

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026971.D
 Acq On : 31 Jul 2020 22:57
 Operator : JU/CG
 Sample : L3424-16 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 00:49:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 00:45:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	125191	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	490554	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	298164	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	606321	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	609916	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	604556	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2521	0.92	ng/uL	0.00
5) Phenol-d5	6.84	99	64305	5.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	44377	5.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	49889	6.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	50844	6.02	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	24537	6.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	25038	7.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	49567	5.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	40841	4.10	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	148585	6.35	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	186516	6.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	13727	3.47	ng/ul	0.00
58) Fluorene-d10	15.29	176	125253	6.16	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	10922	4.04	ng/ul	0.00
71) Anthracene-d10	17.14	188	187013	6.17	ng/ul	0.00
79) Pyrene-d10	19.43	212	191964	5.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	197974	5.80	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.48	128	107092	3.908	ng/ul	98
30) 4-Chloroaniline	10.48	127	13891	1.383	ng/ul#	2
34) 2-Methylnaphthalene	12.10	142	54039	2.789	ng/ul	98
35) 1-Methylnaphthalene	12.32	142	35903	1.896	ng/ul#	94
45) Dimethylphthalate	13.75	163	24804	1.011	ng/ul#	95
48) Acenaphthylene	14.01	152	670833	22.192	ng/ul	99
50) Acenaphthene	14.35	153	29039	1.394	ng/ul	93
54) Dibenzofuran	14.69	168	120612	4.178	ng/ul	97
59) Fluorene	15.34	166	44772	1.842	ng/ul#	96
70) Phenanthrene	17.08	178	952643	25.884	ng/ul	99
72) Anthracene	17.17	178	1051183	27.788	ng/ul	98
75) Carbazole	17.44	167	206975	6.189	ng/ul	99
77) Fluoranthene	19.11	202	4999699	115.052	ng/ul	98
80) Pyrene	19.47	202	4652981	104.857	ng/ul	98
83) Benzo(a)anthracene	21.27	228	3398639	80.845	ng/ul	94
85) Chrysene	21.27	228	3395399	82.823	ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	6603240	152.685	ng/ul	99
89) Benzo(k)fluoranthene	22.80	252	6603240	159.116	ng/ul	99
91) Benzo(a)pyrene	23.35	252	1996915	51.171	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.67	276	2383307	49.229	ng/ul	95
93) Dibenzo(a,h)anthracene	25.67	278	647103	15.804	ng/ul#	94
94) Benzo(a,h,i)perylene	26.34	276	729327	18.219	ng/ul	99

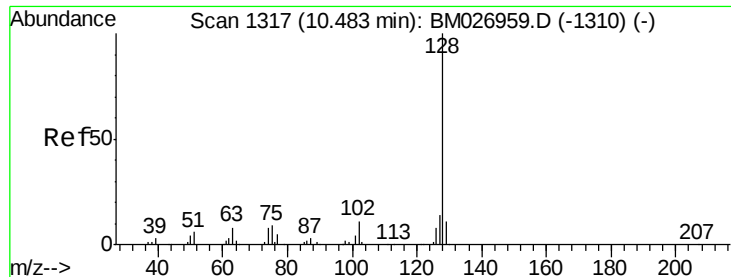
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 00:45:52 2020
Response via : Initial Calibration

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



#28

Naphthalene

Concen: 3.908 ng/ul

RT: 10.48 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampleId :

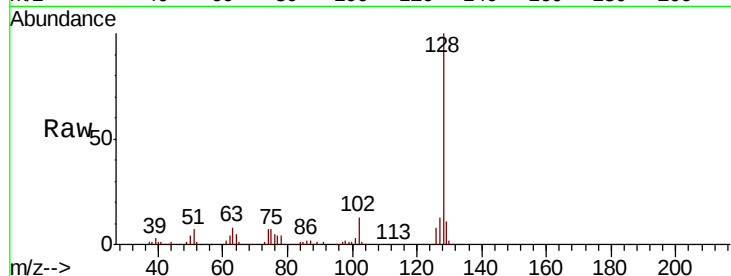
Tot Ion:128 Resp: 107092

Ion Ratio Lower Upper

128 100

129 10.6 8.3 12.5

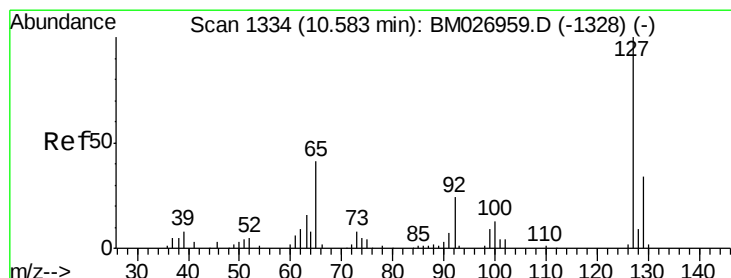
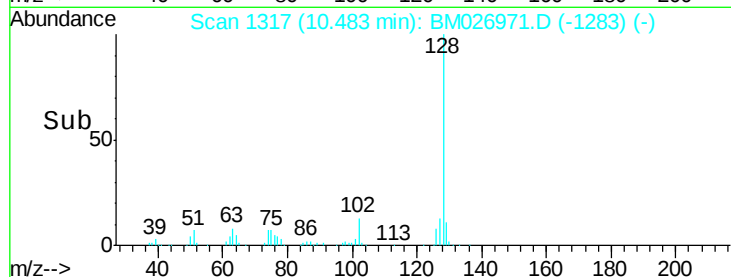
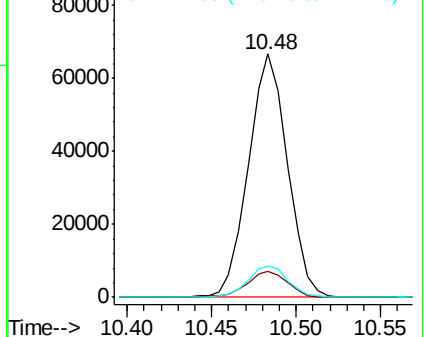
127 12.6 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 1.383 ng/ul

RT: 10.48 min Scan# 1317

Delta R.T. -0.11 min

Lab File: BM026971.D

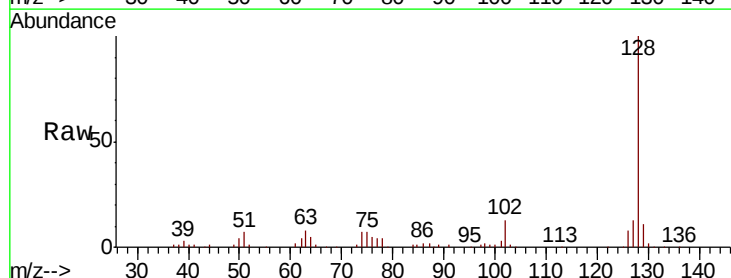
Acq: 31 Jul 2020 22:57

Tgt Ion:127 Resp: 13891

Ion Ratio Lower Upper

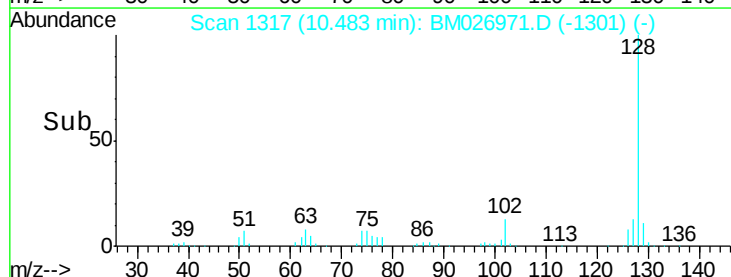
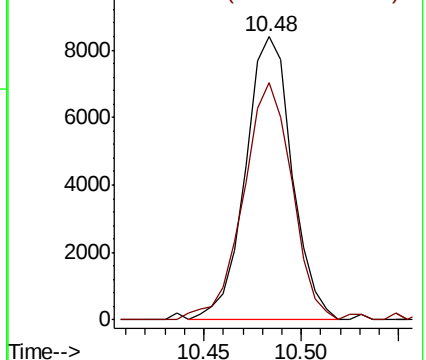
127 100

