

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
 Data File : BM020206.D
 Acq On : 08 May 2019 21:59
 Operator : JU/SJ
 Sample : K2729-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-4

Quant Time: May 09 02:09:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	156311	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	548486	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	324235	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	748299	20.00	ng	0.00
76) Chrysene-d12	21.37	240	782987	20.00	ng	0.00
87) Perylene-d12	23.66	264	931261	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	543881	56.88	ng	0.00
7) Phenol-d6	6.95	99	730047	55.88	ng	0.00
23) Nitrobenzene-d5	8.95	82	514176	37.01	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	272455	54.14	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	818177	31.05	ng	-0.01
79) Terphenyl-d14	19.80	244	1250514	27.86	ng	0.00

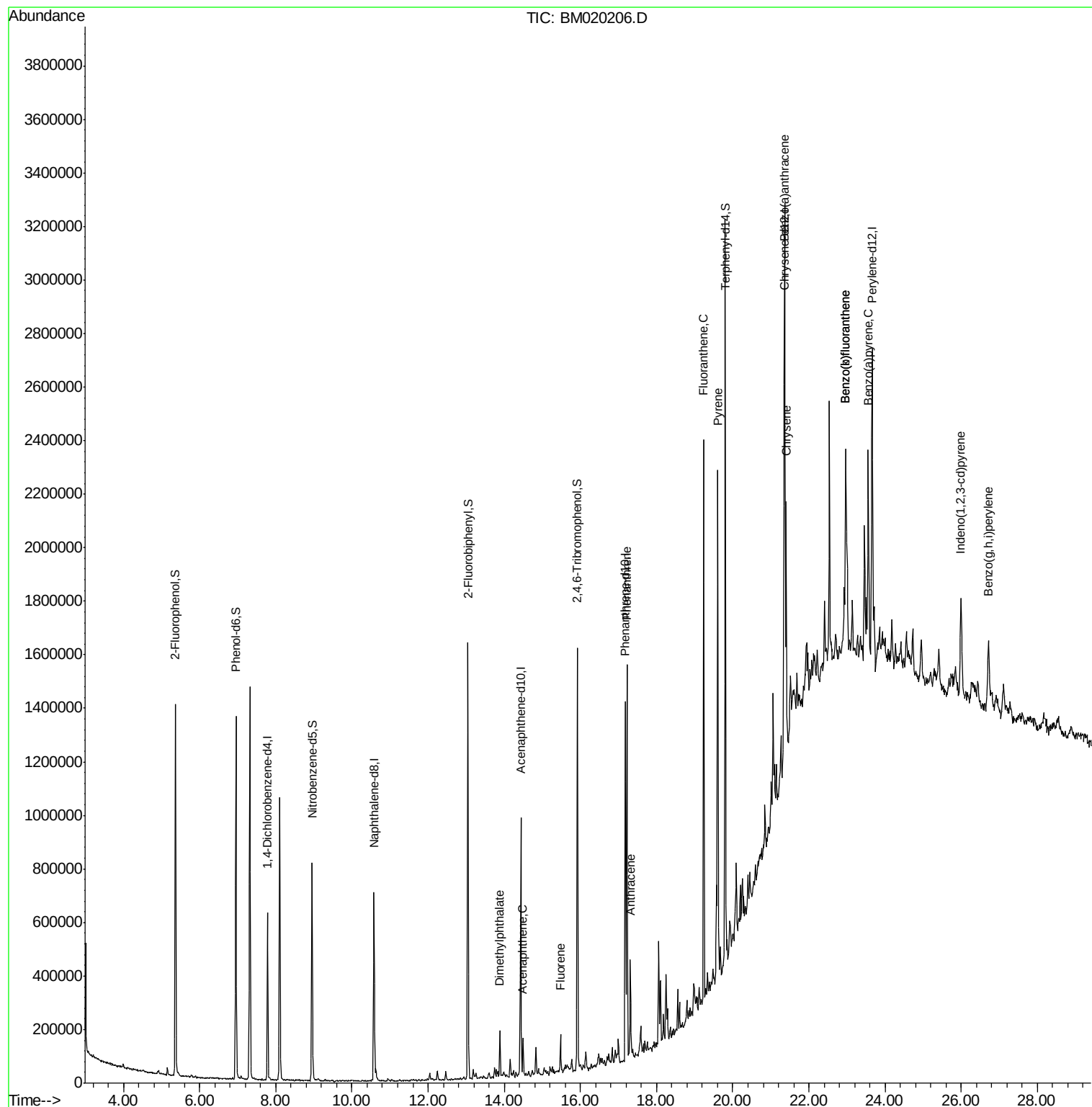
Target Compounds				Qvalue		
50) Dimethylphthalate	13.89	163	92008	3.339	ng	99
52) Acenaphthene	14.49	154	44421	2.272	ng	95
58) Fluorene	15.48	166	59154	2.184	ng	96
71) Phenanthrene	17.22	178	856143	20.726	ng	99
72) Anthracene	17.31	178	217114	5.257	ng	99
75) Fluoranthene	19.24	202	1201762	22.994	ng	100
78) Pyrene	19.60	202	1130784	21.510	ng	99
81) Benzo(a)anthracene	21.35	228	598865	10.906	ng	97
83) Chrysene	21.40	228	526036	9.878	ng	97
86) Indeno(1,2,3-cd)pyrene	25.99	276	359310	5.672	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	949249	15.436	ng	# 94
89) Benzo(k)fluoranthene	22.97	252	943867	16.826	ng	# 95
90) Benzo(a)pyrene	23.56	252	557333	9.978	ng	# 94
92) Benzo(g,h,i)perylene	26.72	276	364160	6.603	ng	94

