

Data File : BM023333.D
Acq On : 22 Oct 2019 23:43
Operator : JU
Sample : K5354-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB91

Quant Time: Oct 23 01:43:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	375125	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1508479	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	949284	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1956405	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2025510	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2471327	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	28333	3.32	ng/uL	0.00
5) Phenol-d5	6.82	99	549031	16.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	307171	16.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	446835	17.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	420455	16.02	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	209875	20.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	232931	23.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	454044	18.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	306228	10.19	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1409667	19.38	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1639026	19.21	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	182926	15.53	ng/ul	0.00
58) Fluorene-d10	15.29	176	1219580	19.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	134518	17.34	ng/ul	0.00
71) Anthracene-d10	17.14	188	1961304	20.79	ng/ul	0.00
79) Pyrene-d10	19.43	212	2214378	22.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	2701902	21.57	ng/ul	0.00

Target Compounds

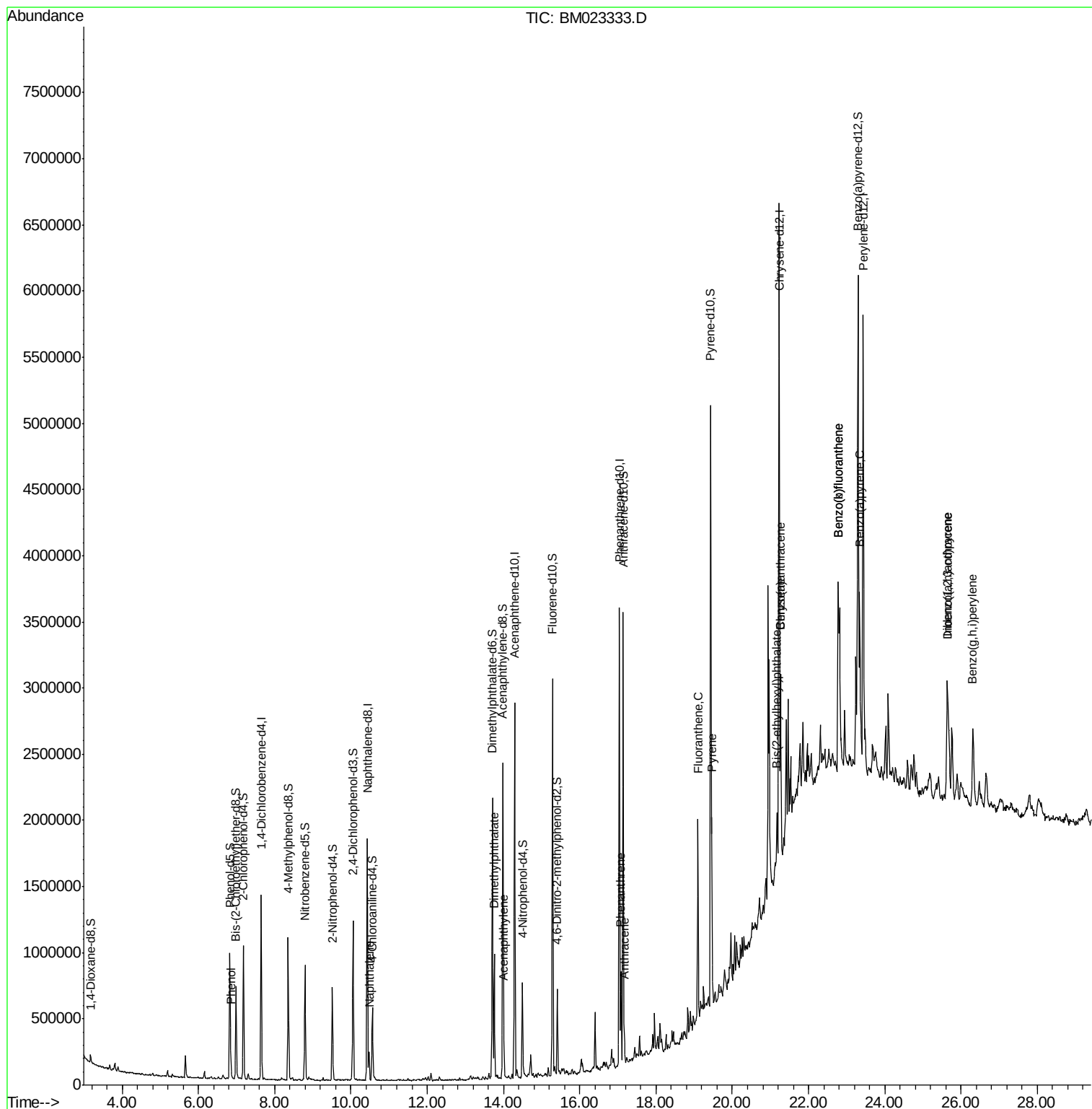
					Qvalue
6) Phenol	6.85	94	58786	1.745	ng/ul 98
28) Naphthalene	10.47	128	171855	2.204	ng/ul 99
45) Dimethylphthalate	13.76	163	578094	7.939	ng/ul 99
48) Acenaphthylene	14.01	152	154972	1.776	ng/ul 98
70) Phenanthrene	17.08	178	411495	3.748	ng/ul 99
72) Anthracene	17.17	178	171807	1.514	ng/ul 99
77) Fluoranthene	19.10	202	930445	7.126	ng/ul 99
80) Pyrene	19.46	202	863535	6.805	ng/ul 98
83) Benzo(a)anthracene	21.27	228	793519	5.782	ng/ul 92
84) Bis(2-ethylhexyl)phthalate	21.17	149	136950	1.952	ng/ul 97
85) Chrysene	21.27	228	794666	6.236	ng/ul 95
88) Benzo(b)fluoranthene	22.78	252	1310629	8.747	ng/ul# 97
89) Benzo(k)fluoranthene	22.78	252	1310629	9.109	ng/ul# 97
91) Benzo(a)pyrene	23.34	252	942631	6.557	ng/ul 96
92) Indeno(1,2,3-cd)pyrene	25.64	276	749502	4.383	ng/ul 98
93) Dibenzo(a,h)anthracene	25.65	278	210915	1.475	ng/ul# 86
94) Benzo(g,h,i)perylene	26.31	276	728053	5.171	ng/ul 98