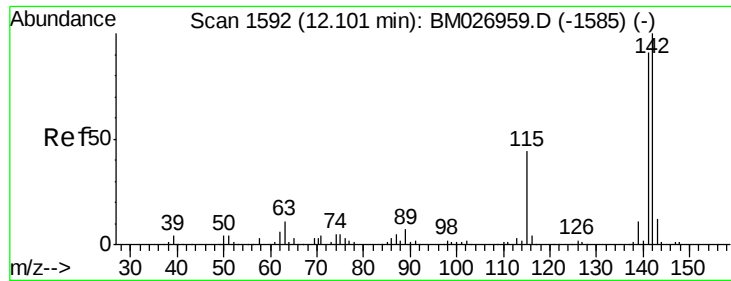
129 83.9 24.3 36.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

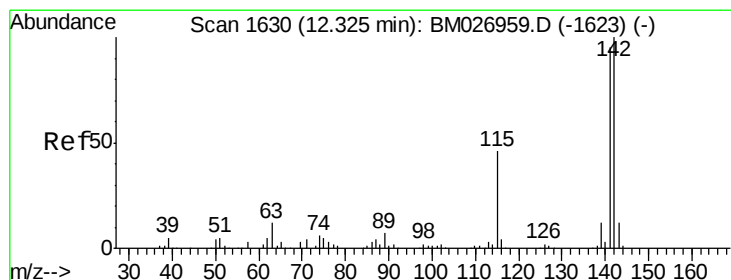
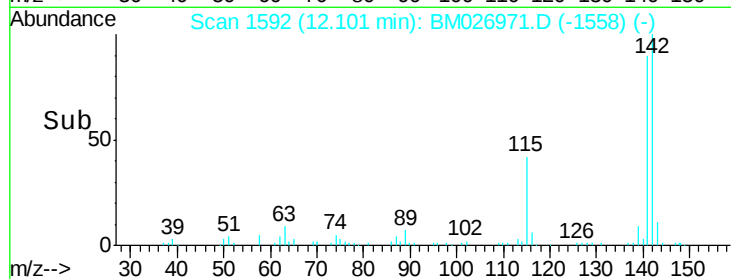
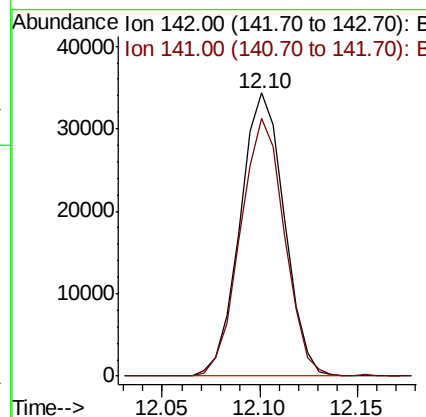
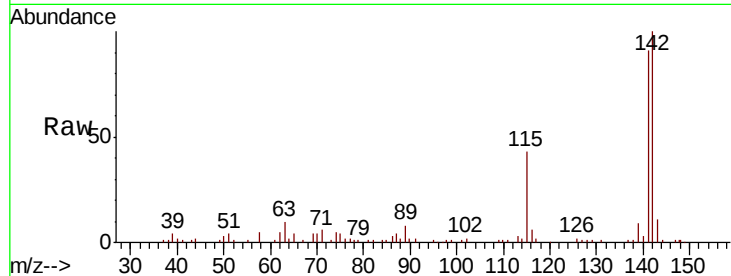




#34
 2-Methylnaphthalene
 Concen: 2.789 ng/ul
 RT: 12.10 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BM026971.D
 Acq: 31 Jul 2020 22:57

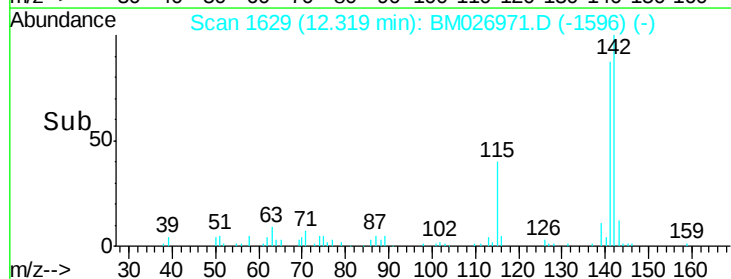
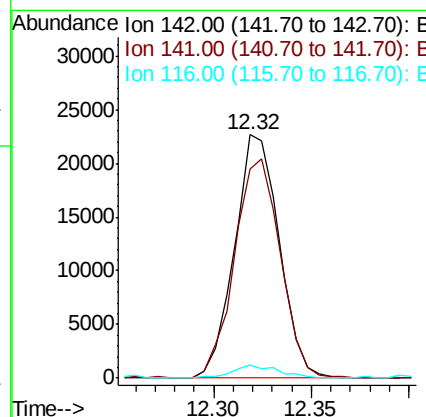
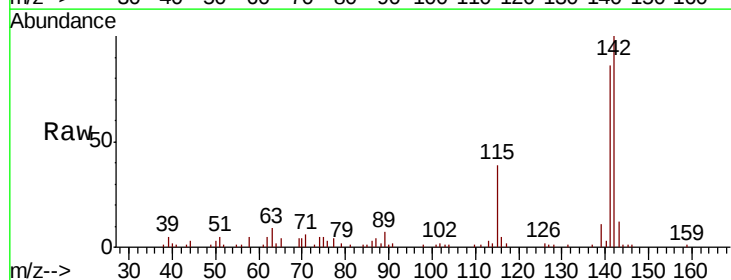
Instrument :
 BNA_M
 ClientSampleId :

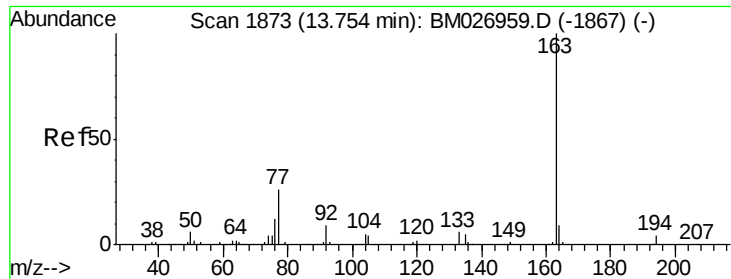
Tot Ion:142 Resp: 54039
 Ion Ratio Lower Upper
 142 100
 141 90.9 71.1 106.7



#35
 1-Methylnaphthalene
 Concen: 1.896 ng/ul
 RT: 12.32 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BM026971.D
 Acq: 31 Jul 2020 22:57

Tgt Ion:142 Resp: 35903
 Ion Ratio Lower Upper
 142 100
 141 85.7 73.3 109.9
 116 5.3 3.4 5.0#





#45

Dimethylphthalate

Concen: 1.011 ng/ul

RT: 13.75 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampleId :

