

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026968.D
 Acq On : 31 Jul 2020 21:08
 Operator : JU/CG
 Sample : L3424-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 00:48:35 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	105584	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	413683	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	253666	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	514398	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	500271	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	506974	20.00	ng/ul	0.00

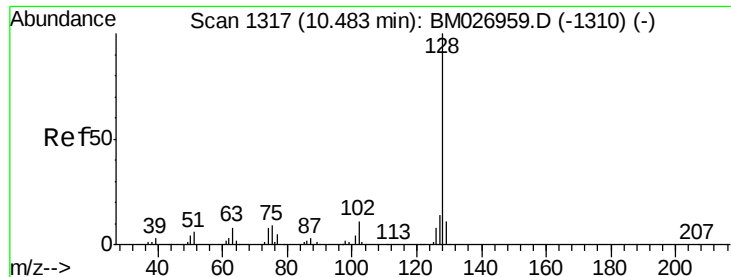
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1505	0.65	ng/uL	0.00
5) Phenol-d5	6.84	99	51820	5.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	33923	5.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	39144	5.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	40681	5.72	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	18129	5.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	20169	6.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	41362	5.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	17335	2.06	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	118265	5.95	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	155040	6.13	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	14259	4.24	ng/ul	0.00
58) Fluorene-d10	15.29	176	104249	6.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	10789	4.71	ng/ul	0.00
71) Anthracene-d10	17.13	188	162024	6.30	ng/ul	0.00
79) Pyrene-d10	19.43	212	163326	6.12	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	171204	5.98	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.48	128	54430	2.355	ng/ul#	97
34) 2-Methylnaphthalene	12.10	142	16646	1.019	ng/ul	98
45) Dimethylphthalate	13.75	163	36399	1.744	ng/ul	97
48) Acenaphthylene	14.01	152	391233	15.213	ng/ul	99
50) Acenaphthene	14.35	153	20080	1.133	ng/ul	93
54) Dibenzofuran	14.69	168	54014	2.199	ng/ul	96
59) Fluorene	15.34	166	31018	1.500	ng/ul	94
70) Phenanthrene	17.08	178	355632	11.389	ng/ul	99
72) Anthracene	17.17	178	801567	24.976	ng/ul	99
75) Carbazole	17.43	167	183471	6.467	ng/ul	99
77) Fluoranthene	19.10	202	2841422	77.071	ng/ul	99
80) Pyrene	19.47	202	3934959	108.112	ng/ul	97
83) Benzo(a)anthracene	21.27	228	2878577	83.481	ng/ul	95
85) Chrysene	21.27	228	2875667	85.519	ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	7145622	197.028	ng/ul	99
89) Benzo(k)fluoranthene	22.84	252	2378837	68.355	ng/ul	98
91) Benzo(a)pyrene	23.35	252	2265480	69.226	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.67	276	2377231	58.555	ng/ul	95
93) Dibenzo(a,h)anthracene	25.76	278	154778	4.508	ng/ul	95
94) Benzo(g,h,i)perylene	26.33	276	678323	20.206	ng/ul	98

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



#28

Naphthalene

Concen: 2.355 ng/ul

RT: 10.48 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

Instrument :

BNA_M

ClientSampleId :

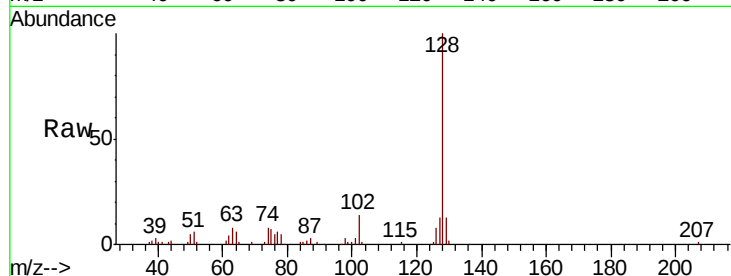
Tot Ion:128 Resp: 54430

Ion Ratio Lower Upper

128 100

129 13.0 8.3 12.5#

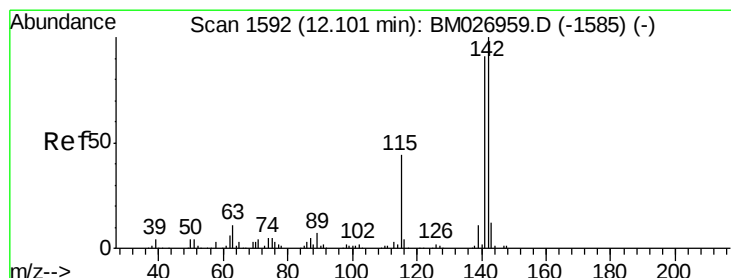
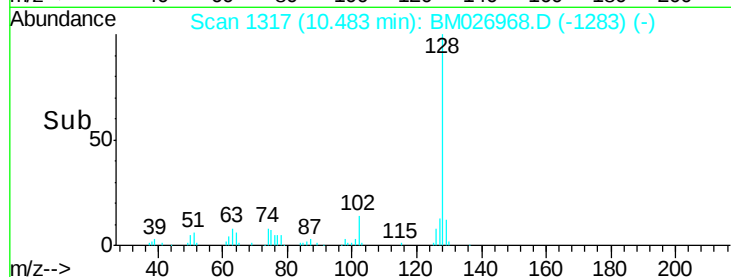
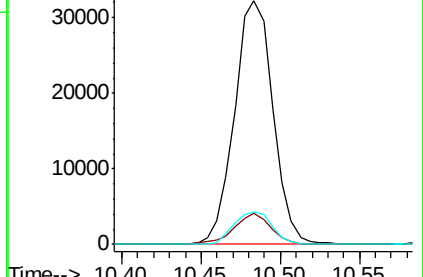
127 13.4 11.0 16.6



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



#34

2-Methylnaphthalene

Concen: 1.019 ng/ul

RT: 12.10 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM026968.D

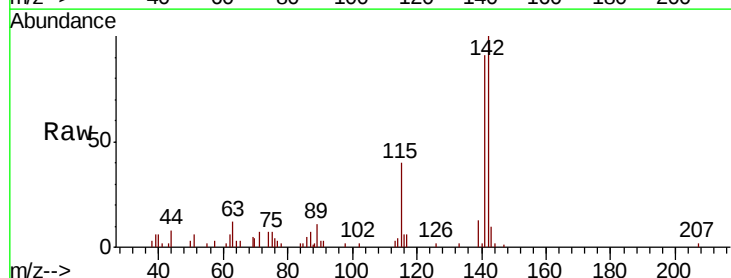
Acq: 31 Jul 2020 21:08

Tgt Ion:142 Resp: 16646

Ion Ratio Lower Upper

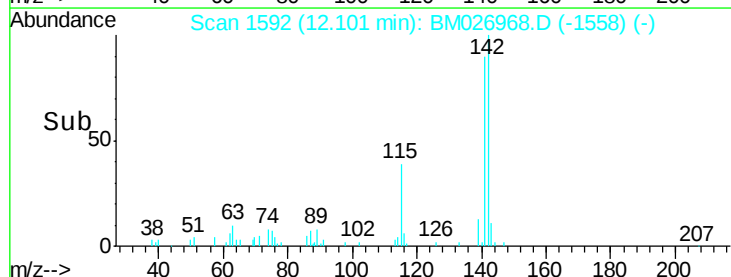
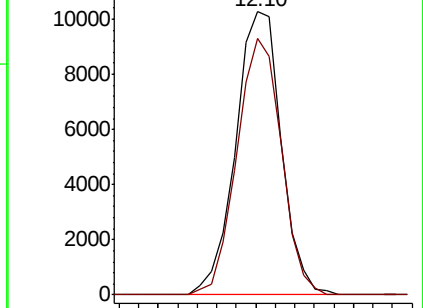
142 100