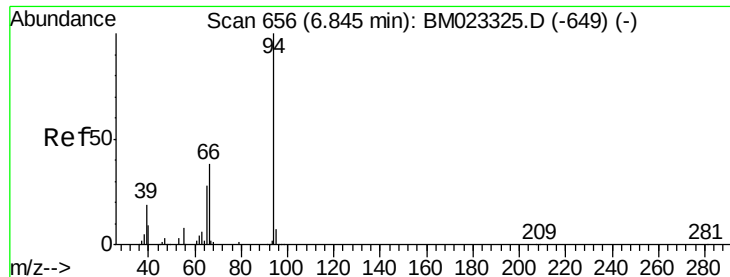
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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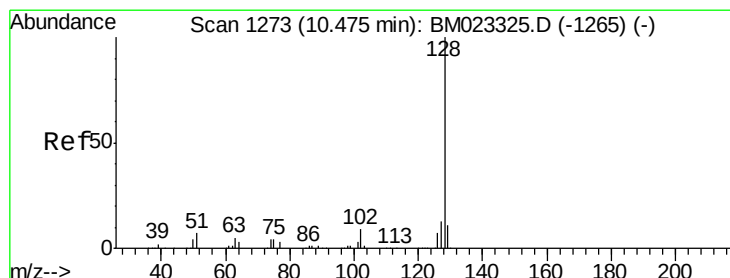
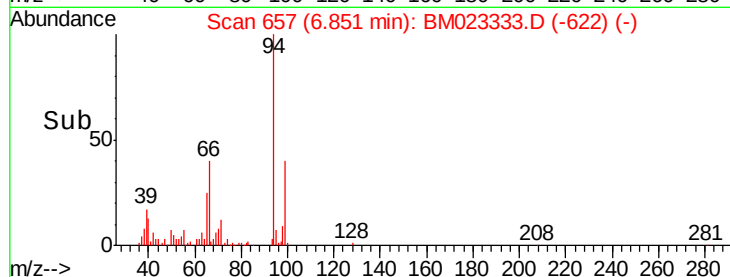
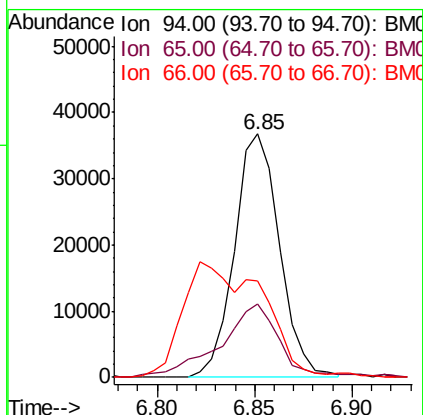
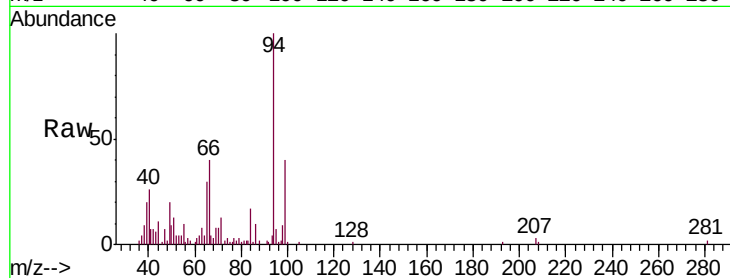
#6

Phenol

Concen: 1.745 ng/ul
 RT: 6.85 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: BM023333.D
 Acq: 22 Oct 2019 23:43

Instrument :
 BNA_M
 ClientSampleId :
 BFB91

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.1	23.2	34.8
66	39.7	32.9	49.3

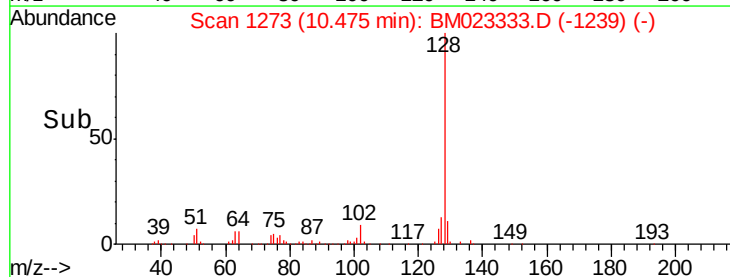
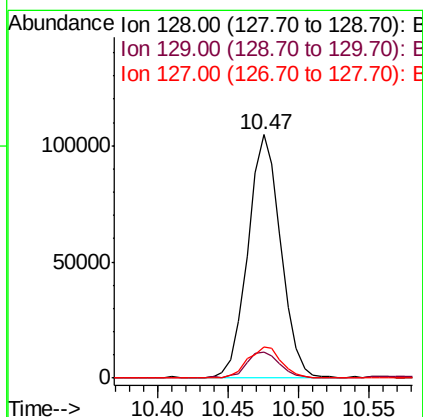
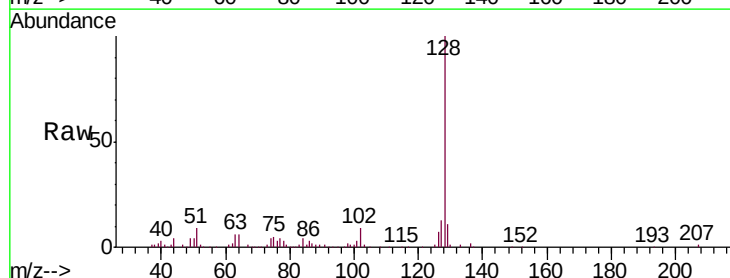


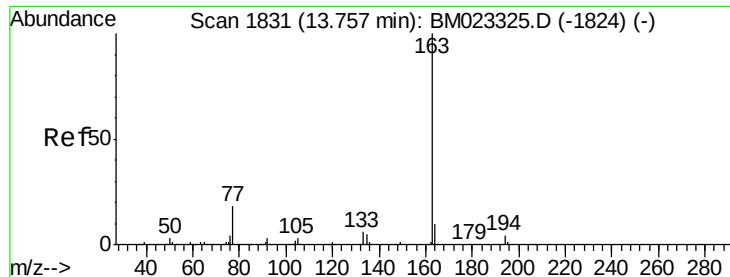
#28

Naphthalene

Concen: 2.204 ng/ul
 RT: 10.47 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BM023333.D
 Acq: 22 Oct 2019 23:43

