

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027073.D
 Acq On : 13 Aug 2020 23:42
 Operator : JU/CG
 Sample : L3630-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFM73

Quant Time: Aug 14 03:18:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 11:47:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	131028	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	499254	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	313217	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	667771	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	701802	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	706109	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	9653	3.35	ng/uL	0.00
5) Phenol-d5	6.82	99	232591	22.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	157442	22.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	182403	22.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	185983	23.41	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	90702	22.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	91545	22.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	196695	22.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	189768	18.94	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	598669	23.97	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	756002	25.40	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	45608	10.82	ng/ul	0.00
58) Fluorene-d10	15.27	176	532307	24.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	34564	9.48	ng/ul	0.00
71) Anthracene-d10	17.12	188	812125	24.69	ng/ul	0.00
79) Pyrene-d10	19.42	212	932254	26.63	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	996679	25.29	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.85	94	13215	1.230	ng/ul 98
28) Naphthalene	10.46	128	185831	6.697	ng/ul 99
30) 4-Chloroaniline	10.46	127	24448	2.422	ng/ul# 14
34) 2-Methylnaphthalene	12.08	142	115279	5.664	ng/ul 99
35) 1-Methylnaphthalene	12.30	142	92022	4.593	ng/ul 99
41) 1,1'-Biphenyl	13.10	154	42141	1.646	ng/ul 99
45) Dimethylphthalate	13.73	163	79776	3.048	ng/ul 98
48) Acenaphthylene	13.99	152	88790	2.934	ng/ul# 95
50) Acenaphthene	14.34	153	452837	21.116	ng/ul 99
54) Dibenzofuran	14.67	168	503448	16.405	ng/ul 100
59) Fluorene	15.33	166	486331	18.936	ng/ul 99
61) 4-Nitroaniline	15.32	138	5848	1.156	ng/ul# 10
70) Phenanthrene	17.07	178	6194626	154.735	ng/ul 99
72) Anthracene	17.15	178	1602175	39.332	ng/ul 100
75) Carbazole	17.42	167	676355	19.671	ng/ul 99
77) Fluoranthene	19.09	202	6664249	137.279	ng/ul 99
80) Pyrene	19.45	202	5530243	116.093	ng/ul 99
83) Benzo(a)anthracene	21.20	228	3357457	71.064	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.14	149	273541	10.341	ng/ul# 97
85) Chrysene	21.25	228	2817892	60.763	ng/ul 97
88) Benzo(b)fluoranthene	22.77	252	3556255	72.529	ng/ul 98
89) Benzo(k)fluoranthene	22.77	252	3556255	73.182	ng/ul 97
91) Benzo(a)pyrene	23.32	252	2579694	57.811	ng/ul 97

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Response via : Initial Calibration

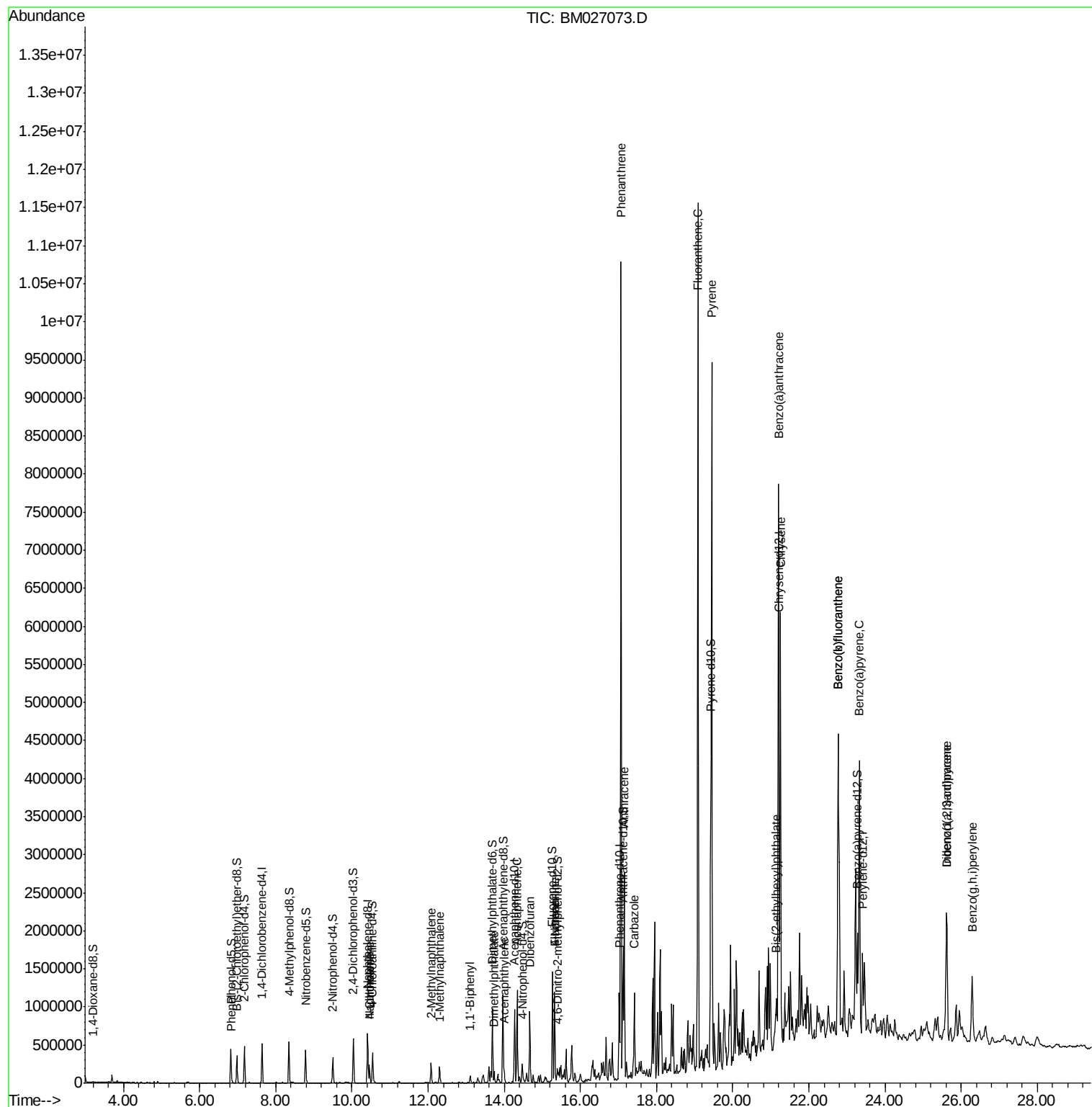
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.61	276	1548060	26.924	ng/ul	99
93) Dibenzo(a,h)anthracene	25.62	278	485735	9.974	ng/ul#	91
94) Benzo(g,h,i)perylene	26.29	276	1045658	22.018	ng/ul	99

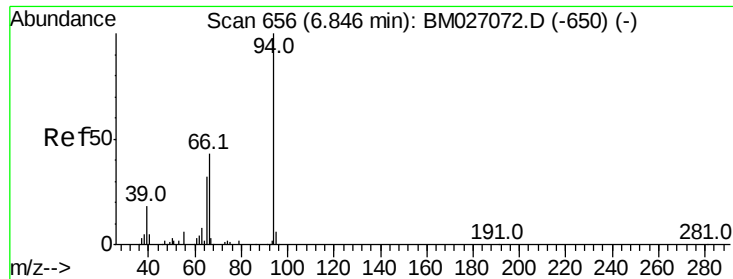
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.230 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

Instrument :

BNA_M

ClientSampled :

BFM73

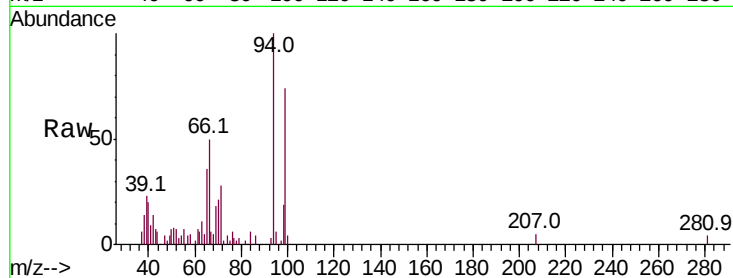
Tot Ion: 94 Resp: 13215

Ion Ratio Lower Upper

94 100

65 36.1 28.6 43.0

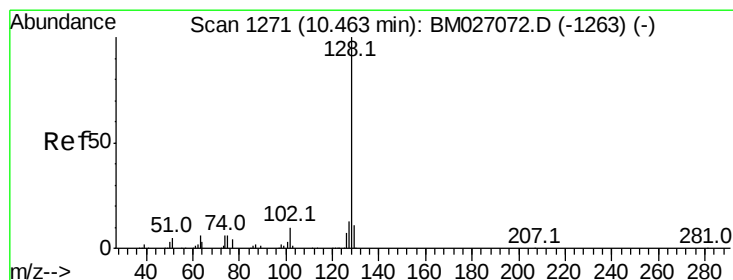
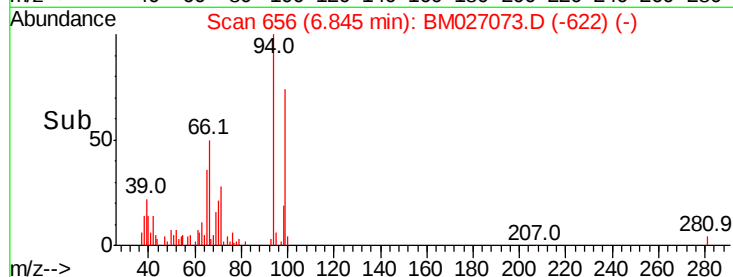
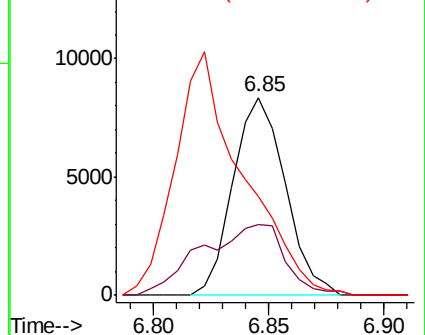
66 49.8 41.3 61.9