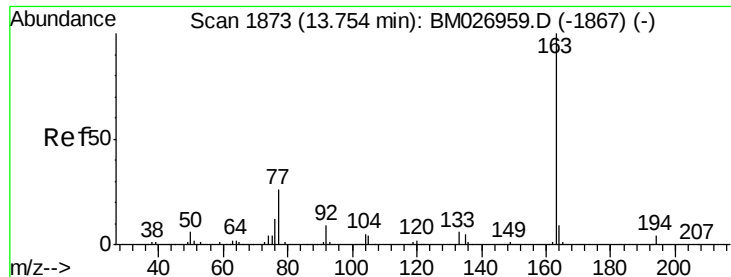
141 90.6 71.1 106.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

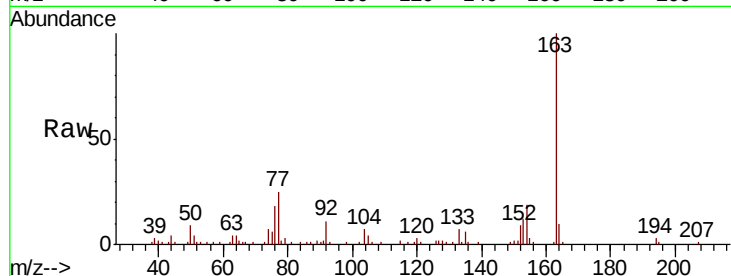




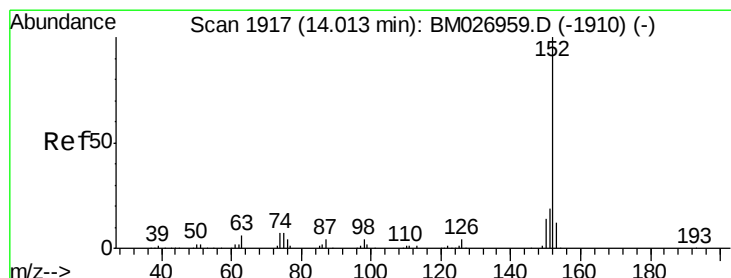
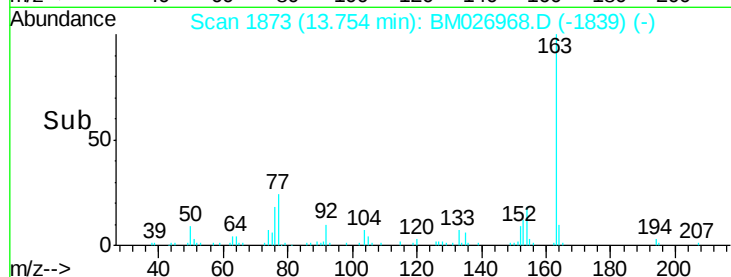
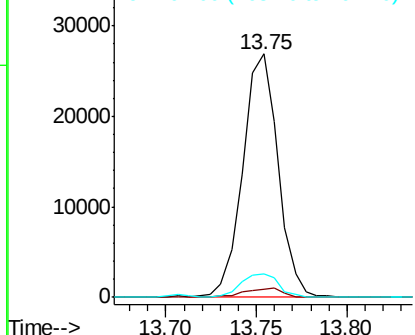
#45
Dimethylphthalate
Concen: 1.744 ng/ul
RT: 13.75 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	9.5	8.6	12.8

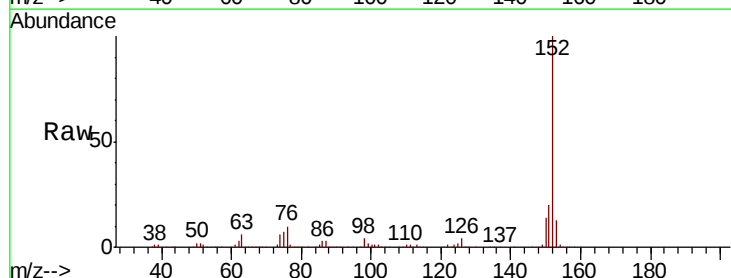


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

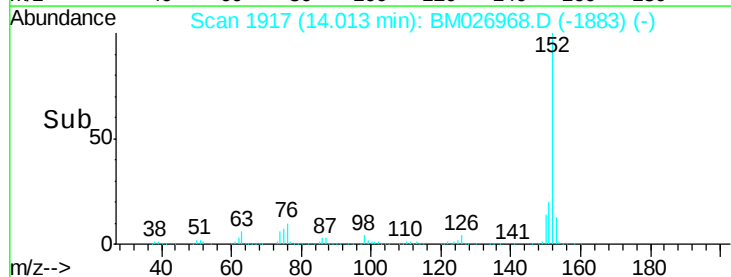
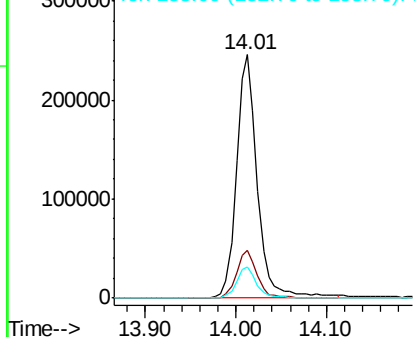


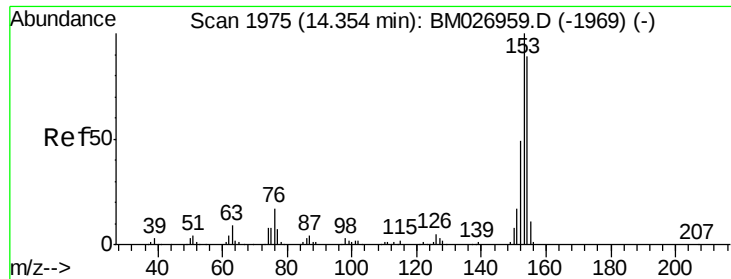
#48
Acenaphthylene
Concen: 15.213 ng/ul
RT: 14.01 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	12.6	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: 1.133 ng/ul

RT: 14.35 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

Instrument :

BNA_M

ClientSampleId :