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.9	10.2	15.4

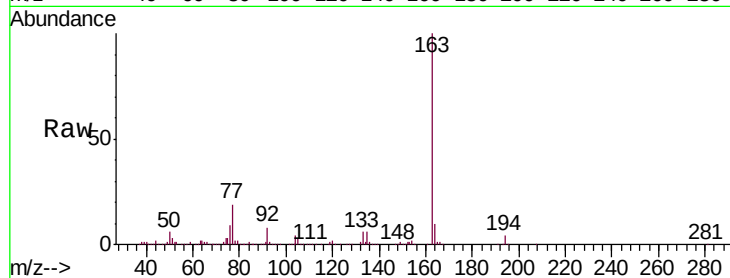




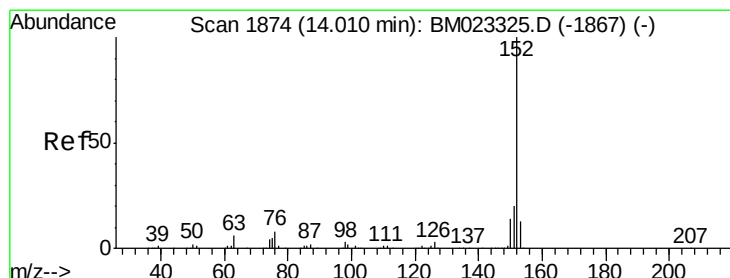
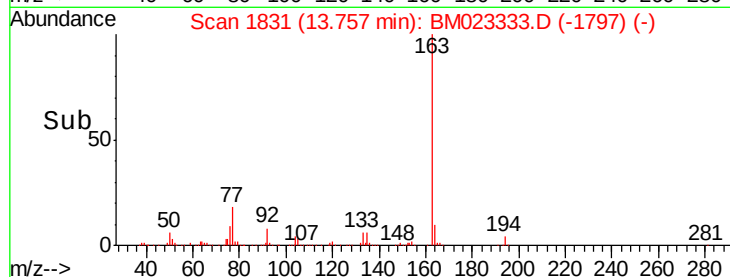
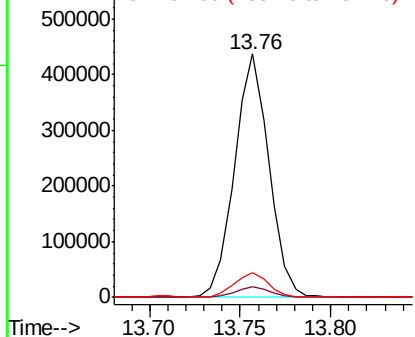
#45
Dimethylphthalate
Concen: 7.939 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Instrument :
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ClientSampleId :
BFB91

Tgt Ion:163 Resp: 578094
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.1 7.8 11.6

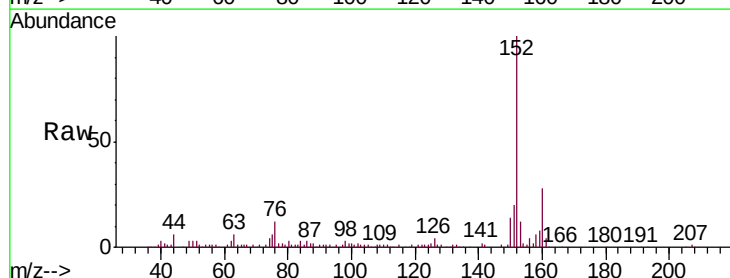


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

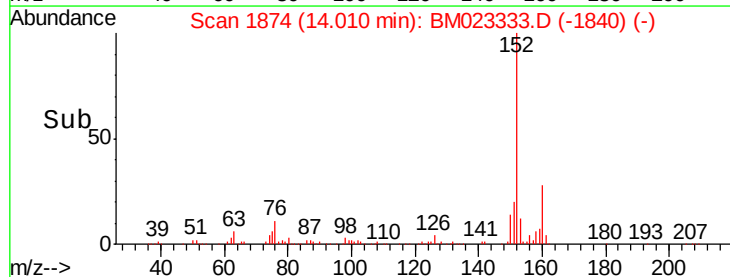
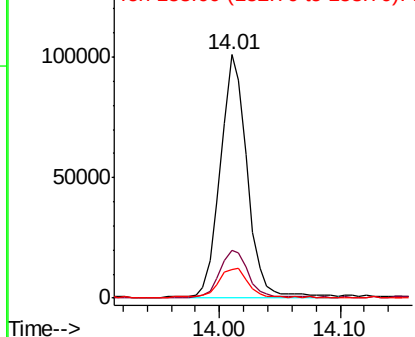


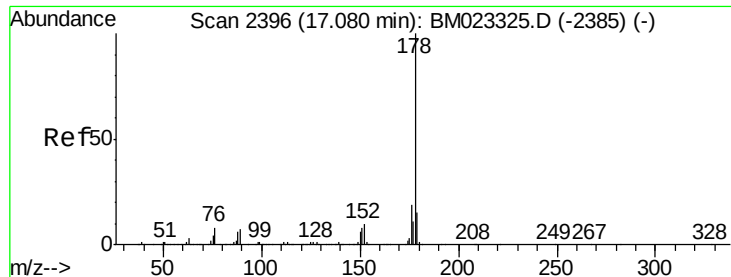
#48
Acenaphthylene
Concen: 1.776 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Tgt Ion:152 Resp: 154972
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 11.8 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: 3.748 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Instrument :

BNA_M

ClientSampleId :