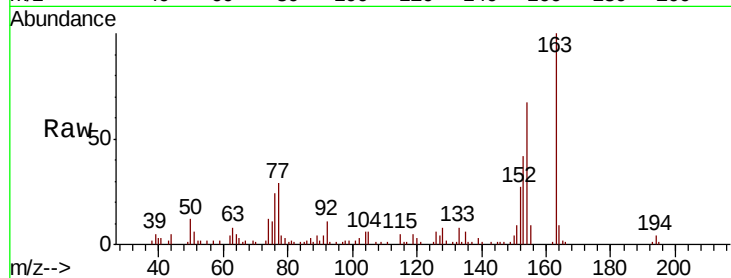
Tot Ion:163 Resp: 24804

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.6

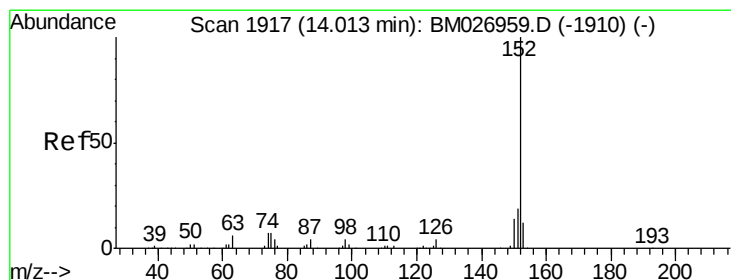
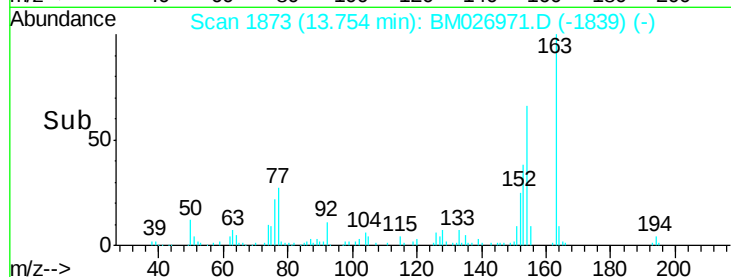
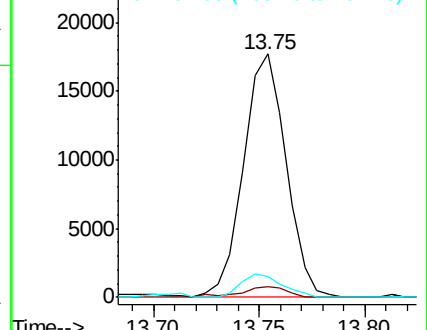
164 8.6 8.6 12.8#



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: 22.192 ng/ul

RT: 14.01 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

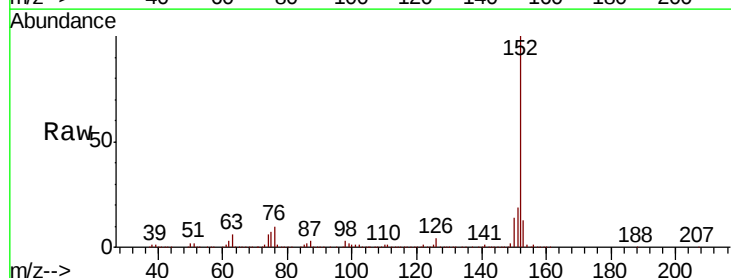
Tgt Ion:152 Resp: 670833

Ion Ratio Lower Upper

152 100

151 19.2 15.8 23.6

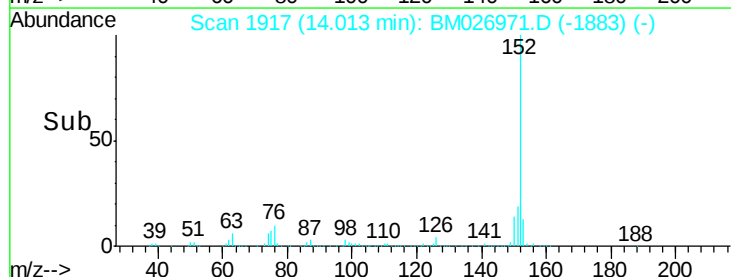
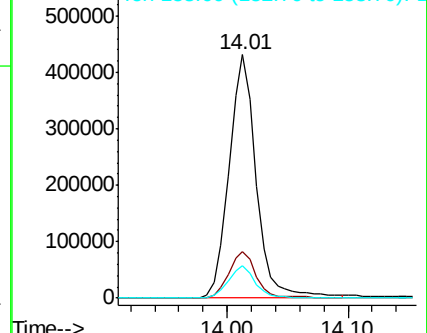
153 13.3 10.7 16.1

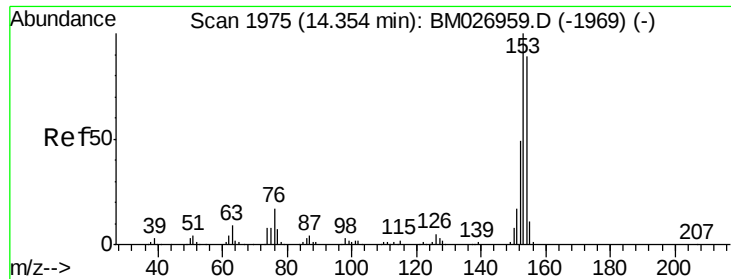


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 1.394 ng/ul

RT: 14.35 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampleId :

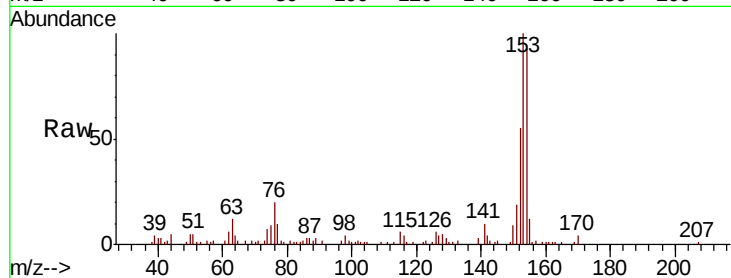
Tot Ion:153 Resp: 29039

Ion Ratio Lower Upper

153 100

152 55.2 37.8 56.6

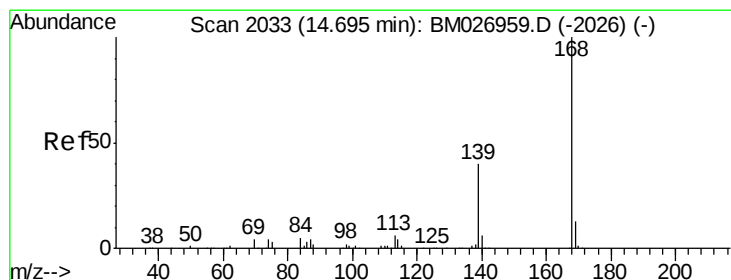
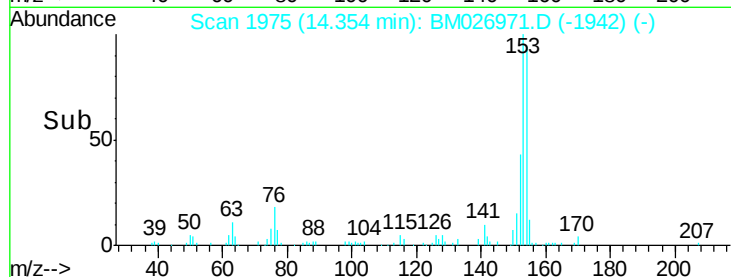
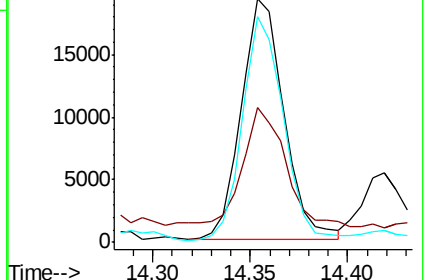
154 92.8 70.5 105.7



