

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072320\
 Data File : BM026860.D
 Acq On : 23 Jul 2020 20:34
 Operator : JU/CG
 Sample : L3381-04 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 24 01:37:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 14:16:10 2020
 Response via : Initial Calibration

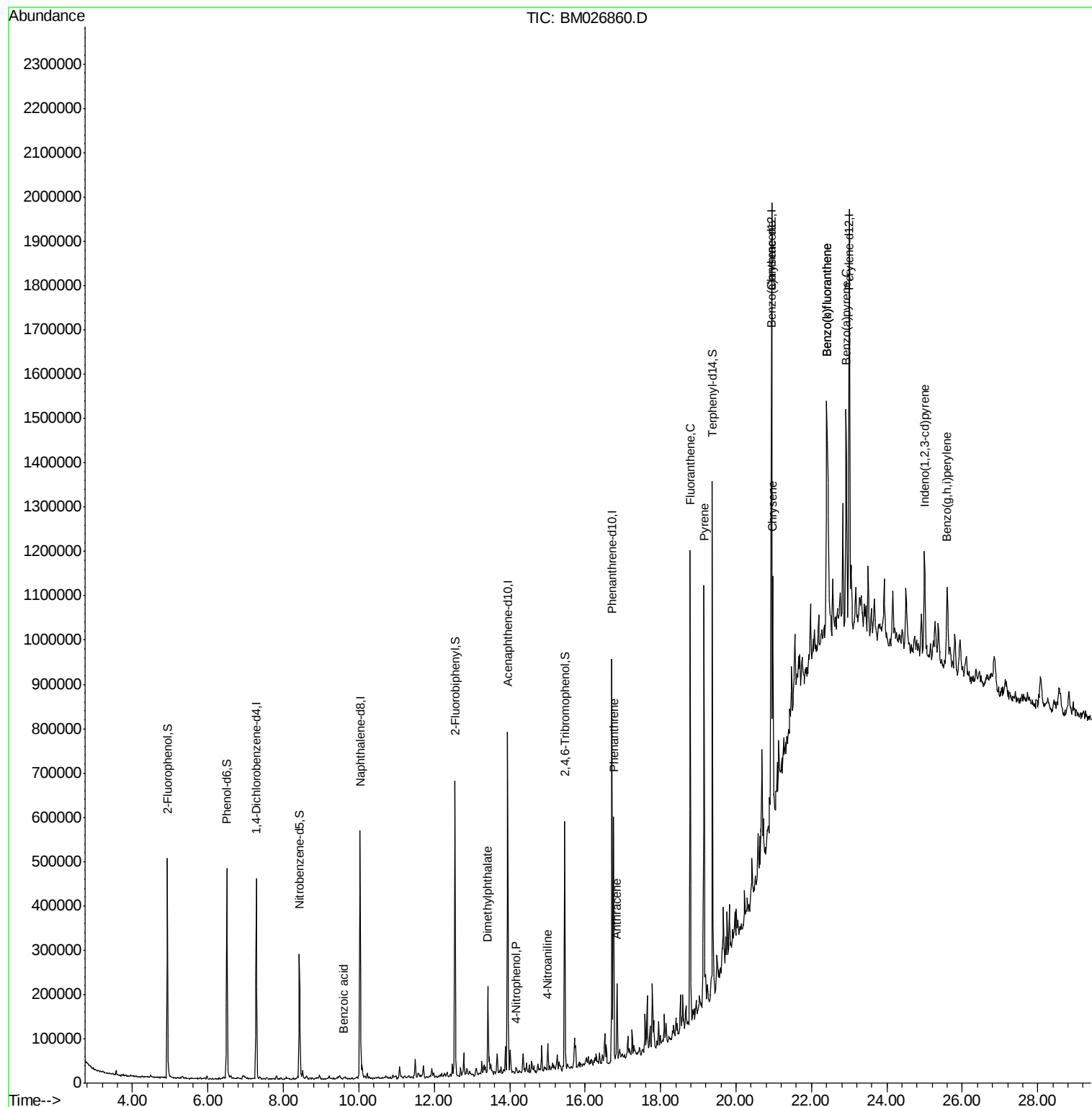
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	100450	20.00	ng	-0.02
21) Naphthalene-d8	10.03	136	379284	20.00	ng	-0.02
39) Acenaphthene-d10	13.95	164	221329	20.00	ng	-0.01
64) Phenanthrene-d10	16.71	188	460690	20.00	ng	-0.01
76) Chrysene-d12	20.94	240	508266	20.00	ng	0.00
86) Perylene-d12	23.01	264	523042	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.93	112	169109	28.22	ng	-0.02
7) Phenol-d6	6.50	99	226369	23.71	ng	-0.02
23) Nitrobenzene-d5	8.42	82	155548	17.50	ng	-0.02
42) 2,4,6-Tribromophenol	15.46	330	75216	23.33	ng	-0.01
45) 2-Fluorobiphenyl	12.55	172	304363	18.28	ng	-0.02
79) Terphenyl-d14	19.38	244	430850	16.68	ng	-0.01
Target Compounds						
32) Benzoic acid	9.59	122	60	7.110	ng	Qvalue # 23
50) Dimethylphthalate	13.42	163	103857	5.486	ng	99
56) 4-Nitrophenol	14.17	139	598	4.067	ng	# 69
62) 4-Nitroaniline	15.01	138	296	3.197	ng	# 33
71) Phenanthrene	16.75	178	284068	10.445	ng	99
72) Anthracene	16.84	178	87298	3.224	ng	98
75) Fluoranthene	18.79	202	574886	17.162	ng	100
78) Pyrene	19.15	202	532560	16.633	ng	99
81) Benzo(a)anthracene	20.92	228	287382	8.417	ng	97
83) Chrysene	20.98	228	275965	8.305	ng	97
87) Indeno(1,2,3-cd)pyrene	24.99	276	177842	4.776	ng	96
88) Benzo(b)fluoranthene	22.41	252	491633	14.266	ng	# 95
89) Benzo(k)fluoranthene	22.41	252	491633	14.543	ng	# 95
90) Benzo(a)pyrene	22.92	252	259848	8.122	ng	# 94
92) Benzo(a,h,i)perylene	25.60	276	179182	6.187	ng	100

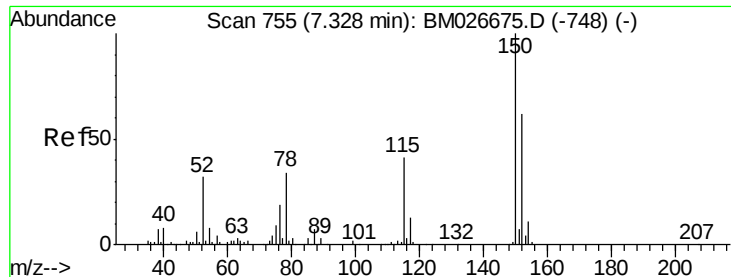
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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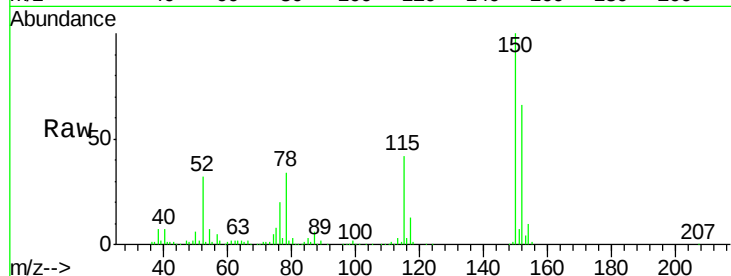


#1

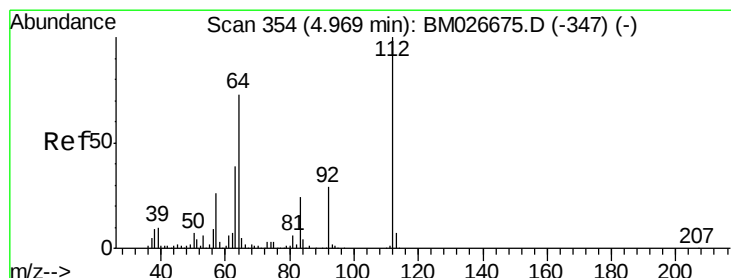
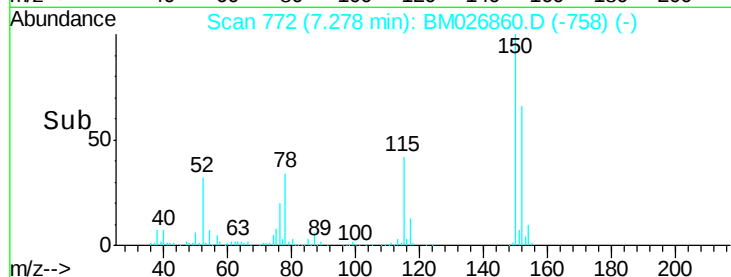
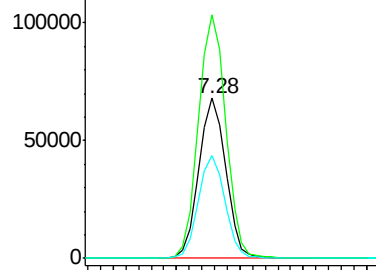
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.28 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	128.1	192.1
115	64.1	52.2	78.4



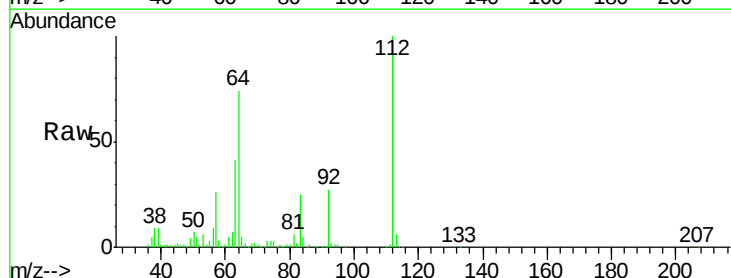
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



