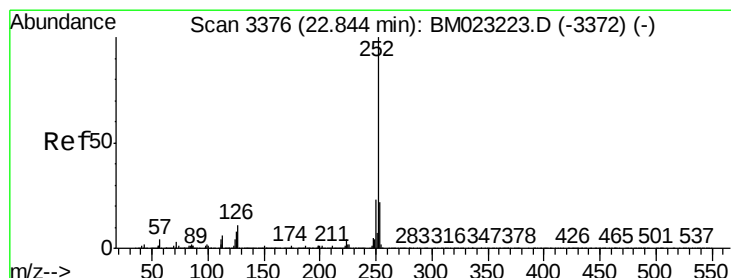
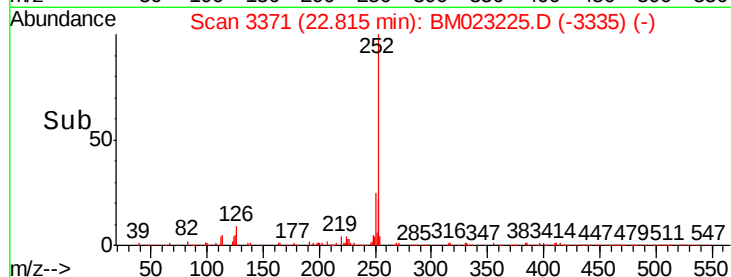
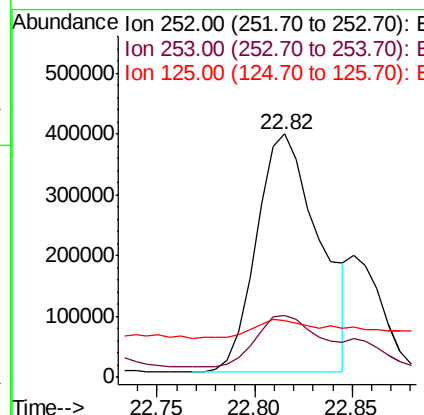
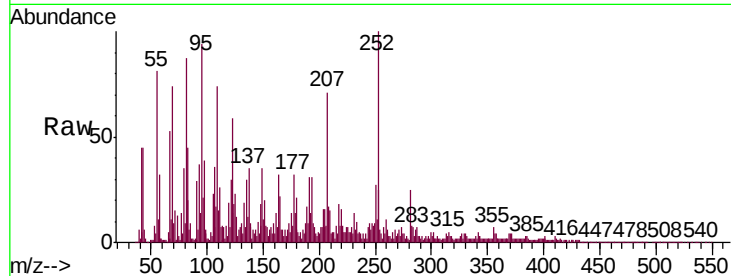




#88
Benzo(b)fluoranthene
Concen: 6.142 ng/ul
RT: 22.82 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BM023225.D
Acq: 17 Oct 2019 18:29

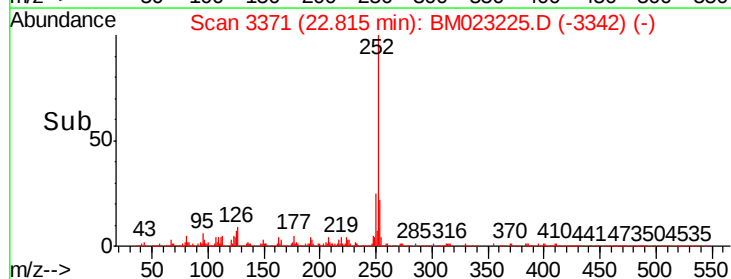
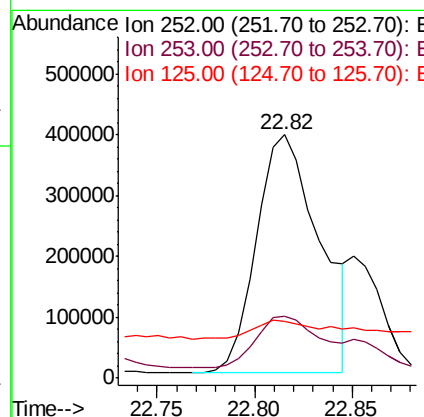
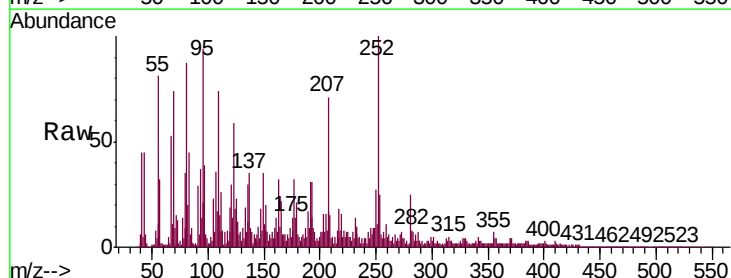
Instrument :
BNA_M
ClientSampleId :
BEPL8