BFB91

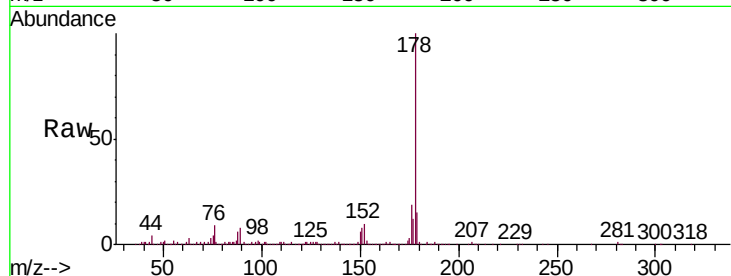
Tgt Ion:178 Resp: 411495

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

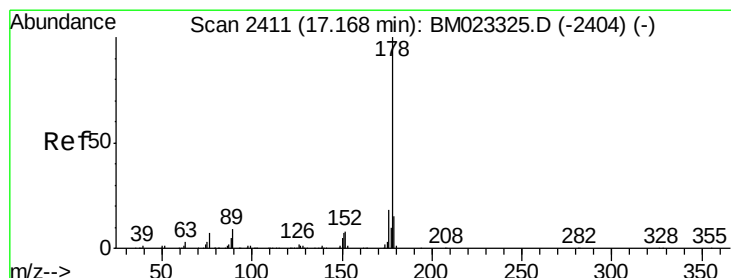
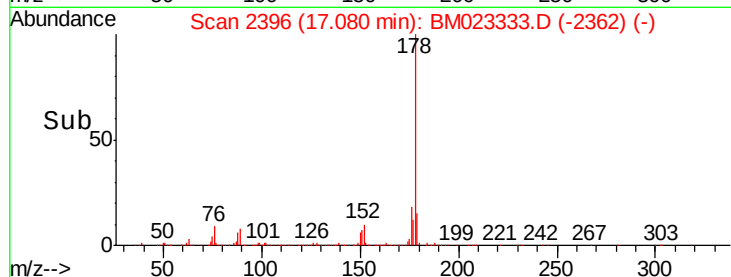
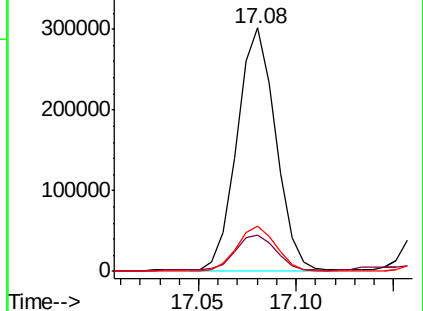
176 18.5 15.0 22.4



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



#72

Anthracene

Concen: 1.514 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

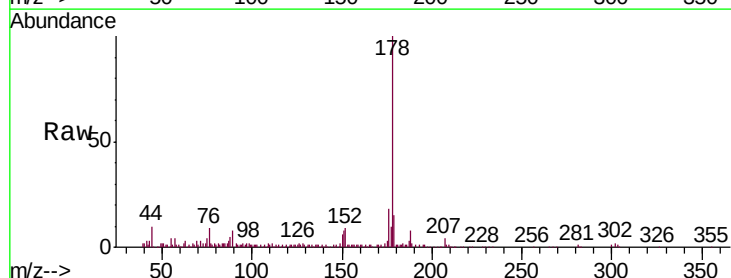
Tgt Ion:178 Resp: 171807

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

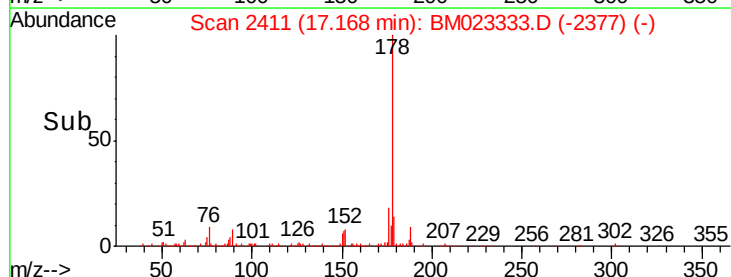
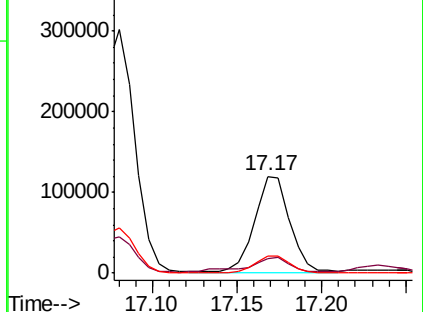
176 17.8 14.8 22.2

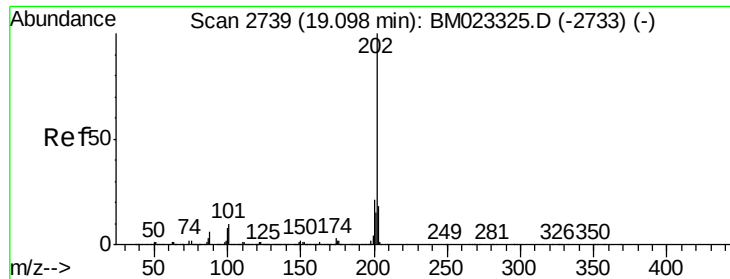


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

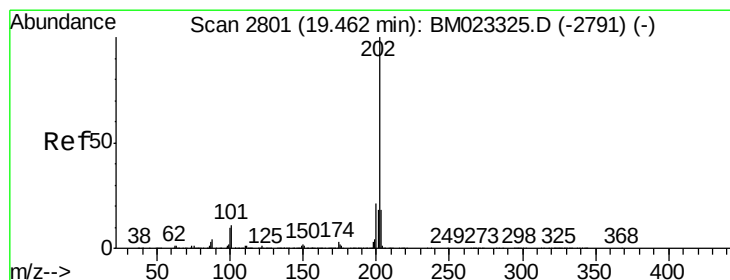
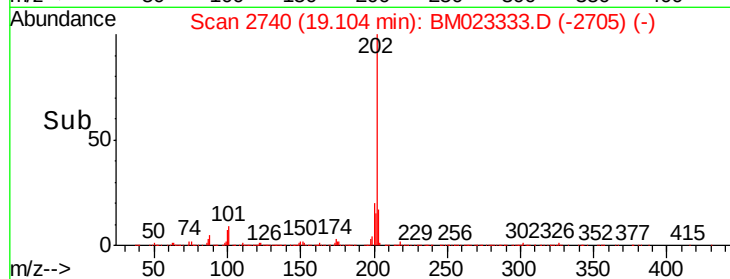
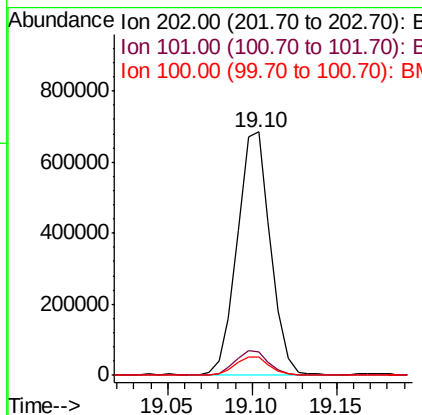
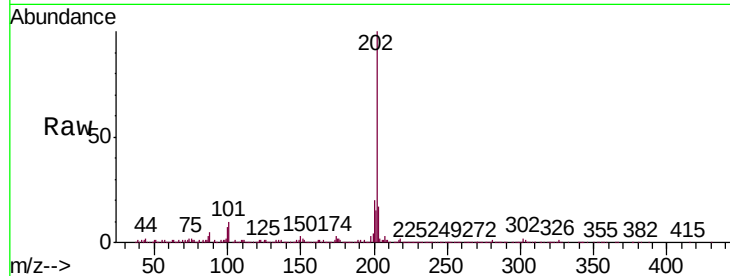