Abundance Ion 94.00 (93.70 to 94.70): BM027072.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM027072.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM027072.D (-650) (-)



#28

Naphthalene

Concen: 6.697 ng/ul

RT: 10.46 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

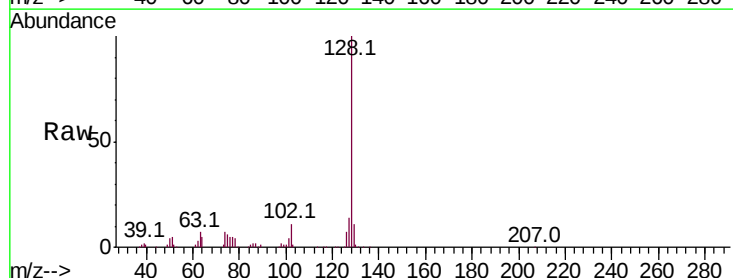
Tgt Ion:128 Resp: 185831

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

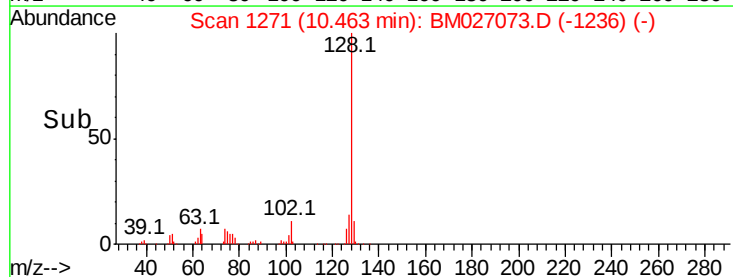
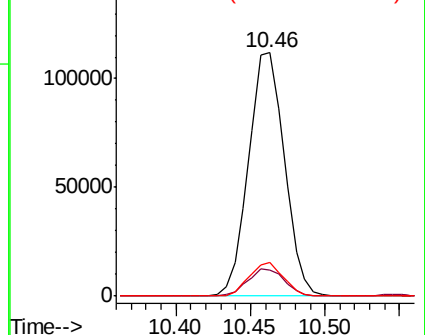
127 13.6 10.5 15.7

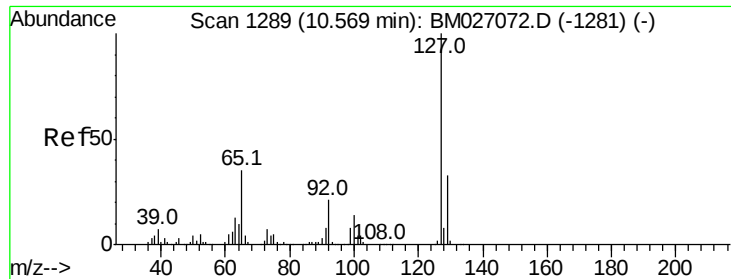


Abundance Ion 128.00 (127.70 to 128.70): BM027072.D (-1263) (-)

Ion 129.00 (128.70 to 129.70): BM027072.D (-1263) (-)

Ion 127.00 (126.70 to 127.70): BM027072.D (-1263) (-)

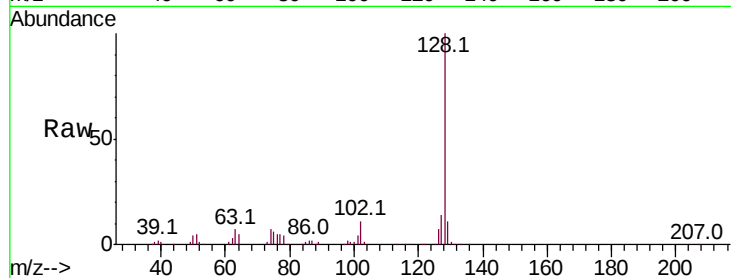




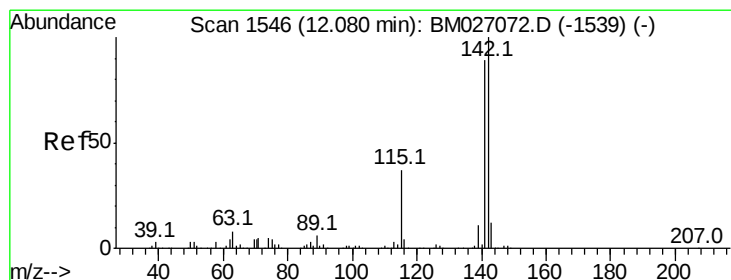
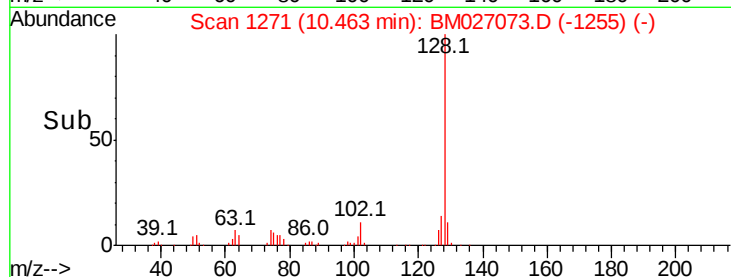
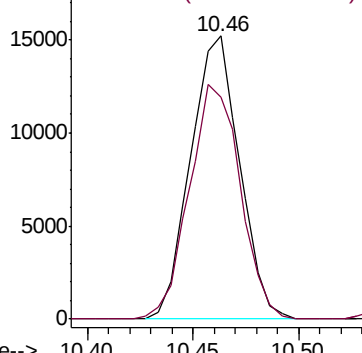
#30
4-Chloroaniline
Concen: 2.422 ng/ul
RT: 10.46 min Scan# 1271
Delta R.T. -0.11 min
Lab File: BM027073.D
Acq: 13 Aug 2020 23:42

Instrument :
BNA_M
ClientSampleId :
BFM73

Tot Ion:127 Resp: 24448
Ion Ratio Lower Upper
127 100
129 78.4 24.9 37.3#

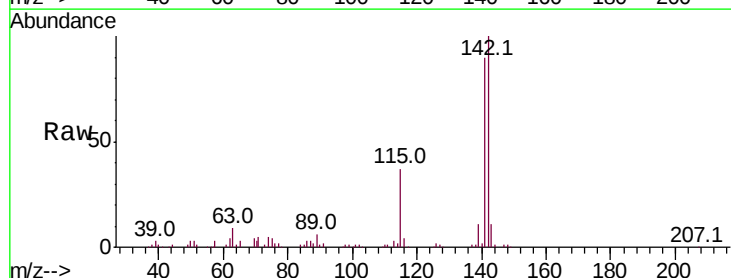


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

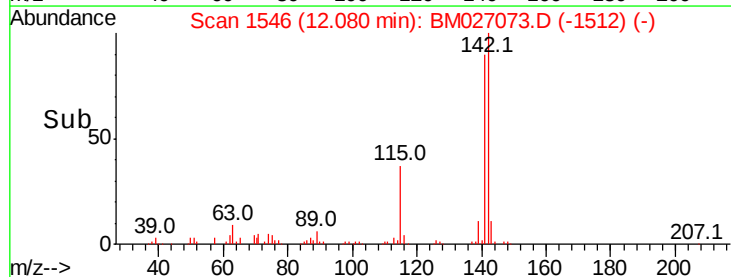
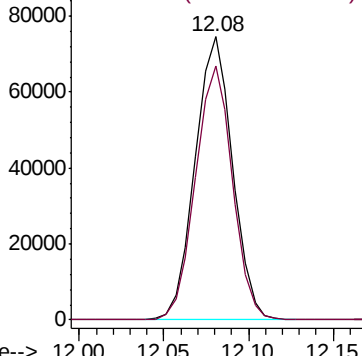


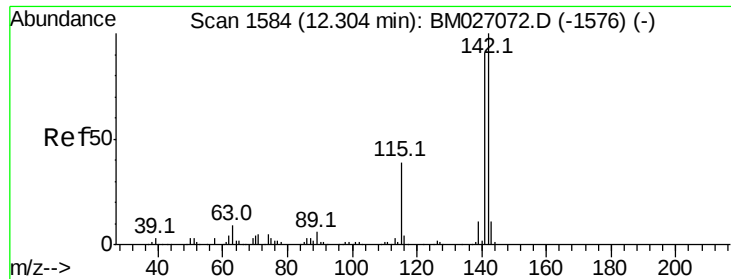
#34
2-Methylnaphthalene
Concen: 5.664 ng/ul
RT: 12.08 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BM027073.D
Acq: 13 Aug 2020 23:42

Tgt Ion:142 Resp: 115279
Ion Ratio Lower Upper
142 100
141 89.7 72.4 108.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

