

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072320\
 Data File : BM026859.D
 Acq On : 23 Jul 2020 19:58
 Operator : JU/CG
 Sample : L3379-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 24 01:37:23 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	89183	20.00	ng	-0.02
21) Naphthalene-d8	10.03	136	348712	20.00	ng	-0.02
39) Acenaphthene-d10	13.95	164	201273	20.00	ng	-0.01
64) Phenanthrene-d10	16.71	188	409931	20.00	ng	-0.01
76) Chrysene-d12	20.94	240	443596	20.00	ng	0.00
86) Perylene-d12	23.01	264	464282	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.93	112	82852	15.57	ng	-0.02
7) Phenol-d6	6.50	99	109472	12.91	ng	-0.01
23) Nitrobenzene-d5	8.43	82	75615	9.25	ng	-0.02
42) 2,4,6-Tribromophenol	15.46	330	37797	12.89	ng	-0.01
45) 2-Fluorobiphenyl	12.55	172	149300	9.86	ng	-0.02
79) Terphenyl-d14	19.38	244	205578	9.12	ng	-0.01

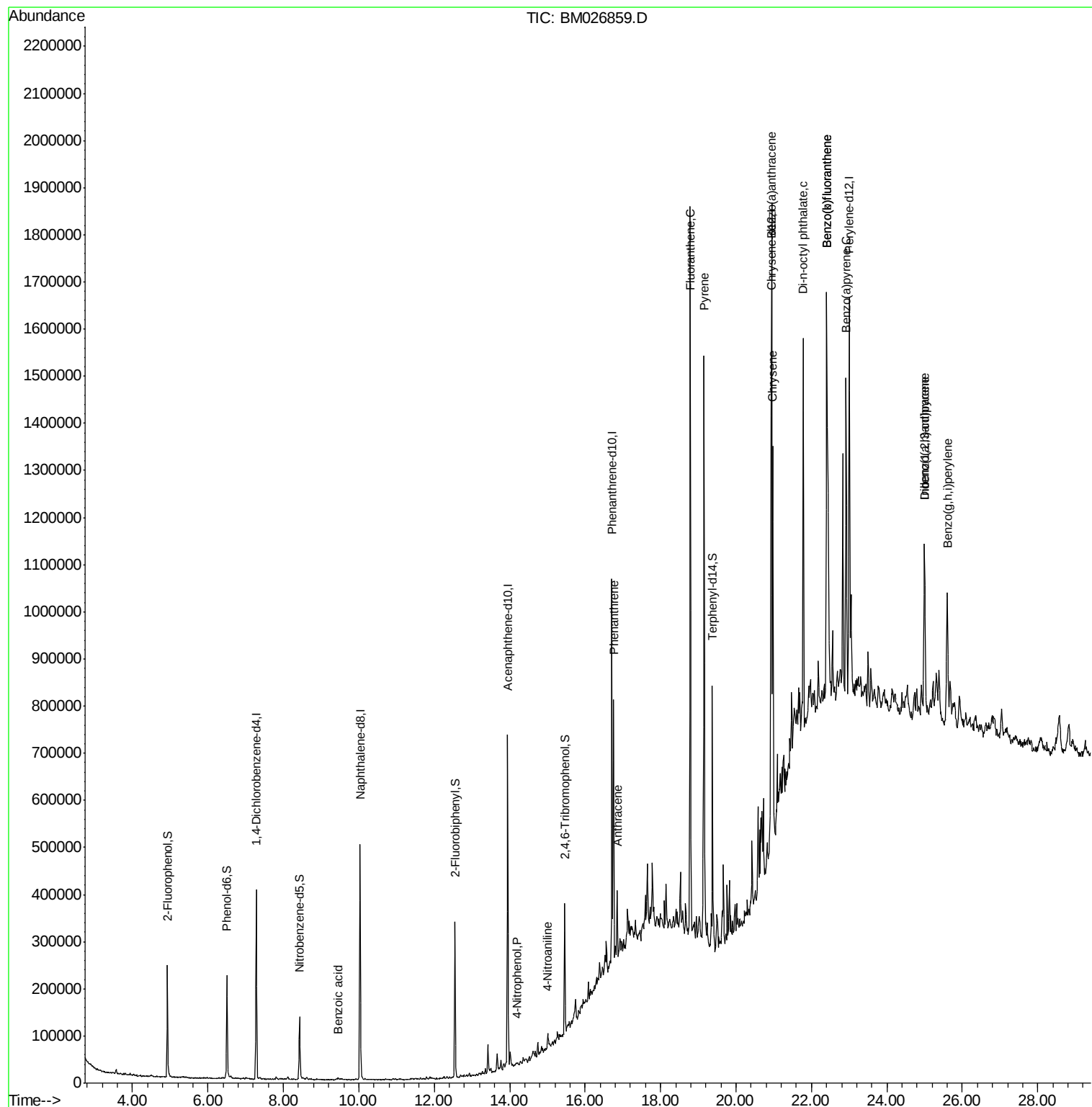
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.47	122	127	7.123	ng	91
56) 4-Nitrophenol	14.20	139	279	3.992	ng	# 1
62) 4-Nitroaniline	15.00	138	416	3.228	ng	98
71) Phenanthrene	16.75	178	281644	11.638	ng	100
72) Anthracene	16.85	178	73828	3.064	ng	97
75) Fluoranthene	18.79	202	834163	27.986	ng	99
78) Pyrene	19.15	202	707926	25.334	ng	99
81) Benzo(a)anthracene	20.92	228	432858	14.527	ng	98
83) Chrysene	20.98	228	432324	14.907	ng	97
85) Di-n-octyl phthalate	21.78	149	76978	2.242	ng	# 26
87) Indeno(1,2,3-cd)pyrene	24.99	276	287906	8.711	ng	96
88) Benzo(b)fluoranthene	22.41	252	810504	26.495	ng	98
89) Benzo(k)fluoranthene	22.41	252	810504	27.011	ng	98
90) Benzo(a)pyrene	22.92	252	397070	13.982	ng	98
91) Dibenzo(a,h)anthracene	24.99	278	74082	2.655	ng	# 83
92) Benzo(g,h,i)perylene	25.60	276	283689	11.035	ng	99

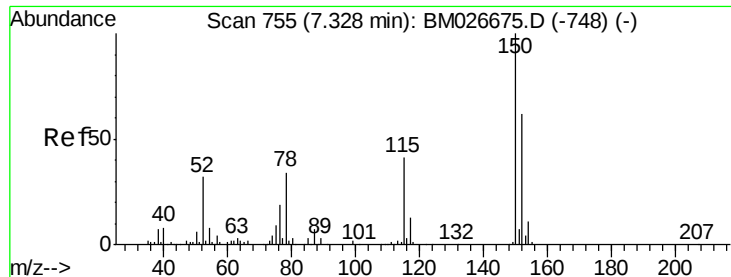
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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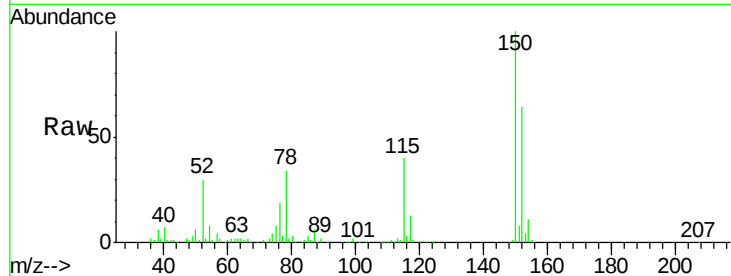


#1

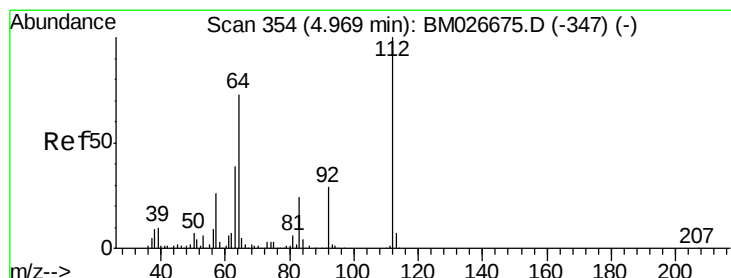
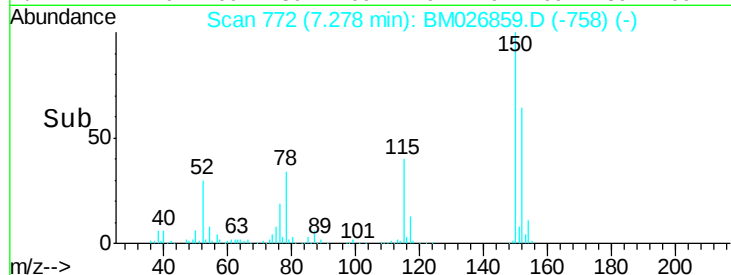
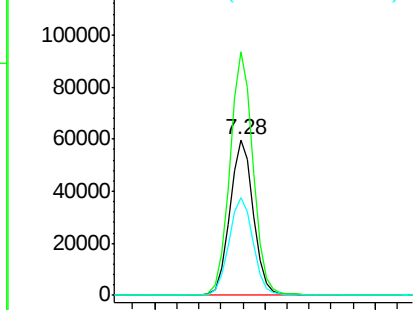
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.28 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 89183
Ion Ratio Lower Upper
152 100
150 156.7 128.1 192.1
115 63.3 52.2 78.4



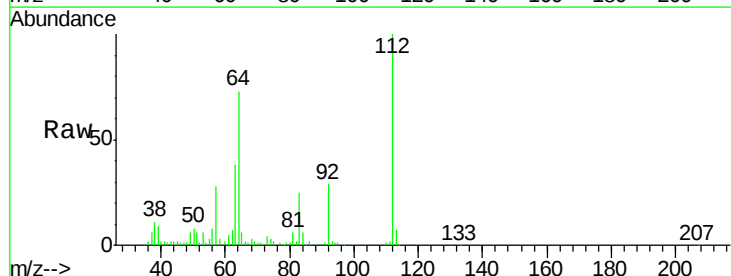
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