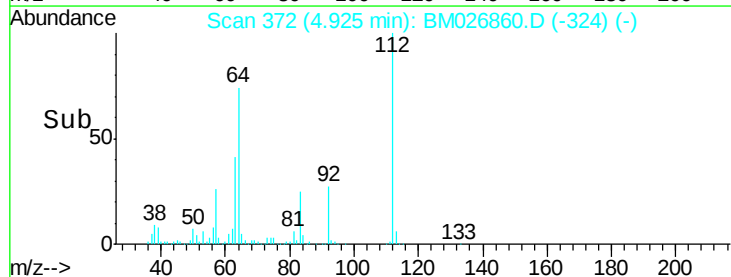
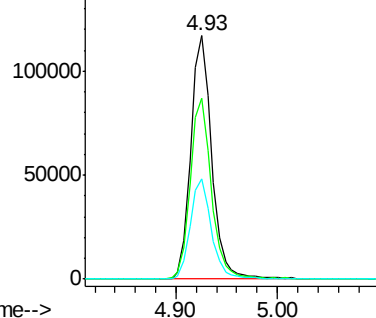
#5

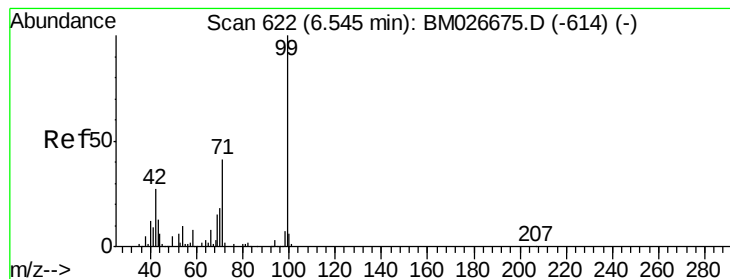
2-Fluorophenol
Concen: 28.217 ng
RT: 4.93 min Scan# 372
Delta R.T. -0.02 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.3	58.4	87.6
63	41.0	31.5	47.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 23.707 ng

RT: 6.50 min Scan# 639

Delta R.T. -0.02 min

Lab File: BM026860.D

Acq: 23 Jul 2020 20:34

Instrument :

BNA_M

ClientSampleId :

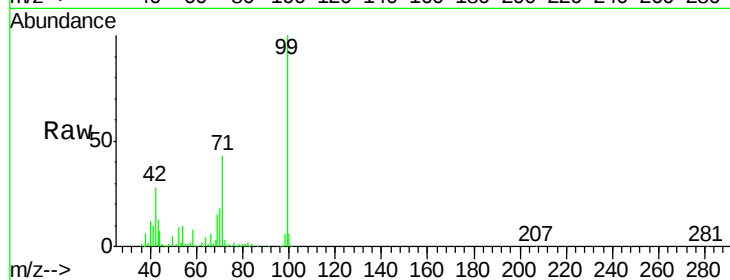
Tot Ion: 99 Resp: 226369

Ion Ratio Lower Upper

99 100

42 28.0 21.7 32.5

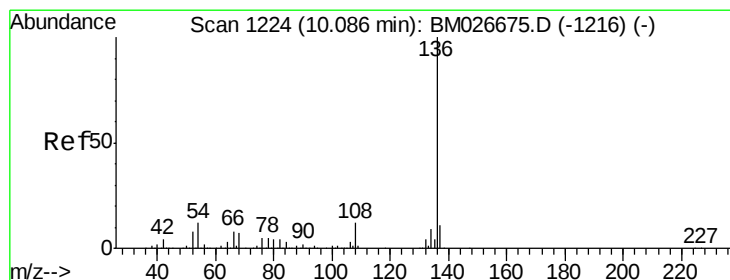
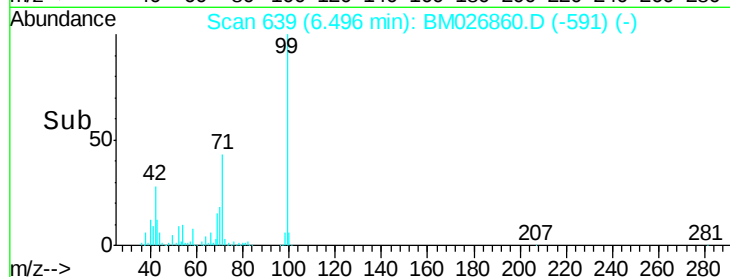
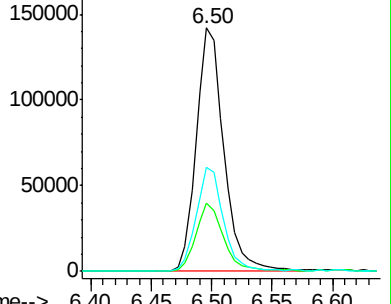
71 42.8 33.2 49.8



Abundance Ion 99.00 (98.70 to 99.70): BM026675.D (-614) (-)

Ion 42.00 (41.70 to 42.70): BM026675.D (-614) (-)

Ion 71.00 (70.70 to 71.70): BM026675.D (-614) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.03 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM026860.D

Acq: 23 Jul 2020 20:34

Tgt Ion: 136 Resp: 379284

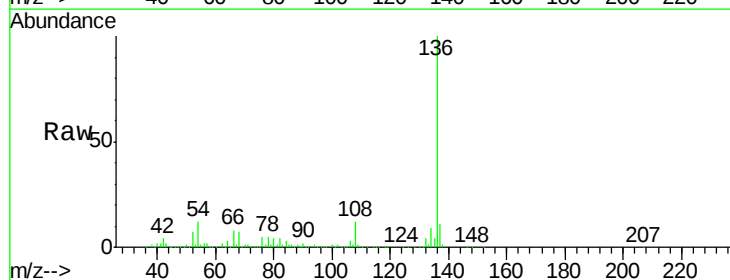
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 12.0 9.8 14.6

68 6.7 5.8 8.6

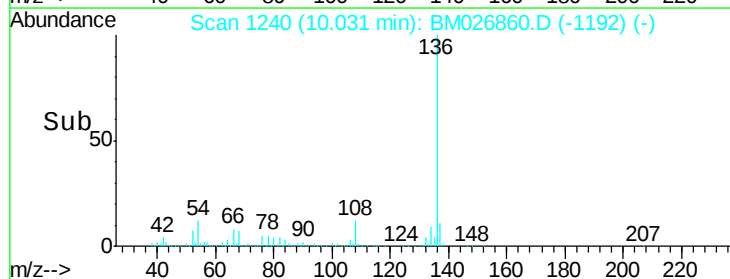
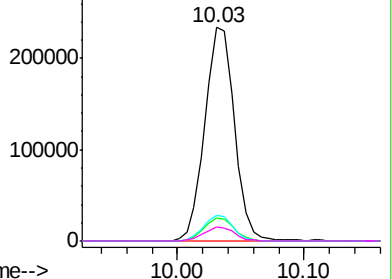


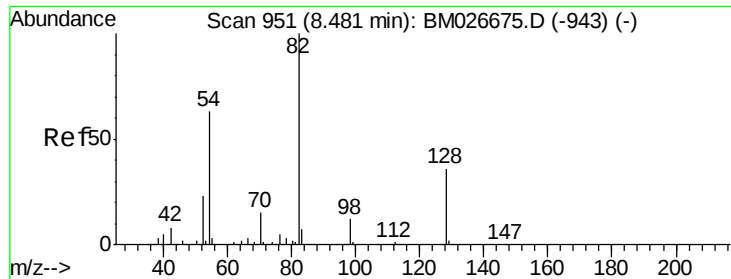
Abundance Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

Ion 137.00 (136.70 to 137.70): BM026675.D (-1216) (-)

Ion 54.00 (53.70 to 54.70): BM026675.D (-1216) (-)

Ion 68.00 (67.70 to 68.70): BM026675.D (-1216) (-)

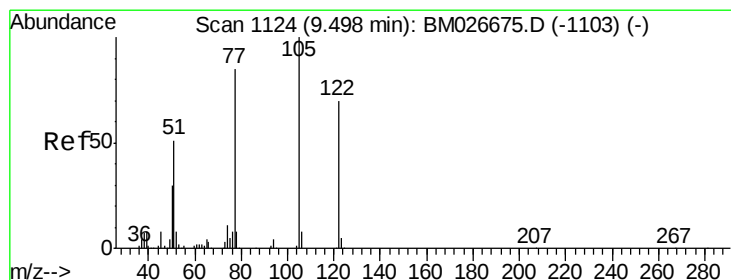
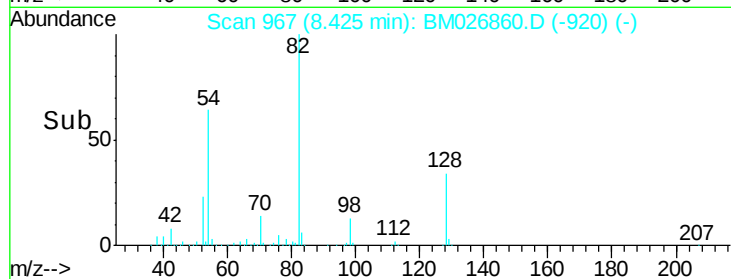
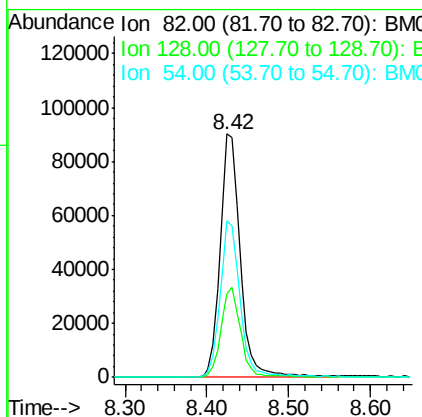
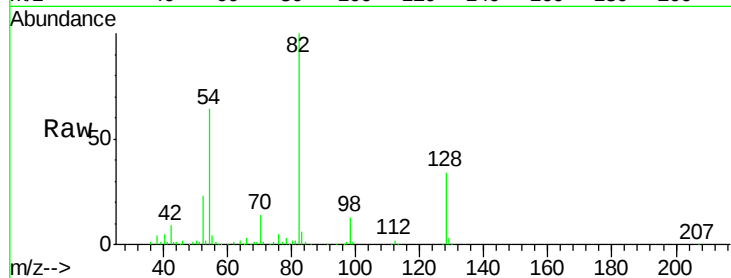