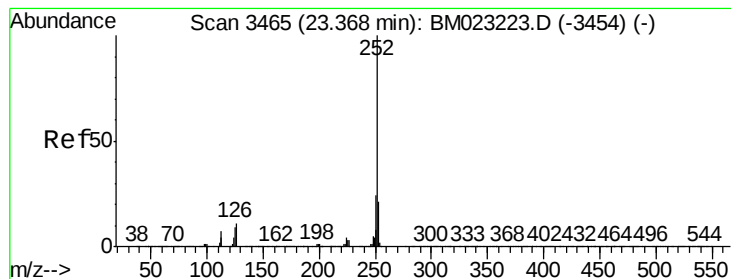
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.6	26.4
125	23.5	6.4	9.6#



#89
Benzo(k)fluoranthene
Concen: 6.396 ng/ul
RT: 22.82 min Scan# 3371
Delta R.T. -0.03 min
Lab File: BM023225.D
Acq: 17 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.4	26.0
125	23.5	6.5	9.7#





#91

Benzo(a)pyrene

Concen: 3.832 ng/ul

RT: 23.38 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BM023225.D

Acq: 17 Oct 2019 18:29

Instrument :

BNA_M

ClientSampleId :

BEPL8

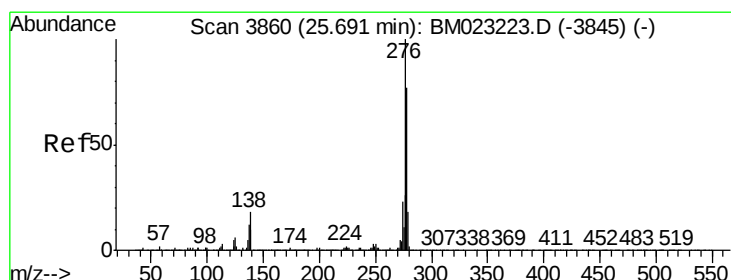
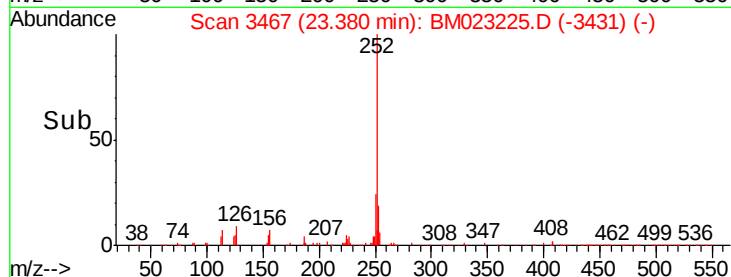
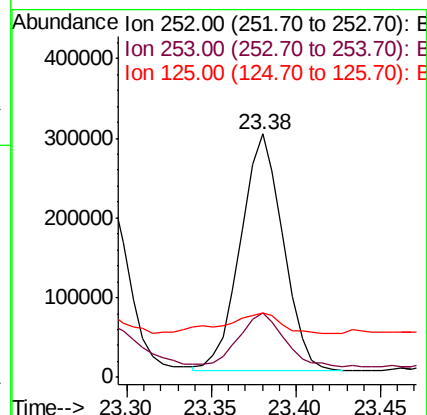
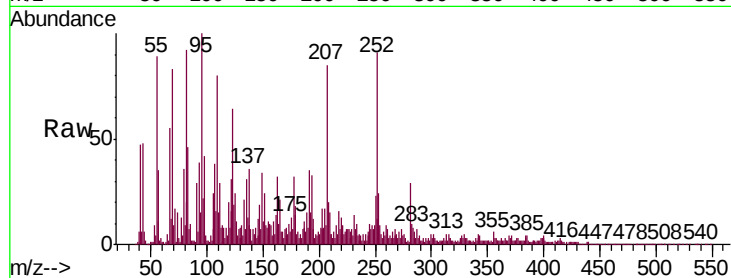
Tgt Ion:252 Resp: 524260

Ion Ratio Lower Upper

252 100

253 26.4 17.2 25.8#

125 26.3 7.4 11.0#



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.439 ng/ul

RT: 25.70 min Scan# 3862

Delta R.T. 0.01 min

Lab File: BM023225.D

Acq: 17 Oct 2019 18:29

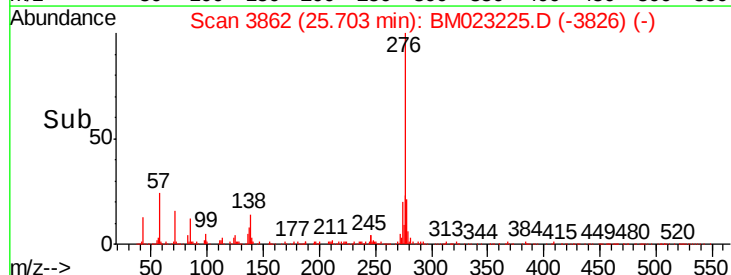
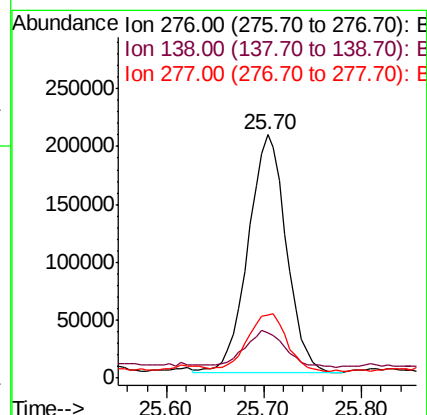
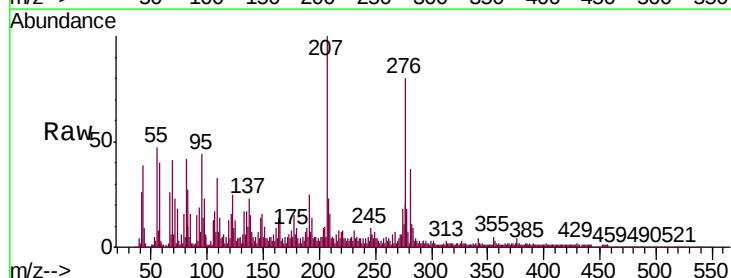
Tgt Ion:276 Resp: 559793