#77
 Fluoranthene
 Concen: 7.126 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. 0.01 min
 Lab File: BM023333.D
 Acq: 22 Oct 2019 23:43

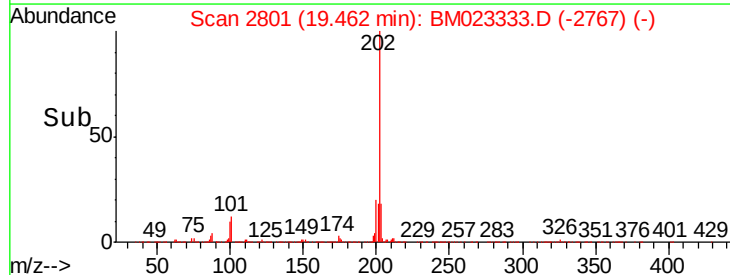
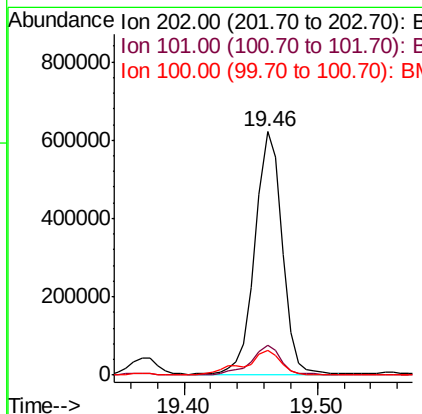
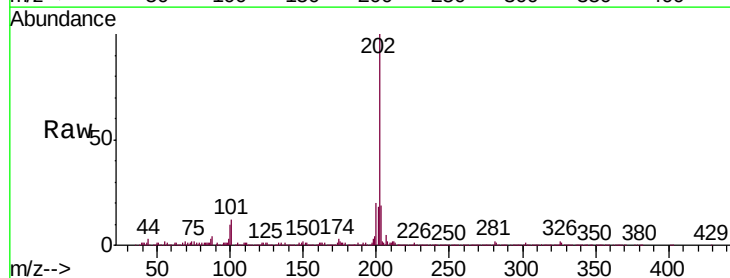
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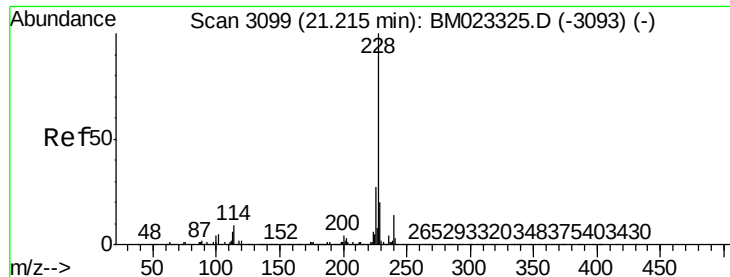
Tgt Ion:	202	Resp:	930445
Ion Ratio	Lower	Upper	
202	100		
101	9.7	8.2	12.4
100	7.3	6.1	9.1



#80
 Pyrene
 Concen: 6.805 ng/ul
 RT: 19.46 min Scan# 2801
 Delta R.T. 0.00 min
 Lab File: BM023333.D
 Acq: 22 Oct 2019 23:43

Tgt Ion:	202	Resp:	863535
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.0	13.6
100	10.1	7.5	11.3





#83

Benzo(a)anthracene

Concen: 5.782 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.05 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Instrument :

BNA_M

ClientSampleId :

BFB91

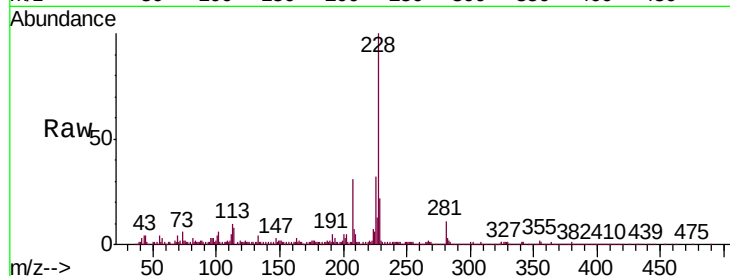
Tgt Ion:228 Resp: 793519

Ion Ratio Lower Upper

228 100

229 22.0 15.8 23.8

226 31.8 21.5 32.3

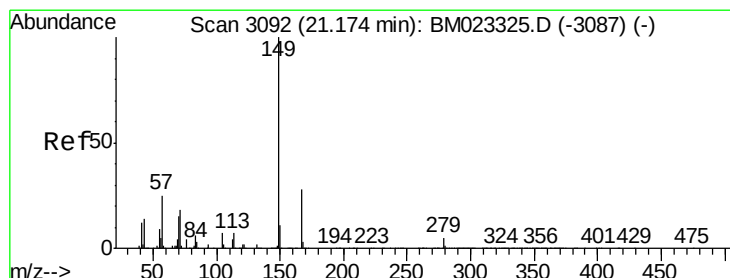
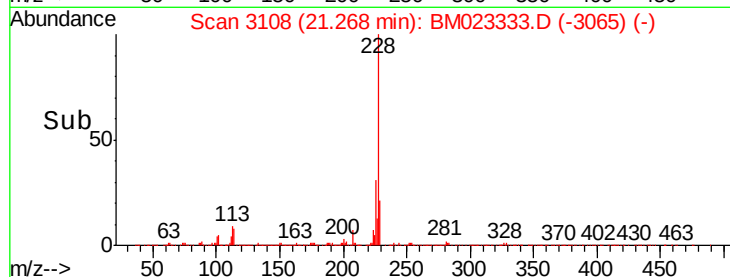
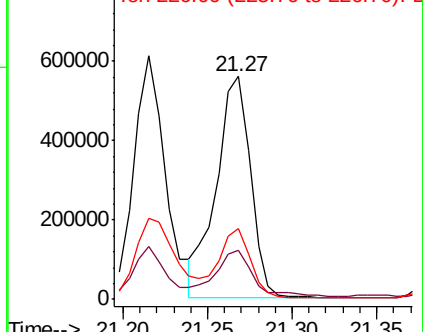


Abundance

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: 1.952 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

