

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072320\
 Data File : BM026853.D
 Acq On : 23 Jul 2020 16:18
 Operator : JU/CG
 Sample : L3380-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 23 16:53:29 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	89675	20.00	ng	-0.02
21) Naphthalene-d8	10.04	136	347549	20.00	ng	-0.01
39) Acenaphthene-d10	13.96	164	249883	20.00	ng	0.00
64) Phenanthrene-d10	16.76	188	617855	20.00	ng	0.04
76) Chrysene-d12	20.96	240	500724	20.00	ng	0.01
86) Perylene-d12	23.01	264	463363	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.92	112	540962	101.11	ng	-0.02
7) Phenol-d6	6.50	99	708333	83.10	ng	-0.02
23) Nitrobenzene-d5	8.43	82	486416	59.71	ng	-0.02
42) 2,4,6-Tribromophenol	15.49	330	340121	93.44	ng	0.02
45) 2-Fluorobiphenyl	12.55	172	936632	49.84	ng	-0.01
79) Terphenyl-d14	19.42	244	1895188	74.49	ng	0.03

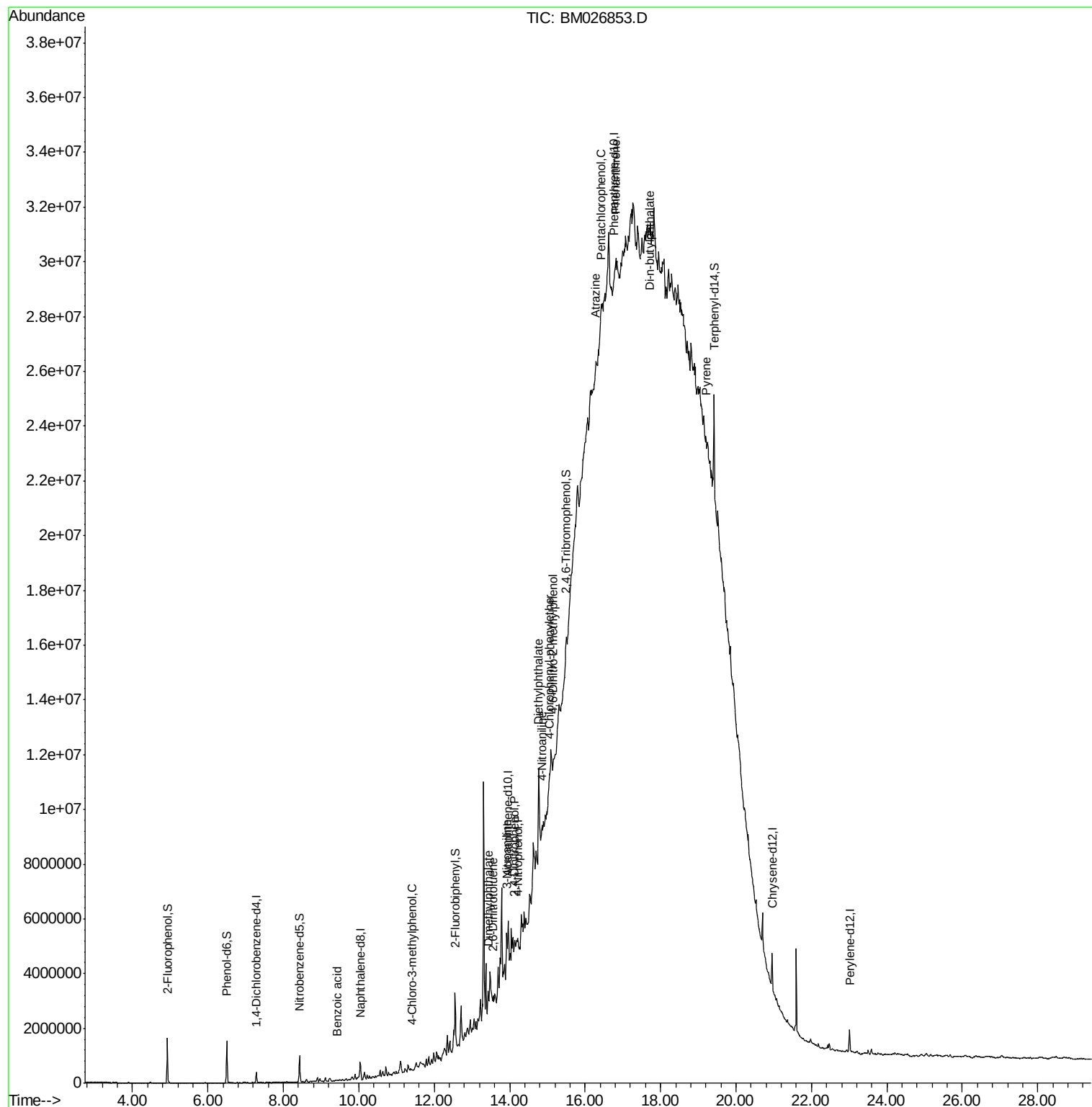
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.41	122	440	7.183	ng	# 1
36) 4-Chloro-3-methylphenol	11.40	107	14826	2.071	ng	# 26
50) Dimethylphthalate	13.43	163	211644	9.902	ng	# 88
51) 2,6-Dinitrotoluene	13.57	165	32299	7.057	ng	# 24
53) 3-Nitroaniline	13.92	138	17678	3.713	ng	# 27
54) 2,4-Dinitrophenol	14.12	184	342	6.369	ng	# 1
56) 4-Nitrophenol	14.23	139	1800	4.325	ng	# 1
60) Diethylphthalate	14.77	149	61490	2.721	ng	# 22
61) 4-Chlorophenyl-phenylether	15.04	204	71067	6.237	ng	# 34
62) 4-Nitroaniline	14.87	138	59226	13.090	ng	# 82
65) 4,6-Dinitro-2-methylphenol	15.15	198	7665	6.065	ng	# 1
69) Atrazine	16.28	200	50404	8.537	ng	# 1
70) Pentachlorophenol	16.43	266	24632	5.379	ng	# 10
71) Phenanthrene	16.81	178	75330	2.065	ng	# 1
74) Di-n-butylphthalate	17.72	149	189883	4.362	ng	# 35
78) Pyrene	19.21	202	98681	3.128	ng	# 15

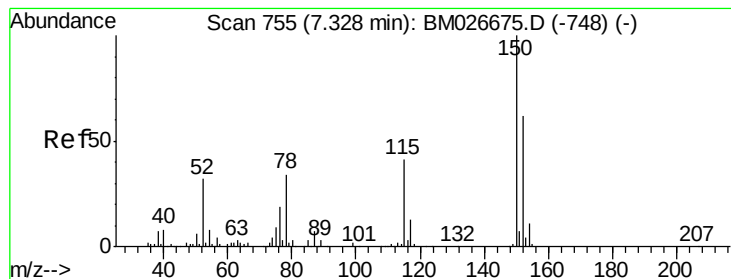
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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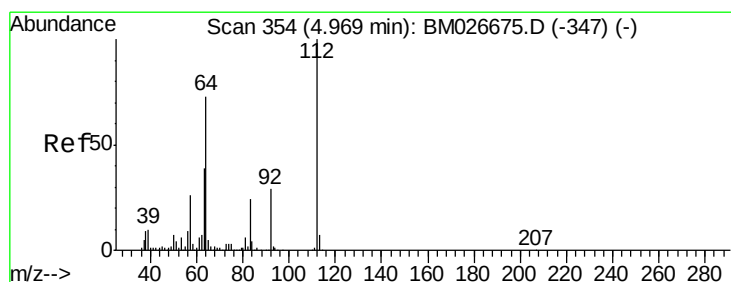
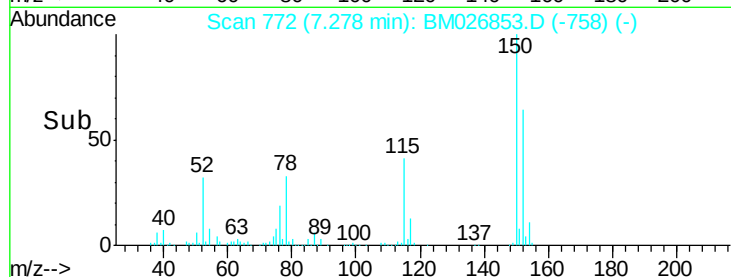
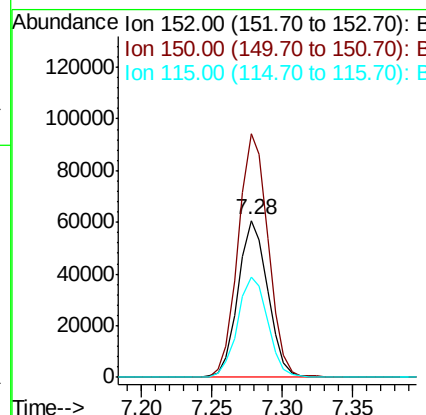
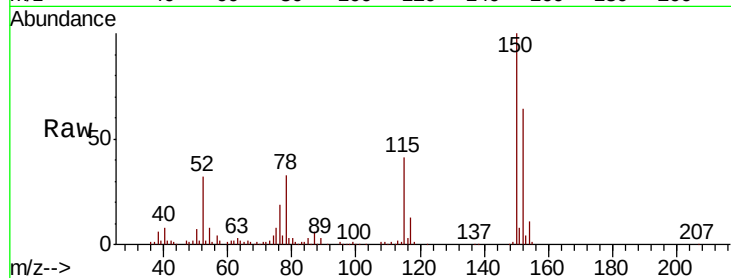


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.28 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Instrument :
BNA_M
ClientSampleId :

