

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072320\
 Data File : BM026850.D
 Acq On : 23 Jul 2020 14:28
 Operator : JU/CG
 Sample : L3360-04RXRE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 23 15:37:16 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	7.27	152	93053	20.00	ng	-0.02
21) Naphthalene-d8	10.03	136	363575	20.00	ng	-0.02
39) Acenaphthene-d10	13.94	164	205818	20.00	ng	-0.02
64) Phenanthrene-d10	16.71	188	423559	20.00	ng	-0.02
76) Chrysene-d12	20.94	240	469691	20.00	ng	-0.01
86) Perylene-d12	23.00	264	491496	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.92	112	79132	14.25	ng	-0.02
7) Phenol-d6	6.49	99	406158	45.92	ng	-0.02
23) Nitrobenzene-d5	8.42	82	416929	48.92	ng	-0.02
42) 2,4,6-Tribromophenol	15.46	330	22965	7.66	ng	-0.01
45) 2-Fluorobiphenyl	12.55	172	757738	48.95	ng	-0.02
79) Terphenyl-d14	19.38	244	1057058	44.29	ng	-0.01

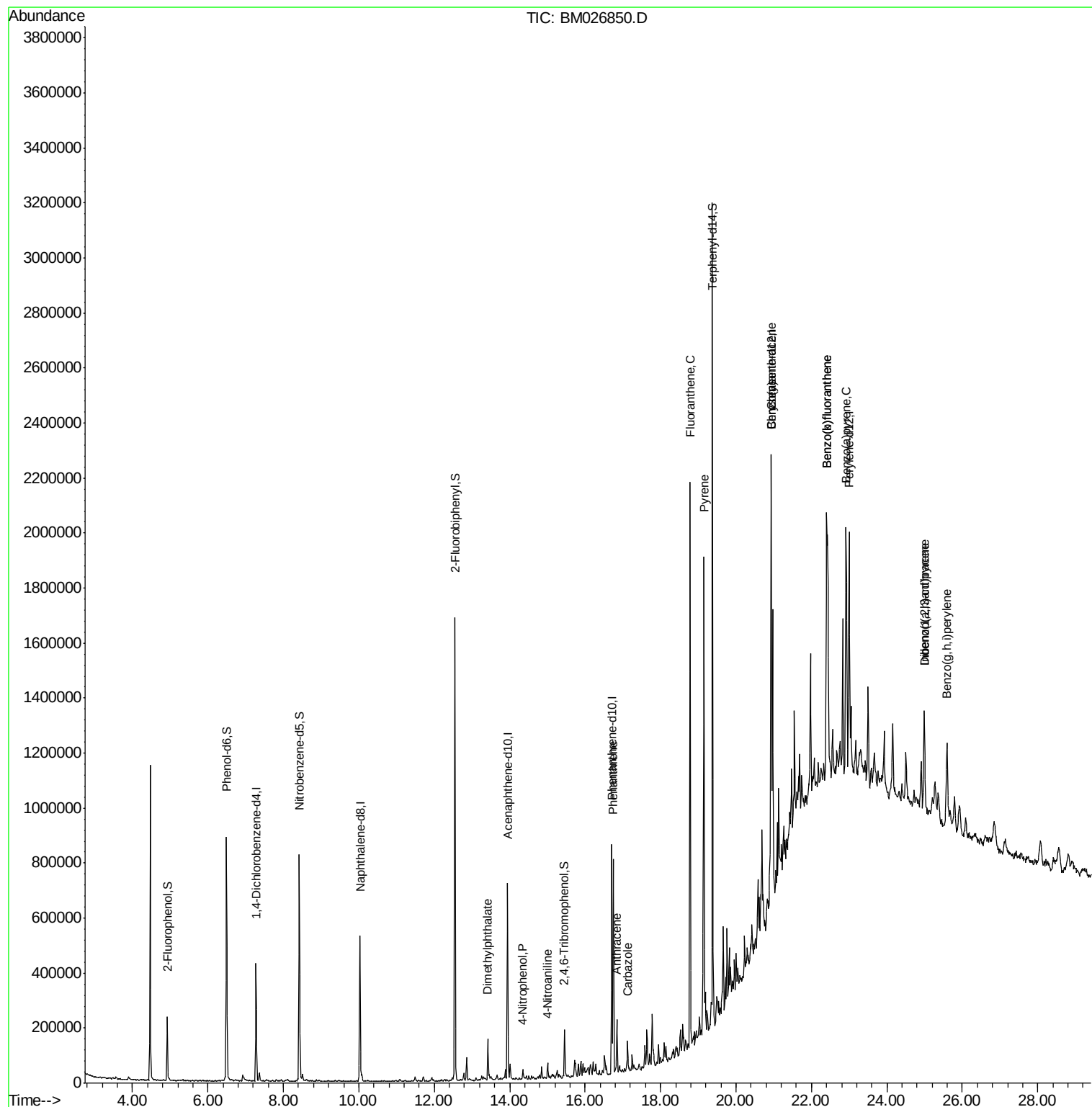
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.42	163	83884	4.765	ng	100
56) 4-Nitrophenol	14.35	139	6103	5.610	ng	# 1
62) 4-Nitroaniline	15.01	138	322	3.207	ng	# 55
71) Phenanthrene	16.75	178	404457	16.175	ng	99
72) Anthracene	16.84	178	98875	3.972	ng	98
73) Carbazole	17.12	167	58089	2.448	ng	96
75) Fluoranthene	18.78	202	1128770	36.651	ng	99
78) Pyrene	19.15	202	1008377	34.081	ng	99
81) Benzo(a)anthracene	20.92	228	561270	17.790	ng	98
83) Chrysene	20.92	228	561270	18.278	ng	96
87) Indeno(1,2,3-cd)pyrene	24.99	276	304267	8.696	ng	95
88) Benzo(b)fluoranthene	22.41	252	688186	21.251	ng	96
89) Benzo(k)fluoranthene	22.41	252	688186	21.664	ng	96
90) Benzo(a)pyrene	22.91	252	482375	16.045	ng	96
91) Dibenzo(a,h)anthracene	24.99	278	81193	2.749	ng	# 80
92) Benzo(g,h,i)perylene	25.59	276	302619	11.119	ng	97

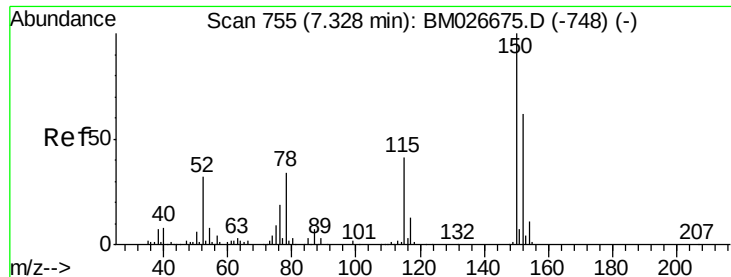
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 22 14:16:10 2020
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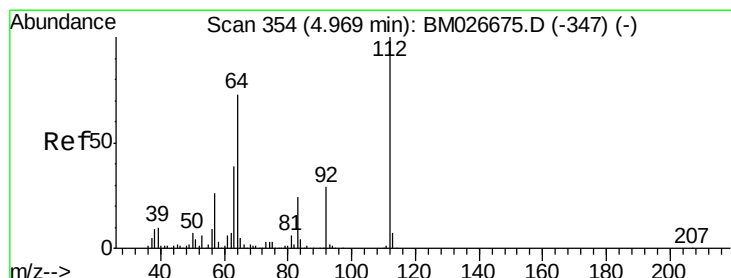
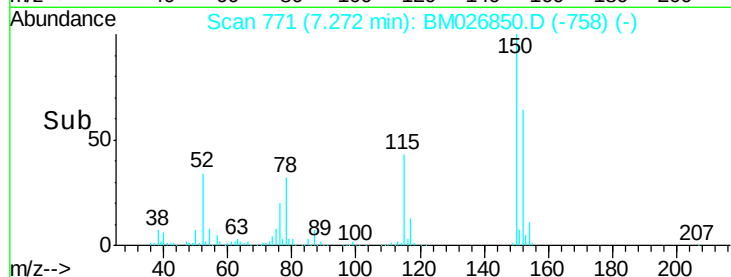
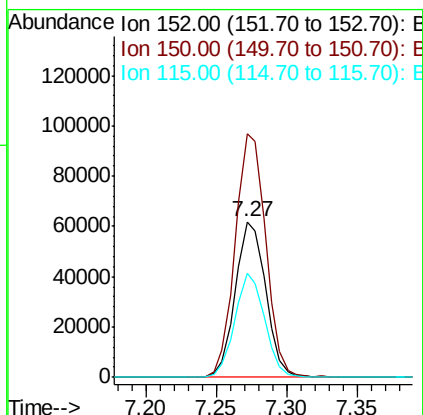
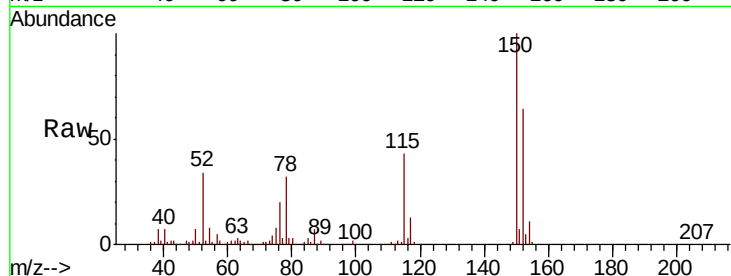


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.27 min Scan# 771
Delta R.T. -0.02 min
Lab File: BM026850.D
Acq: 23 Jul 2020 14:28

Instrument :
BNA_M
ClientSampleId :