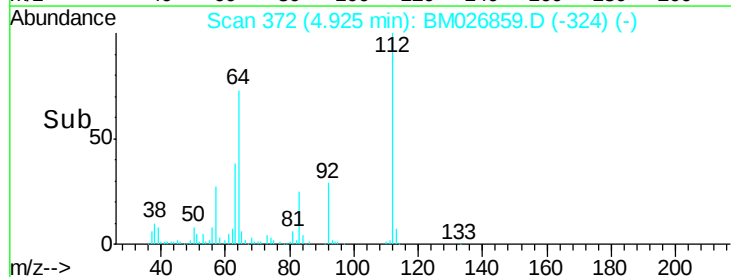
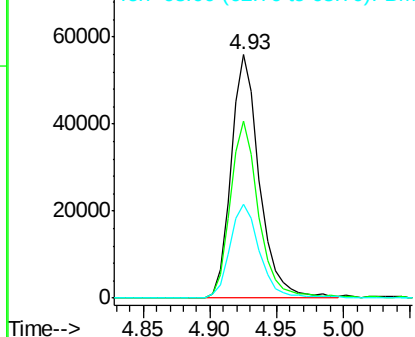
#5

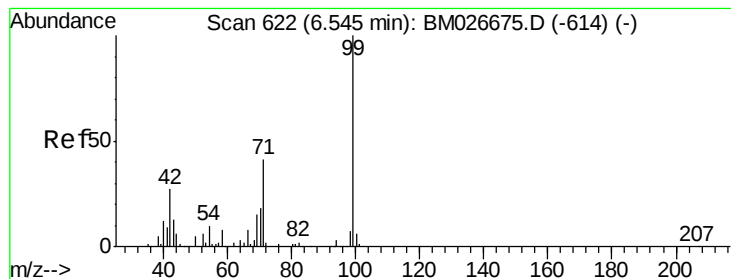
2-Fluorophenol
Concen: 15.571 ng
RT: 4.93 min Scan# 372
Delta R.T. -0.02 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

Tgt Ion:112 Resp: 82852
Ion Ratio Lower Upper
112 100
64 72.9 58.4 87.6
63 38.5 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: 12.913 ng

RT: 6.50 min Scan# 640

Delta R.T. -0.01 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

Instrument :

BNA_M

ClientSampled :

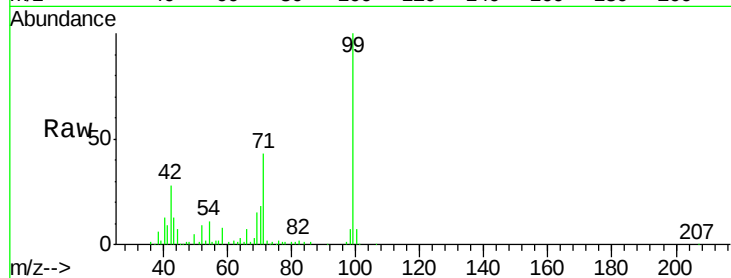
Tot Ion: 99 Resp: 109472

Ion Ratio Lower Upper

99 100

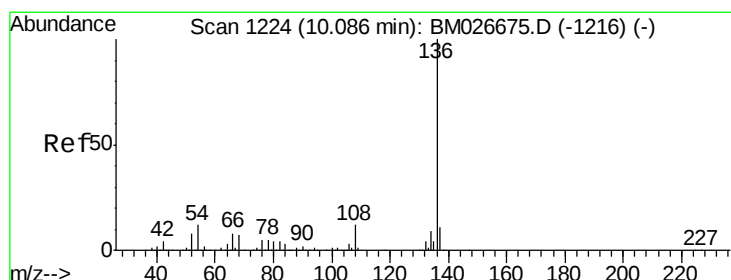
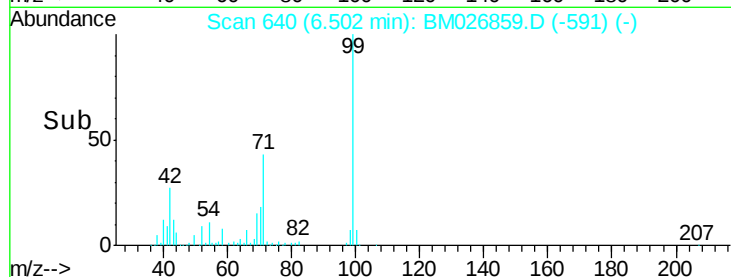
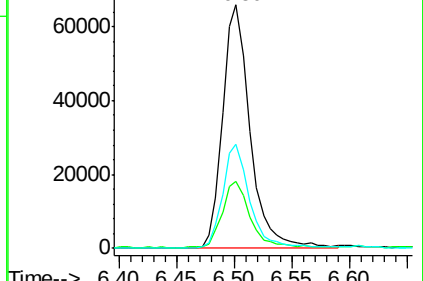
42 27.7 21.7 32.5

71 42.6 33.2 49.8



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

6.50



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.03 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

Tgt Ion: 136 Resp: 348712

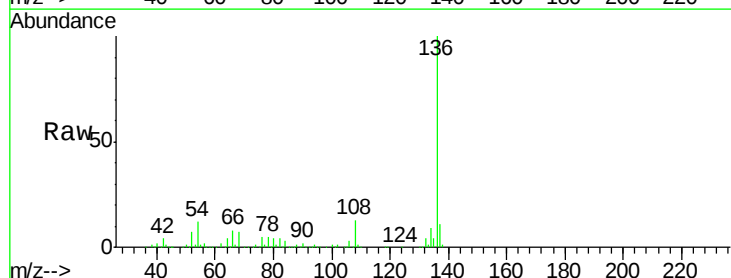
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

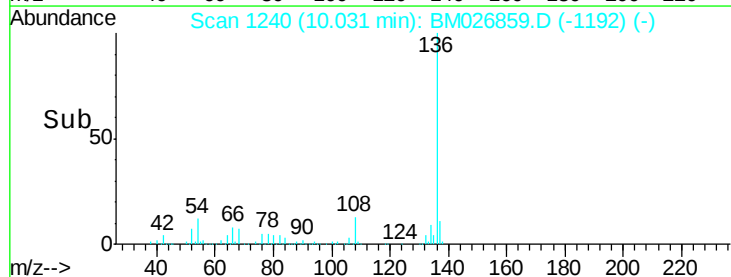
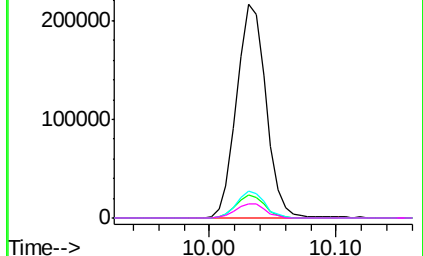
54 12.3 9.8 14.6

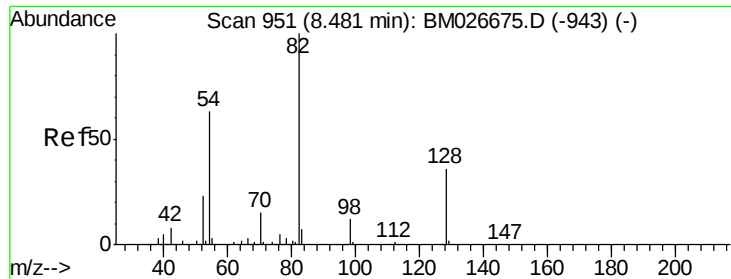
68 6.7 5.8 8.6



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

10.03

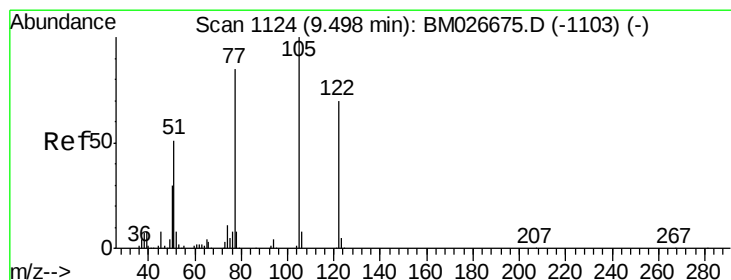
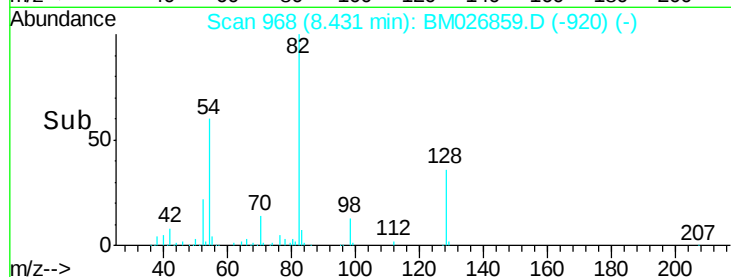
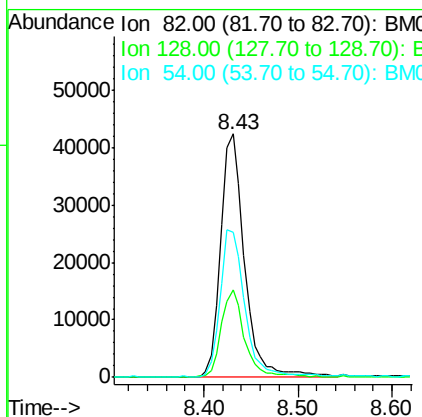
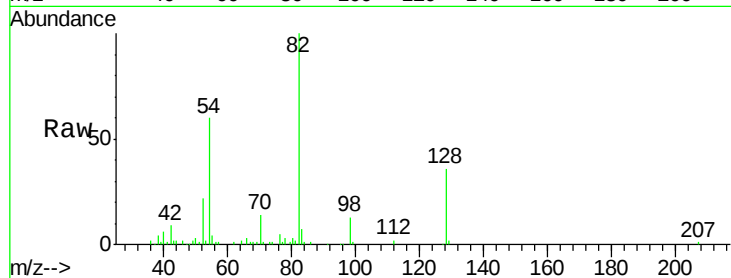




#23
 Nitrobenzene-d5
 Concen: 9.251 ng
 RT: 8.43 min Scan# 968
 Delta R.T. -0.02 min
 Lab File: BM026859.D
 Acq: 23 Jul 2020 19:58

