

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072320\
 Data File : BM026852.D
 Acq On : 23 Jul 2020 15:41
 Operator : JU/CG
 Sample : L3380-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 23 16:53:45 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	99890	20.00	ng	-0.02
21) Naphthalene-d8	10.04	136	387056	20.00	ng	-0.01
39) Acenaphthene-d10	13.96	164	285965	20.00	ng	0.00
64) Phenanthrene-d10	16.77	188	708758	20.00	ng	0.04
76) Chrysene-d12	20.97	240	626347	20.00	ng	0.02
86) Perylene-d12	23.02	264	547356	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.93	112	501811	84.20	ng	-0.02
7) Phenol-d6	6.50	99	668945	70.45	ng	-0.02
23) Nitrobenzene-d5	8.43	82	469441	51.74	ng	-0.02
42) 2,4,6-Tribromophenol	15.49	330	355284	85.29	ng	0.02
45) 2-Fluorobiphenyl	12.55	172	895225	41.62	ng	-0.01
79) Terphenyl-d14	19.42	244	1802027	56.62	ng	0.03

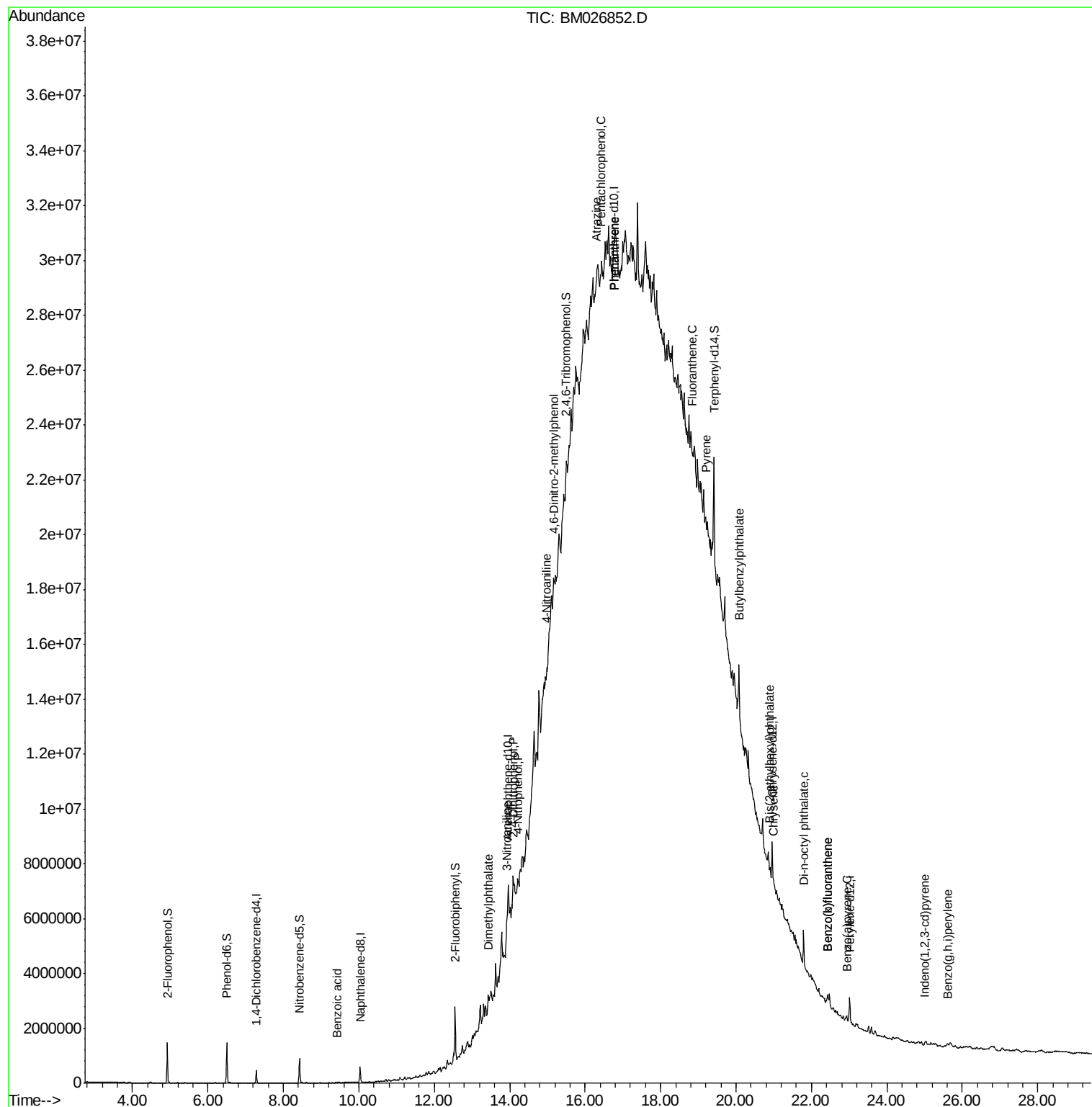
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.44	122	90	7.115	ng	# 26
50) Dimethylphthalate	13.43	163	139020	5.684	ng	# 82
53) 3-Nitroaniline	13.92	138	21940	4.026	ng	# 15
54) 2,4-Dinitrophenol	14.11	184	140	6.305	ng	# 1
56) 4-Nitrophenol	14.23	139	14657	6.847	ng	# 1
62) 4-Nitroaniline	14.98	138	47441	10.105	ng	95
65) 4,6-Dinitro-2-methylphenol	15.17	198	2810	5.023	ng	# 1
69) Atrazine	16.28	200	40132	5.925	ng	# 1
70) Pentachlorophenol	16.41	266	13524	2.575	ng	# 1
71) Phenanthrene	16.80	178	118611	2.835	ng	# 1
75) Fluoranthene	18.84	202	172399	3.345	ng	# 46
78) Pvrene	19.20	202	184563	4.678	ng	# 54
80) Butylbenzylphthalate	20.08	149	51537	2.911	ng	# 54
83) Chrysene	21.00	228	96164	2.348	ng	# 75
84) Bis(2-ethylhexyl)phthalate	20.90	149	74277	2.619	ng	# 77
85) Di-n-octyl phthalate	21.79	149	127293	2.626	ng	# 1
87) Indeno(1,2,3-cd)pyrene	25.01	276	78632	2.018	ng	97
88) Benzo(b)fluoranthene	22.42	252	200967	5.572	ng	# 67
89) Benzo(k)fluoranthene	22.42	252	200967	5.681	ng	# 67
90) Benzo(a)pyrene	22.93	252	81664	2.439	ng	# 64
92) Benzo(a,h,i)perylene	25.61	276	77536	2.558	ng	# 87

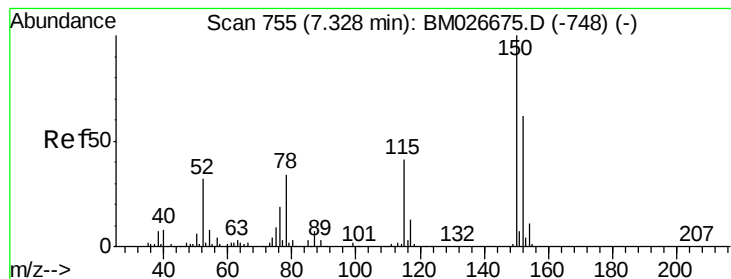
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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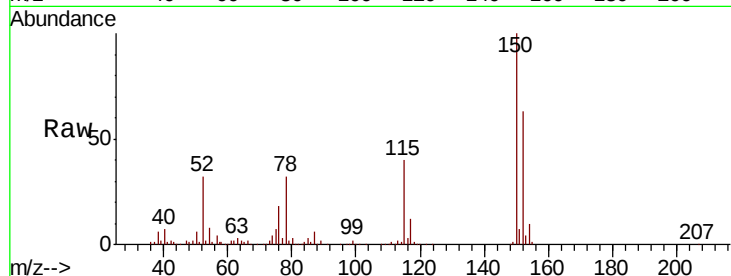


#1

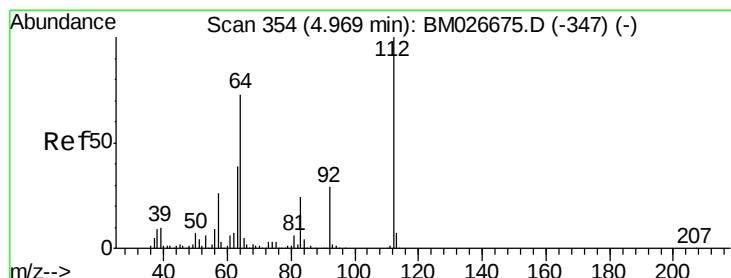
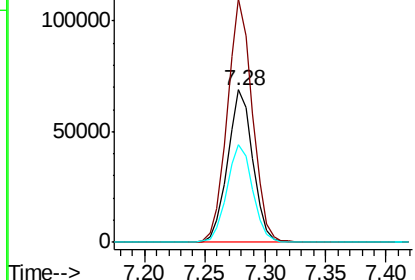
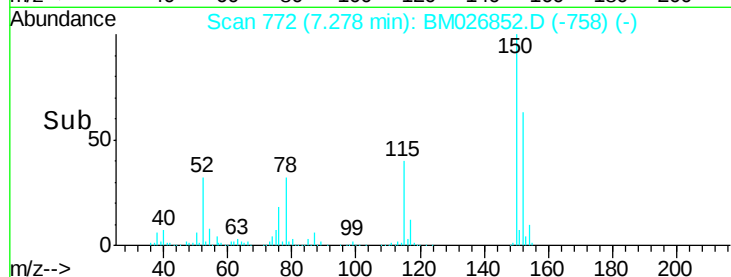
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.28 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	128.1	192.1
115	64.4	52.2	78.4



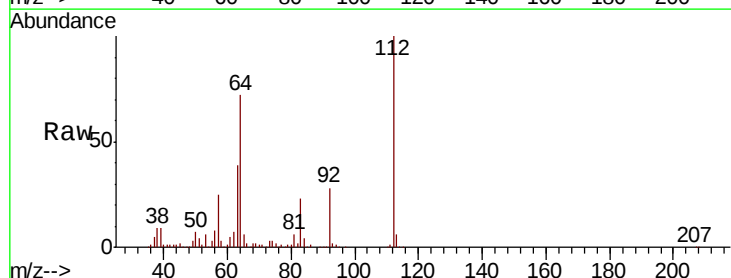
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



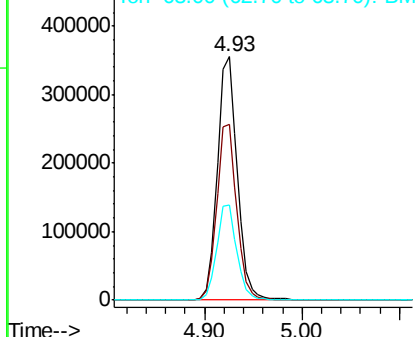
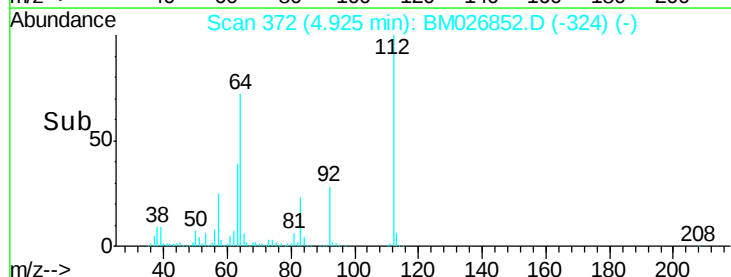
#5

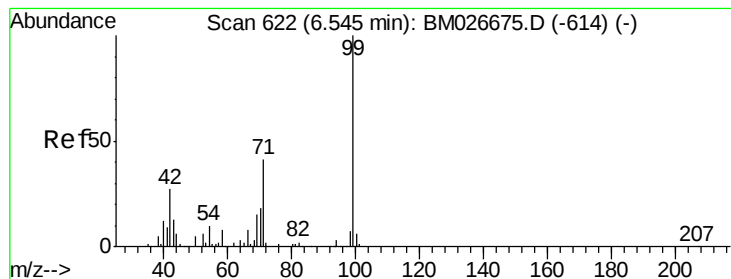
2-Fluorophenol
Concen: 84.201 ng
RT: 4.93 min Scan# 372
Delta R.T. -0.02 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.0	58.4	87.6
63	39.1	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: 70.450 ng