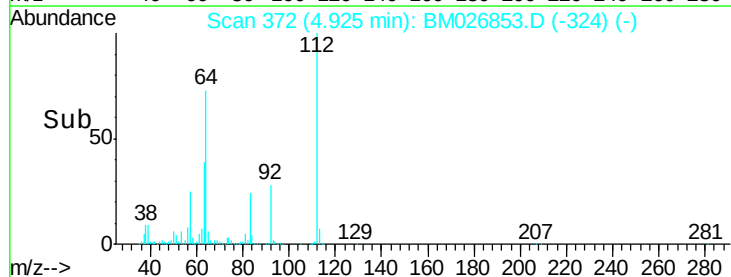
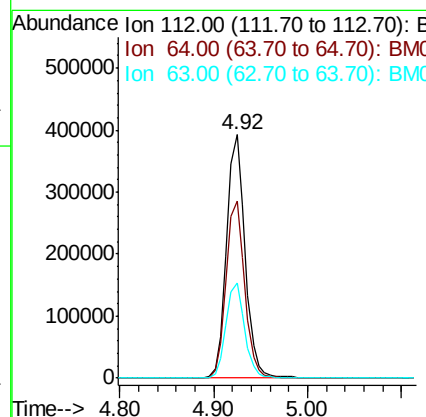
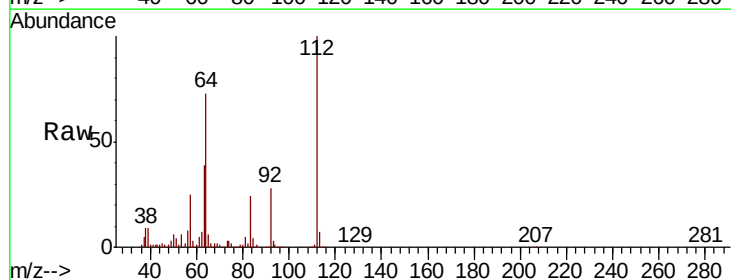
Tot Ion:152 Resp: 89675
Ion Ratio Lower Upper
152 100
150 155.3 128.1 192.1
115 63.9 52.2 78.4

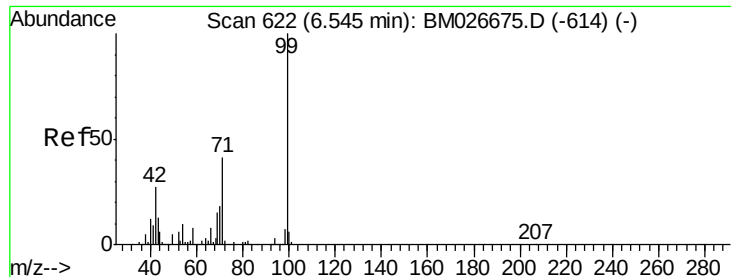


#5

2-Fluorophenol
Concen: 101.110 ng
RT: 4.92 min Scan# 372
Delta R.T. -0.02 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion:112 Resp: 540962
Ion Ratio Lower Upper
112 100
64 72.7 58.4 87.6
63 39.1 31.5 47.3





#7

Phenol-d6

Concen: 83.096 ng

RT: 6.50 min Scan# 639

Delta R.T. -0.02 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

Instrument :

BNA_M

ClientSampleId :

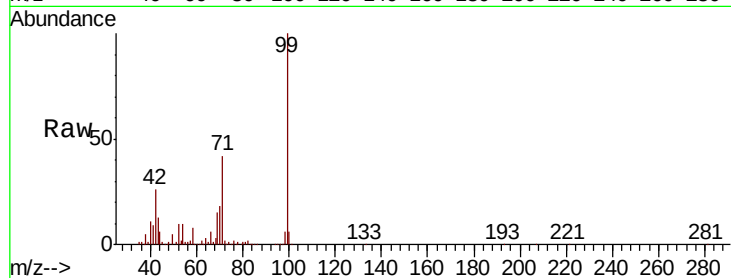
Tot Ion: 99 Resp: 708333

Ion Ratio Lower Upper

99 100

42 25.9 21.7 32.5

71 41.7 33.2 49.8

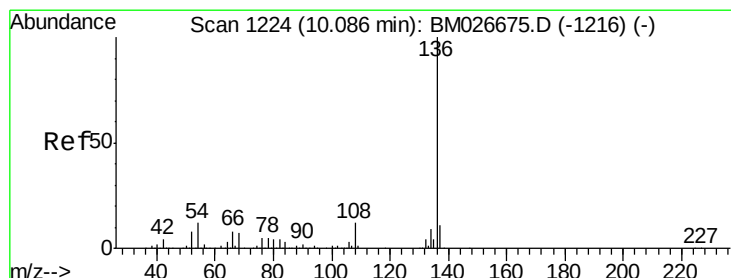
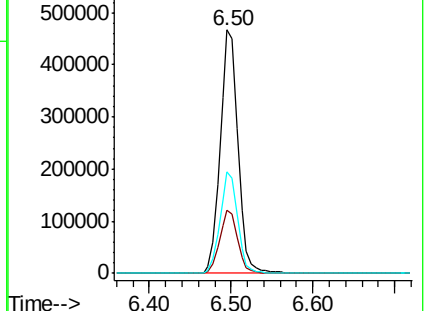
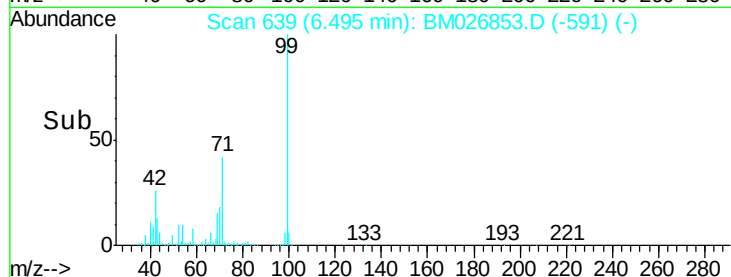


Abundance Ion 99.00 (98.70 to 99.70): BM026675.D (-614) (-)

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

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

6.50



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.04 min Scan# 1241

Delta R.T. -0.01 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

Tgt Ion: 136 Resp: 347549

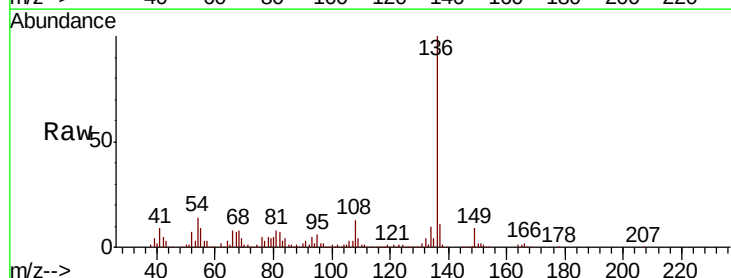
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 13.5 9.8 14.6

68 8.2 5.8 8.6



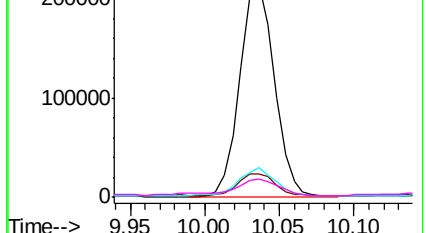
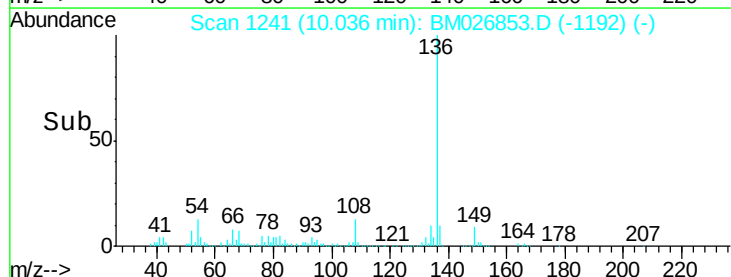
Abundance Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

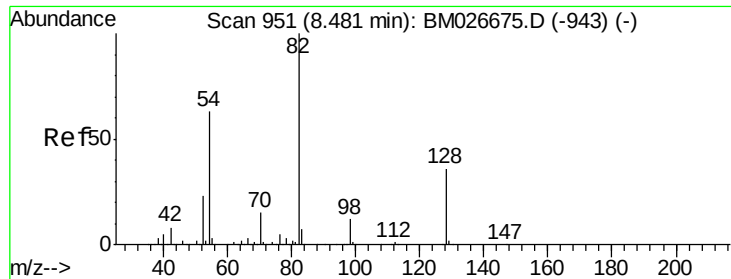
Ion 137.00 (136.70 to 137.70): BM026675.D (-1216) (-)

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

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

10.04

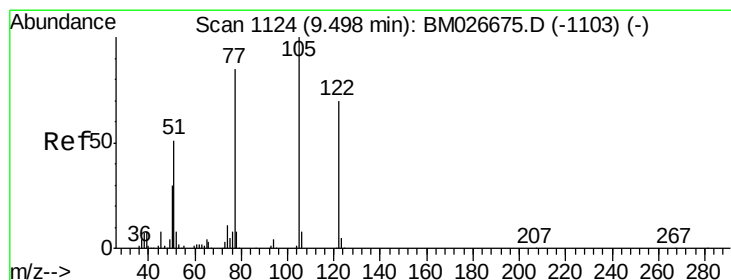
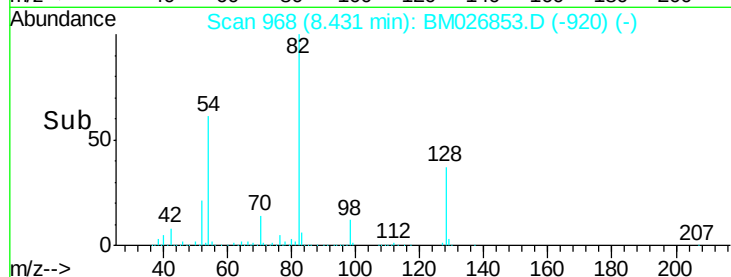
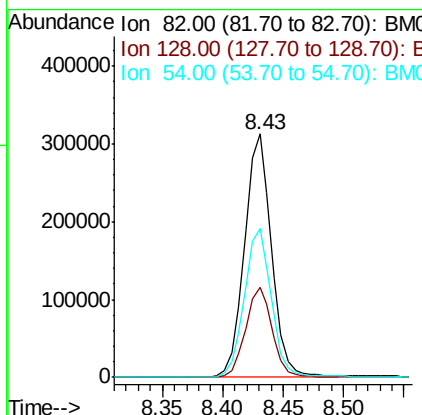
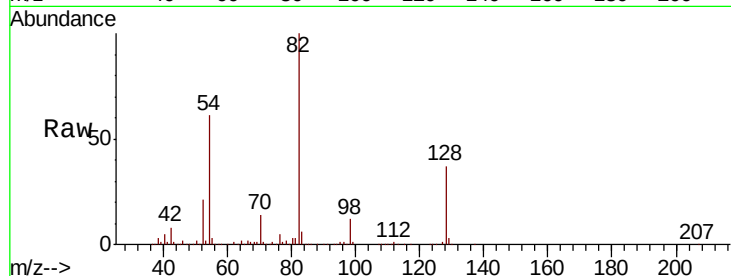




#23
Nitrobenzene-d5
Concen: 59.710 ng
RT: 8.43 min Scan# 968
Delta R.T. -0.02 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