#23
 Nitrobenzene-d5
 Concen: 17.497 ng
 RT: 8.42 min Scan# 967
 Delta R.T. -0.02 min
 Lab File: BM026860.D
 Acq: 23 Jul 2020 20:34

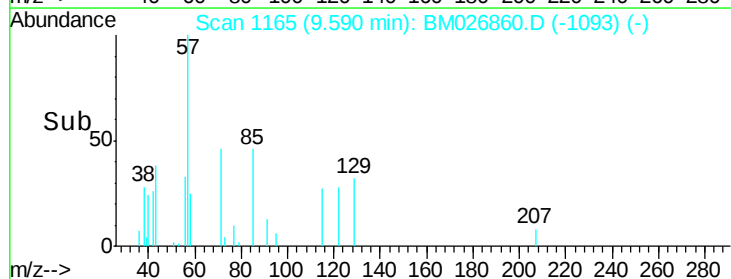
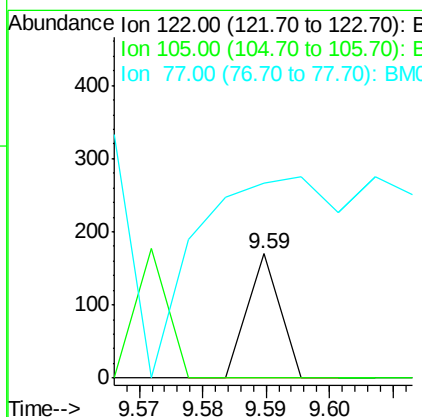
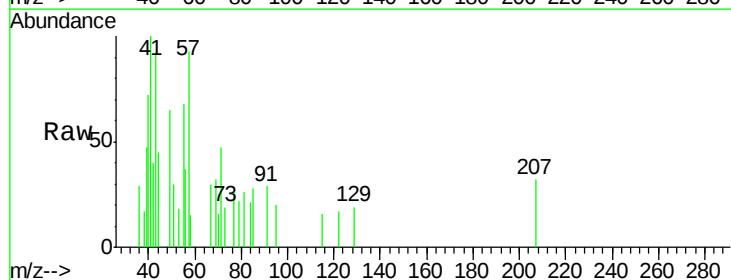
Instrument :
 BNA_M
 ClientSampleId :

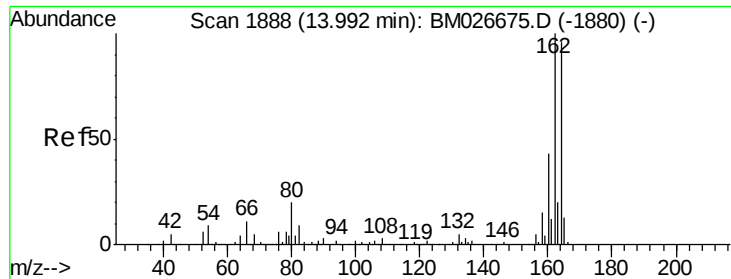
Tot Ion	82	Resp	155548
Ion Ratio	Lower	Upper	
82	100		
128	34.1	29.1	43.7
54	64.5	50.2	75.4



#32
 Benzoic acid
 Concen: 7.110 ng
 RT: 9.59 min Scan# 1165
 Delta R.T. 0.12 min
 Lab File: BM026860.D
 Acq: 23 Jul 2020 20:34

Tgt Ion	122	Resp	60
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
122	100		
105	0.0	120.9	160.9#
77	156.5	100.0	140.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.95 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BM026860.D

Acq: 23 Jul 2020 20:34

Instrument :

BNA_M

ClientSampled :

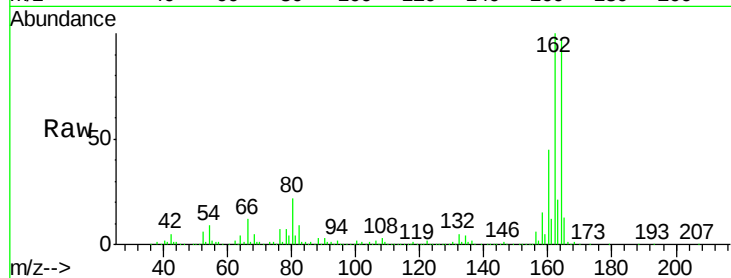
Tot Ion:164 Resp: 221329

Ion Ratio Lower Upper

164 100

162 102.6 83.7 125.5

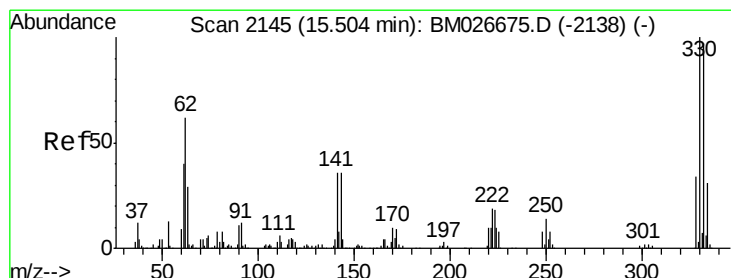
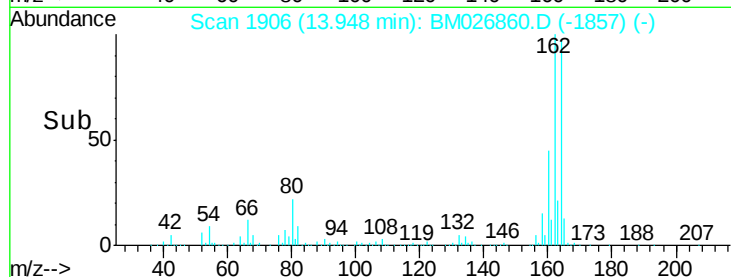
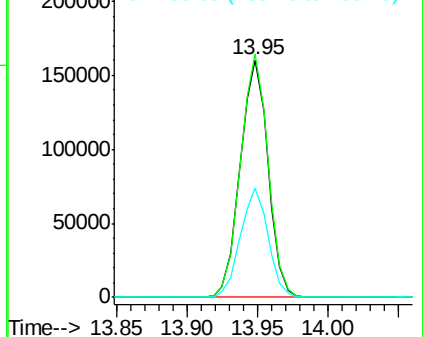
160 46.1 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 23.329 ng

RT: 15.46 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BM026860.D

Acq: 23 Jul 2020 20:34

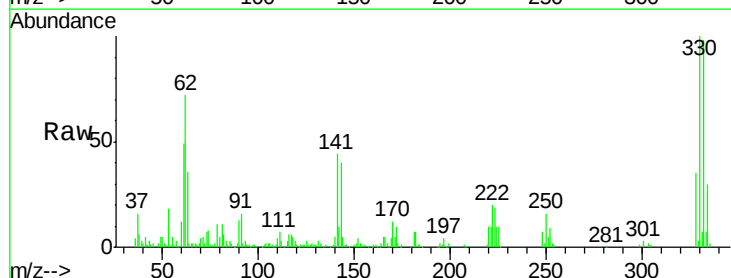
Tgt Ion:330 Resp: 75216

Ion Ratio Lower Upper

330 100

332 97.7 77.5 116.3

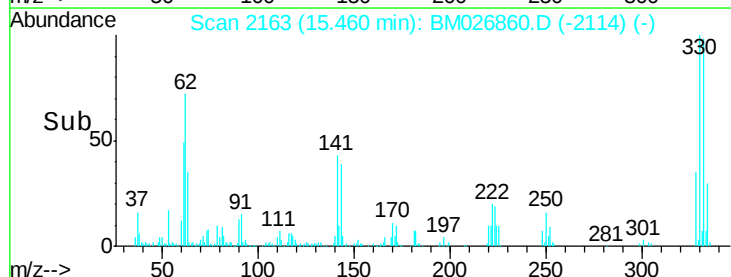
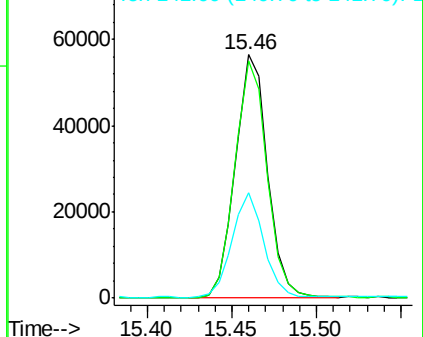
141 42.1 32.4 48.6

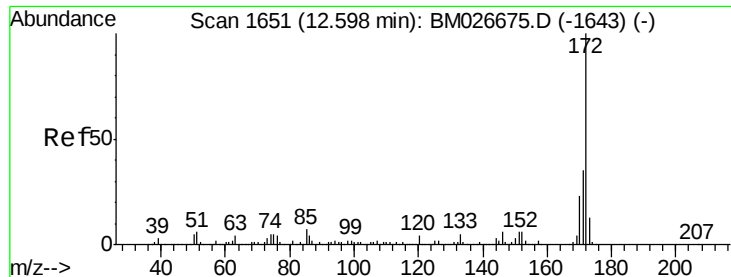


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

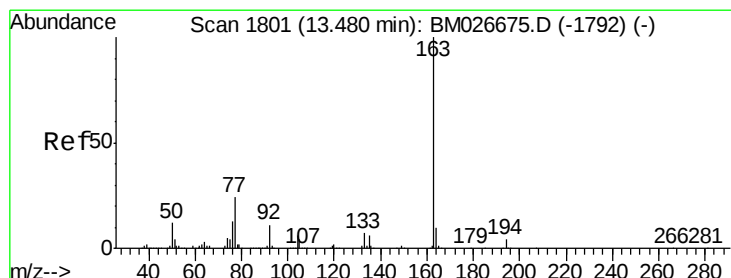
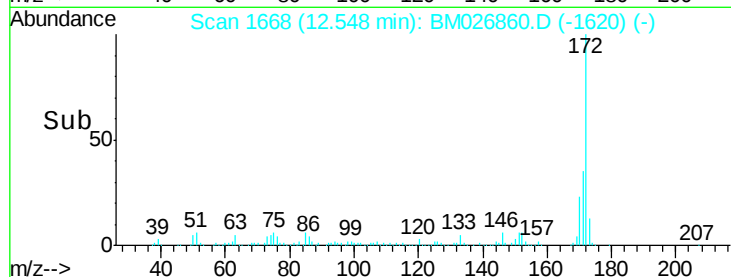
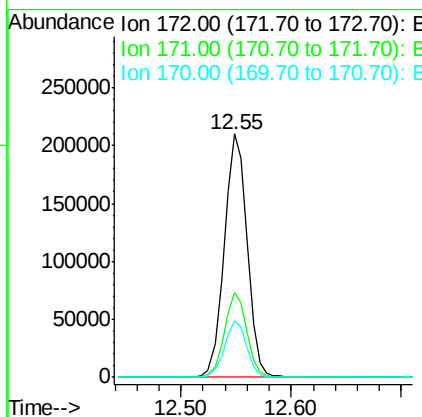
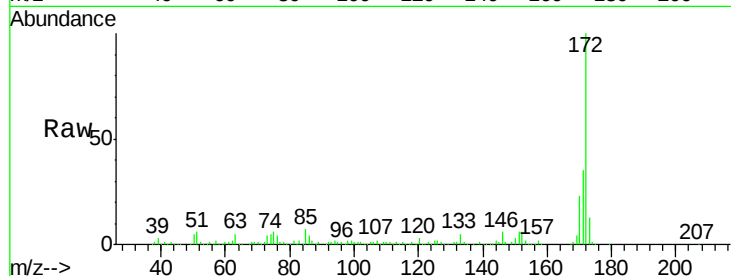