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: 4.178 ng/ul

RT: 14.69 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BM026971.D

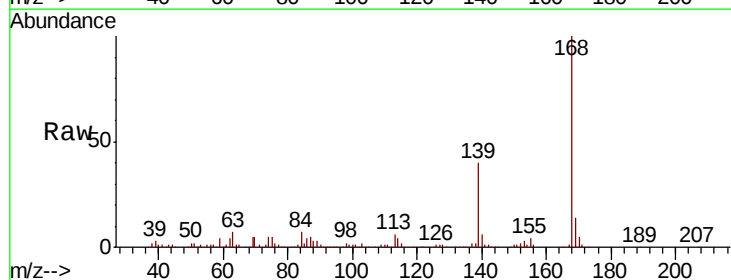
Acq: 31 Jul 2020 22:57

Tgt Ion:168 Resp: 120612

Ion Ratio Lower Upper

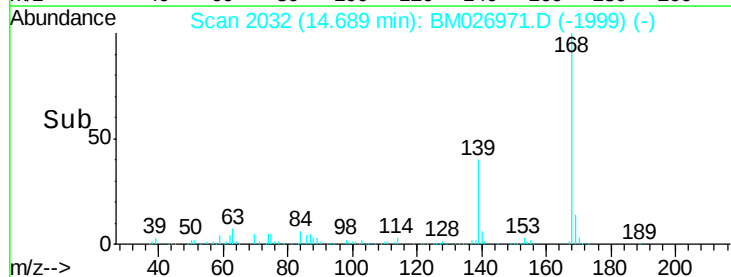
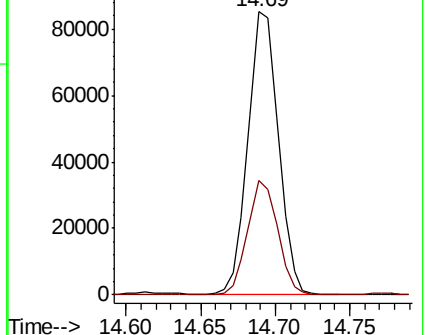
168 100

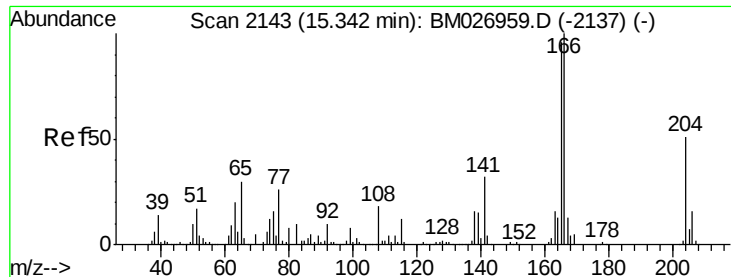
139 40.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.842 ng/ul

RT: 15.34 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampleId :

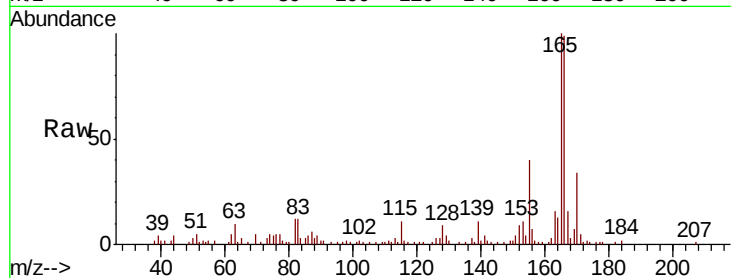
Tot Ion:166 Resp: 44772

Ion Ratio Lower Upper

166 100

165 101.0 78.2 117.2

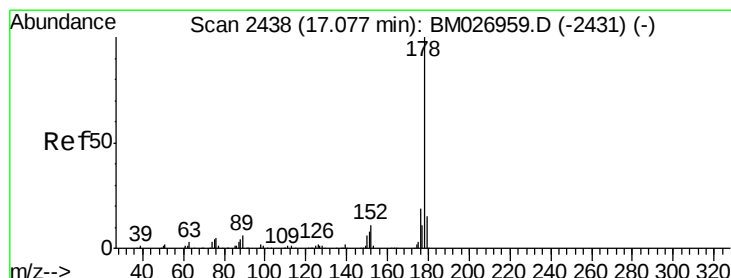
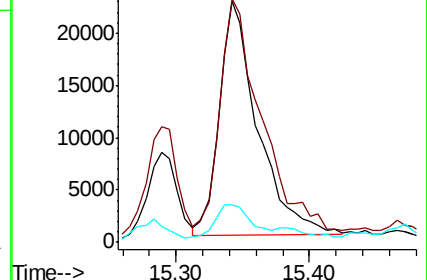
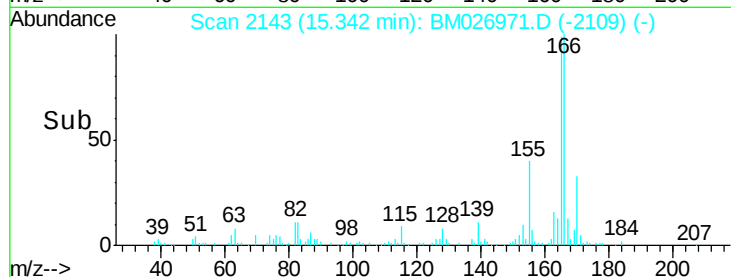
167 15.8 10.3 15.5#



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



#70

Phenanthrene

Concen: 25.884 ng/ul

RT: 17.08 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

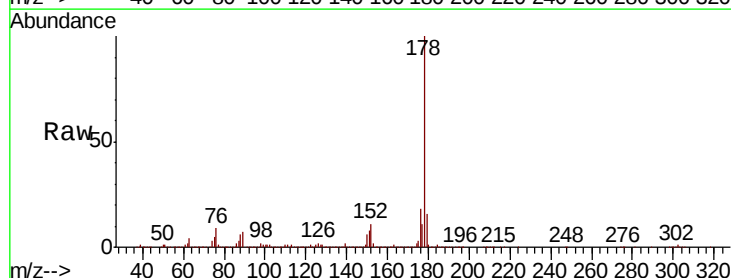
Tgt Ion:178 Resp: 952643

Ion Ratio Lower Upper

178 100

179 15.6 12.0 18.0

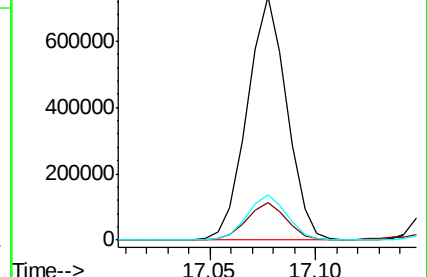
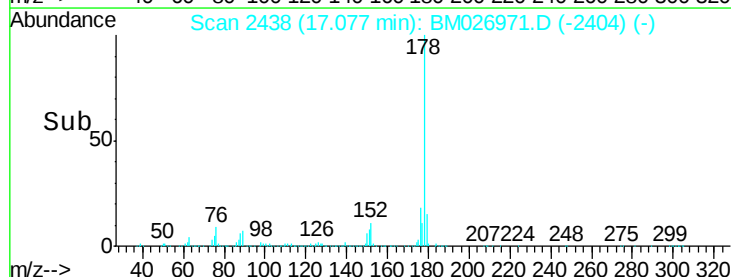
176 18.3 14.7 22.1

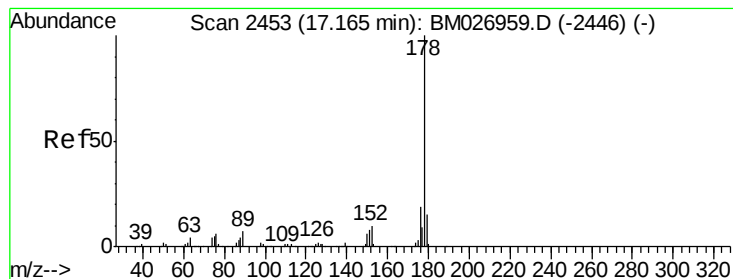


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 27.788 ng/ul

RT: 17.17 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampleId :