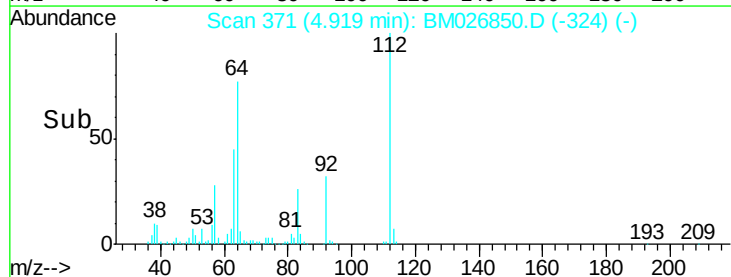
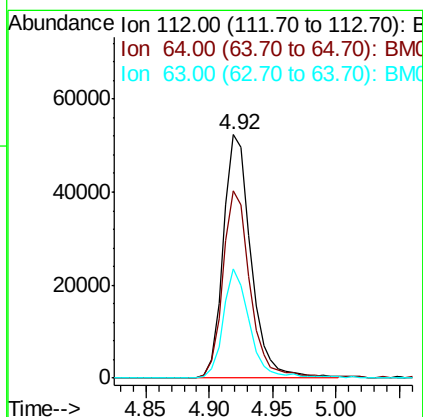
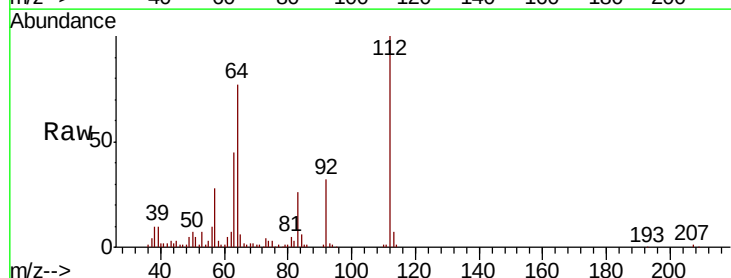
Tot Ion:152 Resp: 93053
Ion Ratio Lower Upper
152 100
150 156.7 128.1 192.1
115 67.1 52.2 78.4

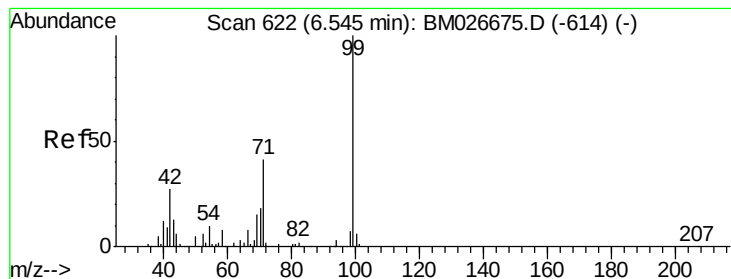


#5

2-Fluorophenol
Concen: 14.253 ng
RT: 4.92 min Scan# 371
Delta R.T. -0.02 min
Lab File: BM026850.D
Acq: 23 Jul 2020 14:28

Tgt Ion:112 Resp: 79132
Ion Ratio Lower Upper
112 100
64 77.2 58.4 87.6
63 44.7 31.5 47.3





#7

Phenol-d6

Concen: 45.917 ng

RT: 6.49 min Scan# 638

Delta R.T. -0.02 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

Instrument :

BNA_M

ClientSampleId :

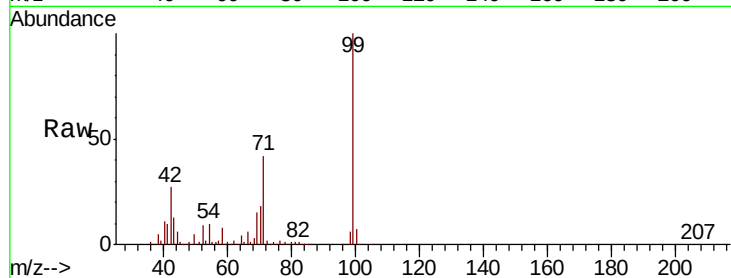
Tot Ion: 99 Resp: 406158

Ion Ratio Lower Upper

99 100

42 26.6 21.7 32.5

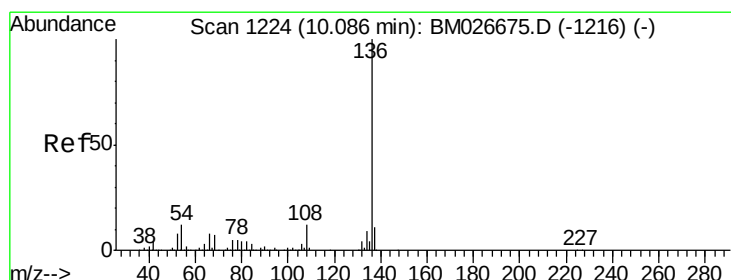
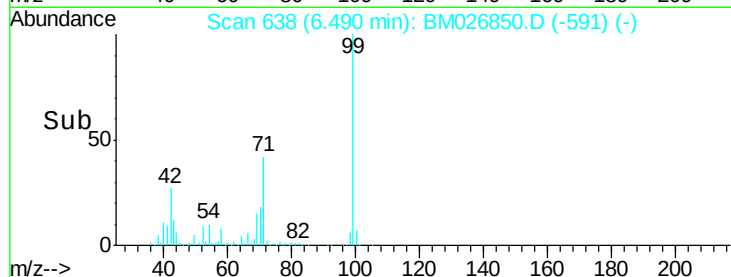
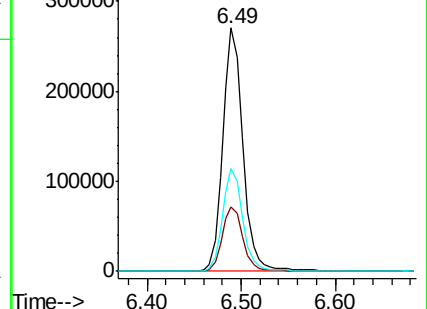
71 42.3 33.2 49.8



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: BM026850.D

Acq: 23 Jul 2020 14:28

Tgt Ion: 136 Resp: 363575

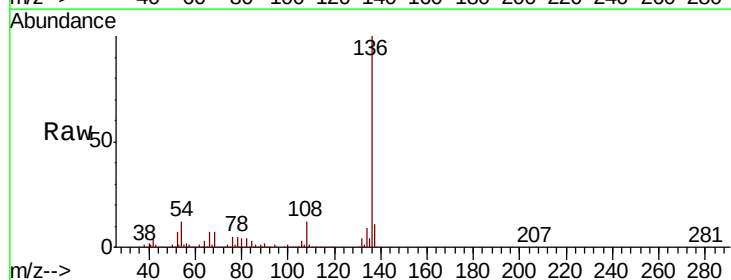
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 11.7 9.8 14.6

68 6.9 5.8 8.6

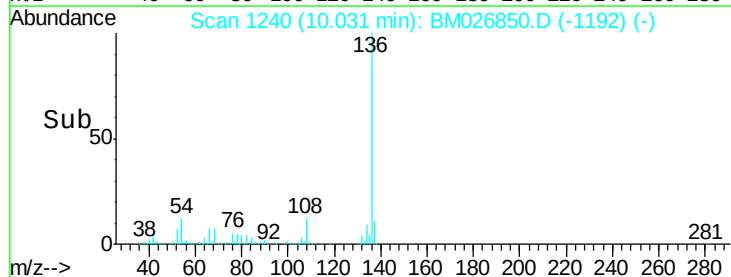
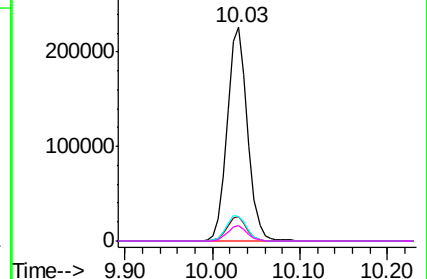


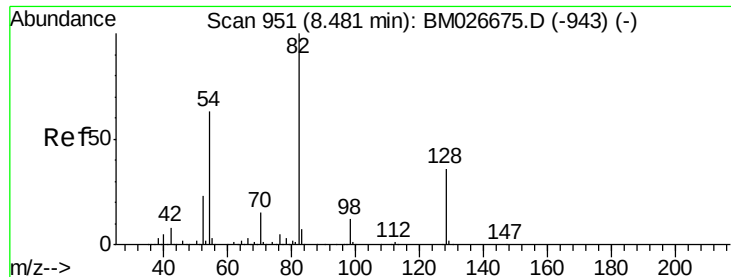
Abundance Ion 136.00 (135.70 to 136.70): BM026675.D (-1216) (-)

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) (-)

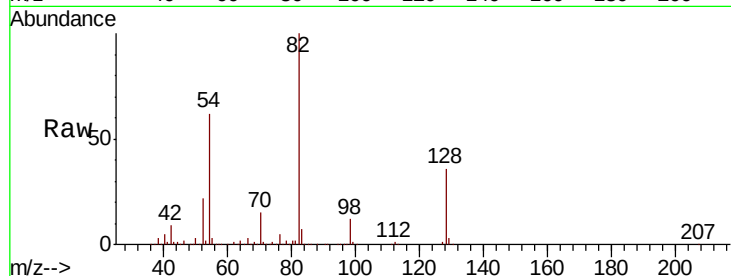




#23
Nitrobenzene-d5
Concen: 48.924 ng
RT: 8.42 min Scan# 967
Delta R.T. -0.02 min
Lab File: BM026850.D
Acq: 23 Jul 2020 14:28

Instrument :
BNA_M
ClientSampleId :

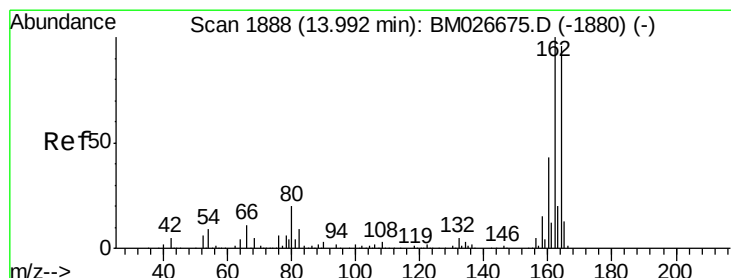
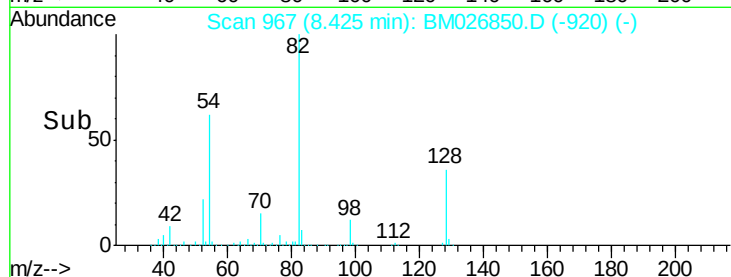
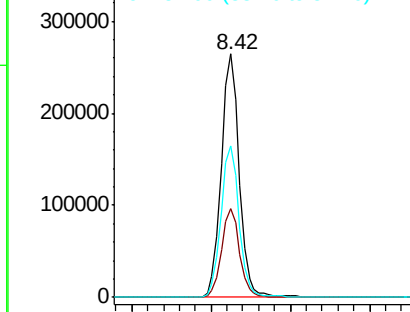
Tot Ion	82	Resp	416929
Ion Ratio	Lower	Upper	
82	100		
128	36.5	29.1	43.7
54	62.5	50.2	75.4