RT: 6.50 min Scan# 639

Delta R.T. -0.02 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

Instrument :

BNA_M

ClientSampleId :

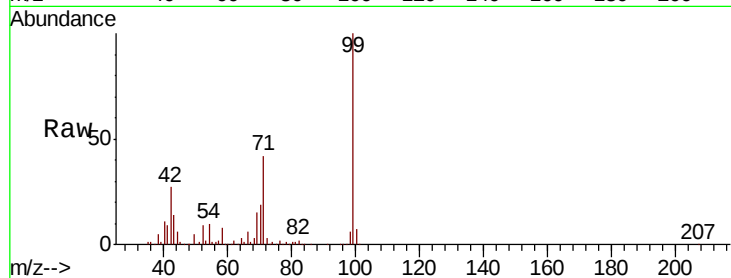
Tot Ion: 99 Resp: 668945

Ion Ratio Lower Upper

99 100

42 26.9 21.7 32.5

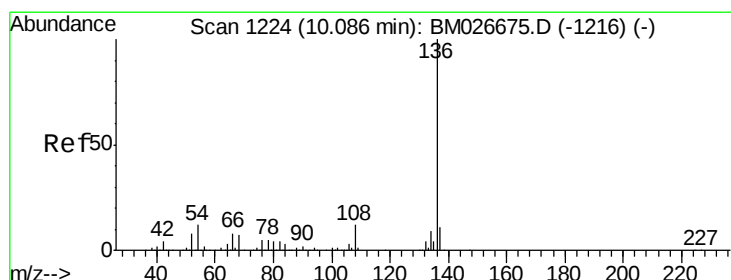
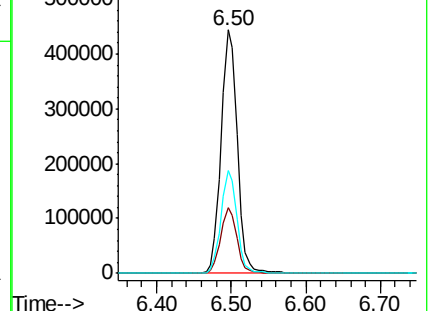
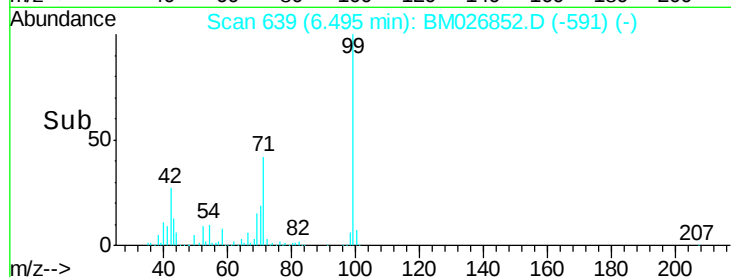
71 42.2 33.2 49.8



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: 10.04 min Scan# 1241

Delta R.T. -0.01 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

Tgt Ion: 136 Resp: 387056

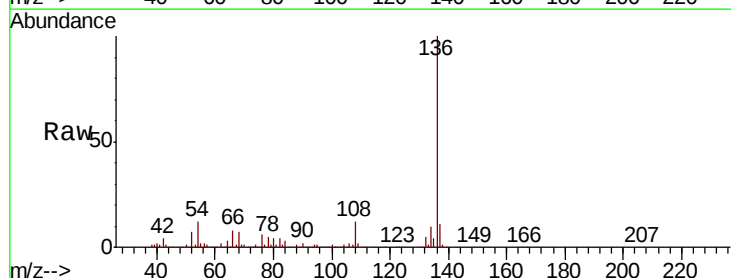
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 11.7 9.8 14.6

68 7.3 5.8 8.6

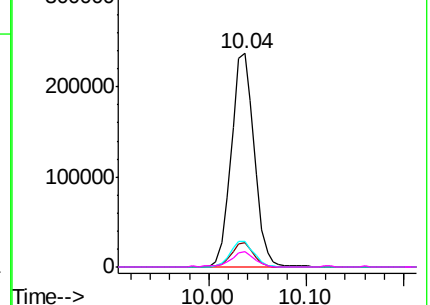
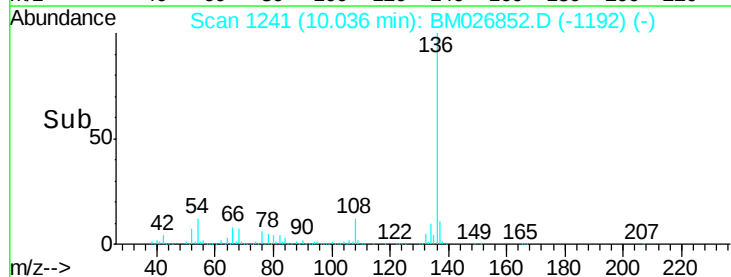


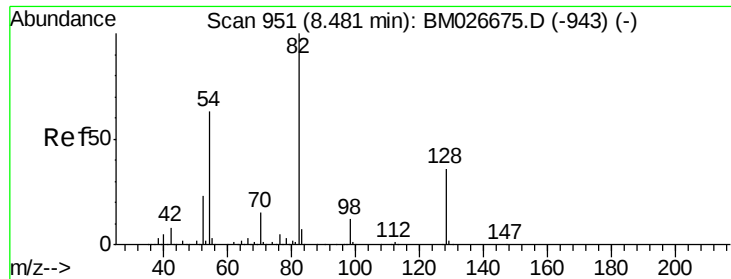
Abundance Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

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) (-)

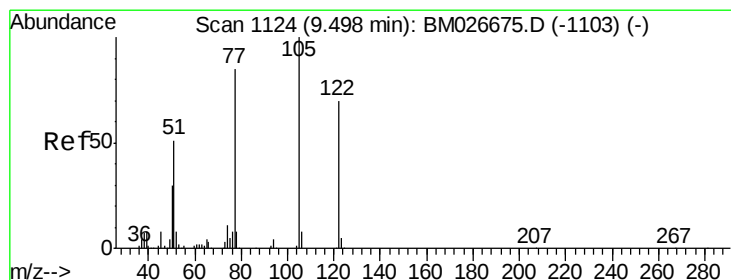
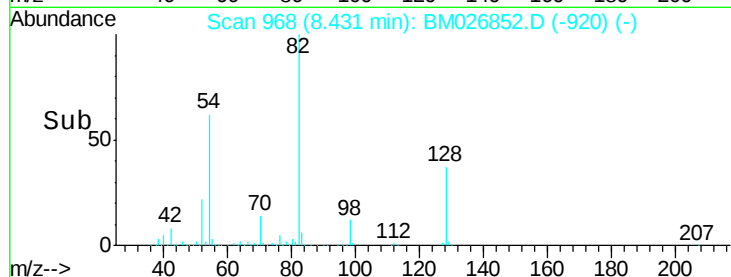
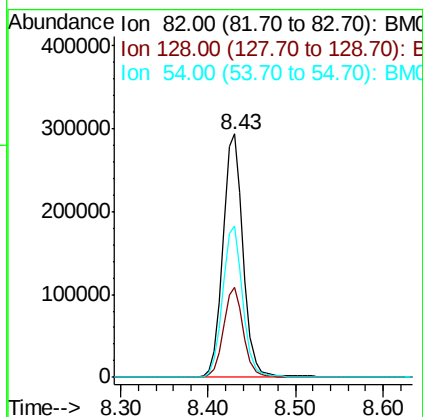
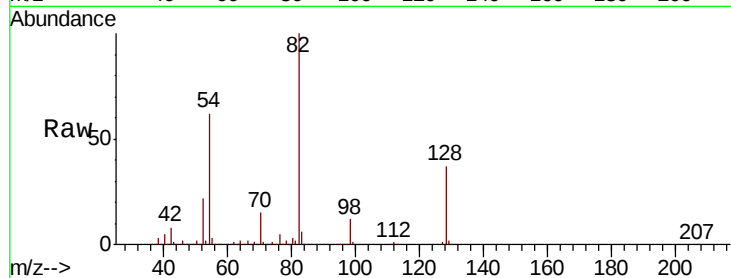




#23
 Nitrobenzene-d5
 Concen: 51.744 ng
 RT: 8.43 min Scan# 968
 Delta R.T. -0.02 min
 Lab File: BM026852.D
 Acq: 23 Jul 2020 15:41

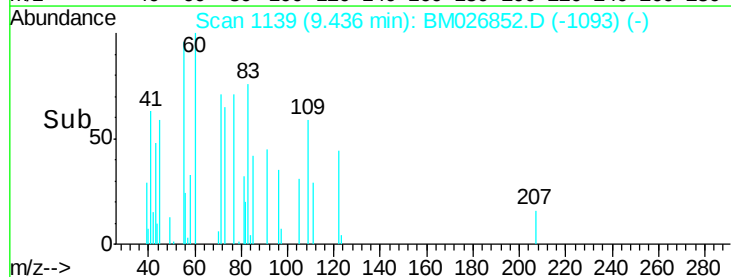
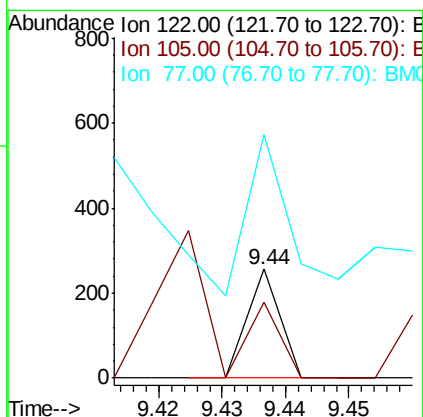
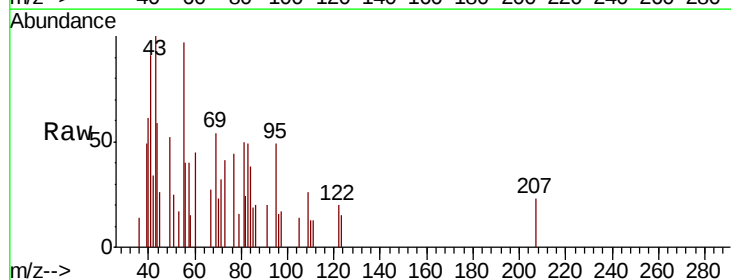
Instrument :
 BNA_M
 ClientSampleId :

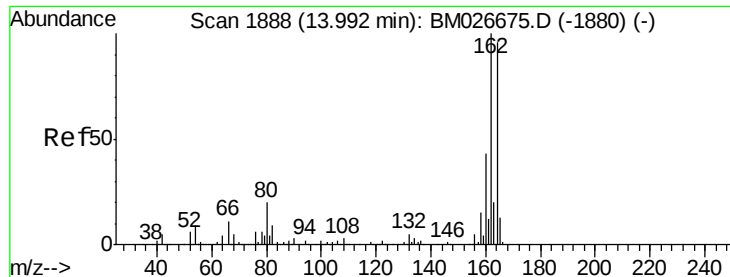
Tot Ion	82	Resp	469441
Ion Ratio	100	Lower	Upper
128	37.2	29.1	43.7
54	62.4	50.2	75.4



#32
 Benzoic acid
 Concen: 7.115 ng
 RT: 9.44 min Scan# 1139
 Delta R.T. -0.03 min
 Lab File: BM026852.D
 Acq: 23 Jul 2020 15:41

Tgt Ion	122	Resp	90
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	70.3	120.9	160.9#
77	223.8	100.0	140.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.96 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

Instrument :

BNA_M

ClientSampled :