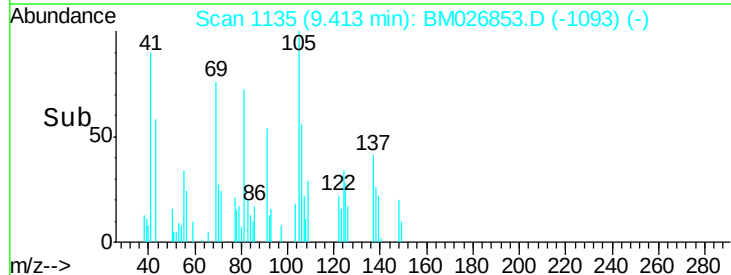
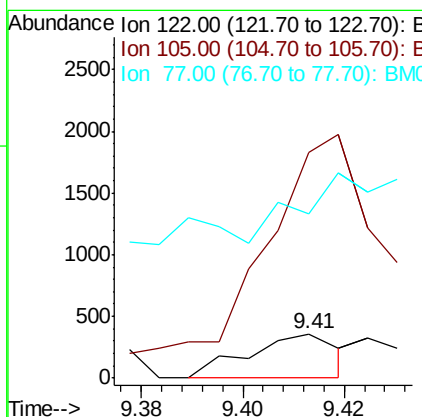
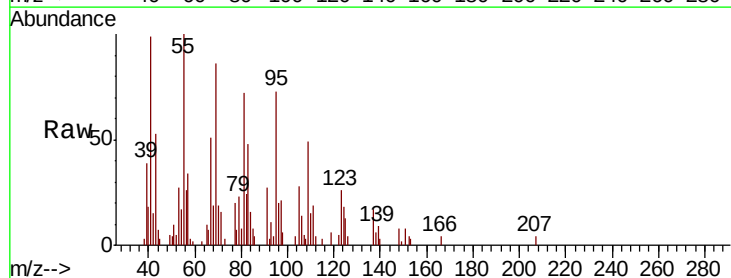
Instrument :
BNA_M
ClientSampleId :

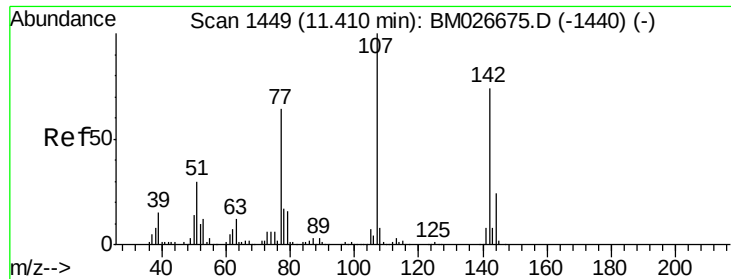
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.9	29.1	43.7
54	61.2	50.2	75.4



#32
Benzoic acid
Concen: 7.183 ng
RT: 9.41 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion	Ratio	Lower	Upper
122	100		
105	508.3	120.9	160.9#
77	370.0	100.0	140.0#

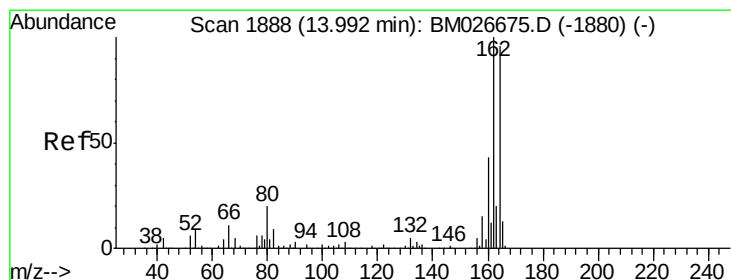
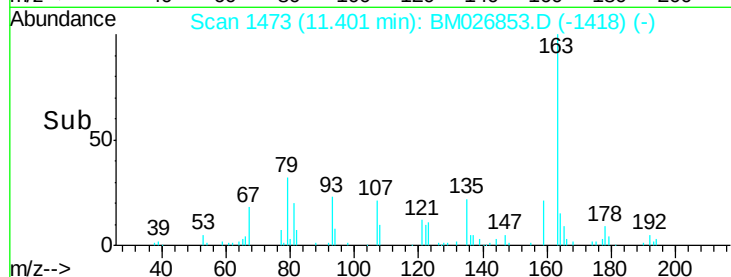
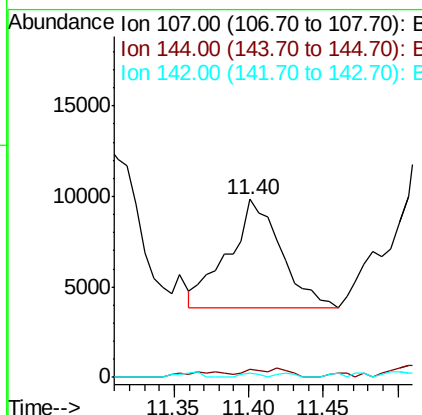
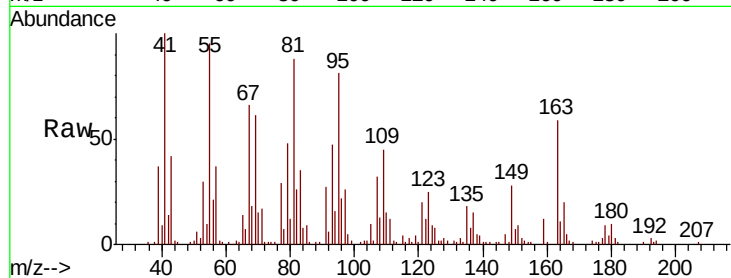




#36
4-Chloro-3-methylphenol
Concen: 2.071 ng
RT: 11.40 min Scan# 1473
Delta R.T. 0.02 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

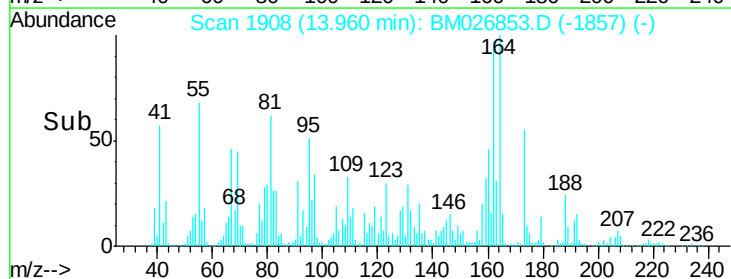
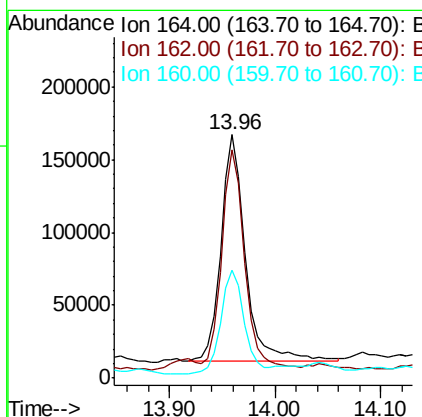
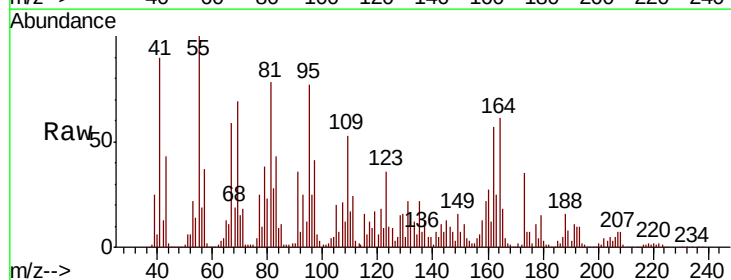
Instrument :
BNA_M
ClientSampled :

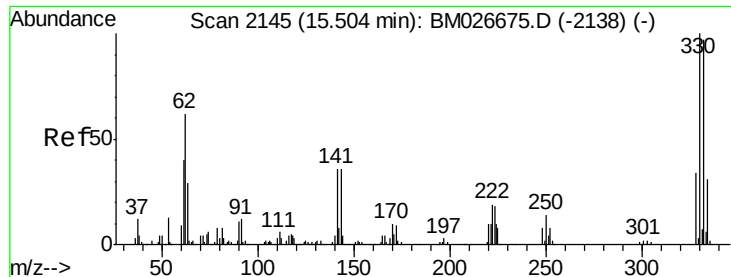
Tot Ion:107 Resp: 14826
Ion Ratio Lower Upper
107 100
144 4.4 18.9 28.3#
142 2.2 59.0 88.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.96 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion:164 Resp: 249883
Ion Ratio Lower Upper
164 100
162 93.6 83.7 125.5
160 44.3 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 93.439 ng

RT: 15.49 min Scan# 2168

Delta R.T. 0.02 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

Instrument :

BNA_M

ClientSampleId :

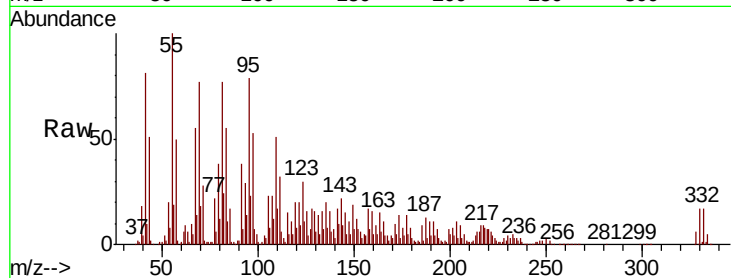
Tot Ion:330 Resp: 340121

Ion Ratio Lower Upper

330 100

332 96.8 77.5 116.3

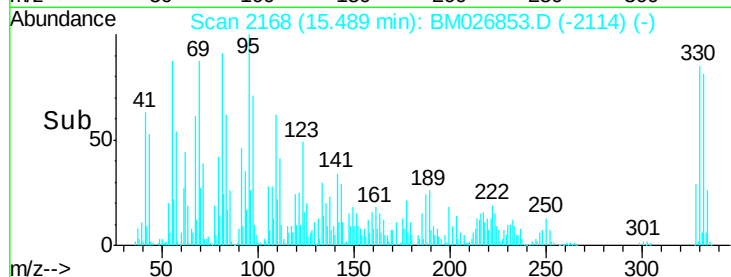
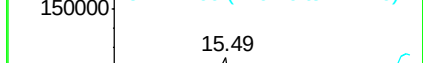
141 26.5 32.4 48.6#