Abundance Ion 82.00 (81.70 to 82.70): BM026675.D (-943) (-)

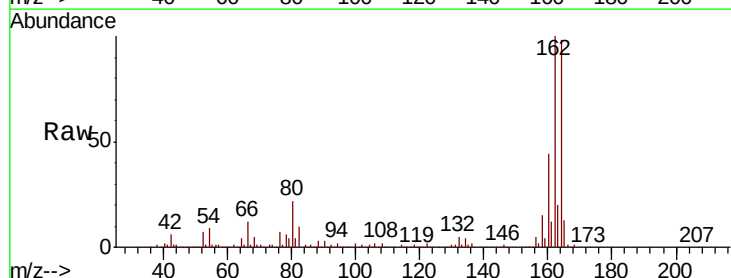
Ion 128.00 (127.70 to 128.70): BM026675.D (-943) (-)

Ion 54.00 (53.70 to 54.70): BM026675.D (-943) (-)



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.94 min Scan# 1905
Delta R.T. -0.02 min
Lab File: BM026850.D
Acq: 23 Jul 2020 14:28

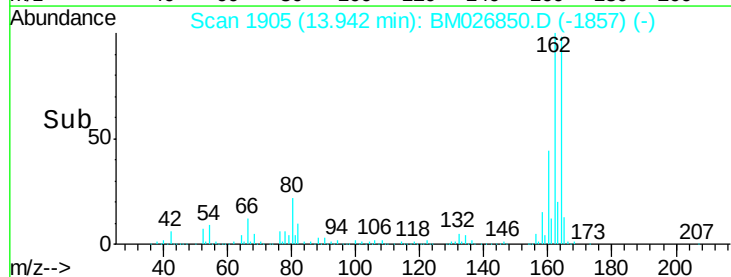
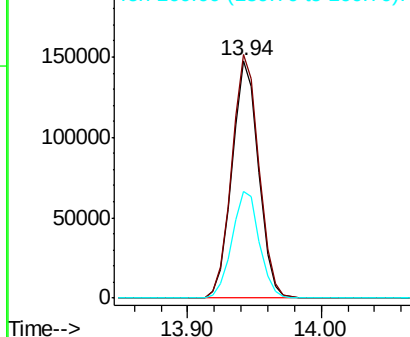
Tgt Ion	164	Resp	205818
Ion Ratio	Lower	Upper	
164	100		
162	102.5	83.7	125.5
160	44.8	36.2	54.2

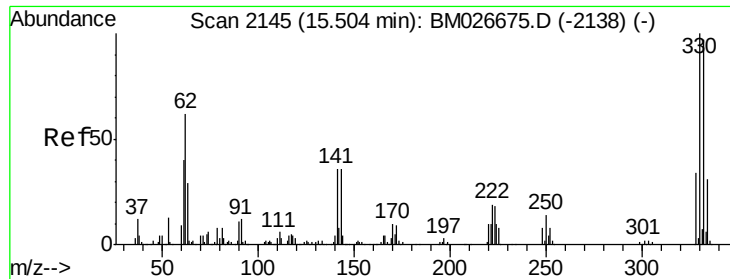


Abundance Ion 164.00 (163.70 to 164.70): BM026675.D (-1880) (-)

Ion 162.00 (161.70 to 162.70): BM026675.D (-1880) (-)

Ion 160.00 (159.70 to 160.70): BM026675.D (-1880) (-)

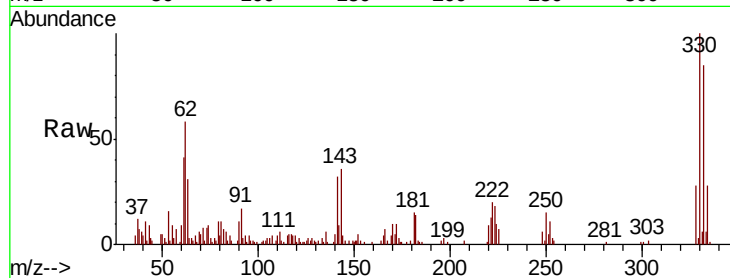




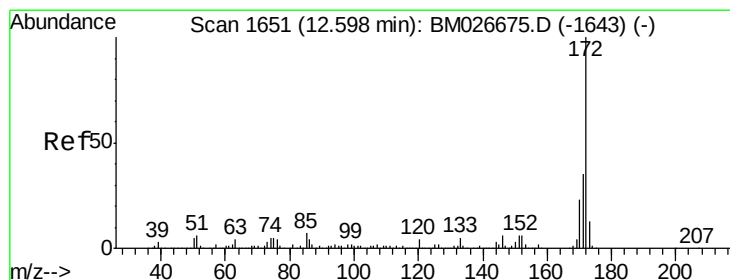
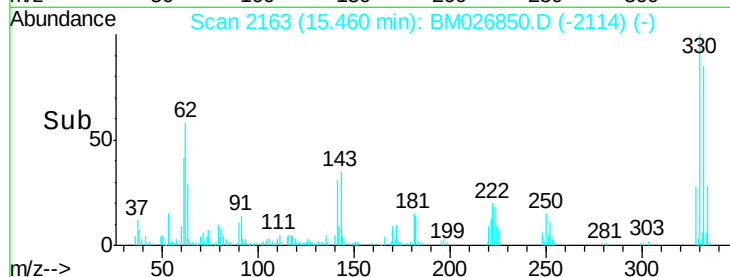
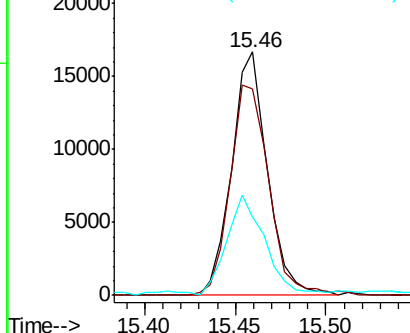
#42
 2,4,6-Tribromophenol
 Concen: 7.660 ng
 RT: 15.46 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: BM026850.D
 Acq: 23 Jul 2020 14:28

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:330 Resp: 22965
 Ion Ratio Lower Upper
 330 100
 332 93.6 77.5 116.3
 141 40.6 32.4 48.6

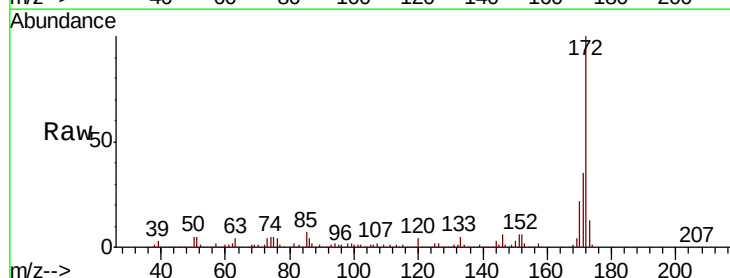


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

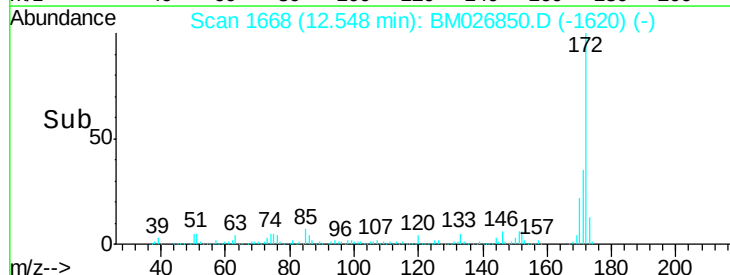
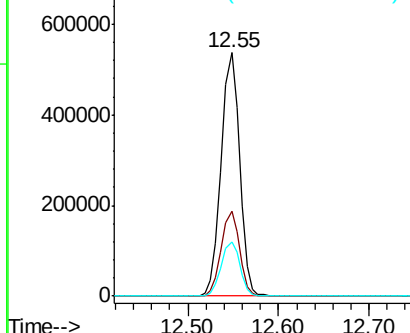


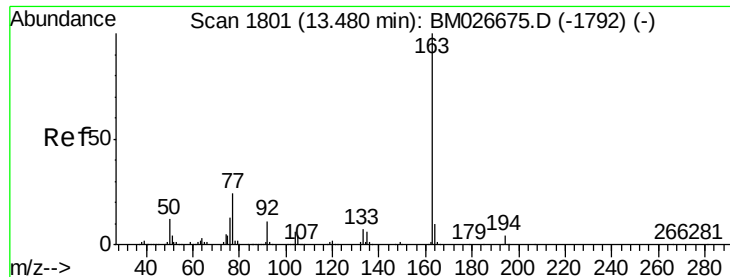
#45
 2-Fluorobiphenyl
 Concen: 48.952 ng
 RT: 12.55 min Scan# 1668
 Delta R.T. -0.02 min
 Lab File: BM026850.D
 Acq: 23 Jul 2020 14:28

Tgt Ion:172 Resp: 757738
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.8 41.6
 170 22.4 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





#50

Dimethylphthalate

Concen: 4.765 ng

RT: 13.42 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

Instrument :

BNA_M

ClientSampleId :