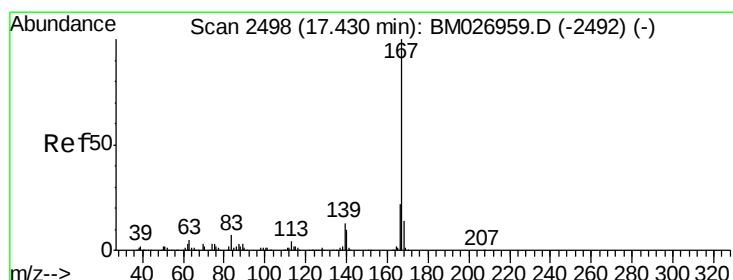
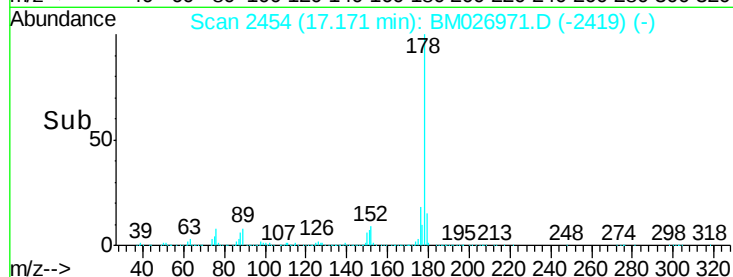
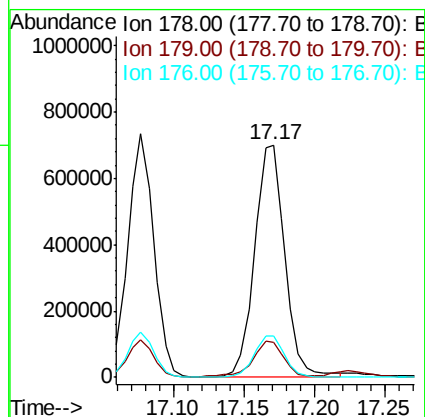
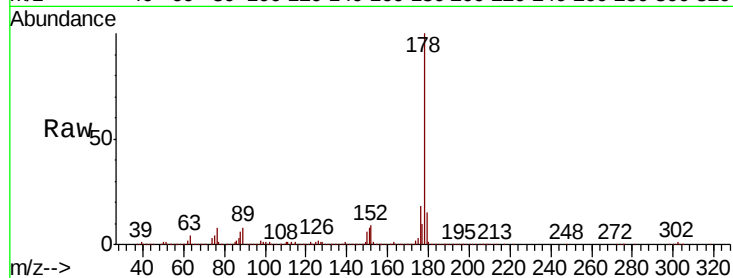
Tot Ion:178 Resp: 1051183

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.6
176	17.9	15.0	22.6

178 100

179 15.2 11.8 17.6

176 17.9 15.0 22.6



#75

Carbazole

Concen: 6.189 ng/ul

RT: 17.44 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

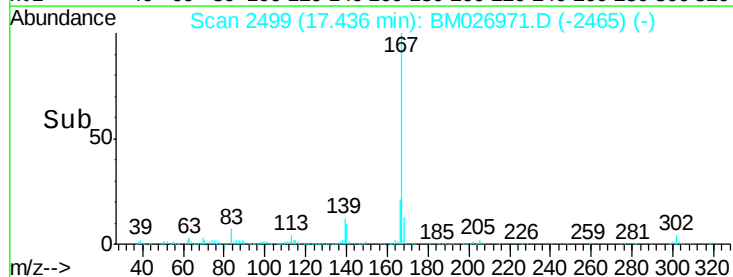
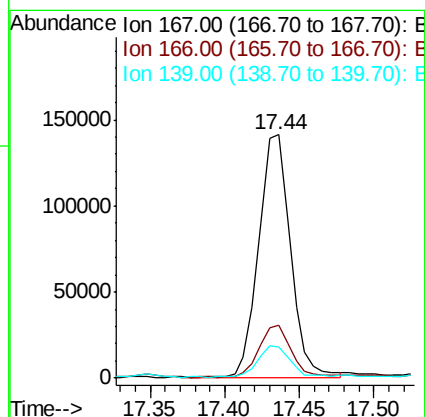
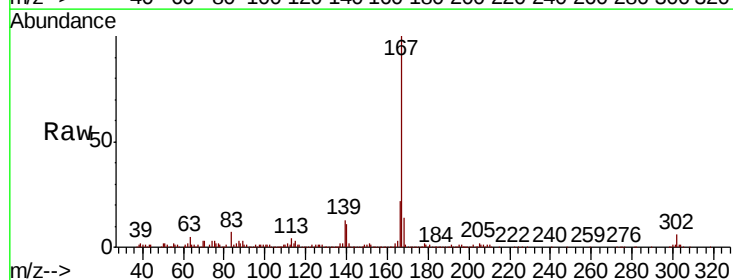
Tgt Ion:167 Resp: 206975

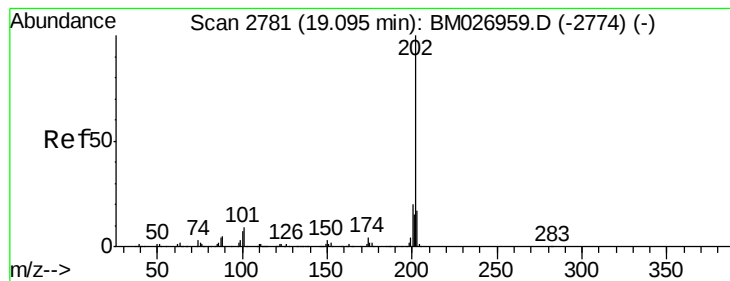
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	12.9	10.1	15.1

167 100

166 21.7 17.1 25.7

139 12.9 10.1 15.1





#77

Fluoranthene

Concen: 115.052 ng/ul

RT: 19.11 min Scan# 2783

Delta R.T. 0.01 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampled :

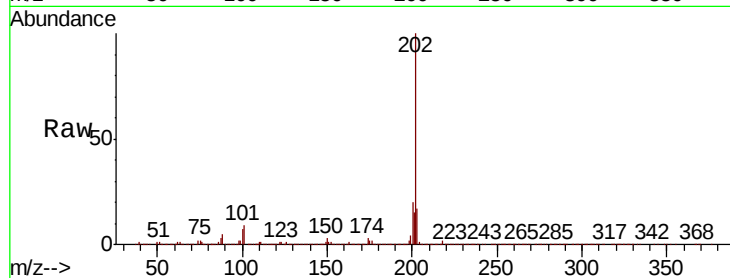
Tot Ion:202 Resp: 4999699

Ion Ratio Lower Upper

202 100

101 8.9 7.7 11.5

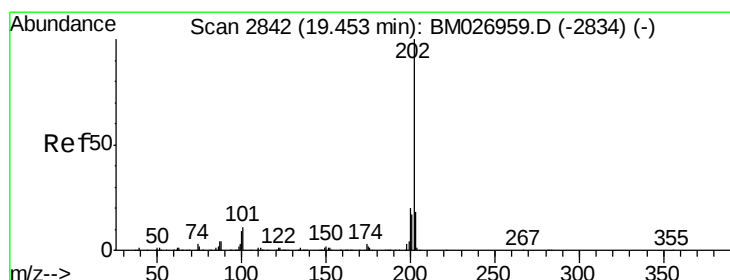
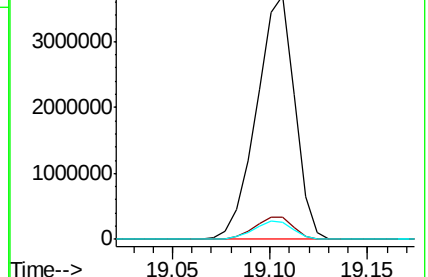
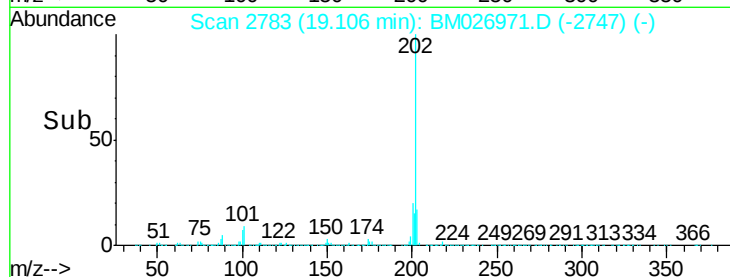
100 7.1 6.2 9.4