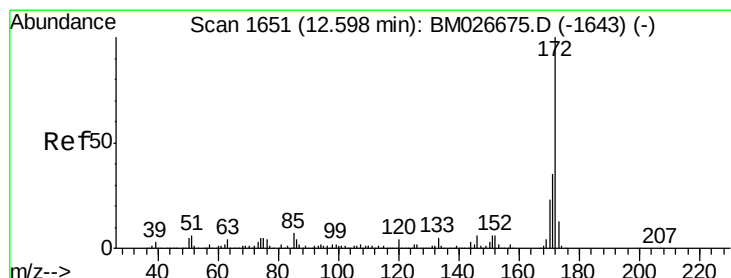
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#45

2-Fluorobiphenyl

Concen: 49.838 ng

RT: 12.55 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

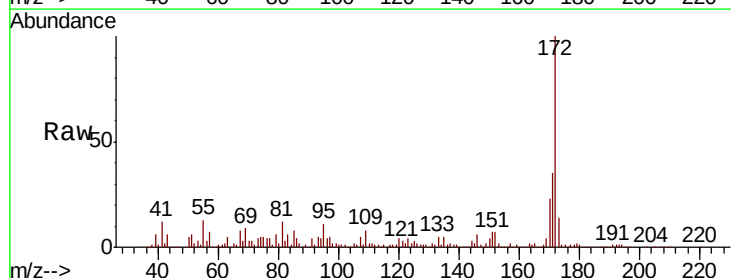
Tgt Ion:172 Resp: 936632

Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

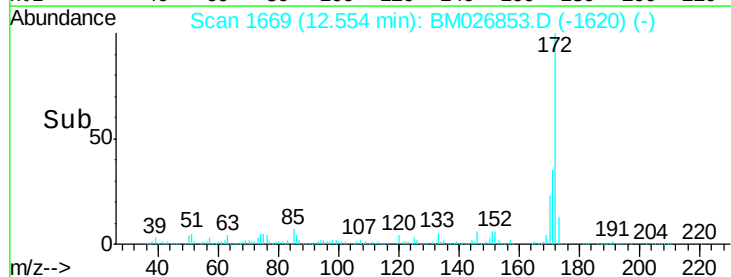
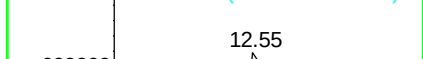
170 23.0 18.5 27.7



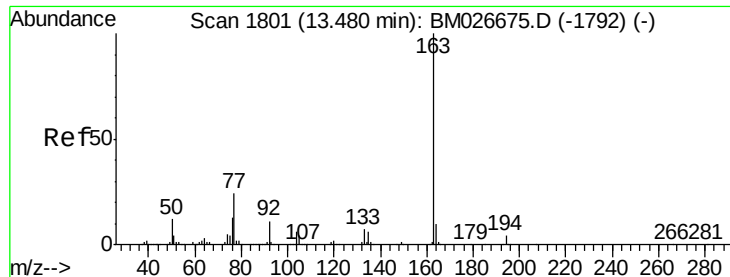
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#50

Dimethylphthalate

Concen: 9.902 ng

RT: 13.43 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

Instrument :

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ClientSampleId :

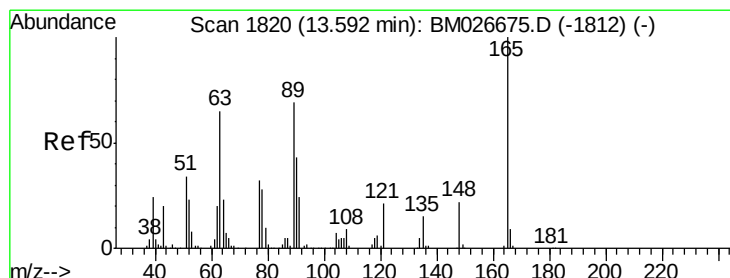
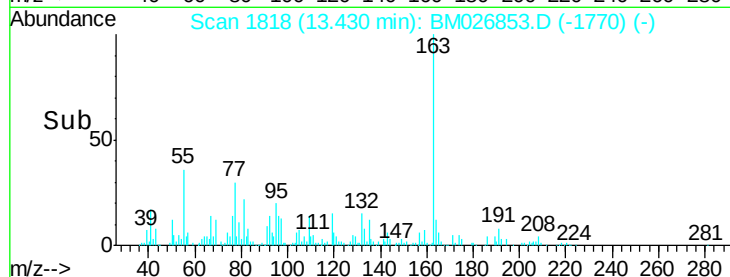
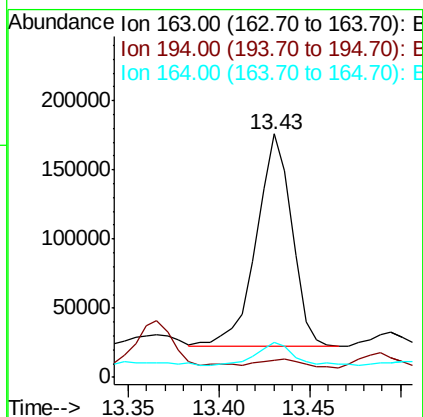
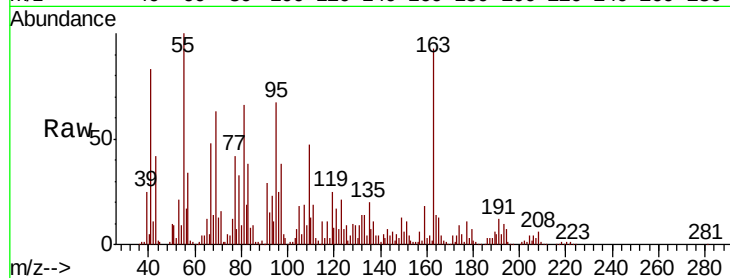
Tot Ion:163 Resp: 211644

Ion Ratio Lower Upper

163 100

194 7.0 3.4 5.2#

164 14.6 7.8 11.6#



#51

2,6-Dinitrotoluene

Concen: 7.057 ng

RT: 13.57 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

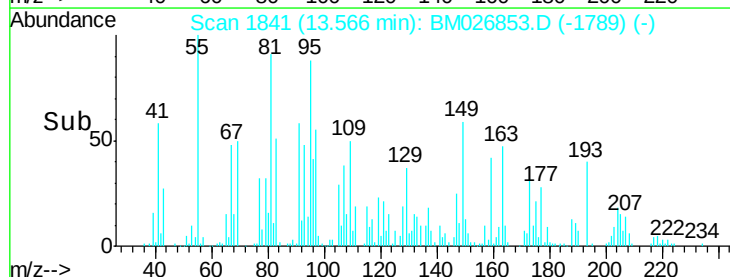
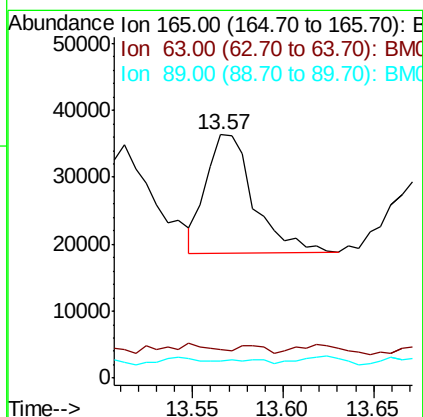
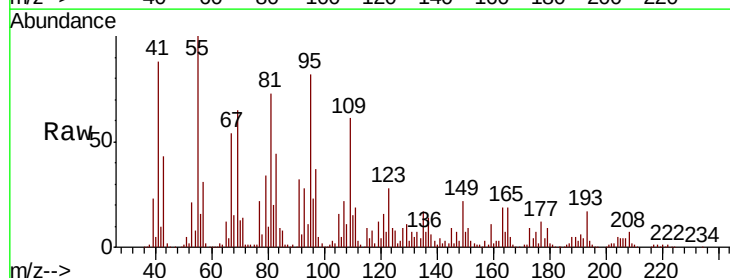
Tgt Ion:165 Resp: 32299

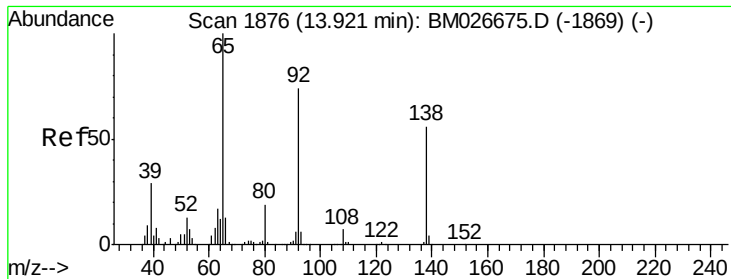
Ion Ratio Lower Upper

165 100

63 11.6 61.1 91.7#

89 7.0 54.9 82.3#

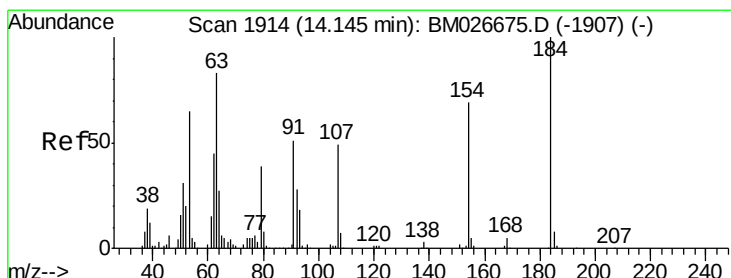
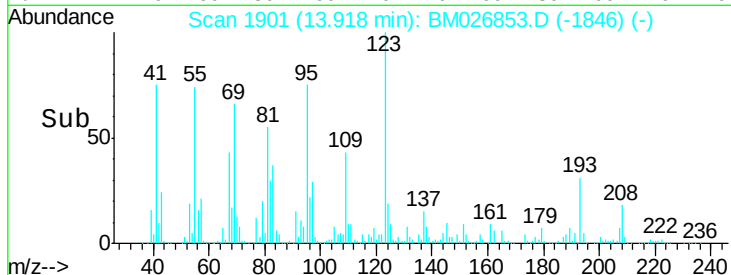
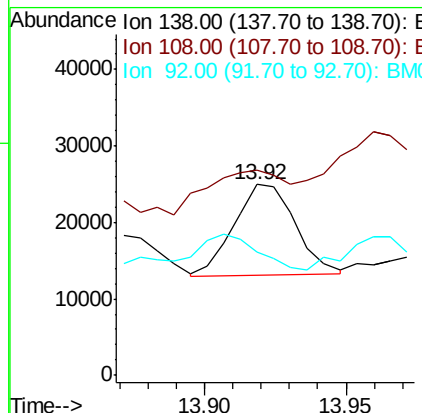
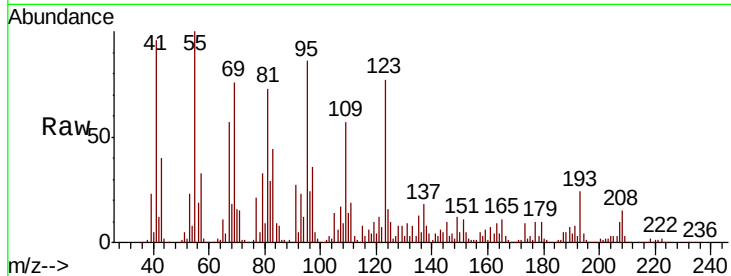




