

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026969.D
 Acq On : 31 Jul 2020 21:44
 Operator : JU/CG
 Sample : L3424-17 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 00:48:55 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	7.67	152	113961	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	442597	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	273668	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	558660	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	554544	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	553172	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1886	0.76	ng/uL	0.00
5) Phenol-d5	6.84	99	49493	4.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	32467	4.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	36350	4.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	38038	4.95	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	17528	5.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	18490	5.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	37458	4.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	26315	2.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	107678	5.02	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	139881	5.12	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	14619	4.03	ng/ul	0.00
58) Fluorene-d10	15.29	176	93773	5.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	9517	3.82	ng/ul	0.00
71) Anthracene-d10	17.13	188	143849	5.15	ng/ul	0.00
79) Pyrene-d10	19.43	212	145985	4.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	148084	4.74	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.48	128	132844	5.372	ng/ul 96
30) 4-Chloroaniline	10.48	127	16872	1.862	ng/ul# 1
34) 2-Methylnaphthalene	12.10	142	50946	2.914	ng/ul 99
35) 1-Methylnaphthalene	12.32	142	25639	1.501	ng/ul# 96
45) Dimethylphthalate	13.75	163	28526	1.267	ng/ul# 99
48) Acenaphthylene	14.01	152	569194	20.515	ng/ul 99
50) Acenaphthene	14.35	153	30281	1.584	ng/ul 94
54) Dibenzofuran	14.69	168	182911	6.903	ng/ul 98
59) Fluorene	15.34	166	38133	1.709	ng/ul# 94
70) Phenanthrene	17.08	178	500665	14.764	ng/ul 100
72) Anthracene	17.17	178	904237	25.942	ng/ul 99
75) Carbazole	17.43	167	181361	5.886	ng/ul 98
77) Fluoranthene	19.10	202	3366979	84.090	ng/ul 99
80) Pyrene	19.47	202	4677920	115.946	ng/ul 98
83) Benzo(a)anthracene	21.27	228	3614151	94.555	ng/ul 94
85) Chrysene	21.27	228	3610110	96.853	ng/ul 98
88) Benzo(b)fluoranthene	22.80	252	7475243	188.903	ng/ul 99
89) Benzo(k)fluoranthene	22.84	252	2449856	64.517	ng/ul 97
91) Benzo(a)pyrene	23.35	252	2278312	63.804	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.68	276	2925848	66.049	ng/ul 95
93) Dibenzo(a,h)anthracene	25.76	278	171050	4.566	ng/ul 92
94) Benzo(a,h,i)perylene	26.34	276	727025	19.848	ng/ul 98

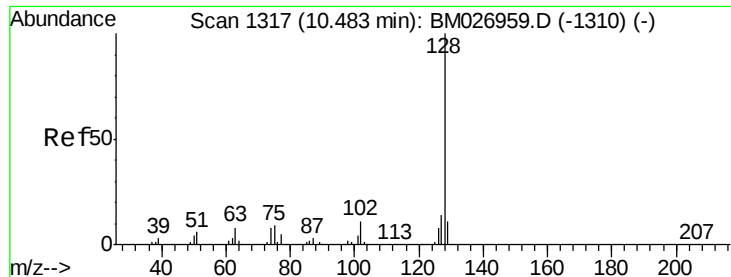
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026969.D
Acq On : 31 Jul 2020 21:44
Operator : JU/CG
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 00:45:52 2020
Response via : Initial Calibration

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: 5.372 ng/ul

RT: 10.48 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

ClientSampleId :

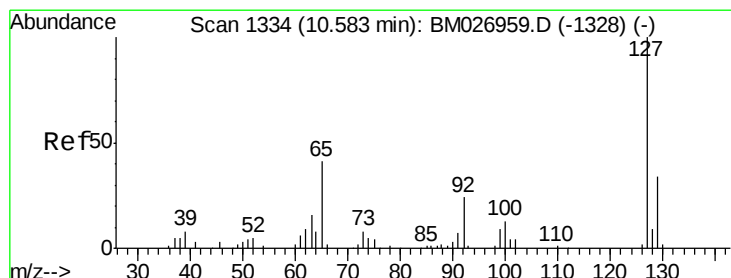
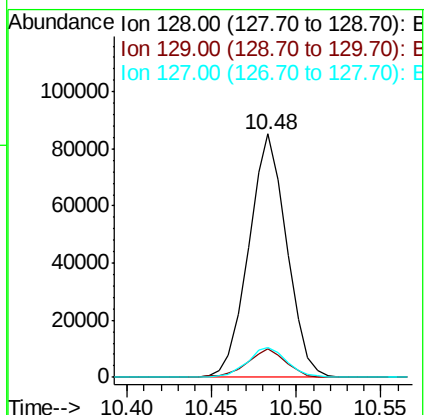
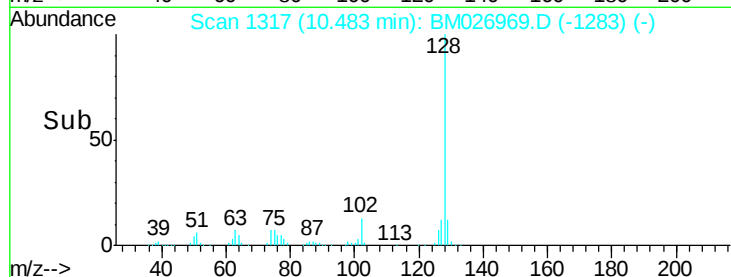
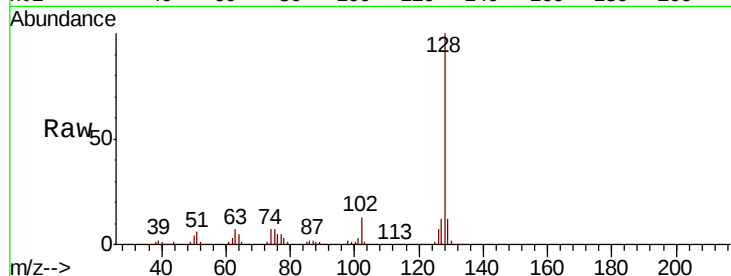
Tot Ion:128 Resp: 132844

Ion Ratio Lower Upper

128 100

129 11.9 8.3 12.5

127 12.1 11.0 16.6



#30

4-Chloroaniline

Concen: 1.862 ng/ul

RT: 10.48 min Scan# 1317

Delta R.T. -0.11 min

Lab File: BM026969.D

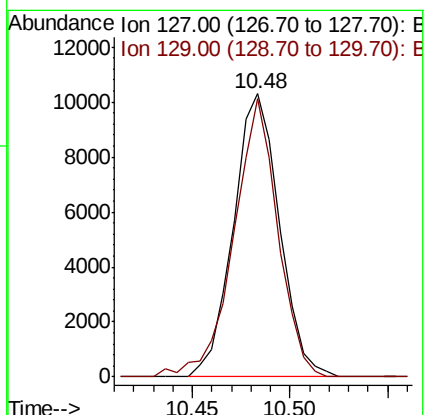
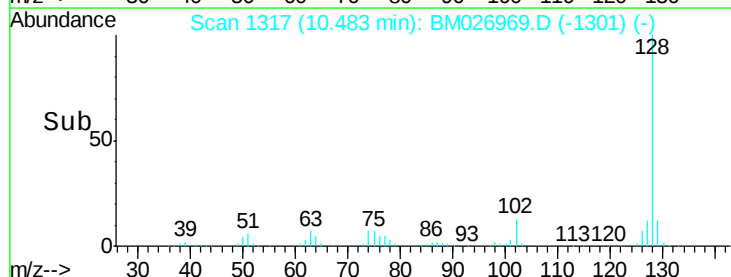
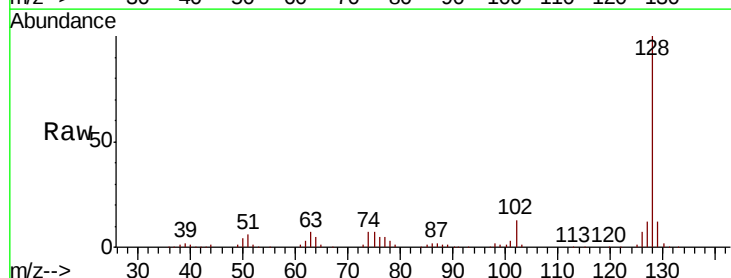
Acq: 31 Jul 2020 21:44