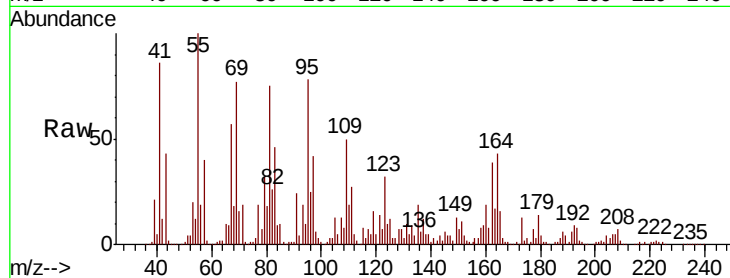
Tot Ion:164 Resp: 285965

Ion Ratio Lower Upper

164 100

162 91.4 83.7 125.5

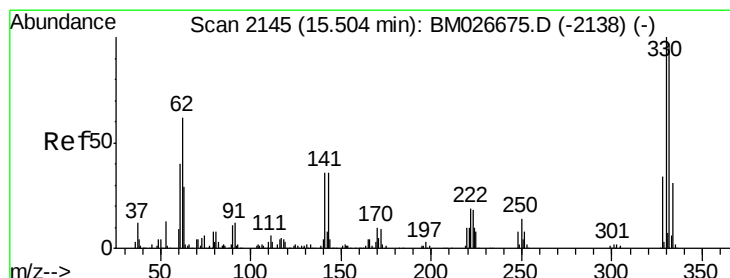
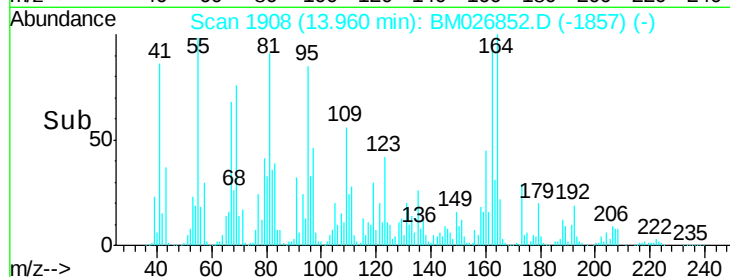
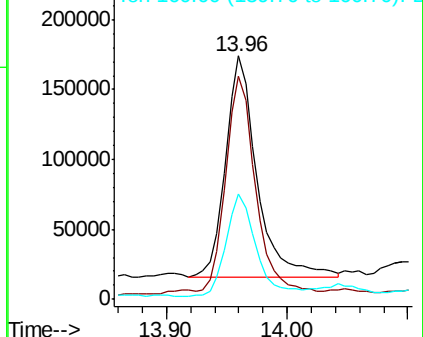
160 43.0 36.2 54.2



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: 85.289 ng

RT: 15.49 min Scan# 2169

Delta R.T. 0.02 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

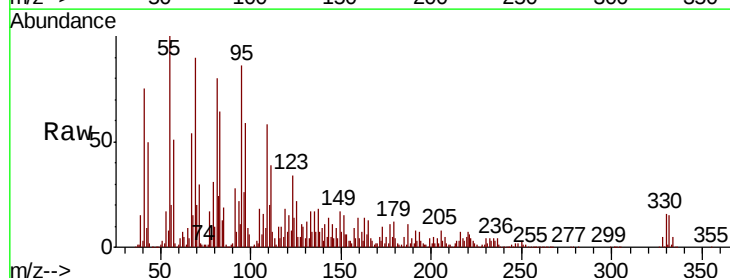
Tgt Ion:330 Resp: 355284

Ion Ratio Lower Upper

330 100

332 98.1 77.5 116.3

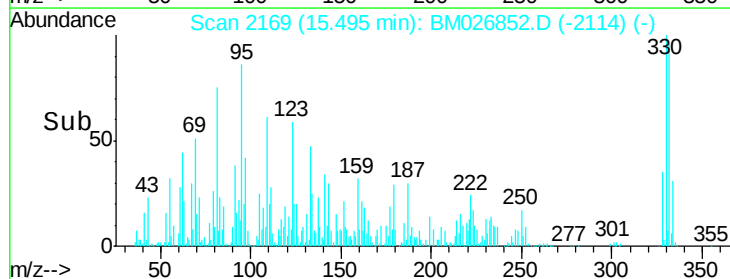
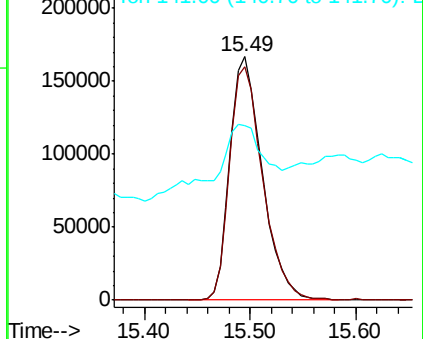
141 50.4 32.4 48.6#

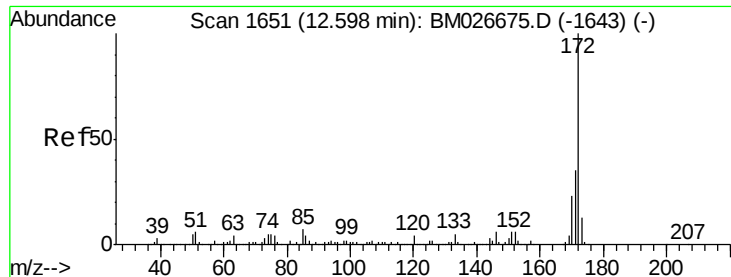


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

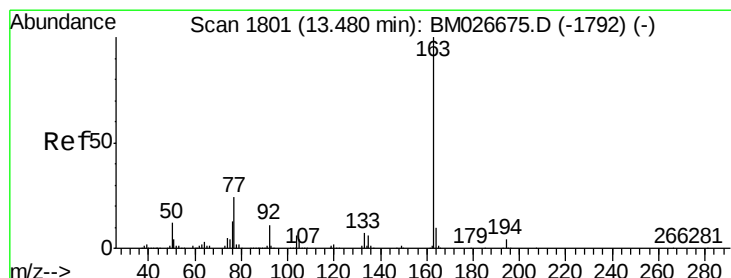
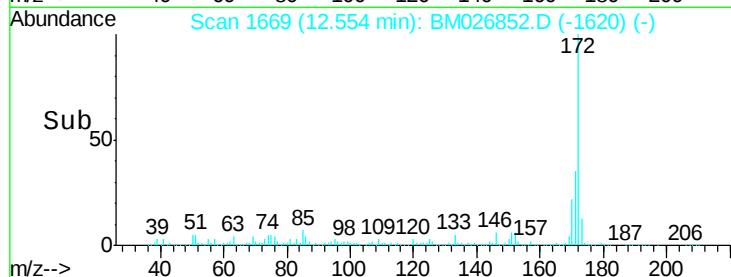
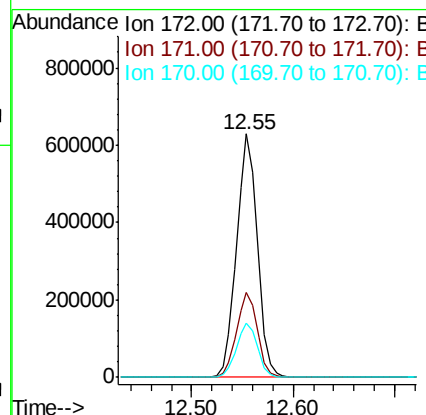
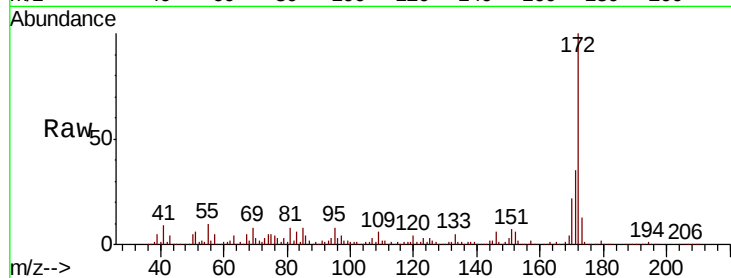




#45
2-Fluorobiphenyl
Concen: 41.625 ng
RT: 12.55 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

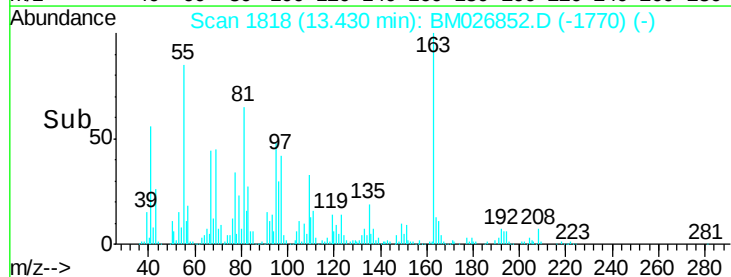
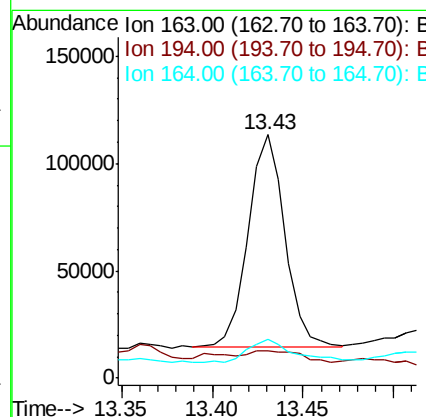
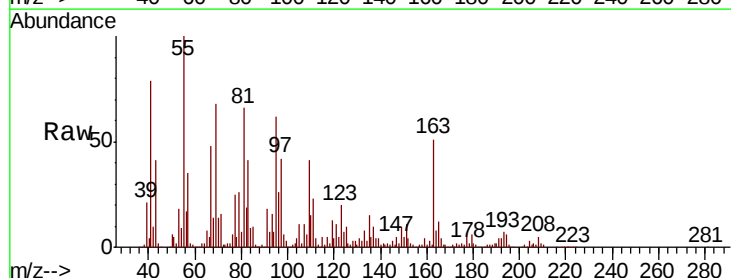
Instrument :
BNA_M
ClientSampleId :

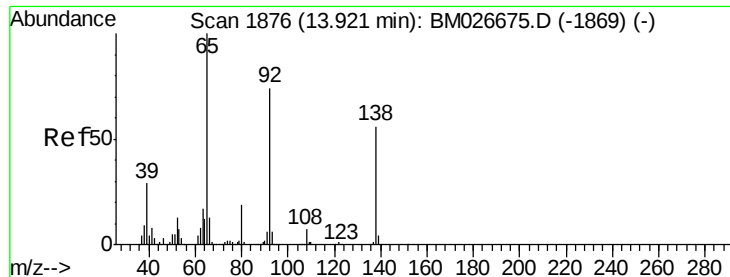
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	22.3	18.5	27.7



#50
Dimethylphthalate
Concen: 5.684 ng
RT: 13.43 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	11.0	3.4	5.2#
164	16.0	7.8	11.6#

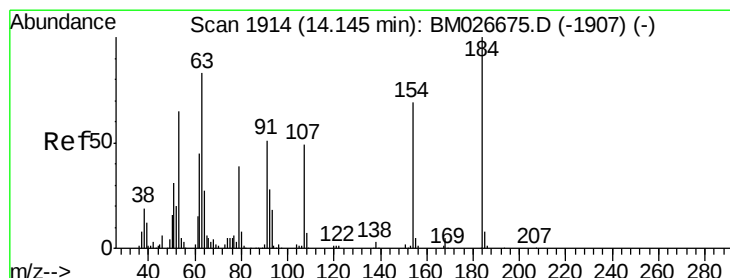
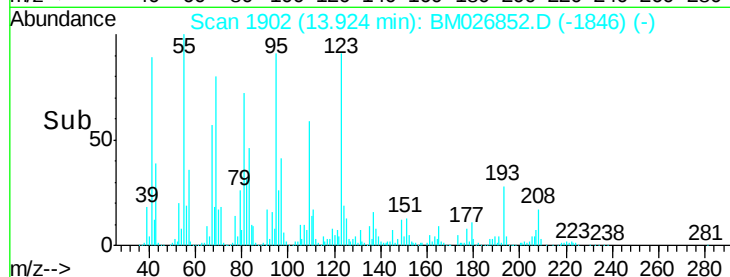
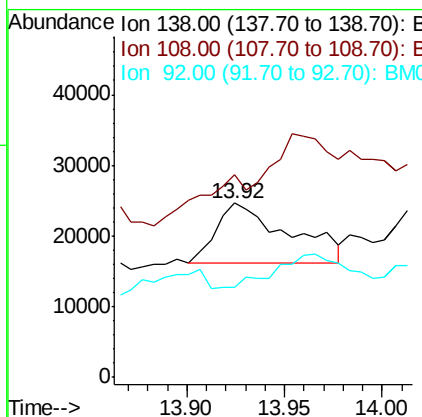
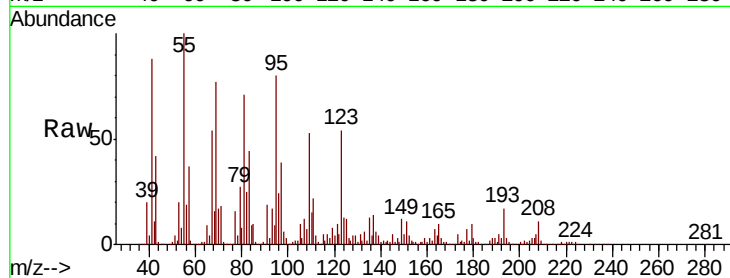