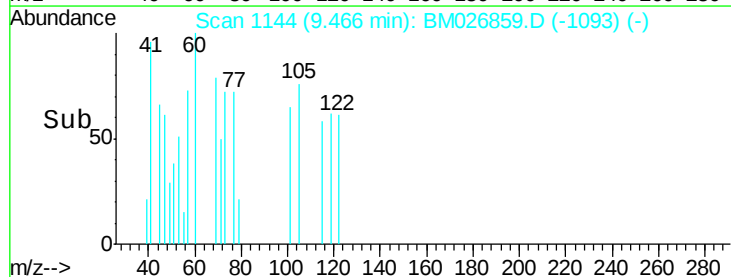
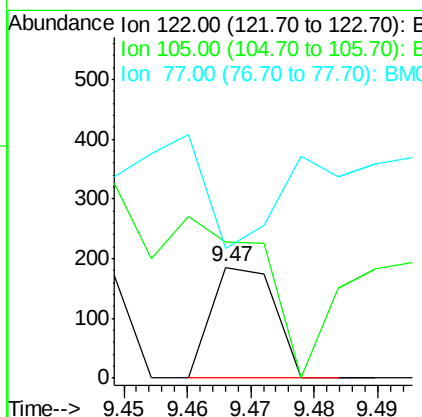
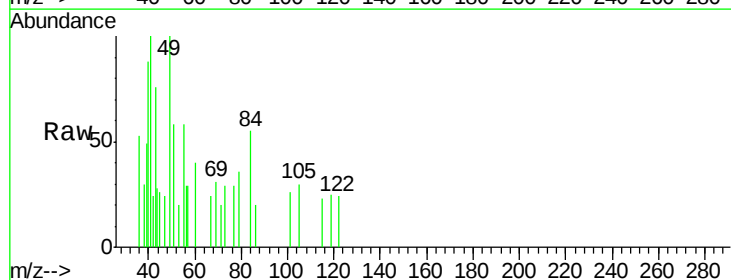
Instrument :
 BNA_M
 ClientSampleId :

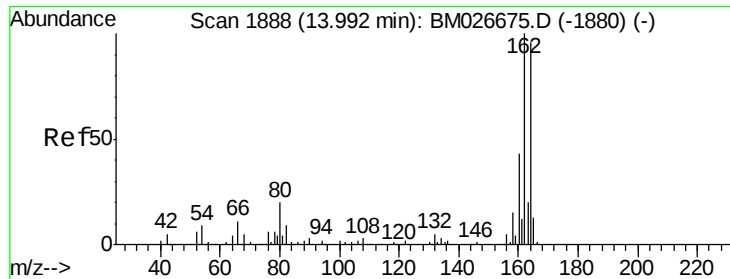
Tot Ion	82	Resp	75615
Ion Ratio	100	Lower	Upper
128	36.2	29.1	43.7
54	59.7	50.2	75.4



#32
 Benzoic acid
 Concen: 7.123 ng
 RT: 9.47 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: BM026859.D
 Acq: 23 Jul 2020 19:58

Tgt Ion	122	Resp	127
Ion Ratio	100	Lower	Upper
105	123.1	120.9	160.9
77	117.2	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: BM026859.D

Acq: 23 Jul 2020 19:58

Instrument :

BNA_M

ClientSampled :

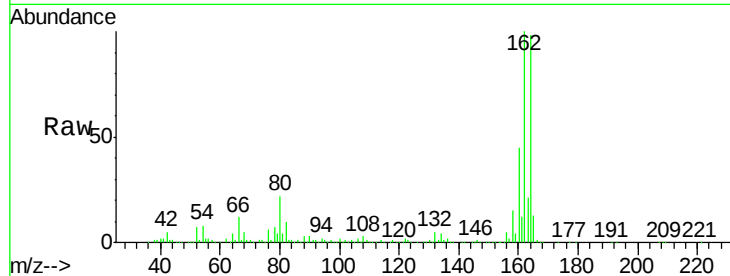
Tot Ion:164 Resp: 201273

Ion Ratio Lower Upper

164 100

162 102.5 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

13.95

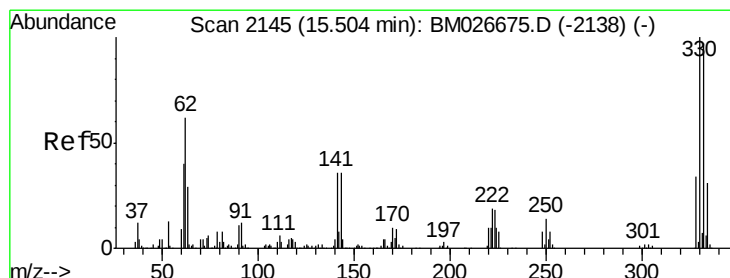
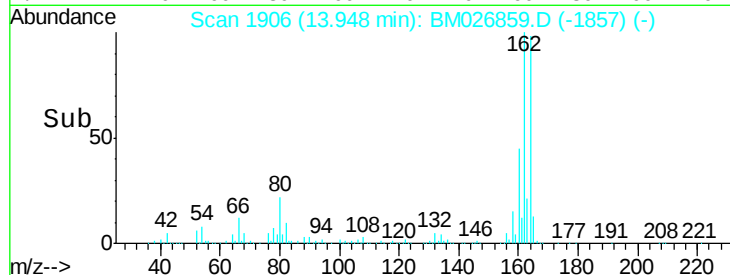
150000

100000

50000

0

Time-->



#42

2,4,6-Tribromophenol

Concen: 12.892 ng

RT: 15.46 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

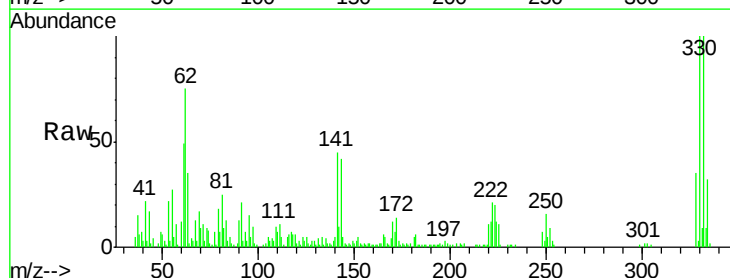
Tgt Ion:330 Resp: 37797

Ion Ratio Lower Upper

330 100

332 98.3 77.5 116.3

141 42.0 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

15.46

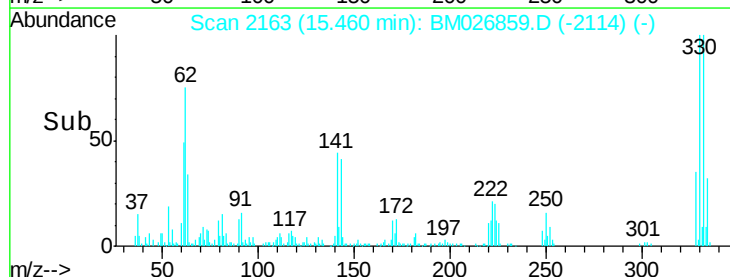
30000

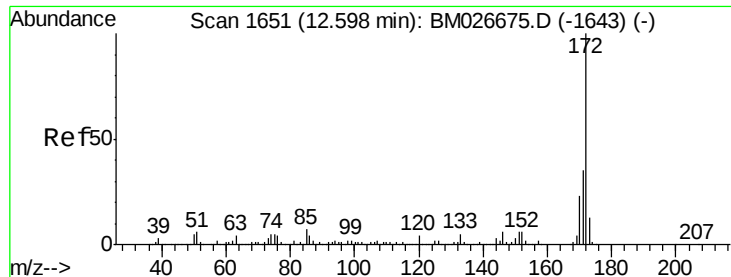
20000

10000

0

Time-->

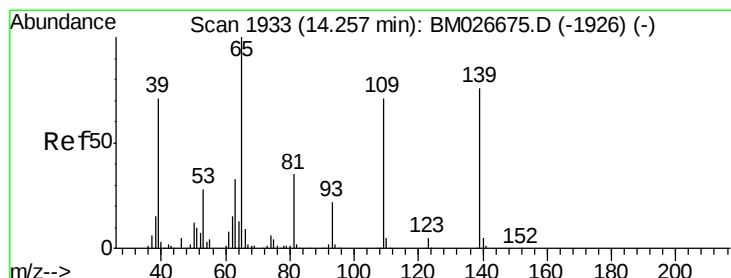
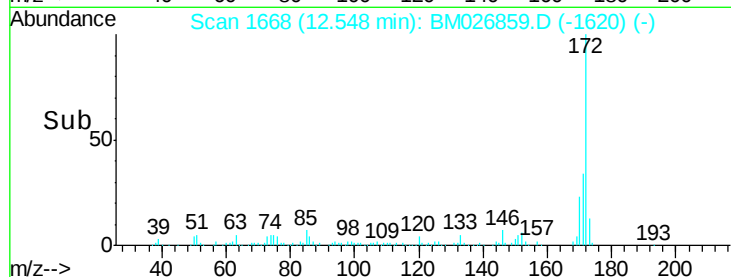
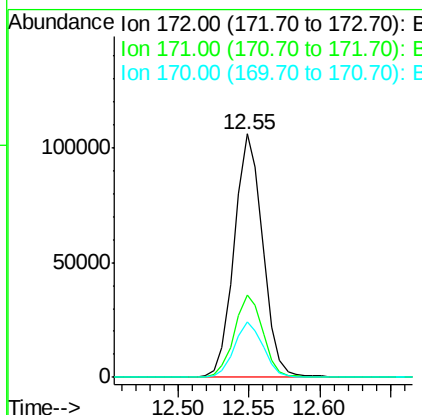
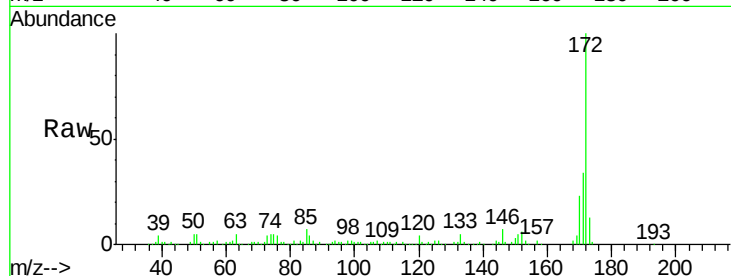




#45
2-Fluorobiphenyl
Concen: 9.863 ng
RT: 12.55 min Scan# 1668
Delta R.T. -0.02 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