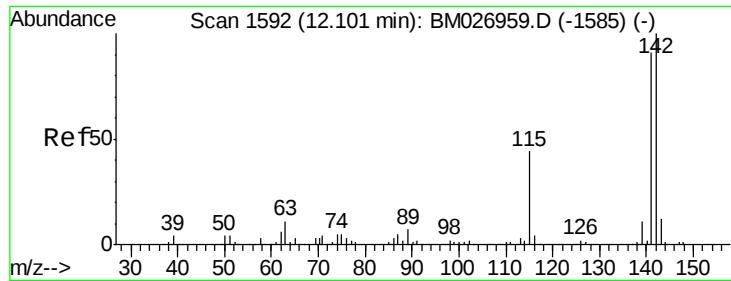
Tgt Ion:127 Resp: 16872

Ion Ratio Lower Upper

127 100

129 98.3 24.3 36.5#

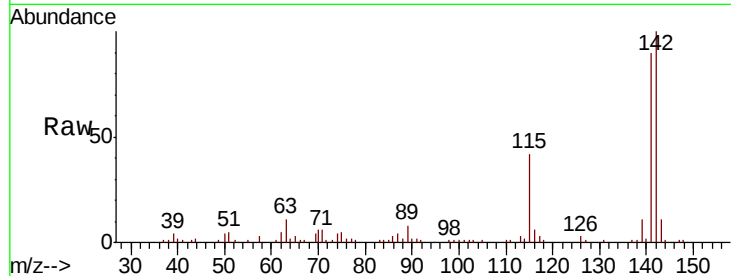




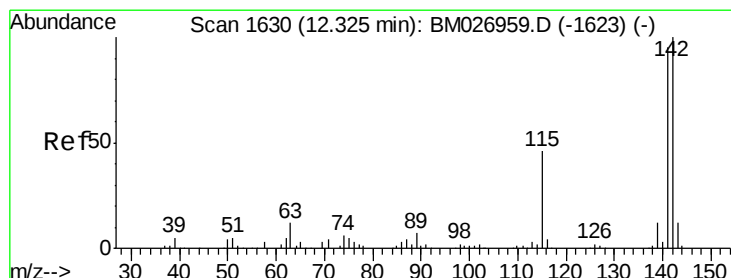
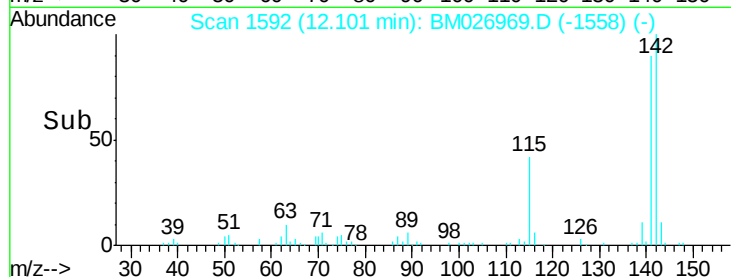
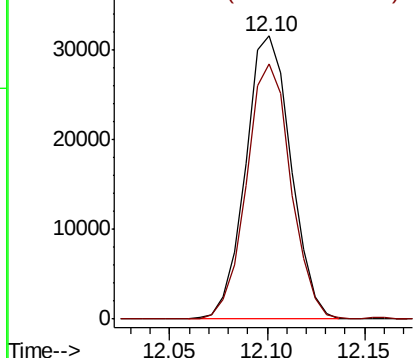
#34
2-Methylnaphthalene
Concen: 2.914 ng/ul
RT: 12.10 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Instrument :
BNA_M
ClientSampleId :

Tot Ion:142 Resp: 50946
Ion Ratio Lower Upper
142 100
141 90.3 71.1 106.7

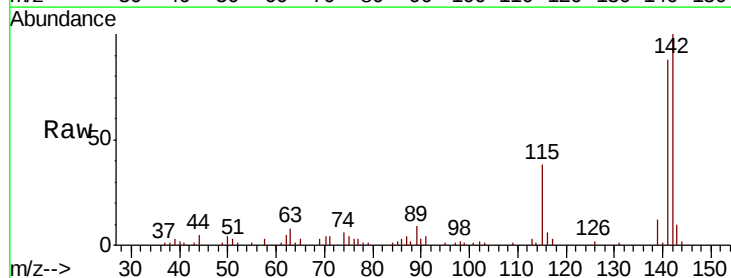


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

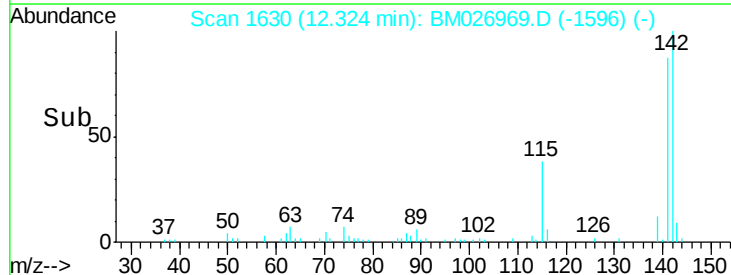
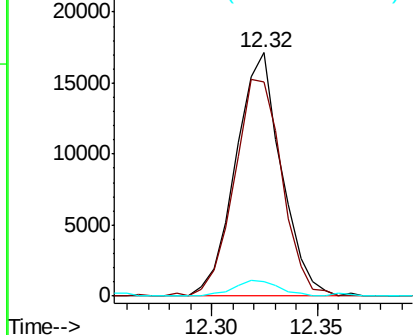


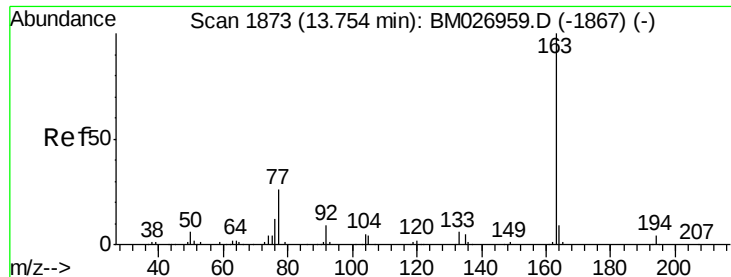
#35
1-Methylnaphthalene
Concen: 1.501 ng/ul
RT: 12.32 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Tgt Ion:142 Resp: 25639
Ion Ratio Lower Upper
142 100
141 87.9 73.3 109.9
116 6.2 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

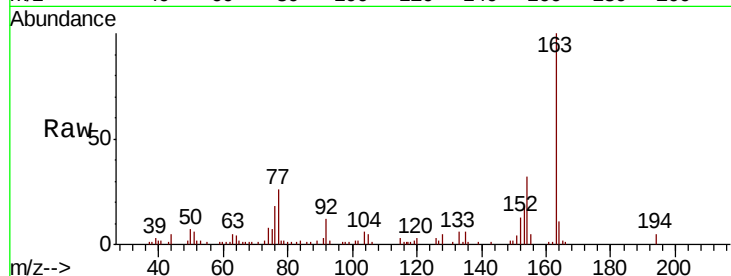




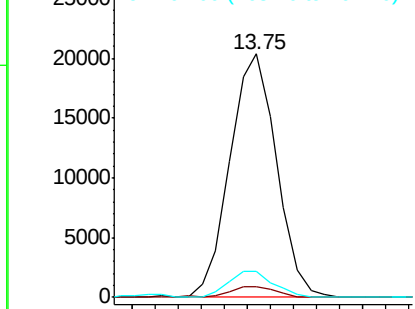
#45
Dimethylphthalate
Concen: 1.267 ng/ul
RT: 13.75 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Instrument :
BNA_M
ClientSampleId :