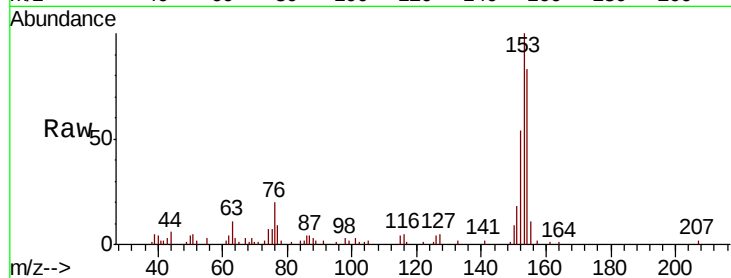
Tot Ion:153 Resp: 20080

Ion Ratio Lower Upper

153 100

152 54.2 37.8 56.6

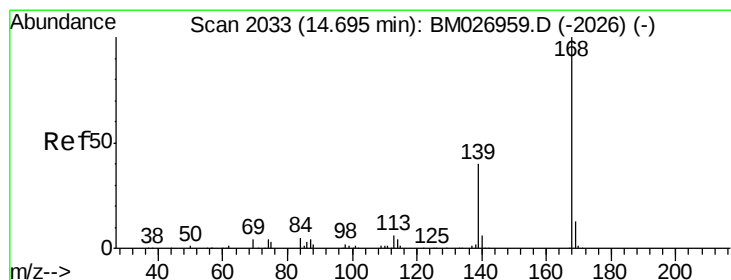
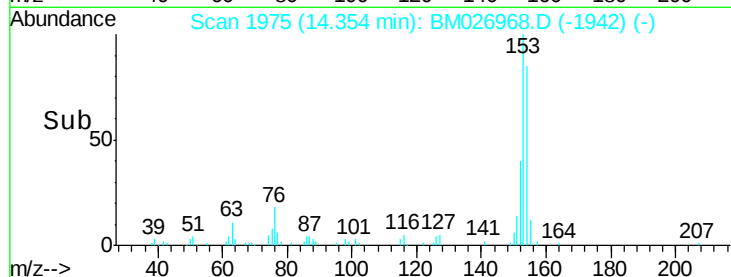
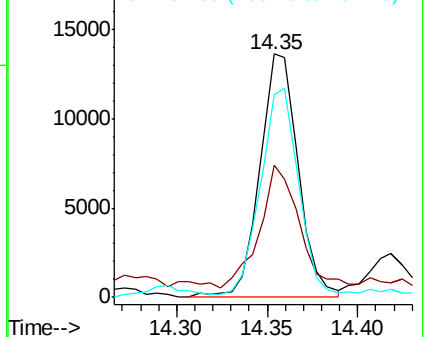
154 83.4 70.5 105.7



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: 2.199 ng/ul

RT: 14.69 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BM026968.D

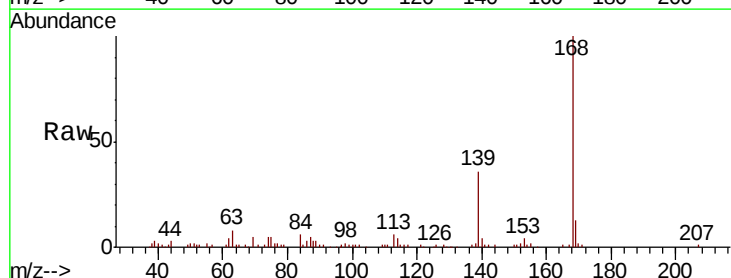
Acq: 31 Jul 2020 21:08

Tgt Ion:168 Resp: 54014

Ion Ratio Lower Upper

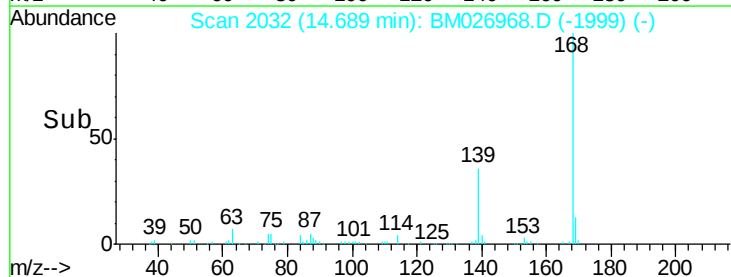
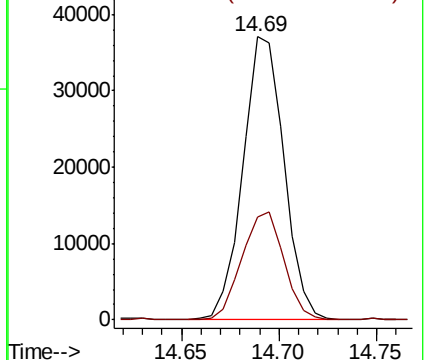
168 100

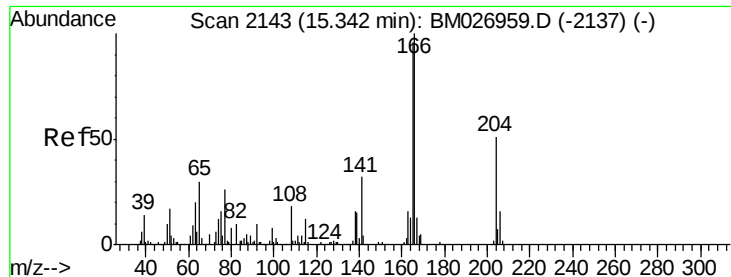
139 36.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.500 ng/ul

RT: 15.34 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

Instrument :

BNA_M

ClientSampled :

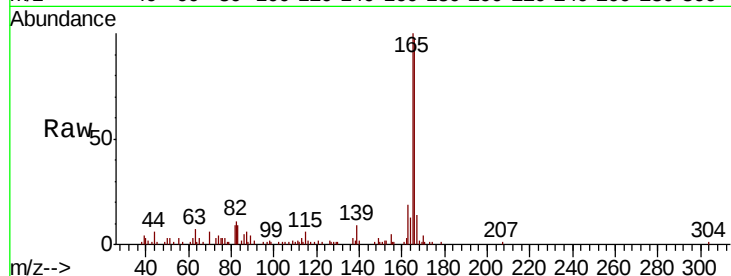
Tot Ion:166 Resp: 31018

Ion Ratio Lower Upper

166 100

165 103.5 78.2 117.2

167 14.7 10.3 15.5

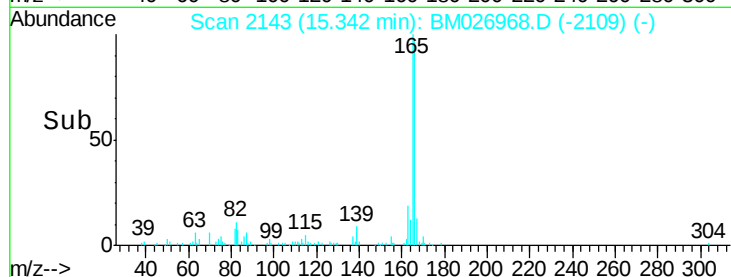


Abundance Ion 166.00 (165.70 to 166.70): E

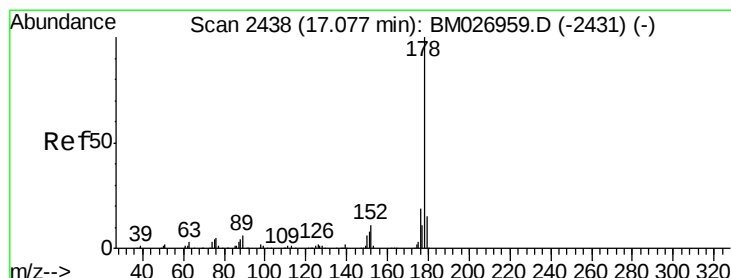
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