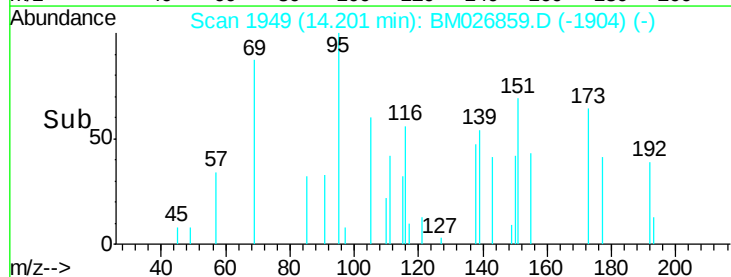
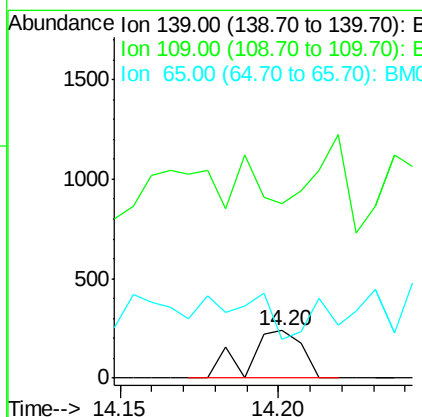
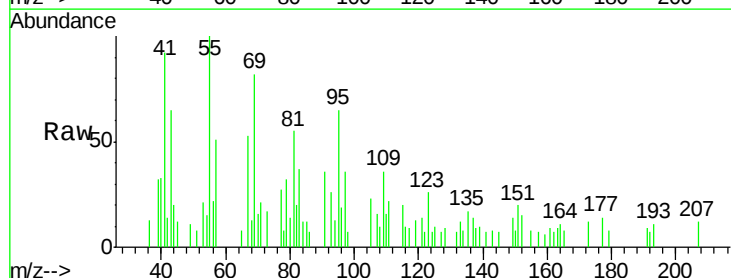
Instrument :
BNA_M
ClientSampleId :

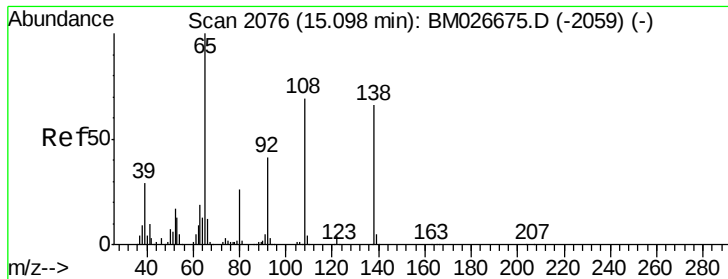
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.8	41.6
170	22.6	18.5	27.7



#56
4-Nitrophenol
Concen: 3.992 ng
RT: 14.20 min Scan# 1949
Delta R.T. -0.03 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	366.9	73.7	113.7#
65	80.8	111.5	151.5#





#62

4-Nitroaniline

Concen: 3.228 ng

RT: 15.00 min Scan# 2085

Delta R.T. -0.07 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

Instrument :

BNA_M

ClientSampled :

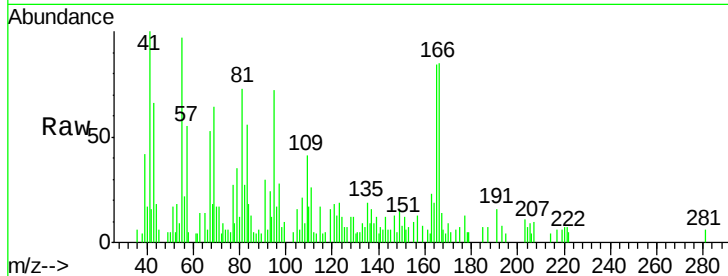
Tot Ion:138 Resp: 416

Ion Ratio Lower Upper

138 100

92 60.0 41.5 81.5

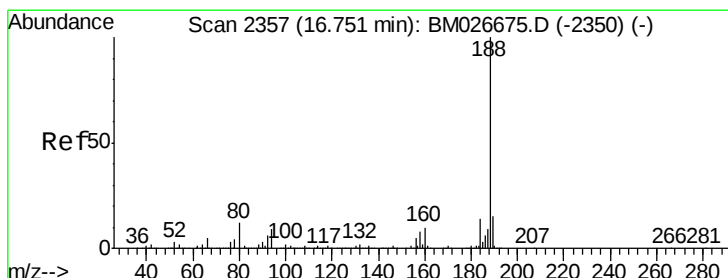
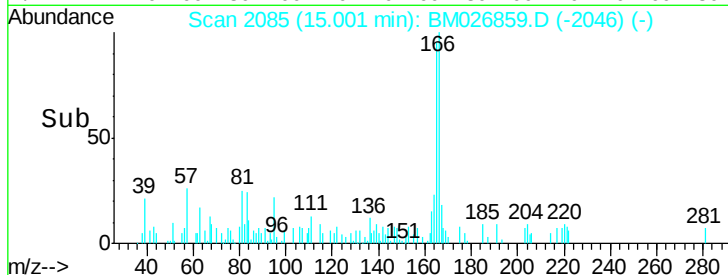
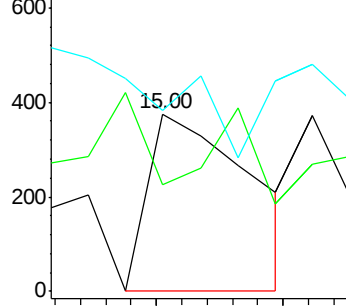
108 102.1 84.8 124.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.71 min Scan# 2376

Delta R.T. -0.01 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

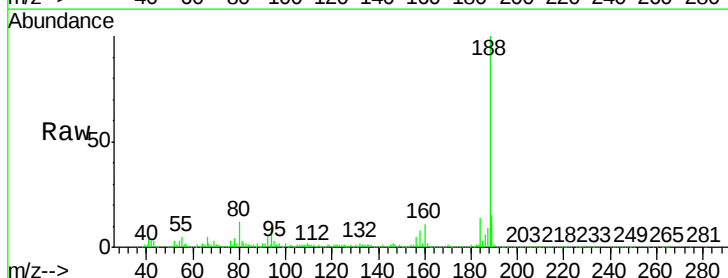
Tgt Ion:188 Resp: 409931

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.0

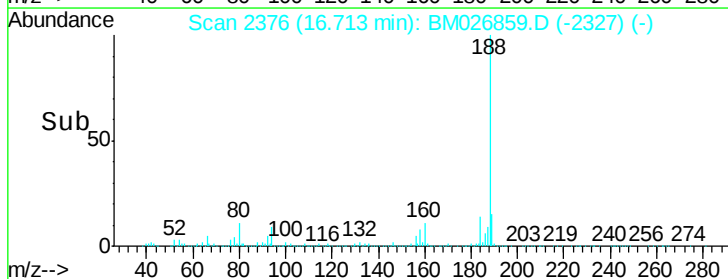
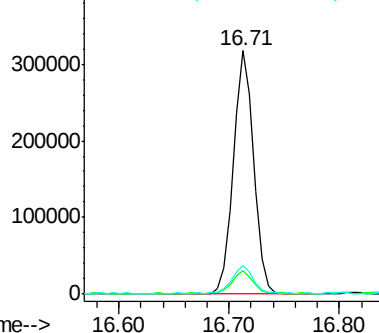
80 11.5 9.3 13.9

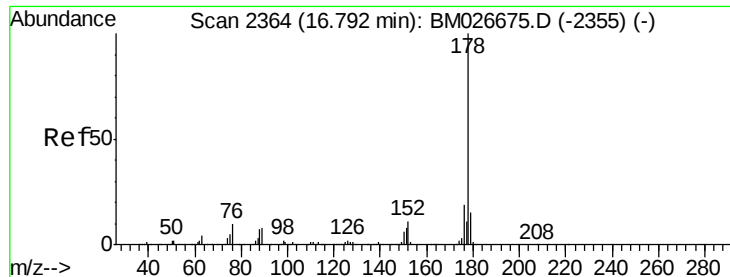


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

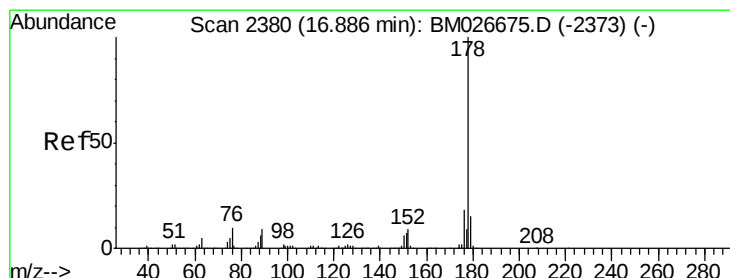
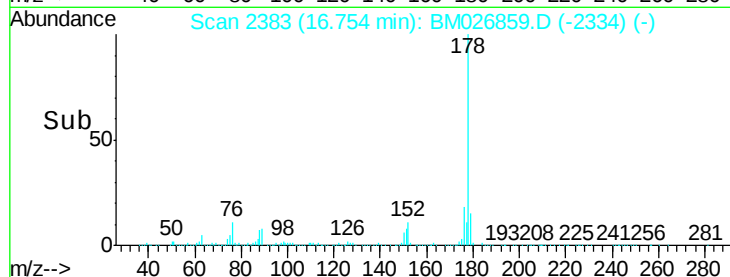
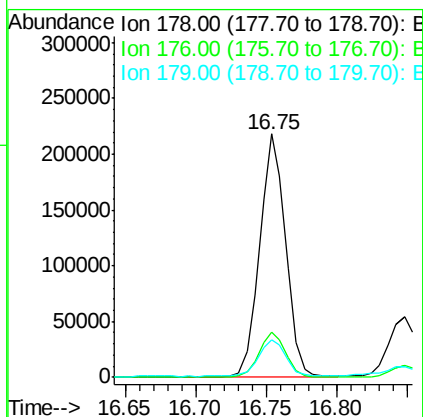
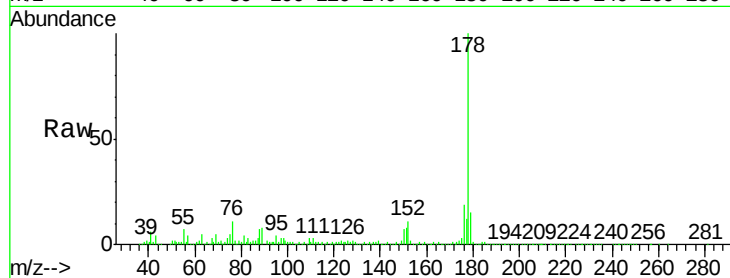