#53
 3-Nitroaniline
 Concen: 4.026 ng
 RT: 13.92 min Scan# 1902
 Delta R.T. 0.03 min
 Lab File: BM026852.D
 Acq: 23 Jul 2020 15:41

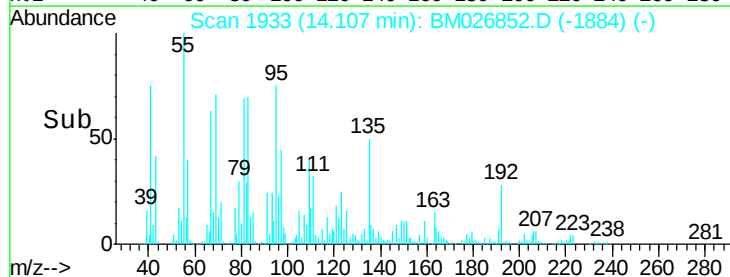
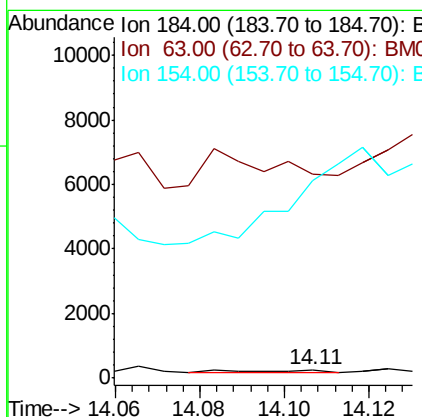
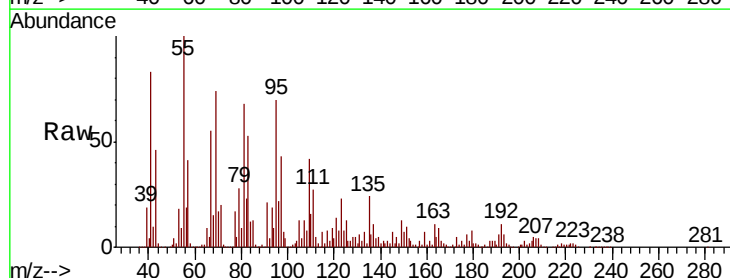
Instrument :
 BNA_M
 ClientSampled :

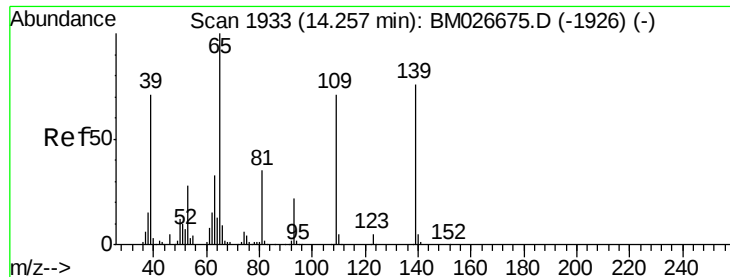
Tot Ion:138 Resp: 21940
 Ion Ratio Lower Upper
 138 100
 108 116.0 9.7 14.5#
 92 51.3 105.6 158.4#



#54
 2,4-Dinitrophenol
 Concen: 6.305 ng
 RT: 14.11 min Scan# 1933
 Delta R.T. -0.01 min
 Lab File: BM026852.D
 Acq: 23 Jul 2020 15:41

Tgt Ion:184 Resp: 140
 Ion Ratio Lower Upper
 184 100
 63 2432.3 66.2 99.4#
 154 2358.8 55.2 82.8#

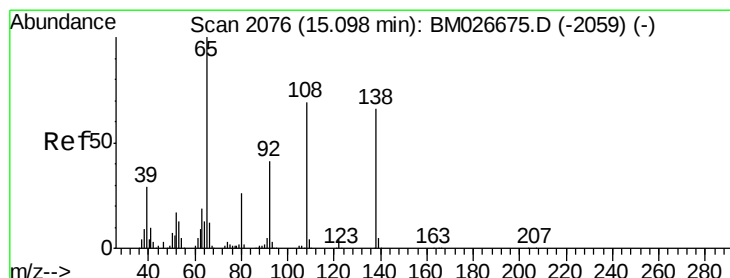
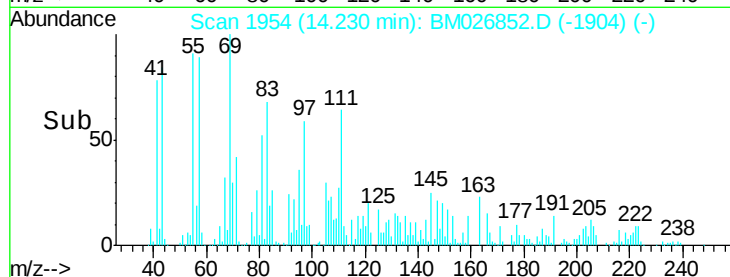
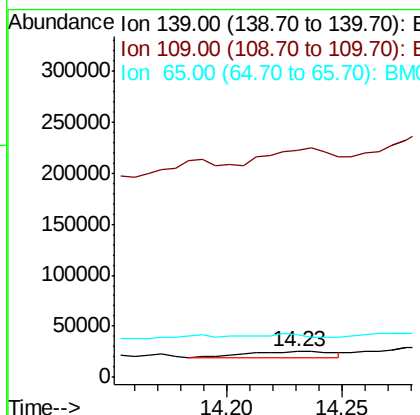
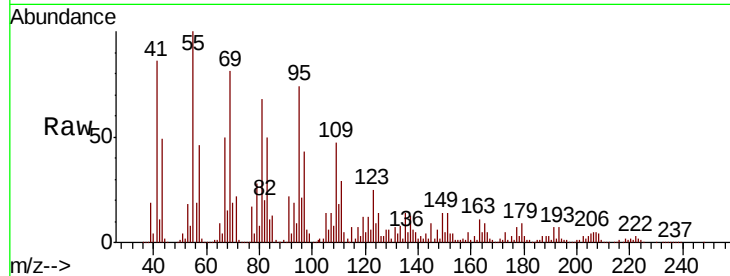




#56
4-Nitrophenol
Concen: 6.847 ng
RT: 14.23 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

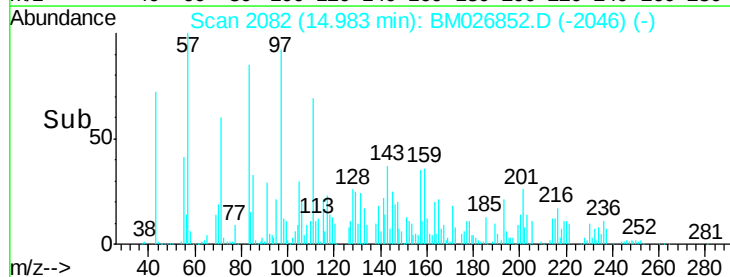
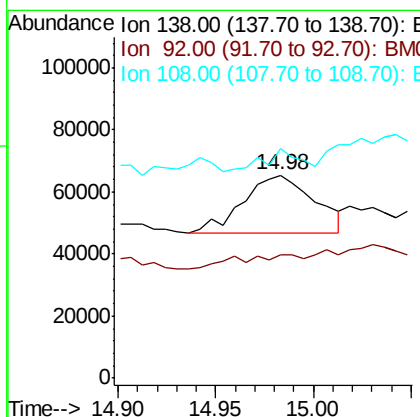
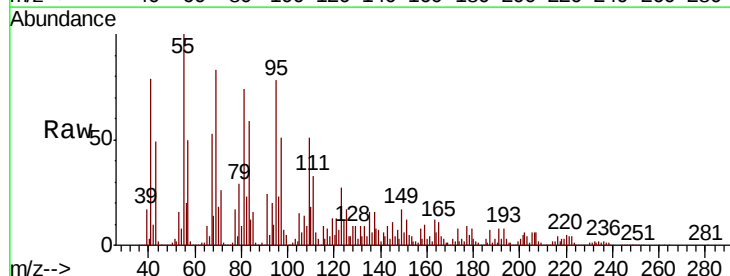
Instrument :
BNA_M
ClientSampled :

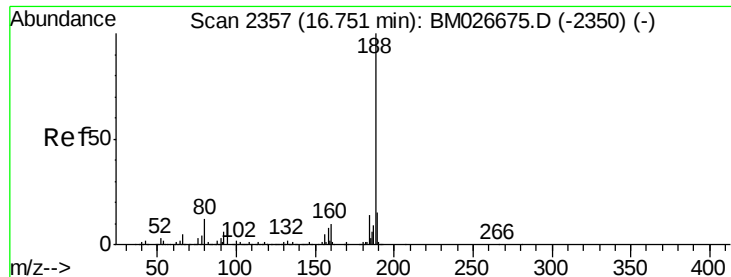
Tot Ion:139 Resp: 14657
Ion Ratio Lower Upper
139 100
109 892.4 73.7 113.7#
65 170.0 111.5 151.5#



#62
4-Nitroaniline
Concen: 10.105 ng
RT: 14.98 min Scan# 2082
Delta R.T. -0.09 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

Tgt Ion:138 Resp: 47441
Ion Ratio Lower Upper
138 100
92 60.7 41.5 81.5
108 113.0 84.8 124.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.77 min Scan# 2385

Delta R.T. 0.04 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

Instrument :

BNA_M

ClientSampled :

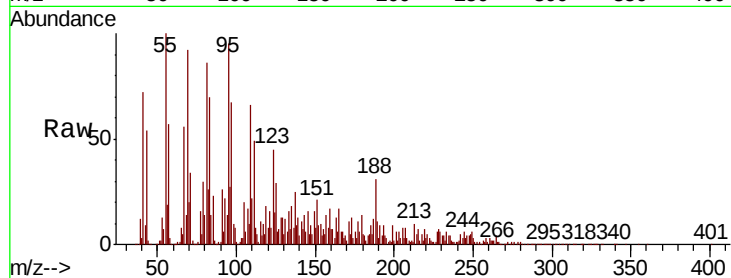
Tot Ion:188 Resp: 708758

Ion Ratio Lower Upper

188 100

94 45.1 7.4 11.0#

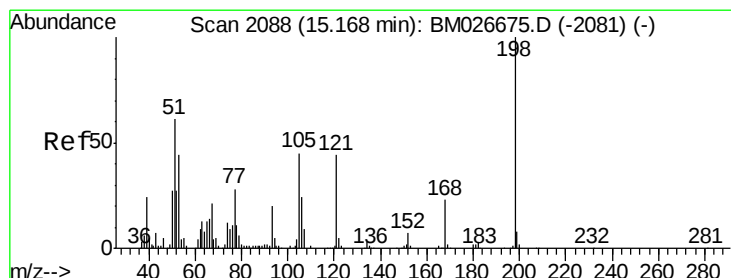
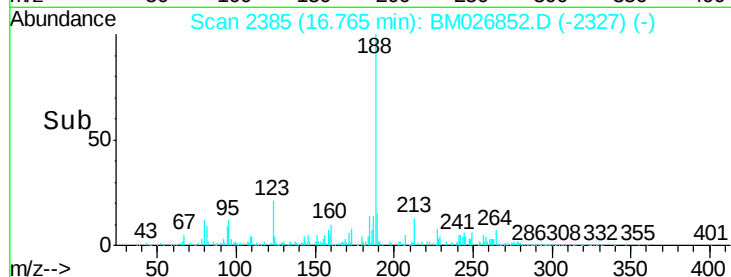
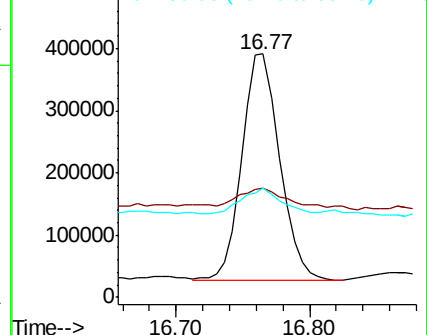
80 44.7 9.3 13.9#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.023 ng