Time-->



#70

Phenanthrene

Concen: 11.389 ng/ul

RT: 17.08 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

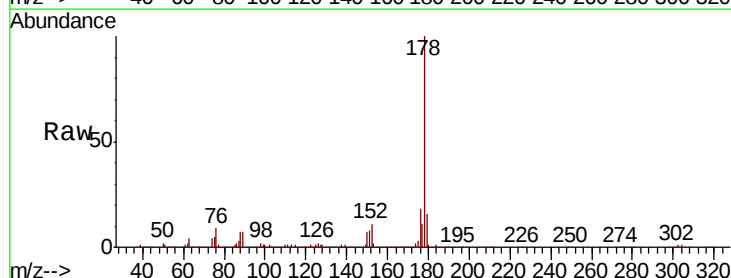
Tgt Ion:178 Resp: 355632

Ion Ratio Lower Upper

178 100

179 15.6 12.0 18.0

176 18.4 14.7 22.1

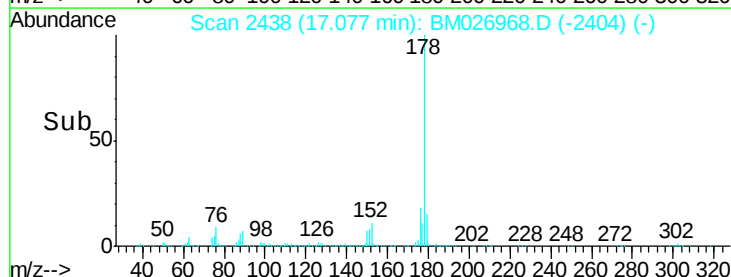


Abundance Ion 178.00 (177.70 to 178.70): E

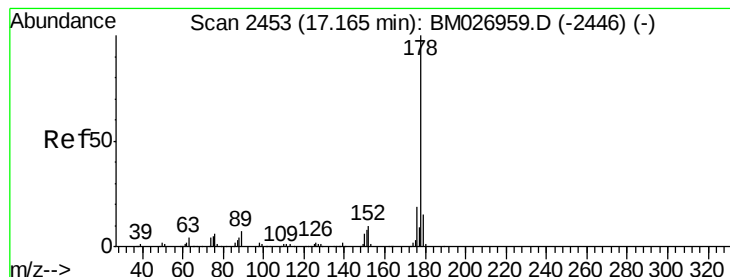
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

Time-->



Time-->



#72

Anthracene

Concen: 24.976 ng/ul

RT: 17.17 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

Instrument :

BNA_M

ClientSampleId :

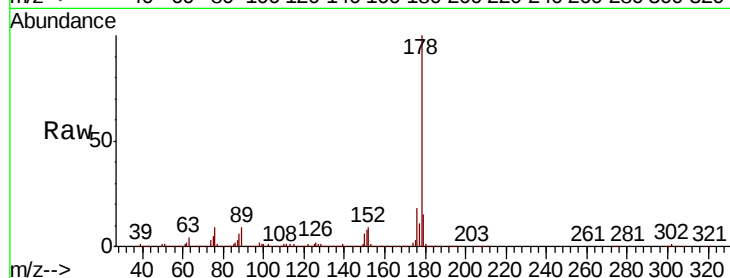
Tot Ion:178 Resp: 801567

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.6

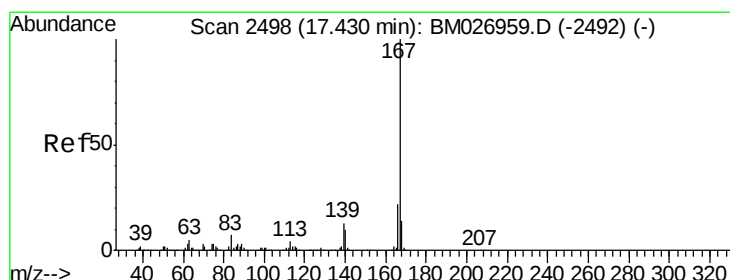
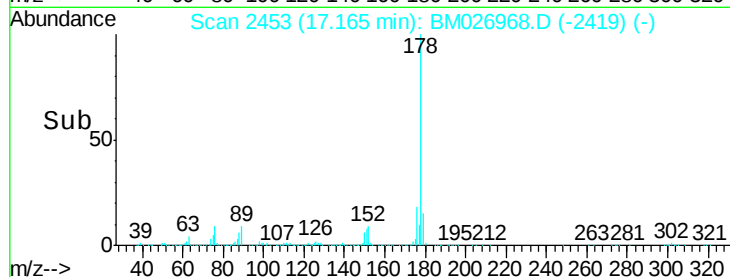
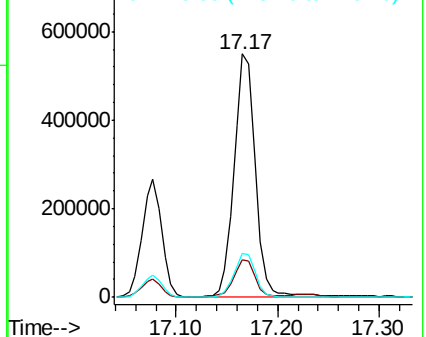
176 18.3 15.0 22.6



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: 6.467 ng/ul

RT: 17.43 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

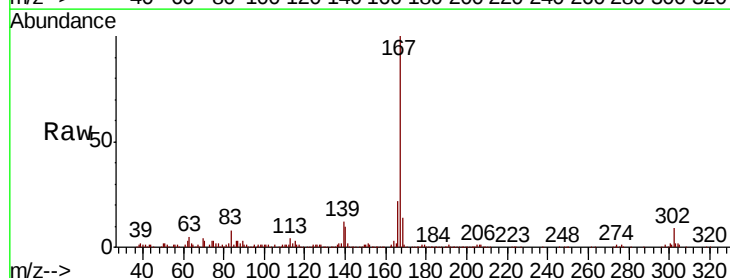
Tgt Ion:167 Resp: 183471

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

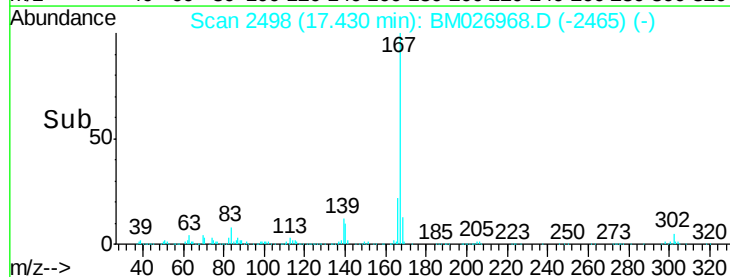
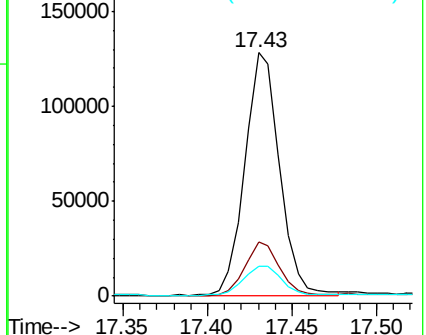
139 12.3 10.1 15.1