#45
2-Fluorobiphenyl
Concen: 18.285 ng
RT: 12.55 min Scan# 1668
Delta R.T. -0.02 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

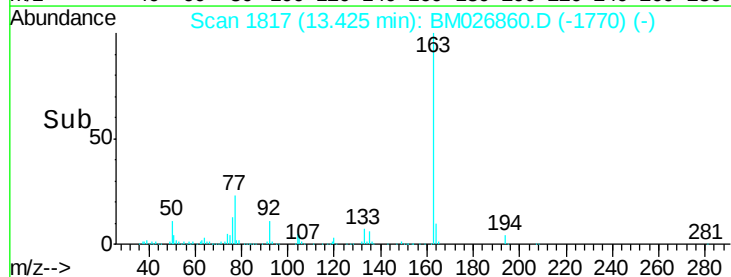
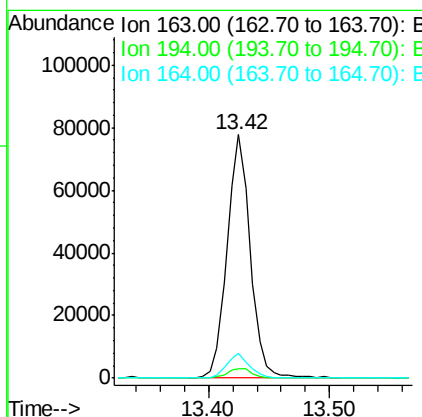
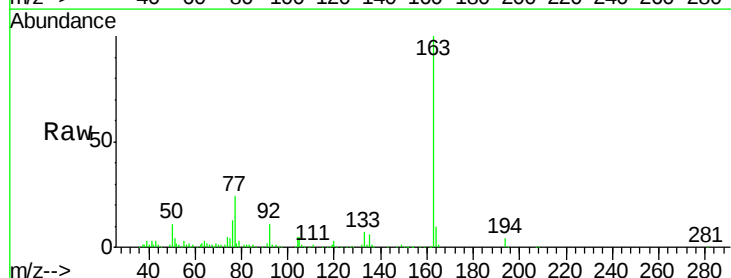
Instrument :
BNA_M
ClientSampleId :

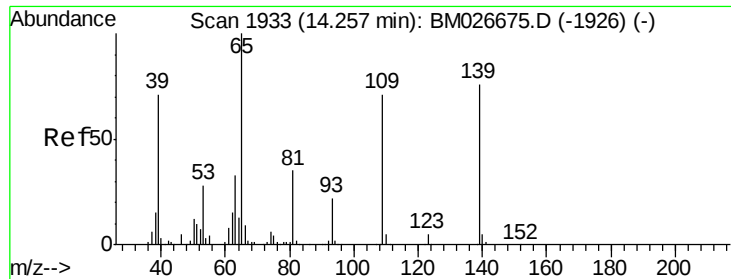
Tot Ion:172 Resp: 304363
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.2 18.5 27.7



#50
Dimethylphthalate
Concen: 5.486 ng
RT: 13.42 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

Tgt Ion:163 Resp: 103857
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 10.2 7.8 11.6

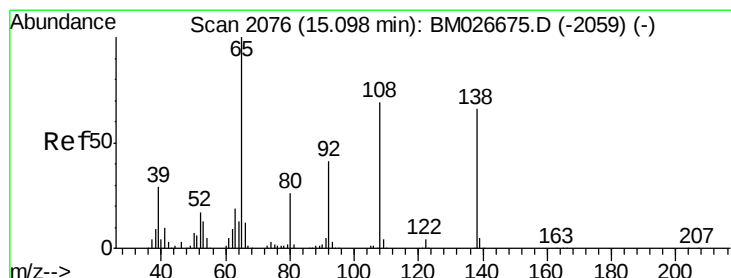
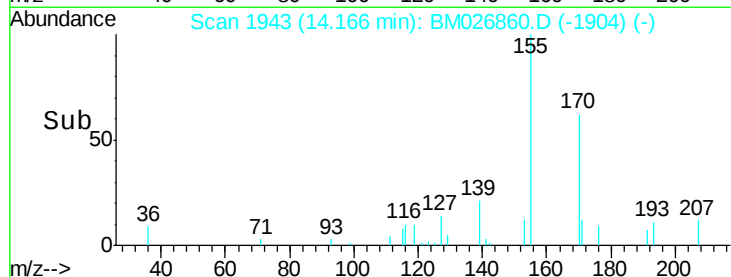
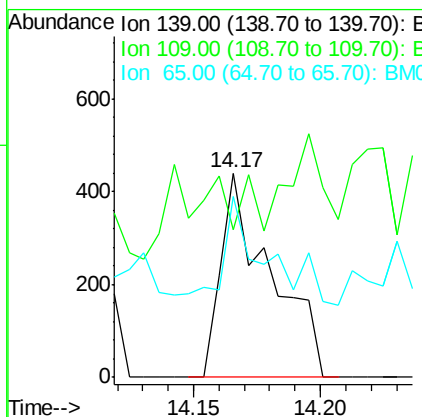
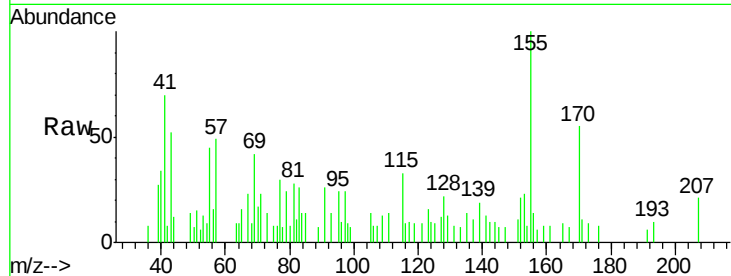




#56
4-Nitrophenol
Concen: 4.067 ng
RT: 14.17 min Scan# 1943
Delta R.T. -0.07 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

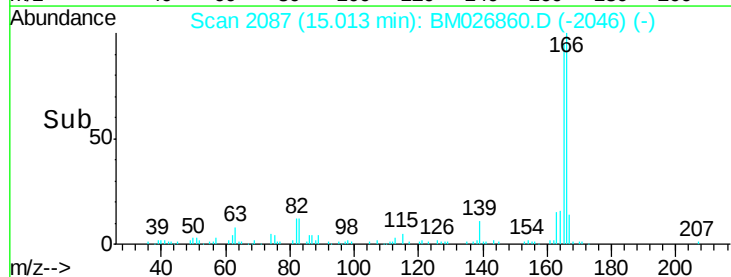
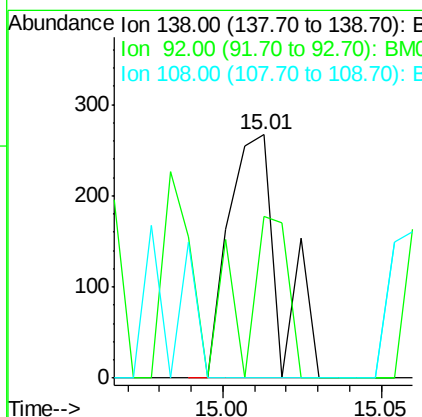
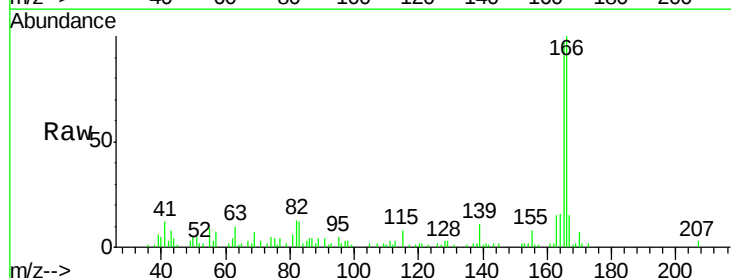
Instrument :
BNA_M
ClientSampled :

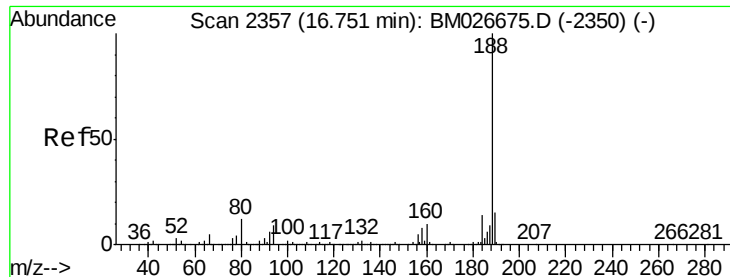
Tot Ion:139 Resp: 598
Ion Ratio Lower Upper
139 100
109 71.9 73.7 113.7#
65 88.7 111.5 151.5#