RT: 15.17 min Scan# 2114

Delta R.T. 0.03 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

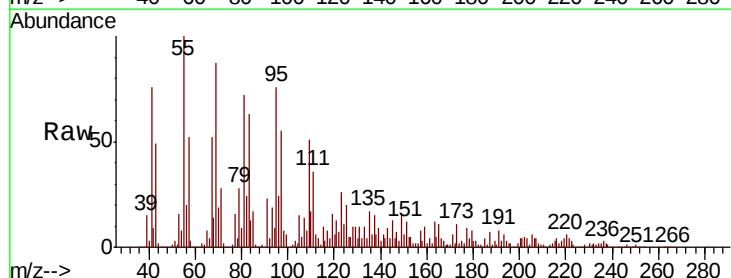
Tgt Ion:198 Resp: 2810

Ion Ratio Lower Upper

198 100

51 1216.0 42.0 82.0#

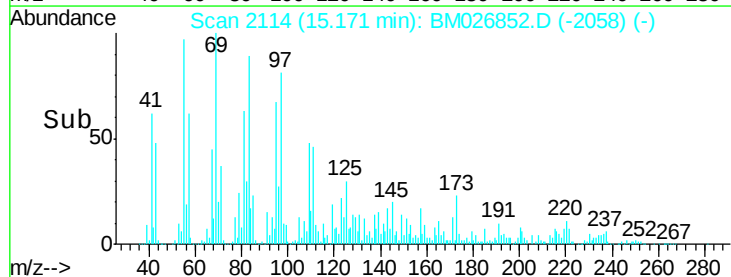
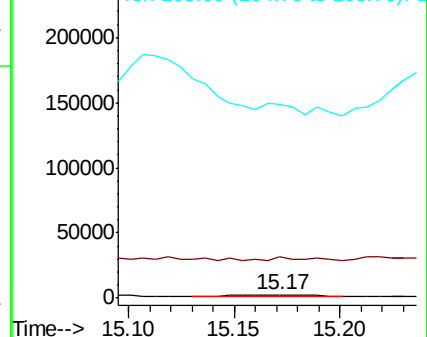
105 5793.6 24.9 64.9#

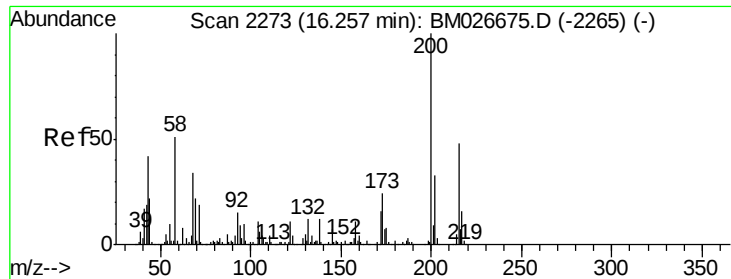


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E

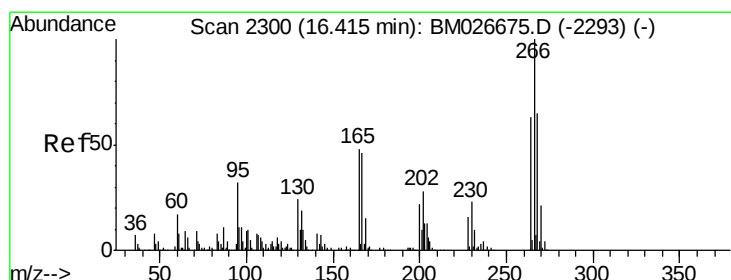
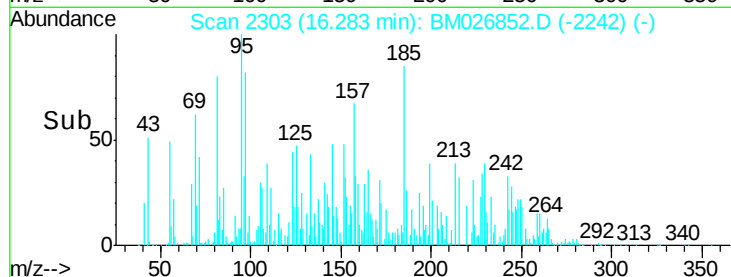
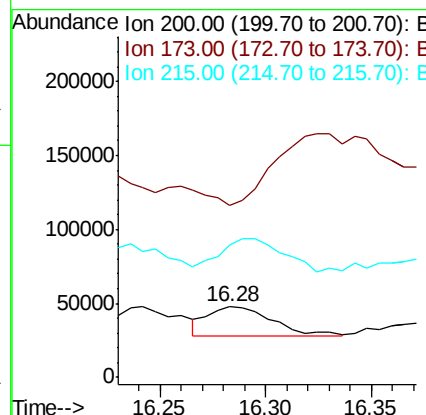
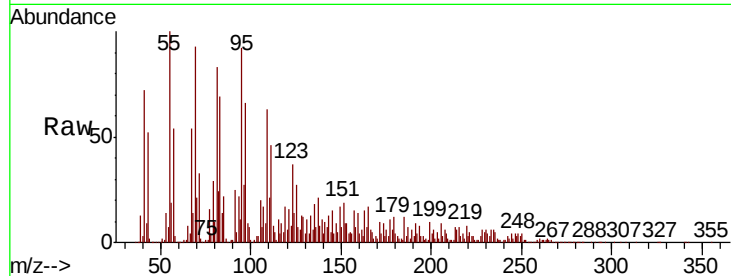




#69
Atrazine
Concen: 5.925 ng
RT: 16.28 min Scan# 2303
Delta R.T. 0.06 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

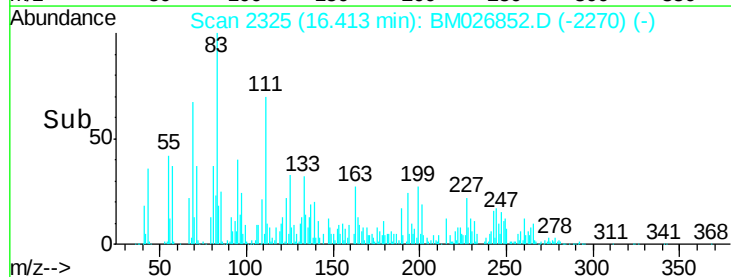
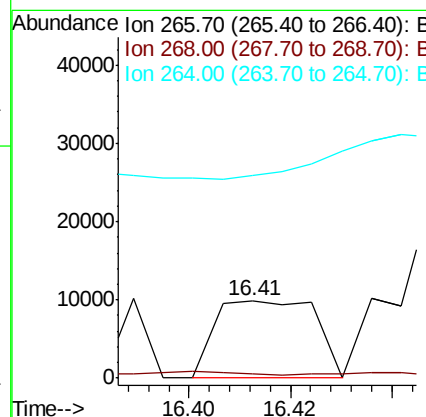
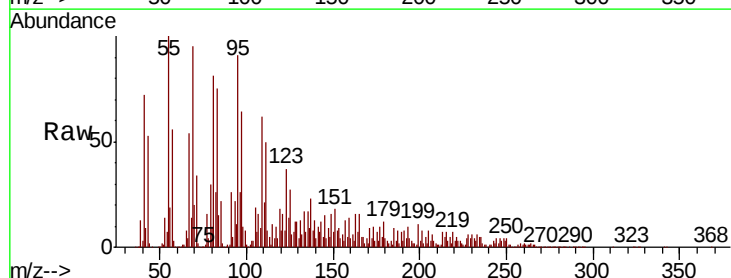
Instrument :
BNA_M
ClientSampleId :

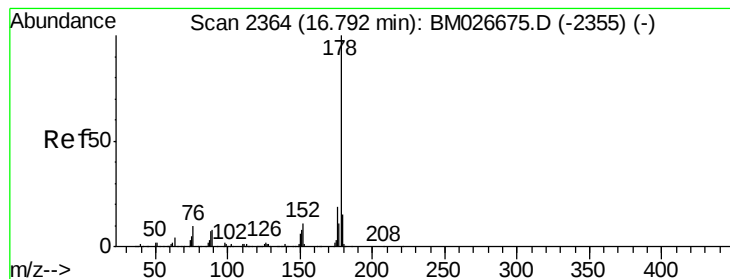
Tot Ion	Ratio	Lower	Upper
200	100		
173	244.1	4.5	44.5#
215	188.4	28.4	68.4#



#70
Pentachlorophenol
Concen: 2.575 ng
RT: 16.41 min Scan# 2325
Delta R.T. 0.02 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

Tgt Ion	Ratio	Lower	Upper
266	100		
268	5.1	51.8	77.6#
264	261.0	50.1	75.1#





#71

Phenanthrene

Concen: 2.835 ng

RT: 16.80 min Scan# 2391

Delta R.T. 0.04 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

Instrument :

BNA_M

ClientSampled :

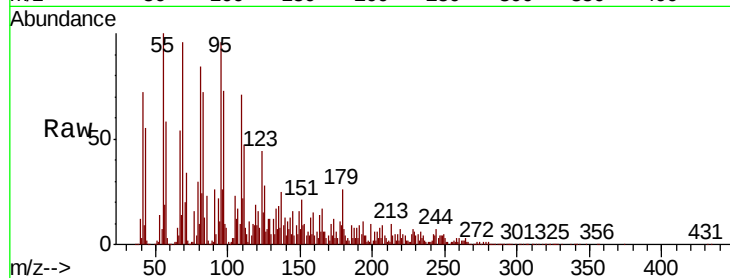
Tot Ion:178 Resp: 118611

Ion Ratio Lower Upper

178 100

176 35.3 15.0 22.6#

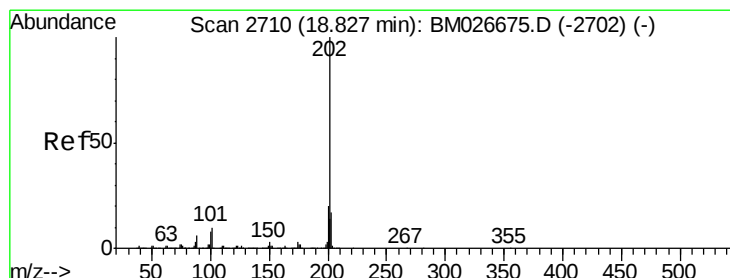
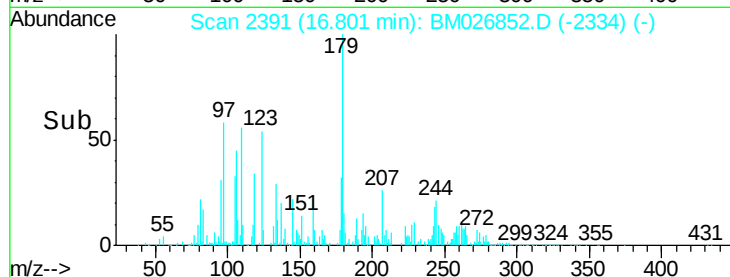
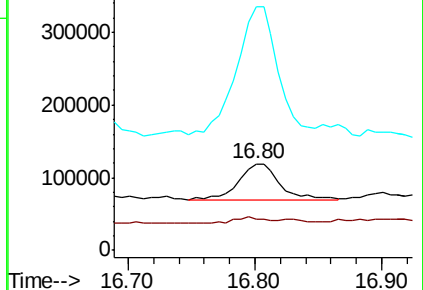
179 281.7 12.1 18.1#



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



#75

Fluoranthene

Concen: 3.345 ng

RT: 18.84 min Scan# 2737

Delta R.T. 0.04 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

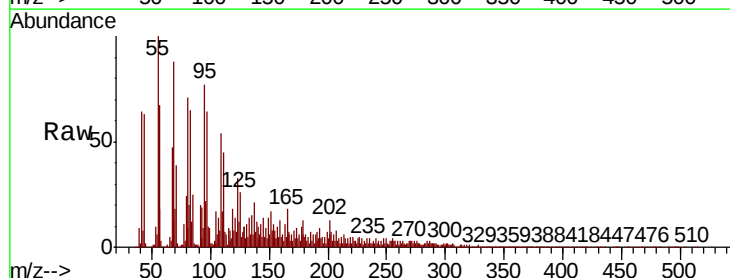
Tgt Ion:202 Resp: 172399

Ion Ratio Lower Upper

202 100

101 13.1 0.0 30.1

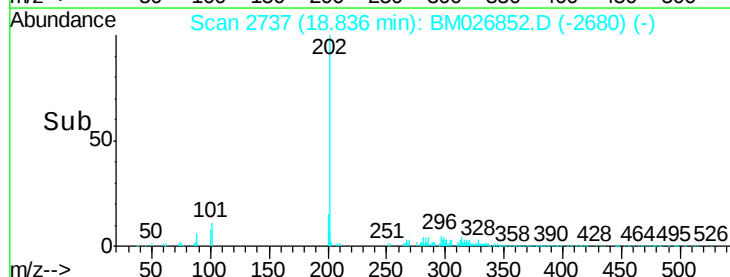
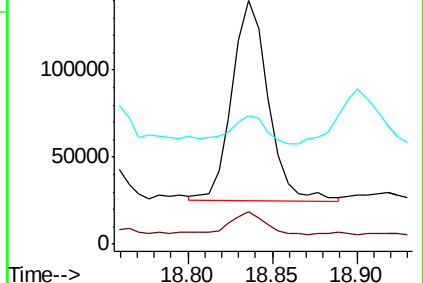
203 52.6 0.0 37.2#

