

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
 Data File : BM025659.D
 Acq On : 20 Mar 2020 13:18
 Operator : CG/JU
 Sample : L1972-08 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0AH6

Quant Time: Mar 20 14:36:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 20 11:44:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	216252	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	878719	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	533483	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	1109979	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	1242231	20.00	ng/ul	0.00
86) Perylene-d12	23.31	264	1405553	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	1916	0.37	ng/uL	0.01
5) Phenol-d5	6.76	99	41206	2.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	25073	2.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	34647	2.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	32079	2.29	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	15666	2.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	14245	2.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	33714	2.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	39257	2.38	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	109347	2.70	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	124387	2.56	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	11150	1.44	ng/ul	0.00
58) Fluorene-d10	15.21	176	101126	2.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.34	200	6575	0.97	ng/ul	0.00
71) Anthracene-d10	17.06	188	154998	2.99	ng/ul	0.00
79) Pyrene-d10	19.36	212	172245	2.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.18	264	213755	2.97	ng/ul	0.00

Target Compounds

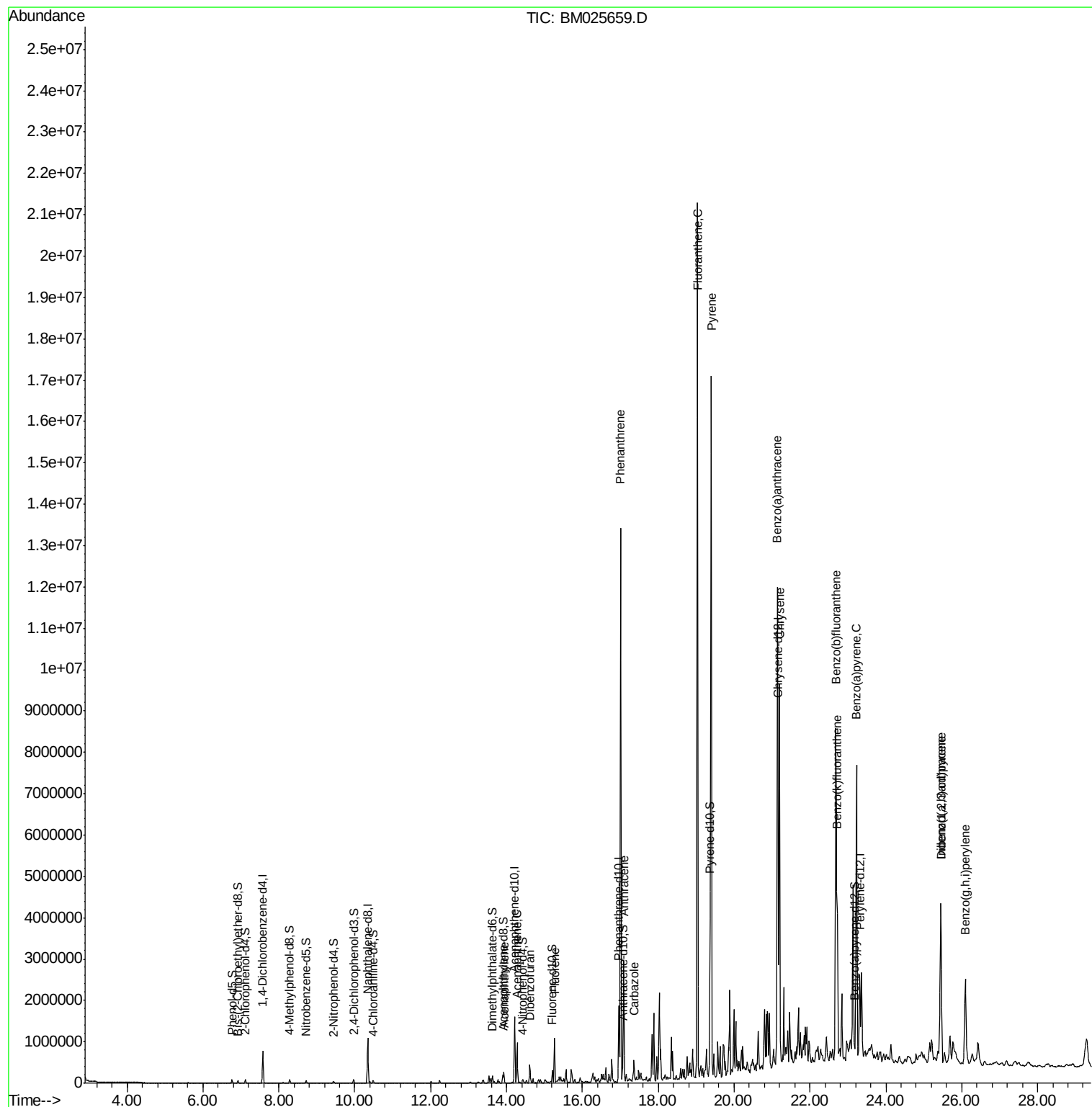
					Ovalue
48) Acenaphthylene	13.93	152	165230	3.141	ng/ul 99
50) Acenaphthene	14.28	153	380745	10.646	ng/ul 99
54) Dibenzofuran	14.62	168	230572	4.545	ng/ul 95
59) Fluorene	15.27	166	435430	10.203	ng/ul 99
70) Phenanthrene	17.01	178	7847268	120.108	ng/ul 99
72) Anthracene	17.10	178	1804011	27.093	ng/ul 100
75) Carbazole	17.36	167	303253	5.211	ng/ul 98
77) Fluoranthene	19.03	202	12876684	167.202	ng/ul 96
80) Pyrene	19.40	202	10581608	126.833	ng/ul 98
83) Benzo(a)anthracene	21.14	228	5576447	68.089	ng/ul 97
85) Chrysene	21.20	228	4566851	56.834	ng/ul 97
88) Benzo(b)fluoranthene	22.69	252	6851141	78.121	ng/ul 98
89) Benzo(k)fluoranthene	22.72	252	2260067	26.160	ng/ul 98
91) Benzo(a)pyrene	23.23	252	4847547	60.739	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.45	276	3520480	33.402	ng/ul 97
93) Dibenzo(a,h)anthracene	25.45	278	862467	9.663	ng/ul# 86
94) Benzo(g,h,i)perylene	26.10	276	2438611	28.073	ng/ul 98

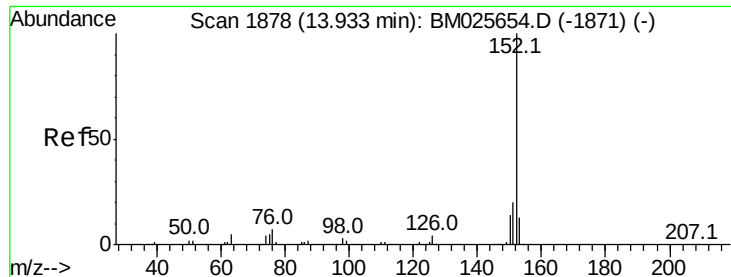
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#48