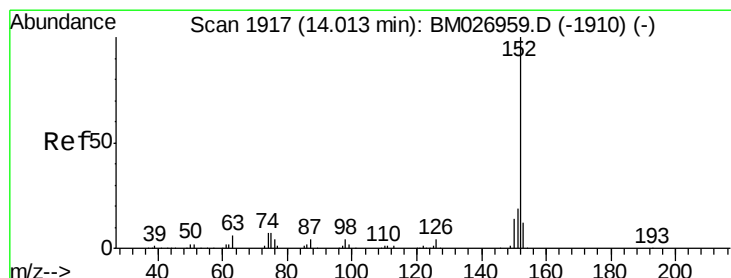
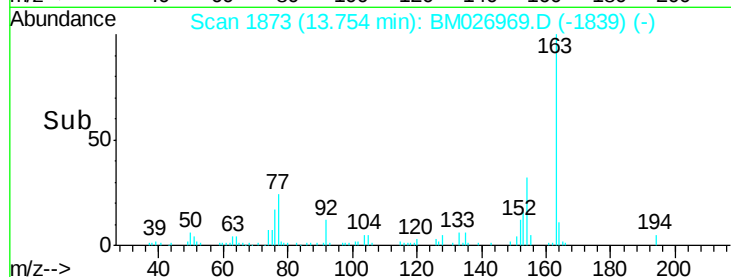
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.0	4.6#
164	10.9	8.6	12.8



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

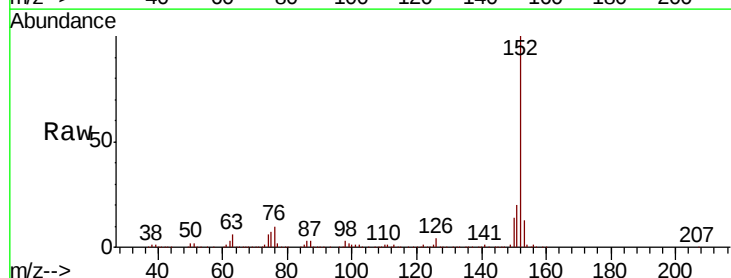


Time--> 13.70 13.75 13.80

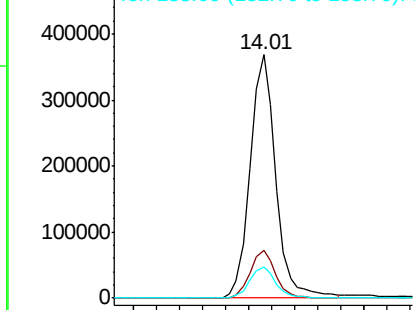


#48
Acenaphthylene
Concen: 20.515 ng/ul
RT: 14.01 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

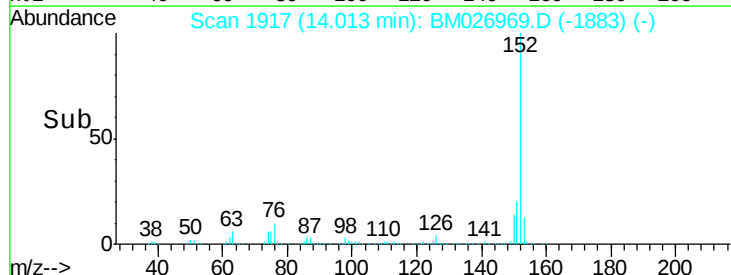
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	12.8	10.7	16.1

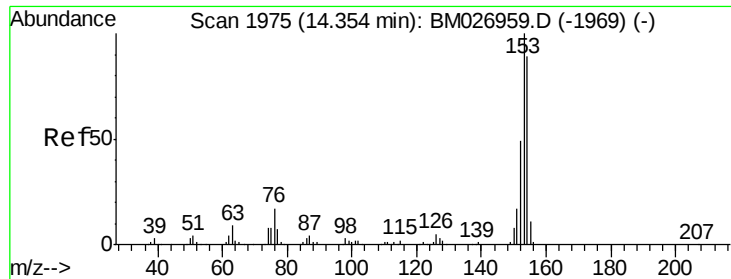


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 13.90 14.00 14.10





#50

Acenaphthene

Concen: 1.584 ng/ul

RT: 14.35 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

ClientSampleId :

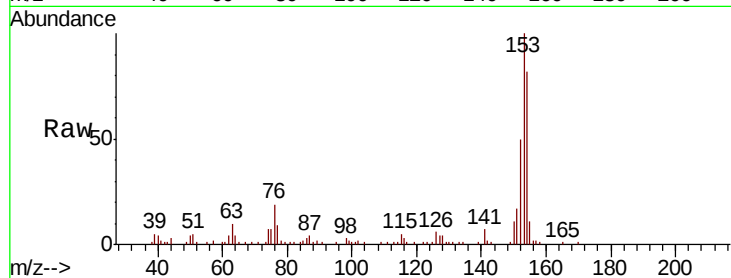
Tot Ion:153 Resp: 30281

Ion Ratio Lower Upper

153 100

152 49.7 37.8 56.6

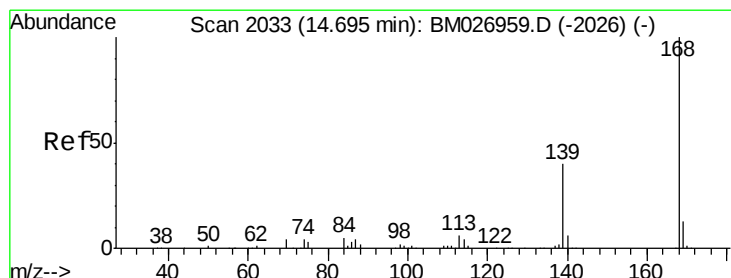
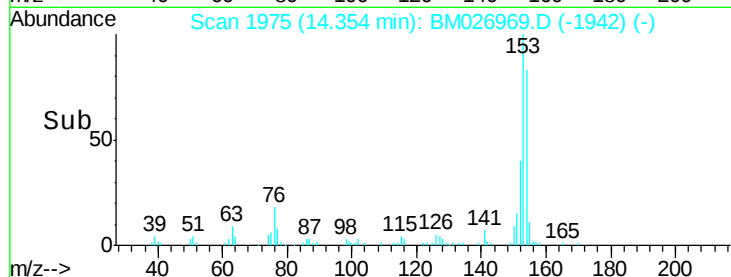
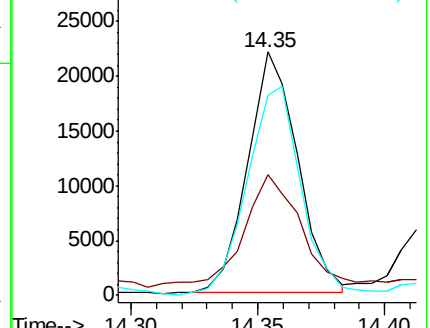
154 82.0 70.5 105.7