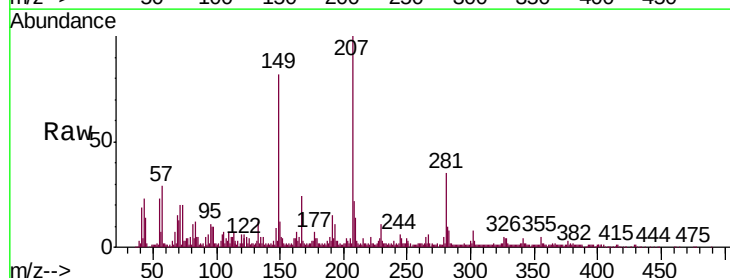
Tgt Ion:149 Resp: 136950

Ion Ratio Lower Upper

149 100

167 29.7 22.1 33.1

279 5.5 4.3 6.5

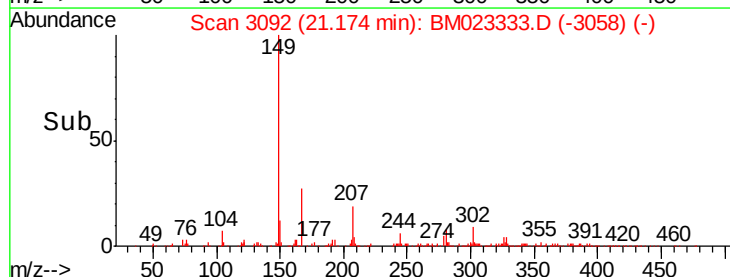
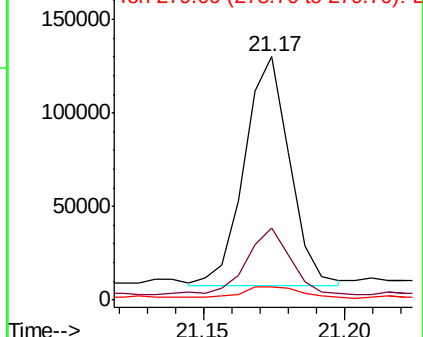


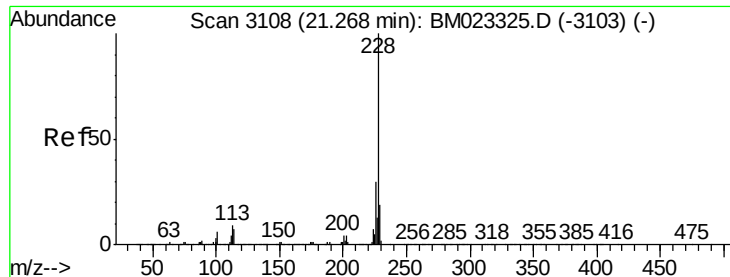
Abundance

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: 6.236 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.00 min

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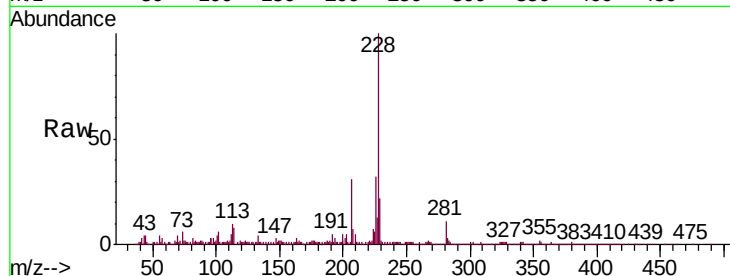
Tgt Ion:228 Resp: 794666

Ion Ratio Lower Upper

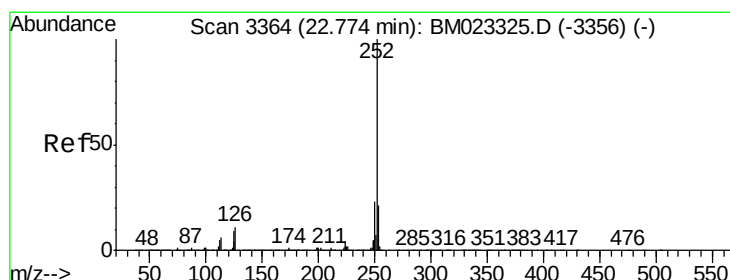
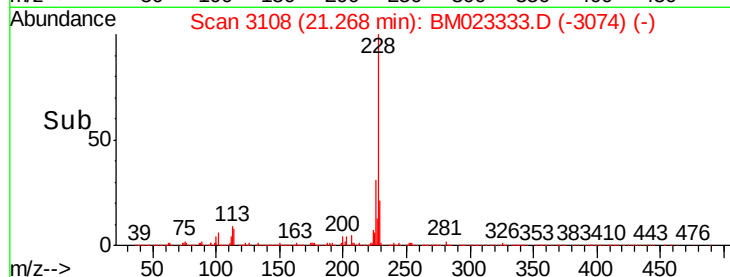
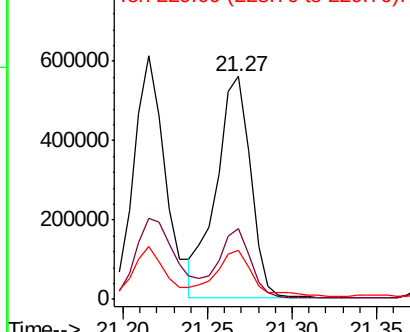
228 100

226 31.8 23.4 35.0

229 22.0 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: 8.747 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

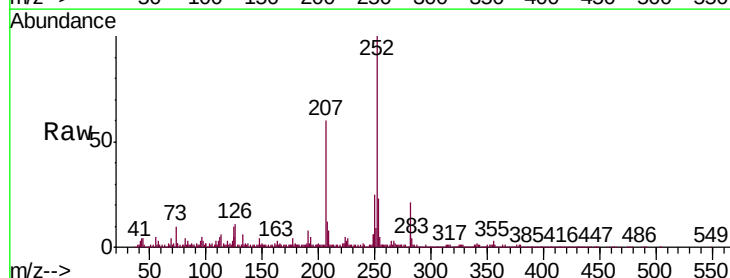
Tgt Ion:252 Resp: 1310629

Ion Ratio Lower Upper

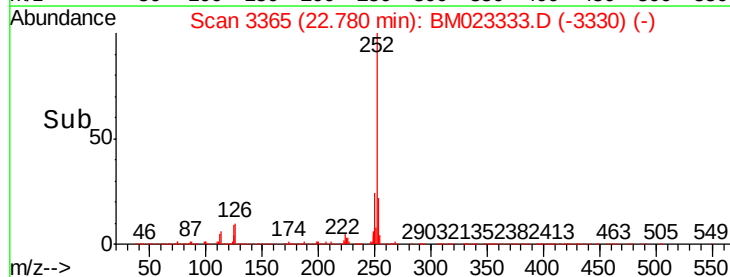
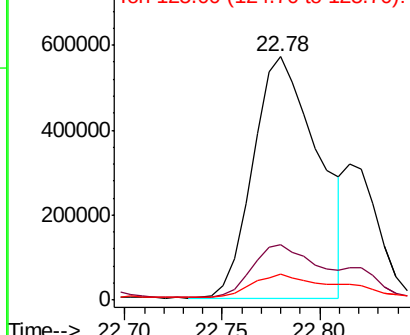
252 100

