

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072320\
 Data File : BM026855.D
 Acq On : 23 Jul 2020 17:31
 Operator : JU/CG
 Sample : L3381-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 23 18:13:45 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	99374	20.00	ng	-0.02
21) Naphthalene-d8	10.03	136	361186	20.00	ng	-0.02
39) Acenaphthene-d10	13.95	164	202199	20.00	ng	-0.01
64) Phenanthrene-d10	16.71	188	407821	20.00	ng	-0.01
76) Chrysene-d12	20.95	240	467932	20.00	ng	0.00
86) Perylene-d12	23.01	264	500103	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.93	112	459900	77.57	ng	-0.02
7) Phenol-d6	6.50	99	591329	62.60	ng	-0.01
23) Nitrobenzene-d5	8.43	82	403014	47.60	ng	-0.02
42) 2,4,6-Tribromophenol	15.47	330	191898	65.15	ng	0.00
45) 2-Fluorobiphenyl	12.55	172	724394	47.64	ng	-0.01
79) Terphenyl-d14	19.38	244	1003132	42.19	ng	0.00

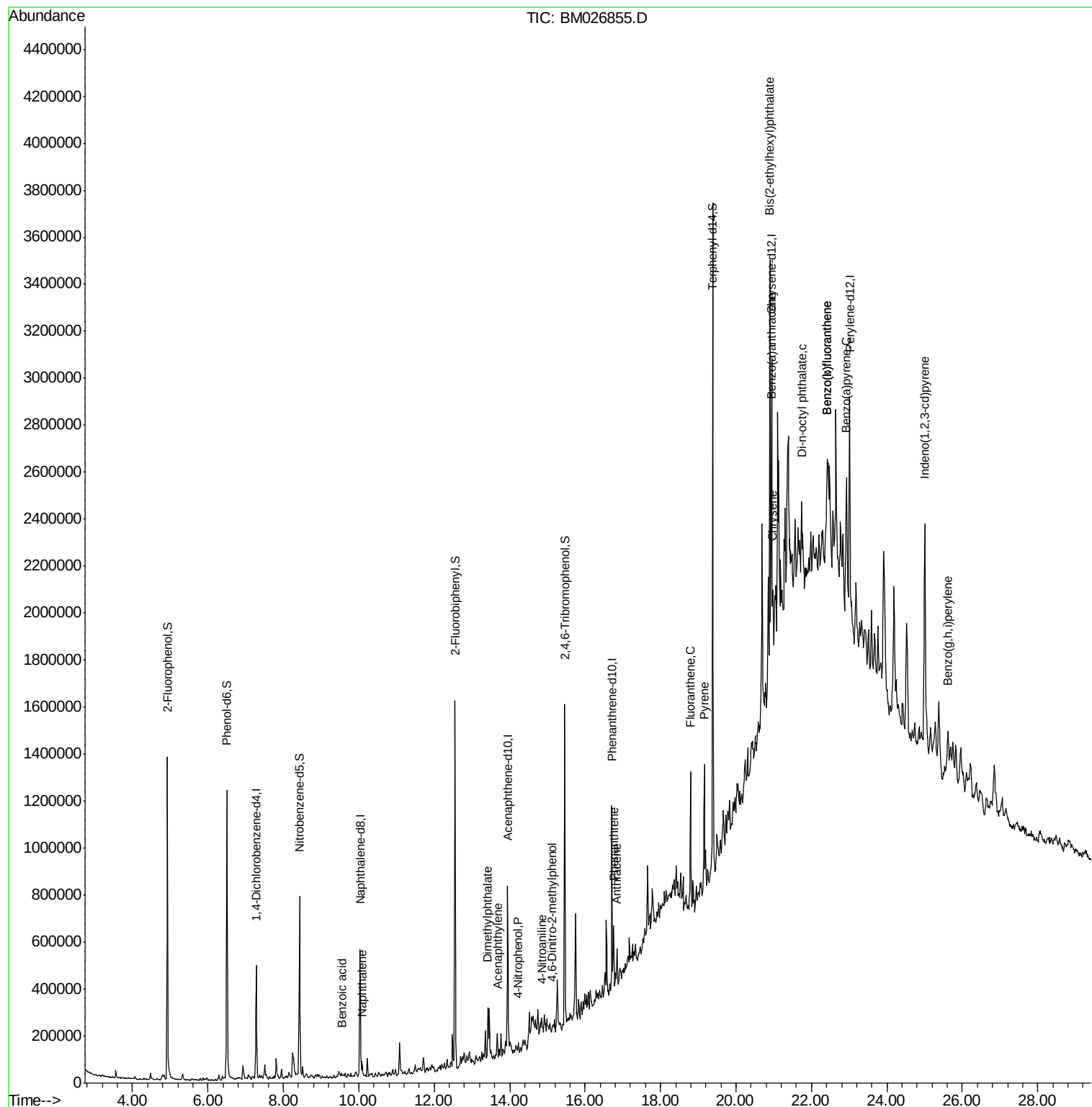
Target Compounds				Qvalue		
31) Naphthalene	10.08	128	43755	2.178	ng	100
32) Benzoic acid	9.54	122	202	7.136	ng	# 61
49) Acenaphthylene	13.67	152	44250	2.145	ng	94
50) Dimethylphthalate	13.42	163	112636	6.513	ng	98
56) 4-Nitrophenol	14.24	139	265	3.987	ng	# 1
62) 4-Nitroaniline	14.87	138	354	3.215	ng	85
65) 4,6-Dinitro-2-methylphenol	15.12	198	53	4.550	ng	# 1
71) Phenanthrene	16.75	178	104150	4.326	ng	96
72) Anthracene	16.85	178	64898	2.708	ng	96
75) Fluoranthene	18.79	202	303682	10.241	ng	98
78) Pyrene	19.16	202	317376	10.767	ng	98
81) Benzo(a)anthracene	20.93	228	177316	5.641	ng	# 89
83) Chrysene	20.98	228	200139	6.542	ng	# 93
84) Bis(2-ethylhexyl)phthalate	20.89	149	542046	25.579	ng	99
85) Di-n-octyl phthalate	21.74	149	228258	6.302	ng	# 90
87) Indeno(1,2,3-cd)pyrene	25.01	276	137224	3.854	ng	96
88) Benzo(b)fluoranthene	22.41	252	347740	10.553	ng	# 84
89) Benzo(k)fluoranthene	22.41	252	347740	10.759	ng	# 84
90) Benzo(a)pyrene	22.92	252	202274	6.612	ng	# 88
92) Benzo(a,h,i)perylene	25.61	276	138103	4.987	ng	94

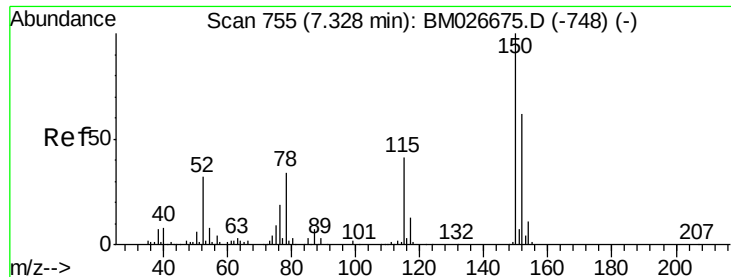
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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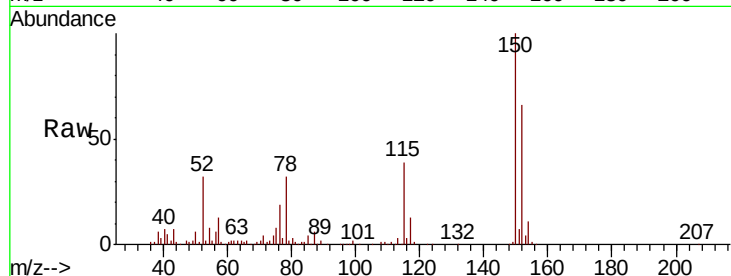


#1

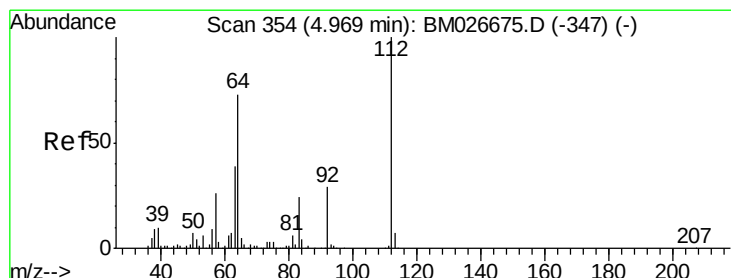
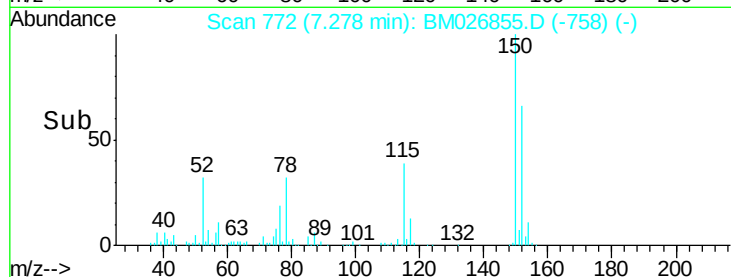
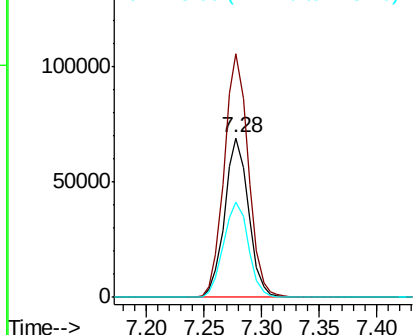
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.28 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 99374
Ion Ratio Lower Upper
152 100
150 152.6 128.1 192.1
115 59.8 52.2 78.4



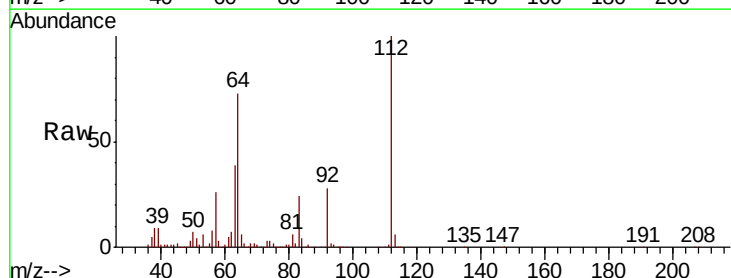
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



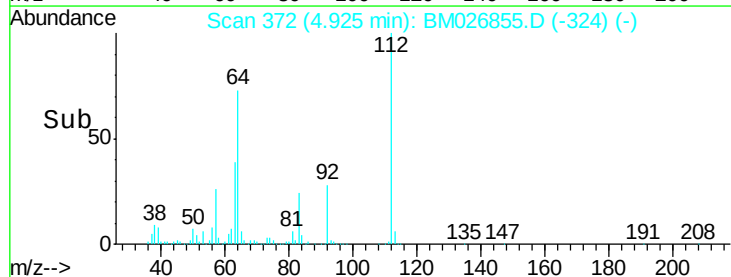
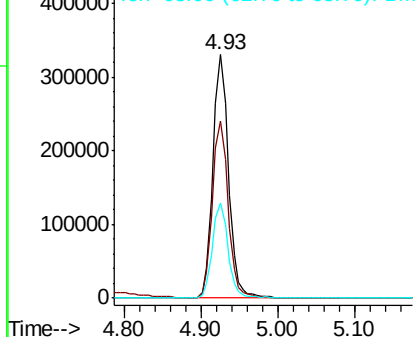
#5