Acenaphthylene

Concen: 3.141 ng/ul

RT: 13.93 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

Instrument :

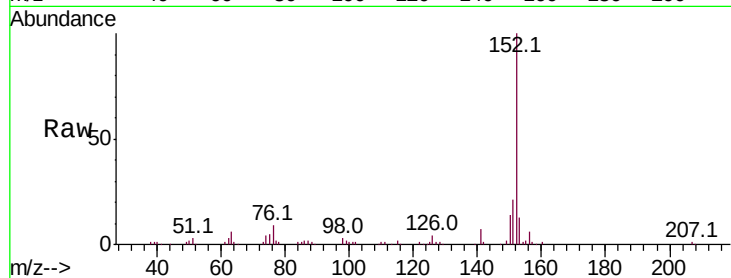
BNA_M

ClientSampleId :

B0AH6

Tot Ion:152 Resp: 165230

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	13.2	10.6	16.0

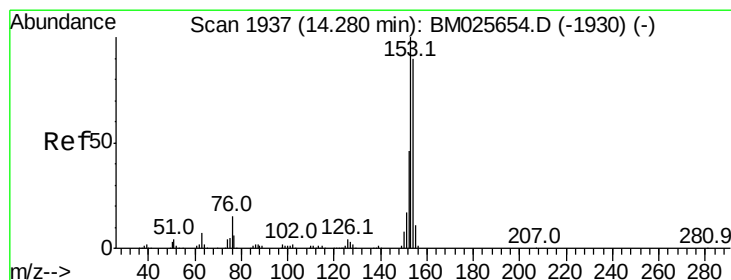
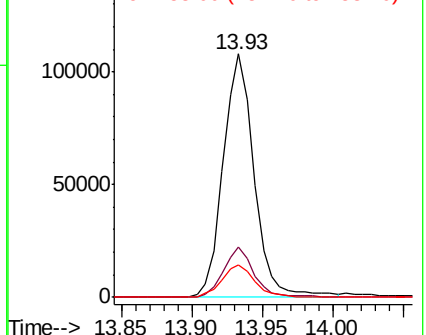
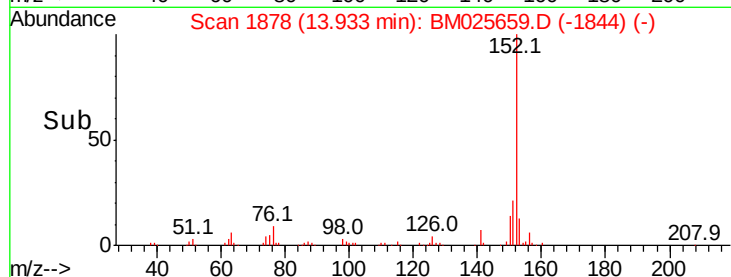


Abundance

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: 10.646 ng/ul

RT: 14.28 min Scan# 1937

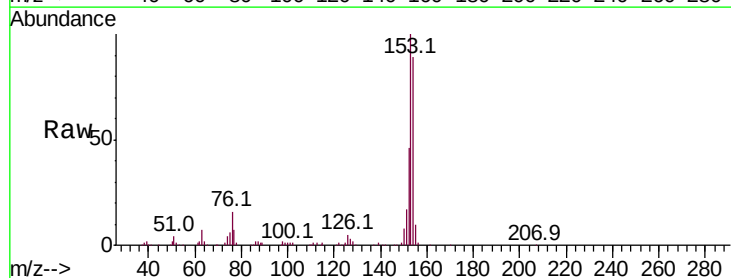
Delta R.T. -0.00 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

Tgt Ion:153 Resp: 380745

Ion	Ratio	Lower	Upper
153	100		
152	45.8	37.6	56.4
154	89.3	72.2	108.2

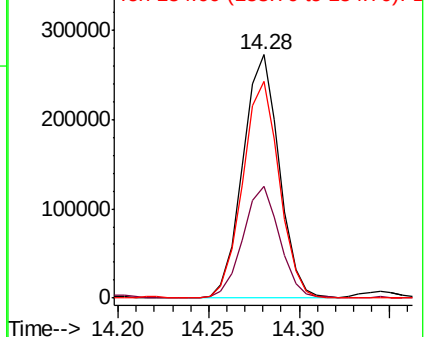
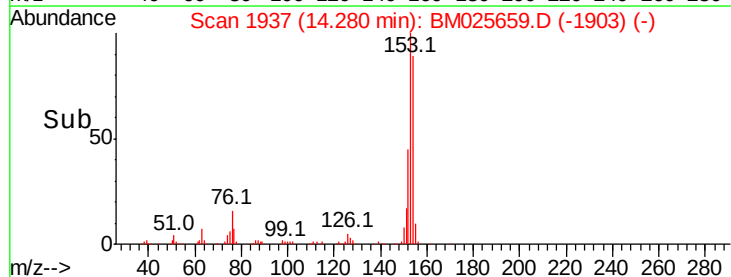


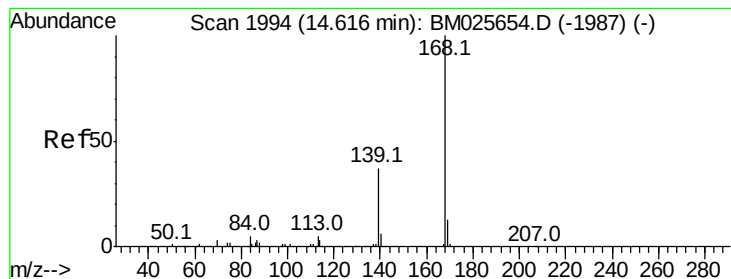
Abundance

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: 4.545 ng/ul

RT: 14.62 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

Instrument :

BNA_M

ClientSampleId :