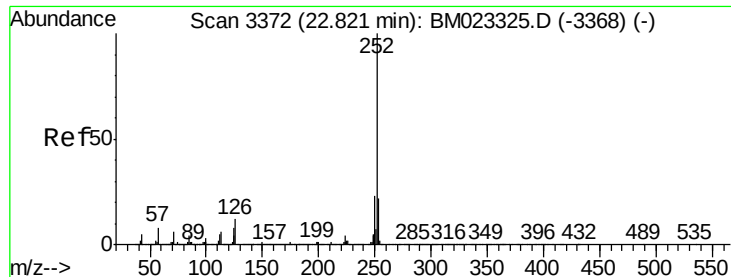
253 22.9 17.3 25.9

125 10.5 7.0 10.4#



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: 9.109 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.04 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Instrument :

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ClientSampleId :

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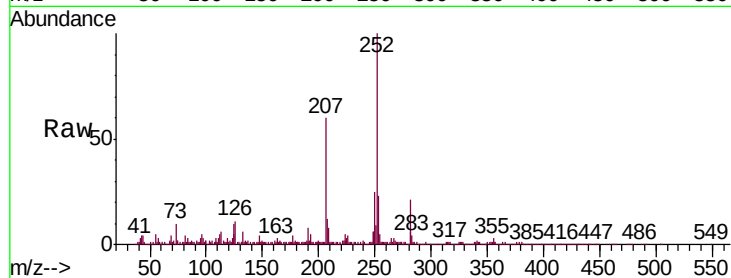
Tgt Ion:252 Resp: 1310629

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

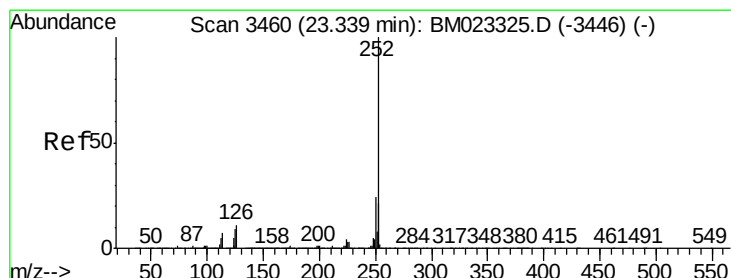
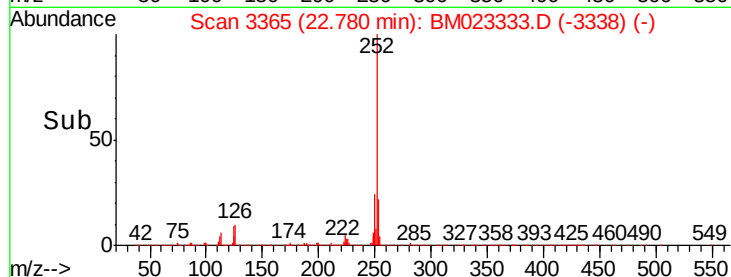
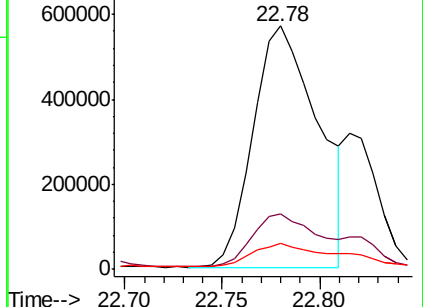
125 10.5 6.6 9.8#



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: 6.557 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. 0.00 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

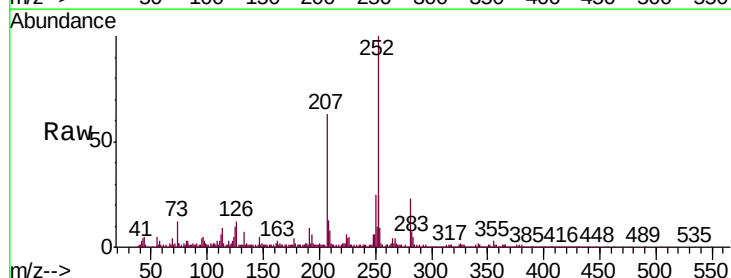
Tgt Ion:252 Resp: 942631

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

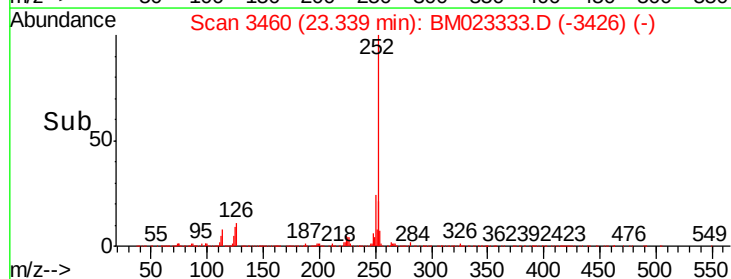
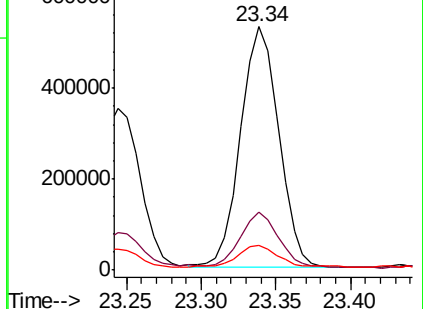
125 10.1 7.1 10.7