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: 6.903 ng/ul

RT: 14.69 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BM026969.D

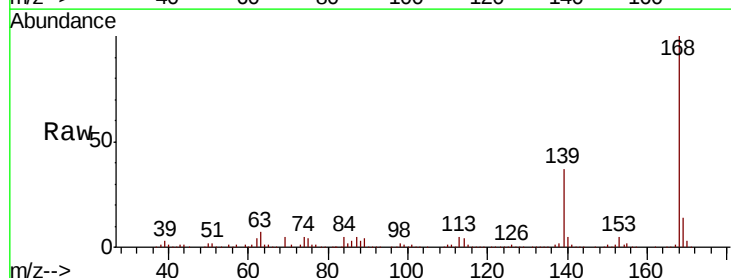
Acq: 31 Jul 2020 21:44

Tgt Ion:168 Resp: 182911

Ion Ratio Lower Upper

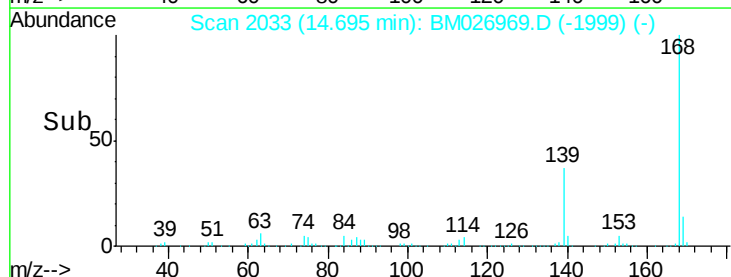
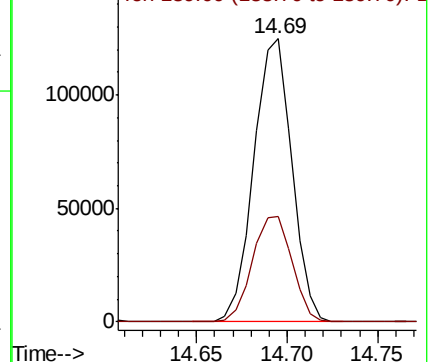
168 100

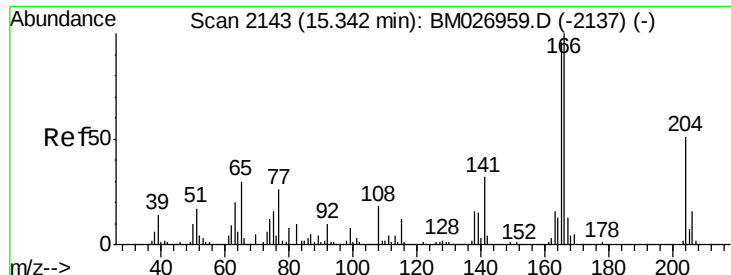
139 37.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.709 ng/ul

RT: 15.34 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

ClientSampled :

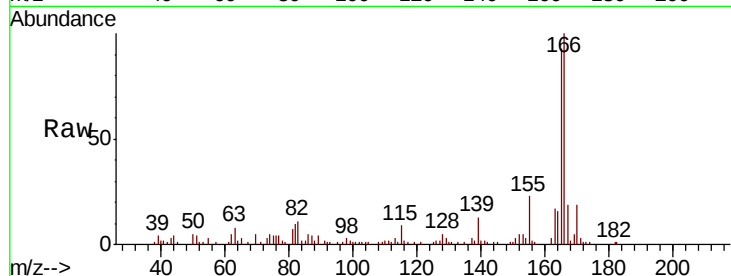
Tot Ion:166 Resp: 38133

Ion Ratio Lower Upper

166 100

165 93.5 78.2 117.2

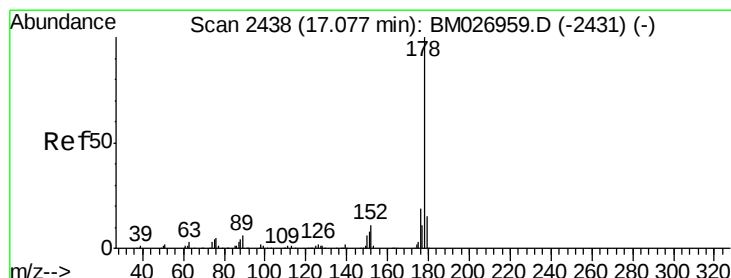
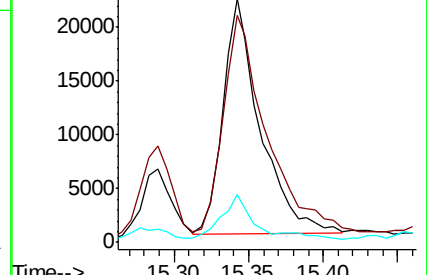
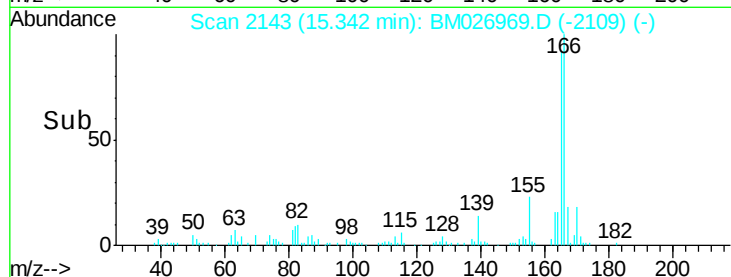
167 19.5 10.3 15.5#



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: 14.764 ng/ul

RT: 17.08 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

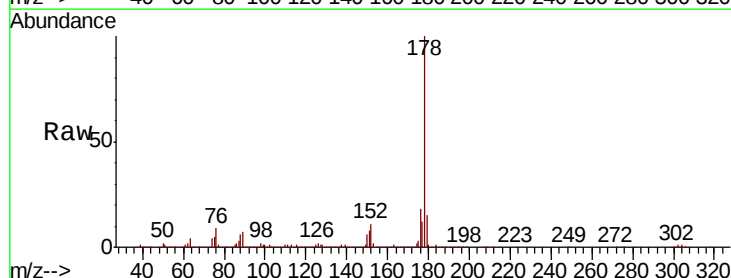
Tgt Ion:178 Resp: 500665

Ion Ratio Lower Upper

178 100

179 14.8 12.0 18.0

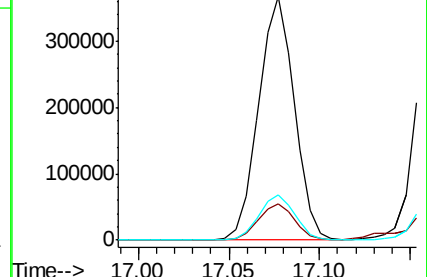
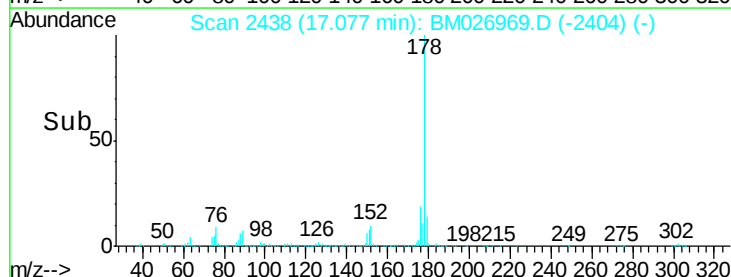
176 18.5 14.7 22.1