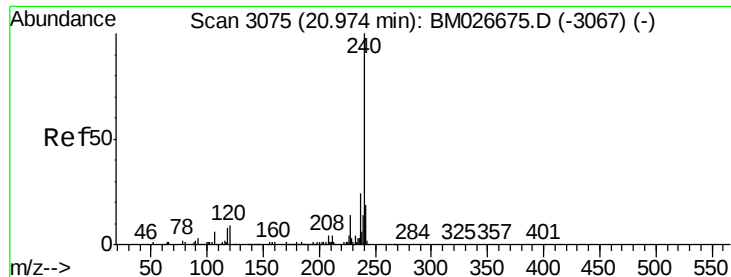


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

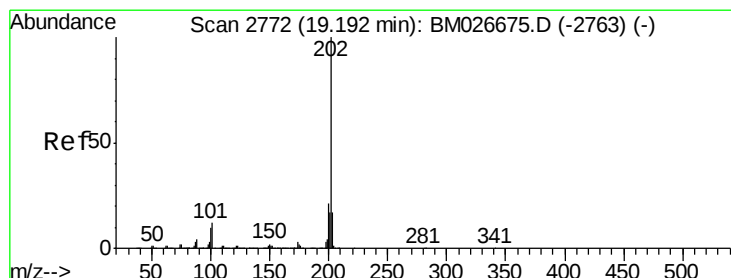
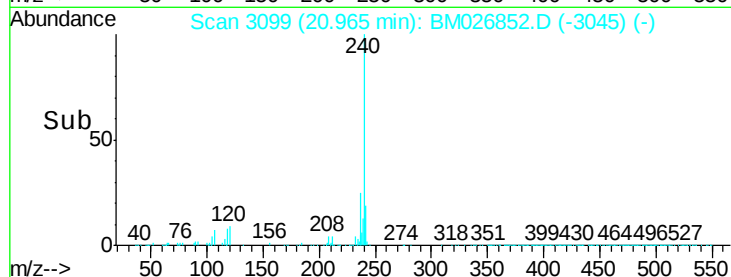
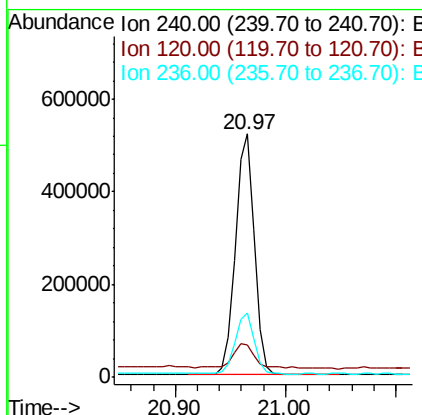
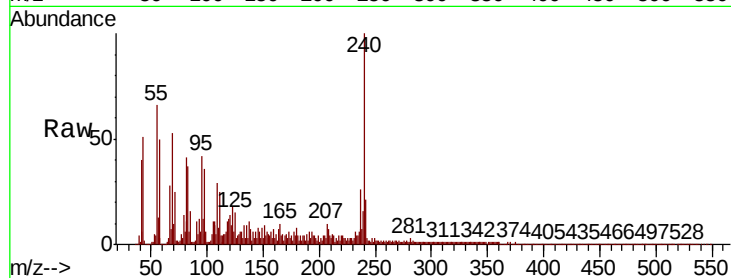




#76
Chrysene-d12
Concen: 20.000 ng
RT: 20.97 min Scan# 3099
Delta R.T. 0.02 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

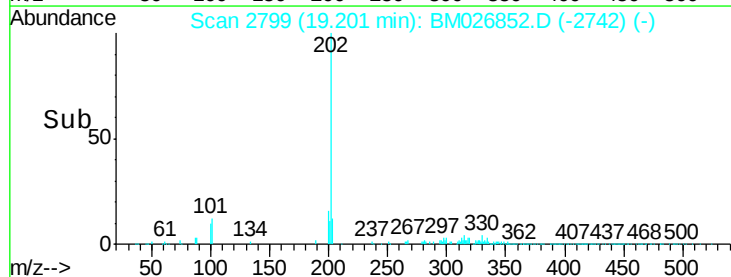
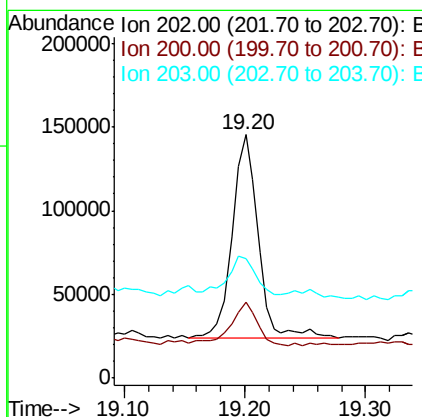
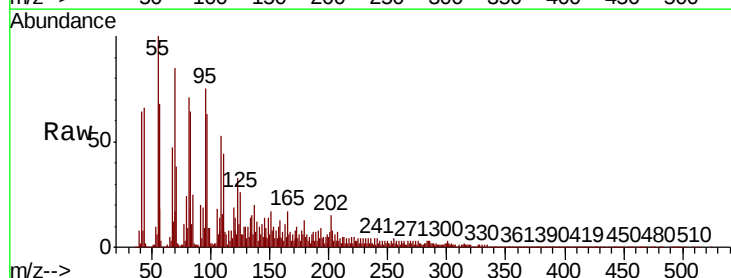
Instrument :
BNA_M
ClientSampleId :

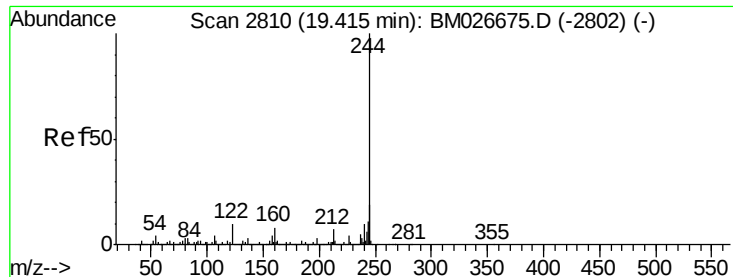
Tot Ion:240 Resp: 626347
Ion Ratio Lower Upper
240 100
120 13.5 7.3 10.9#
236 26.3 19.4 29.2



#78
Pyrene
Concen: 4.678 ng
RT: 19.20 min Scan# 2799
Delta R.T. 0.04 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

Tgt Ion:202 Resp: 184563
Ion Ratio Lower Upper
202 100
200 31.4 16.6 24.8#
203 49.2 13.7 20.5#





#79

Terphenyl-d14

Concen: 56.621 ng

RT: 19.42 min Scan# 2836

Delta R.T. 0.03 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

Instrument :

BNA_M

ClientSampleId :

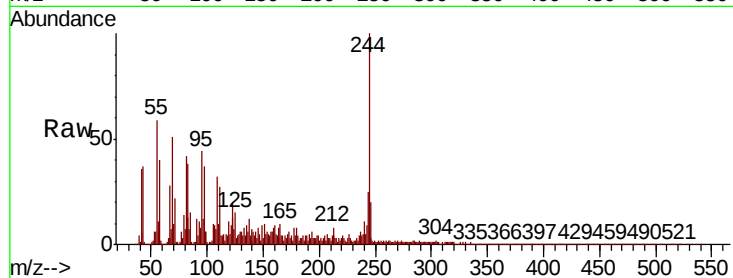
Tot Ion:244 Resp: 1802027

Ion Ratio Lower Upper

244 100

212 8.3 5.9 8.9

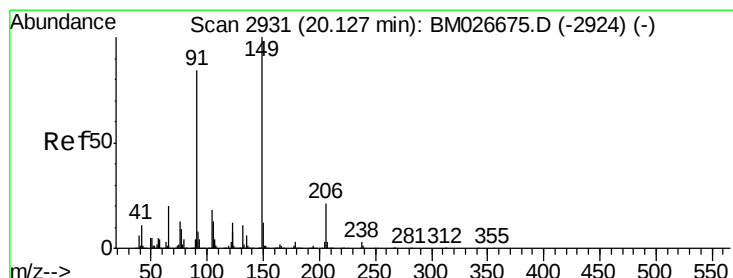
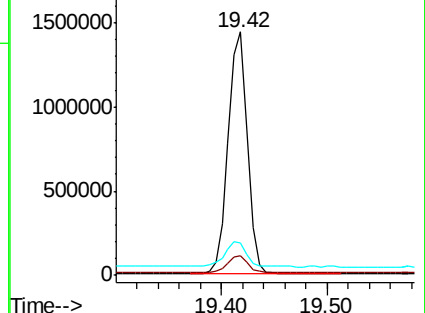
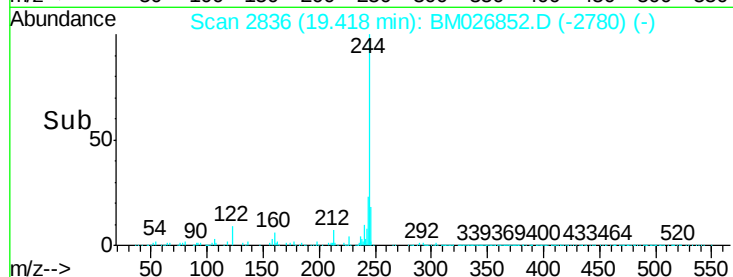
122 13.5 8.2 12.4#



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



#80

Butylbenzylphthalate

Concen: 2.911 ng

RT: 20.08 min Scan# 2948

Delta R.T. -0.03 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

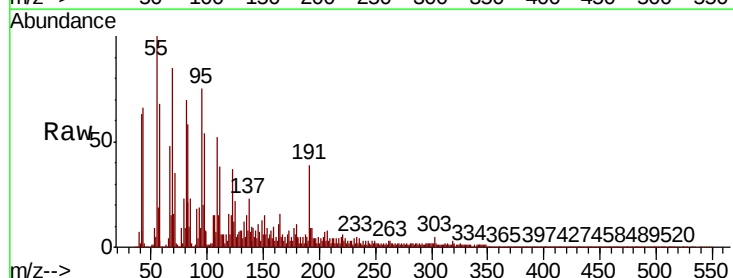
Tgt Ion:149 Resp: 51537

Ion Ratio Lower Upper

149 100

91 135.0 67.6 101.4#

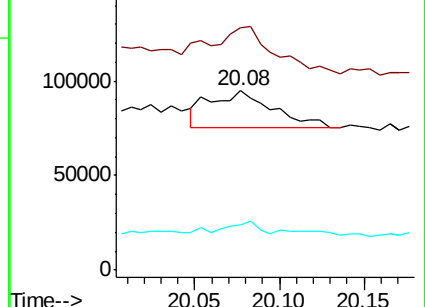
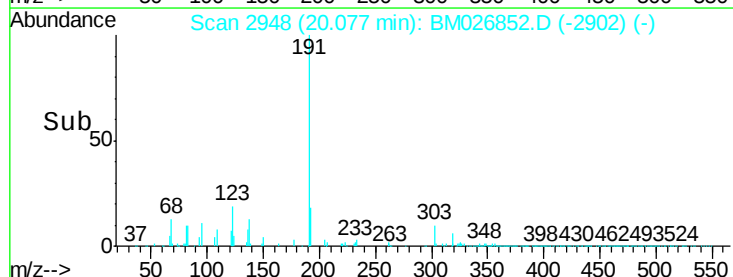
206 25.1 16.7 25.1#