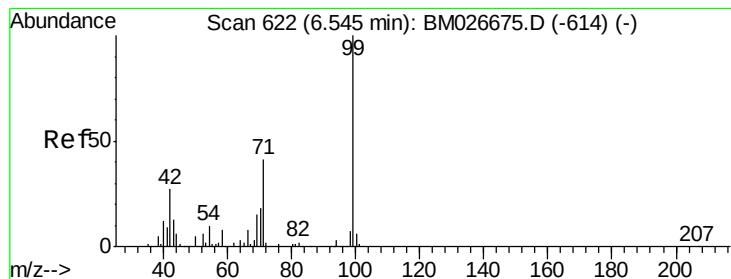
2-Fluorophenol
Concen: 77.569 ng
RT: 4.93 min Scan# 372
Delta R.T. -0.02 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Tgt Ion:112 Resp: 459900
Ion Ratio Lower Upper
112 100
64 72.9 58.4 87.6
63 39.0 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: 62.599 ng

RT: 6.50 min Scan# 640

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

Instrument :

BNA_M

ClientSampled :

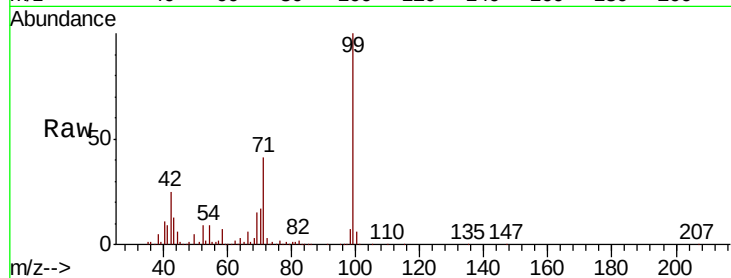
Tot Ion: 99 Resp: 591329

Ion Ratio Lower Upper

99 100

42 25.2 21.7 32.5

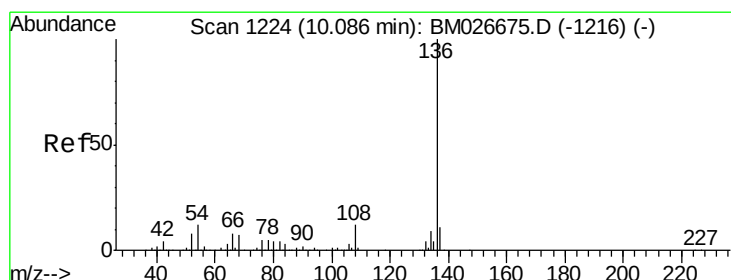
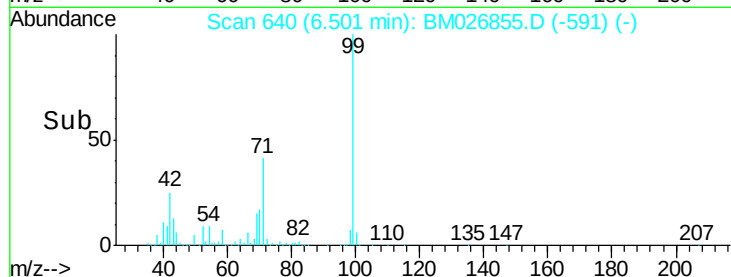
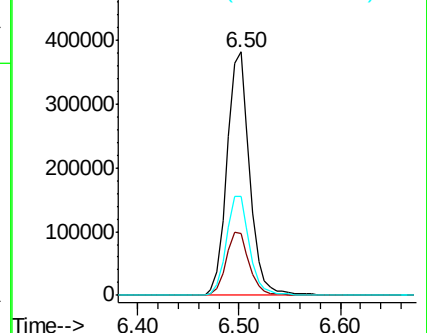
71 40.6 33.2 49.8



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: BM026855.D

Acq: 23 Jul 2020 17:31

Tgt Ion: 136 Resp: 361186

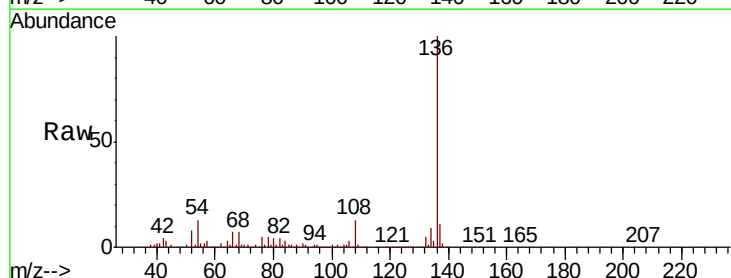
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 12.7 9.8 14.6

68 7.4 5.8 8.6

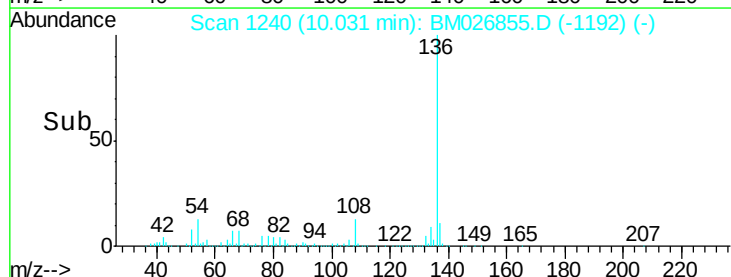
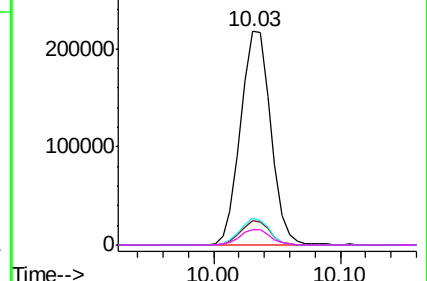


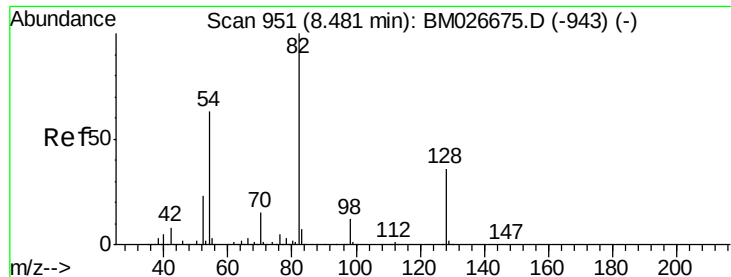
Abundance Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

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) (-)

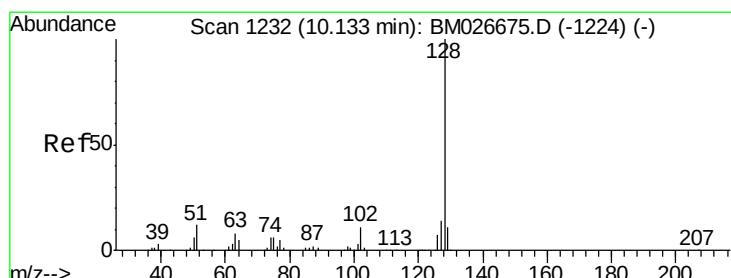
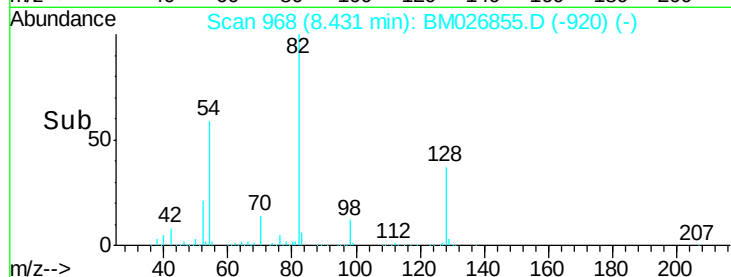
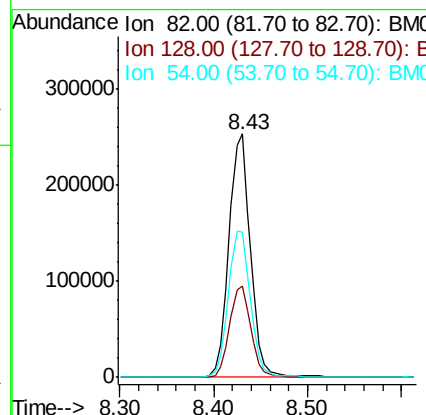
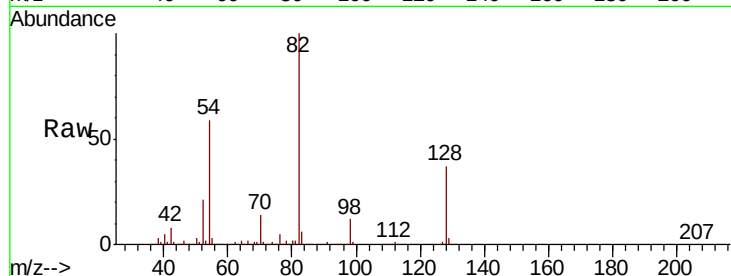




#23
 Nitrobenzene-d5
 Concen: 47.604 ng
 RT: 8.43 min Scan# 968
 Delta R.T. -0.02 min
 Lab File: BM026855.D
 Acq: 23 Jul 2020 17:31

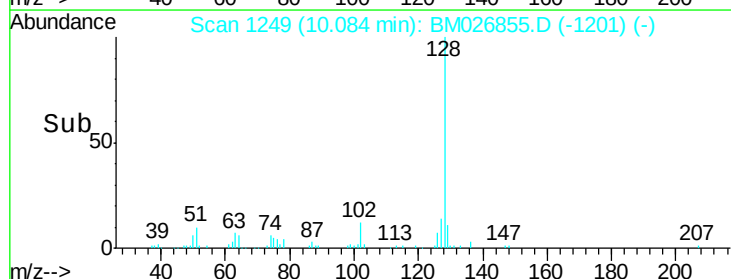
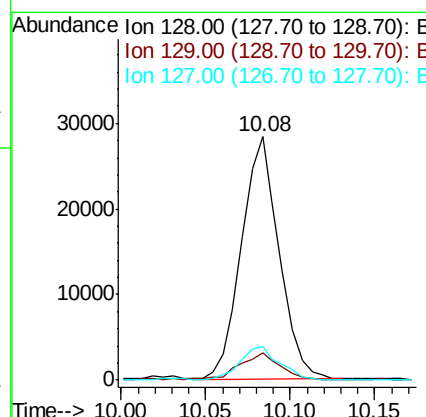
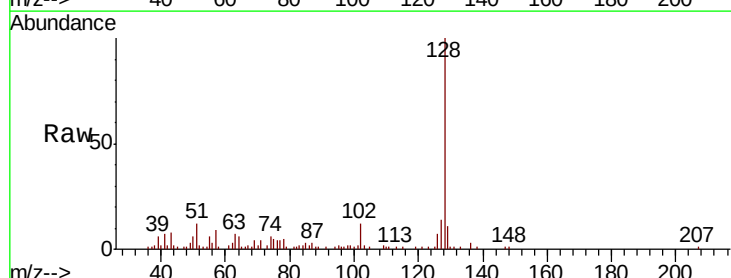
Instrument :
 BNA_M
 ClientSampleId :

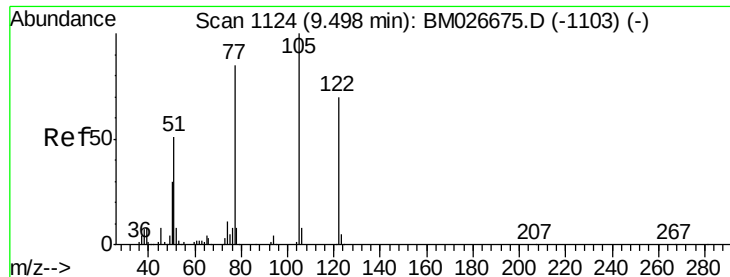
Tot Ion	82	Resp	403014
Ion Ratio	Lower	Upper	
82	100		
128	37.3	29.1	43.7
54	59.4	50.2	75.4