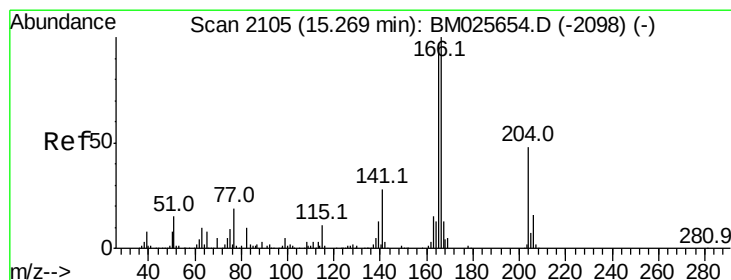
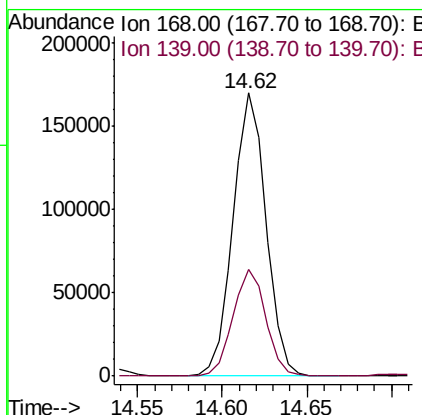
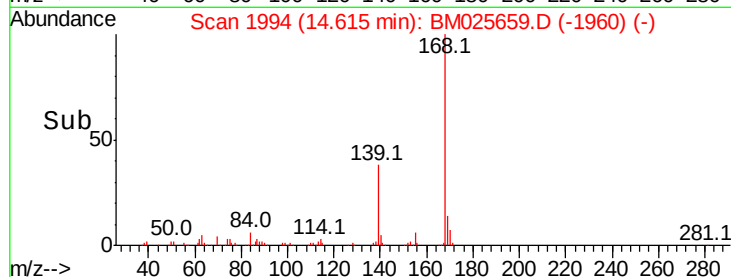
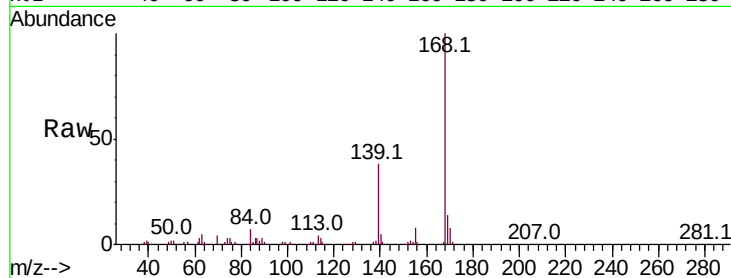
B0AH6

Tot Ion:168 Resp: 230572

Ion Ratio Lower Upper

168 100

139 37.9 28.2 42.2



#59

Fluorene

Concen: 10.203 ng/ul

RT: 15.27 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

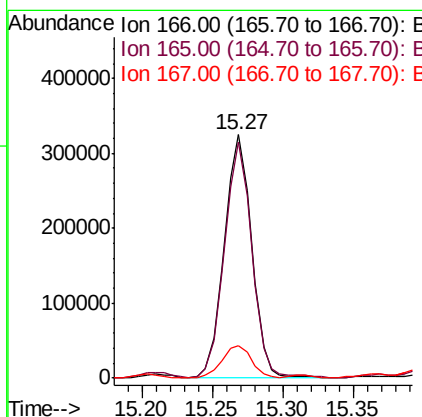
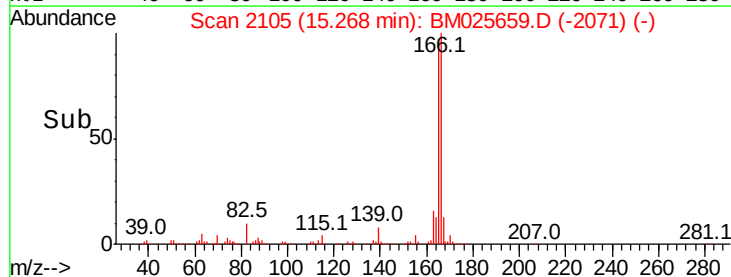
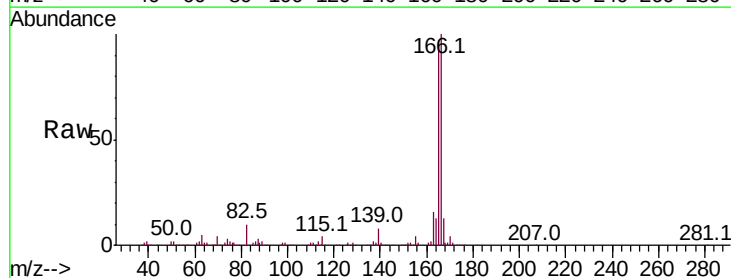
Tgt Ion:166 Resp: 435430

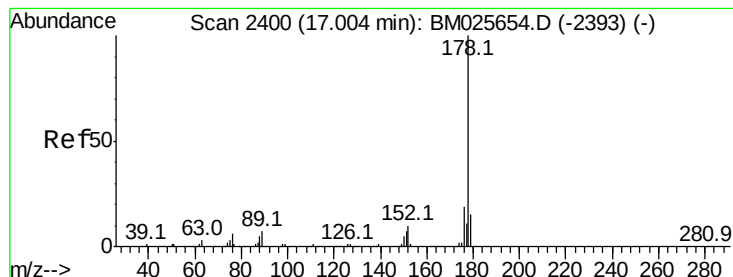
Ion Ratio Lower Upper

166 100

165 97.1 77.2 115.8

167 13.4 11.2 16.8





#70

Phenanthrene

Concen: 120.108 ng/ul

RT: 17.01 min Scan# 2401

Delta R.T. 0.01 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

Instrument :

BNA_M

ClientSampleId :