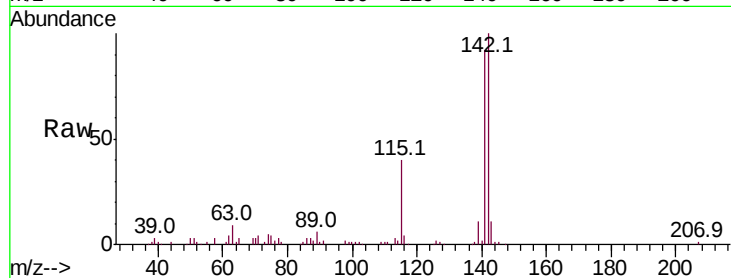




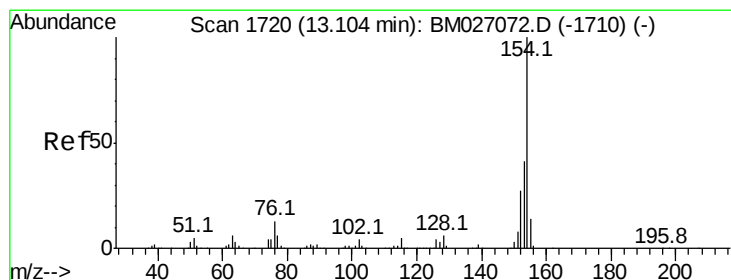
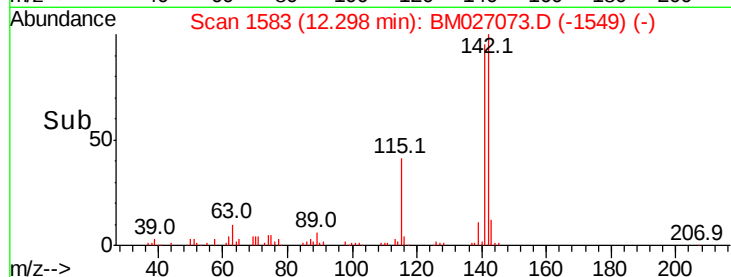
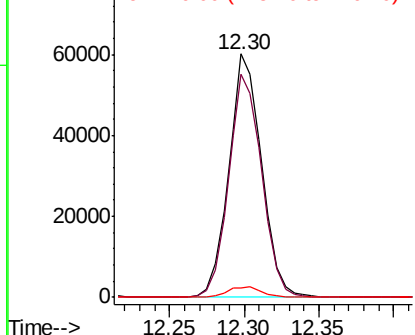
#35
 1-Methylnaphthalene
 Concen: 4.593 ng/ul
 RT: 12.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BM027073.D
 Acq: 13 Aug 2020 23:42

Instrument :
 BNA_M
 ClientSampleId :
 BFM73

Tot Ion:142 Resp: 92022
 Ion Ratio Lower Upper
 142 100
 141 91.6 72.2 108.2
 116 3.8 3.4 5.0

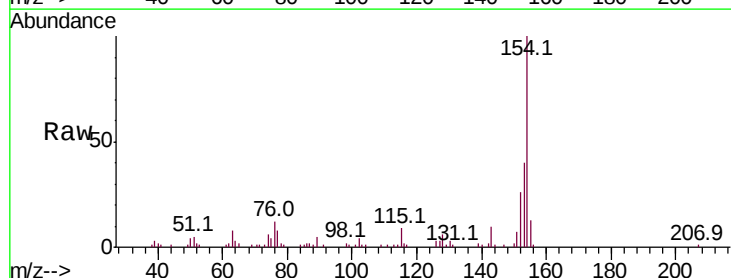


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

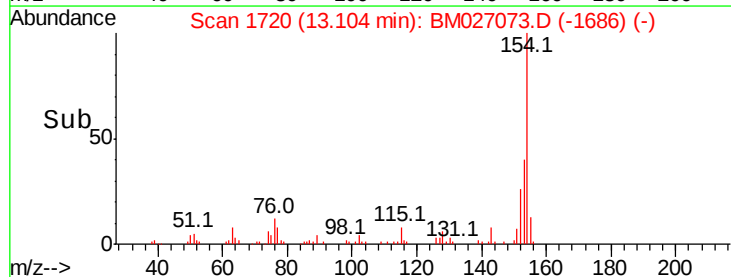
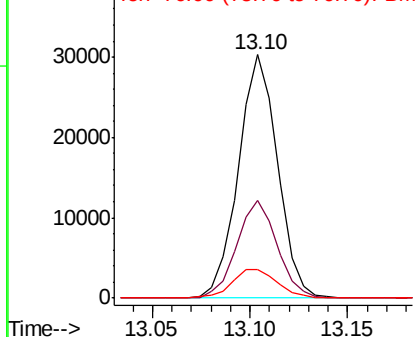


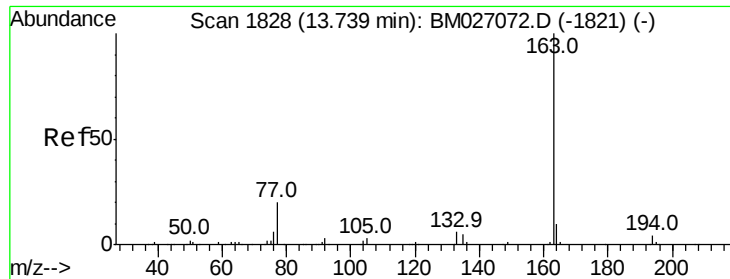
#41
 1,1'-Biphenyl
 Concen: 1.646 ng/ul
 RT: 13.10 min Scan# 1720
 Delta R.T. -0.00 min
 Lab File: BM027073.D
 Acq: 13 Aug 2020 23:42

Tgt Ion:154 Resp: 42141
 Ion Ratio Lower Upper
 154 100
 153 39.9 31.6 47.4
 76 11.9 9.3 13.9



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM





#45

Dimethylphthalate

Concen: 3.048 ng/ul

RT: 13.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

Instrument :

BNA_M

ClientSampleId :

BFM73

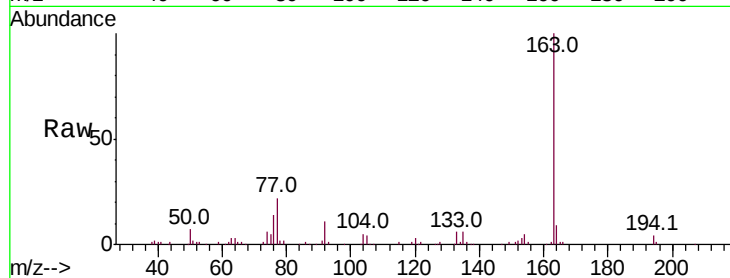
Tot Ion:163 Resp: 79776

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

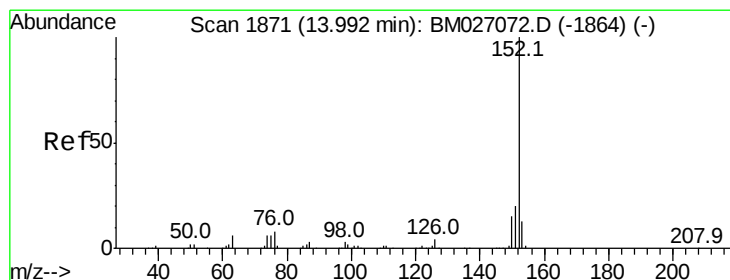
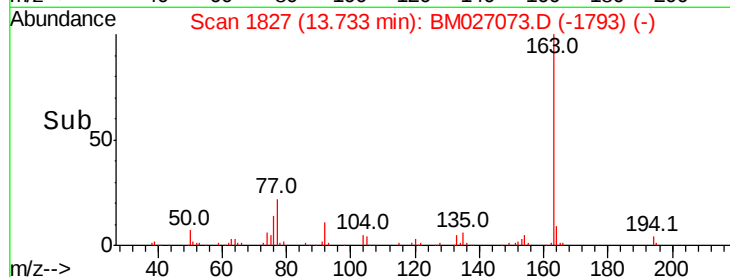
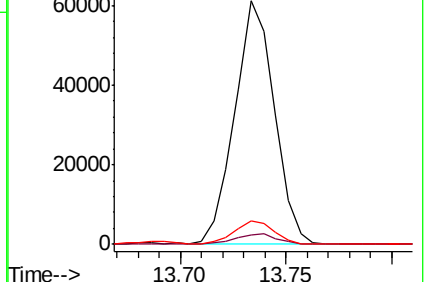
164 9.4 8.2 12.2



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: 2.934 ng/ul

RT: 13.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

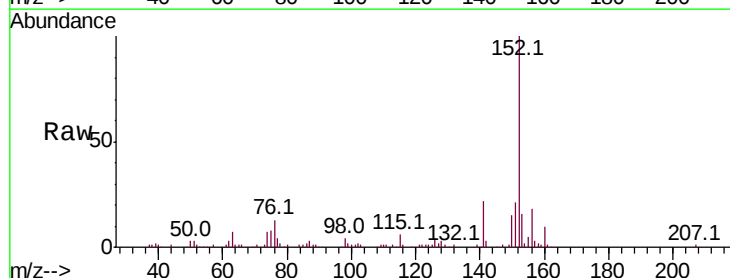
Tgt Ion:152 Resp: 88790

Ion Ratio Lower Upper

152 100

151 21.4 15.9 23.9

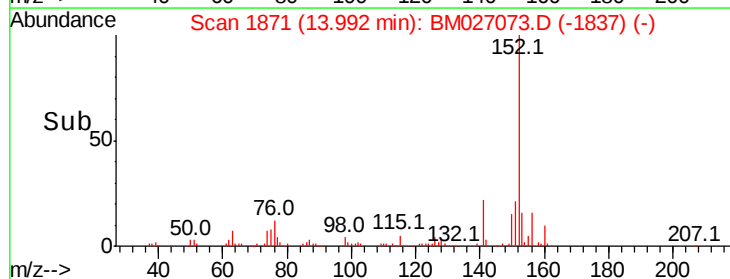
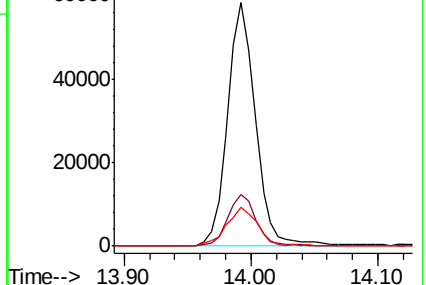
153 15.7 9.8 14.8#