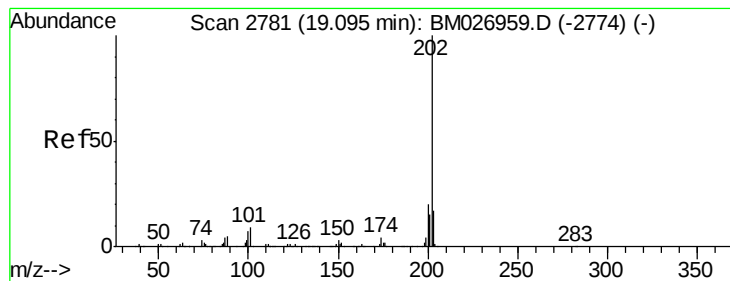


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 77.071 ng/ul

RT: 19.10 min Scan# 2782

Delta R.T. 0.01 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

Instrument :

BNA_M

ClientSampleId :

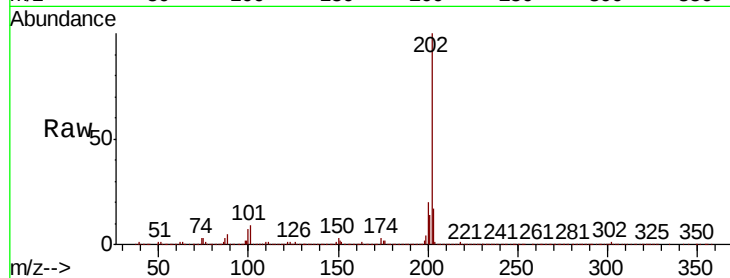
Tot Ion:202 Resp: 2841422

Ion Ratio Lower Upper

202 100

101 9.1 7.7 11.5

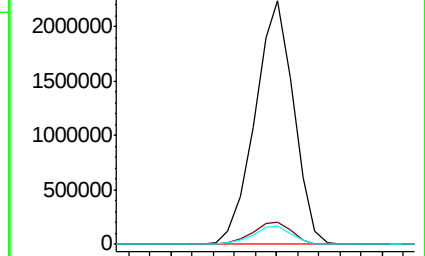
100 7.4 6.2 9.4



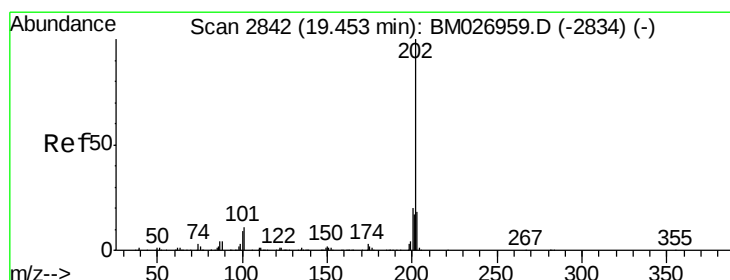
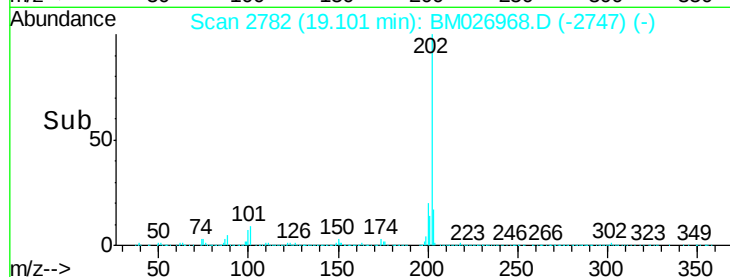
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 108.112 ng/ul

RT: 19.47 min Scan# 2844

Delta R.T. 0.01 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

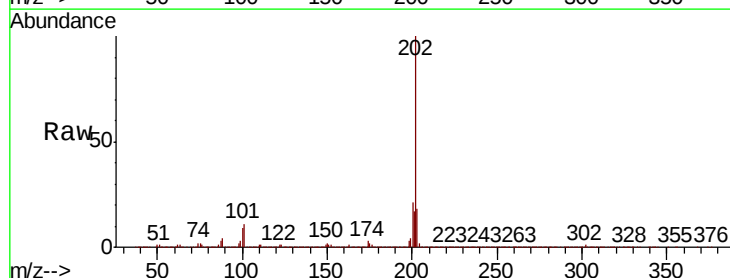
Tgt Ion:202 Resp: 3934959

Ion Ratio Lower Upper

202 100

101 10.6 9.4 14.2

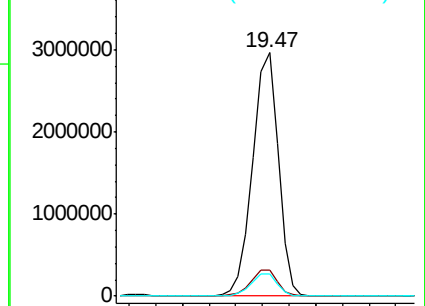
100 9.0 8.2 12.4



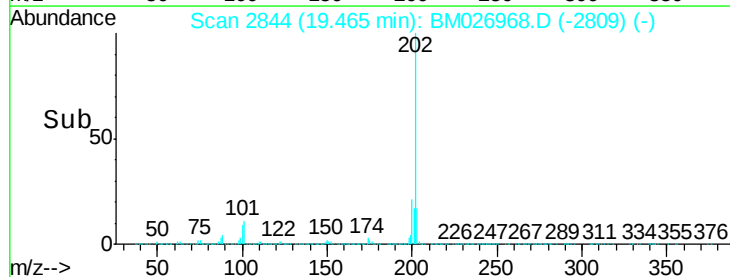
Abundance Ion 202.00 (201.70 to 202.70): E

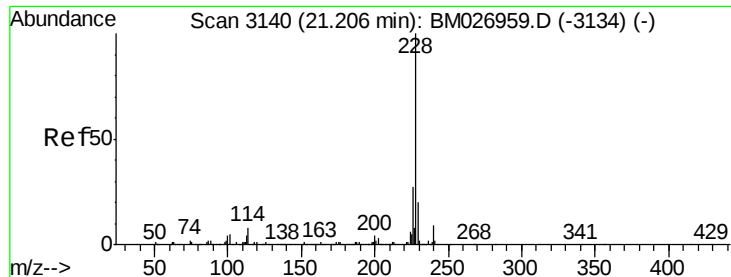
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->