#62
4-Nitroaniline
Concen: 3.197 ng
RT: 15.01 min Scan# 2087
Delta R.T. -0.06 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

Tgt Ion:138 Resp: 296
Ion Ratio Lower Upper
138 100
92 66.3 41.5 81.5
108 0.0 84.8 124.8#

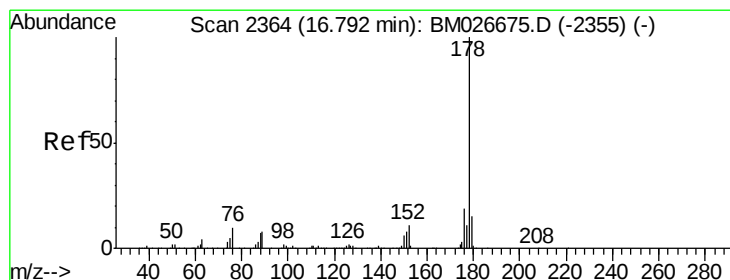
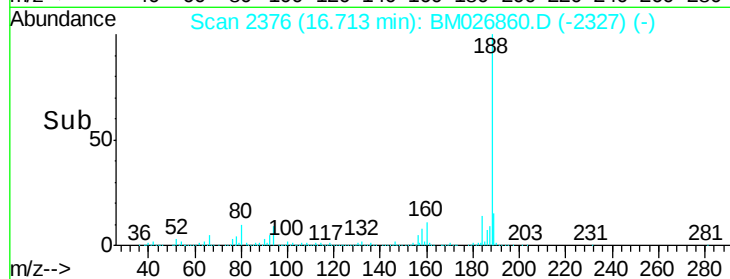
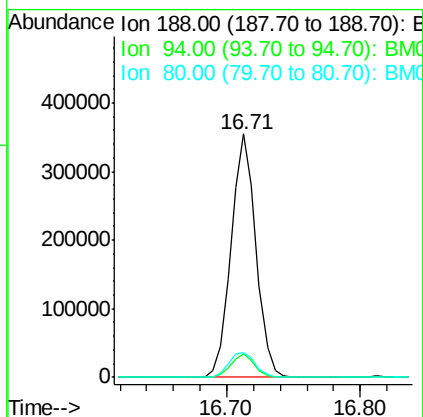
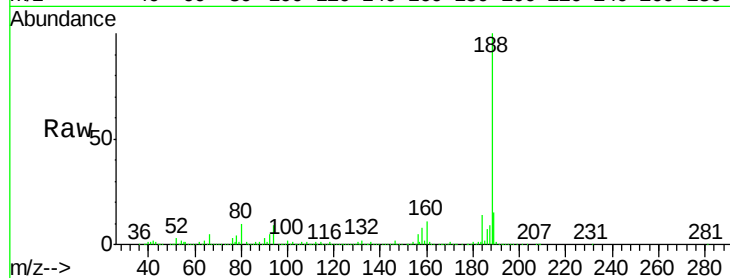




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.71 min Scan# 2376
Delta R.T. -0.01 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

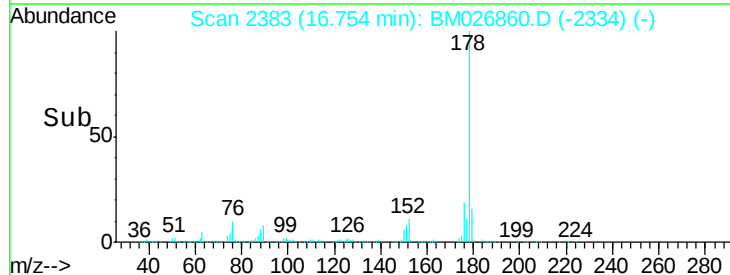
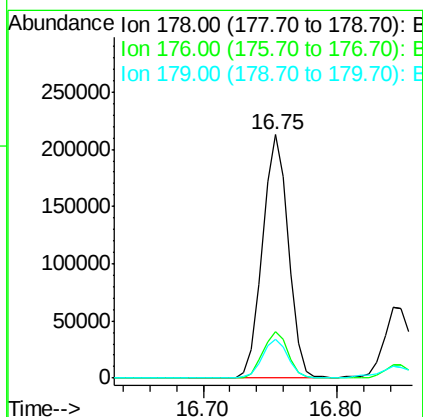
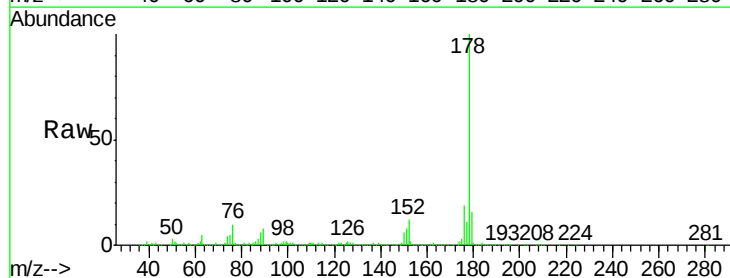
Instrument :
BNA_M
ClientSampleId :

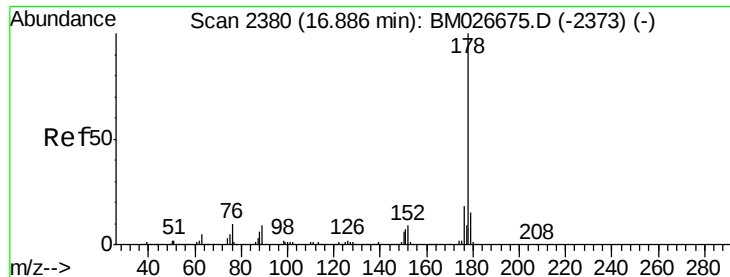
Tot Ion:188 Resp: 460690
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.0
80 10.3 9.3 13.9



#71
Phenanthrene
Concen: 10.445 ng
RT: 16.75 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

Tgt Ion:178 Resp: 284068
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.9 12.1 18.1





#72

Anthracene

Concen: 3.224 ng

RT: 16.84 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BM026860.D

Acq: 23 Jul 2020 20:34

Instrument :

BNA_M

ClientSampleId :

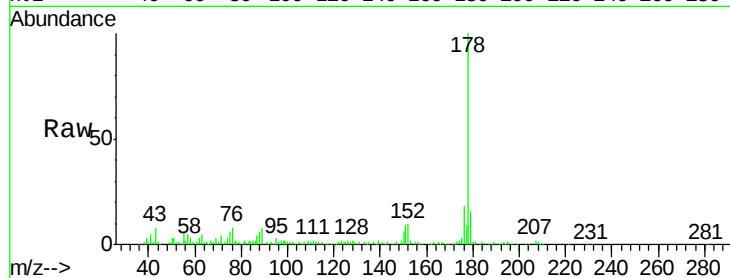
Tot Ion:178 Resp: 87298

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

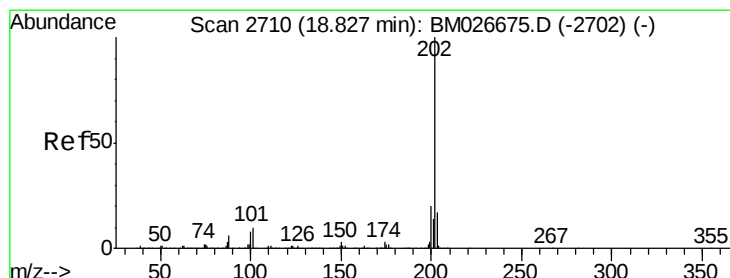
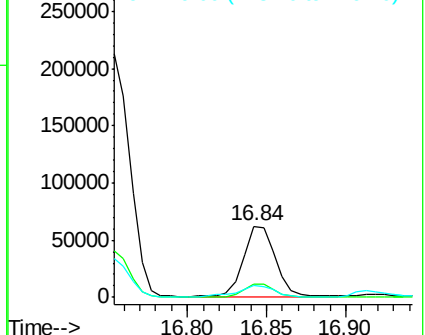
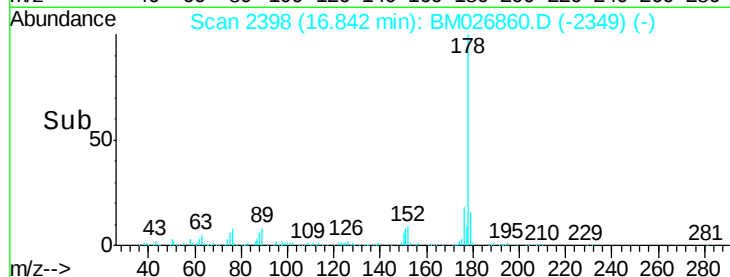
179 16.4 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 17.162 ng

RT: 18.79 min Scan# 2729

Delta R.T. -0.01 min

Lab File: BM026860.D

Acq: 23 Jul 2020 20:34

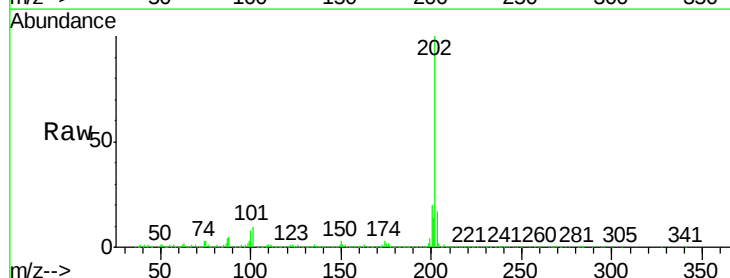
Tgt Ion:202 Resp: 574886

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.1

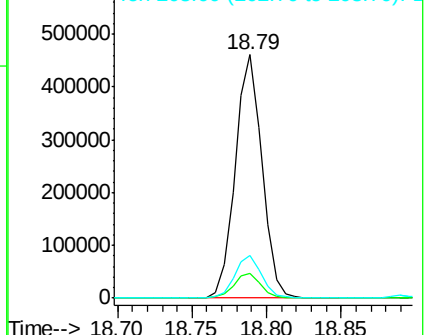
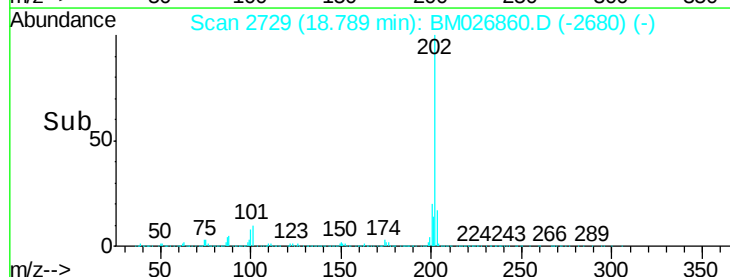
203 17.3 0.0 37.2