#53
3-Nitroaniline
Concen: 3.713 ng
RT: 13.92 min Scan# 1901
Delta R.T. 0.02 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

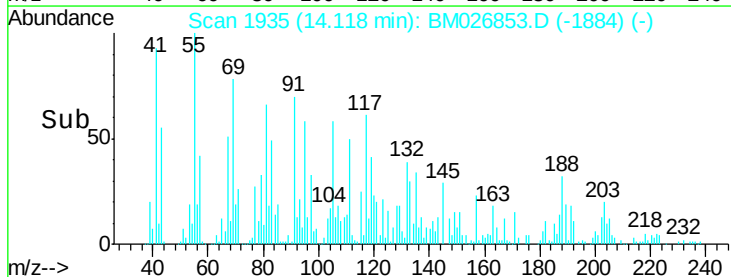
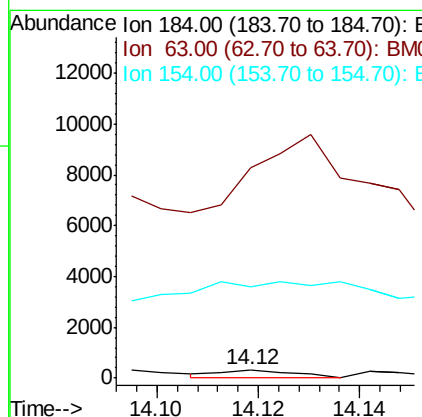
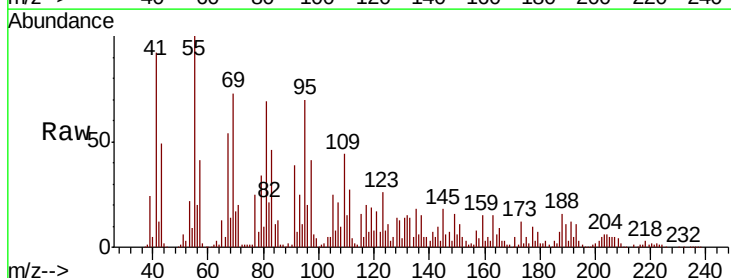
Instrument :
BNA_M
ClientSampleId :

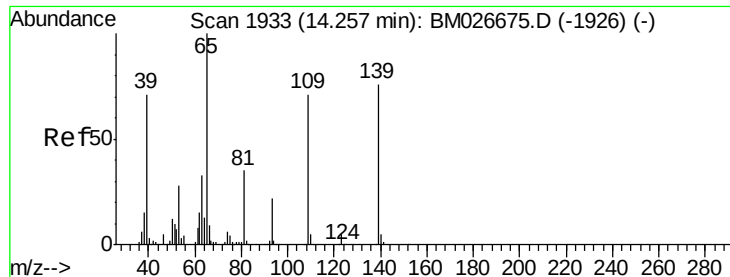
Tot Ion:138 Resp: 17678
Ion Ratio Lower Upper
138 100
108 107.8 9.7 14.5#
92 64.6 105.6 158.4#



#54
2,4-Dinitrophenol
Concen: 6.369 ng
RT: 14.12 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion:184 Resp: 342
Ion Ratio Lower Upper
184 100
63 2567.4 66.2 99.4#
154 1116.5 55.2 82.8#

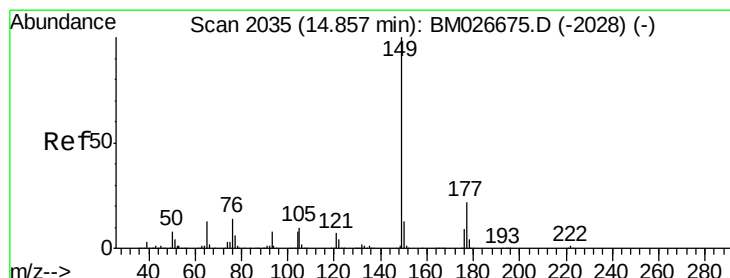
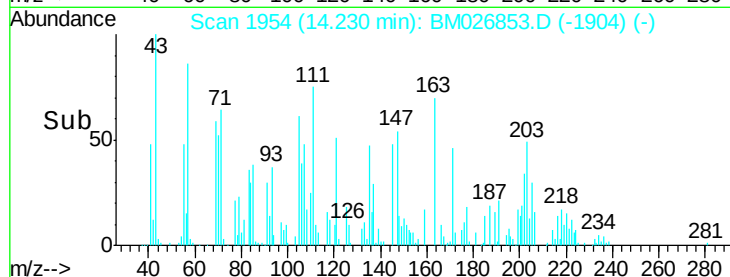
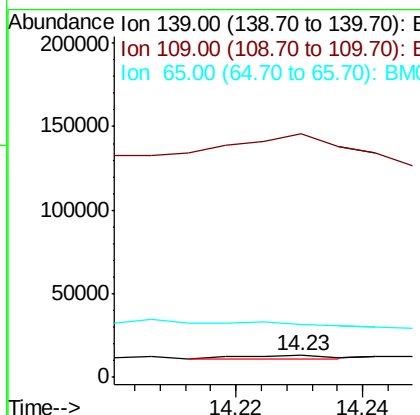
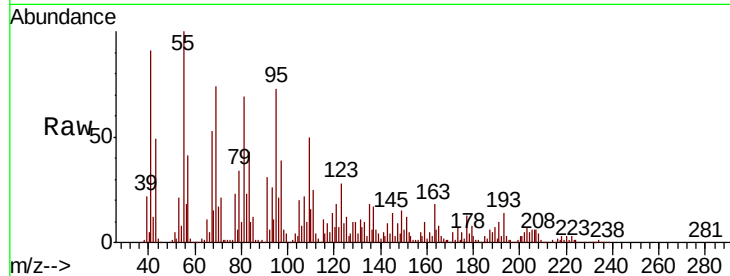




#56
4-Nitrophenol
Concen: 4.325 ng
RT: 14.23 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

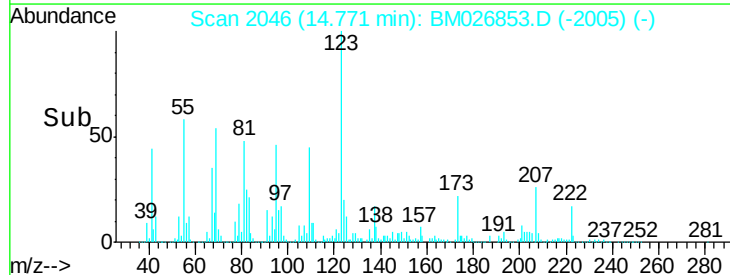
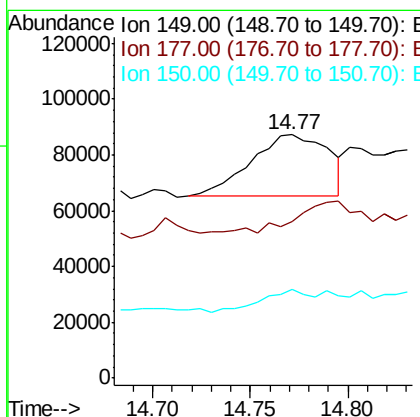
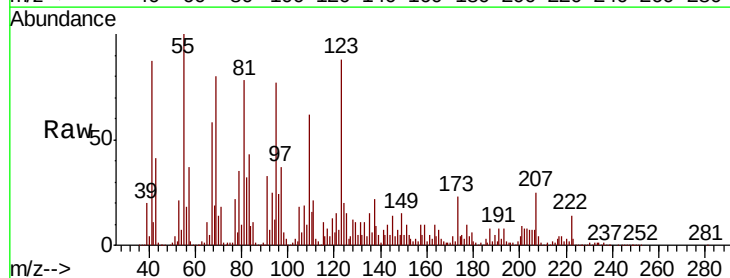
Instrument :
BNA_M
ClientSampleId :

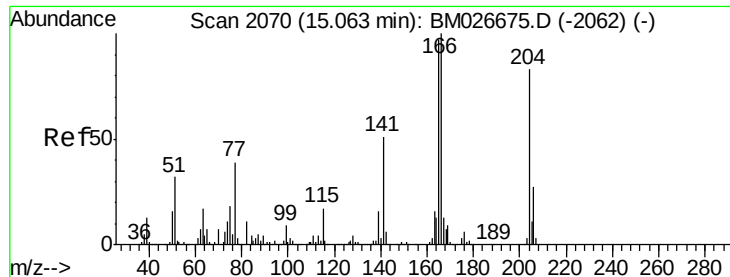
Tot Ion:139 Resp: 1800
Ion Ratio Lower Upper
139 100
109 1128.7 73.7 113.7#
65 247.0 111.5 151.5#



#60
Diethylphthalate
Concen: 2.721 ng
RT: 14.77 min Scan# 2046
Delta R.T. -0.06 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion:149 Resp: 61490
Ion Ratio Lower Upper
149 100
177 64.3 17.8 26.6#
150 36.5 10.2 15.4#