#71
Phenanthrene
Concen: 11.638 ng
RT: 16.75 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

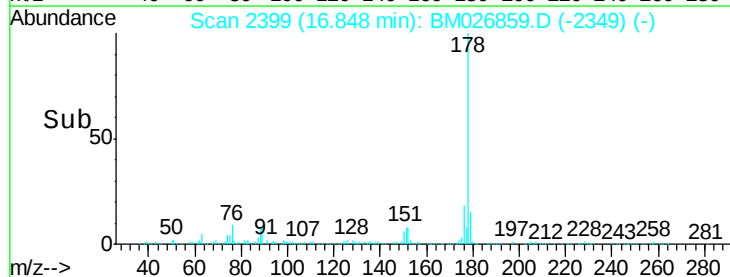
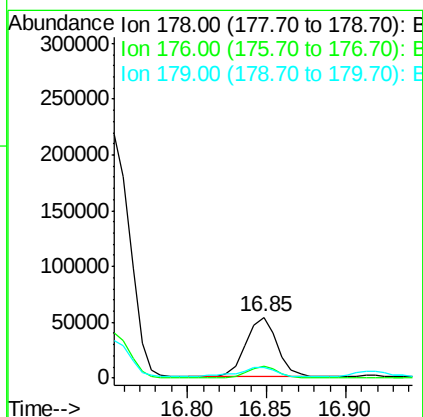
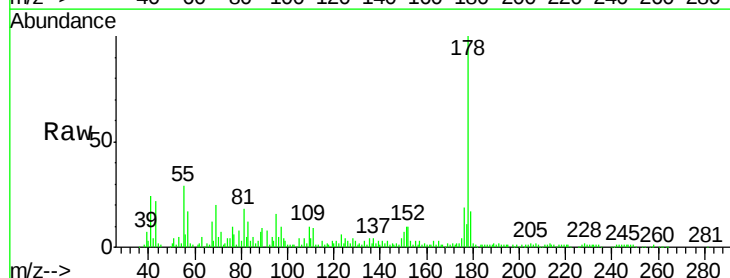
Instrument :
BNA_M
ClientSampled :

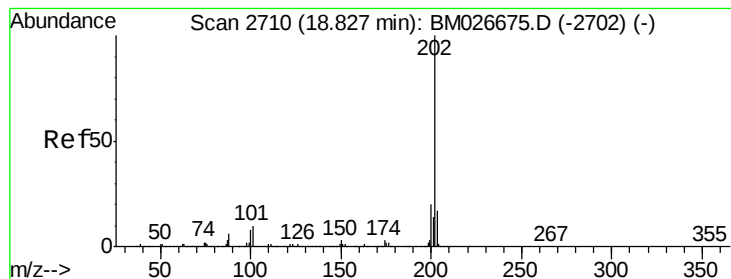
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.2	12.1	18.1



#72
Anthracene
Concen: 3.064 ng
RT: 16.85 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	17.4	12.1	18.1





#75

Fluoranthene

Concen: 27.986 ng

RT: 18.79 min Scan# 2729

Delta R.T. -0.01 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

Instrument :

BNA_M

ClientSampleId :

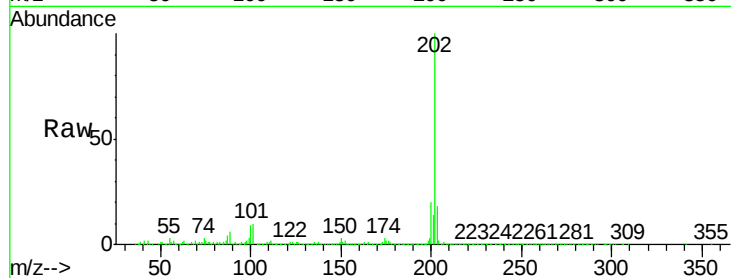
Tot Ion:202 Resp: 834163

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.1

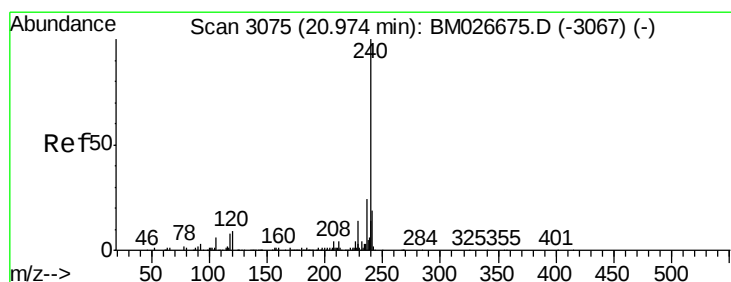
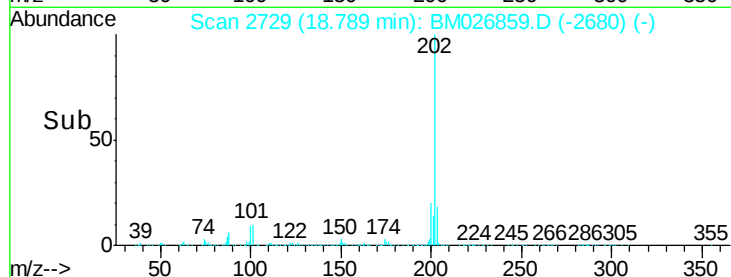
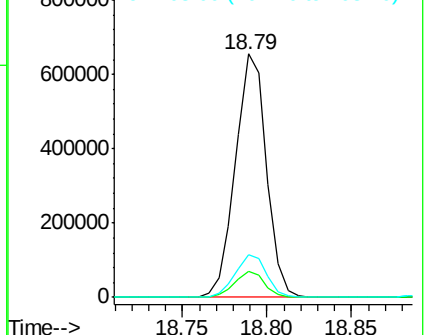
203 17.7 0.0 37.2



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: BM026859.D

Acq: 23 Jul 2020 19:58

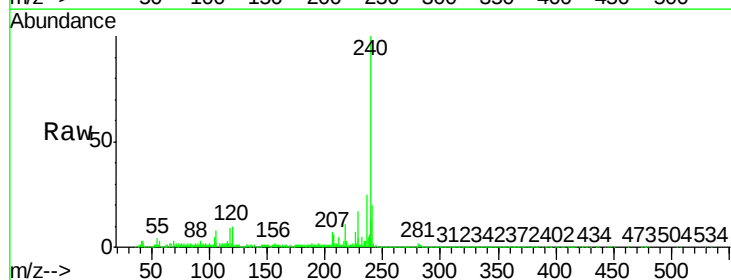
Tgt Ion:240 Resp: 443596

Ion Ratio Lower Upper

240 100

120 10.1 7.3 10.9

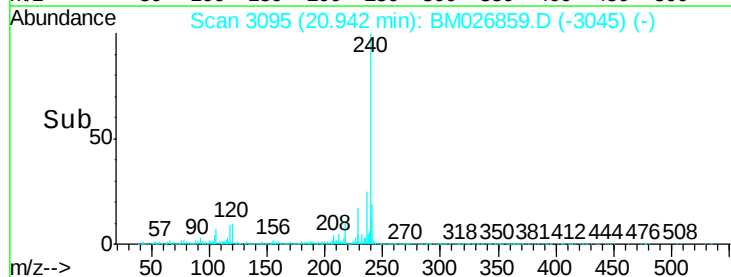
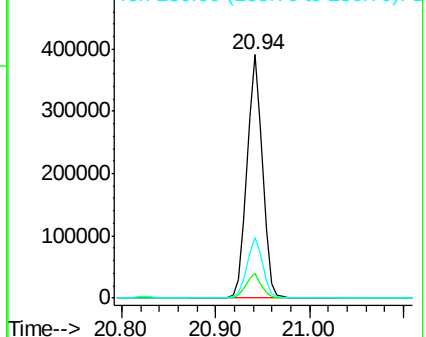
236 25.1 19.4 29.2

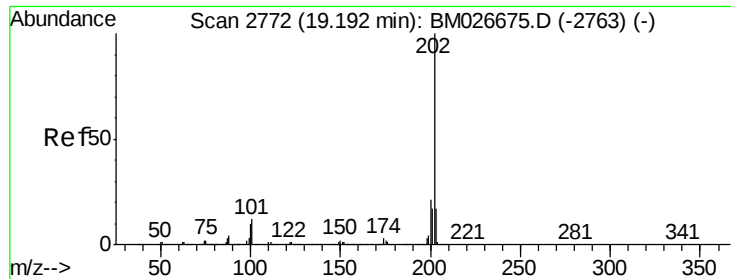


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

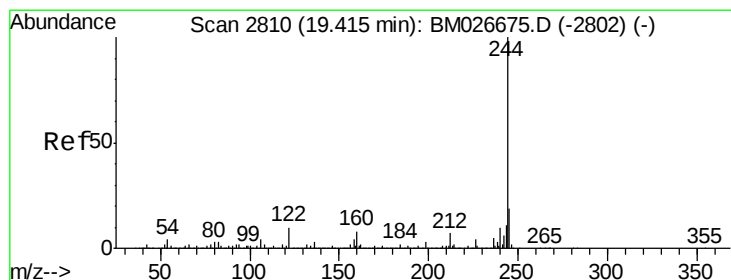
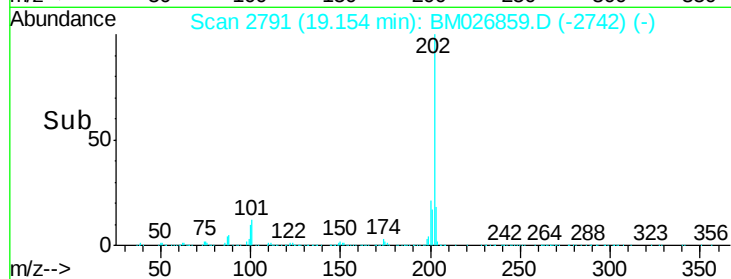
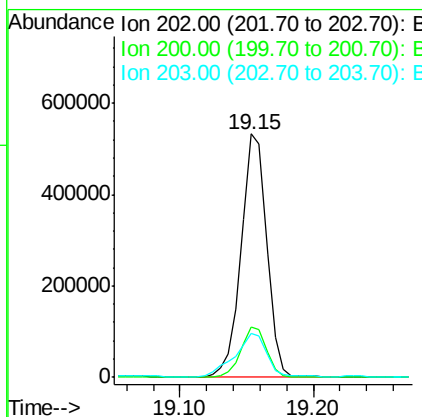
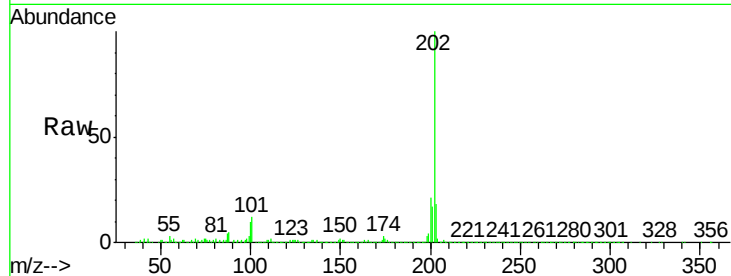