#31
 Naphthalene
 Concen: 2.178 ng
 RT: 10.08 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: BM026855.D
 Acq: 23 Jul 2020 17:31

Tgt Ion	128	Resp	43755
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.8	13.2
127	13.6	10.8	16.2

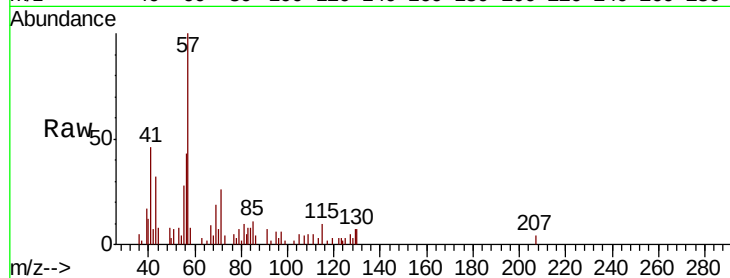




#32
Benzoic acid
Concen: 7.136 ng
RT: 9.54 min Scan# 1157
Delta R.T. 0.08 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	183.4	120.9	160.9#
77	169.8	100.0	140.0#

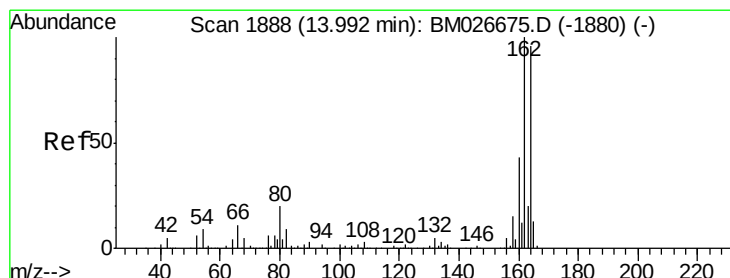
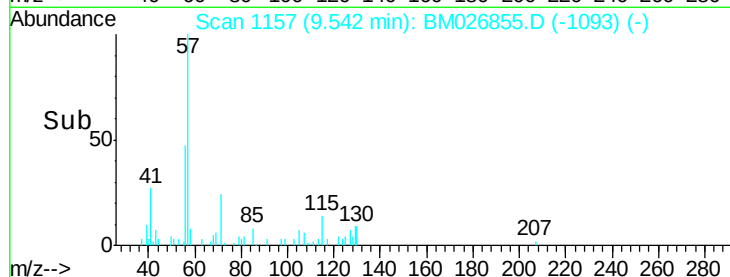
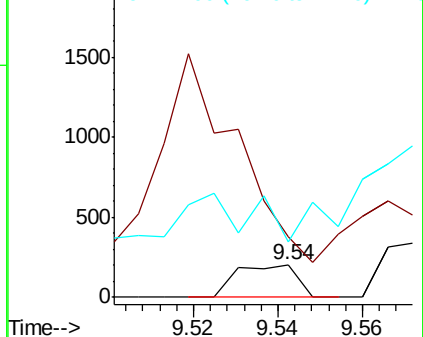


Abundance

Ion 122.00 (121.70 to 122.70): E

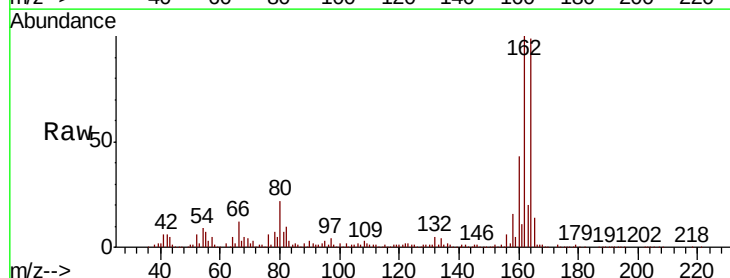
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.95 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	83.7	125.5
160	43.3	36.2	54.2

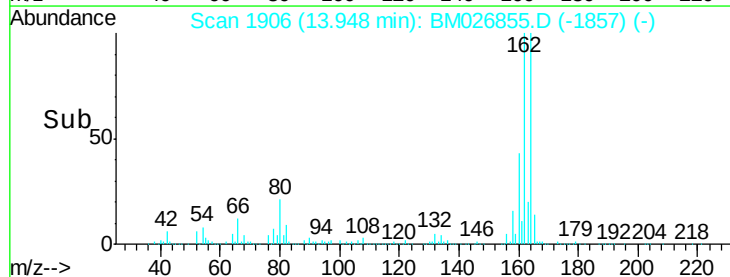
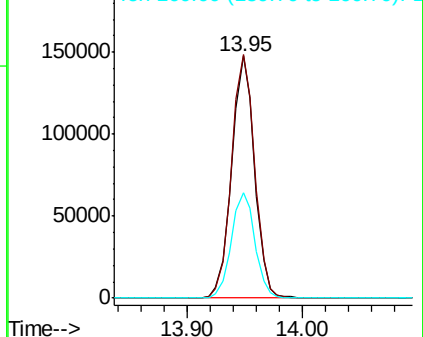


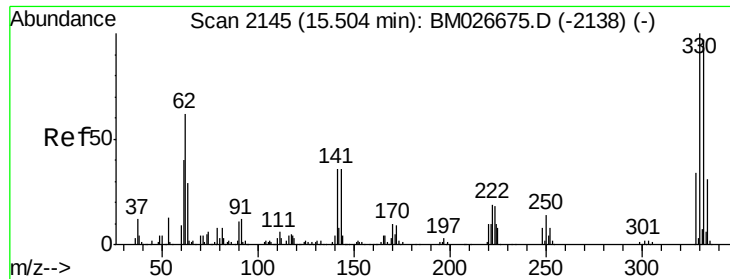
Abundance

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: 65.151 ng

RT: 15.47 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

Instrument :

BNA_M

ClientSampleId :

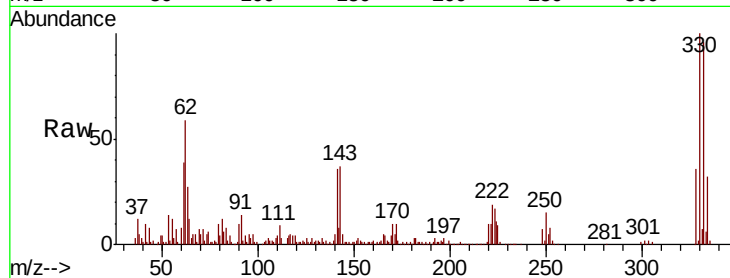
Tot Ion:330 Resp: 191898

Ion Ratio Lower Upper

330 100

332 97.5 77.5 116.3

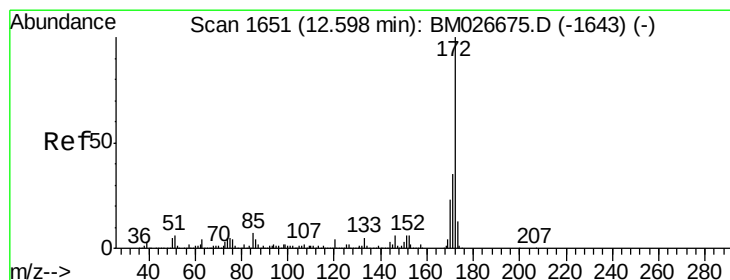
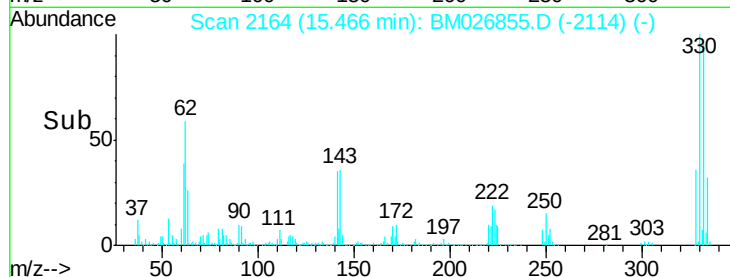
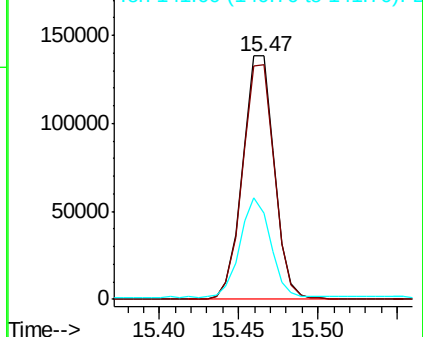
141 39.4 32.4 48.6



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: 47.635 ng

RT: 12.55 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

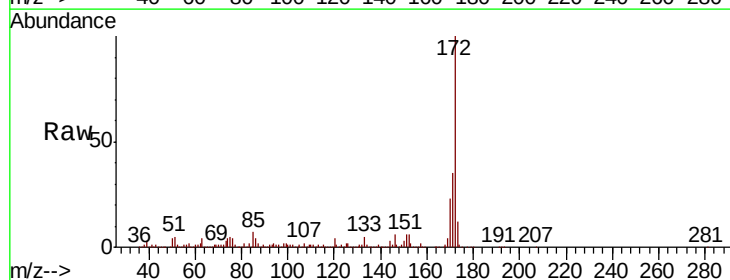
Tgt Ion:172 Resp: 724394

Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

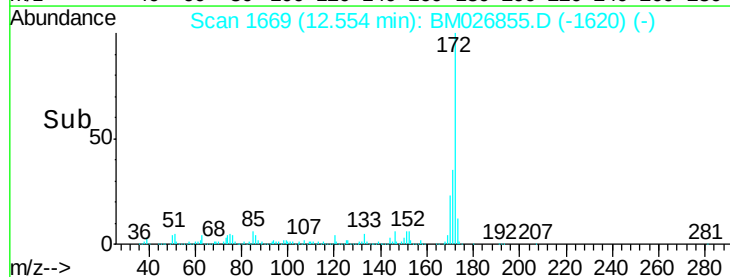
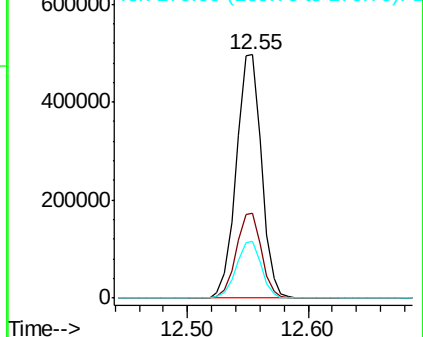
170 23.1 18.5 27.7

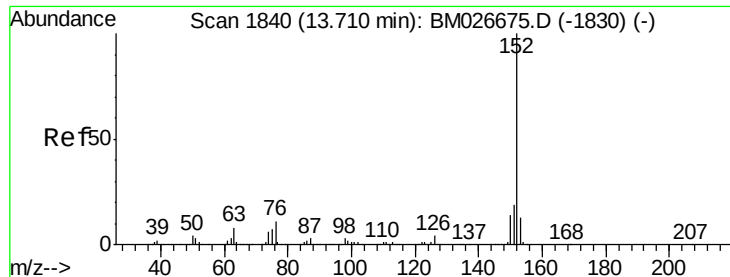


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.145 ng

RT: 13.67 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

Instrument :

BNA_M

ClientSampleId :