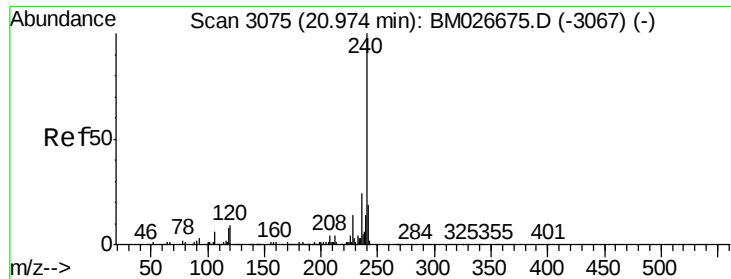


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

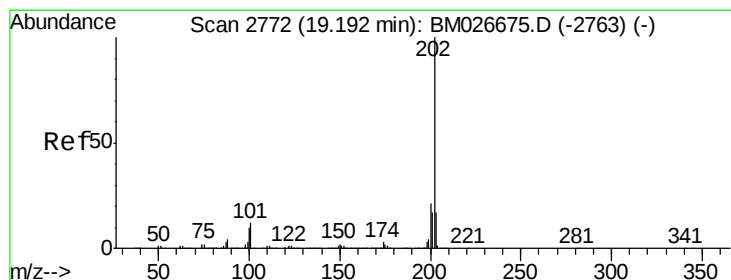
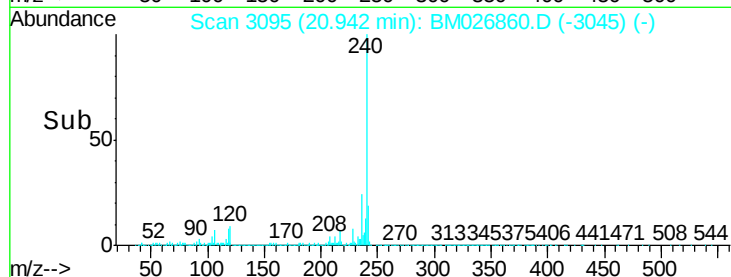
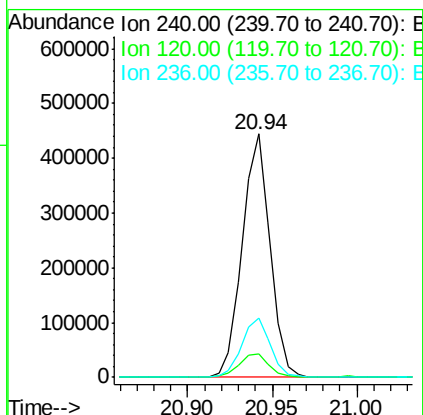
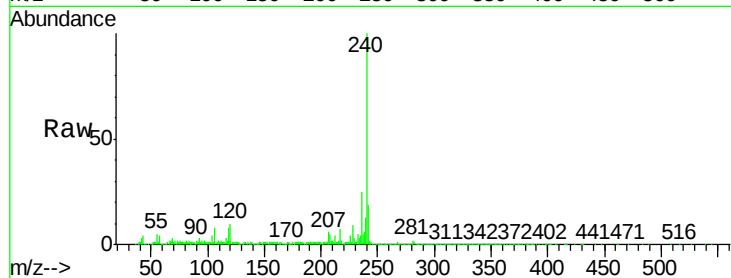




#76
Chrysene-d12
Concen: 20.000 ng
RT: 20.94 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

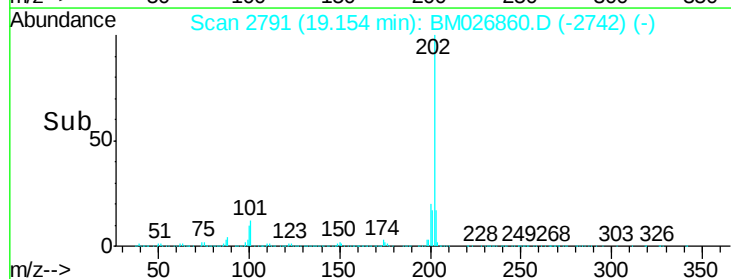
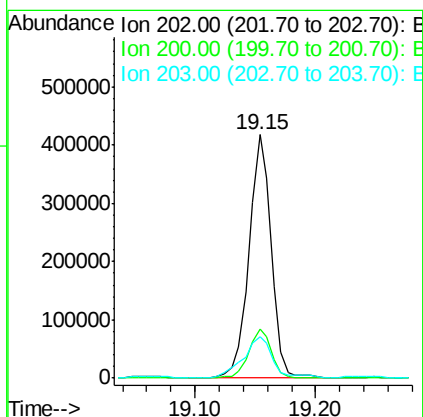
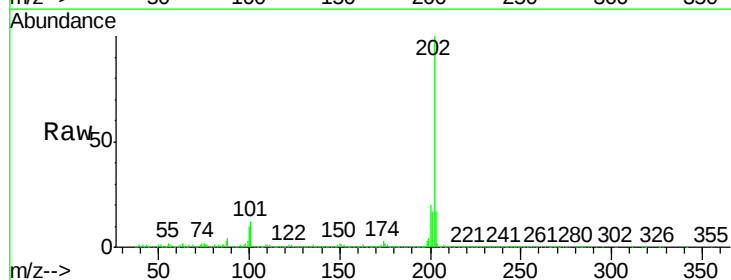
Instrument :
BNA_M
ClientSampleId :

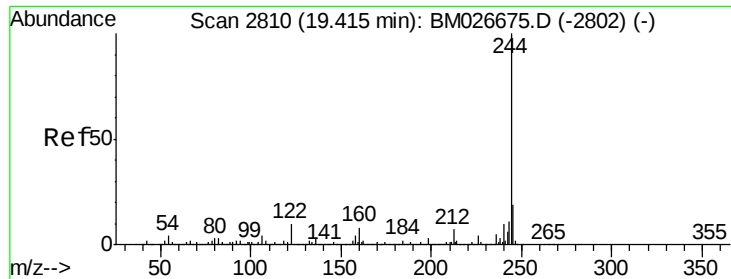
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.3	10.9
236	24.5	19.4	29.2



#78
Pyrene
Concen: 16.633 ng
RT: 19.15 min Scan# 2791
Delta R.T. -0.01 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	24.8
203	17.0	13.7	20.5

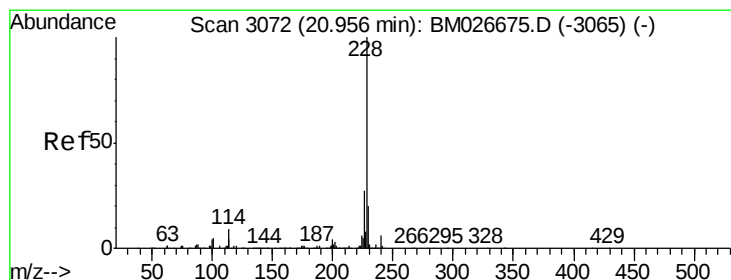
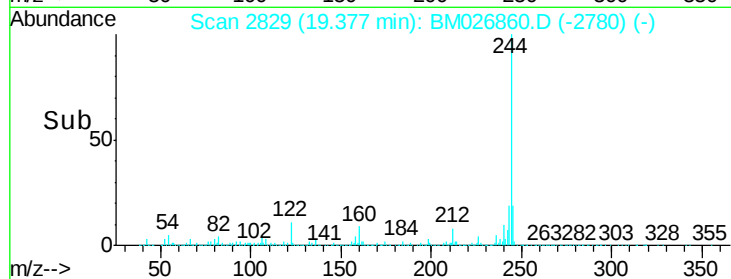
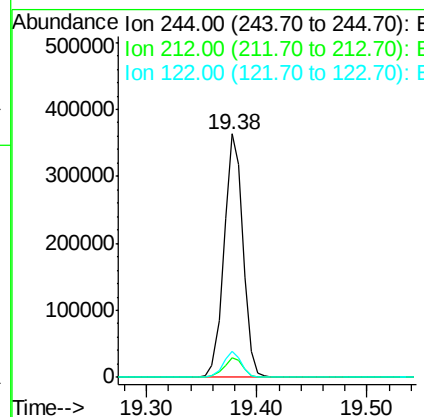
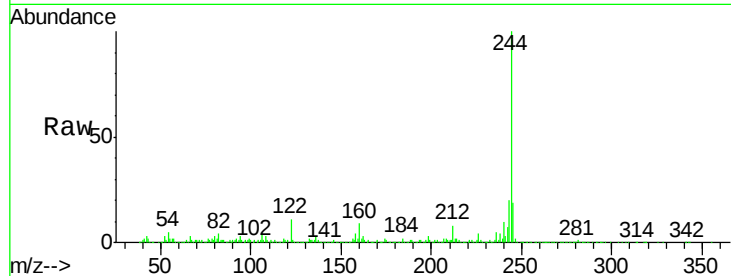




#79
 Terphenyl-d14
 Concen: 16.683 ng
 RT: 19.38 min Scan# 2829
 Delta R.T. -0.01 min
 Lab File: BM026860.D
 Acq: 23 Jul 2020 20:34