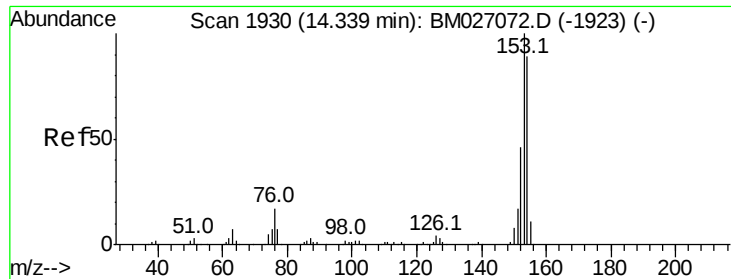


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 21.116 ng/ul

RT: 14.34 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BM027073.D

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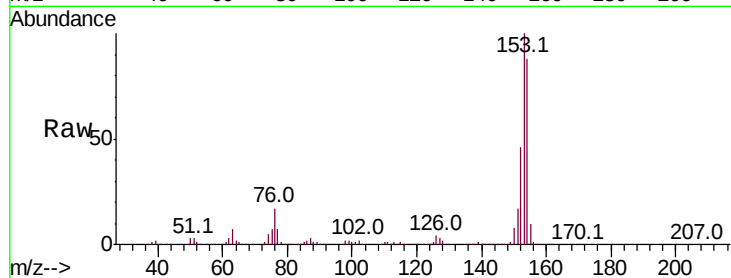
Tot Ion:153 Resp: 452837

Ion Ratio Lower Upper

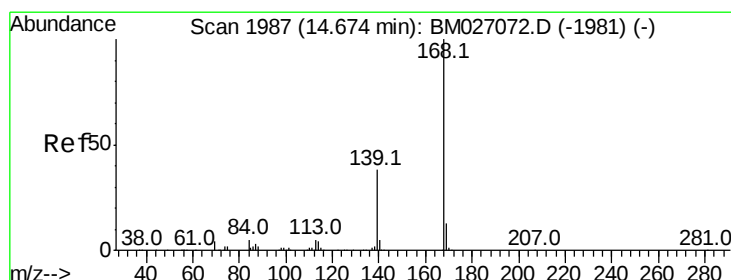
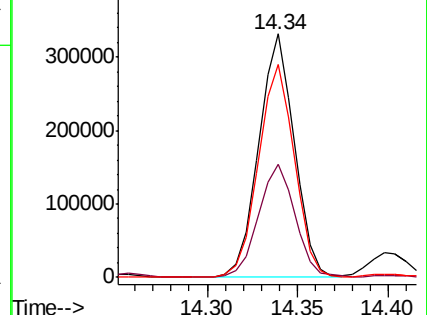
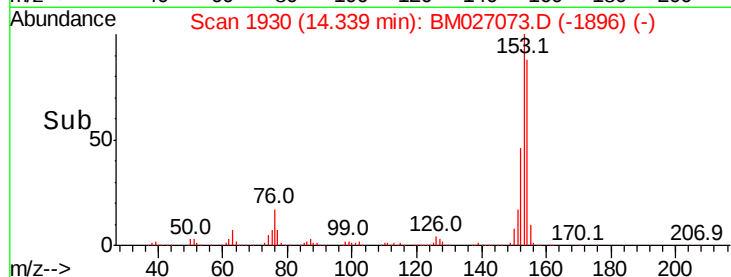
153 100

152 46.4 35.9 53.9

154 87.7 69.4 104.0



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



#54

Dibenzofuran

Concen: 16.405 ng/ul

RT: 14.67 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM027073.D

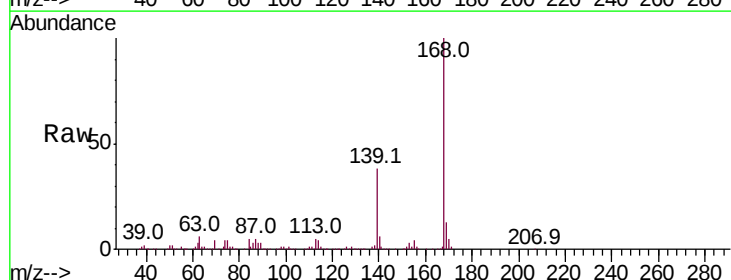
Acq: 13 Aug 2020 23:42

Tgt Ion:168 Resp: 503448

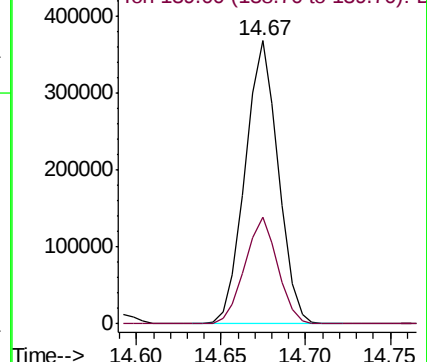
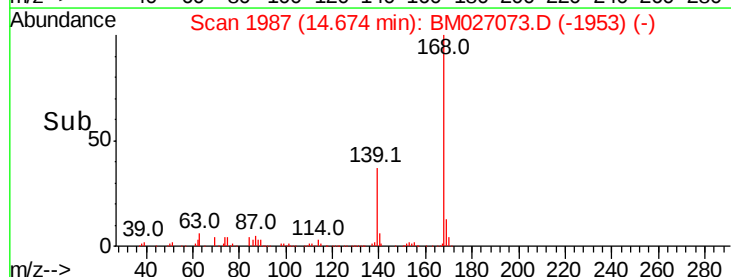
Ion Ratio Lower Upper

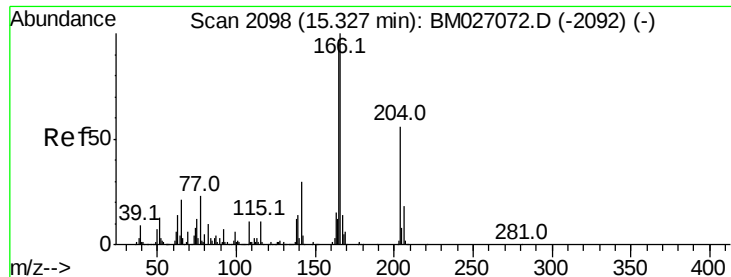
168 100

139 37.6 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 18.936 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BM027073.D

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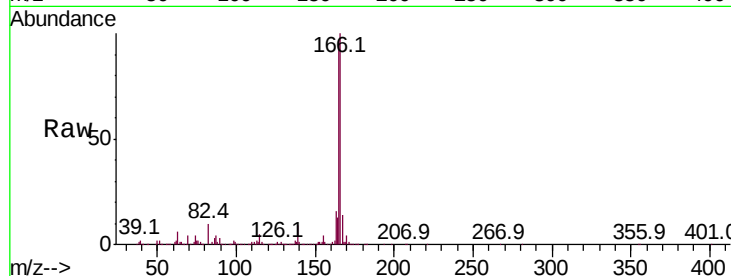
Tot Ion:166 Resp: 486331

Ion Ratio Lower Upper

166 100

165 96.6 76.9 115.3

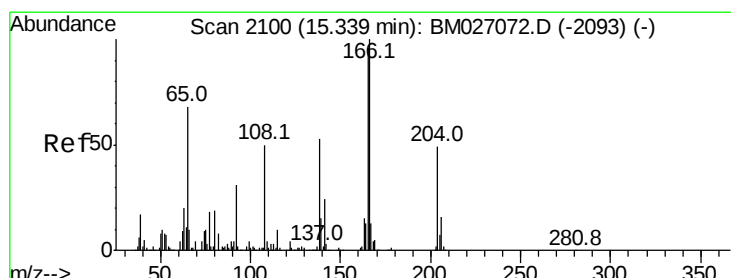
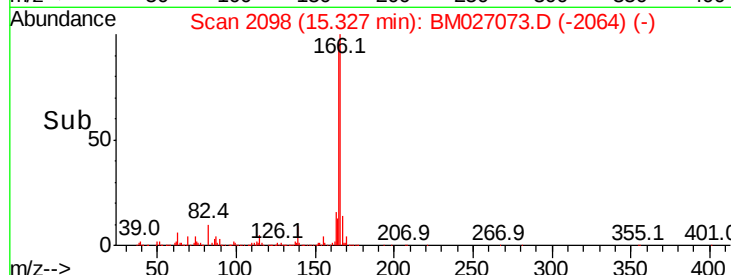
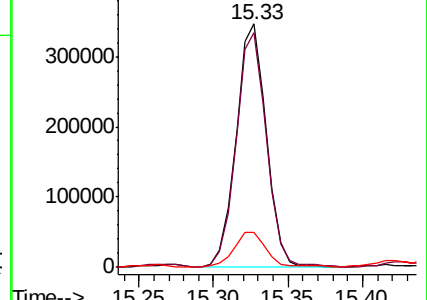
167 14.2 10.5 15.7