#78
Pvrene
Concen: 25.334 ng
RT: 19.15 min Scan# 2791
Delta R.T. -0.01 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

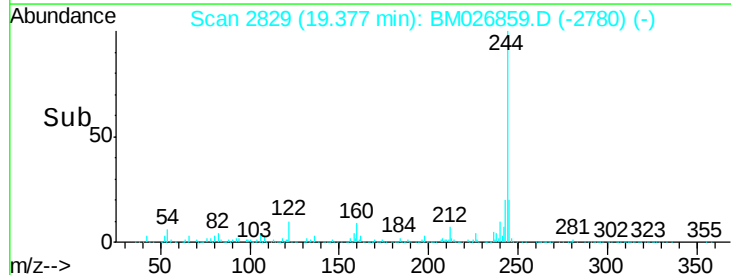
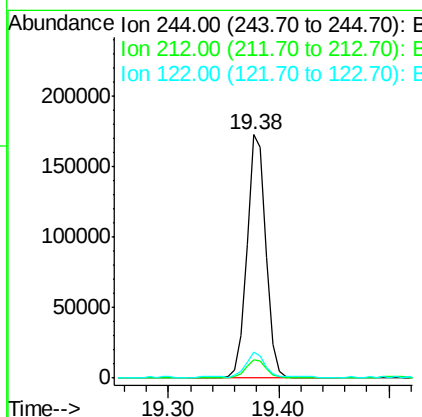
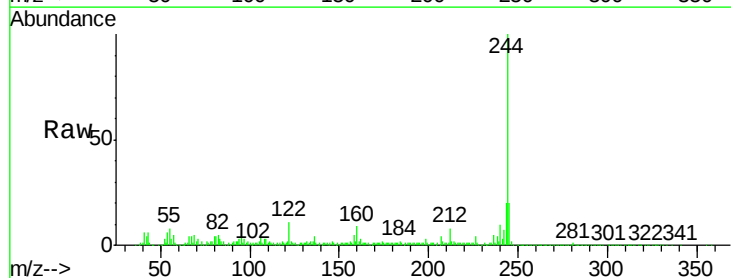
Instrument :
BNA_M
ClientSampleId :

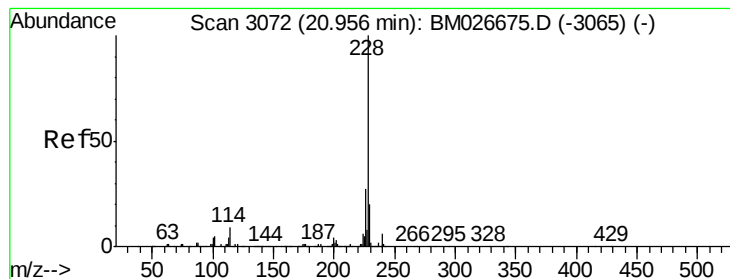
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	18.1	13.7	20.5



#79
Terphenyl-d14
Concen: 9.120 ng
RT: 19.38 min Scan# 2829
Delta R.T. -0.01 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	10.7	8.2	12.4





#81

Benzo(a)anthracene

Concen: 14.527 ng

RT: 20.92 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

Instrument :

BNA_M

ClientSampleId :

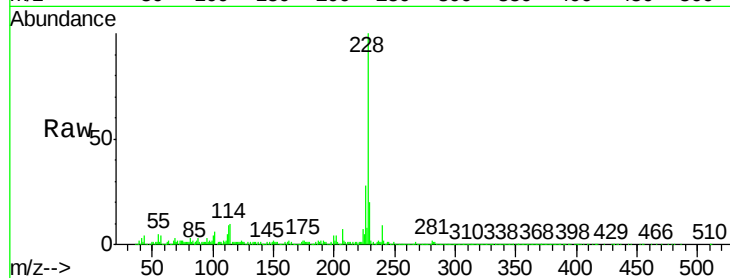
Tot Ion:228 Resp: 432858

Ion Ratio Lower Upper

228 100

226 28.3 21.4 32.2

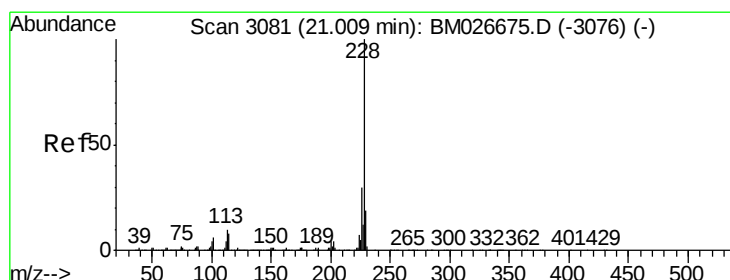
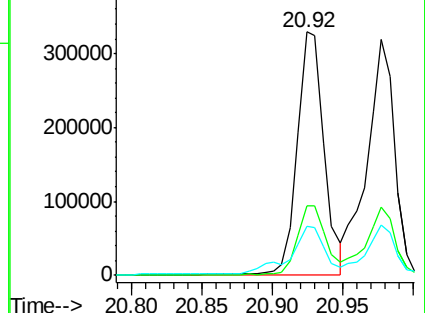
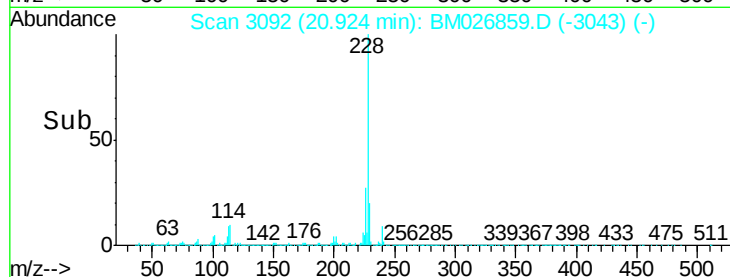
229 20.2 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 14.907 ng

RT: 20.98 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

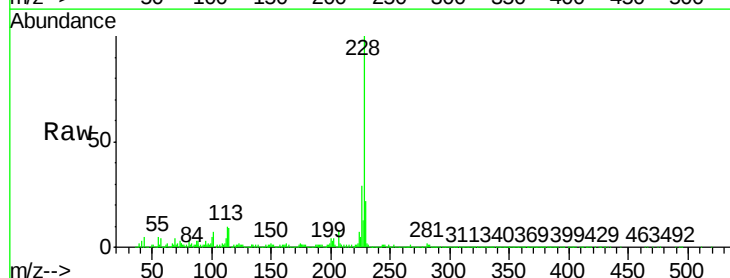
Tgt Ion:228 Resp: 432324

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

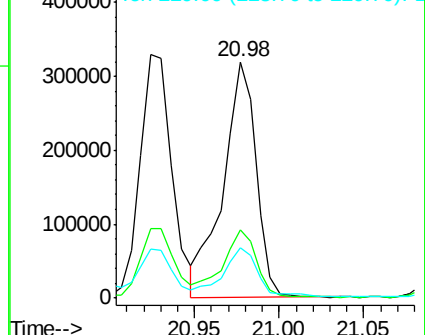
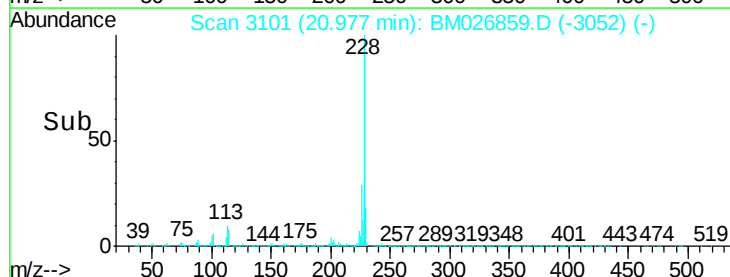
229 21.6 15.4 23.0