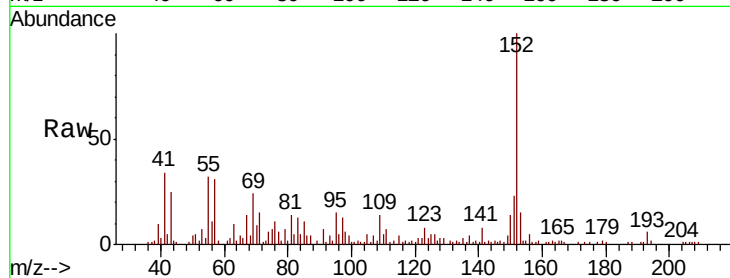
Tot Ion:152 Resp: 44250

Ion Ratio Lower Upper

152 100

151 22.8 15.6 23.4

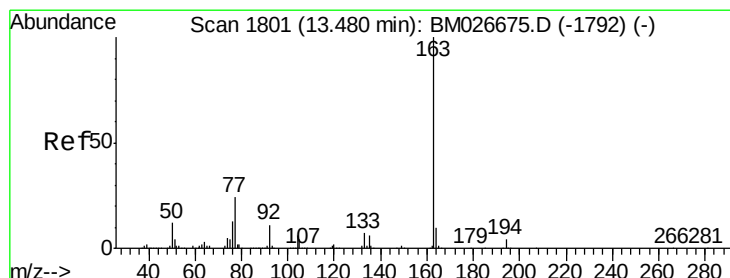
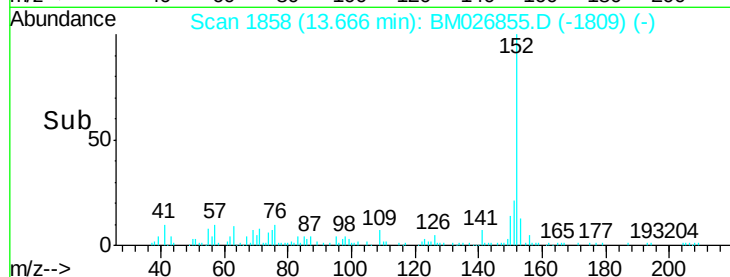
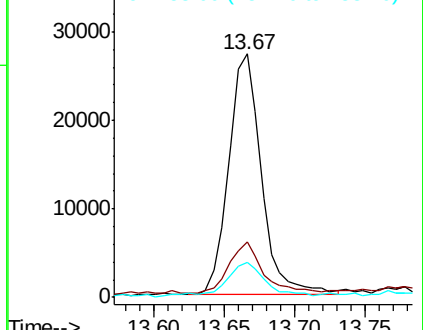
153 14.5 10.4 15.6



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

Dimethylphthalate

Concen: 6.513 ng

RT: 13.42 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

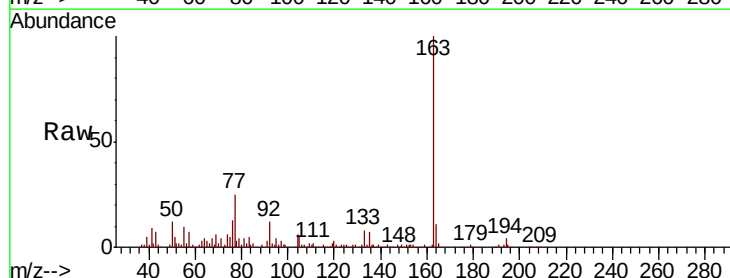
Tgt Ion:163 Resp: 112636

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

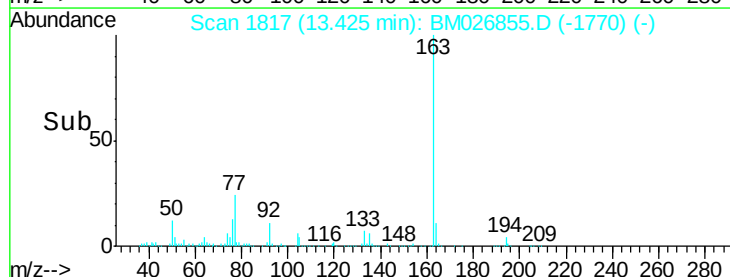
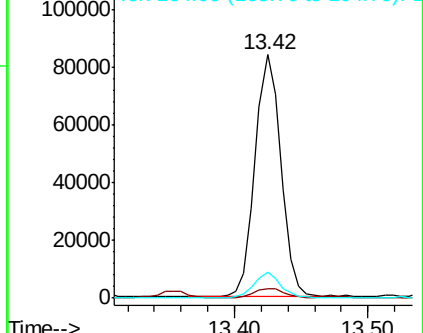
164 10.8 7.8 11.6

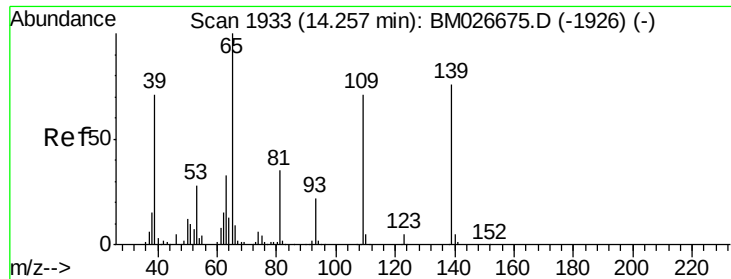


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

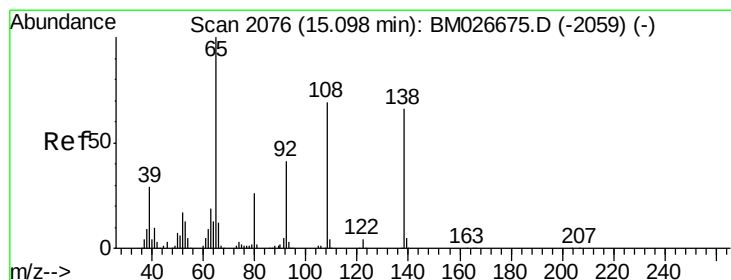
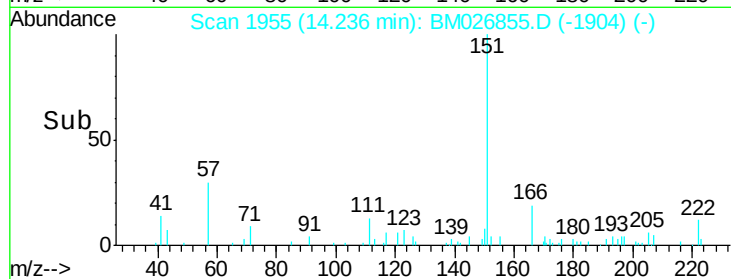
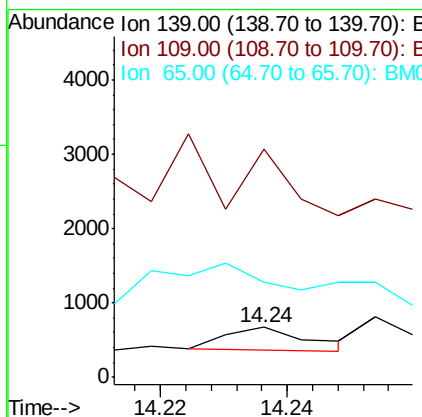
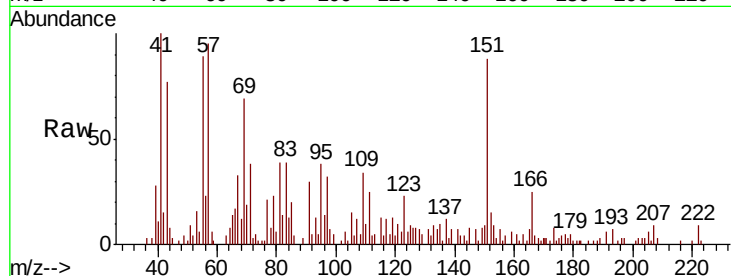




#56
4-Nitrophenol
Concen: 3.987 ng
RT: 14.24 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

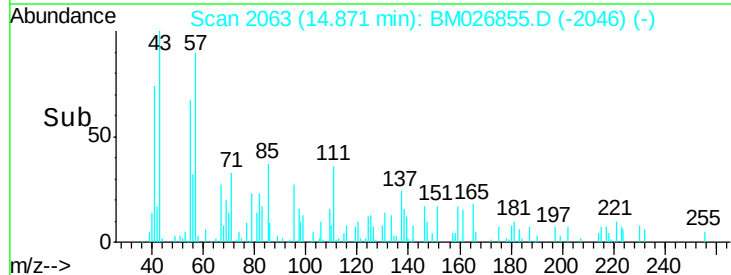
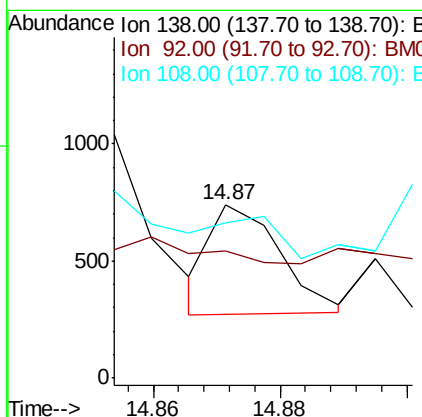
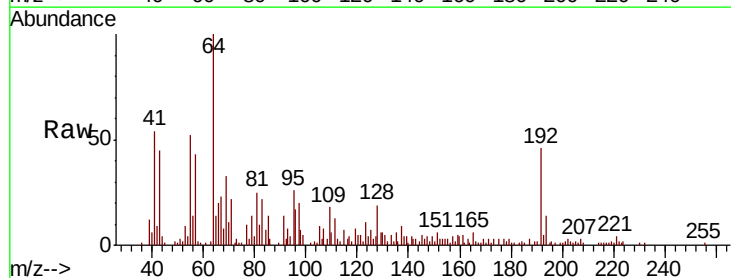
Instrument :
BNA_M
ClientSampleId :

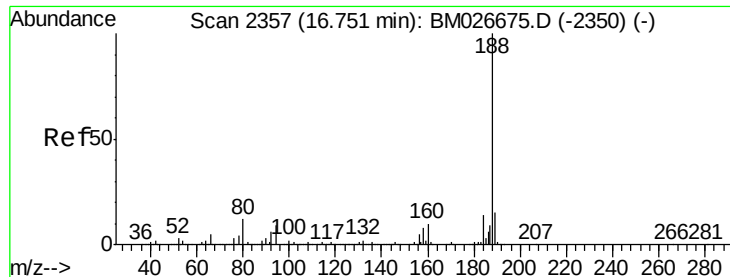
Tot Ion:139 Resp: 265
Ion Ratio Lower Upper
139 100
109 458.4 73.7 113.7#
65 190.9 111.5 151.5#



#62
4-Nitroaniline
Concen: 3.215 ng
RT: 14.87 min Scan# 2063
Delta R.T. -0.20 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Tgt Ion:138 Resp: 354
Ion Ratio Lower Upper
138 100
92 73.5 41.5 81.5
108 89.5 84.8 124.8