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



#61

4-Nitroaniline

Concen: 1.156 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

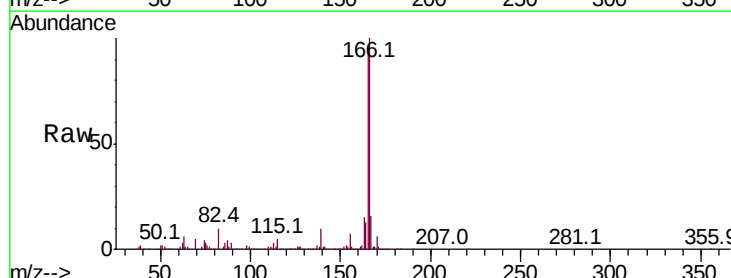
Tgt Ion:138 Resp: 5848

Ion Ratio Lower Upper

138 100

92 6.0 46.9 70.3#

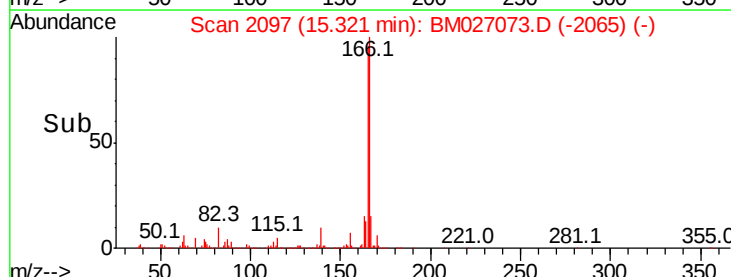
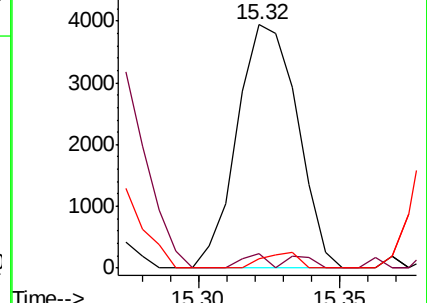
108 4.0 89.0 133.6#

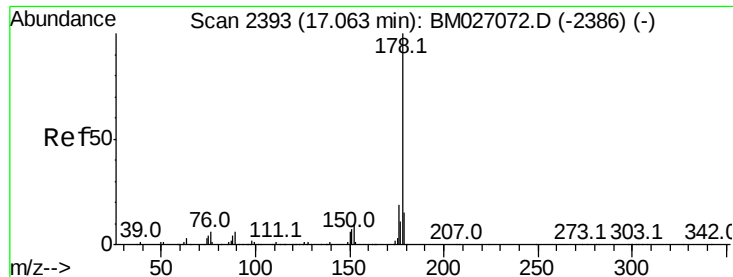


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 154.735 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. 0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

Instrument :

BNA_M

ClientSampleId :

BFM73

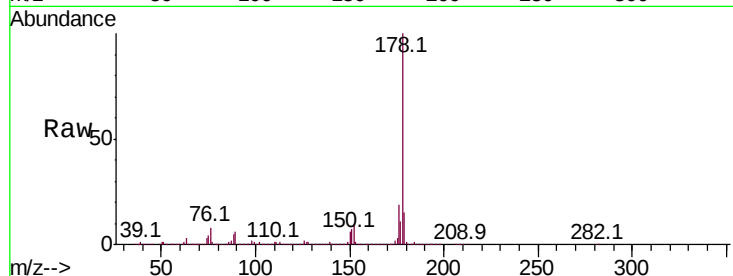
Tot Ion:178 Resp: 6194626

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	19.0	14.6	22.0

178 100

179 15.4 11.9 17.9

176 19.0 14.6 22.0

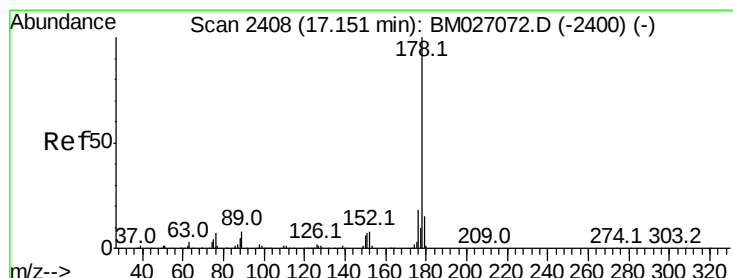
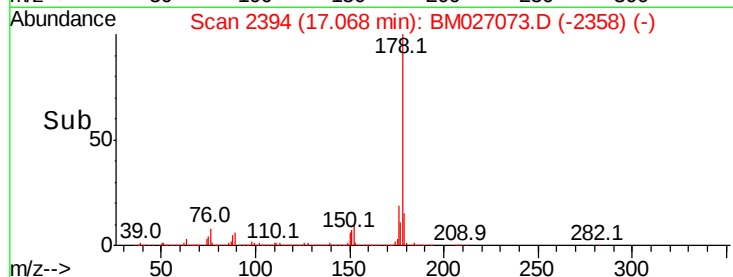
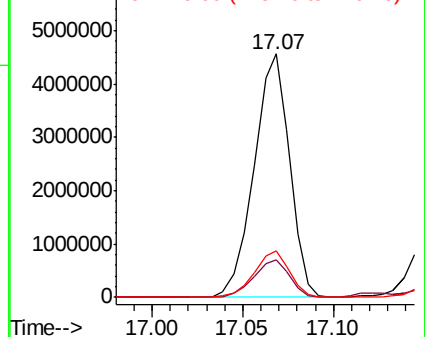


Abundance

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: 39.332 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

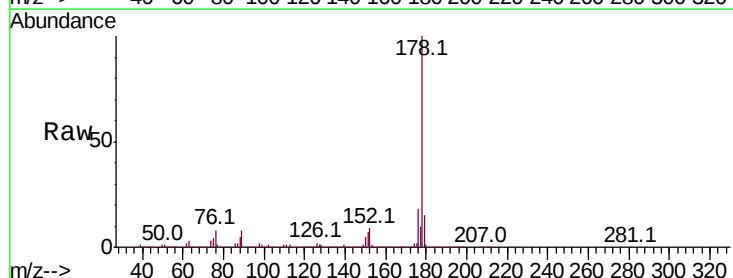
Tgt Ion:178 Resp: 1602175

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	17.9	14.3	21.5

178 100

179 15.1 12.0 18.0

176 17.9 14.3 21.5

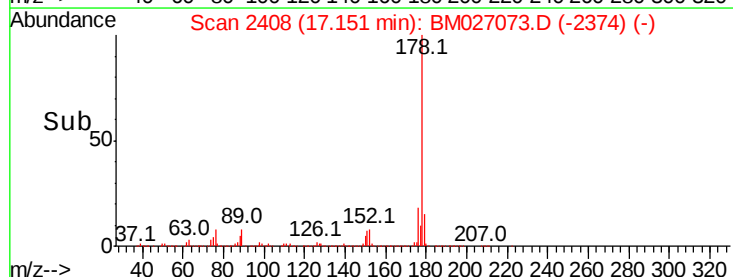
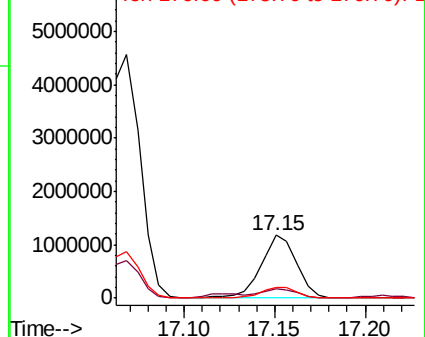


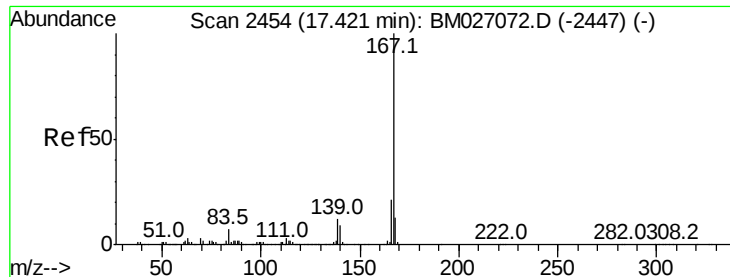
Abundance

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: 19.671 ng/ul

RT: 17.42 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

Instrument :

BNA_M

ClientSampleId :

BFM73

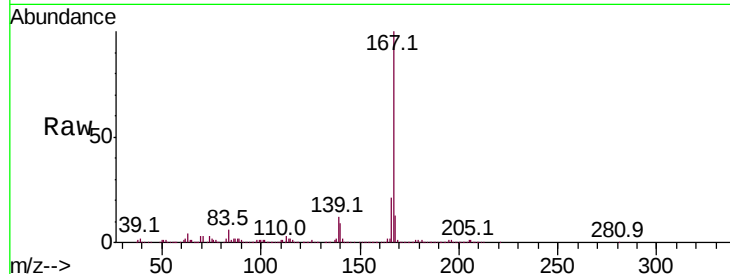
Tot Ion:167 Resp: 676355

Ion Ratio Lower Upper

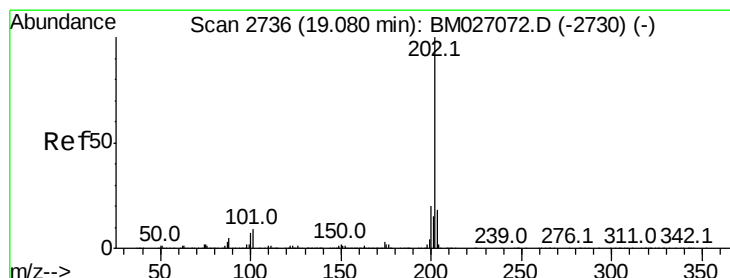
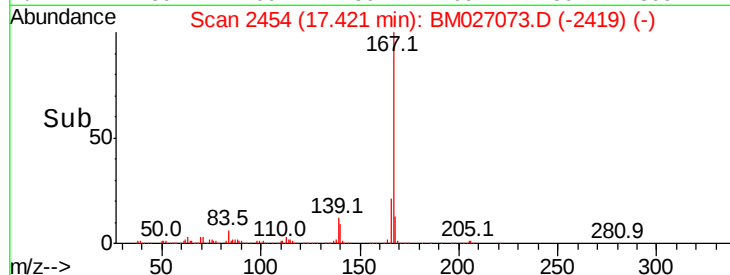
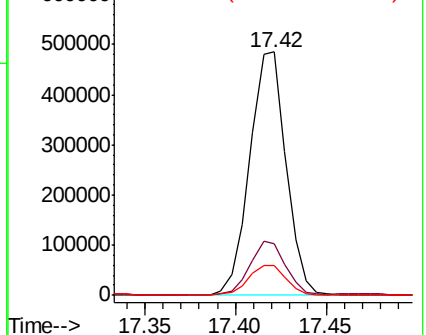
167 100