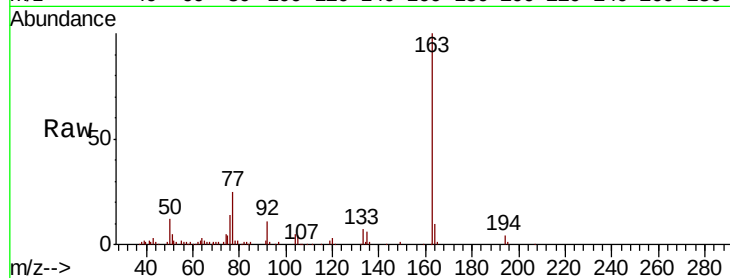
Tot Ion:163 Resp: 83884

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

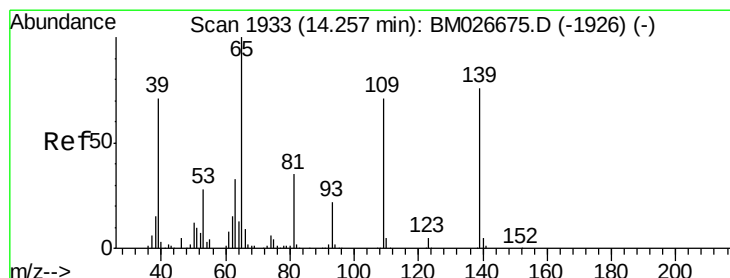
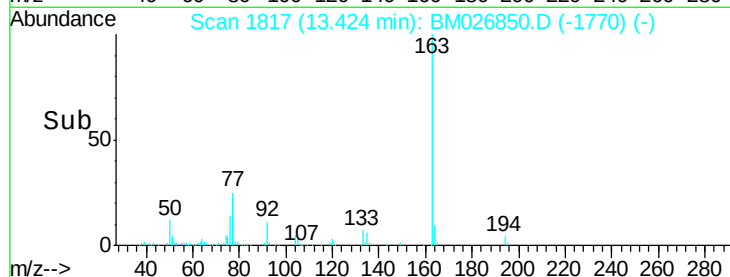
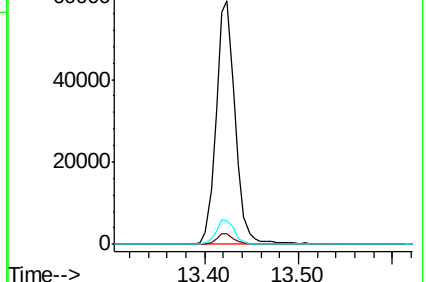
164 9.8 7.8 11.6



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: 5.610 ng

RT: 14.35 min Scan# 1975

Delta R.T. 0.12 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

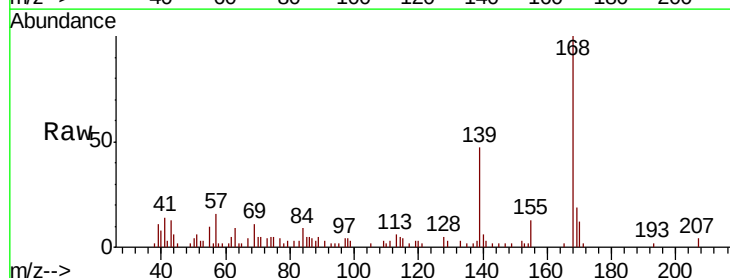
Tgt Ion:139 Resp: 6103

Ion Ratio Lower Upper

139 100

109 6.6 73.7 113.7#

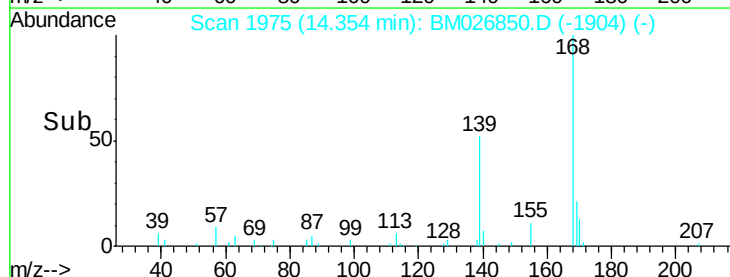
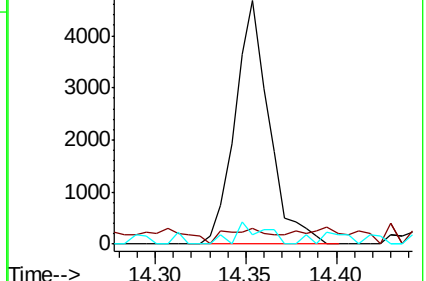
65 3.7 111.5 151.5#

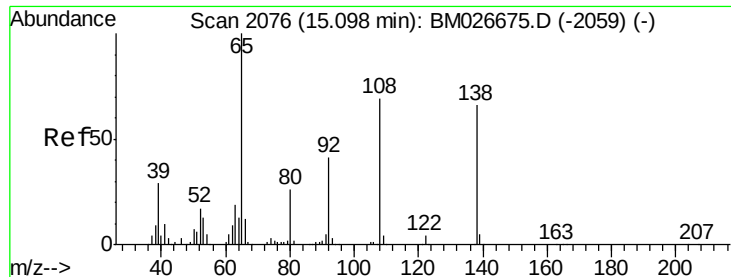


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM0

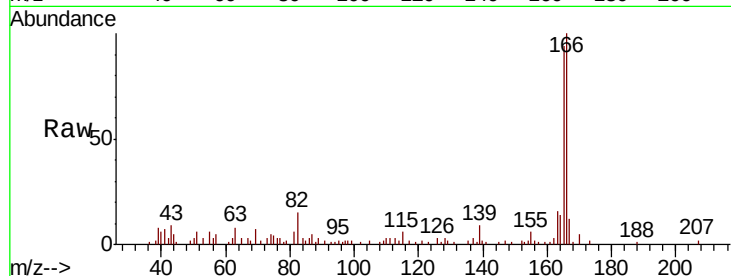




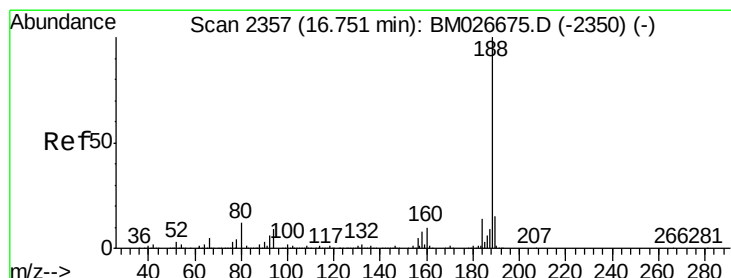
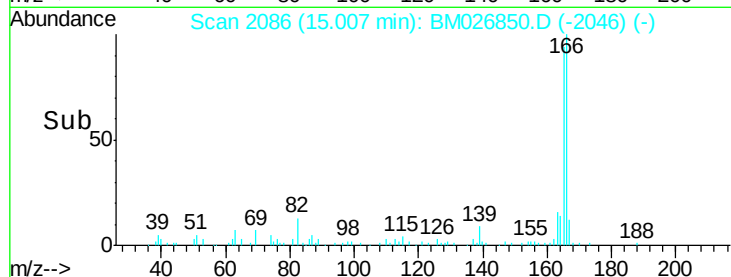
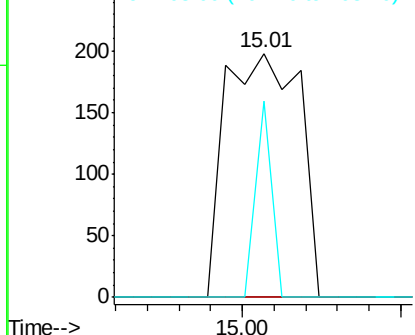
#62
4-Nitroaniline
Concen: 3.207 ng
RT: 15.01 min Scan# 2086
Delta R.T. -0.06 min
Lab File: BM026850.D
Acq: 23 Jul 2020 14:28

Instrument :
BNA_M
ClientSampleId :

Tot Ion:138 Resp: 322
Ion Ratio Lower Upper
138 100
92 0.0 41.5 81.5#
108 80.3 84.8 124.8#

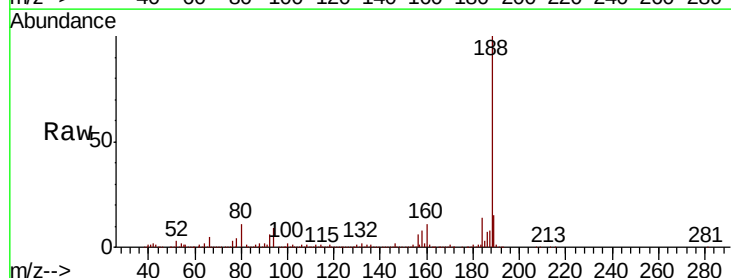


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

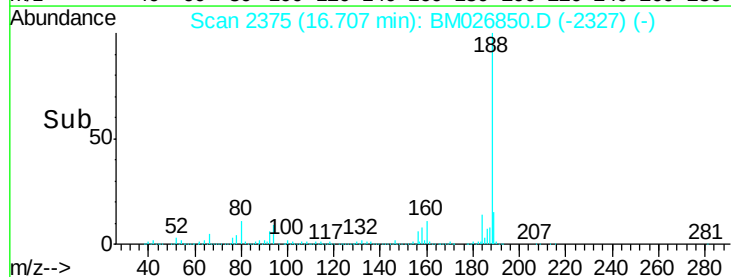
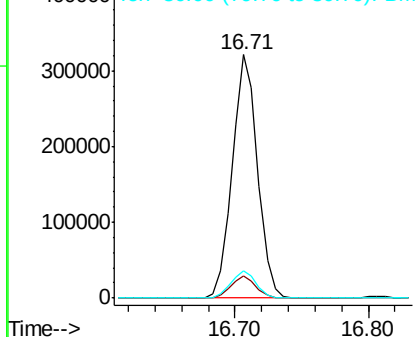


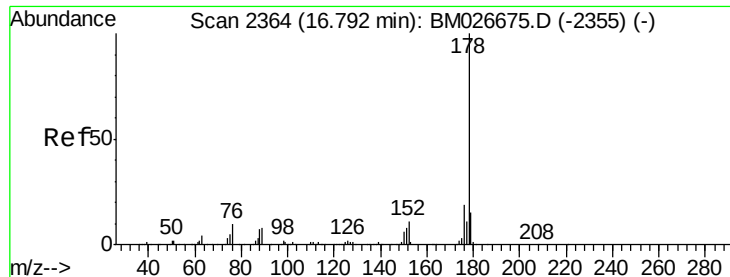
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.71 min Scan# 2375
Delta R.T. -0.02 min
Lab File: BM026850.D
Acq: 23 Jul 2020 14:28

Tgt Ion:188 Resp: 423559
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.0
80 11.4 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