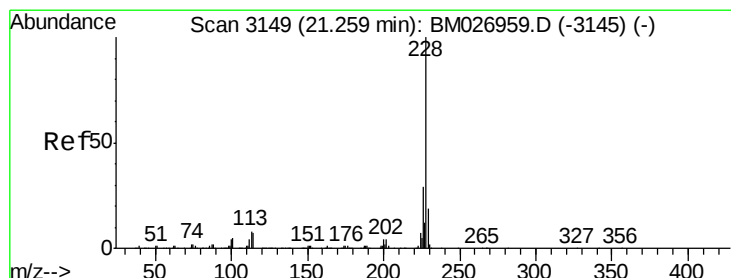
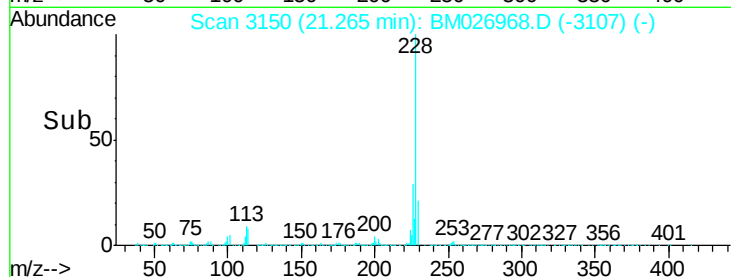
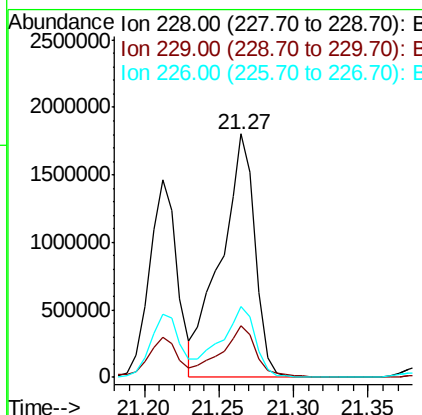
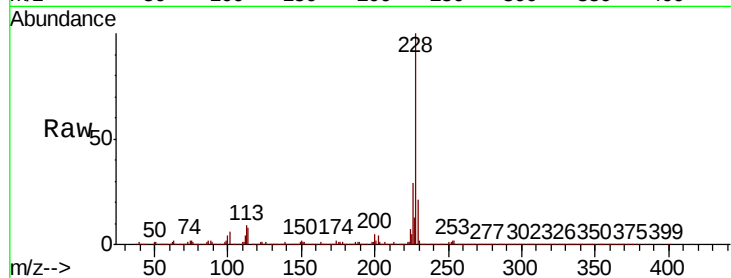




#83
Benzo(a)anthracene
Concen: 83.481 ng/ul
RT: 21.27 min Scan# 3150
Delta R.T. 0.05 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

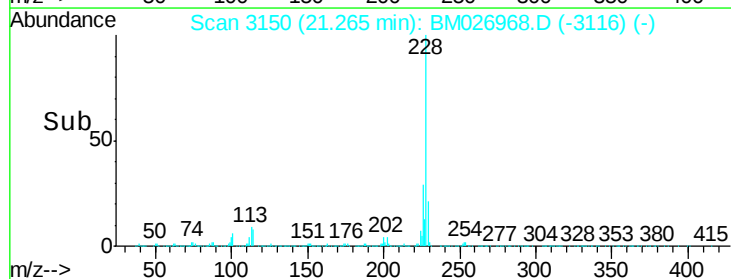
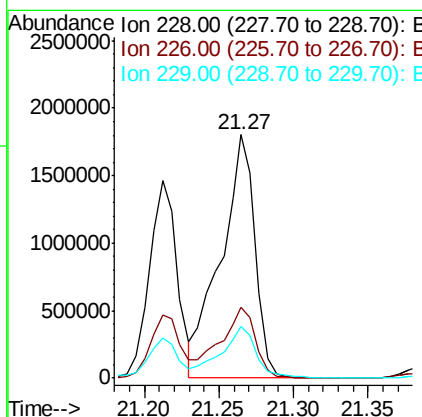
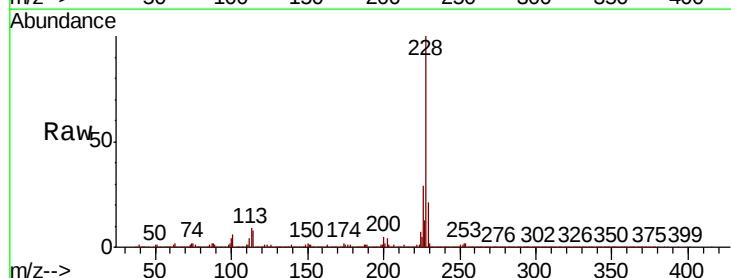
Instrument :
BNA_M
ClientSampleId :

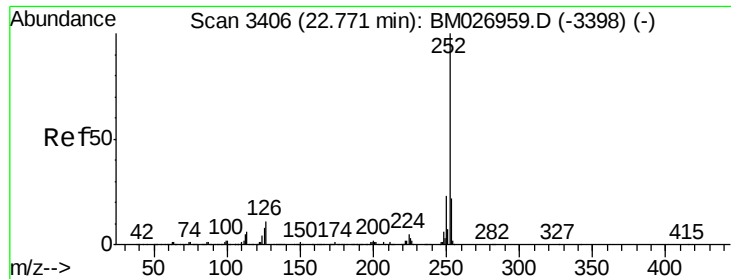
Tot Ion:228 Resp: 2878577
Ion Ratio Lower Upper
228 100
229 21.1 15.4 23.2
226 29.2 20.9 31.3



#85
Chrysene
Concen: 85.519 ng/ul
RT: 21.27 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion:228 Resp: 2875667
Ion Ratio Lower Upper
228 100
226 29.2 23.2 34.8
229 21.1 15.5 23.3