B0AH6

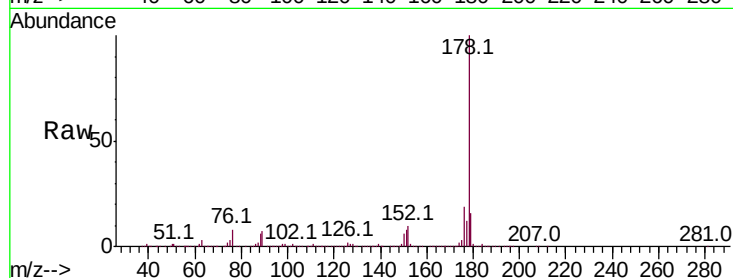
Tot Ion:178 Resp: 7847268

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.4
176	18.9	15.3	22.9

178 100

179 15.7 12.2 18.4

176 18.9 15.3 22.9

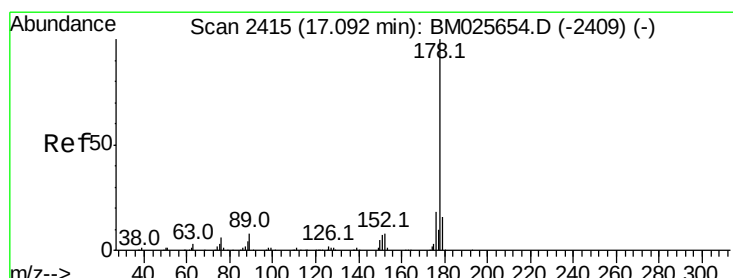
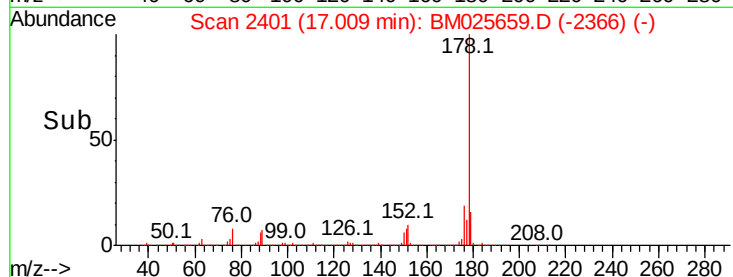
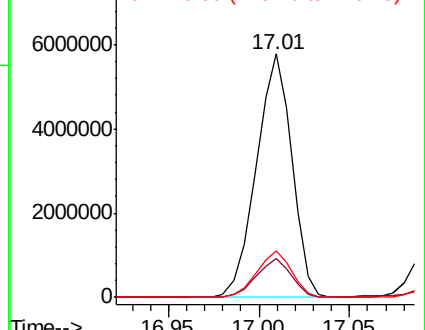


Abundance

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: 27.093 ng/ul

RT: 17.10 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

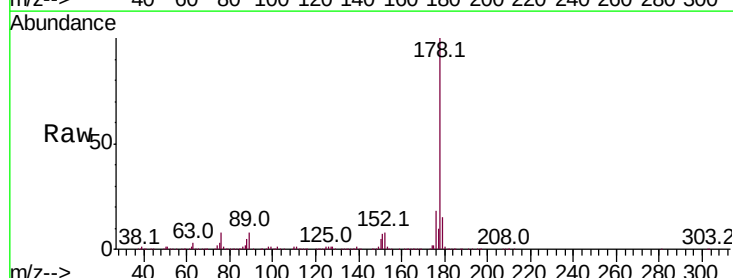
Tgt Ion:178 Resp: 1804011

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.5	18.7
176	18.2	14.5	21.7

178 100

179 15.3 12.5 18.7

176 18.2 14.5 21.7

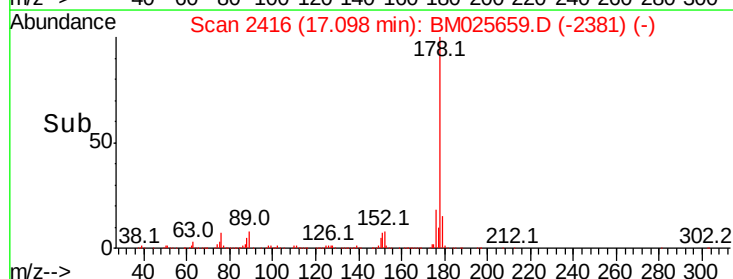
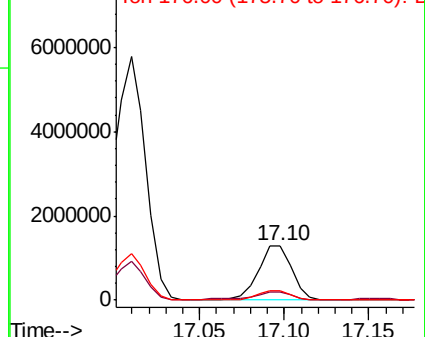


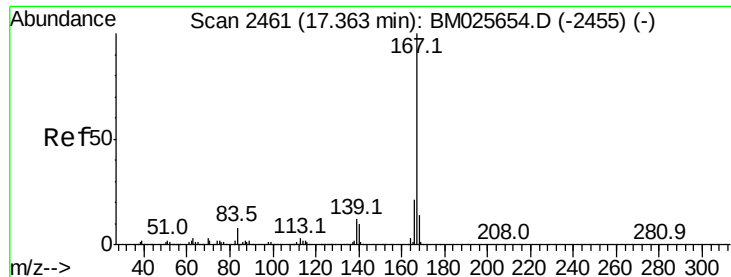
Abundance

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

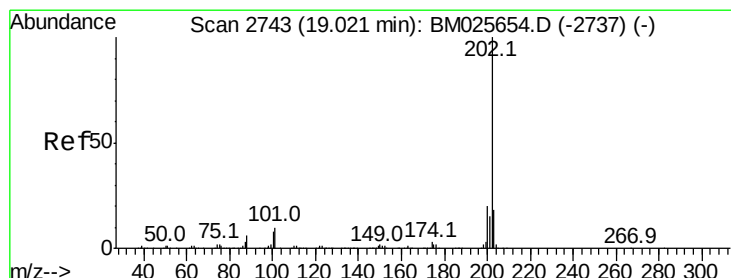
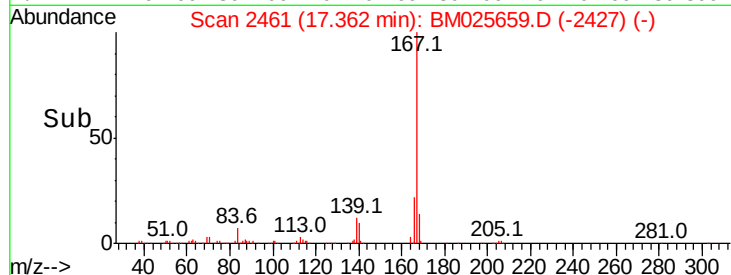
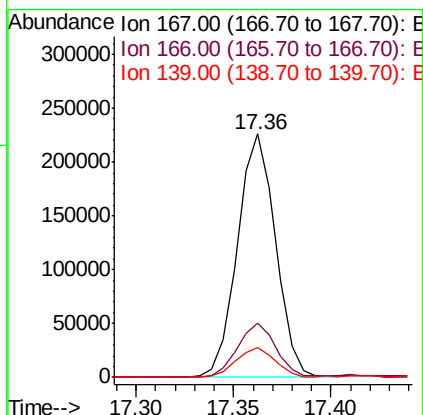
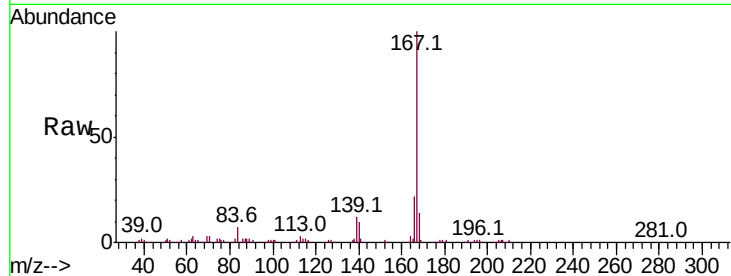




#75
 Carbazole
 Concen: 5.211 ng/ul
 RT: 17.36 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: BM025659.D
 Acq: 20 Mar 2020 13:18