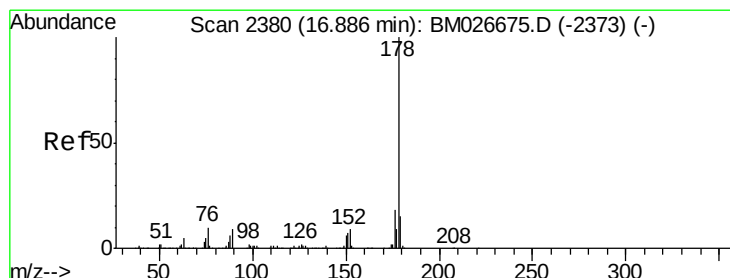
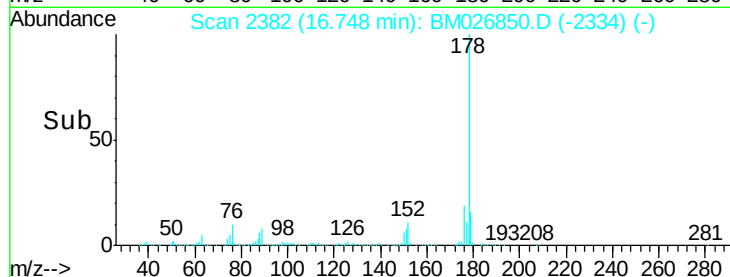
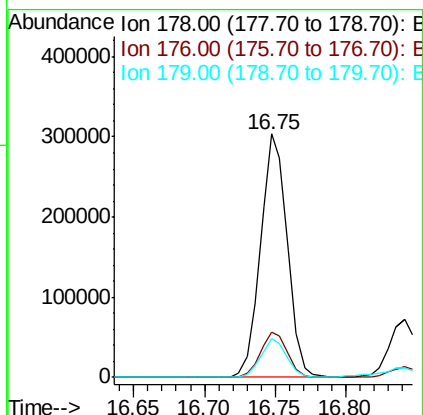
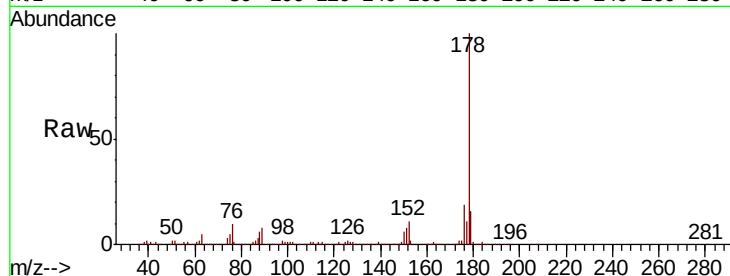




#71
Phenanthrene
Concen: 16.175 ng
RT: 16.75 min Scan# 2382
Delta R.T. -0.02 min
Lab File: BM026850.D
Acq: 23 Jul 2020 14:28

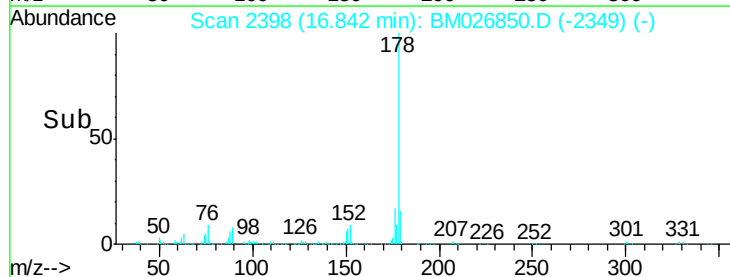
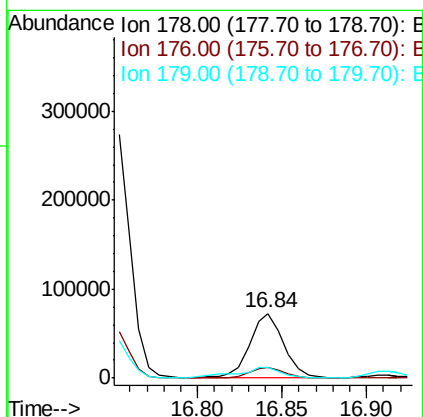
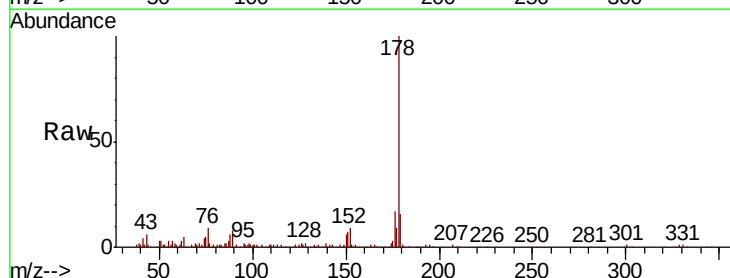
Instrument :
BNA_M
ClientSampleId :

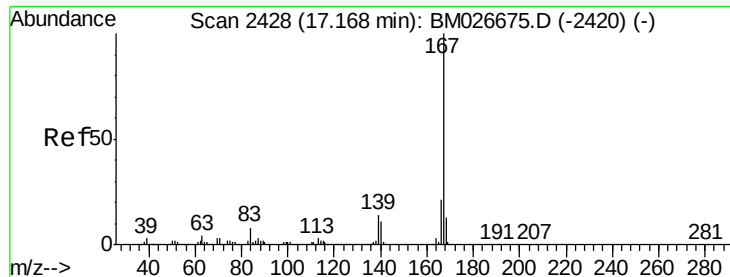
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.9	12.1	18.1



#72
Anthracene
Concen: 3.972 ng
RT: 16.84 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BM026850.D
Acq: 23 Jul 2020 14:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.7	22.1
179	16.1	12.1	18.1

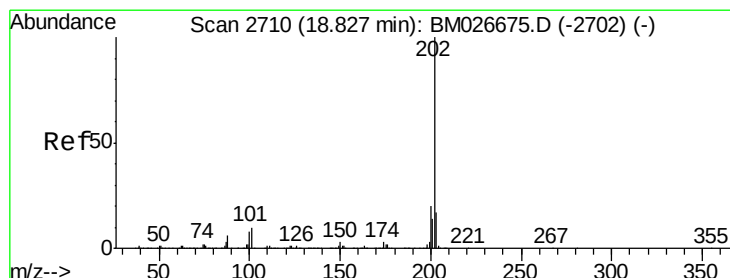
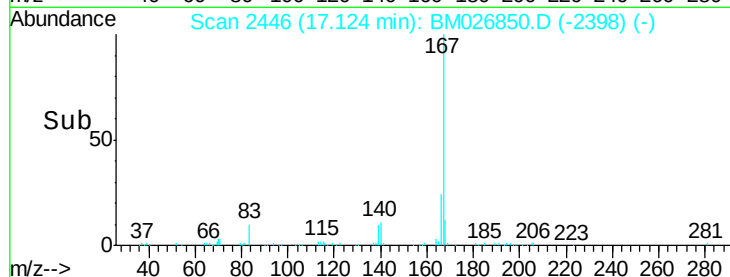
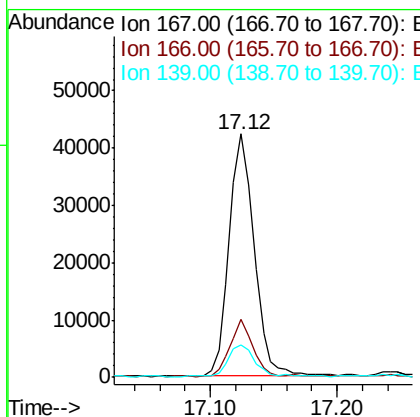
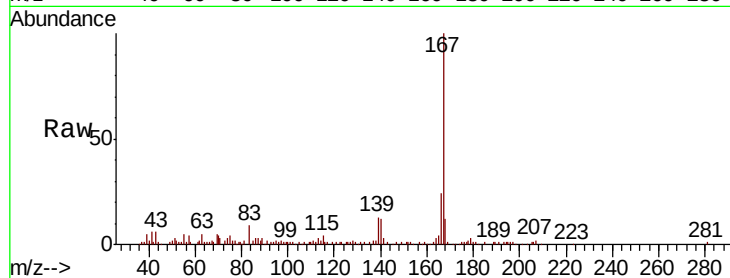




#73
 Carbazole
 Concen: 2.448 ng
 RT: 17.12 min Scan# 2446
 Delta R.T. -0.02 min
 Lab File: BM026850.D
 Acq: 23 Jul 2020 14:28

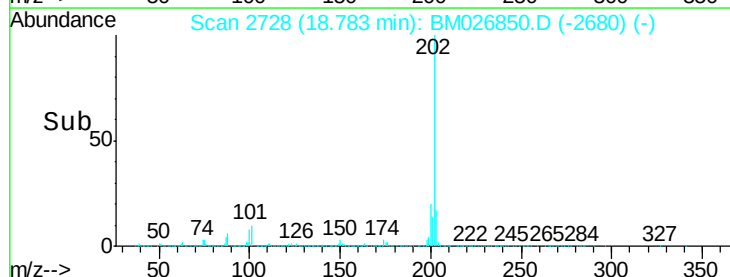
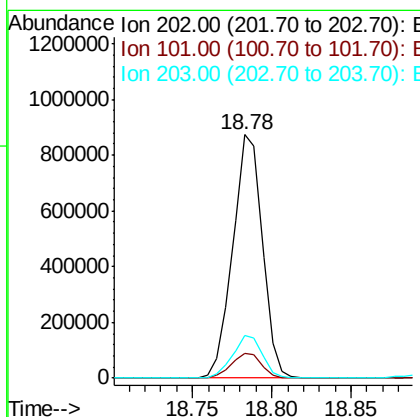
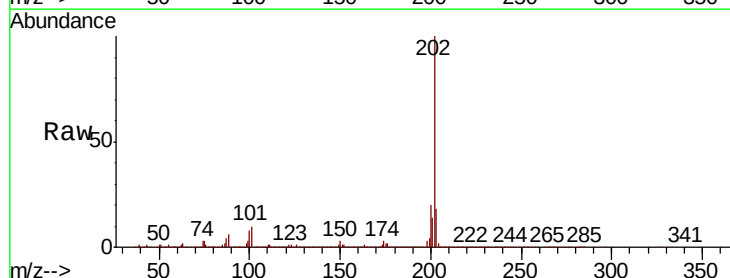
Instrument :
 BNA_M
 ClientSampleId :

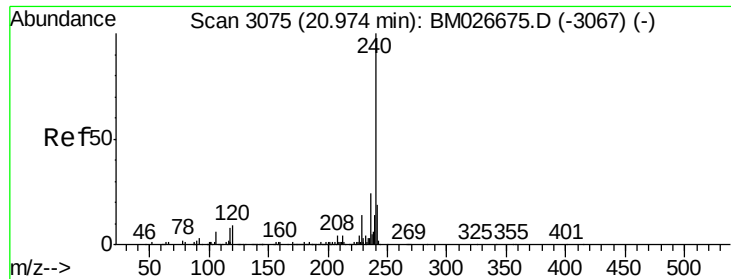
Tot Ion	Ratio	Lower	Upper
167	100		
166	24.0	16.9	25.3
139	13.3	10.8	16.2