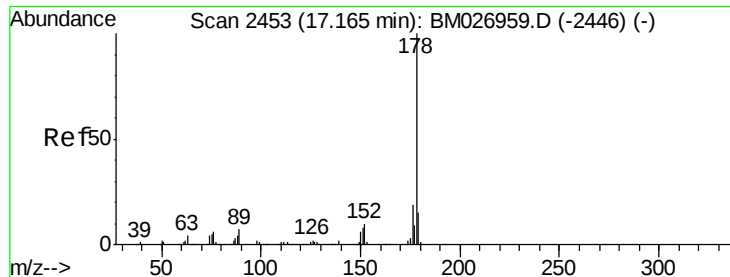


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

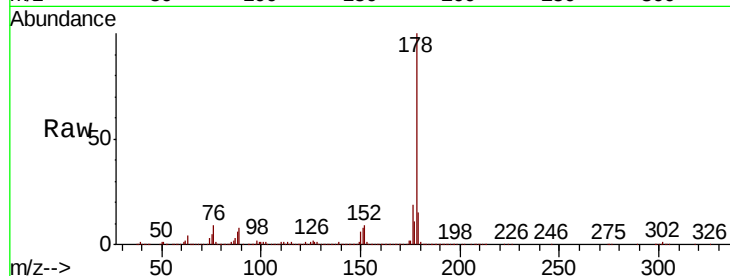




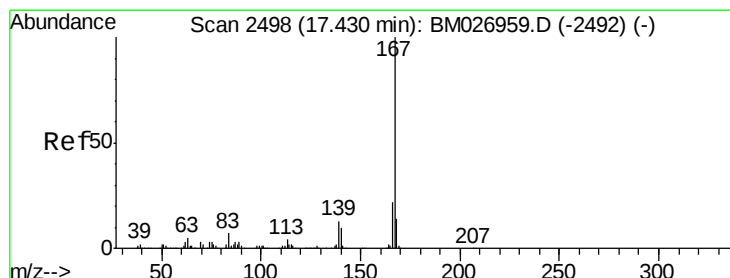
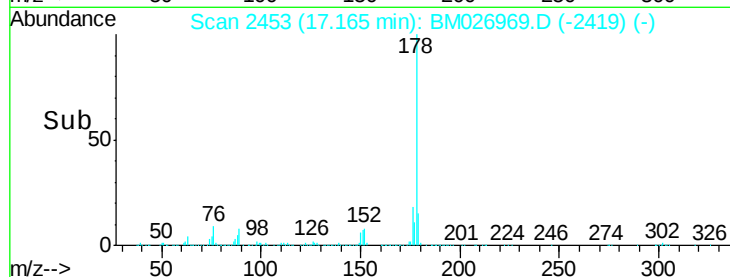
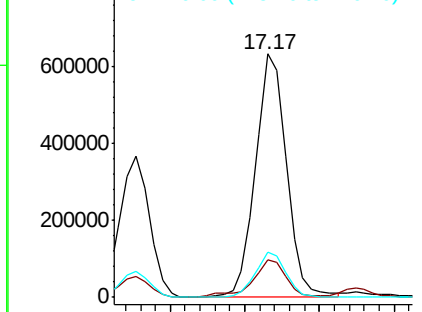
#72
 Anthracene
 Concen: 25.942 ng/ul
 RT: 17.17 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: BM026969.D
 Acq: 31 Jul 2020 21:44

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.6
176	18.5	15.0	22.6

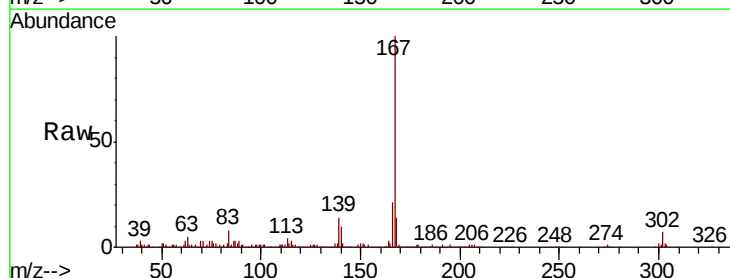


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

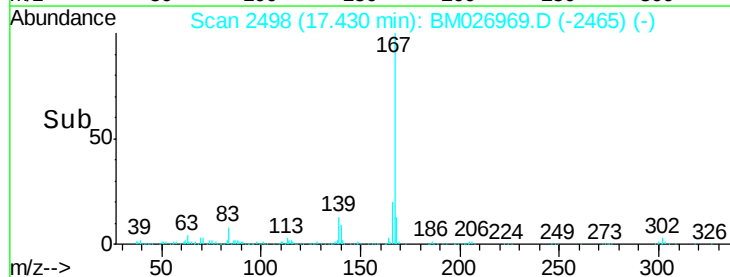
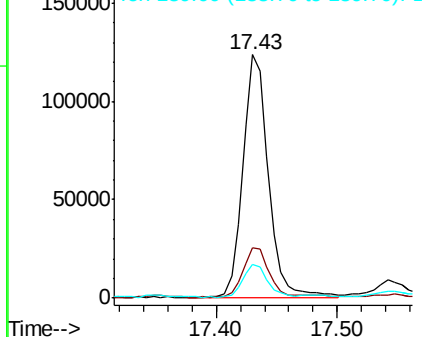


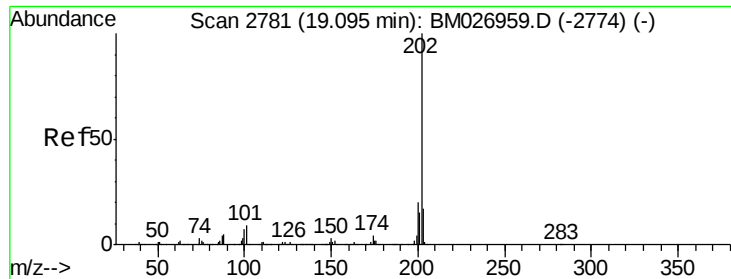
#75
 Carbazole
 Concen: 5.886 ng/ul
 RT: 17.43 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BM026969.D
 Acq: 31 Jul 2020 21:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.1	25.7
139	13.8	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

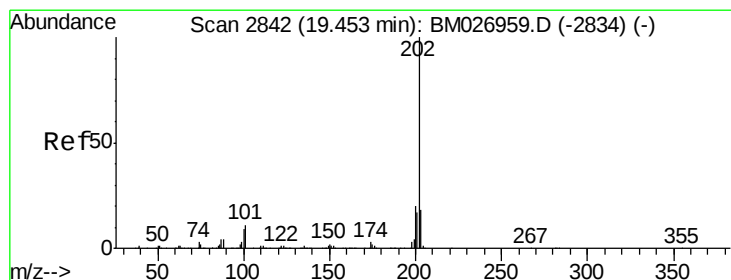
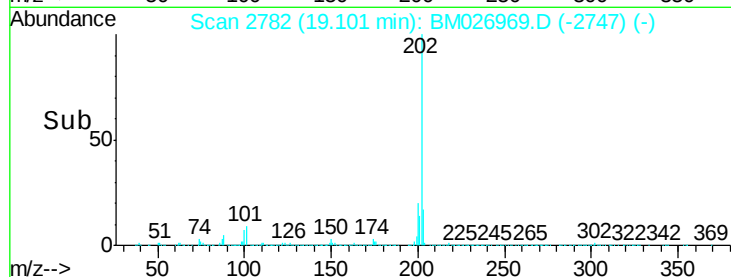
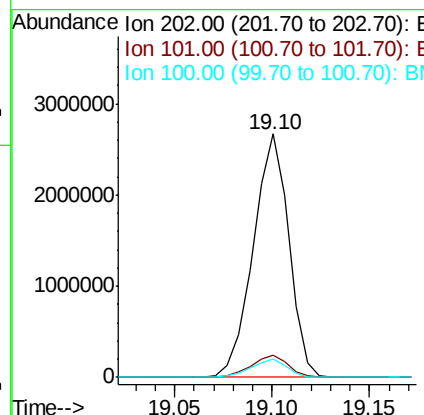
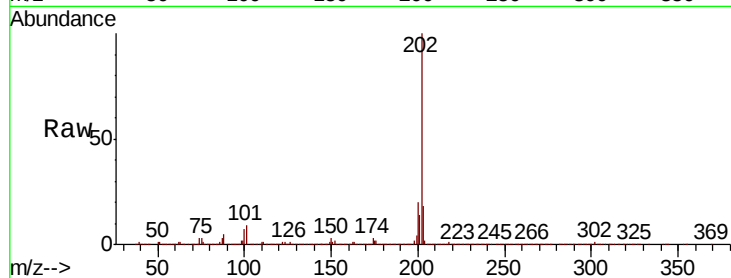




#77
 Fluoranthene
 Concen: 84.090 ng/ul
 RT: 19.10 min Scan# 2782
 Delta R.T. 0.01 min
 Lab File: BM026969.D
 Acq: 31 Jul 2020 21:44