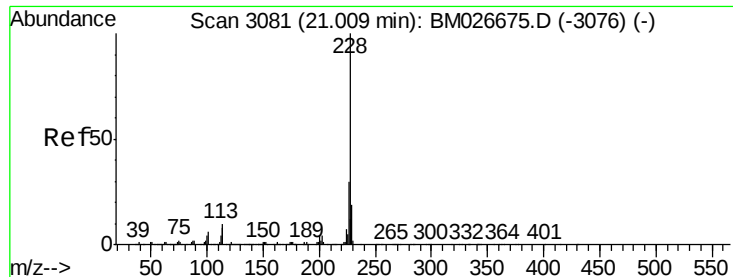


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#83

Chrysene

Concen: 2.348 ng

RT: 21.00 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

Instrument :

BNA_M

ClientSampleId :

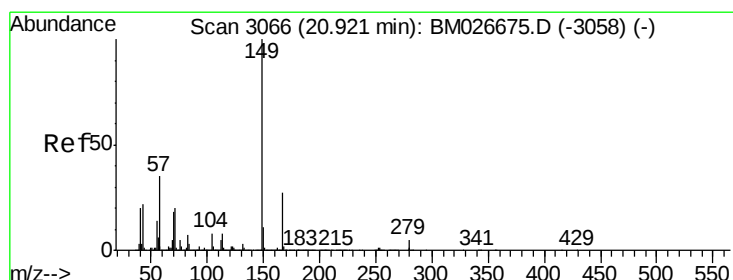
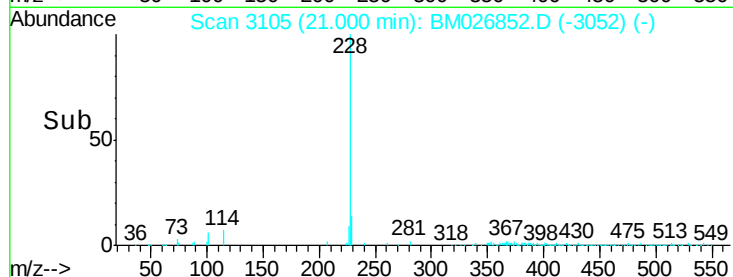
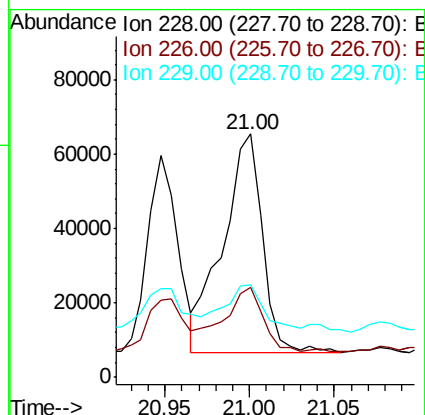
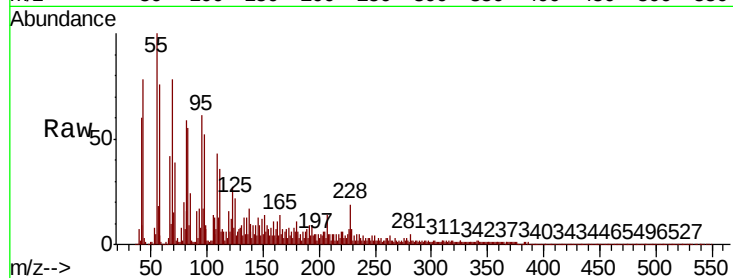
Tot Ion:228 Resp: 96164

Ion Ratio Lower Upper

228 100

226 36.9 23.7 35.5#

229 38.2 15.4 23.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.619 ng

RT: 20.90 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

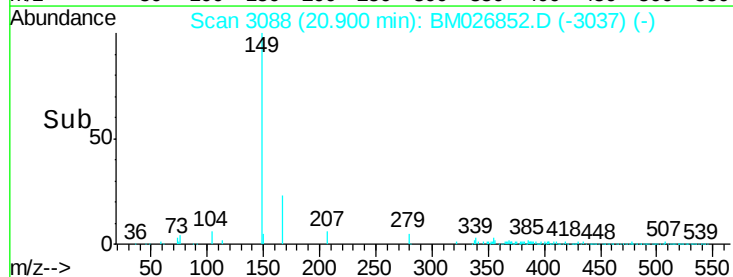
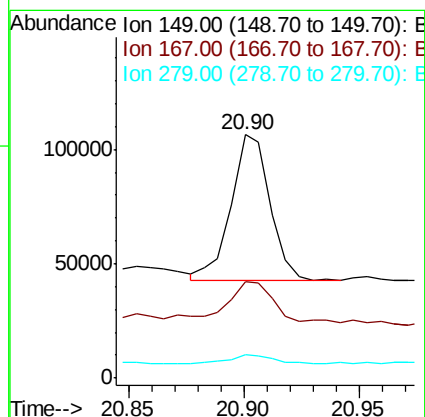
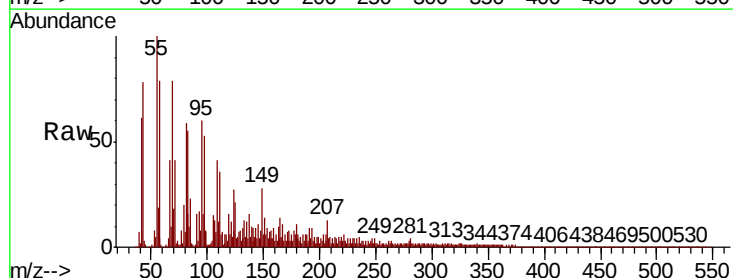
Tgt Ion:149 Resp: 74277

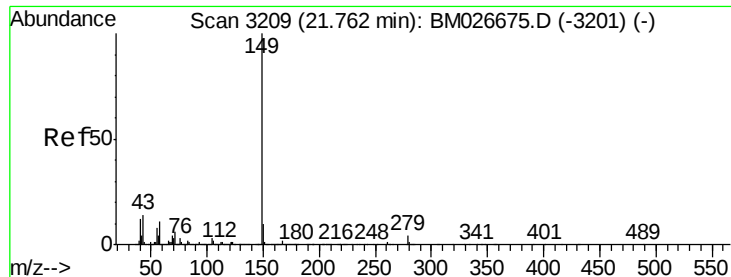
Ion Ratio Lower Upper

149 100

167 39.9 21.9 32.9#

279 9.4 3.7 5.5#

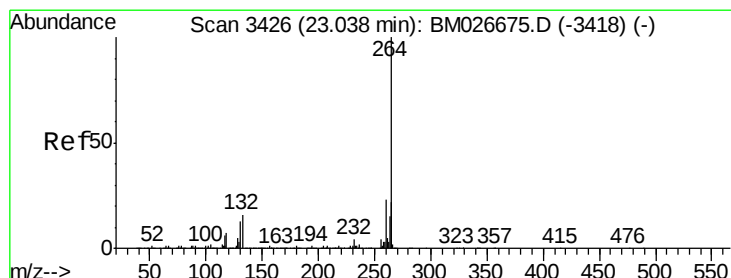
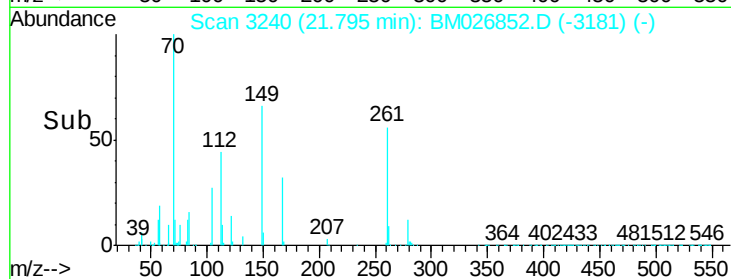
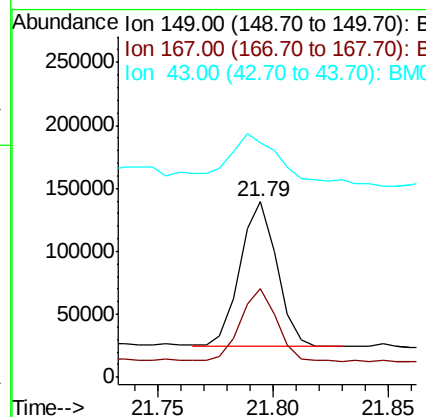
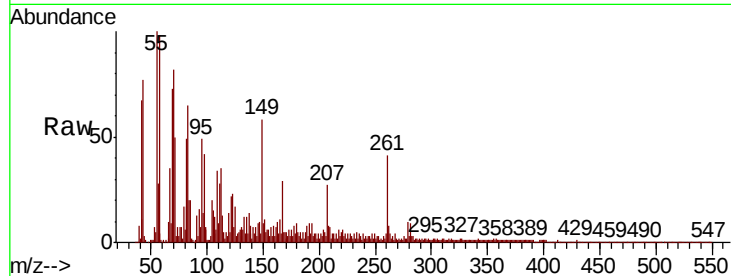




#85
Di-n-octyl phthalate
Concen: 2.626 ng
RT: 21.79 min Scan# 3240
Delta R.T. 0.05 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

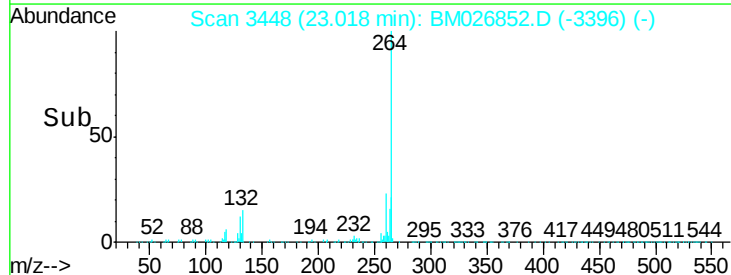
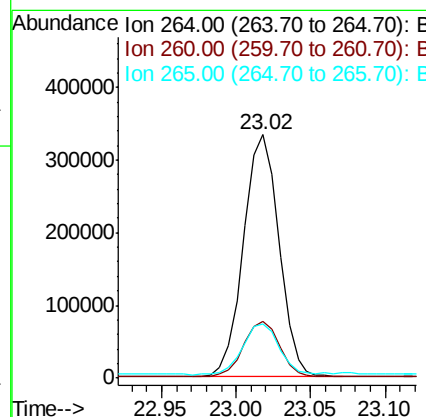
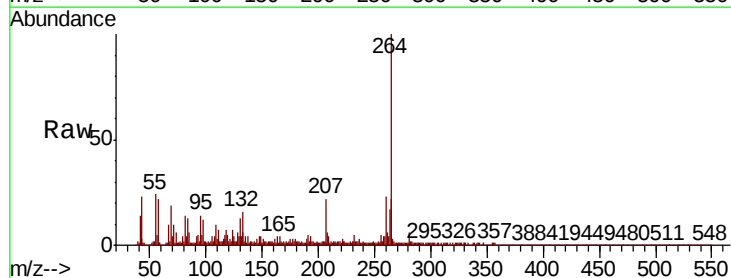
Instrument :
BNA_M
ClientSampled :

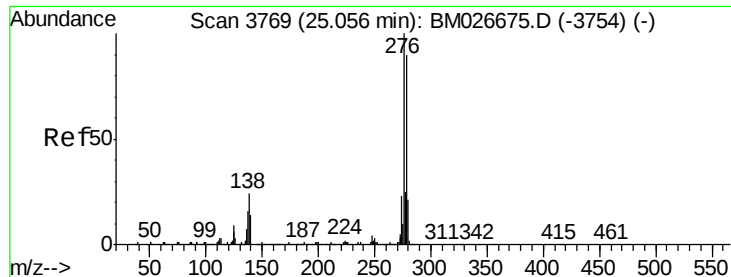
Tot Ion:149 Resp: 127293
Ion Ratio Lower Upper
149 100
167 51.6 1.3 1.9#
43 55.4 11.2 16.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.02 min Scan# 3448
Delta R.T. 0.01 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

Tgt Ion:264 Resp: 547356
Ion Ratio Lower Upper
264 100
260 23.2 18.2 27.2
265 22.5 17.6 26.4