#75
 Fluoranthene
 Concen: 36.651 ng
 RT: 18.78 min Scan# 2728
 Delta R.T. -0.02 min
 Lab File: BM026850.D
 Acq: 23 Jul 2020 14:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.1
203	17.5	0.0	37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.94 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

Instrument :

BNA_M

ClientSampled :

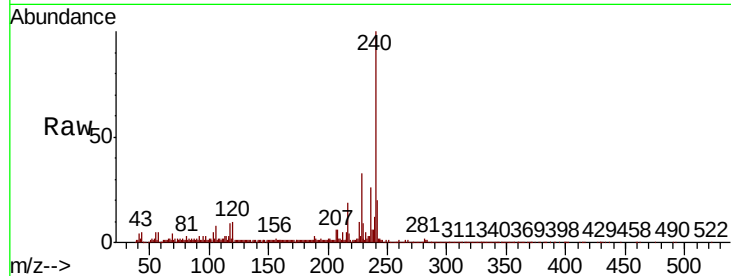
Tot Ion:240 Resp: 469691

Ion Ratio Lower Upper

240 100

120 10.4 7.3 10.9

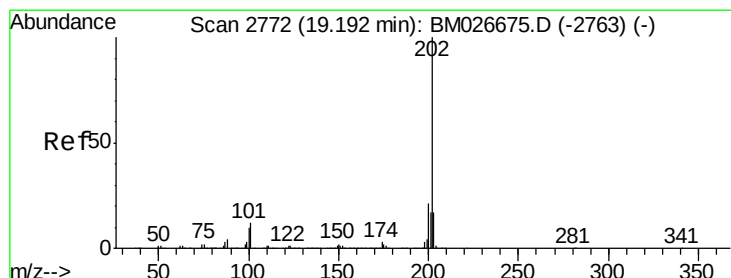
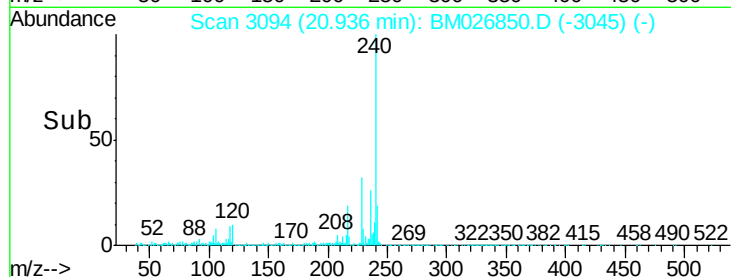
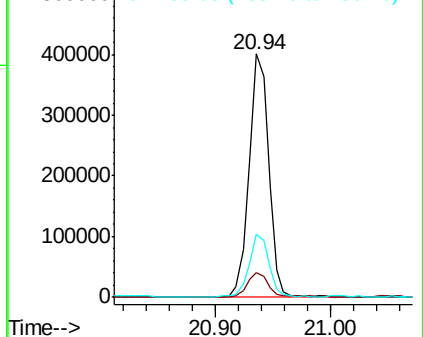
236 25.8 19.4 29.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 34.081 ng

RT: 19.15 min Scan# 2791

Delta R.T. -0.01 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

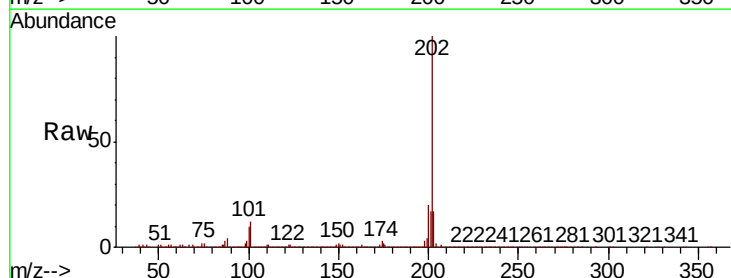
Tgt Ion:202 Resp: 1008377

Ion Ratio Lower Upper

202 100

200 19.8 16.6 24.8

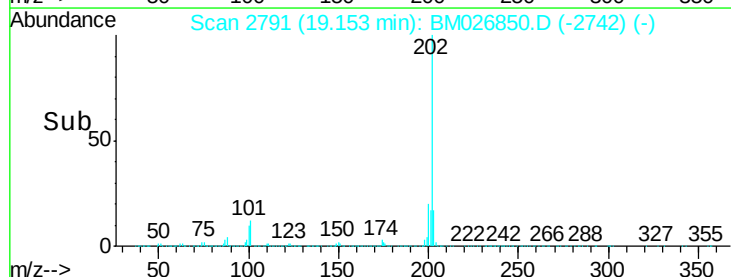
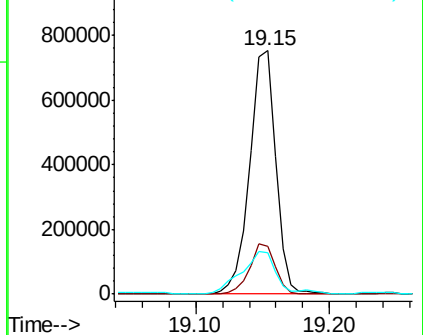
203 16.8 13.7 20.5

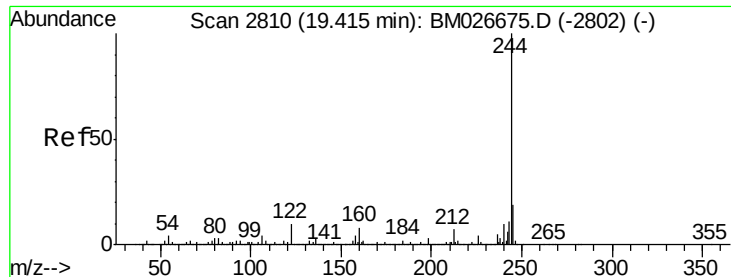


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 44.291 ng

RT: 19.38 min Scan# 2829

Delta R.T. -0.01 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

Instrument :

BNA_M

ClientSampleId :

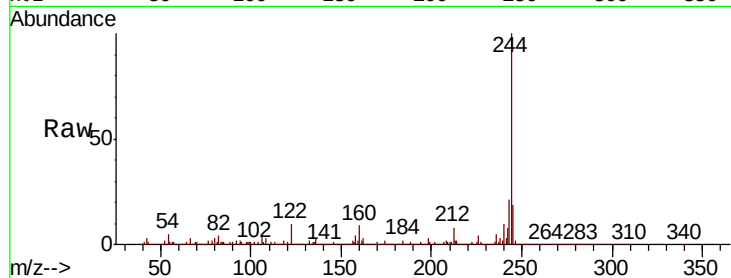
Tot Ion:244 Resp: 1057058

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

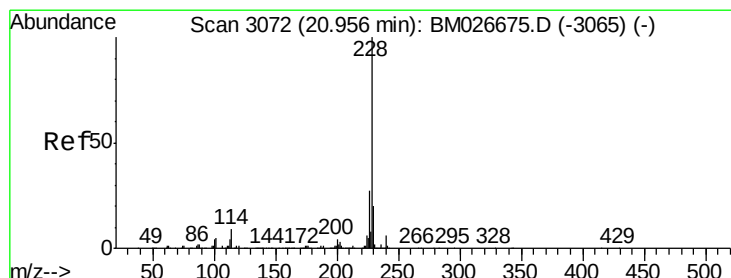
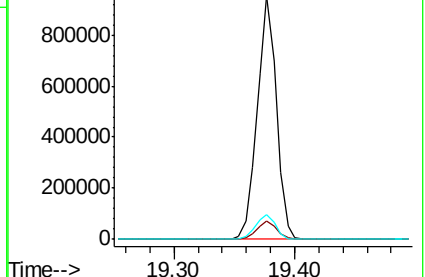
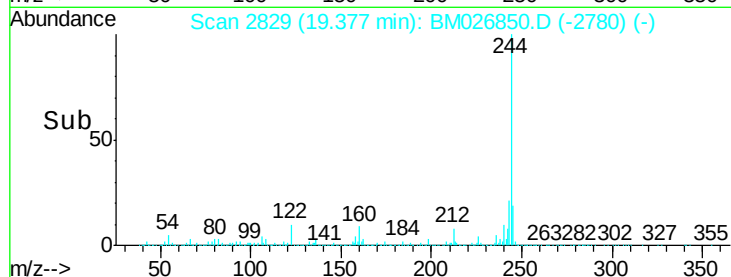
122 10.4 8.2 12.4



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: 17.790 ng

RT: 20.92 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

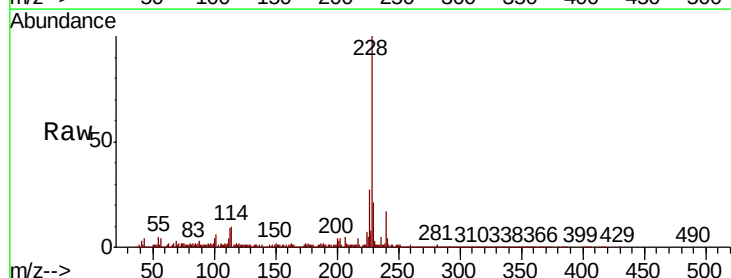
Tgt Ion:228 Resp: 561270

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

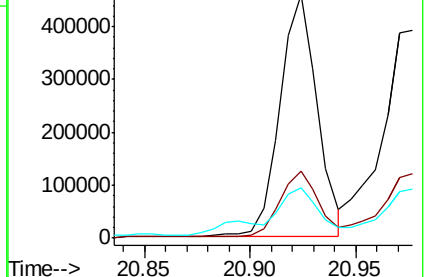
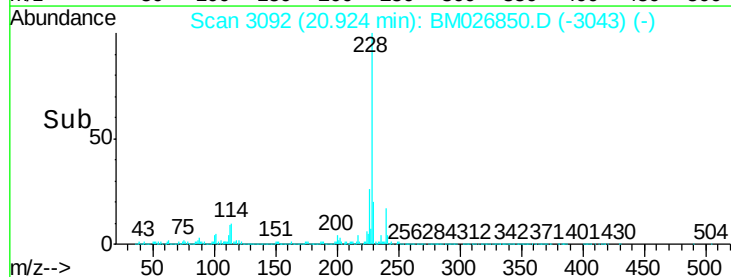
229 20.8 15.6 23.4