166 20.9 17.0 25.6

139 12.1 9.8 14.6



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: 137.279 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

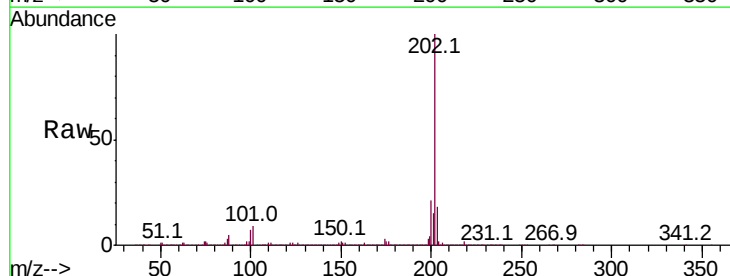
Tgt Ion:202 Resp: 6664249

Ion Ratio Lower Upper

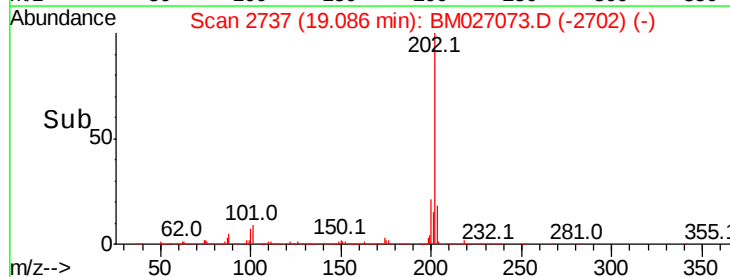
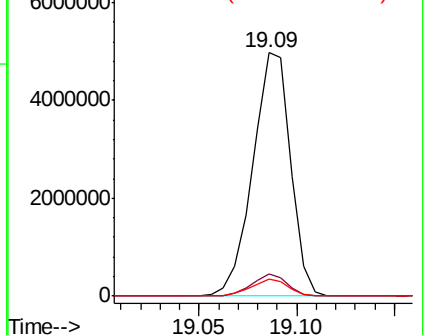
202 100

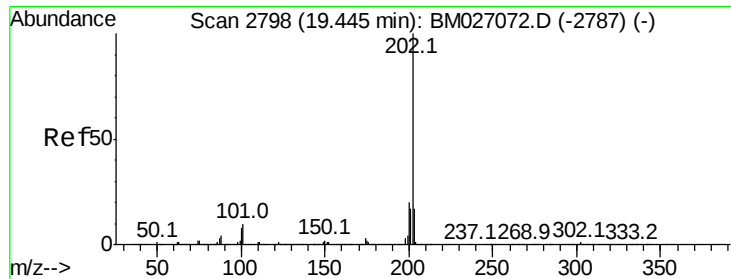
101 9.0 6.7 10.1

100 7.0 5.4 8.2



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): B

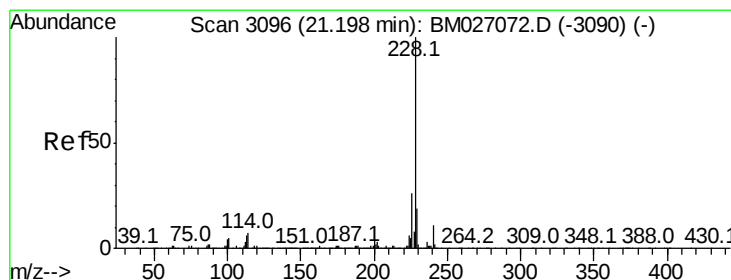
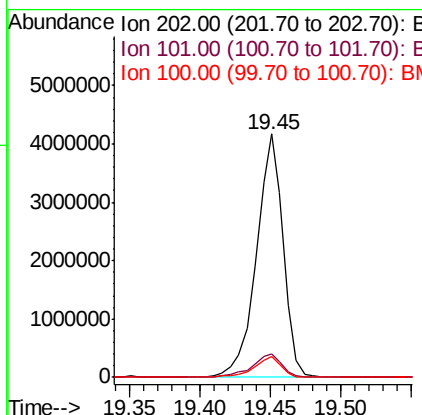
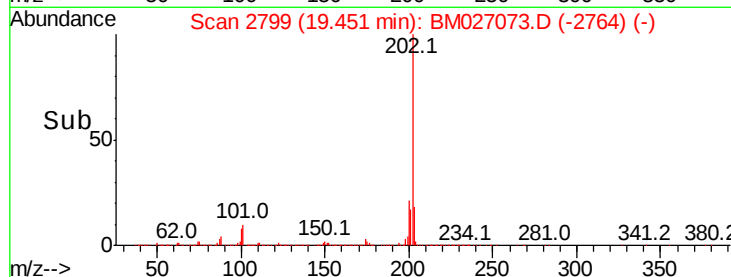
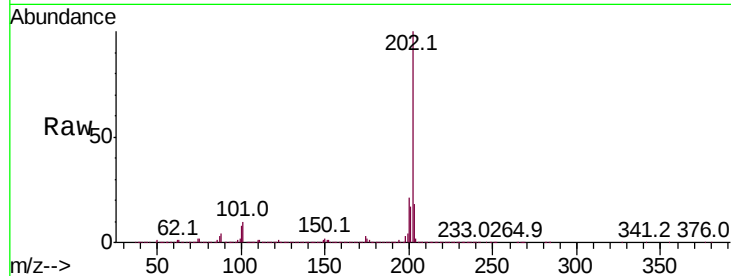




#80
Pvrene
Concen: 116.093 ng/ul
RT: 19.45 min Scan# 2799
Delta R.T. 0.01 min
Lab File: BM027073.D
Acq: 13 Aug 2020 23:42

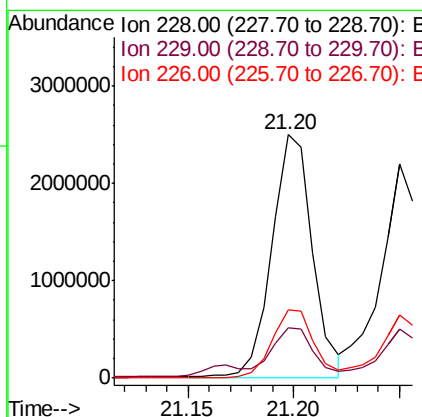
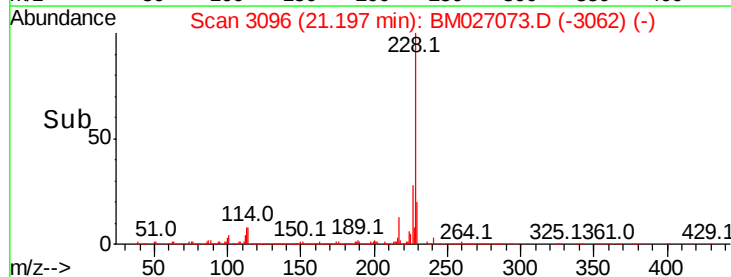
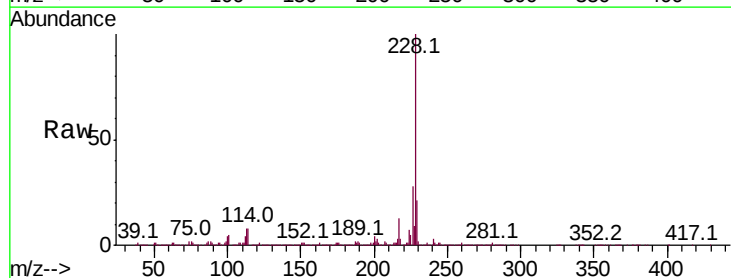
Instrument :
BNA_M
ClientSampleId :
BFM73

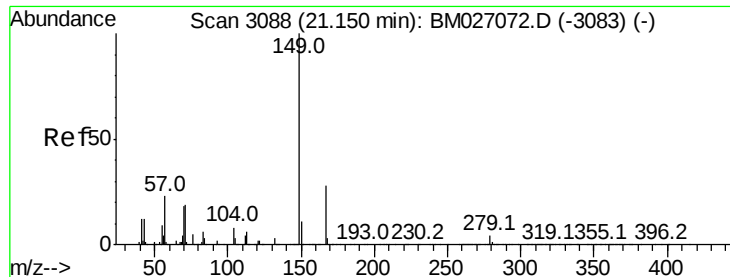
Tot Ion:202 Resp: 5530243
Ion Ratio Lower Upper
202 100
101 9.8 7.6 11.4
100 8.3 6.3 9.5



#83
Benzo(a)anthracene
Concen: 71.064 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM027073.D
Acq: 13 Aug 2020 23:42

Tgt Ion:228 Resp: 3357457
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.6
226 28.3 21.2 31.8