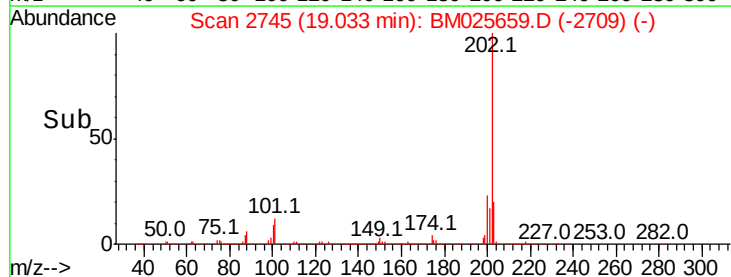
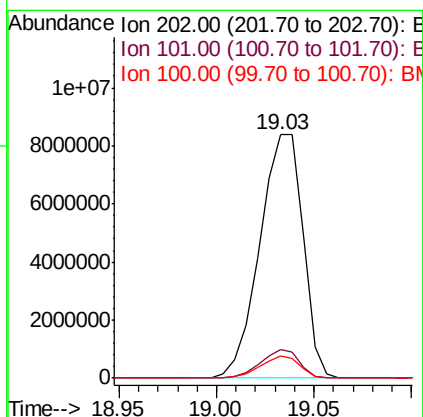
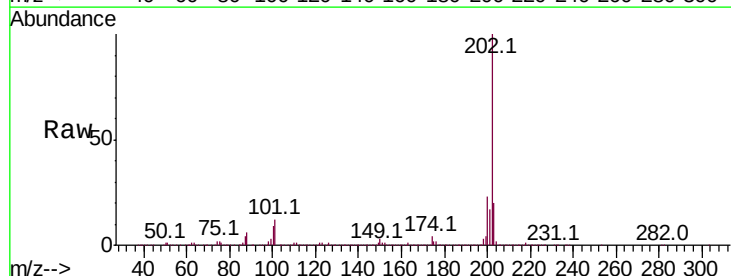
Instrument :
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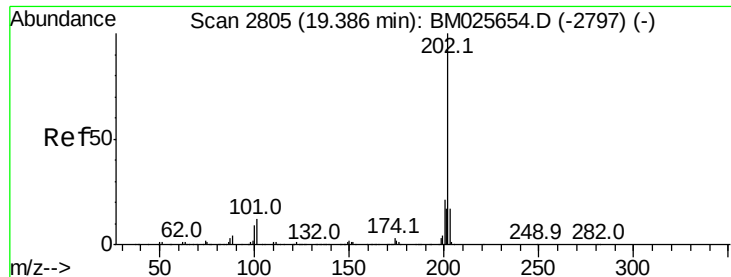
Tot Ion:167 Resp: 303253
 Ion Ratio Lower Upper
 167 100
 166 22.1 16.7 25.1
 139 12.3 9.8 14.8



#77
 Fluoranthene
 Concen: 167.202 ng/ul
 RT: 19.03 min Scan# 2745
 Delta R.T. 0.01 min
 Lab File: BM025659.D
 Acq: 20 Mar 2020 13:18

Tgt Ion:202 Resp:12876684
 Ion Ratio Lower Upper
 202 100
 101 11.9 8.2 12.4
 100 9.3 6.5 9.7

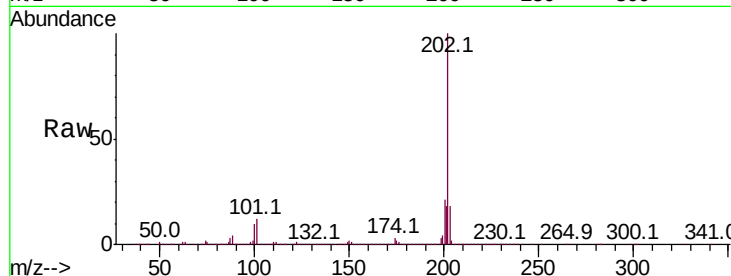




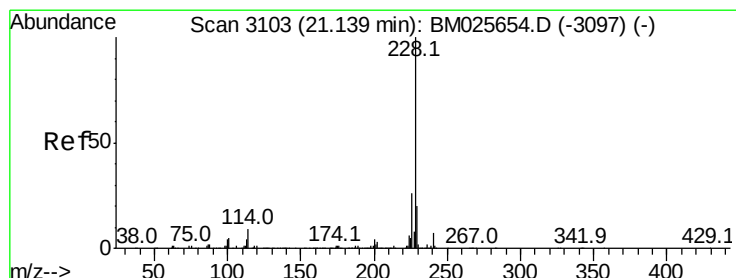
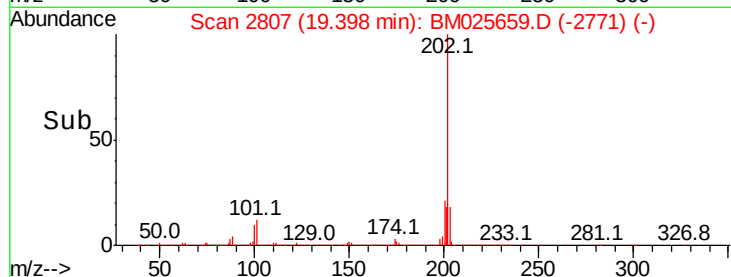
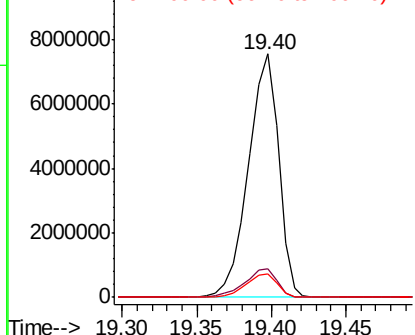
#80
Pvrene
Concen: 126.833 ng/ul
RT: 19.40 min Scan# 2807
Delta R.T. 0.01 min
Lab File: BM025659.D
Acq: 20 Mar 2020 13:18

Instrument :
BNA_M
ClientSampleId :
B0AH6

Tot Ion:202 Resp:10581608
Ion Ratio Lower Upper
202 100
101 11.9 8.9 13.3
100 9.9 7.5 11.3