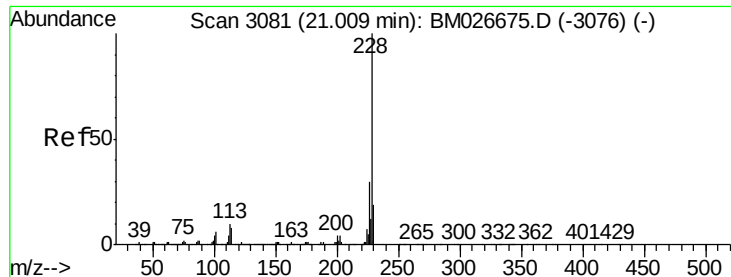


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 18.278 ng

RT: 20.92 min Scan# 3092

Delta R.T. -0.06 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

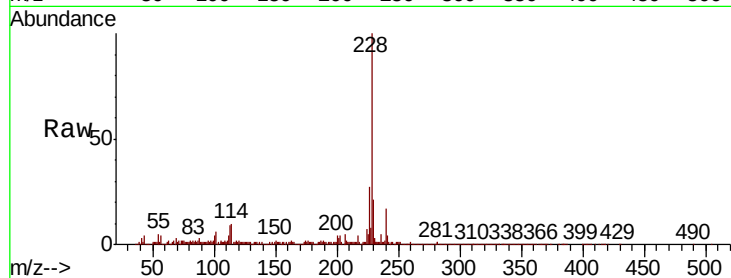
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 561270

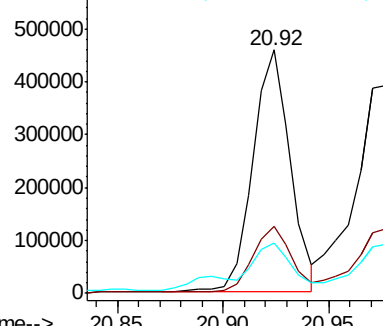
Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.7	35.5
229	20.8	15.4	23.0



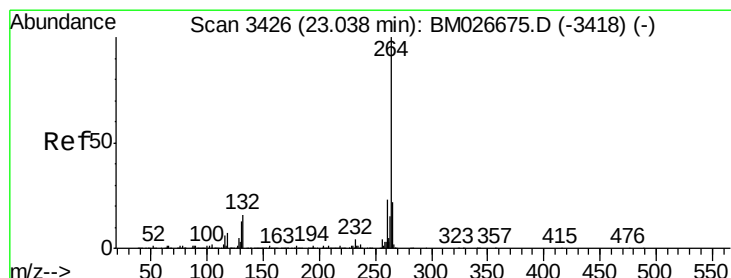
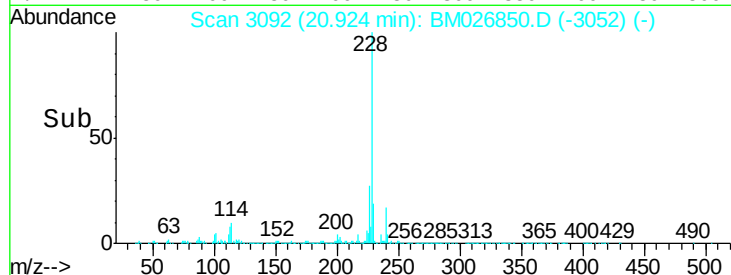
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.00 min Scan# 3445

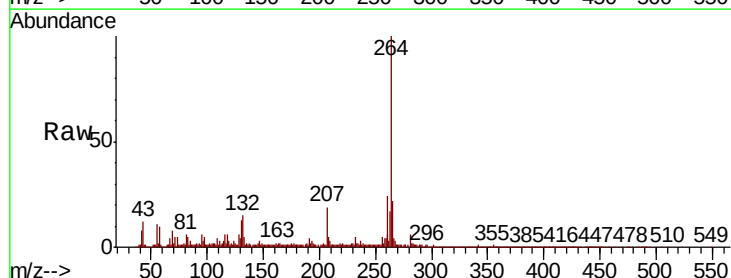
Delta R.T. -0.01 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

Tgt Ion:264 Resp: 491496

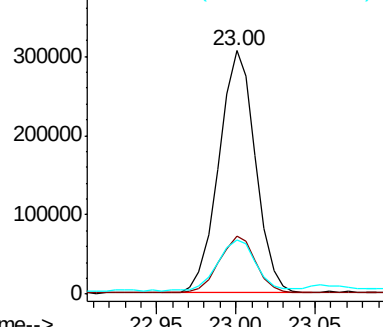
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.2
265	22.1	17.6	26.4



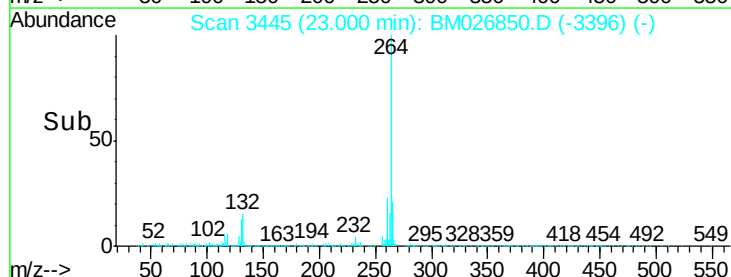
Abundance Ion 264.00 (263.70 to 264.70): E

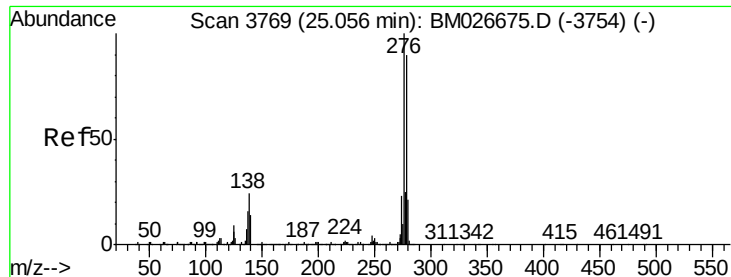
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.696 ng

RT: 24.99 min Scan# 3783

Delta R.T. -0.02 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

Instrument :

BNA_M

ClientSampleId :

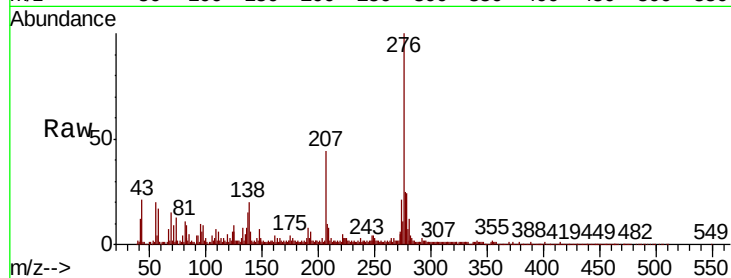
Tot Ion:276 Resp: 304267

Ion Ratio Lower Upper

276 100

138 19.6 18.4 27.6

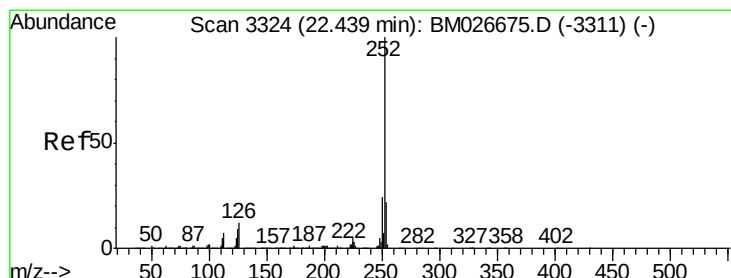
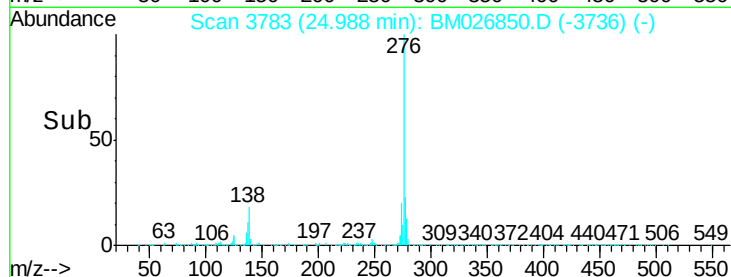
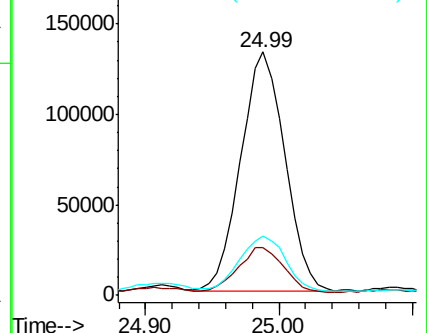
277 23.9 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 21.251 ng

RT: 22.41 min Scan# 3344

Delta R.T. -0.01 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

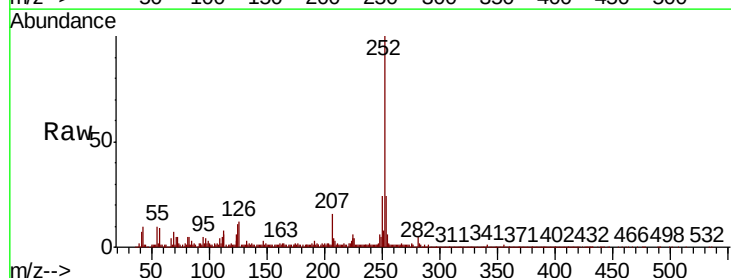
Tgt Ion:252 Resp: 688186

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

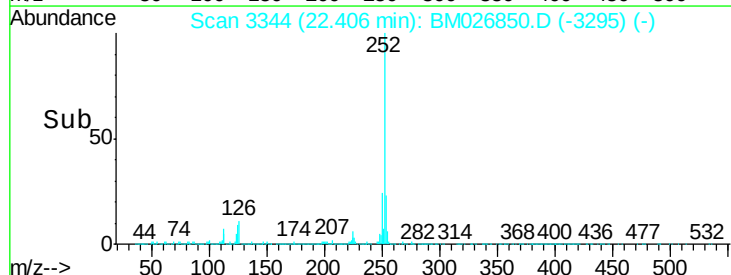
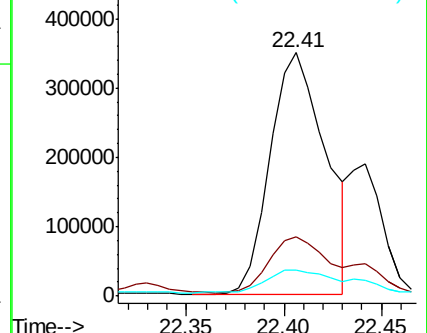
125 10.5 7.5 11.3