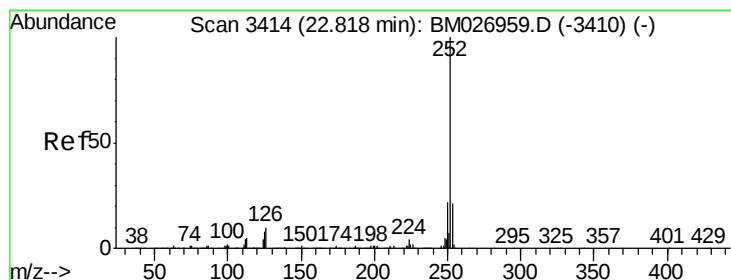
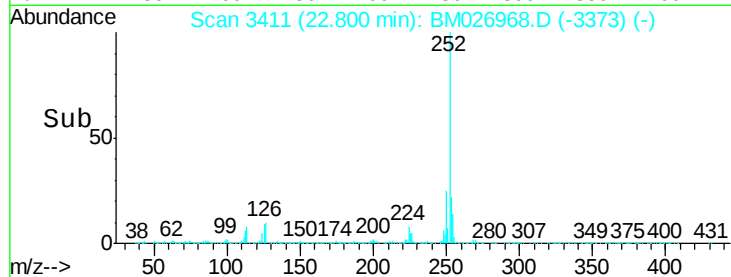
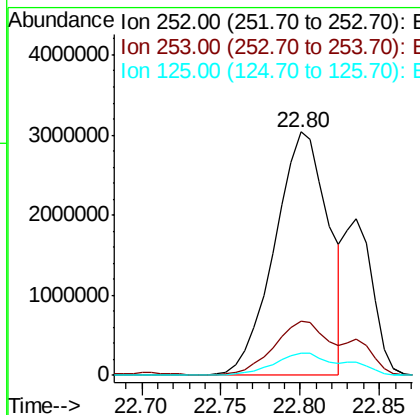
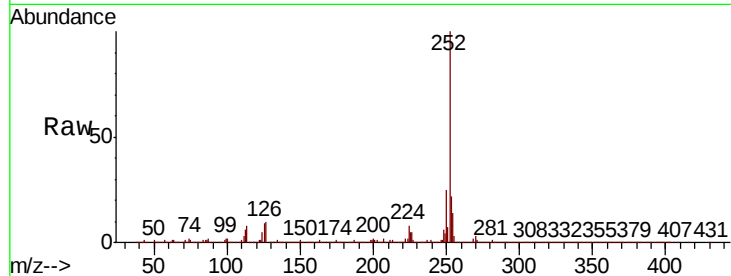




#88
Benzo(b)fluoranthene
Concen: 197.028 ng/ul
RT: 22.80 min Scan# 3411
Delta R.T. 0.02 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

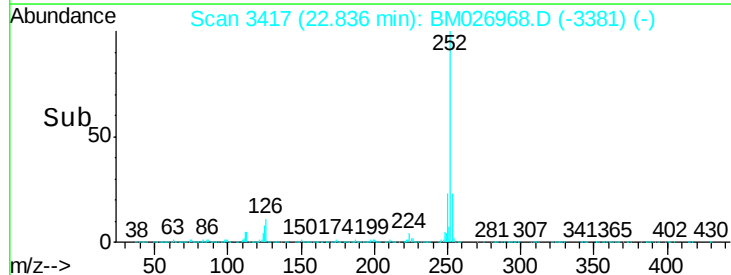
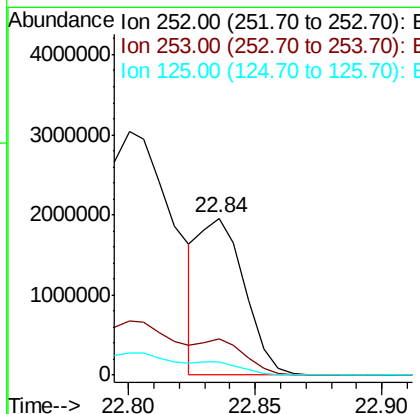
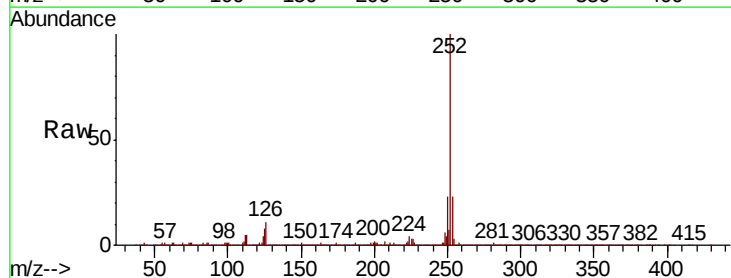
Instrument :
BNA_M
ClientSampleId :

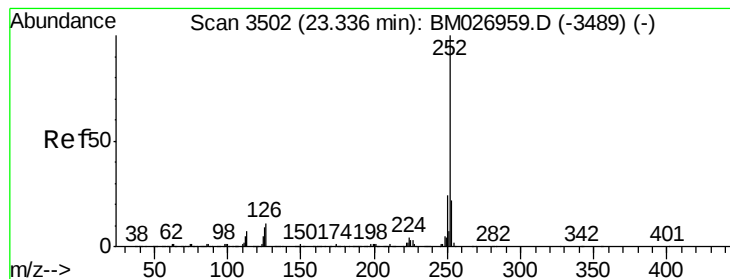
Tot Ion:252 Resp: 7145622
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 9.2 6.6 10.0



#89
Benzo(k)fluoranthene
Concen: 68.355 ng/ul
RT: 22.84 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion:252 Resp: 2378837
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 8.4 7.3 10.9

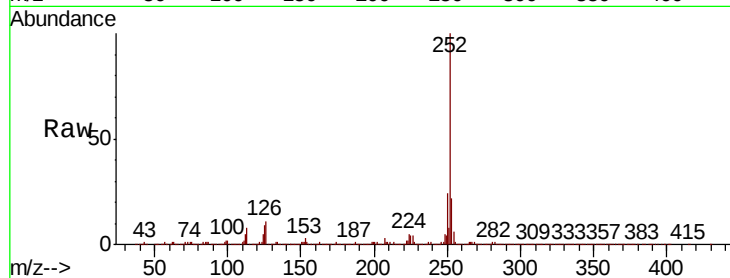




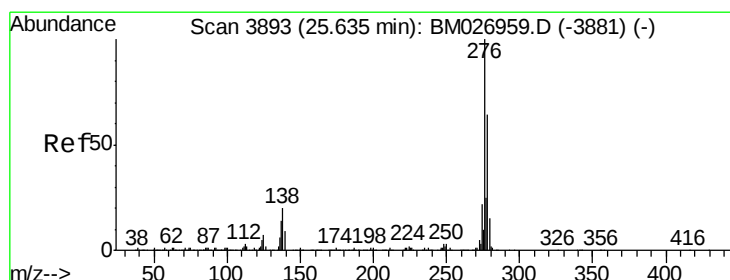
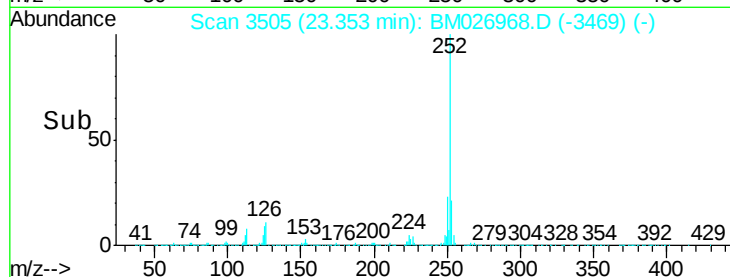
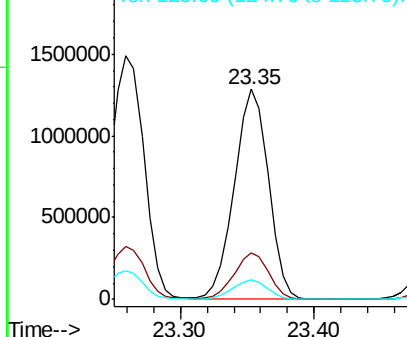
#91
Benzo(a)pyrene
Concen: 69.226 ng/ul
RT: 23.35 min Scan# 3505
Delta R.T. 0.01 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 2265480
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 9.3 8.2 12.2