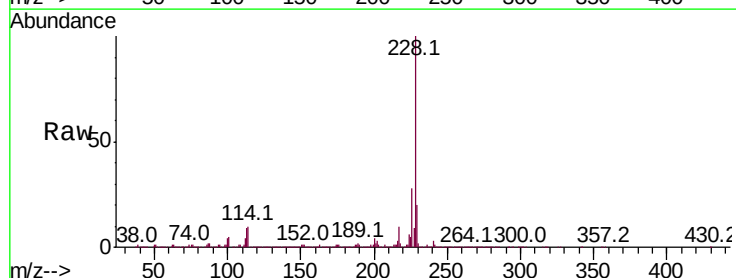


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

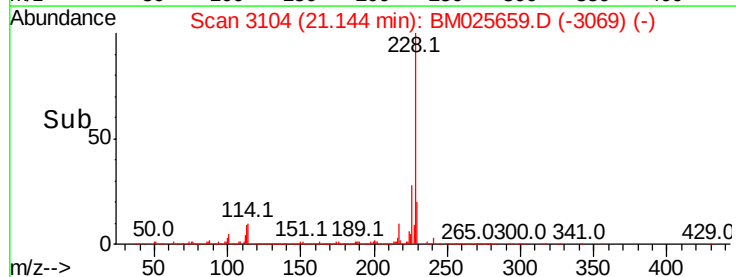
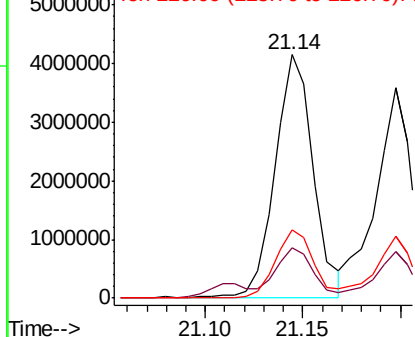


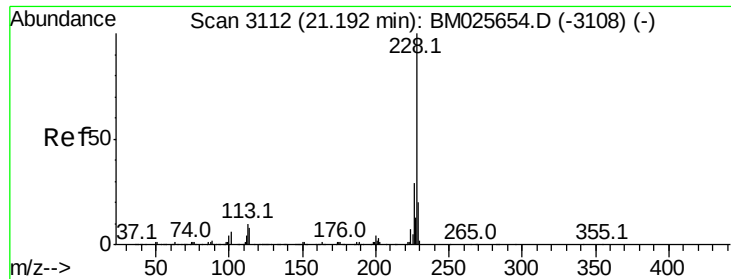
#83
Benzo(a)anthracene
Concen: 68.089 ng/ul
RT: 21.14 min Scan# 3104
Delta R.T. 0.01 min
Lab File: BM025659.D
Acq: 20 Mar 2020 13:18

Tgt Ion:228 Resp: 5576447
Ion Ratio Lower Upper
228 100
229 20.5 15.5 23.3
226 28.1 21.0 31.6



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





#85

Chrysene

Concen: 56.834 ng/ul

RT: 21.20 min Scan# 3113

Delta R.T. 0.01 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

Instrument :

BNA_M

ClientSampleId :

B0AH6

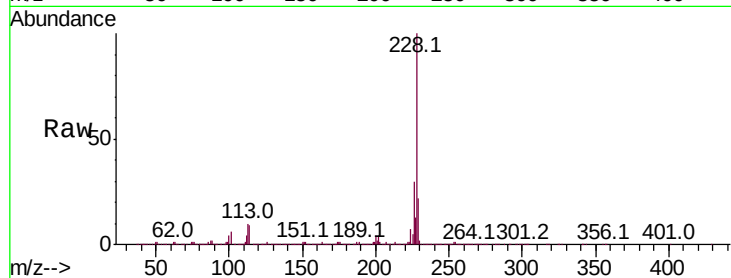
Tot Ion:228 Resp: 4566851

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.0

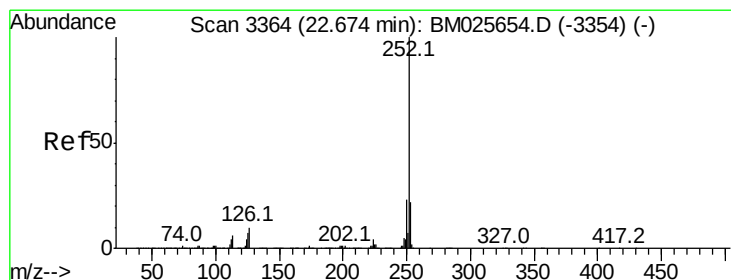
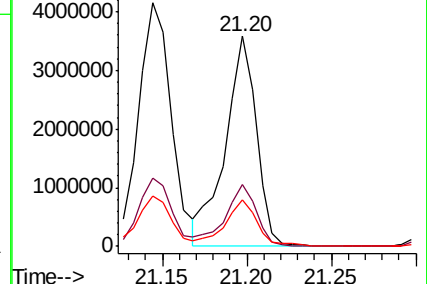
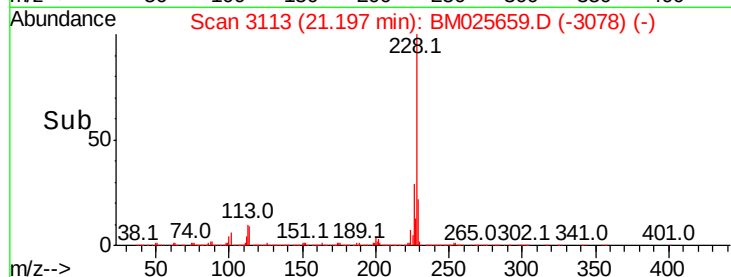
229 22.2 15.6 23.4



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: 78.121 ng/ul

RT: 22.69 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

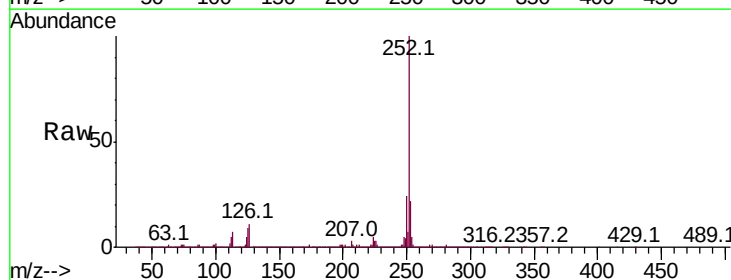
Tgt Ion:252 Resp: 6851141

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

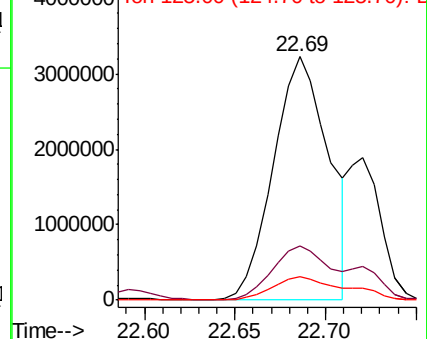
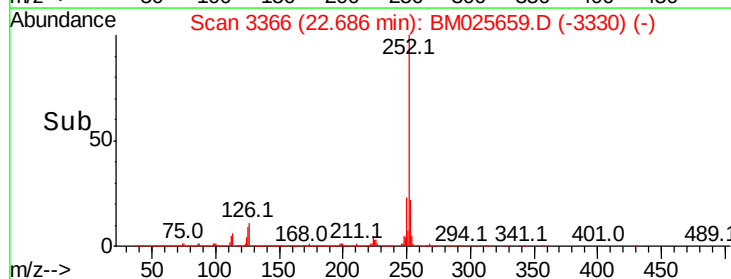
125 9.4 6.7 10.1