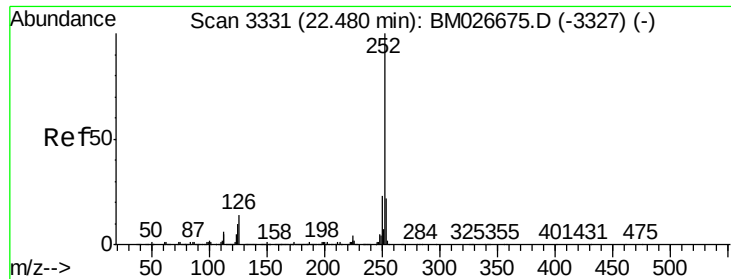


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 21.664 ng

RT: 22.41 min Scan# 3344

Delta R.T. -0.05 min

Lab File: BM026850.D

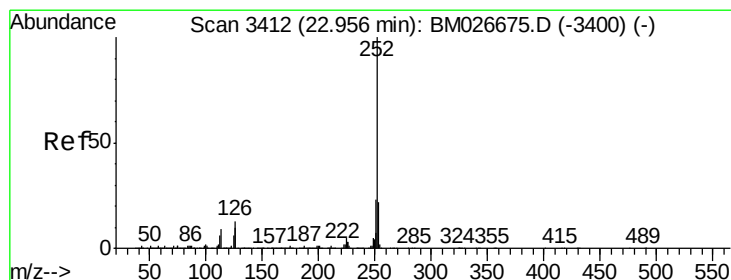
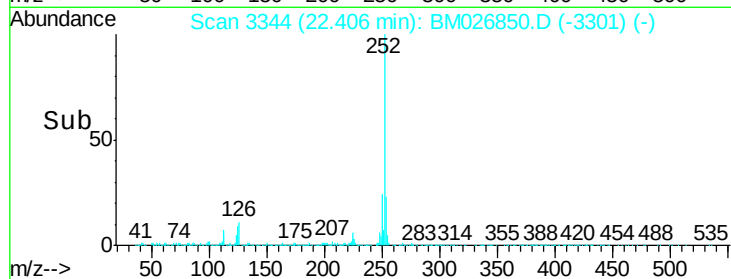
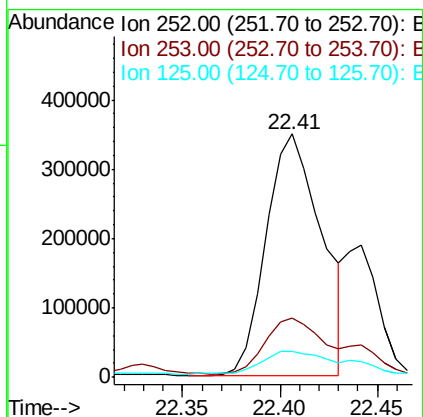
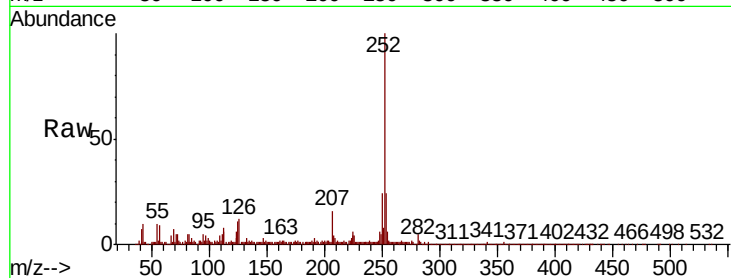
Acq: 23 Jul 2020 14:28

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	688186
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.5 26.3
125	10.5	7.8 11.8



#90

Benzo(a)pyrene

Concen: 16.045 ng

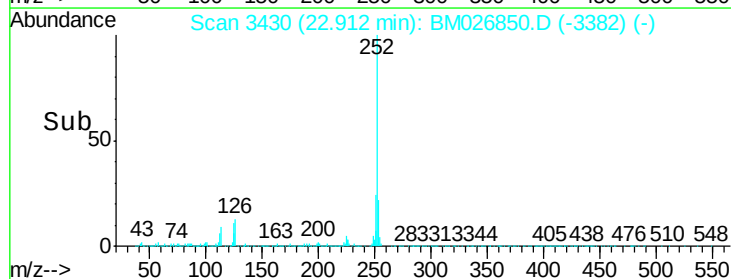
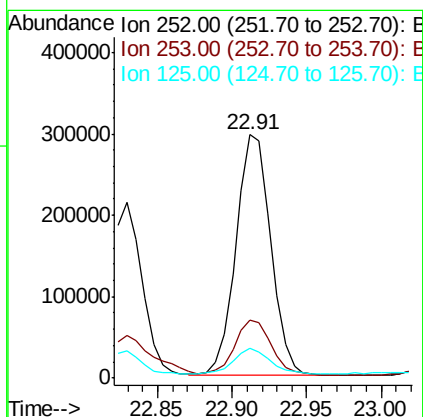
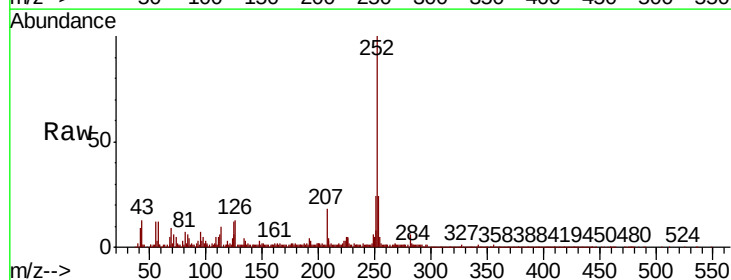
RT: 22.91 min Scan# 3430

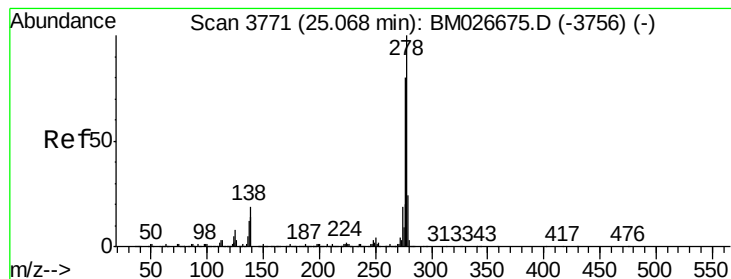
Delta R.T. -0.02 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

Tgt Ion:252	Resp:	482375
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.4 26.2
125	12.1	8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 2.749 ng

RT: 24.99 min Scan# 3783

Delta R.T. -0.03 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

Instrument :

BNA_M

ClientSampleId :

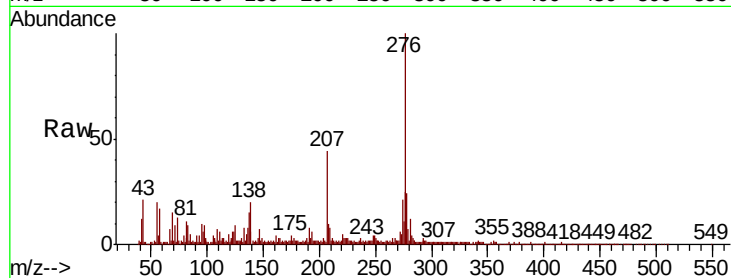
Tot Ion:278 Resp: 81193

Ion Ratio Lower Upper

278 100

139 26.3 11.2 16.8#

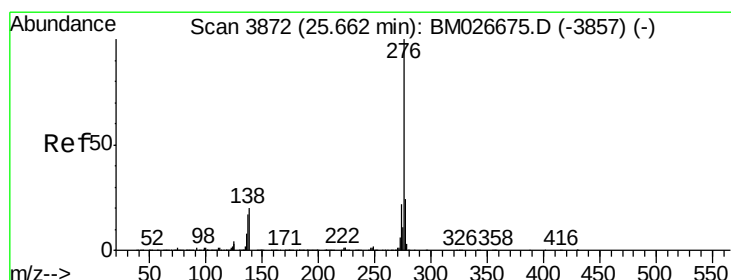
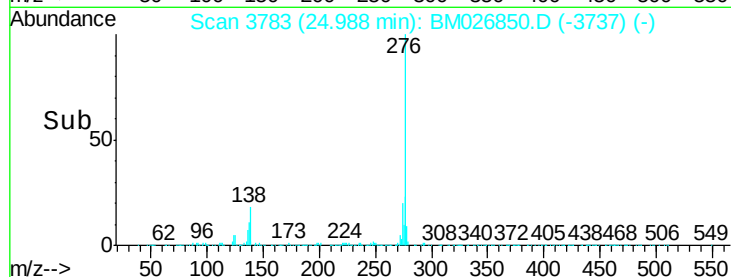
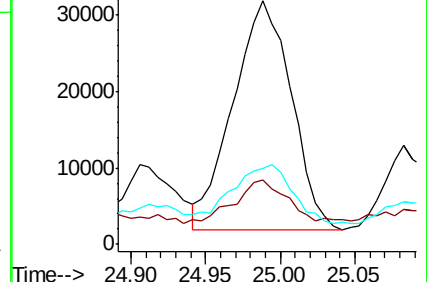
279 31.0 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 11.119 ng

RT: 25.59 min Scan# 3886

Delta R.T. -0.02 min

Lab File: BM026850.D

Acq: 23 Jul 2020 14:28

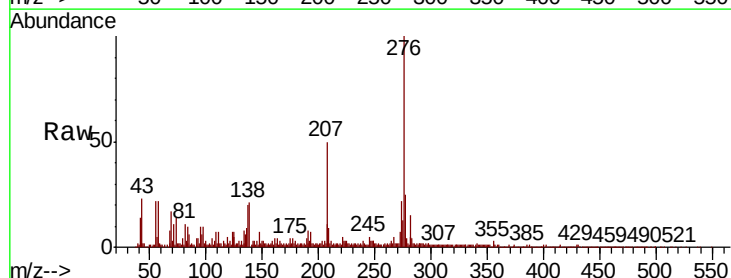
Tgt Ion:276 Resp: 302619

Ion Ratio Lower Upper

276 100

277 25.5 19.1 28.7

138 21.4 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