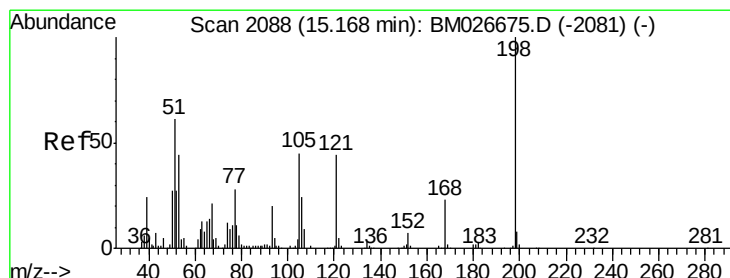
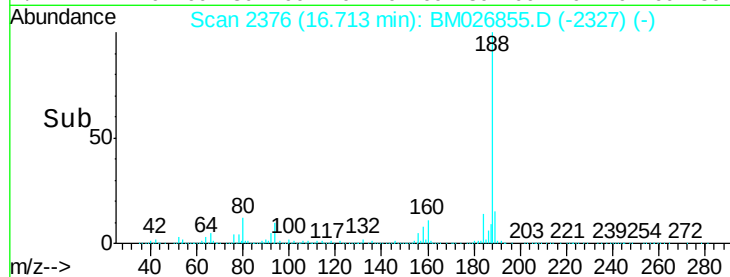
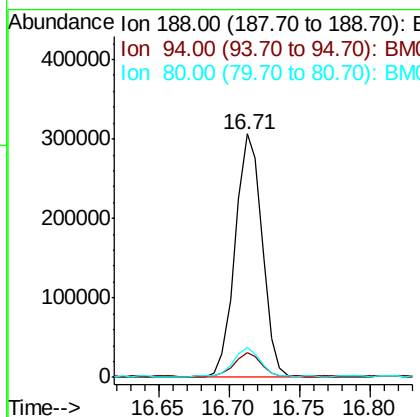
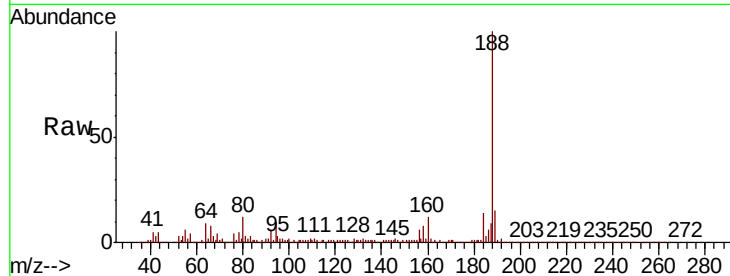




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.71 min Scan# 2376
Delta R.T. -0.01 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

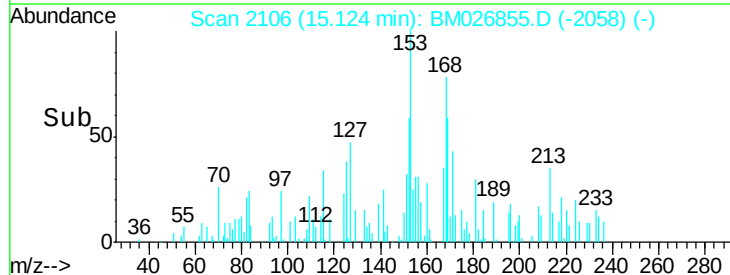
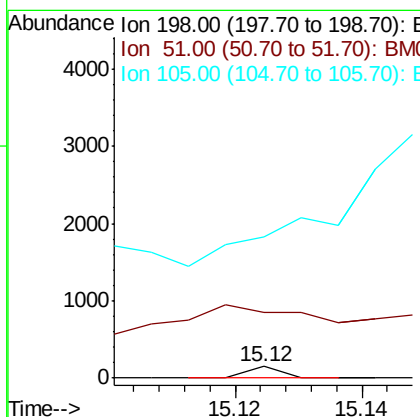
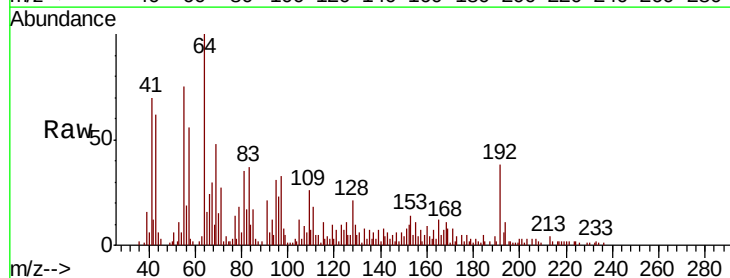
Instrument :
BNA_M
ClientSampleId :

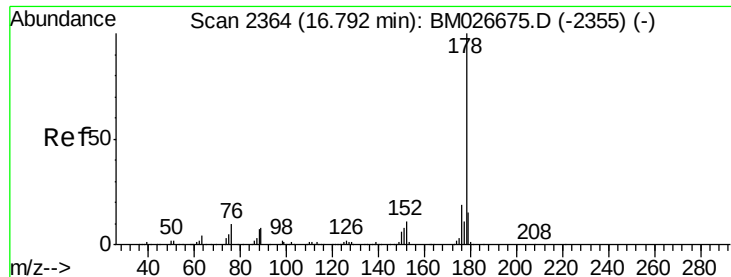
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.4	11.0
80	12.2	9.3	13.9



#65
4,6-Dinitro-2-methylphenol
Concen: 4.550 ng
RT: 15.12 min Scan# 2106
Delta R.T. -0.02 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Tgt Ion	Ratio	Lower	Upper
198	100		
51	568.7	42.0	82.0#
105	1220.7	24.9	64.9#

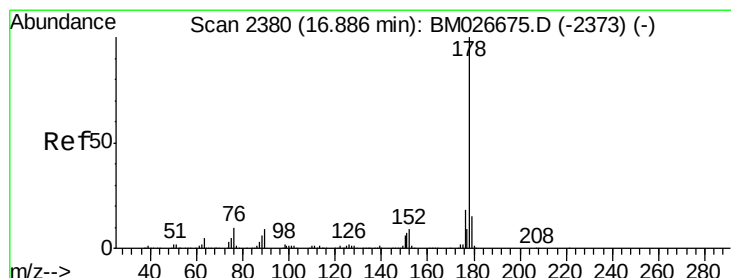
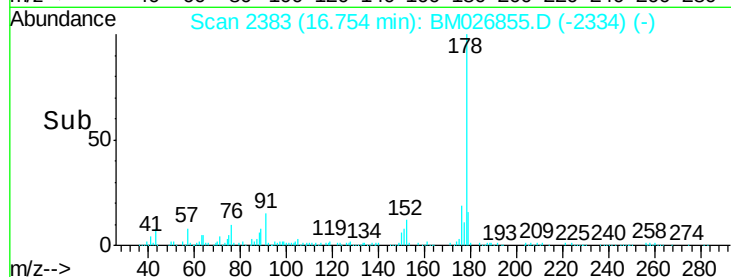
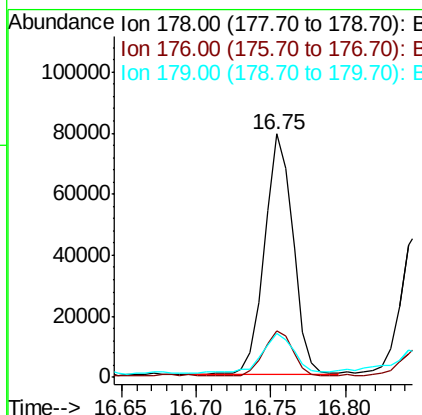
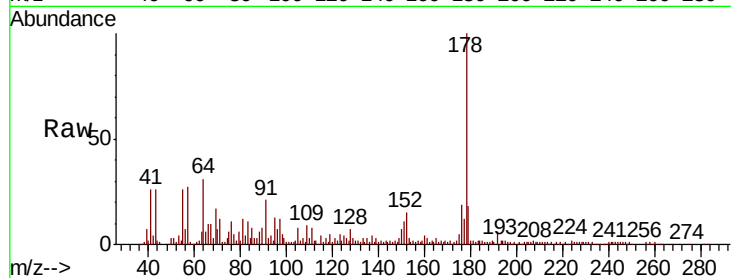




#71
Phenanthrene
Concen: 4.326 ng
RT: 16.75 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

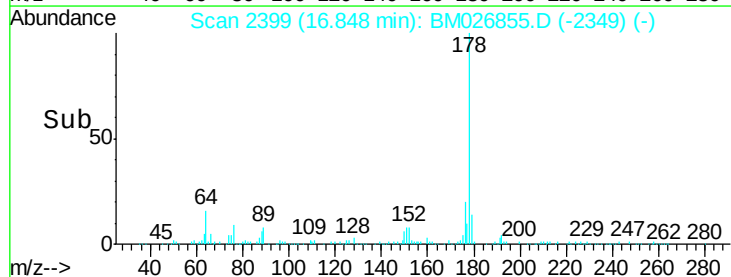
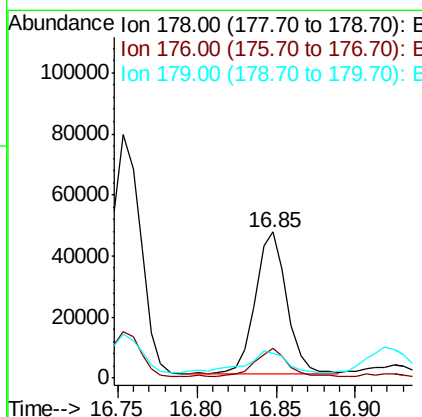
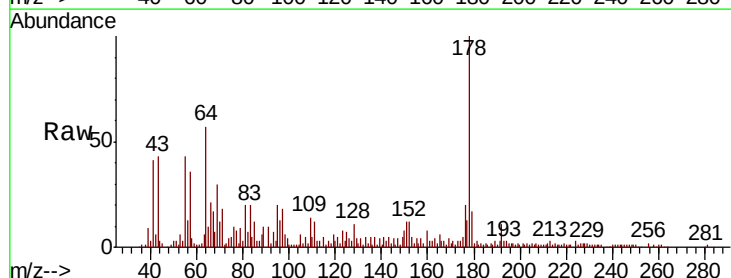
Instrument :
BNA_M
ClientSampleId :

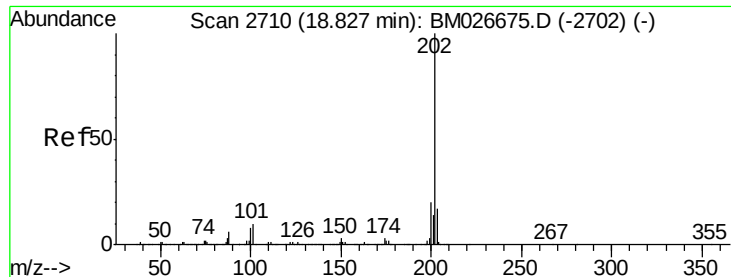
Tot Ion:178 Resp: 104150
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 17.9 12.1 18.1



#72
Anthracene
Concen: 2.708 ng
RT: 16.85 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Tgt Ion:178 Resp: 64898
Ion Ratio Lower Upper
178 100
176 20.4 14.7 22.1
179 16.8 12.1 18.1