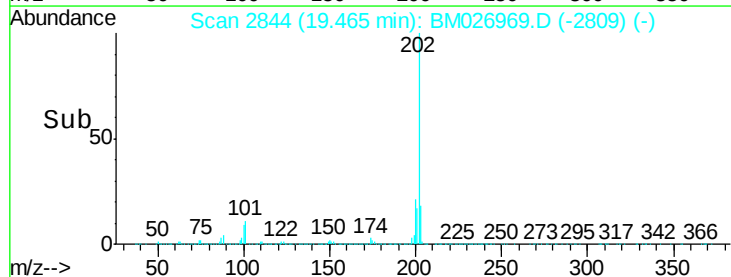
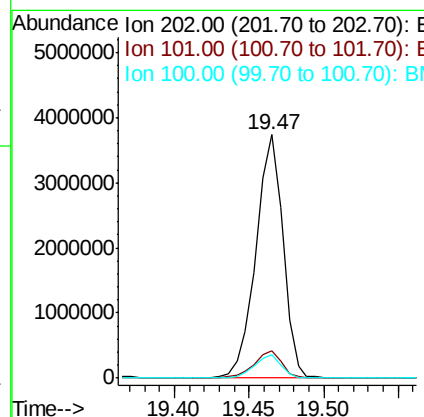
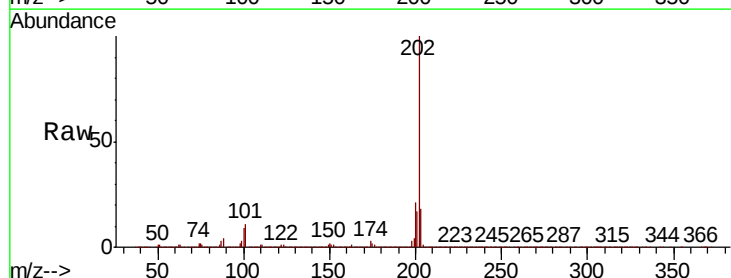
Instrument :
 BNA_M
 ClientSampleId :

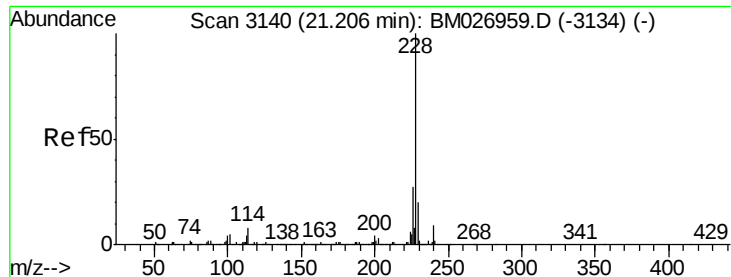
Tot Ion:202 Resp: 3366979
 Ion Ratio Lower Upper
 202 100
 101 9.2 7.7 11.5
 100 7.3 6.2 9.4



#80
 Pyrene
 Concen: 115.946 ng/ul
 RT: 19.47 min Scan# 2844
 Delta R.T. 0.01 min
 Lab File: BM026969.D
 Acq: 31 Jul 2020 21:44

Tgt Ion:202 Resp: 4677920
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.4 14.2
 100 9.4 8.2 12.4

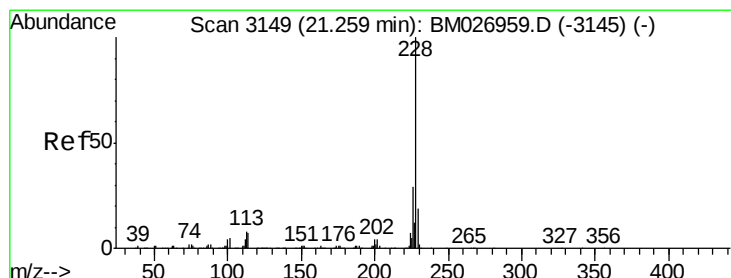
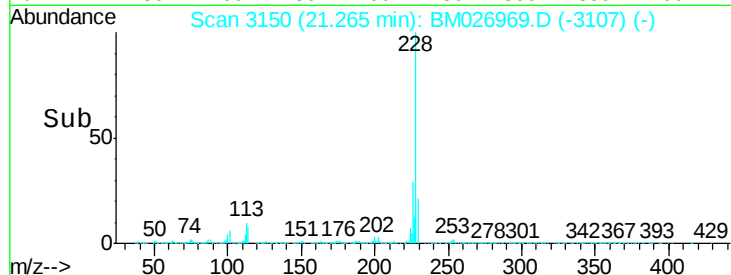
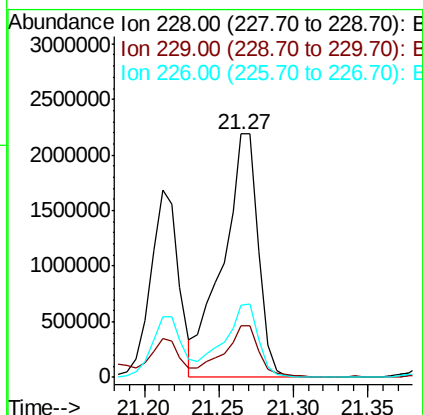
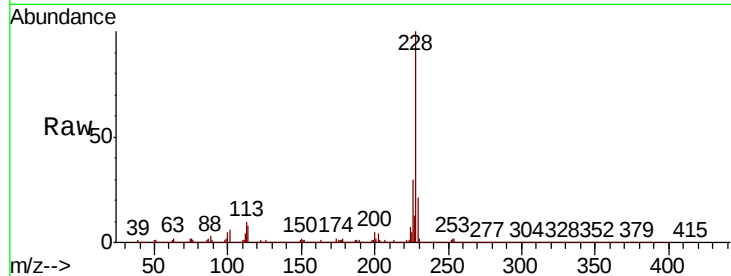




#83
Benzo(a)anthracene
Concen: 94.555 ng/ul
RT: 21.27 min Scan# 3150
Delta R.T. 0.05 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

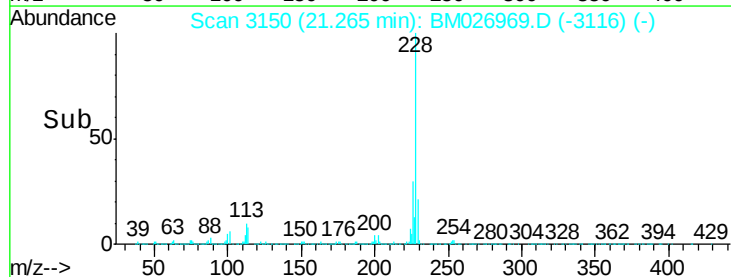
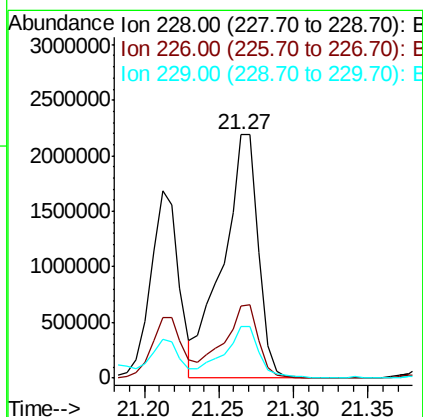
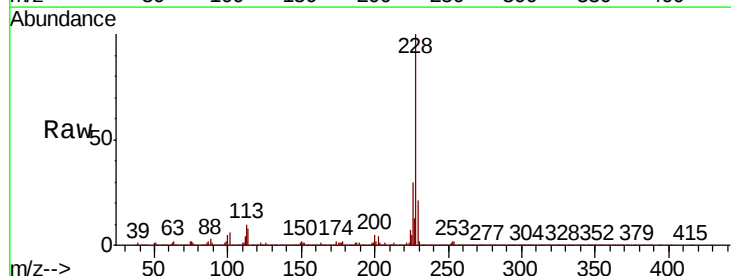
Instrument :
BNA_M
ClientSampleId :