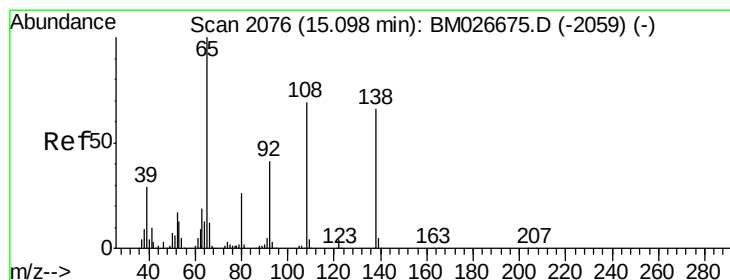
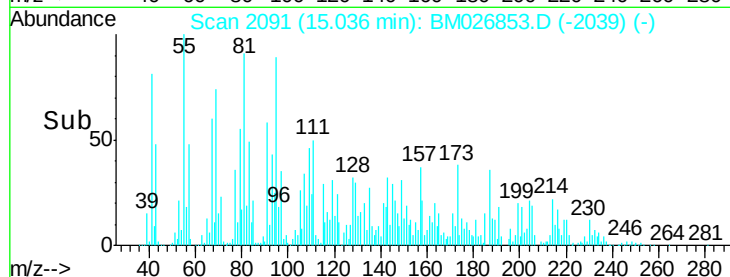
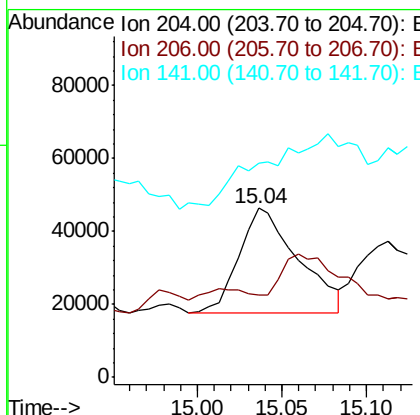
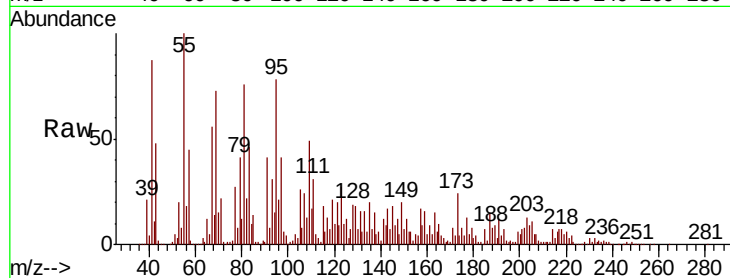




#61
4-Chlorophenyl-phenylether
Concen: 6.237 ng
RT: 15.04 min Scan# 2091
Delta R.T. 0.01 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

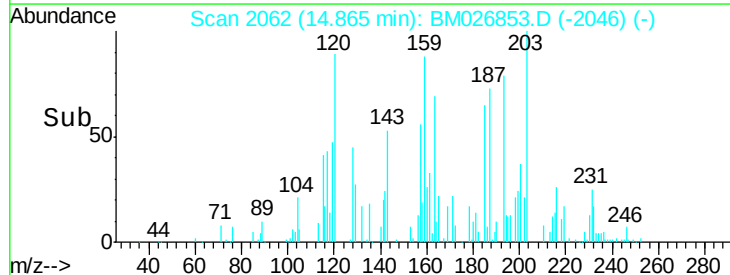
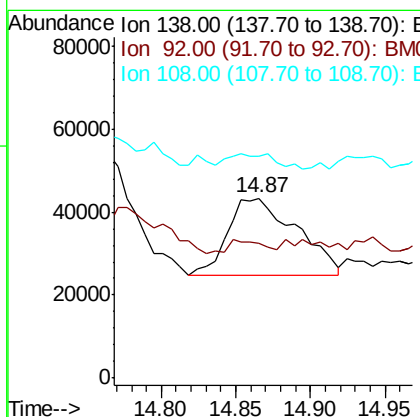
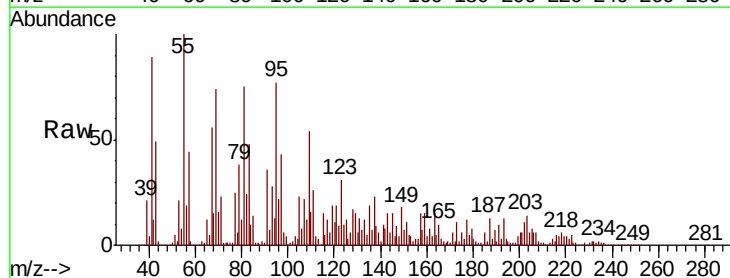
Instrument :
BNA_M
ClientSampleId :

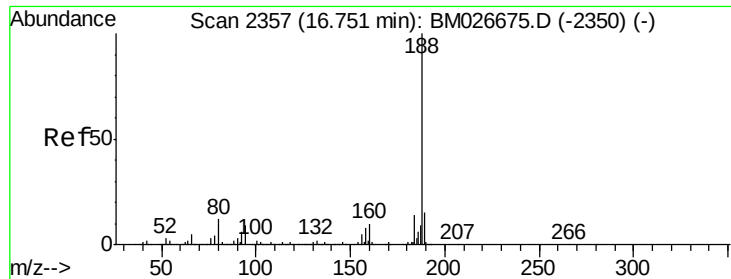
Tot Ion:204 Resp: 71067
Ion Ratio Lower Upper
204 100
206 49.0 25.9 38.9#
141 126.8 49.5 74.3#



#62
4-Nitroaniline
Concen: 13.090 ng
RT: 14.87 min Scan# 2062
Delta R.T. -0.21 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion:138 Resp: 59226
Ion Ratio Lower Upper
138 100
92 74.7 41.5 81.5
108 123.3 84.8 124.8

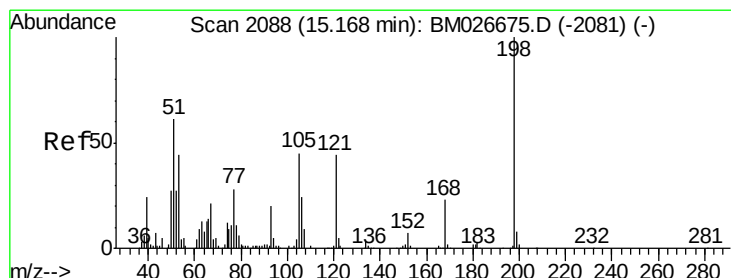
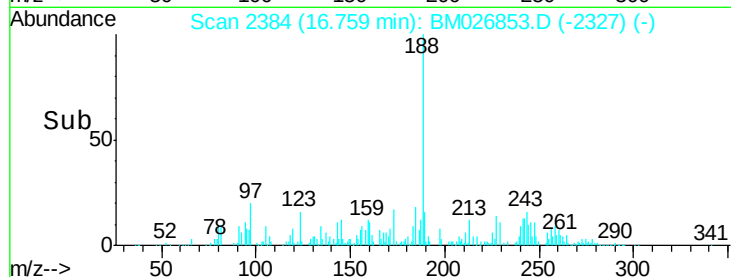
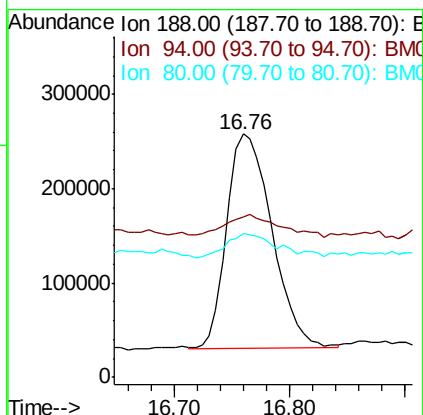
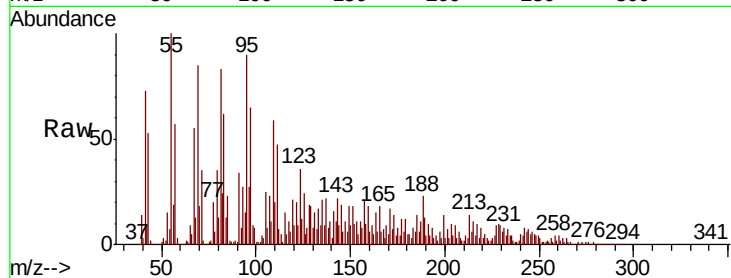




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.76 min Scan# 2384
Delta R.T. 0.04 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

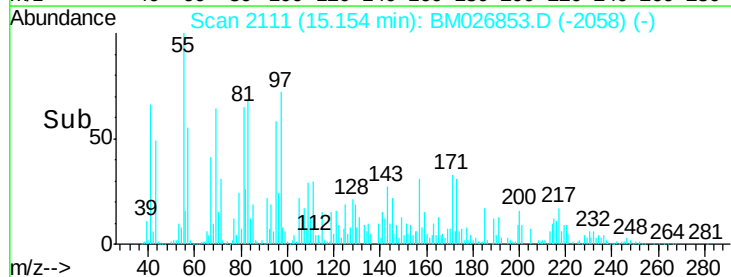
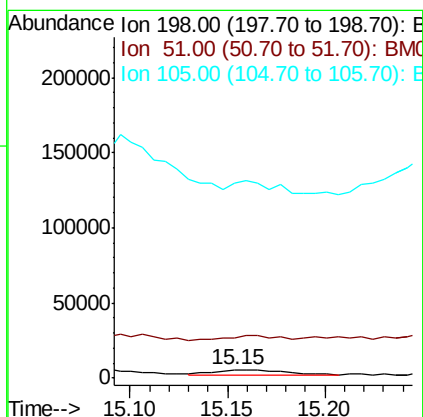
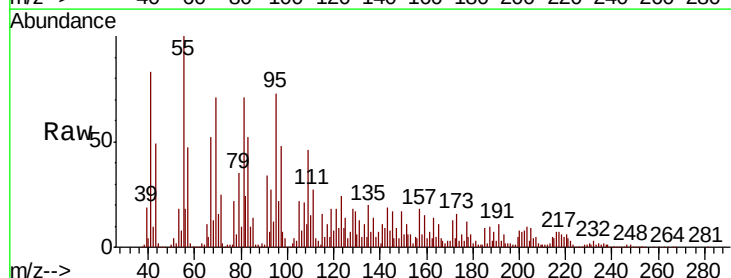
Instrument :
BNA_M
ClientSampled :

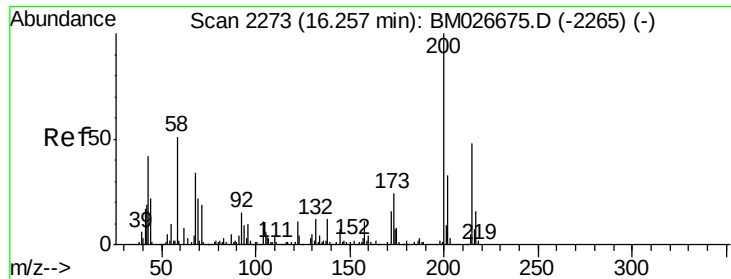
Tot Ion:188 Resp: 617855
Ion Ratio Lower Upper
188 100
94 66.0 7.4 11.0#
80 59.2 9.3 13.9#



#65
4,6-Dinitro-2-methylphenol
Concen: 6.065 ng
RT: 15.15 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion:198 Resp: 7665
Ion Ratio Lower Upper
198 100
51 468.8 42.0 82.0#
105 2299.3 24.9 64.9#