#75

Fluoranthene

Concen: 10.241 ng

RT: 18.79 min Scan# 2730

Delta R.T. -0.01 min

Lab File: BM026855.D

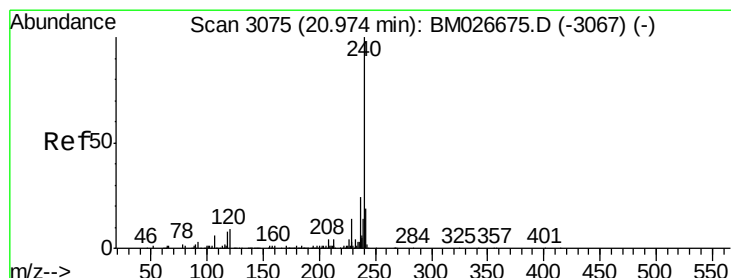
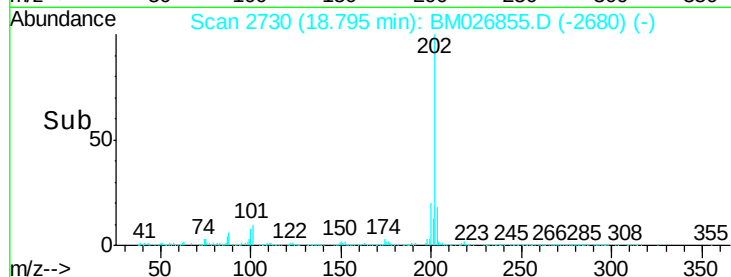
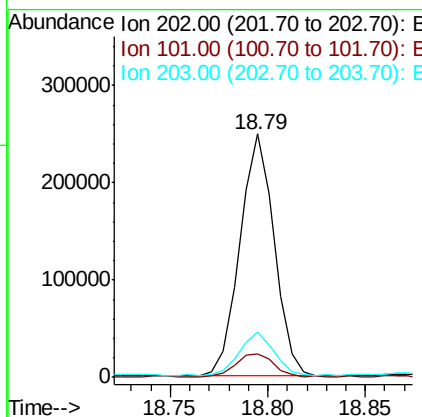
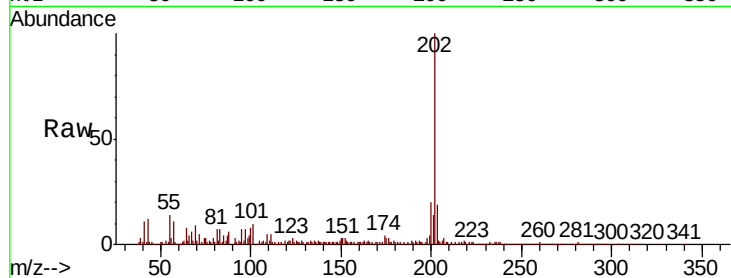
Acq: 23 Jul 2020 17:31

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	303682
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.1
203	18.6	0.0	37.2



#76

Chrysene-d12

Concen: 20.000 ng

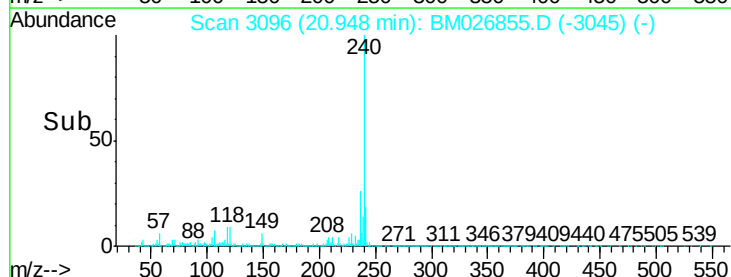
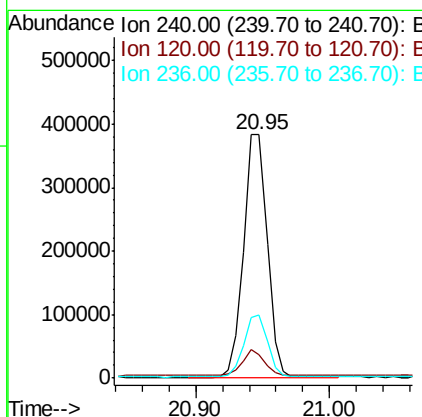
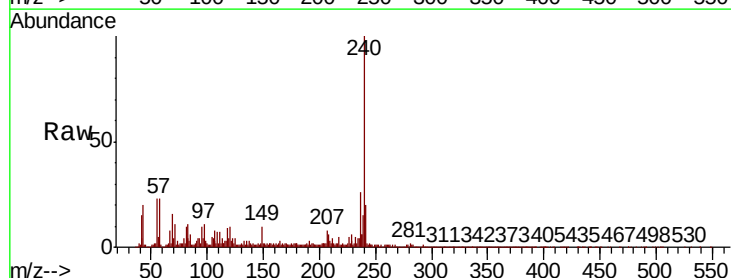
RT: 20.95 min Scan# 3096

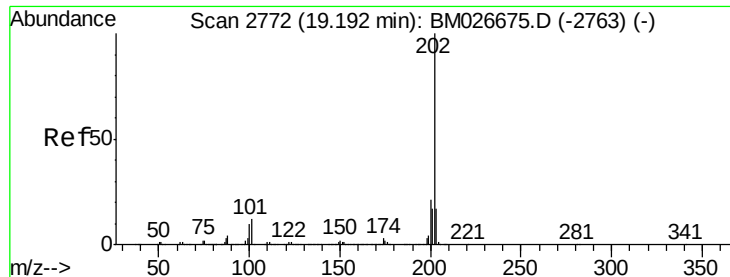
Delta R.T. 0.00 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

Tgt Ion:	240	Resp:	467932
Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.3	10.9
236	26.1	19.4	29.2

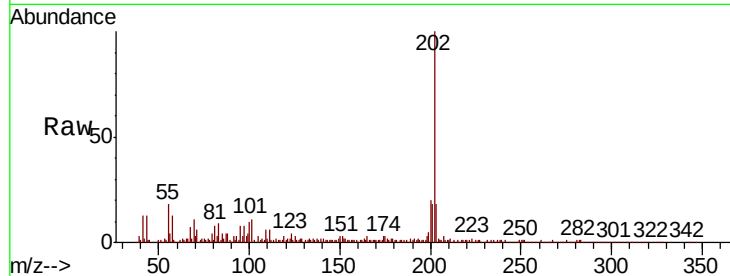




#78
Pvrene
Concen: 10.767 ng
RT: 19.16 min Scan# 2792
Delta R.T. -0.01 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	18.3	13.7	20.5

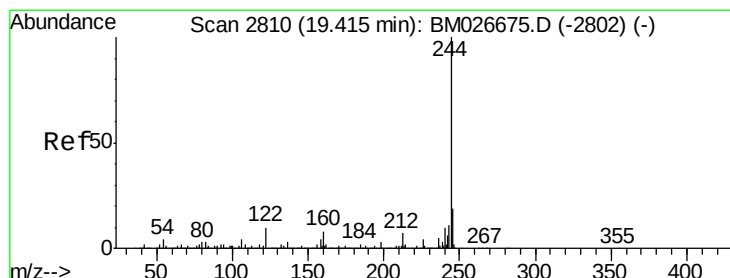
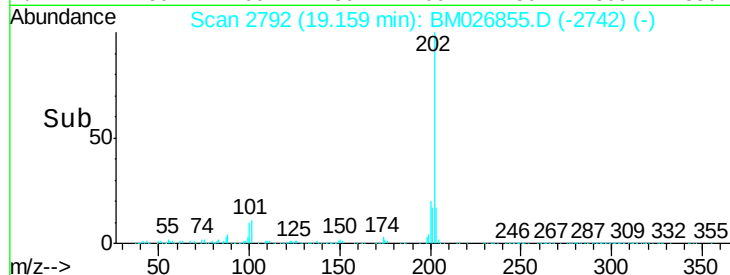
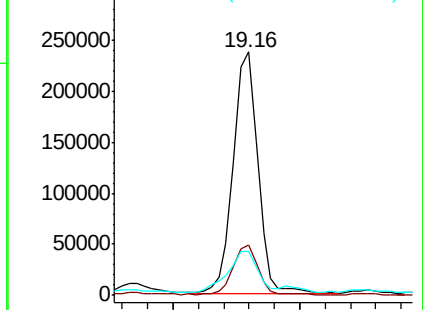


Abundance

Ion 202.00 (201.70 to 202.70): E

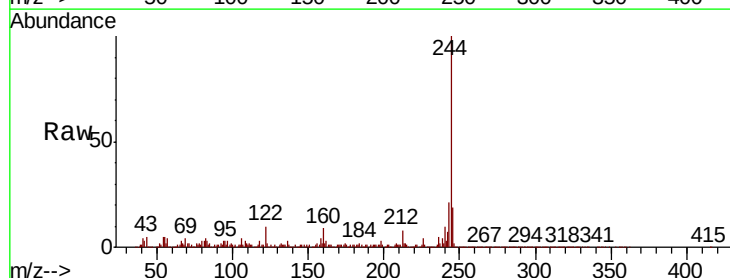
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 42.190 ng
RT: 19.38 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.5	8.2	12.4

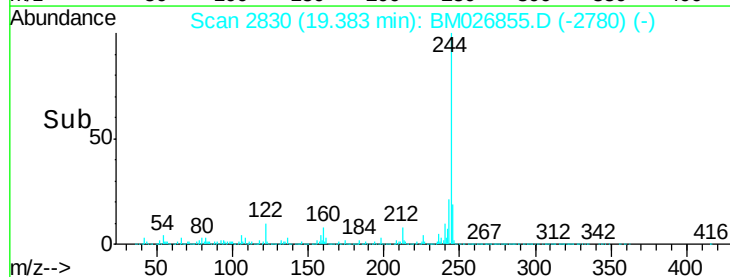
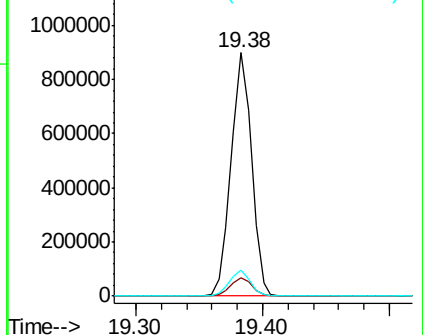


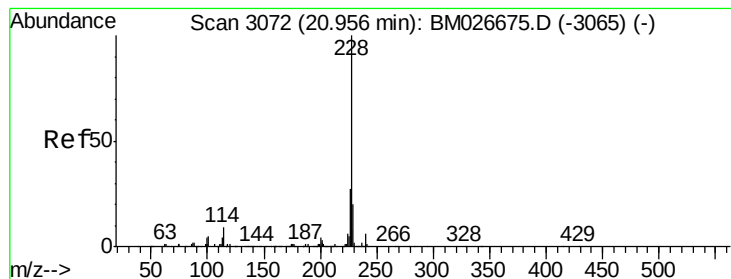
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.641 ng

RT: 20.93 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

Instrument :

BNA_M

ClientSampleId :

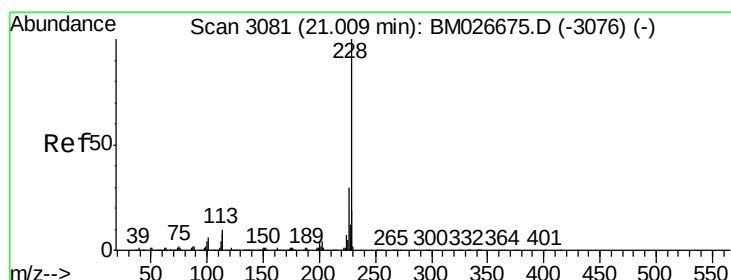
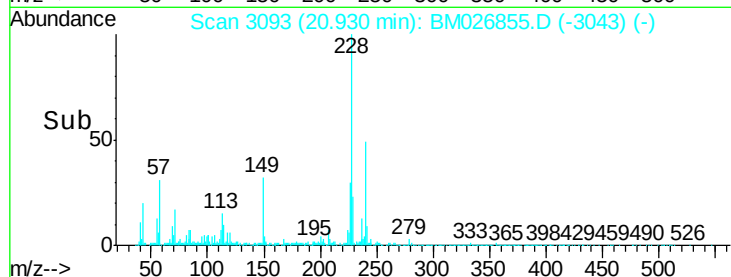
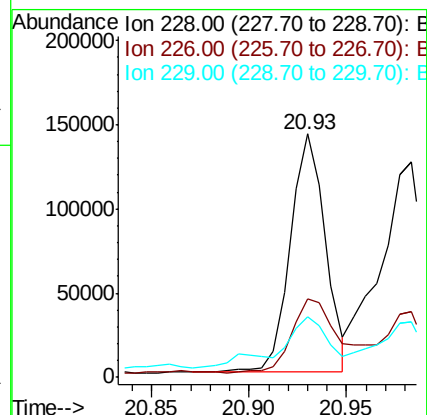
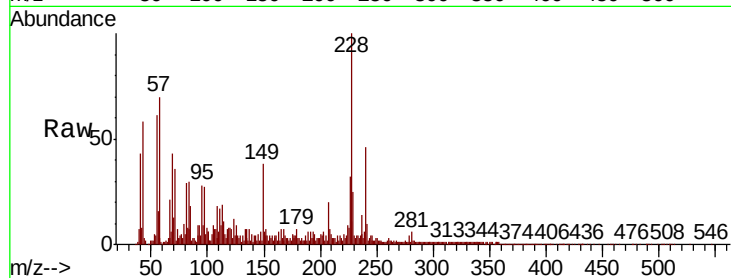
Tot Ion:228 Resp: 177316