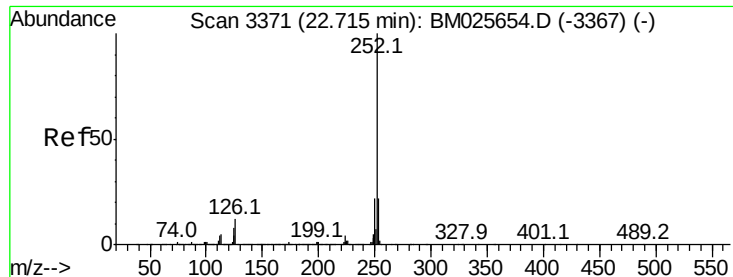


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 26.160 ng/ul

RT: 22.72 min Scan# 3372

Delta R.T. 0.01 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

Instrument :

BNA_M

ClientSampled :

B0AH6

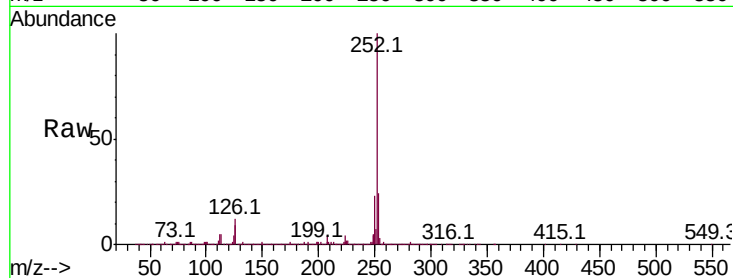
Tot Ion:252 Resp: 2260067

Ion Ratio Lower Upper

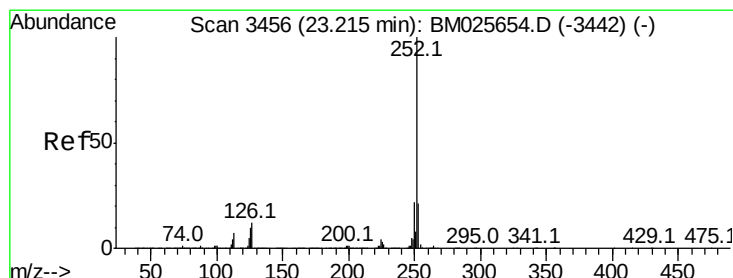
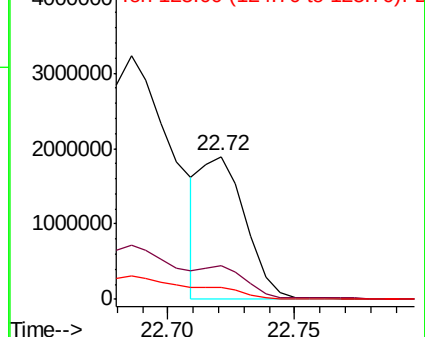
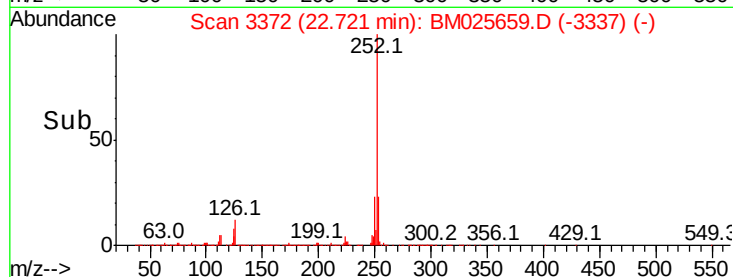
252 100

253 23.7 17.7 26.5

125 8.6 6.9 10.3



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: 60.739 ng/ul

RT: 23.23 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

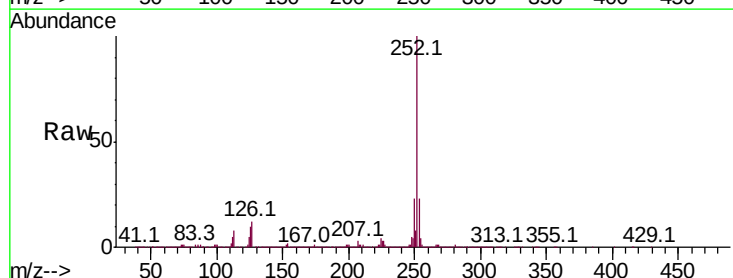
Tgt Ion:252 Resp: 4847547

Ion Ratio Lower Upper

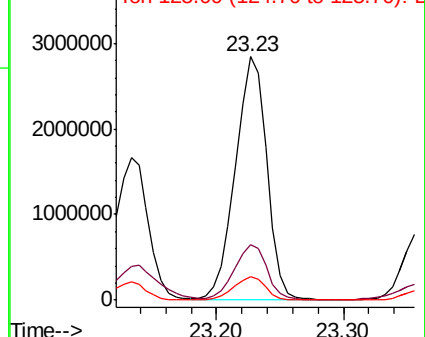
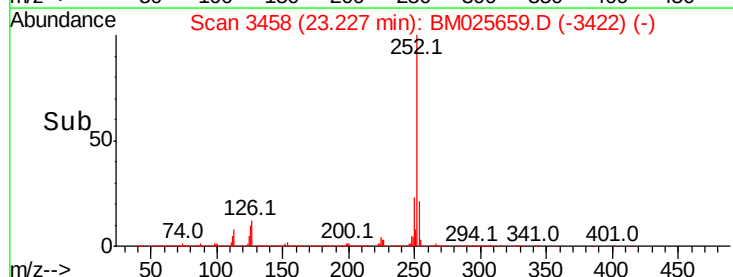
252 100

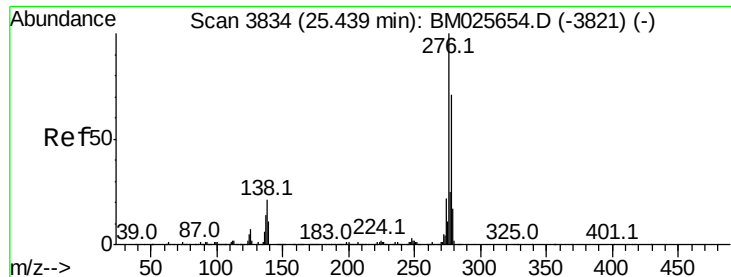
253 23.0 17.0 25.6

125 9.7 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: 33.402 ng/ul

RT: 25.45 min Scan# 3836

Delta R.T. 0.01 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

Instrument :