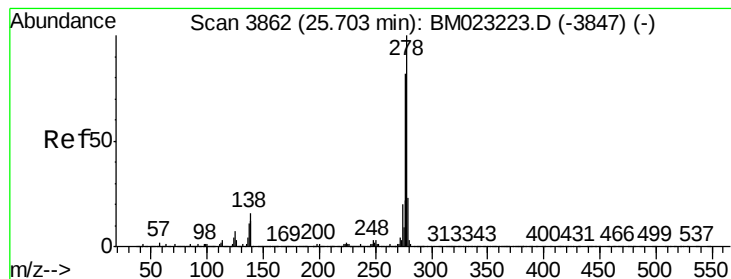
Ion Ratio Lower Upper

276 100

138 18.8 14.9 22.3

277 26.1 19.8 29.8

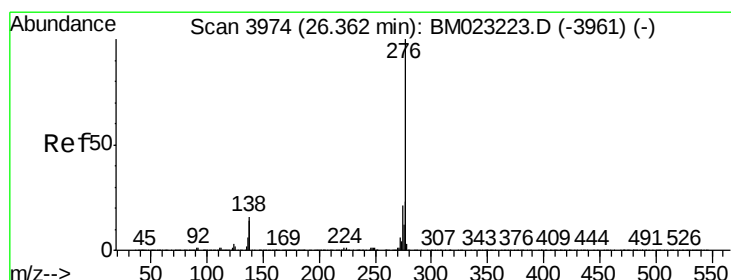
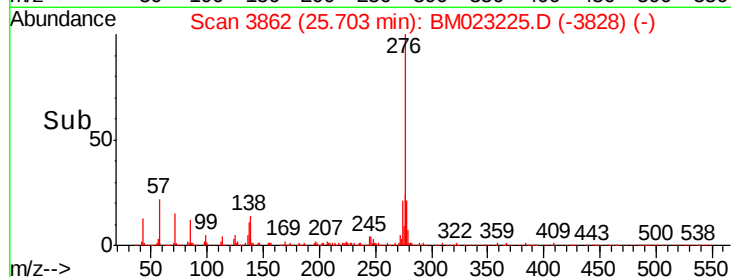
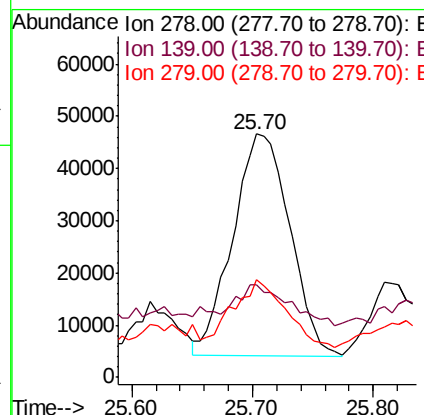
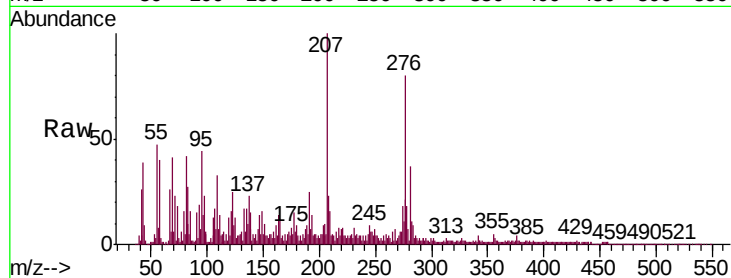




#93
Dibenzo(a,h)anthracene
Concen: 1.023 ng/ul
RT: 25.70 min Scan# 3862
Delta R.T. 0.00 min
Lab File: BM023225.D
Acq: 17 Oct 2019 18:29

Instrument :
BNA_M
ClientSampleId :
BEPL8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.2	10.0	15.0#
279	40.0	19.4	29.0#



#94
Benzo(g,h,i)perylene
Concen: 5.042 ng/ul
RT: 26.38 min Scan# 3977
Delta R.T. 0.02 min
Lab File: BM023225.D
Acq: 17 Oct 2019 18:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	14.4	21.6
277	25.2	19.4	29.2