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

Pyrene

Concen: 104.857 ng/ul

RT: 19.47 min Scan# 2844

Delta R.T. 0.01 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

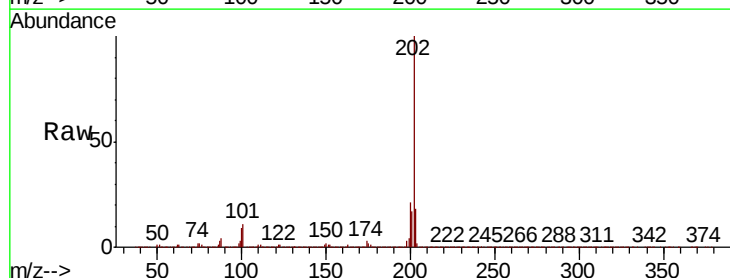
Tgt Ion:202 Resp: 4652981

Ion Ratio Lower Upper

202 100

101 11.1 9.4 14.2

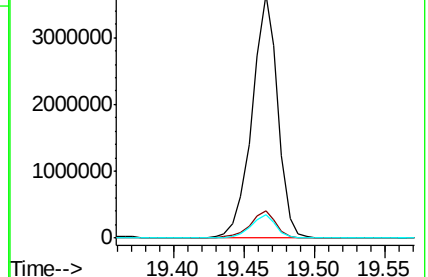
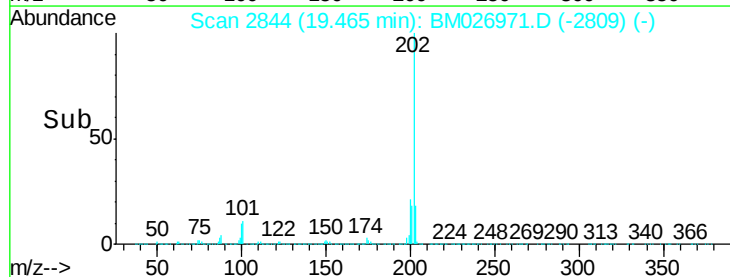
100 9.4 8.2 12.4

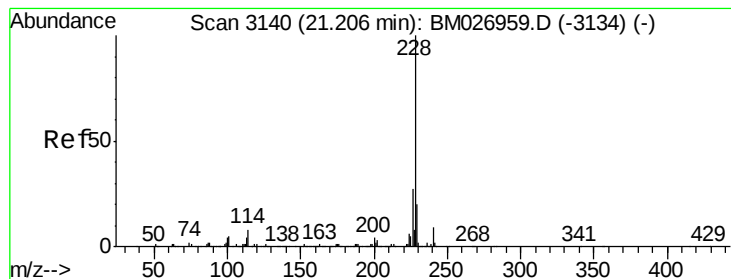


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 80.845 ng/ul

RT: 21.27 min Scan# 3150

Delta R.T. 0.05 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampled :

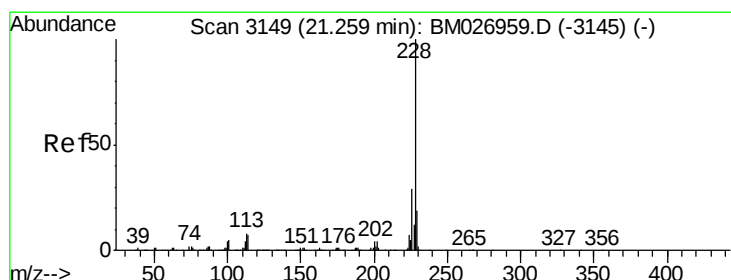
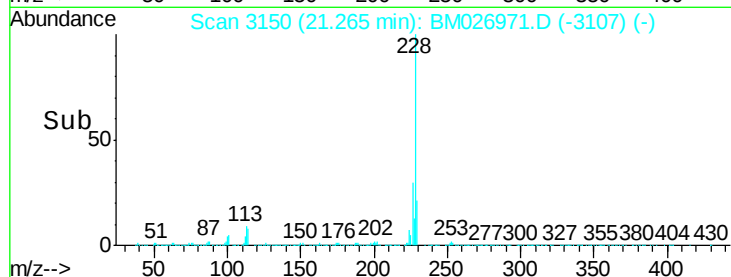
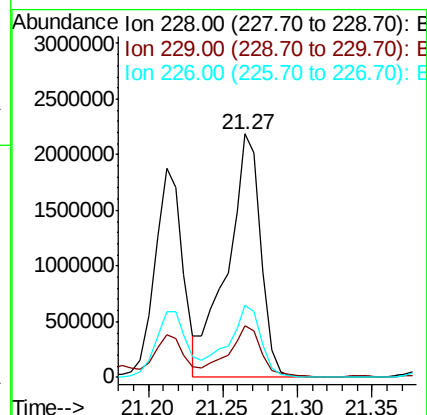
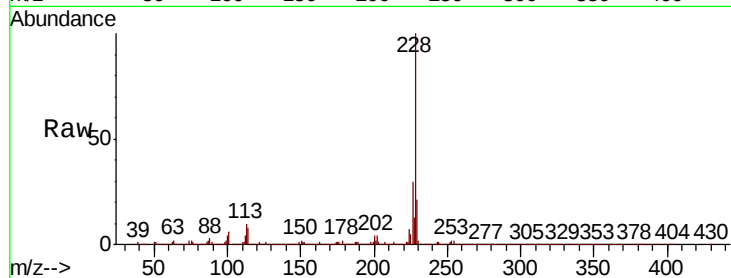
Tot Ion:228 Resp: 3398639

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.2

226 29.8 20.9 31.3



#85

Chrysene

Concen: 82.823 ng/ul

RT: 21.27 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

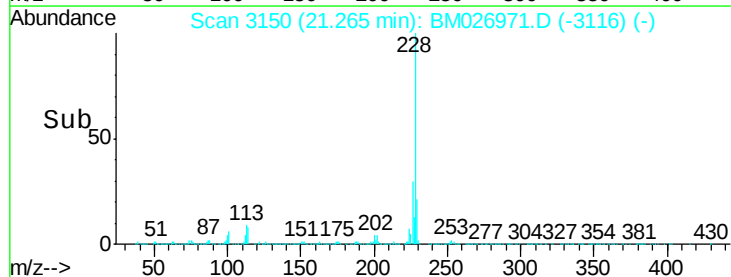
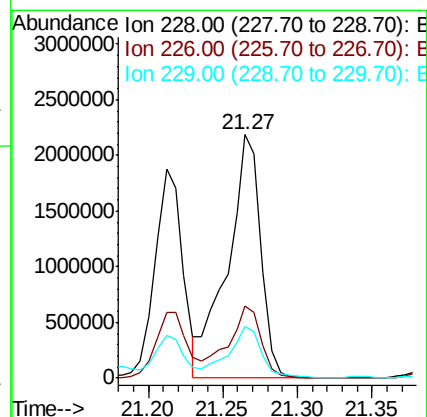
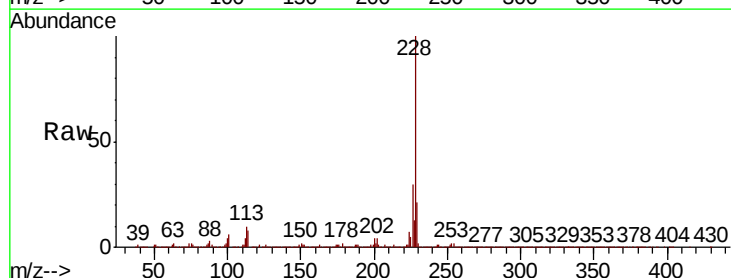
Tgt Ion:228 Resp: 3395399