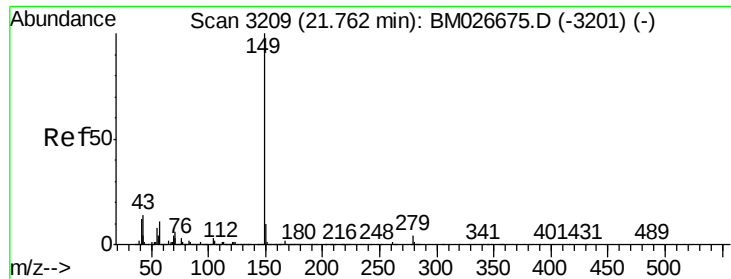


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

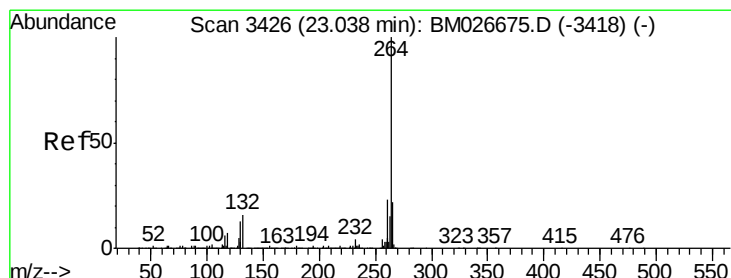
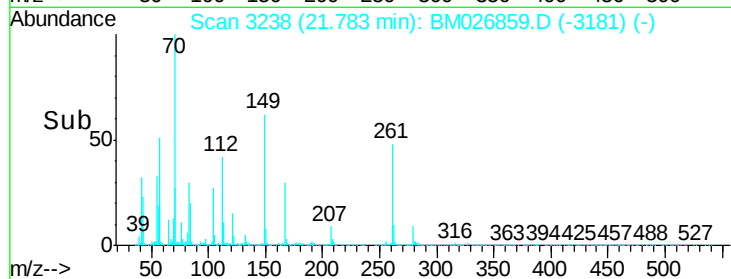
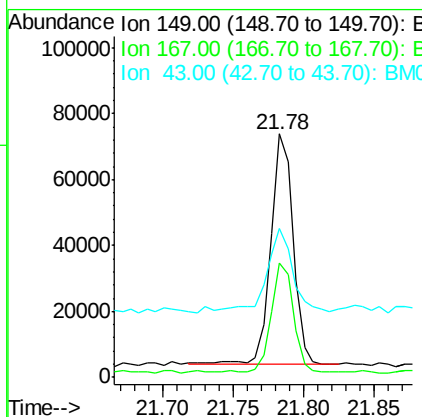
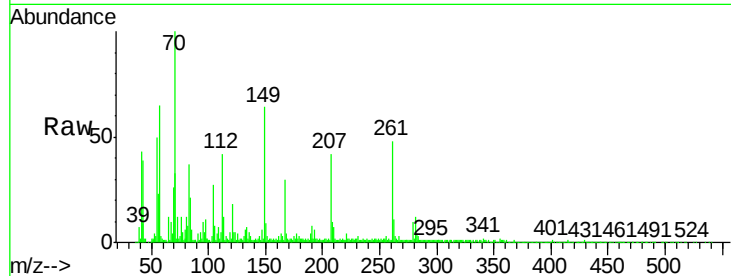




#85
Di-n-octyl phthalate
Concen: 2.242 ng
RT: 21.78 min Scan# 3238
Delta R.T. 0.04 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

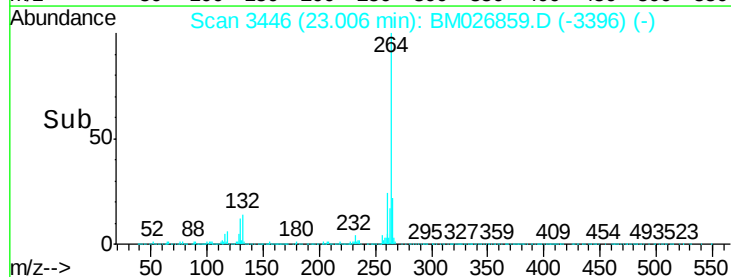
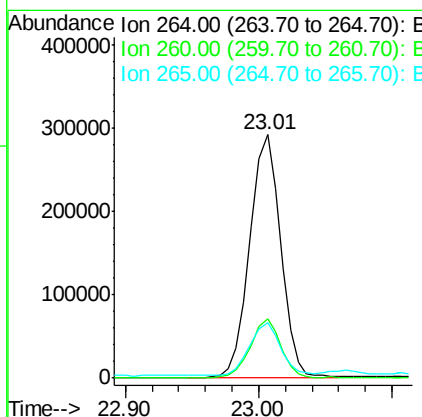
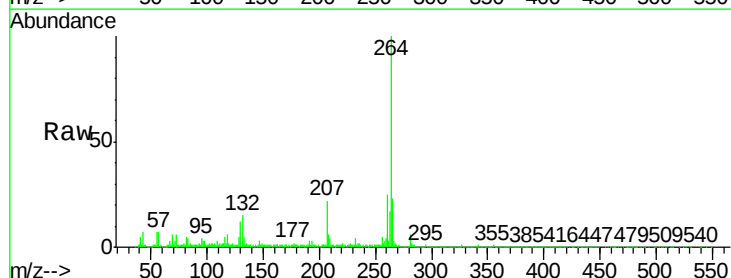
Instrument :
BNA_M
ClientSampled :

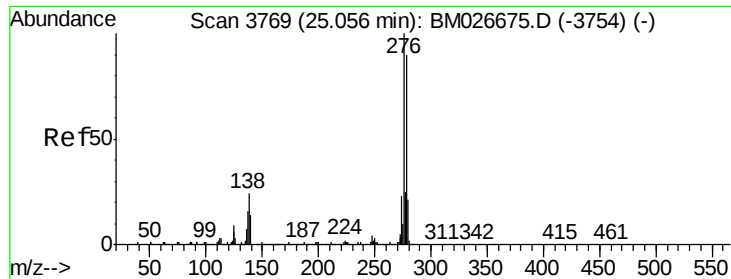
Tot Ion:149 Resp: 76978
Ion Ratio Lower Upper
149 100
167 47.9 1.3 1.9#
43 41.7 11.2 16.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.01 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

Tgt Ion:264 Resp: 464282
Ion Ratio Lower Upper
264 100
260 24.5 18.2 27.2
265 22.6 17.6 26.4

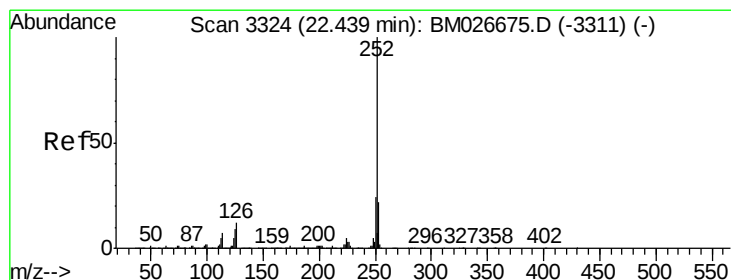
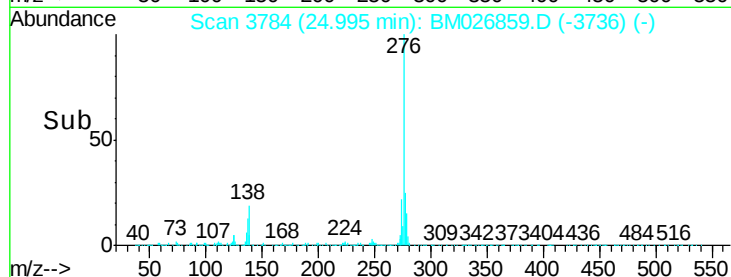
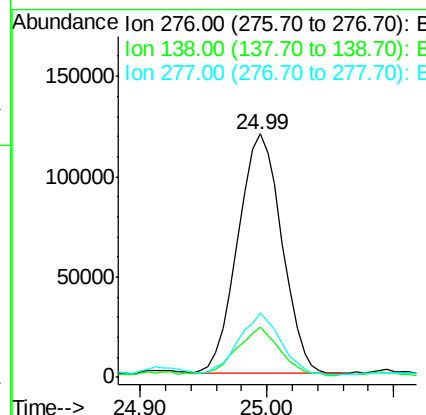
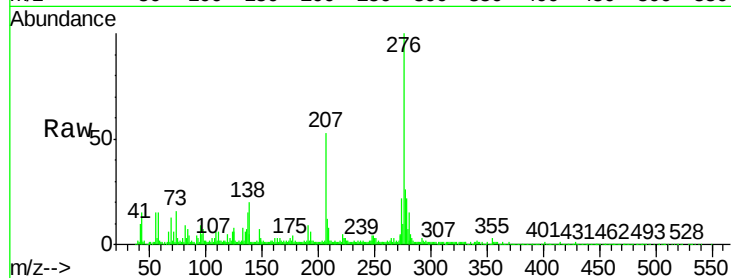




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.711 ng
 RT: 24.99 min Scan# 3784
 Delta R.T. -0.02 min
 Lab File: BM026859.D
 Acq: 23 Jul 2020 19:58

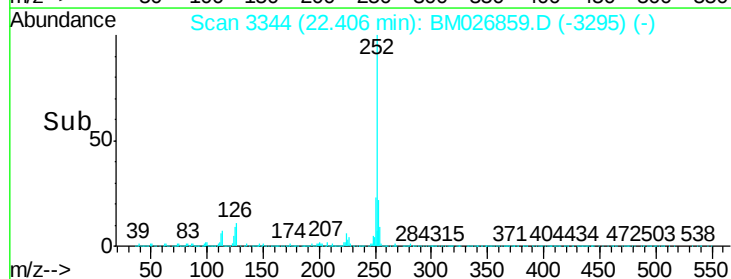
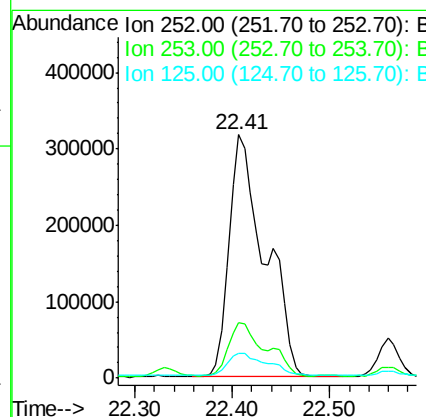
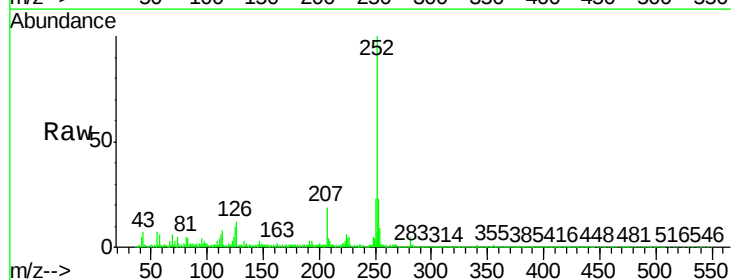
Instrument :
 BNA_M
 ClientSampleId :