Ion Ratio Lower Upper

228 100

226 32.4 21.4 32.2#

229 24.8 15.6 23.4#



#83

Chrysene

Concen: 6.542 ng

RT: 20.98 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

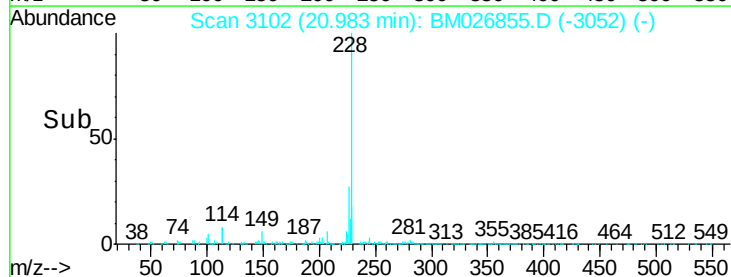
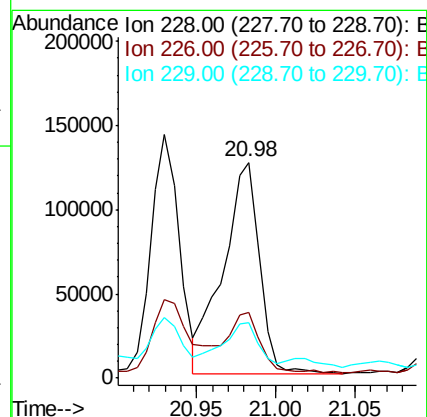
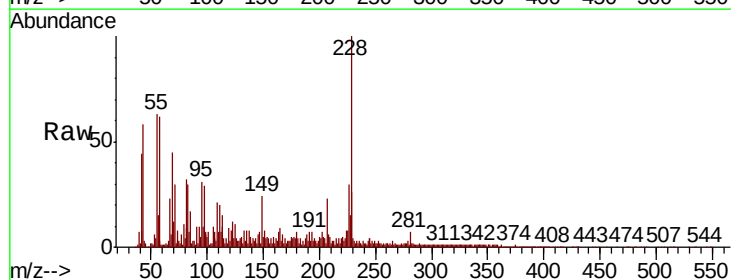
Tgt Ion:228 Resp: 200139

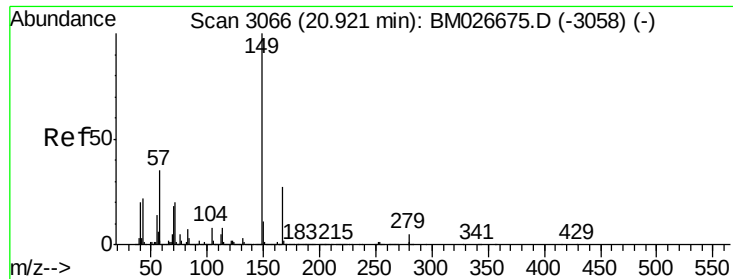
Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 26.0 15.4 23.0#





#84

Bis(2-ethylhexyl)phthalate

Concen: 25.579 ng

RT: 20.89 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

Instrument :

BNA_M

ClientSampleId :

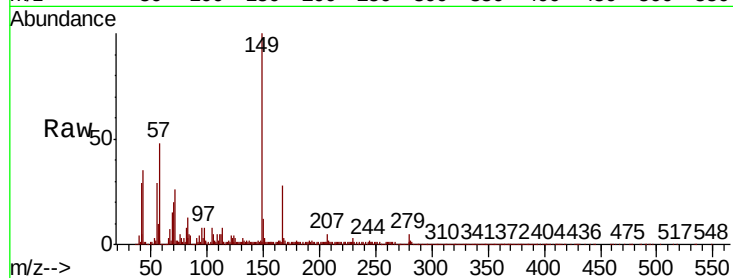
Tot Ion:149 Resp: 542046

Ion Ratio Lower Upper

149 100

167 27.9 21.9 32.9

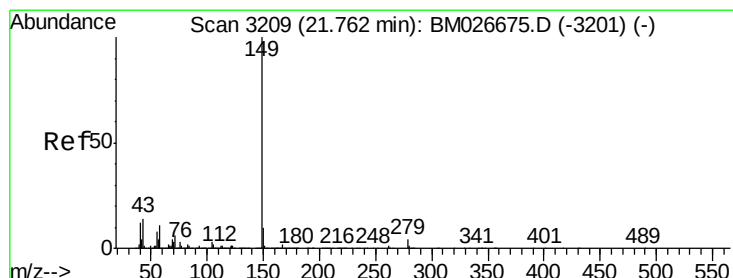
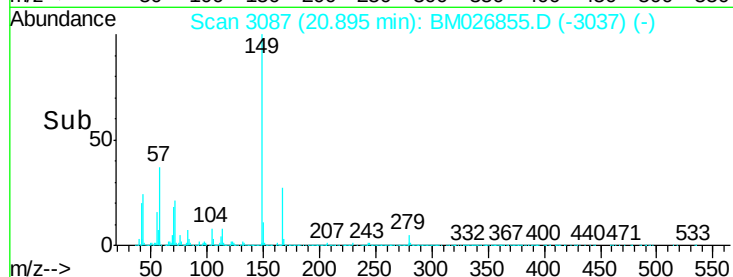
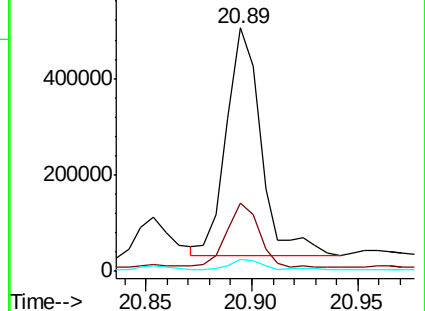
279 4.8 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 6.302 ng

RT: 21.74 min Scan# 3231

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

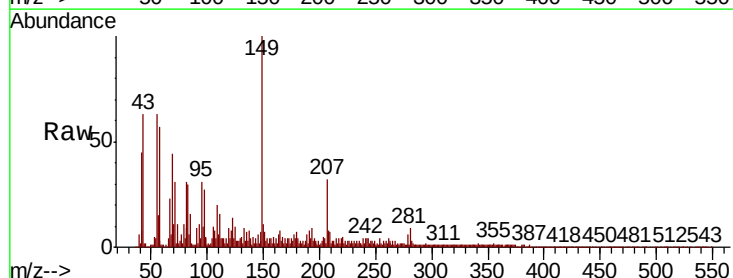
Tgt Ion:149 Resp: 228258

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

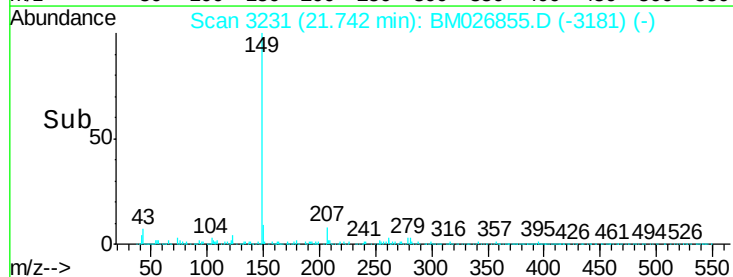
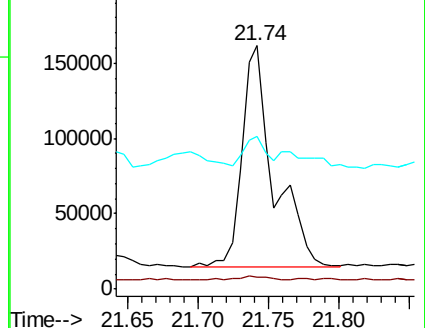
43 9.7 11.2 16.8#

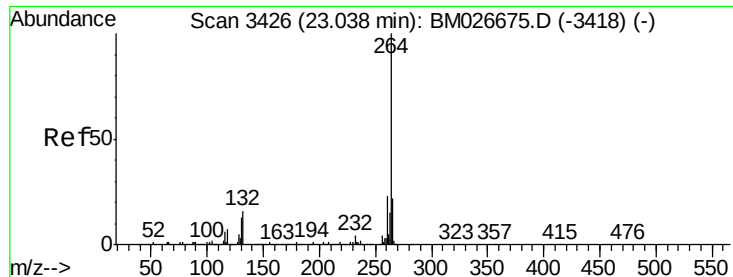


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0

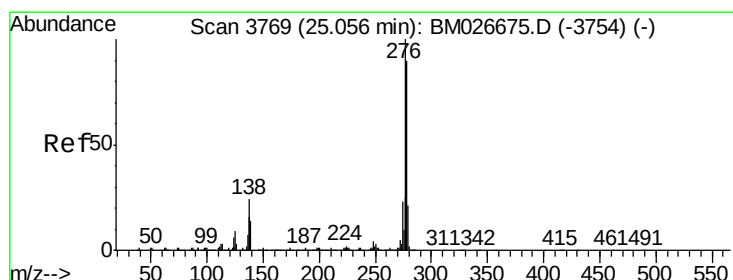
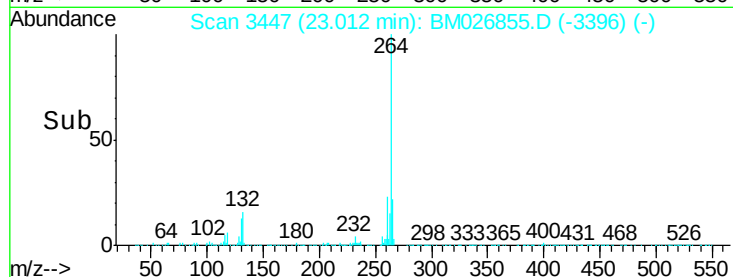
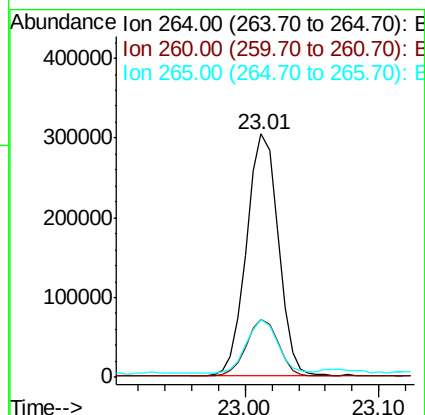
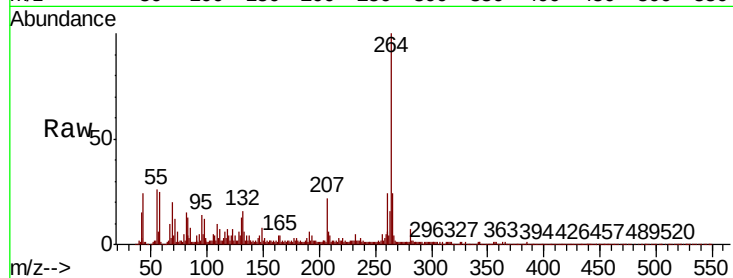