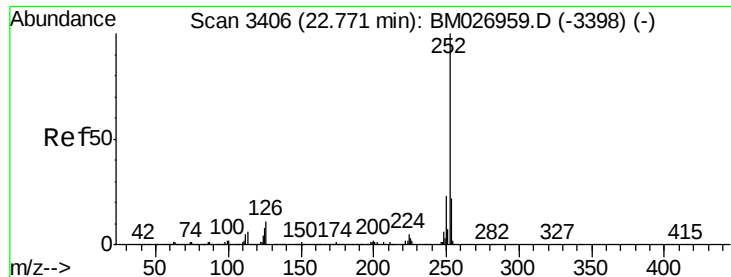
Tot Ion:228 Resp: 3614151
Ion Ratio Lower Upper
228 100
229 21.4 15.4 23.2
226 29.6 20.9 31.3



#85
Chrysene
Concen: 96.853 ng/ul
RT: 21.27 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Tgt Ion:228 Resp: 3610110
Ion Ratio Lower Upper
228 100
226 29.6 23.2 34.8
229 21.4 15.5 23.3

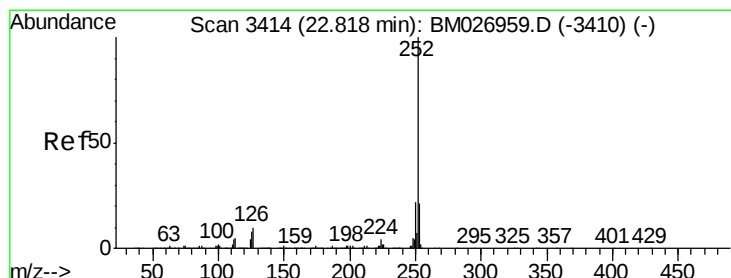
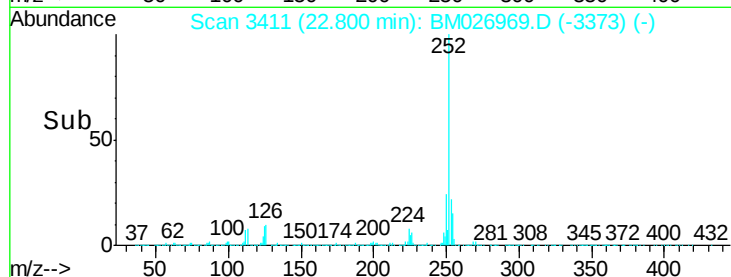
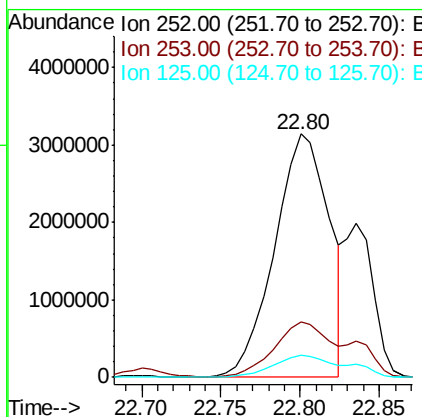
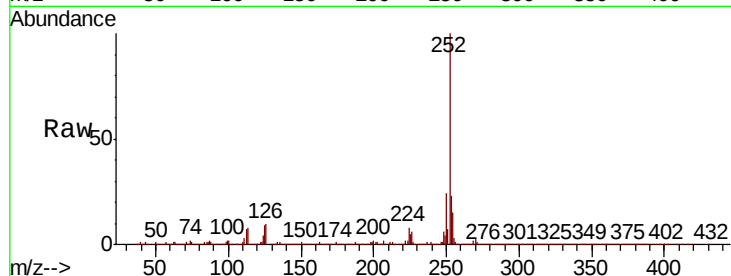




#88
Benzo(b)fluoranthene
Concen: 188.903 ng/ul
RT: 22.80 min Scan# 3411
Delta R.T. 0.02 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

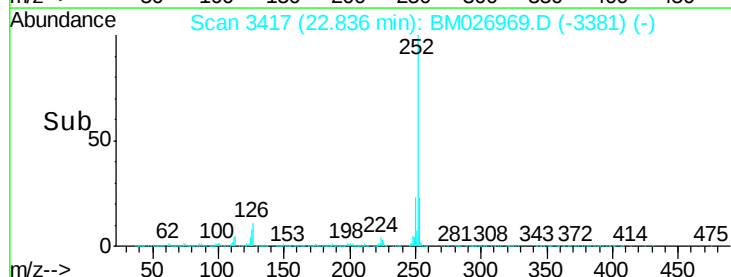
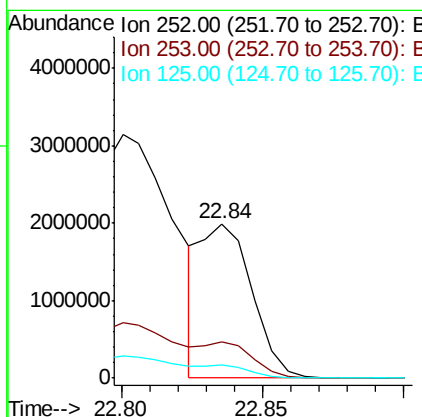
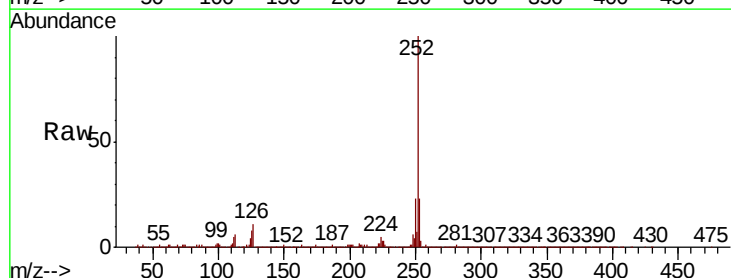
Instrument :
BNA_M
ClientSampleId :

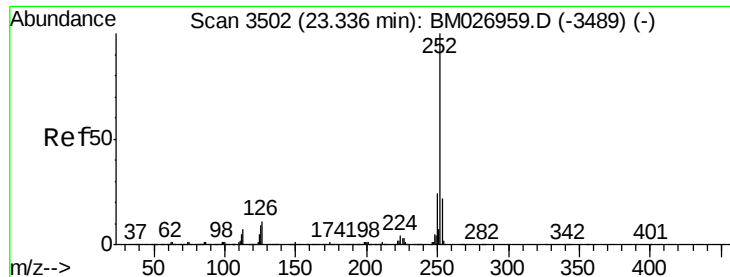
Tot Ion:252 Resp: 7475243
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 8.9 6.6 10.0



#89
Benzo(k)fluoranthene
Concen: 64.517 ng/ul
RT: 22.84 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Tgt Ion:252 Resp: 2449856
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.4 7.3 10.9





#91

Benzo(a)pyrene

Concen: 63.804 ng/ul

RT: 23.35 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

ClientSampleId :