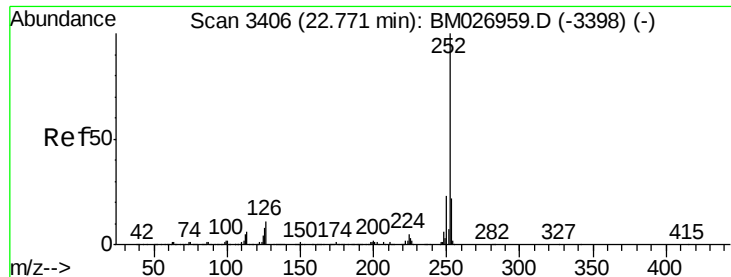
Ion Ratio Lower Upper

228 100

226 29.8 23.2 34.8

229 21.1 15.5 23.3





#88

Benzo(b)fluoranthene

Concen: 152.685 ng/ul

RT: 22.80 min Scan# 3411

Delta R.T. 0.02 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampleId :

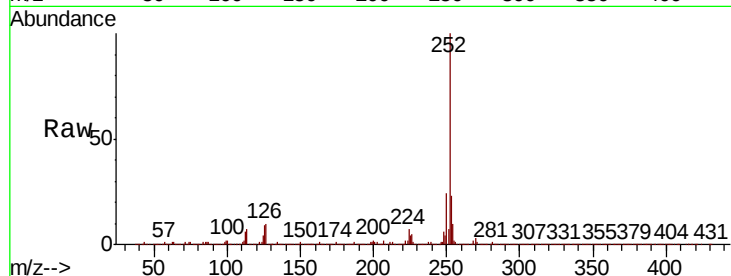
Tot Ion:252 Resp: 6603240

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

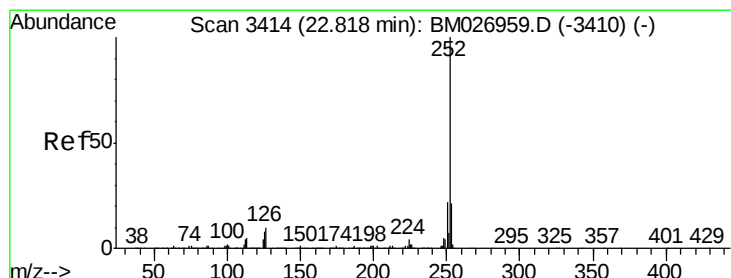
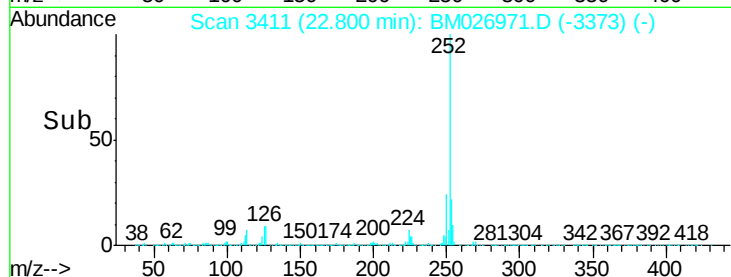
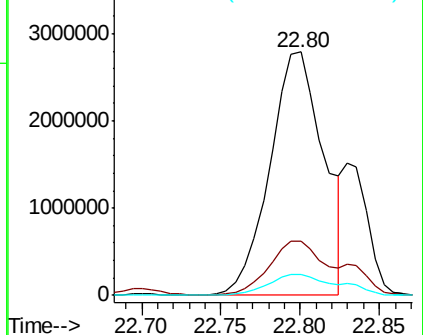
125 8.6 6.6 10.0



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



#89

Benzo(k)fluoranthene

Concen: 159.116 ng/ul

RT: 22.80 min Scan# 3411

Delta R.T. -0.02 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

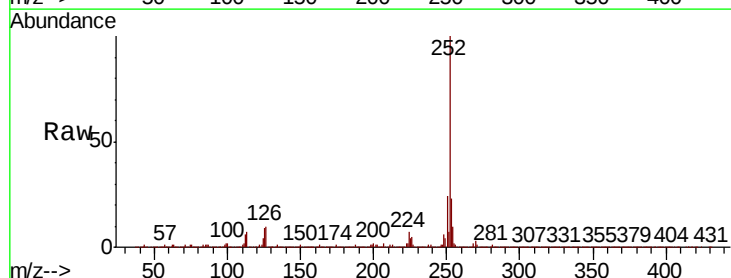
Tgt Ion:252 Resp: 6603240

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

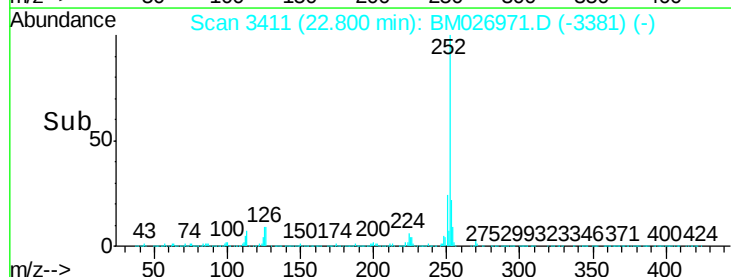
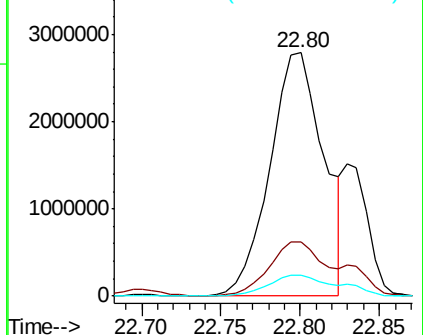
125 8.6 7.3 10.9

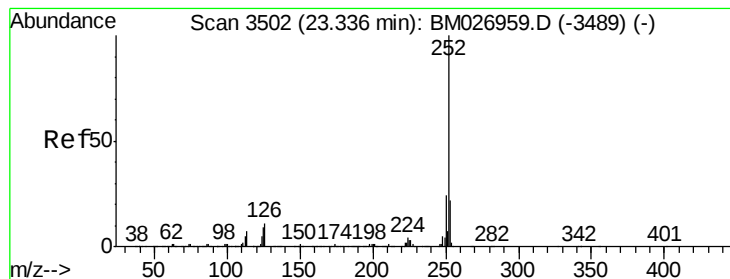


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

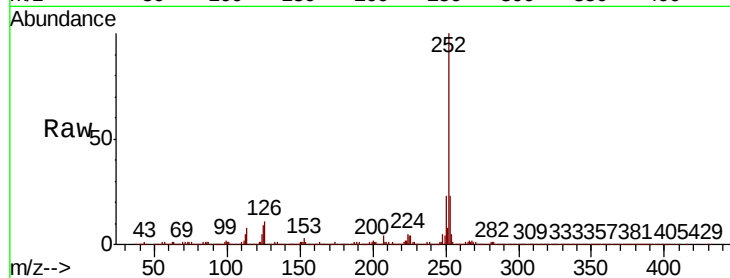




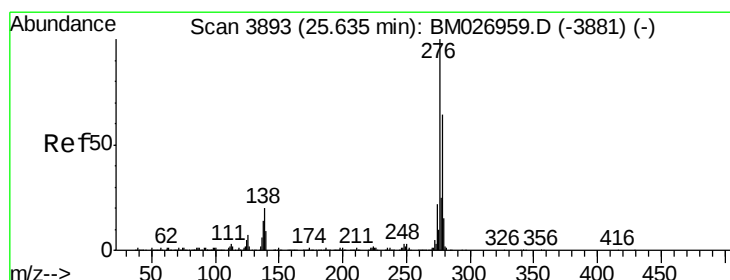
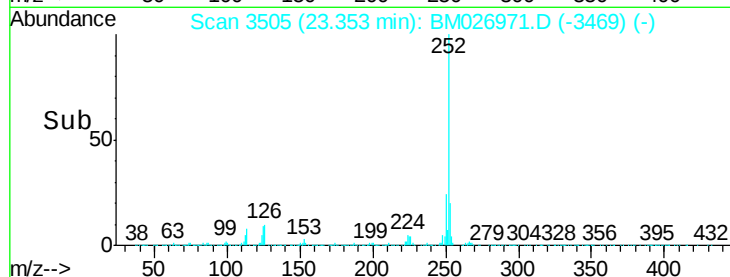
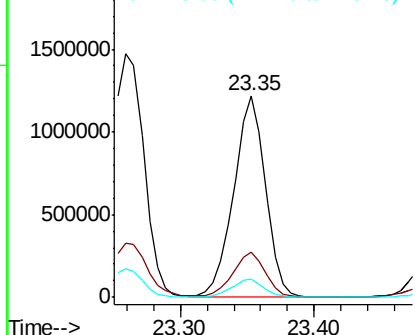
#91
Benzo(a)pyrene
Concen: 51.171 ng/ul
RT: 23.35 min Scan# 3505
Delta R.T. 0.01 min
Lab File: BM026971.D
Acq: 31 Jul 2020 22:57