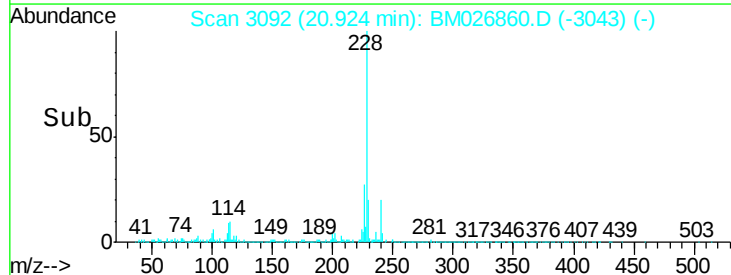
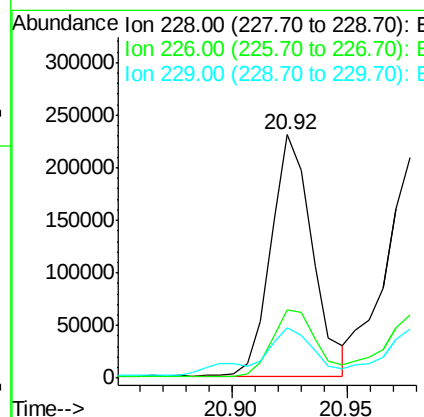
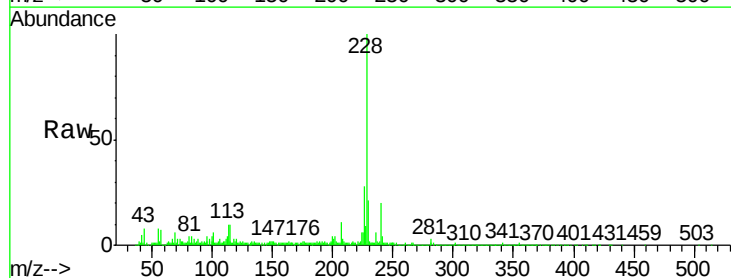
Instrument :
 BNA_M
 ClientSampled :

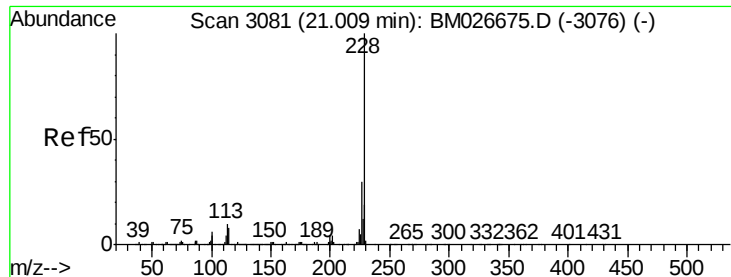
Tot Ion:244 Resp: 430850
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.9 8.9
 122 10.6 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 8.417 ng
 RT: 20.92 min Scan# 3092
 Delta R.T. -0.01 min
 Lab File: BM026860.D
 Acq: 23 Jul 2020 20:34

Tgt Ion:228 Resp: 287382
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.4 32.2
 229 20.7 15.6 23.4

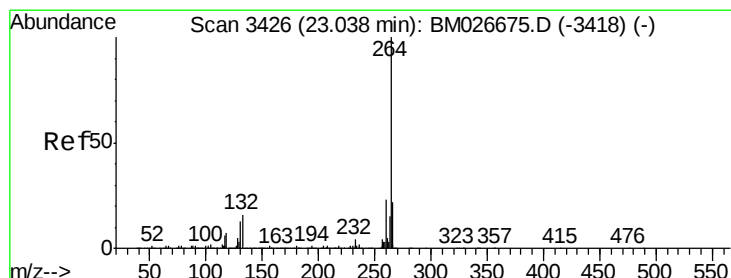
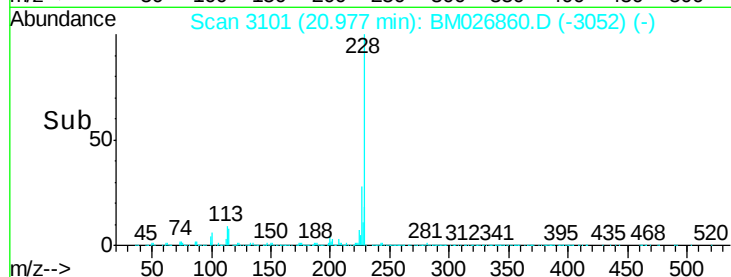
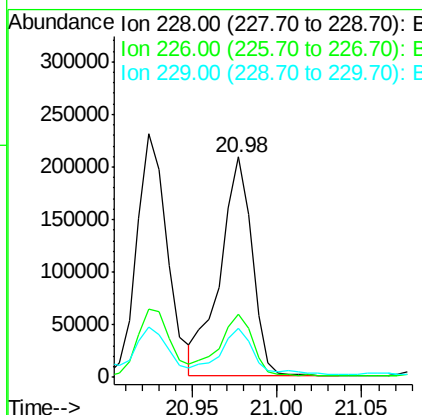
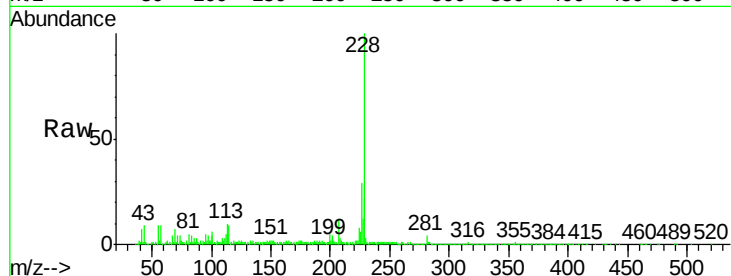




#83
Chrysene
Concen: 8.305 ng
RT: 20.98 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

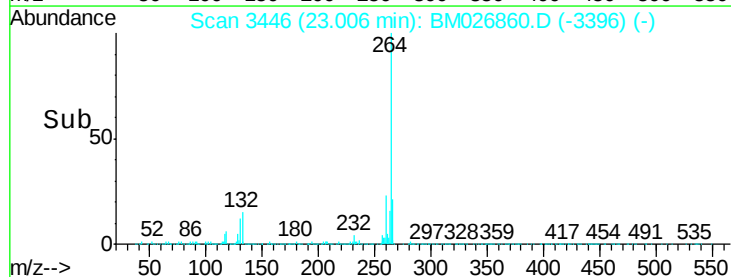
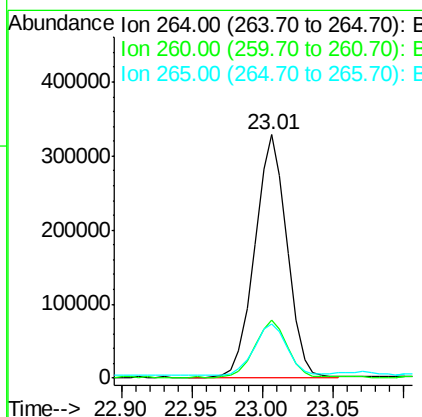
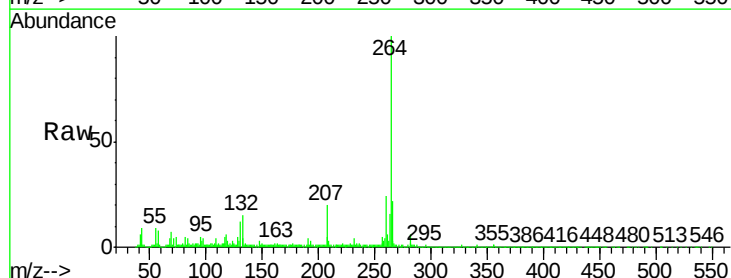
Instrument :
BNA_M
ClientSampleId :

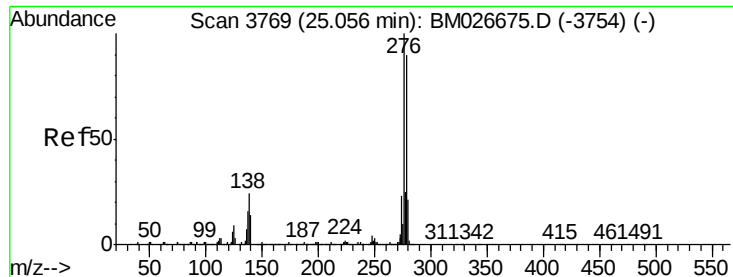
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	22.1	15.4	23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.01 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	22.1	17.6	26.4

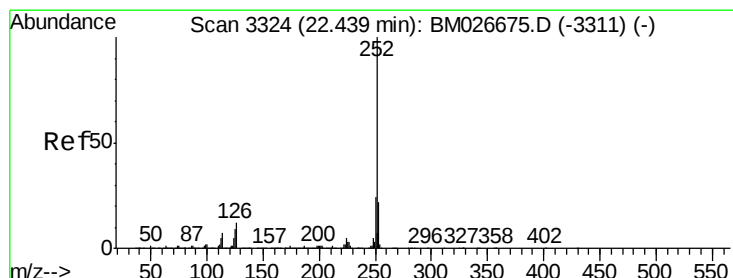
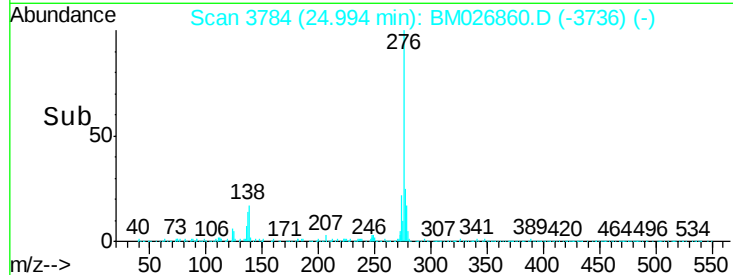
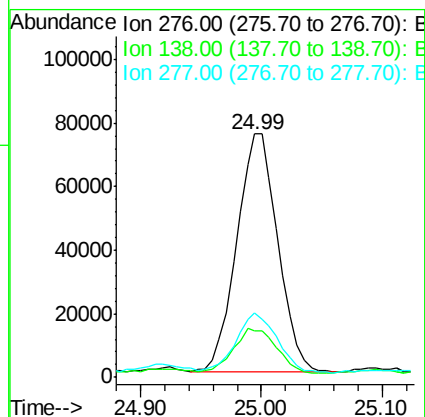
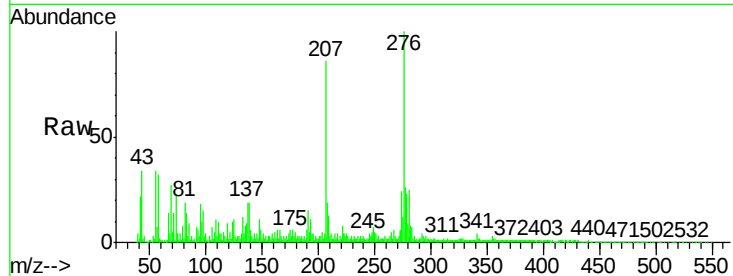