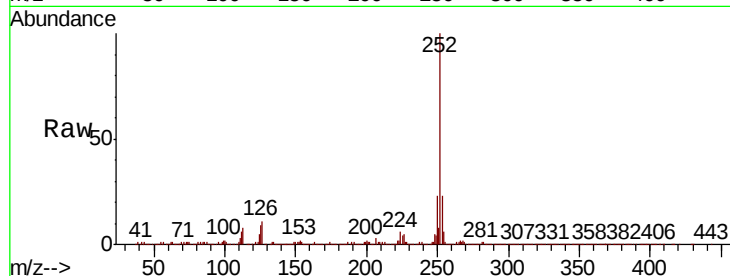
Tot Ion:252 Resp: 2278312

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

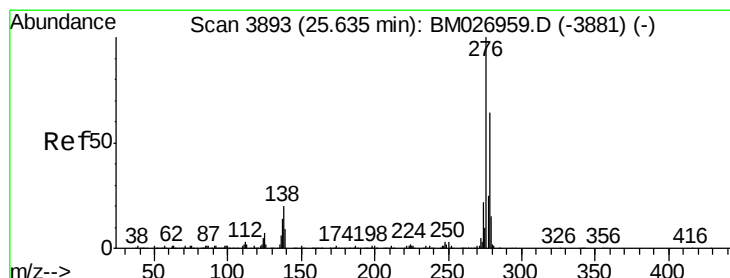
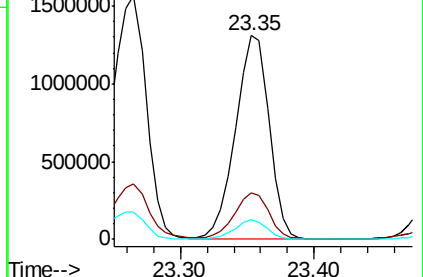
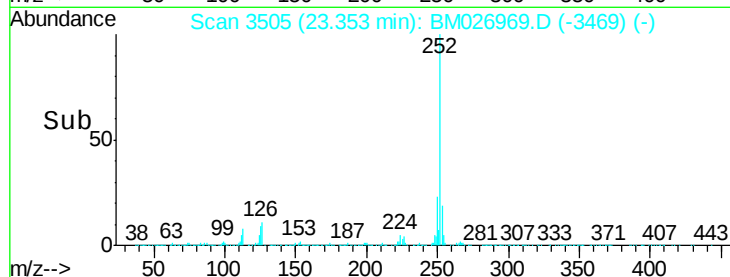
125 9.4 8.2 12.2



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: 66.049 ng/ul

RT: 25.68 min Scan# 3900

Delta R.T. 0.04 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

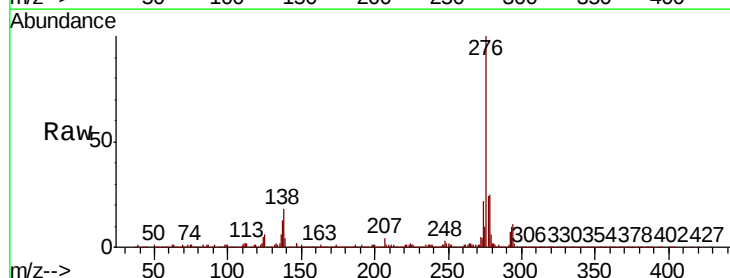
Tgt Ion:276 Resp: 2925848

Ion Ratio Lower Upper

276 100

138 17.8 17.0 25.4

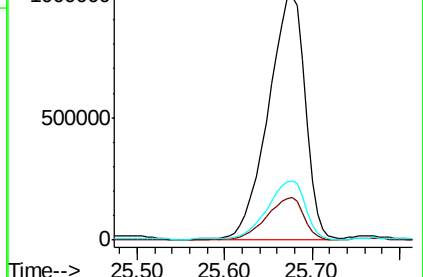
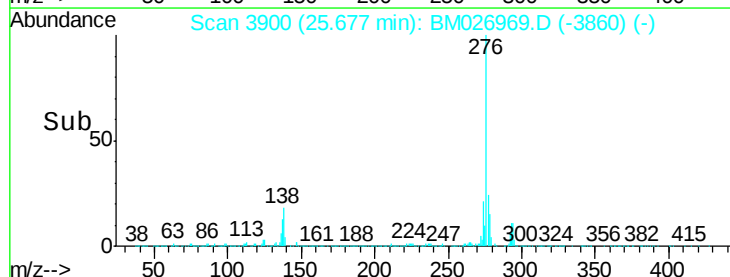
277 24.4 20.6 30.8

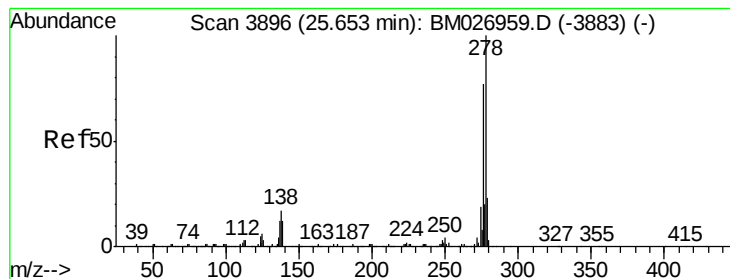


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



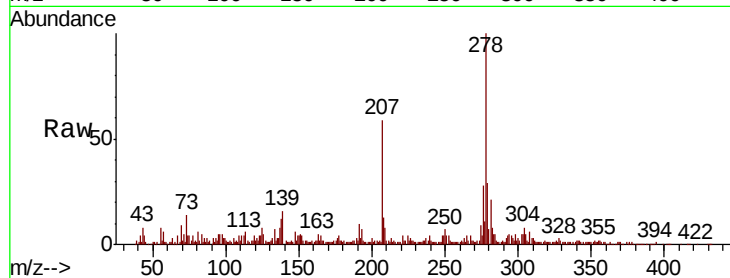


#93

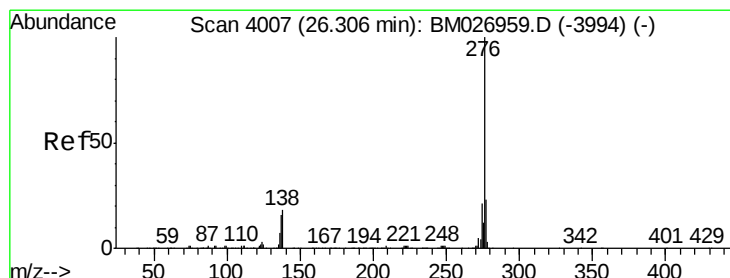
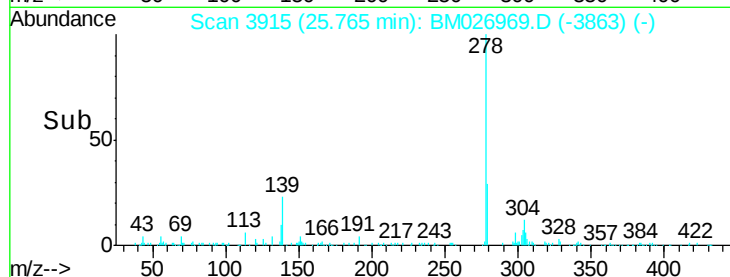
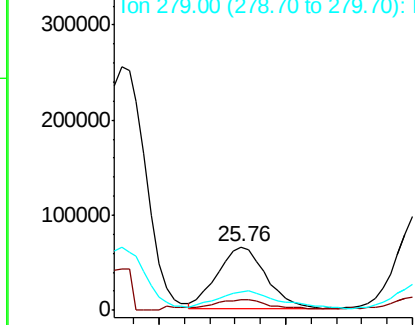
Dibenzo(a,h)anthracene
Concen: 4.566 ng/ul
RT: 25.76 min Scan# 3915
Delta R.T. 0.11 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 171050
Ion Ratio Lower Upper
278 100
139 16.3 10.9 16.3
279 28.8 19.4 29.2



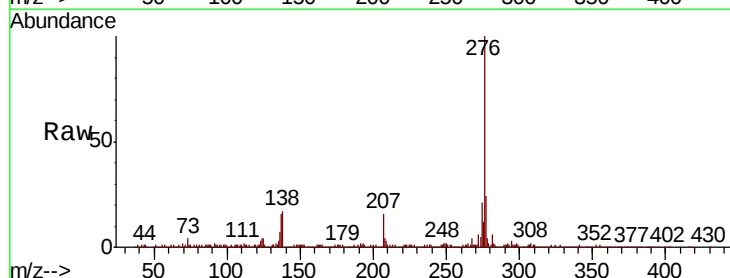
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene
Concen: 19.848 ng/ul
RT: 26.34 min Scan# 4012
Delta R.T. 0.02 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Tgt Ion:276 Resp: 727025
Ion Ratio Lower Upper
276 100
138 17.0 14.9 22.3
277 24.4 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