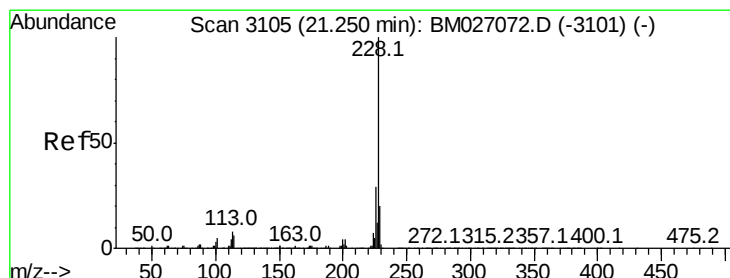
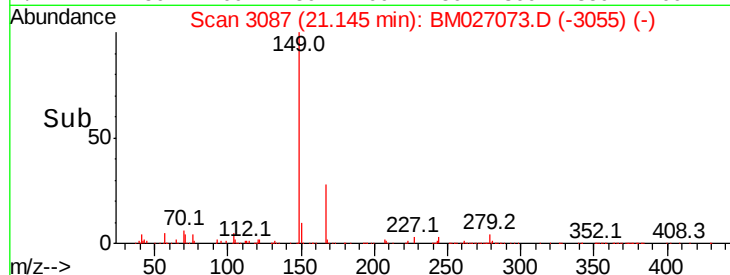
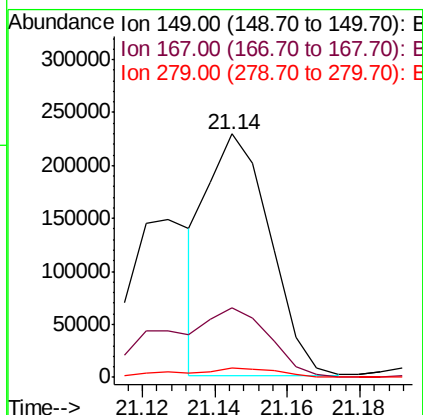
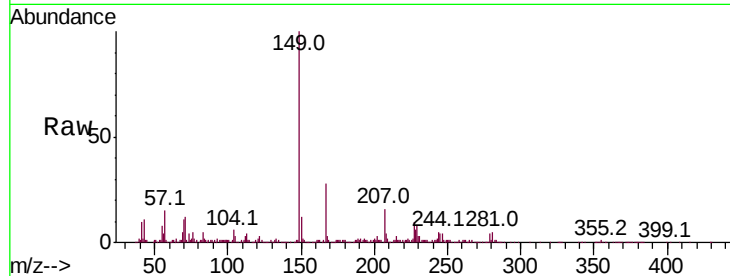




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 10.341 ng/ul
 RT: 21.14 min Scan# 3087
 Delta R.T. -0.01 min
 Lab File: BM027073.D
 Acq: 13 Aug 2020 23:42

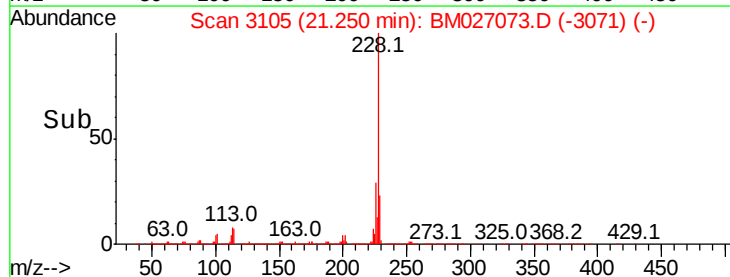
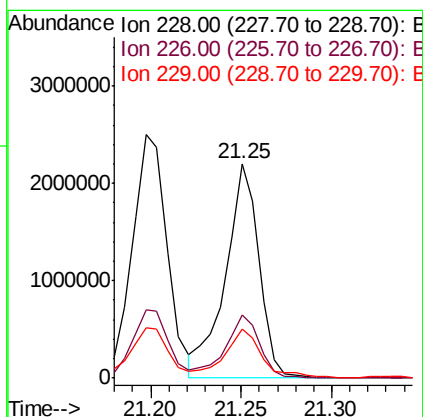
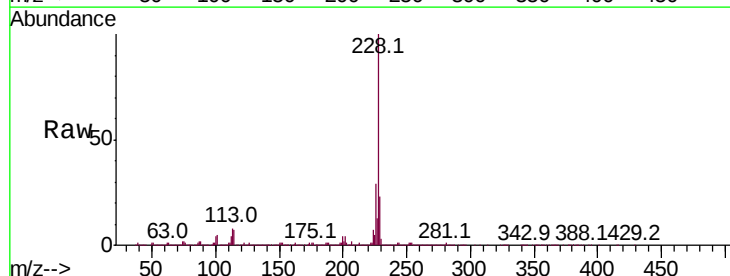
Instrument :
 BNA_M
 ClientSampleId :
 BFM73

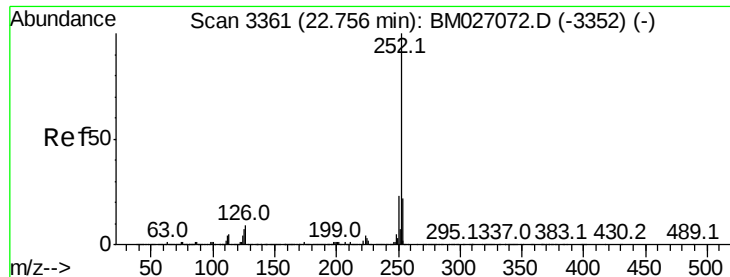
Tot Ion:149 Resp: 273541
 Ion Ratio Lower Upper
 149 100
 167 28.3 21.6 32.4
 279 3.6 3.9 5.9#



#85
 Chrysene
 Concen: 60.763 ng/ul
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.00 min
 Lab File: BM027073.D
 Acq: 13 Aug 2020 23:42

Tgt Ion:228 Resp: 2817892
 Ion Ratio Lower Upper
 228 100
 226 29.4 23.8 35.6
 229 23.1 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 72.529 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

Instrument :

BNA_M

ClientSampleId :

BFM73

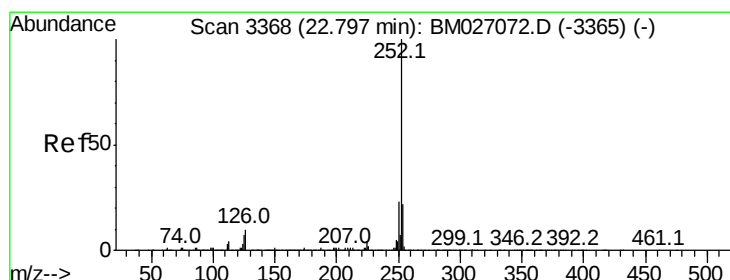
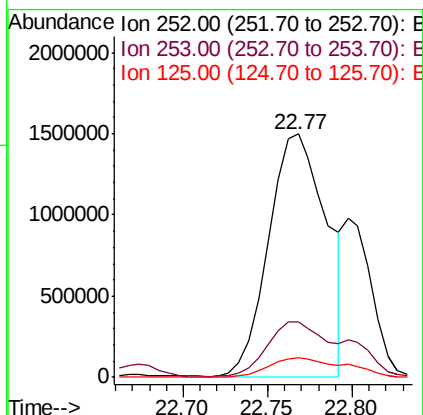
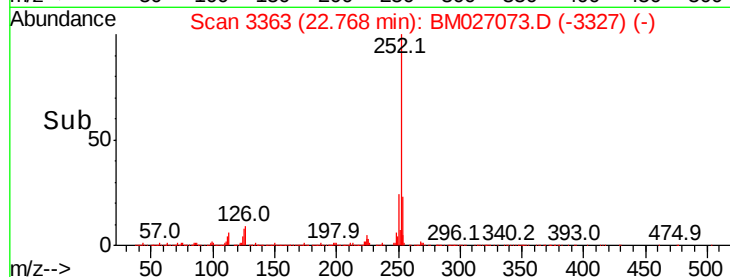
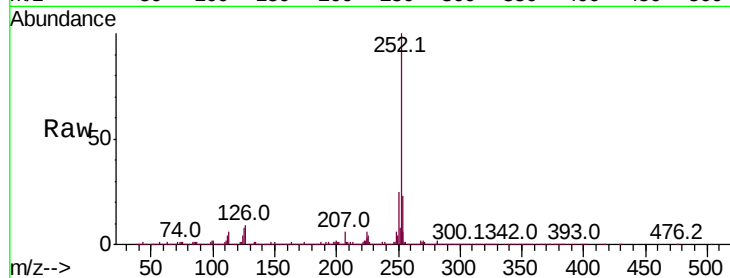
Tot Ion:252 Resp: 3556255

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 8.1 6.0 9.0



#89

Benzo(k)fluoranthene

Concen: 73.182 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.03 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

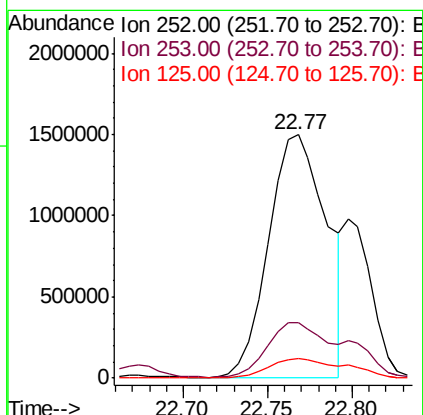
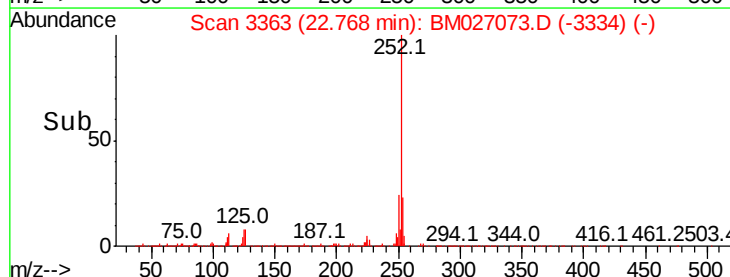
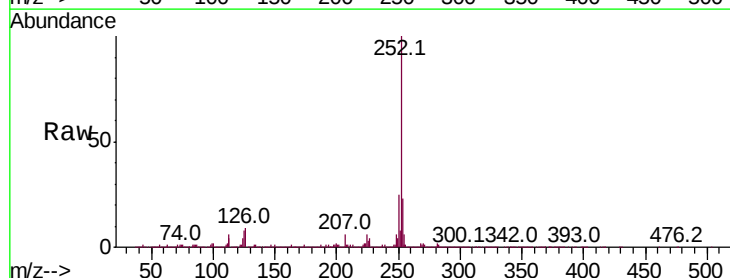
Tgt Ion:252 Resp: 3556255