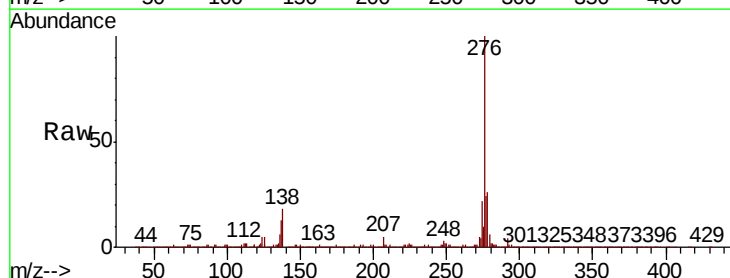


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

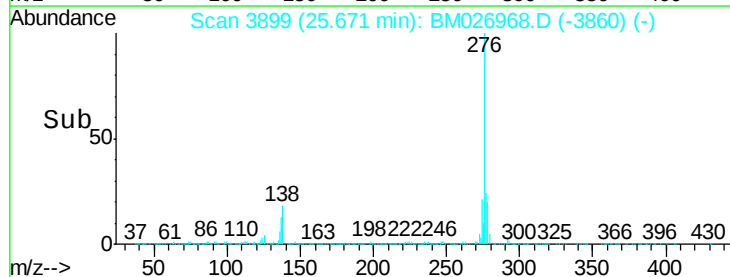
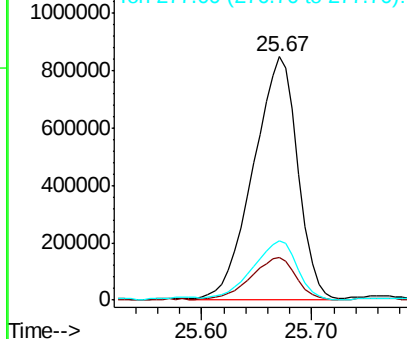


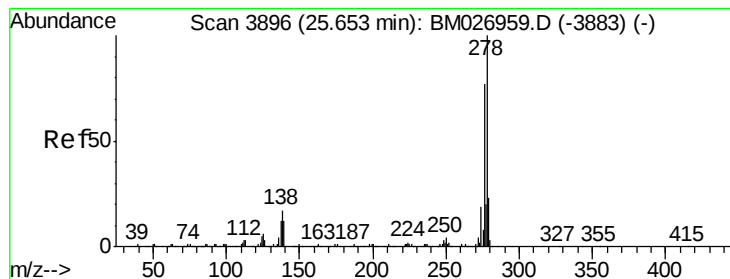
#92
Indeno(1,2,3-cd)pyrene
Concen: 58.555 ng/ul
RT: 25.67 min Scan# 3899
Delta R.T. 0.03 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion:276 Resp: 2377231
Ion Ratio Lower Upper
276 100
138 17.5 17.0 25.4
277 24.5 20.6 30.8



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: 4.508 ng/ul

RT: 25.76 min Scan# 3914

Delta R.T. 0.10 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

Instrument :

BNA_M

ClientSampled :

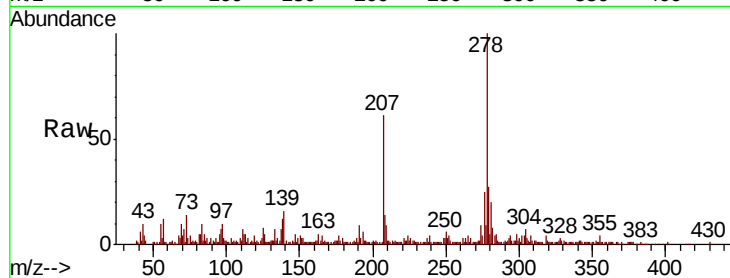
Tot Ion:278 Resp: 154778

Ion Ratio Lower Upper

278 100

139 15.9 10.9 16.3

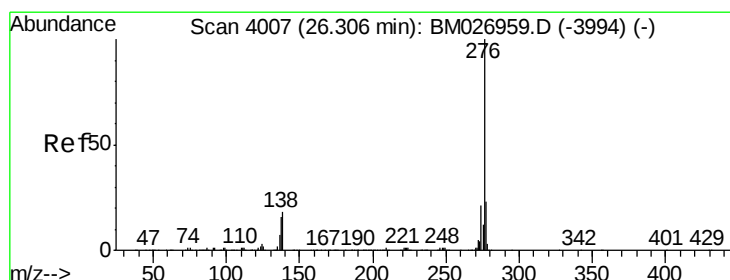
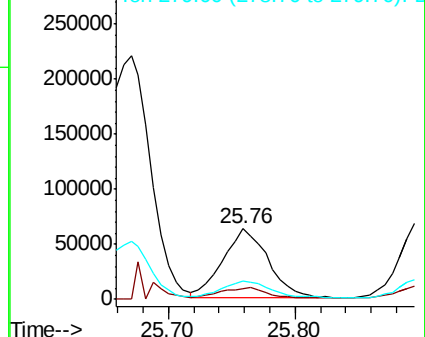
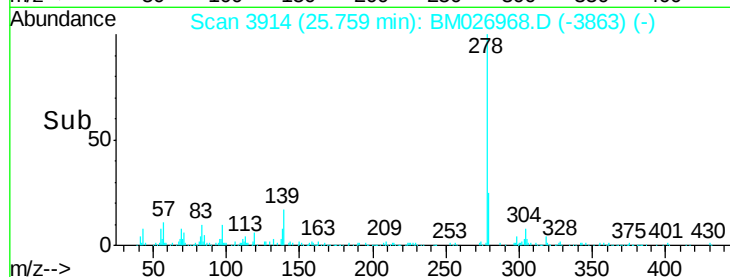
279 26.6 19.4 29.2



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: 20.206 ng/ul

RT: 26.33 min Scan# 4011

Delta R.T. 0.01 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

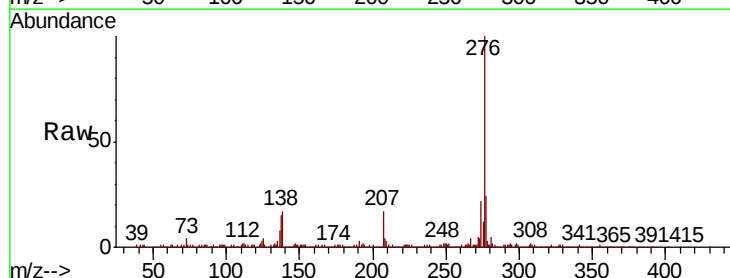
Tgt Ion:276 Resp: 678323

Ion Ratio Lower Upper

276 100

138 17.0 14.9 22.3

277 23.9 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