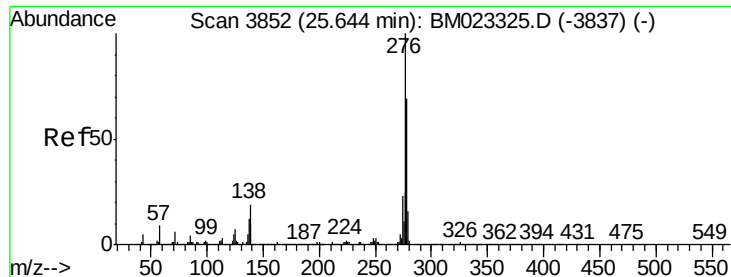


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



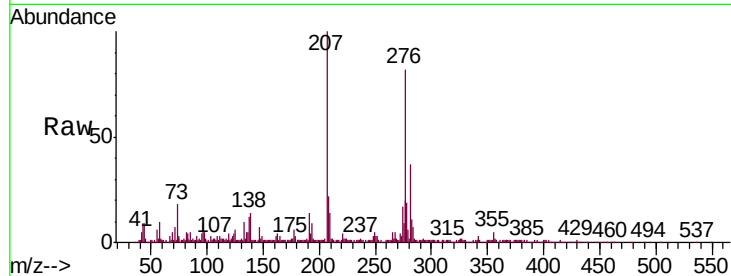


#92

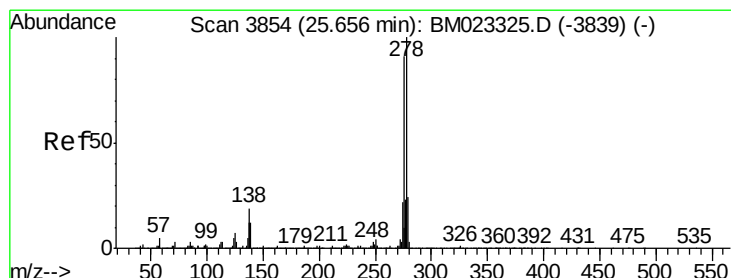
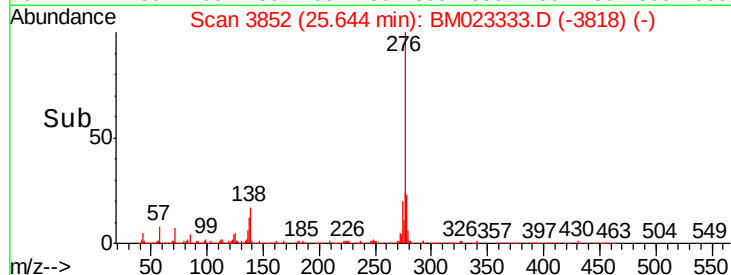
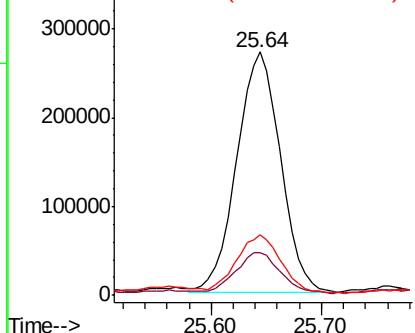
Indeno(1,2,3-cd)pyrene
Concen: 4.383 ng/ul
RT: 25.64 min Scan# 3852
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Instrument :
BNA_M
ClientSampleId :
BFB91

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.4	15.8	23.6
277	25.0	19.8	29.8



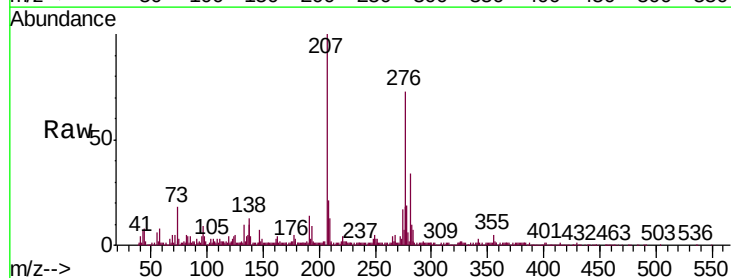
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



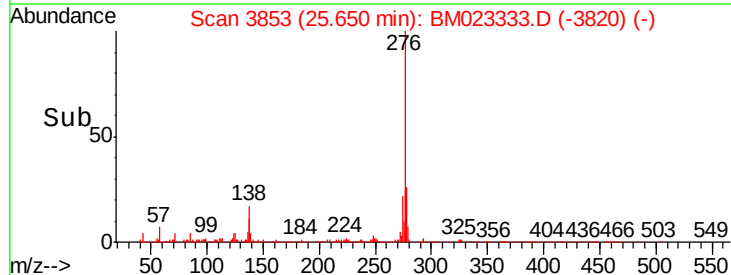
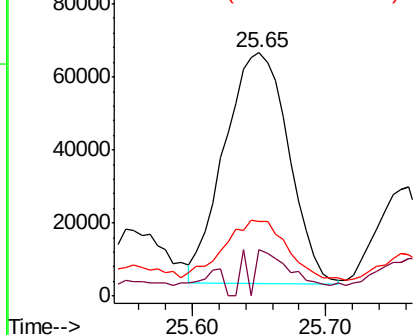
#93

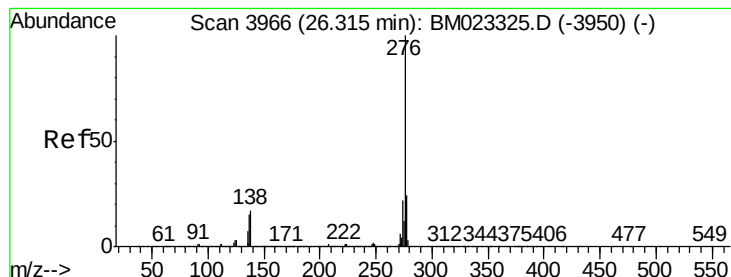
Dibenzo(a,h)anthracene
Concen: 1.475 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. -0.01 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	10.5	15.7#
279	30.9	19.7	29.5#



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: 5.171 ng/ul

RT: 26.31 min Scan# 3966

Delta R.T. 0.00 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Instrument :

BNA_M

ClientSampleId :

BFB91

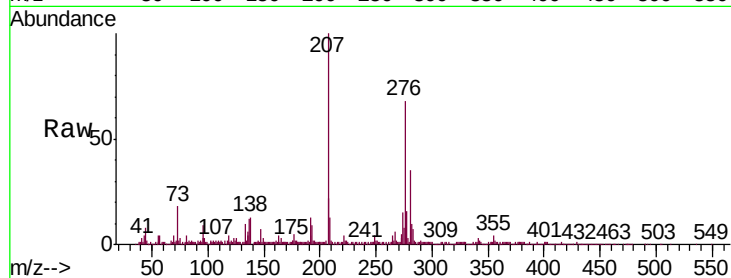
Tgt Ion: 276 Resp: 728053

Ion Ratio Lower Upper

276 100

138 18.6 13.9 20.9

277 24.1 18.7 28.1



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