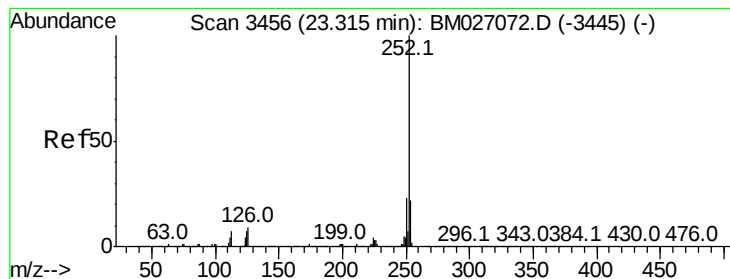
Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 8.1 5.5 8.3





#91

Benzo(a)pyrene

Concen: 57.811 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

Instrument :

BNA_M

ClientSampleId :

BFM73

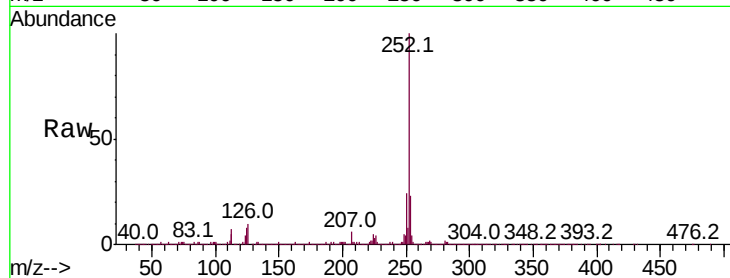
Tot Ion:252 Resp: 2579694

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 8.2 5.8 8.8

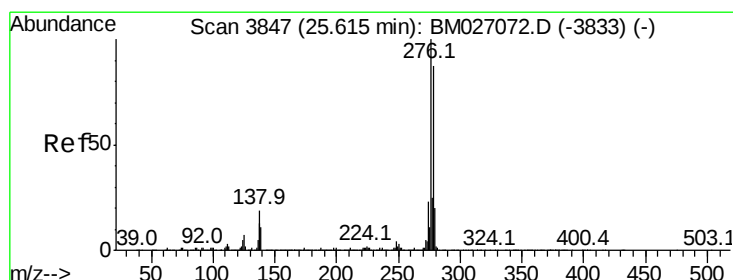
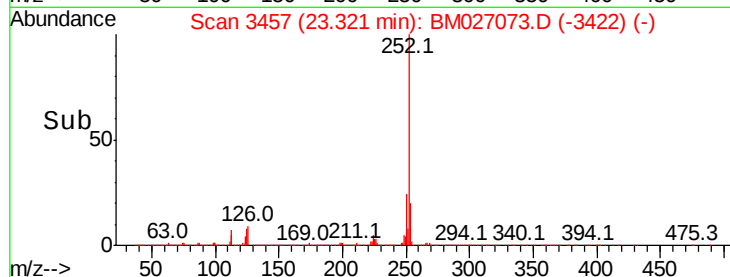
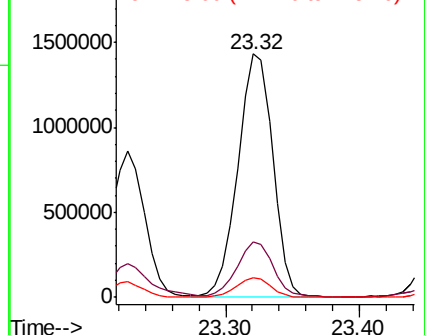


Abundance

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



#92

Indeno(1,2,3-cd)pyrene

Concen: 26.924 ng/ul

RT: 25.61 min Scan# 3847

Delta R.T. 0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

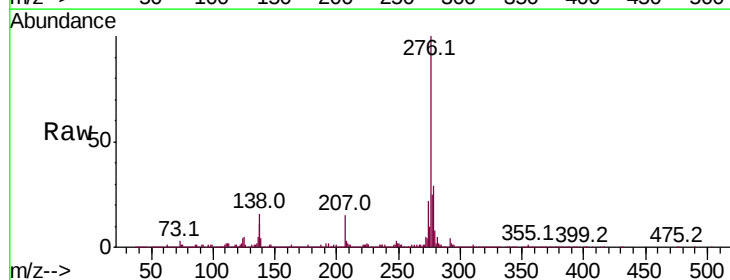
Tgt Ion:276 Resp: 1548060

Ion Ratio Lower Upper

276 100

138 16.1 13.9 20.9

277 25.0 19.8 29.8

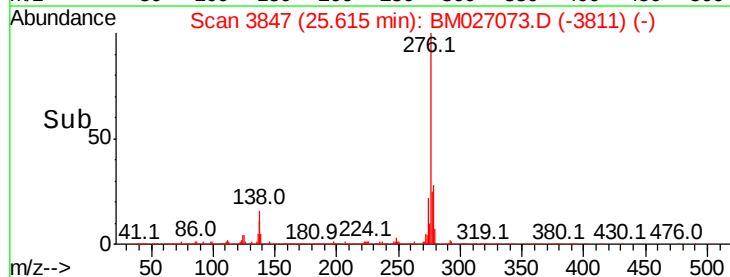
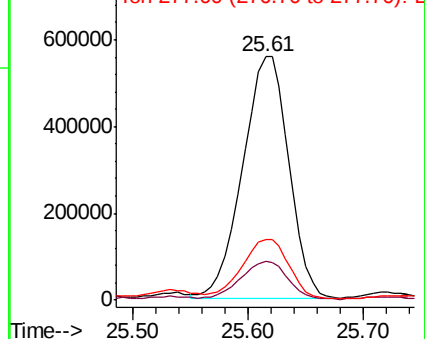


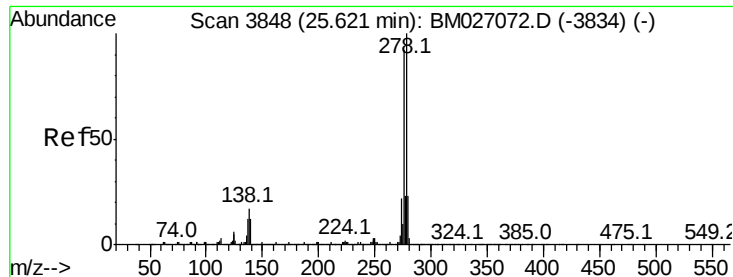
Abundance

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: 9.974 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

Instrument :

BNA_M

ClientSampled :

BFM73

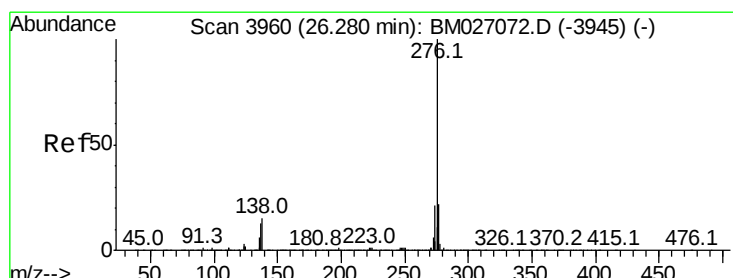
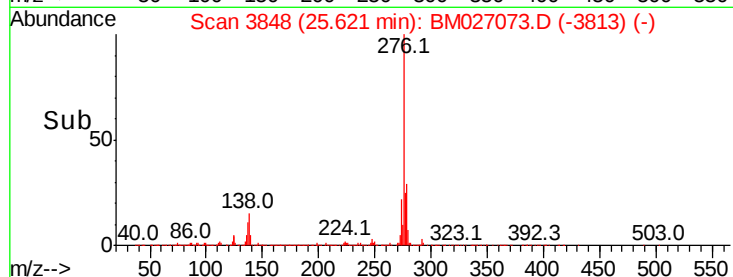
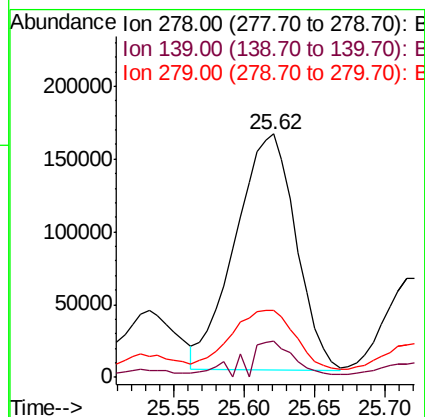
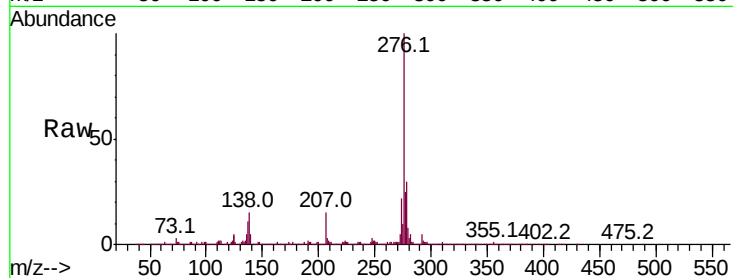
Tot Ion:278 Resp: 485735

Ion Ratio Lower Upper

278 100

139 15.1 9.4 14.0#

279 27.5 18.7 28.1



#94

Benzo(g,h,i)perylene

Concen: 22.018 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.02 min

Lab File: BM027073.D

Acq: 13 Aug 2020 23:42

Tgt Ion:276 Resp: 1045658

Ion Ratio Lower Upper

276 100

138 15.8 12.3 18.5

277 24.1 19.0 28.6