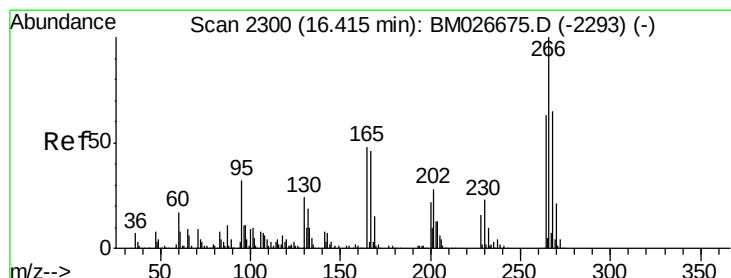
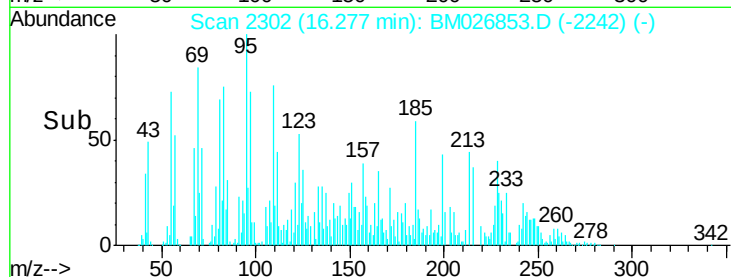
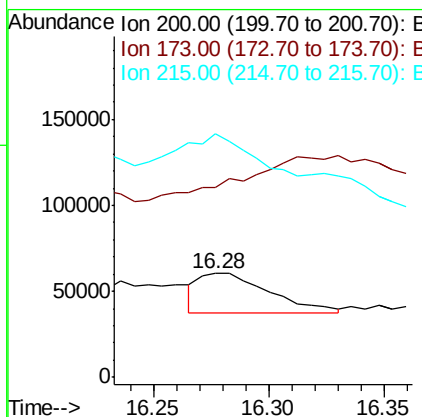
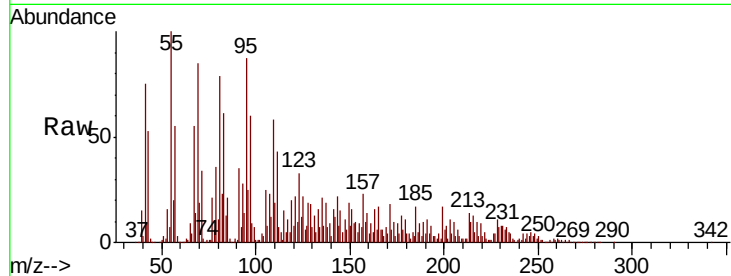




#69
Atrazine
Concen: 8.537 ng
RT: 16.28 min Scan# 2302
Delta R.T. 0.05 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

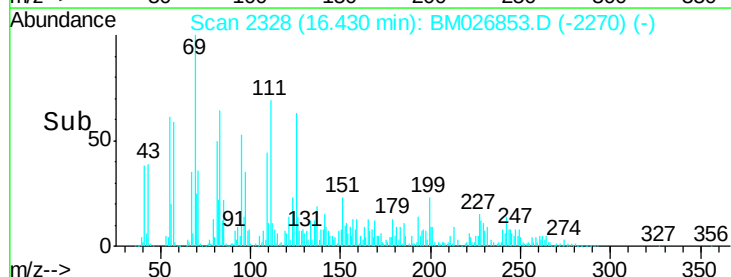
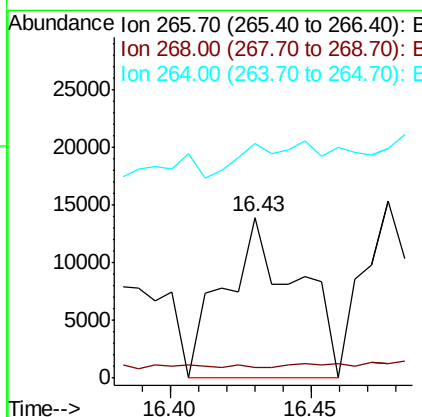
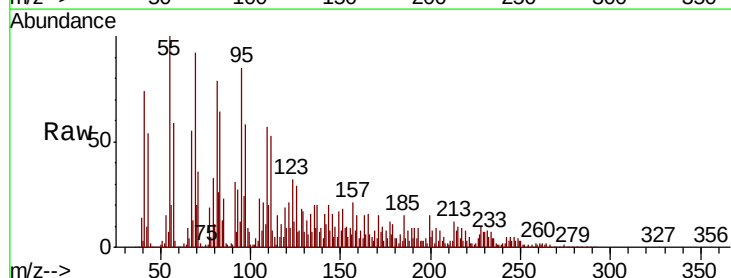
Instrument :
BNA_M
ClientSampleId :

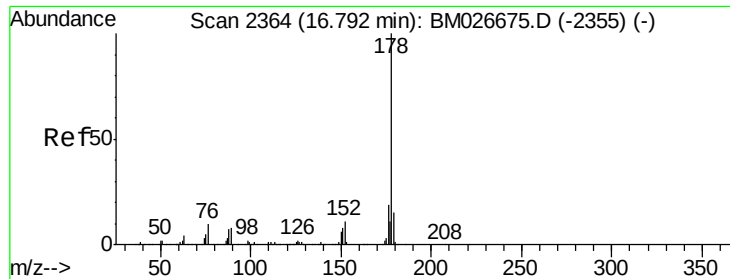
Tot Ion	Ratio	Lower	Upper
200	100		
173	182.4	4.5	44.5#
215	234.6	28.4	68.4#



#70
Pentachlorophenol
Concen: 5.379 ng
RT: 16.43 min Scan# 2328
Delta R.T. 0.04 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion	Ratio	Lower	Upper
266	100		
268	6.8	51.8	77.6#
264	145.9	50.1	75.1#





#71

Phenanthrene

Concen: 2.065 ng

RT: 16.81 min Scan# 2393

Delta R.T. 0.05 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

Instrument :

BNA_M

ClientSampled :

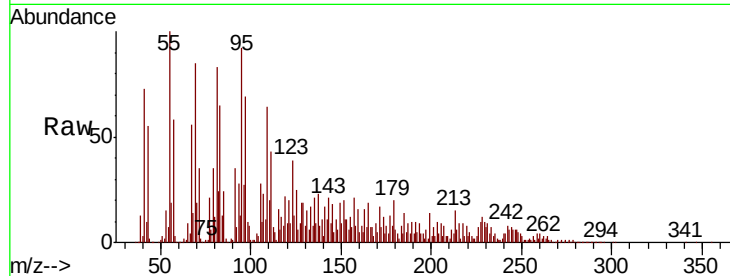
Tot Ion:178 Resp: 75330

Ion Ratio Lower Upper

178 100

176 52.9 15.0 22.6#

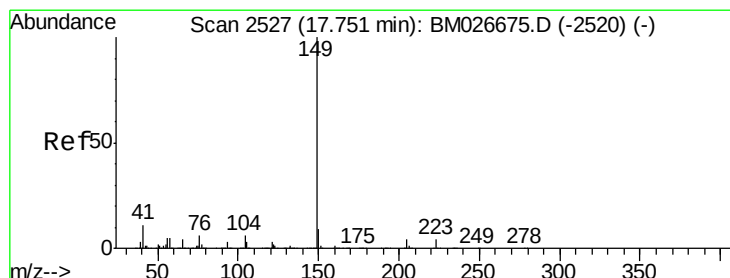
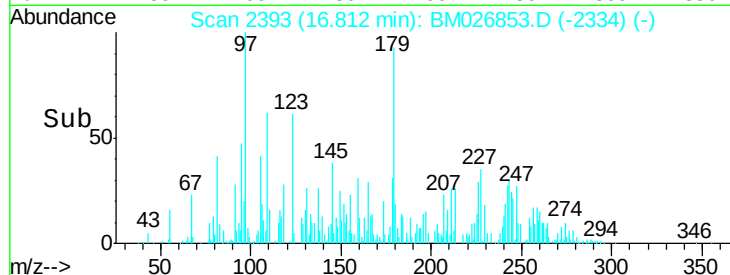
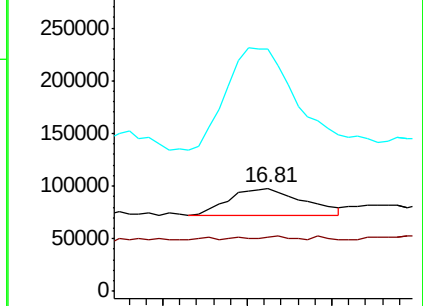
179 234.7 12.1 18.1#



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



#74

Di-n-butylphthalate

Concen: 4.362 ng

RT: 17.72 min Scan# 2547

Delta R.T. -0.01 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

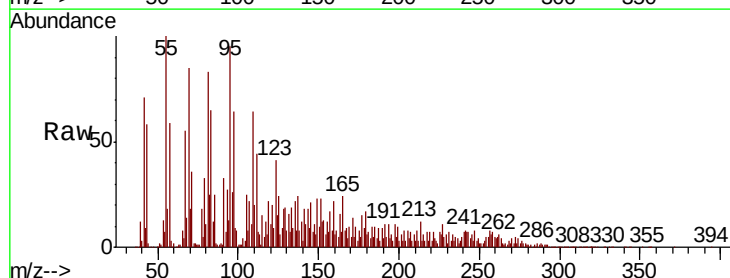
Tgt Ion:149 Resp: 189883

Ion Ratio Lower Upper

149 100

150 42.8 7.3 10.9#

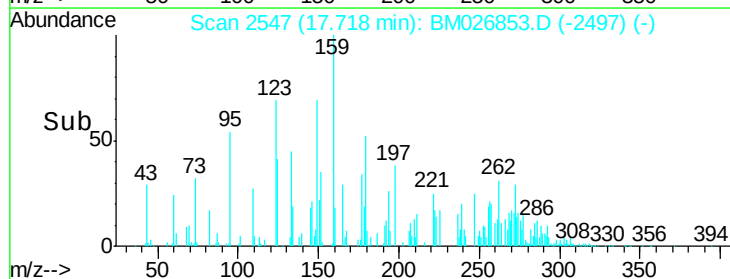
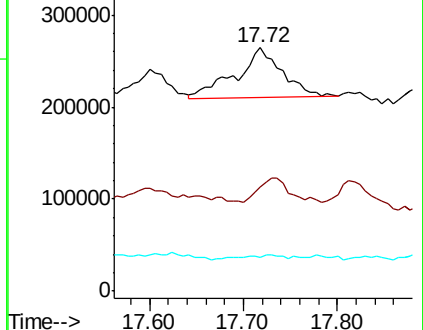
104 13.9 5.0 7.4#