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.01 min Scan# 3447
Delta R.T. 0.00 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

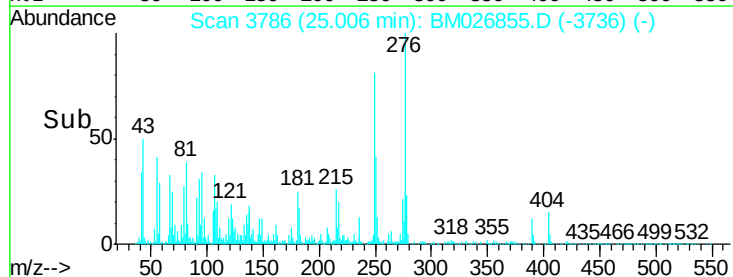
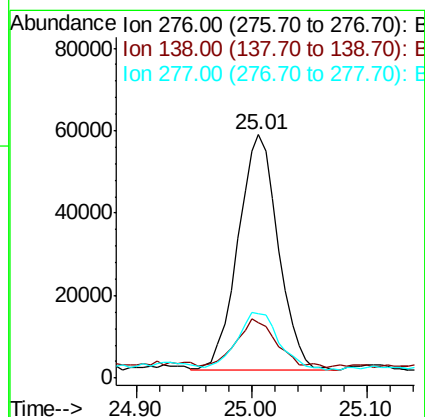
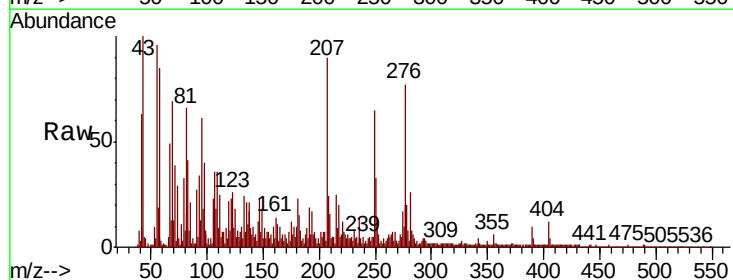
Instrument :
BNA_M
ClientSampleId :

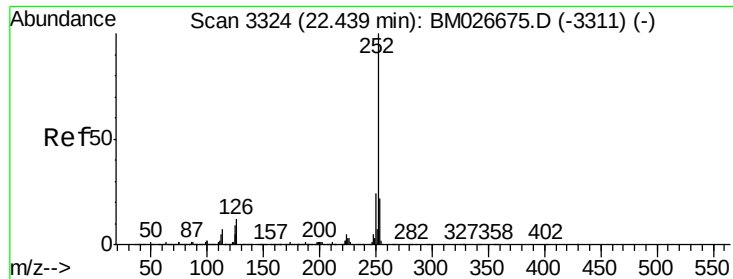
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	24.0	17.6	26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.854 ng
RT: 25.01 min Scan# 3786
Delta R.T. -0.01 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	18.4	27.6
277	26.1	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 10.553 ng

RT: 22.41 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

Instrument :

BNA_M

ClientSampleId :

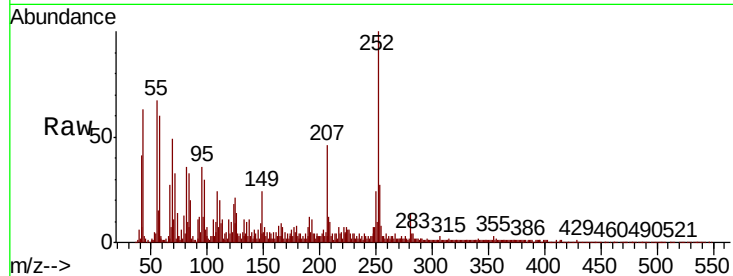
Tot Ion:252 Resp: 347740

Ion Ratio Lower Upper

252 100

253 26.6 17.5 26.3#

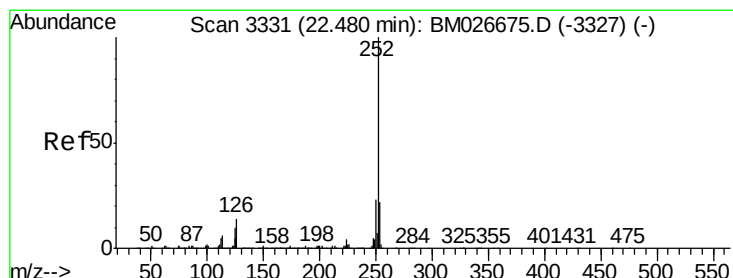
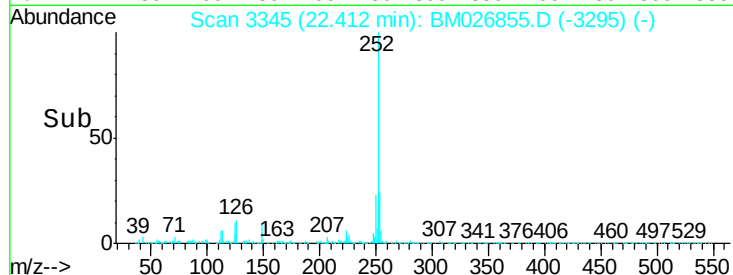
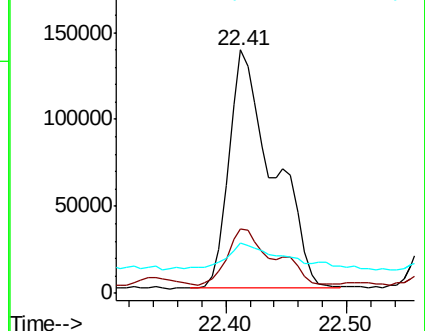
125 20.6 7.5 11.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 10.759 ng

RT: 22.41 min Scan# 3345

Delta R.T. -0.04 min

Lab File: BM026855.D

Acq: 23 Jul 2020 17:31

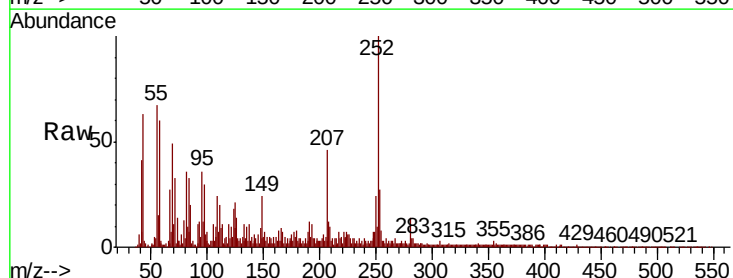
Tgt Ion:252 Resp: 347740

Ion Ratio Lower Upper

252 100

253 26.6 17.5 26.3#

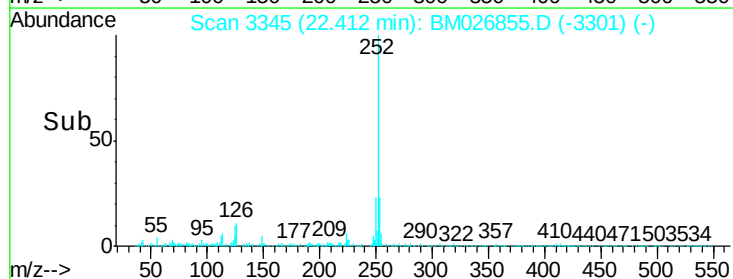
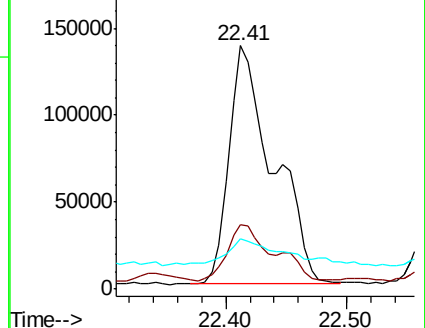
125 20.6 7.8 11.8#

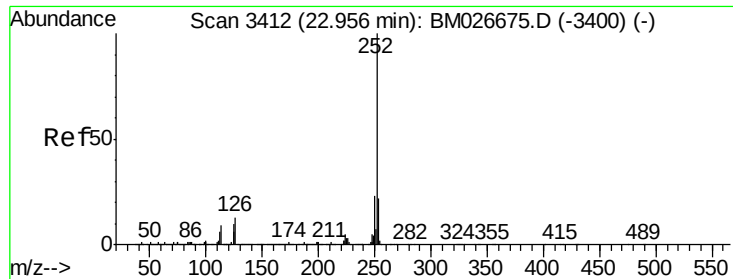


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

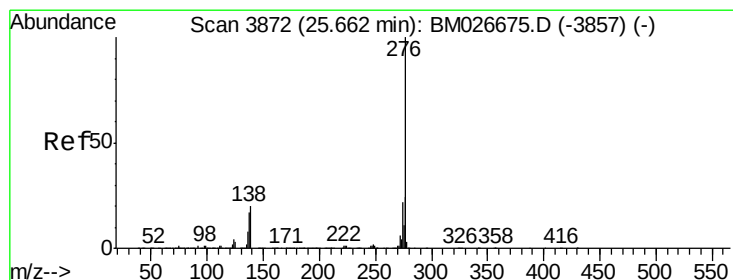
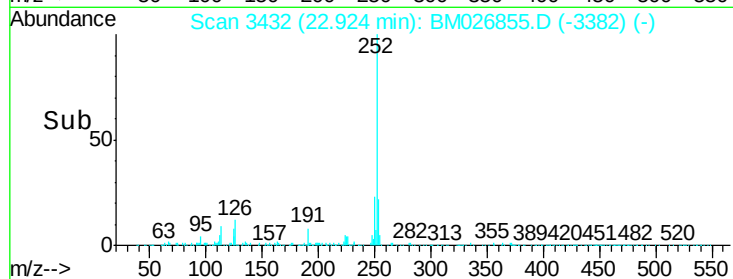
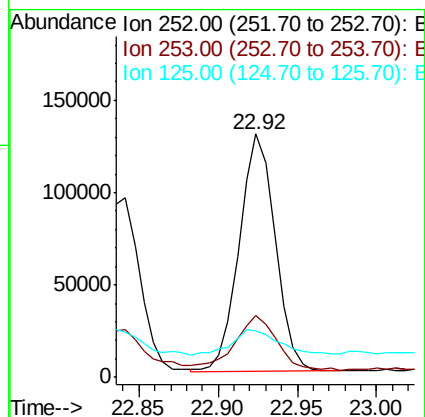
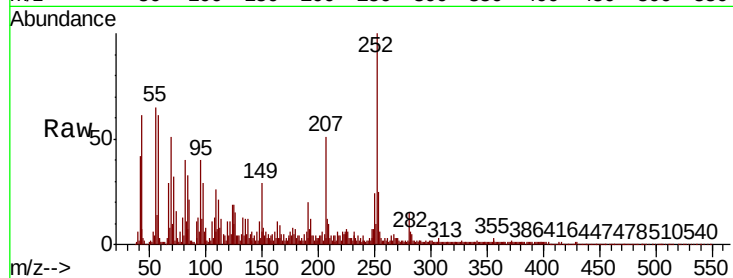




#90
Benzo(a)pyrene
Concen: 6.612 ng
RT: 22.92 min Scan# 3432
Delta R.T. -0.01 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 202274
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.2
125 19.0 8.2 12.4#



#92
Benzo(g,h,i)perylene
Concen: 4.987 ng
RT: 25.61 min Scan# 3889
Delta R.T. 0.00 min
Lab File: BM026855.D
Acq: 23 Jul 2020 17:31

Tgt Ion:276 Resp: 138103
Ion Ratio Lower Upper
276 100
277 28.2 19.1 28.7
138 20.8 15.8 23.8