BNA_M

ClientSampleId :

B0AH6

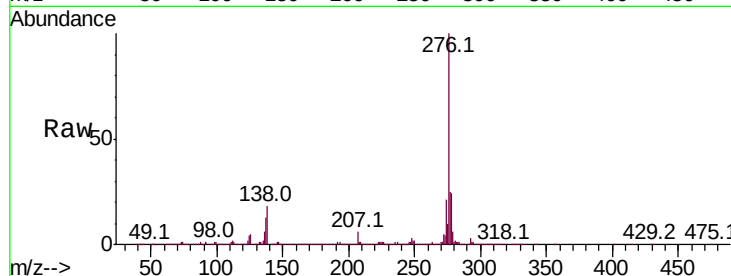
Tot Ion:276 Resp: 3520480

Ion Ratio Lower Upper

276 100

138 17.8 16.5 24.7

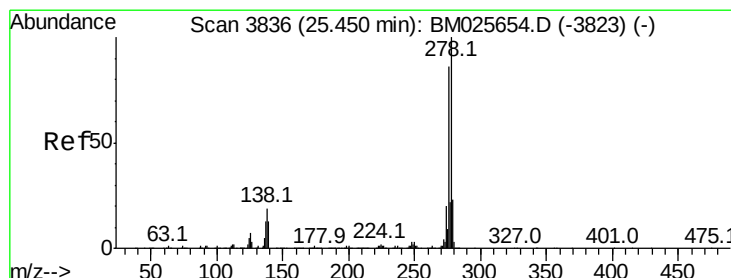
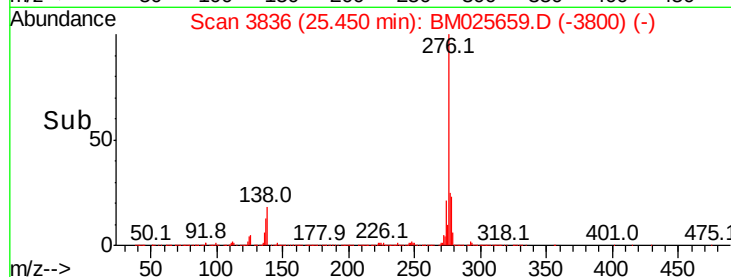
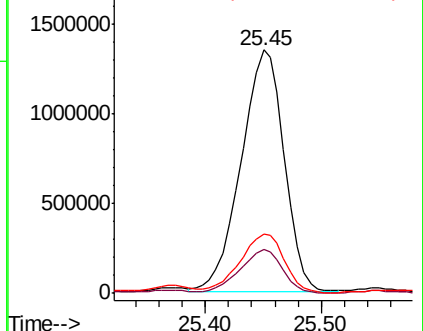
277 24.6 19.7 29.5



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: 9.663 ng/ul

RT: 25.45 min Scan# 3836

Delta R.T. -0.00 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

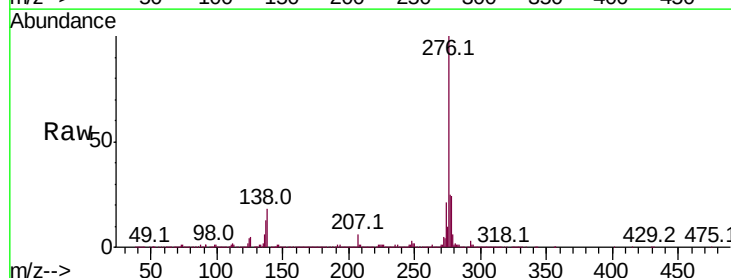
Tgt Ion:278 Resp: 862467

Ion Ratio Lower Upper

278 100

139 0.0 10.4 15.6#

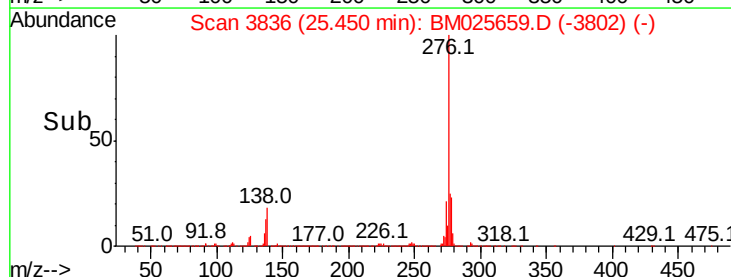
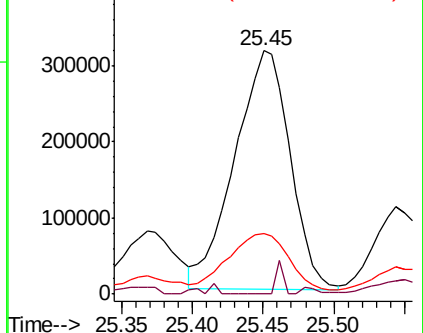
279 25.0 18.6 28.0

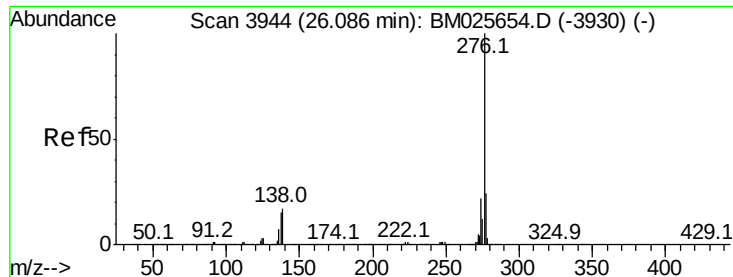


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 28.073 ng/ul

RT: 26.10 min Scan# 3946

Delta R.T. 0.01 min

Lab File: BM025659.D

Acq: 20 Mar 2020 13:18

Instrument :

BNA_M

ClientSampleId :

B0AH6

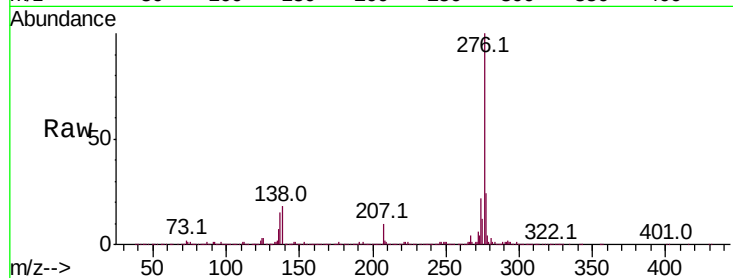
Tot Ion:276 Resp: 2438611

Ion Ratio Lower Upper

276 100

138 17.6 13.2 19.8

277 24.2 19.0 28.4



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