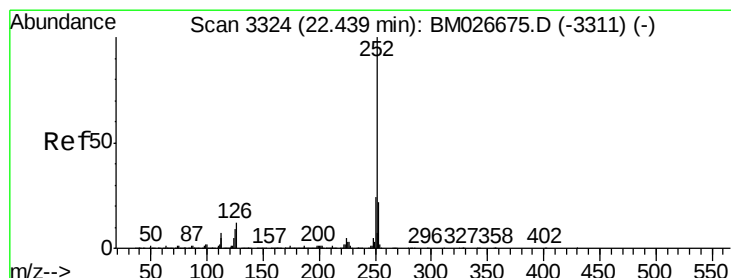
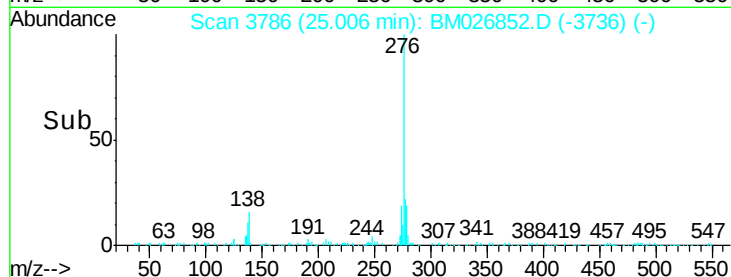
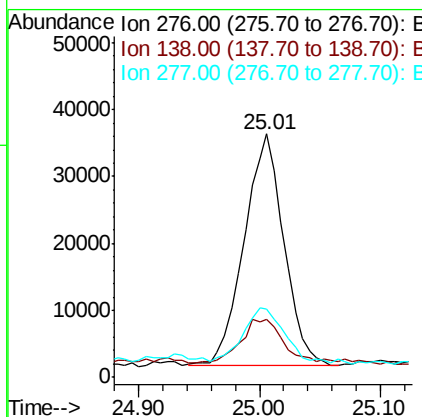
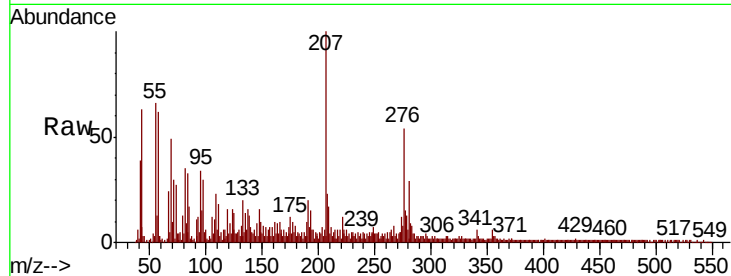




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.018 ng
 RT: 25.01 min Scan# 3786
 Delta R.T. -0.01 min
 Lab File: BM026852.D
 Acq: 23 Jul 2020 15:41

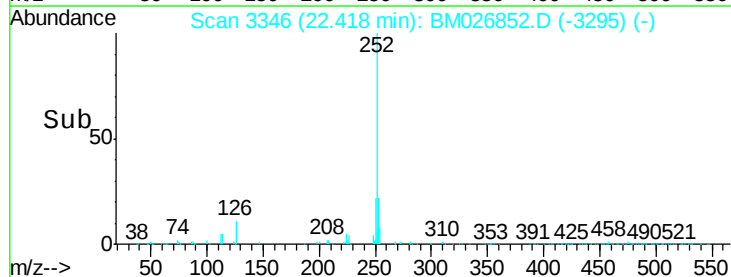
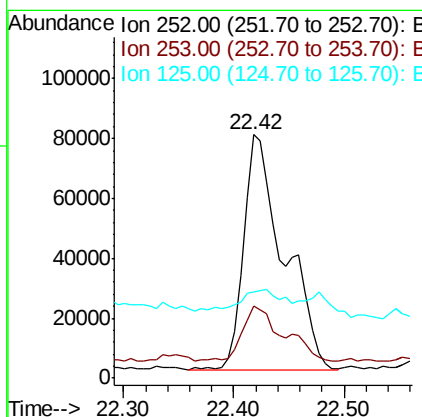
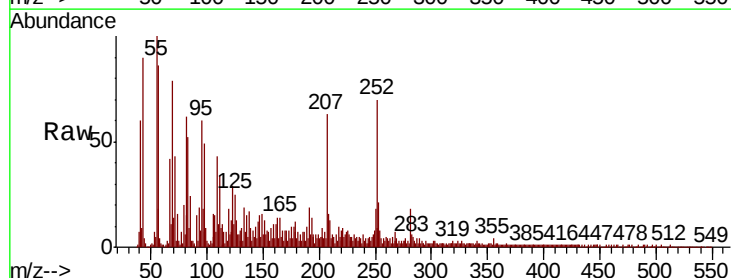
Instrument :
 BNA_M
 ClientSampled :

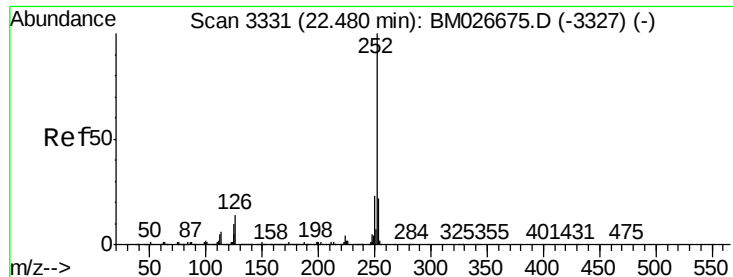
Tot Ion:276 Resp: 78632
 Ion Ratio Lower Upper
 276 100
 138 19.7 18.4 27.6
 277 25.2 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 5.572 ng
 RT: 22.42 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: BM026852.D
 Acq: 23 Jul 2020 15:41

Tgt Ion:252 Resp: 200967
 Ion Ratio Lower Upper
 252 100
 253 29.9 17.5 26.3#
 125 35.2 7.5 11.3#

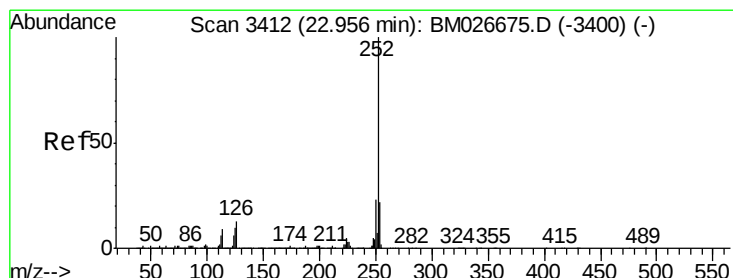
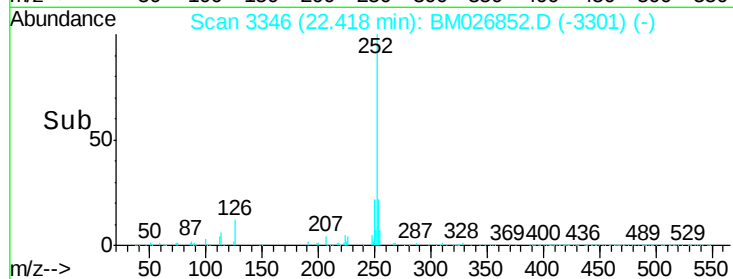
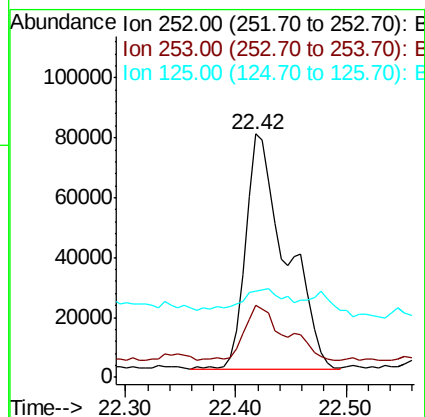
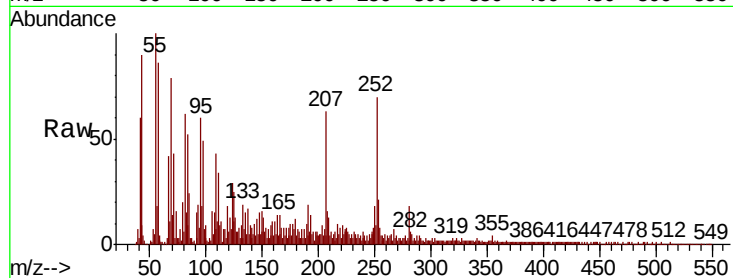




#89
Benzo(k)fluoranthene
Concen: 5.681 ng
RT: 22.42 min Scan# 3346
Delta R.T. -0.04 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

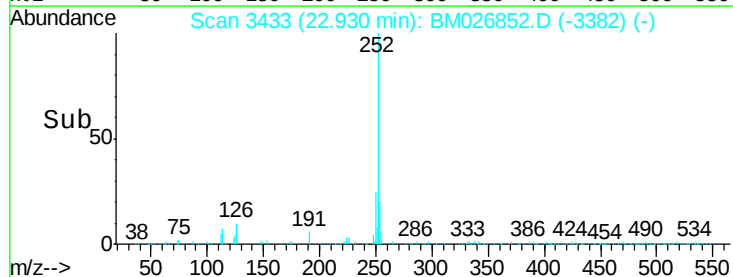
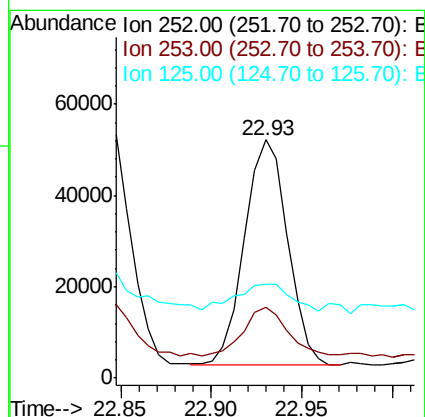
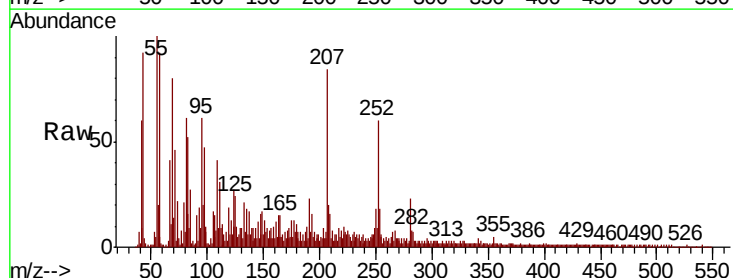
Instrument :
BNA_M
ClientSampled :

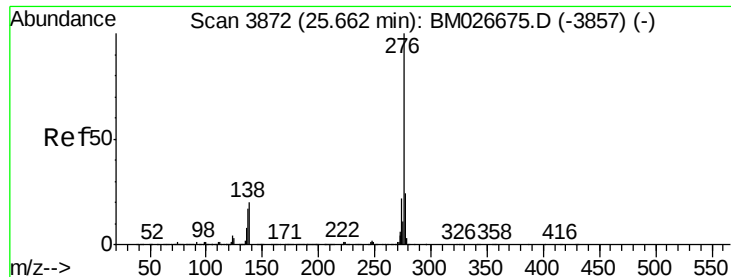
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.5	26.3#
125	35.2	7.8	11.8#



#90
Benzo(a)pyrene
Concen: 2.439 ng
RT: 22.93 min Scan# 3433
Delta R.T. 0.00 min
Lab File: BM026852.D
Acq: 23 Jul 2020 15:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.4	26.2#
125	39.3	8.2	12.4#





#92

Benzo(a,h,i)perylene

Concen: 2.558 ng

RT: 25.61 min Scan# 3888

Delta R.T. -0.01 min

Lab File: BM026852.D

Acq: 23 Jul 2020 15:41

Instrument :

BNA_M

ClientSampleId :

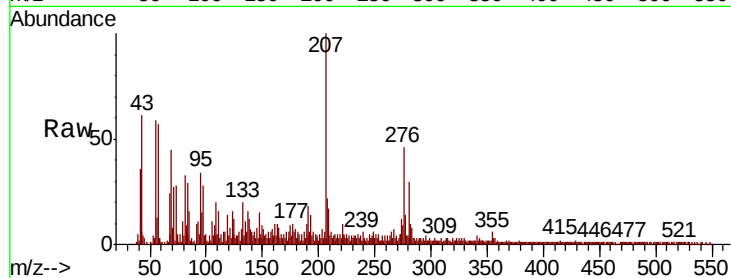
Tot Ion: 276 Resp: 77536

Ion Ratio Lower Upper

276 100

277 31.1 19.1 28.7#

138 25.1 15.8 23.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