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 1996915
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 8.9 8.2 12.2

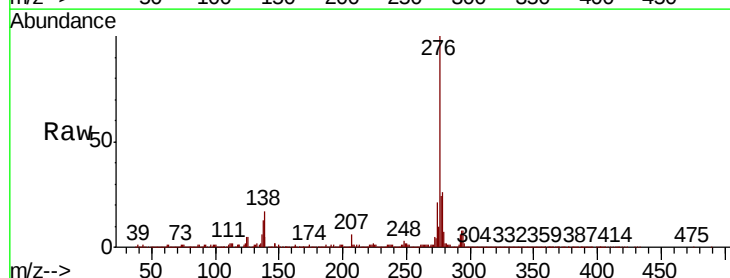


Abundance Ion 252.00 (251.70 to 252.70): E
2000000 Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

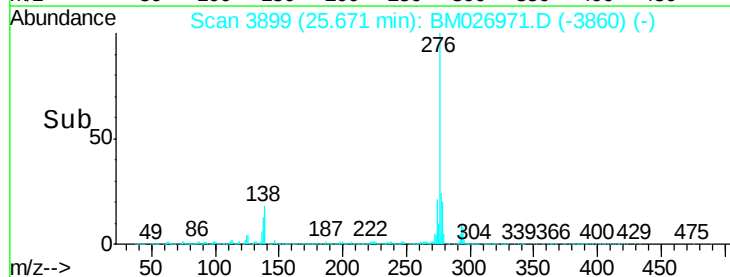
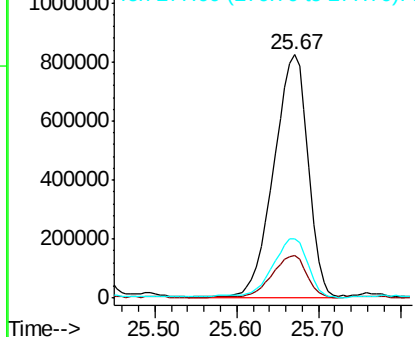


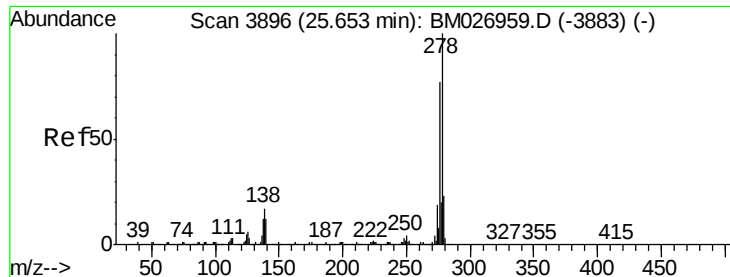
#92
Indeno(1,2,3-cd)pyrene
Concen: 49.229 ng/ul
RT: 25.67 min Scan# 3899
Delta R.T. 0.03 min
Lab File: BM026971.D
Acq: 31 Jul 2020 22:57

Tgt Ion:276 Resp: 2383307
Ion Ratio Lower Upper
276 100
138 17.4 17.0 25.4
277 24.3 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E
1000000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 15.804 ng/ul

RT: 25.67 min Scan# 3899

Delta R.T. 0.01 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

Instrument :

BNA_M

ClientSampled :

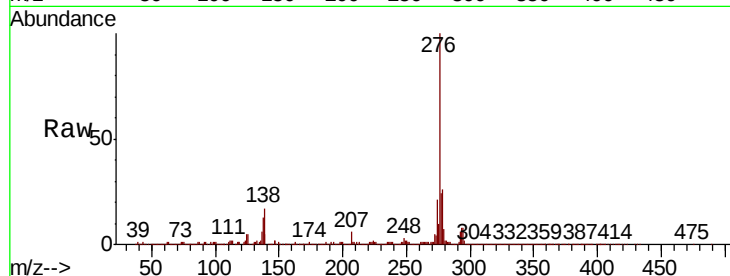
Tot Ion:278 Resp: 647103

Ion Ratio Lower Upper

278 100

139 17.6 10.9 16.3#

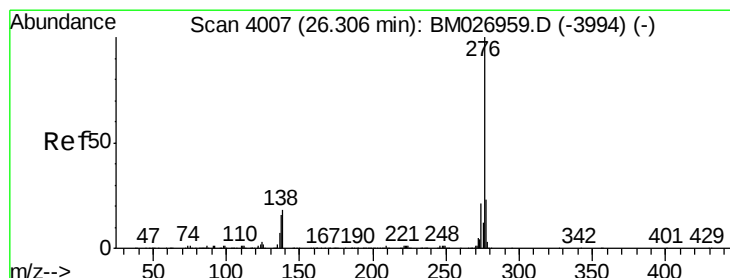
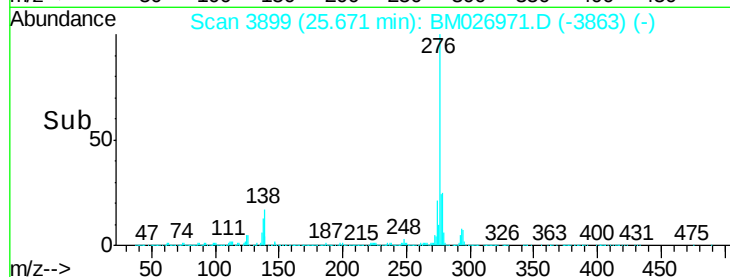
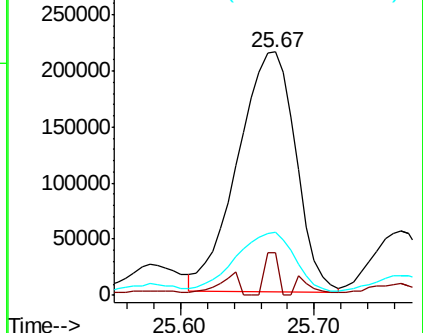
279 26.0 19.4 29.2



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: 18.219 ng/ul

RT: 26.34 min Scan# 4012

Delta R.T. 0.02 min

Lab File: BM026971.D

Acq: 31 Jul 2020 22:57

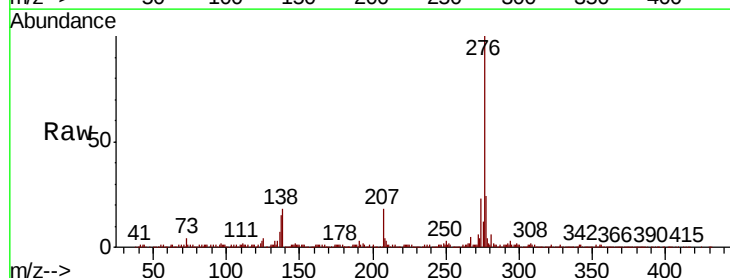
Tgt Ion:276 Resp: 729327

Ion Ratio Lower Upper

276 100

138 17.7 14.9 22.3

277 23.8 19.1 28.7



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