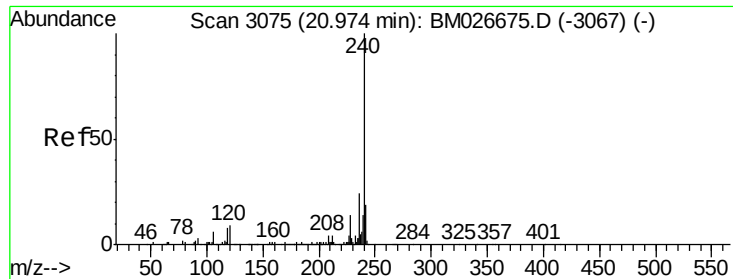


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

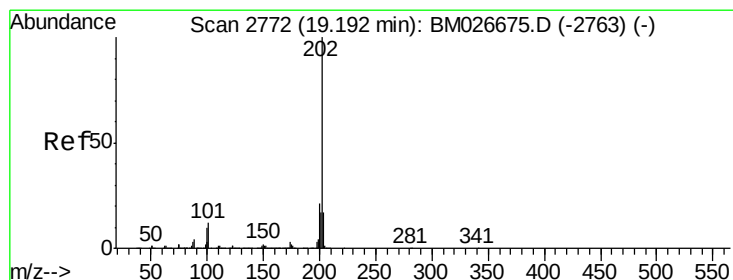
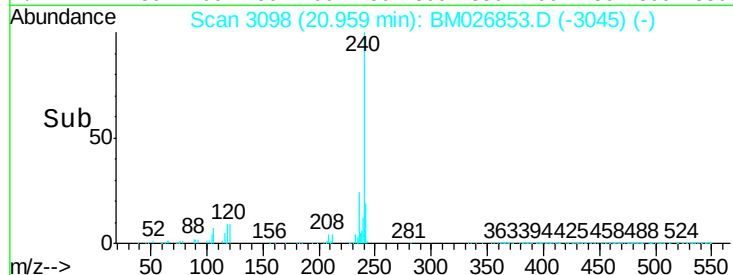
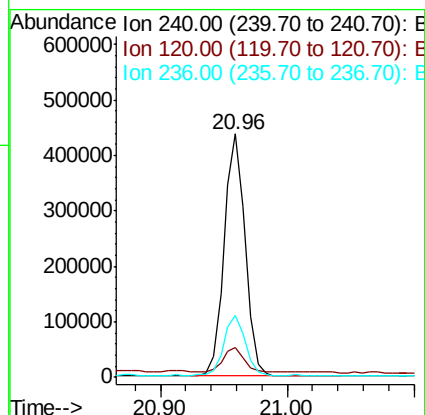
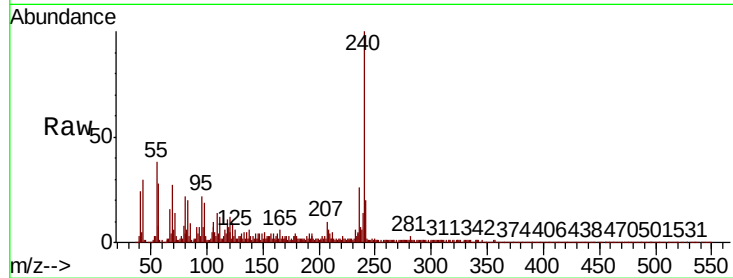




#76
Chrysene-d12
Concen: 20.000 ng
RT: 20.96 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

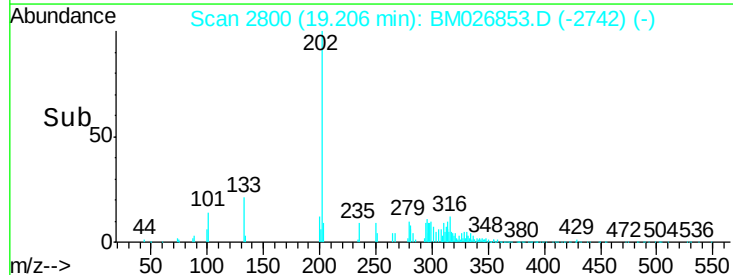
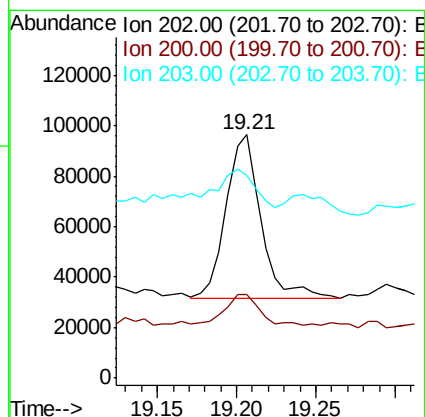
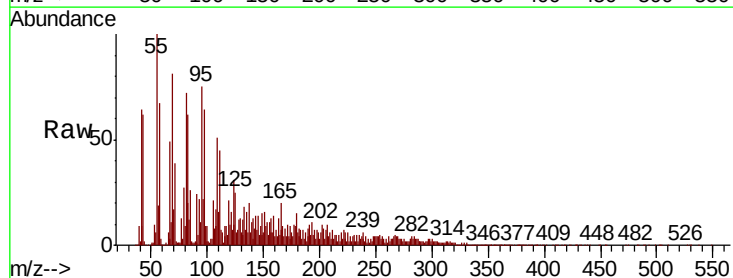
Instrument :
BNA_M
ClientSampleId :

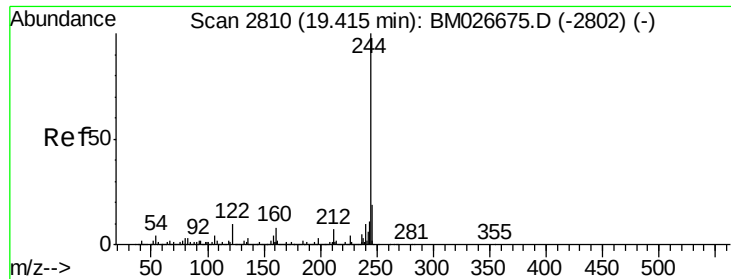
Tot Ion:240 Resp: 500724
Ion Ratio Lower Upper
240 100
120 12.2 7.3 10.9#
236 25.7 19.4 29.2



#78
Pyrene
Concen: 3.128 ng
RT: 19.21 min Scan# 2800
Delta R.T. 0.04 min
Lab File: BM026853.D
Acq: 23 Jul 2020 16:18

Tgt Ion:202 Resp: 98681
Ion Ratio Lower Upper
202 100
200 34.4 16.6 24.8#
203 83.4 13.7 20.5#





#79

Terphenyl-d14

Concen: 74.487 ng

RT: 19.42 min Scan# 2836

Delta R.T. 0.03 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

Instrument :

BNA_M

ClientSampleId :

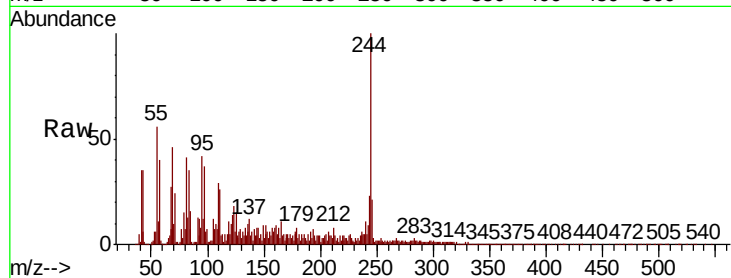
Tot Ion:244 Resp: 1895188

Ion Ratio Lower Upper

244 100

212 8.2 5.9 8.9

122 14.0 8.2 12.4

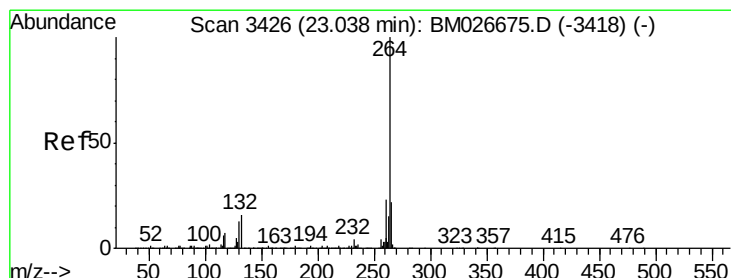
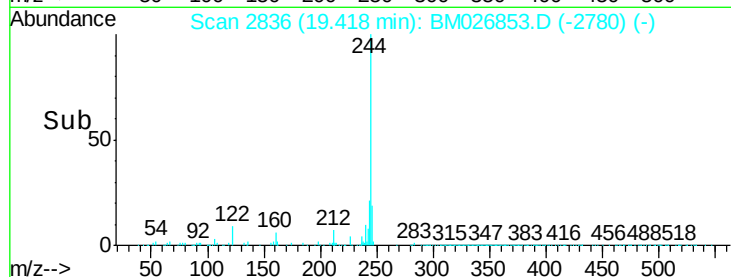
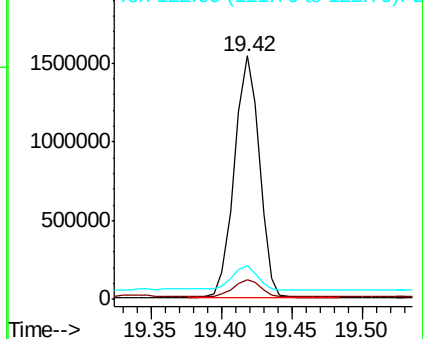


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.01 min Scan# 3447

Delta R.T. 0.00 min

Lab File: BM026853.D

Acq: 23 Jul 2020 16:18

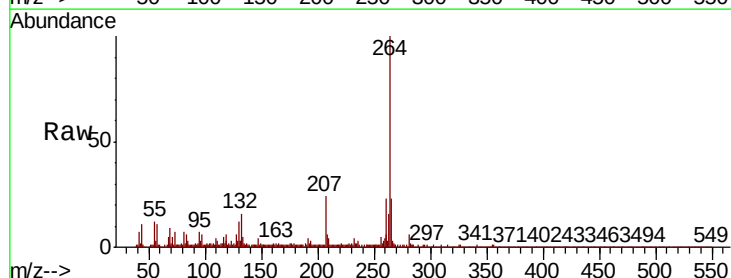
Tgt Ion:264 Resp: 463363

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

265 22.9 17.6 26.4



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