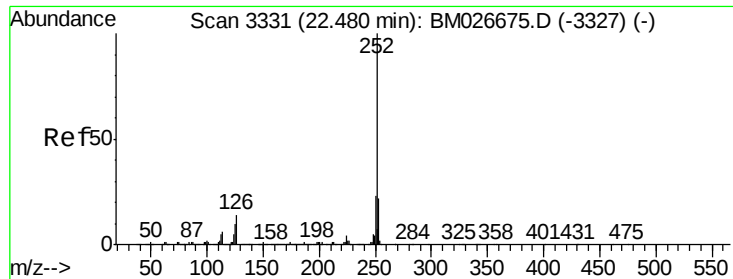
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	18.4	27.6
277	24.8	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 26.495 ng
 RT: 22.41 min Scan# 3344
 Delta R.T. -0.01 min
 Lab File: BM026859.D
 Acq: 23 Jul 2020 19:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.1	7.5	11.3

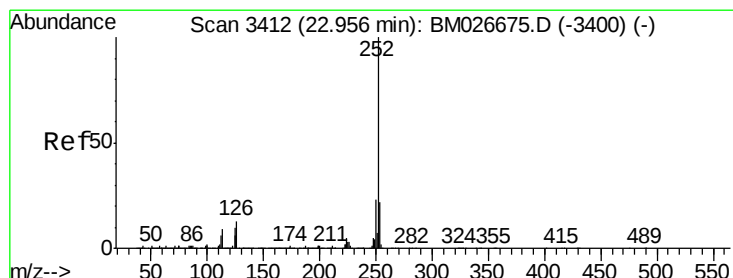
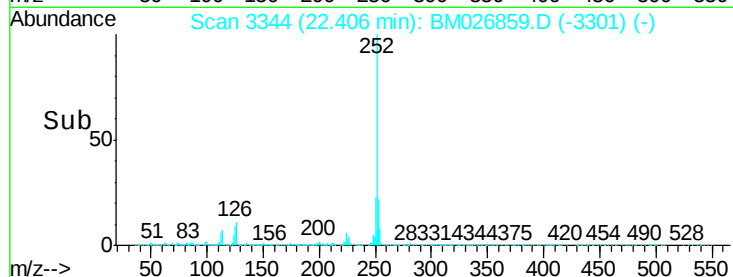
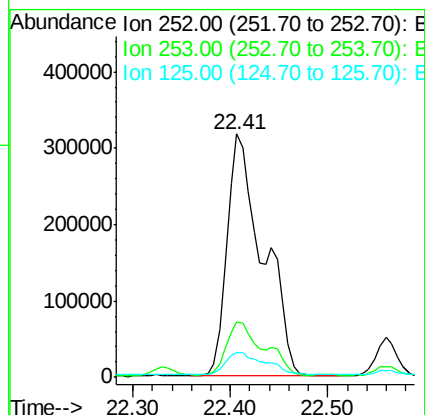
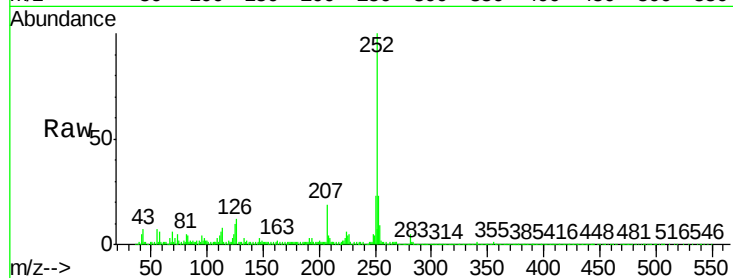




#89
Benzo(k)fluoranthene
Concen: 27.011 ng
RT: 22.41 min Scan# 3344
Delta R.T. -0.05 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

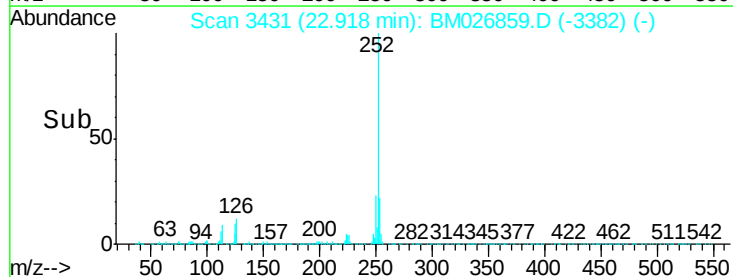
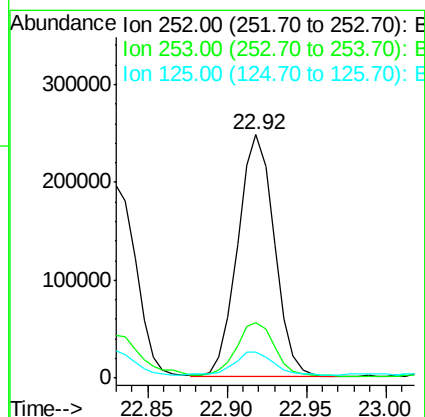
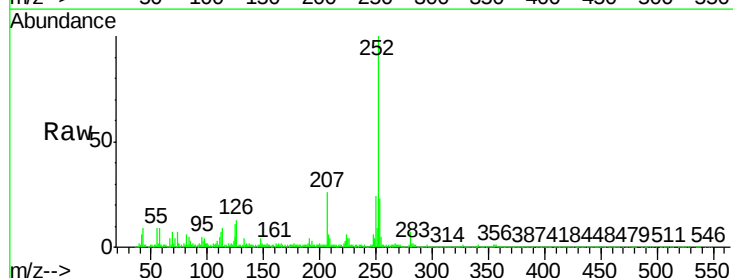
Instrument :
BNA_M
ClientSampleId :

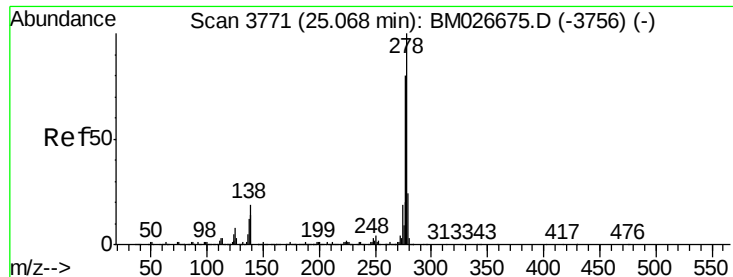
Tot Ion:252 Resp: 810504
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.1 7.8 11.8



#90
Benzo(a)pyrene
Concen: 13.982 ng
RT: 22.92 min Scan# 3431
Delta R.T. -0.01 min
Lab File: BM026859.D
Acq: 23 Jul 2020 19:58

Tgt Ion:252 Resp: 397070
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 10.7 8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 2.655 ng

RT: 24.99 min Scan# 3784

Delta R.T. -0.02 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

Instrument :

BNA_M

ClientSampleId :

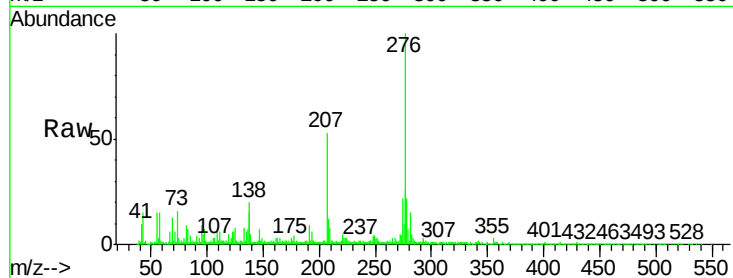
Tot Ion:278 Resp: 74082

Ion Ratio Lower Upper

278 100

139 24.0 11.2 16.8#

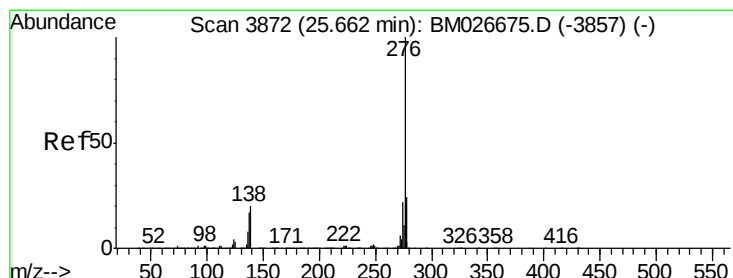
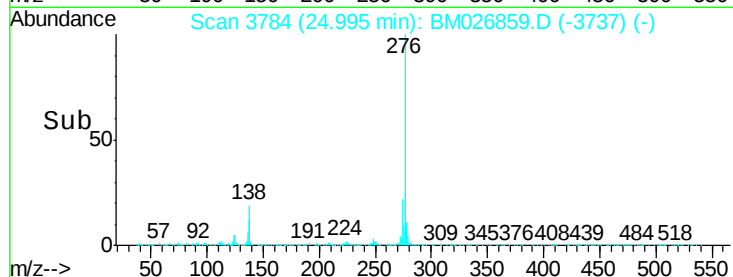
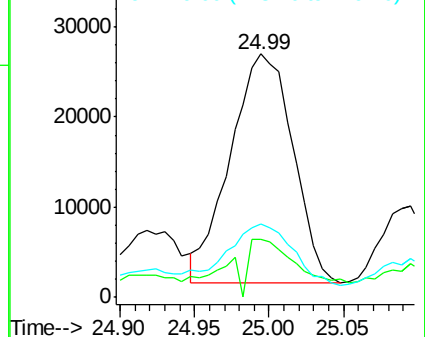
279 30.0 19.0 28.4#



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



#92

Benzo(g,h,i)perylene

Concen: 11.035 ng

RT: 25.60 min Scan# 3887

Delta R.T. -0.01 min

Lab File: BM026859.D

Acq: 23 Jul 2020 19:58

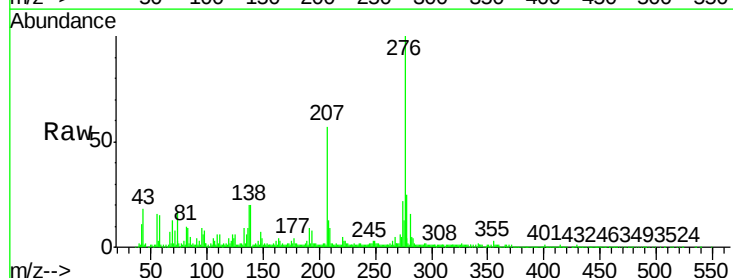
Tgt Ion:276 Resp: 283689

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 19.7 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