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.776 ng
 RT: 24.99 min Scan# 3784
 Delta R.T. -0.02 min
 Lab File: BM026860.D
 Acq: 23 Jul 2020 20:34

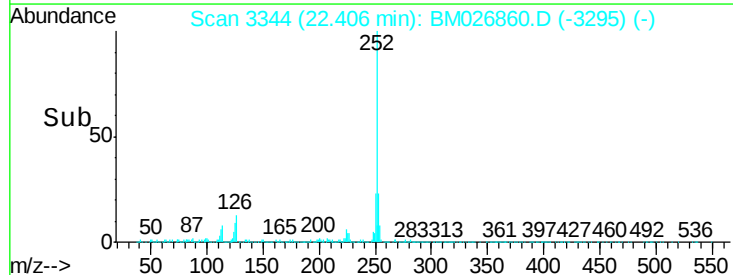
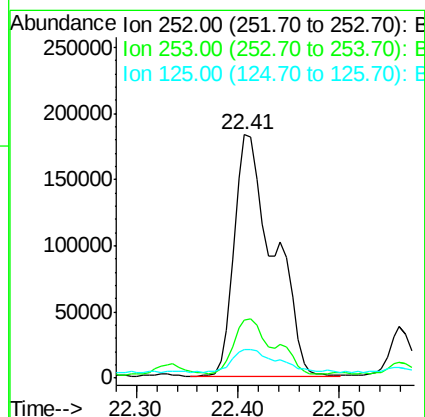
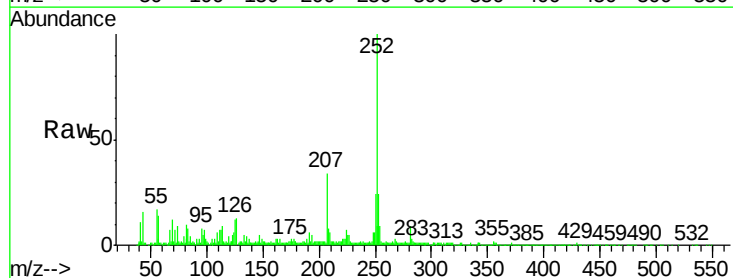
Instrument :
 BNA_M
 ClientSampleId :

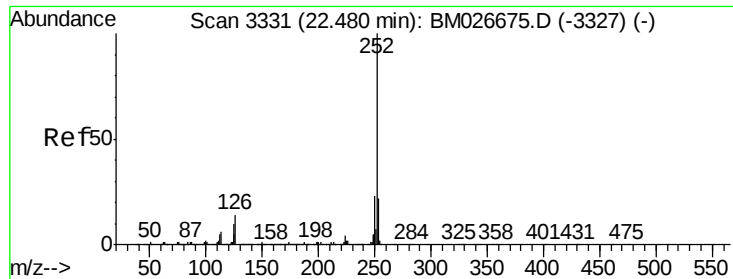
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.4	27.6
277	25.7	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 14.266 ng
 RT: 22.41 min Scan# 3344
 Delta R.T. -0.01 min
 Lab File: BM026860.D
 Acq: 23 Jul 2020 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	11.9	7.5	11.3

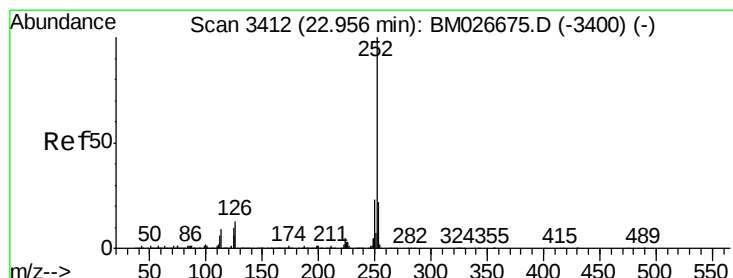
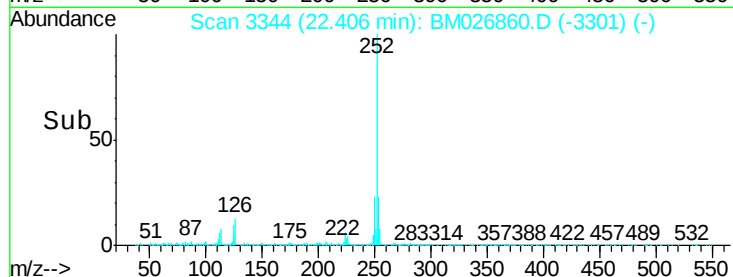
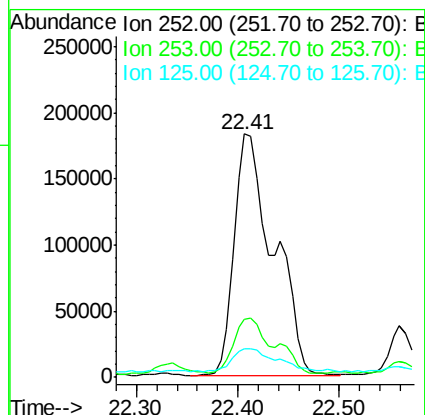
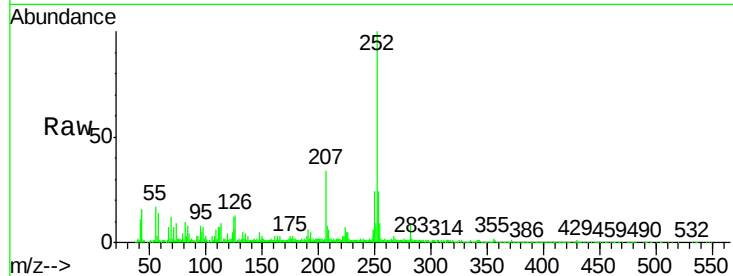




#89
Benzo(k)fluoranthene
Concen: 14.543 ng
RT: 22.41 min Scan# 3344
Delta R.T. -0.05 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

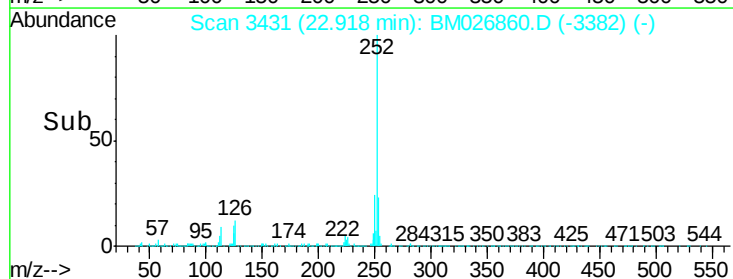
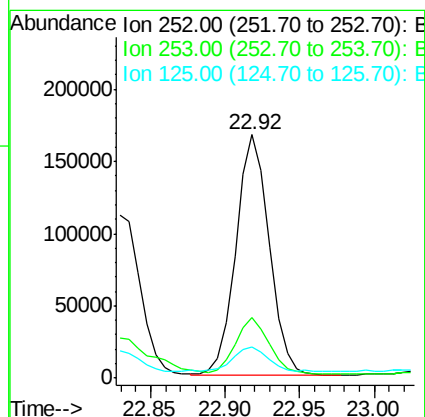
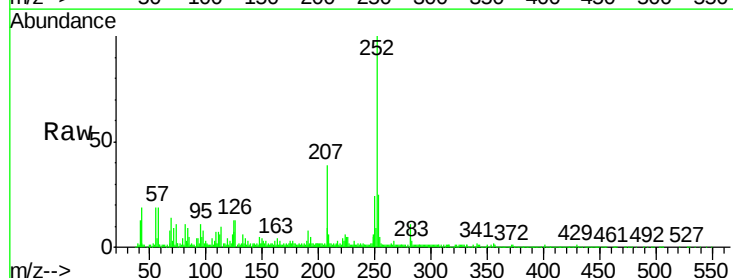
Instrument :
BNA_M
ClientSampled :

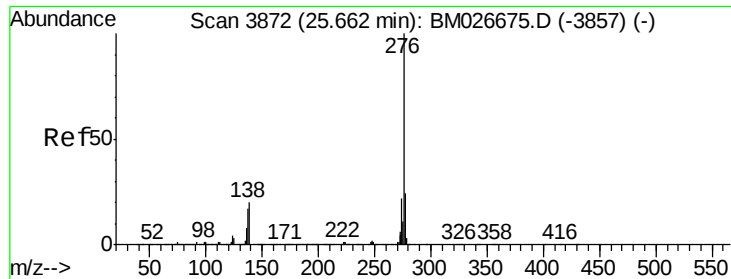
Tot Ion:252 Resp: 491633
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 11.9 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 8.122 ng
RT: 22.92 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM026860.D
Acq: 23 Jul 2020 20:34

Tgt Ion:252 Resp: 259848
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 12.8 8.2 12.4#





#92

Benzo(a,h,i)perylene

Concen: 6.187 ng

RT: 25.60 min Scan# 3887

Delta R.T. -0.01 min

Lab File: BM026860.D

Acq: 23 Jul 2020 20:34

Instrument :

BNA_M

ClientSampleId :

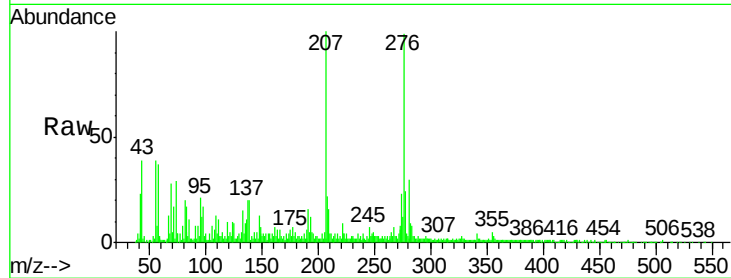
Tot Ion: 276 Resp: 179182

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 20.1 15.8 23.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