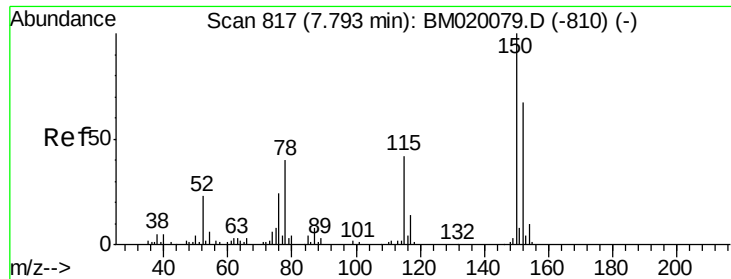
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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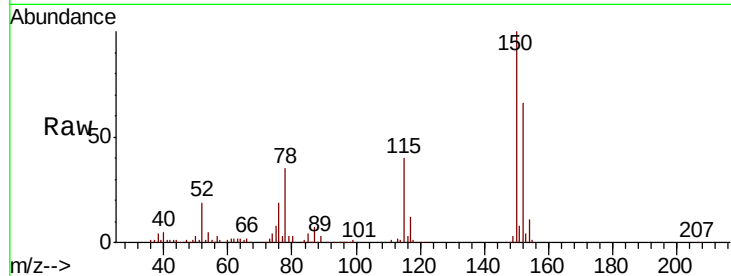


#1

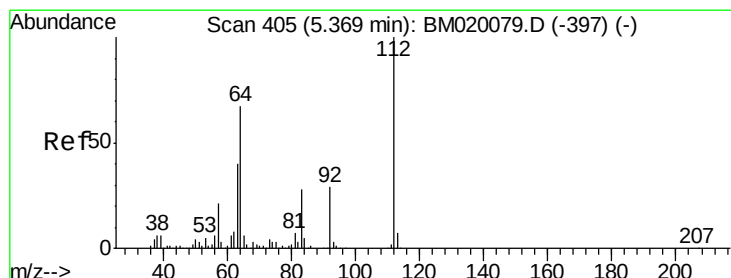
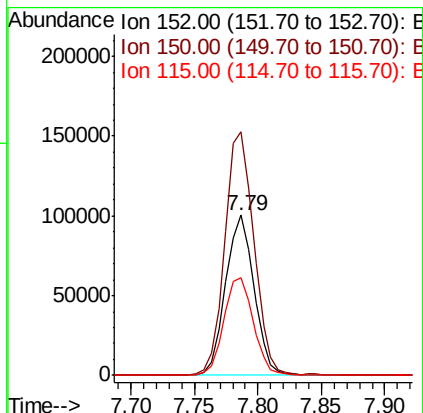
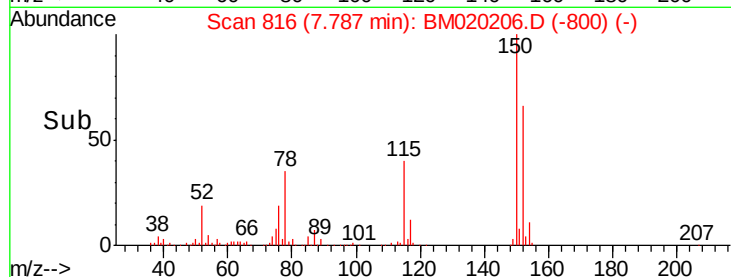
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampled :
B-4

Tgt Ion:152 Resp: 156311
Ion Ratio Lower Upper
152 100
150 152.0 119.8 179.8
115 60.9 50.8 76.2



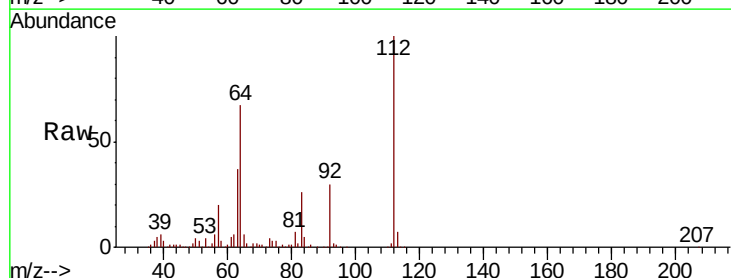
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



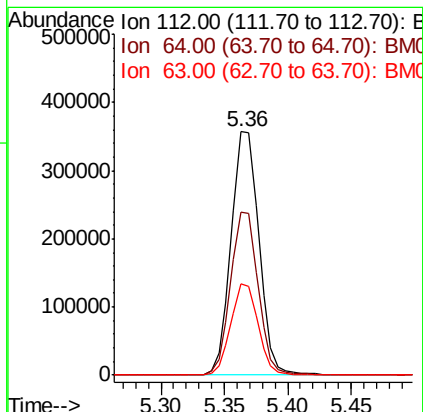
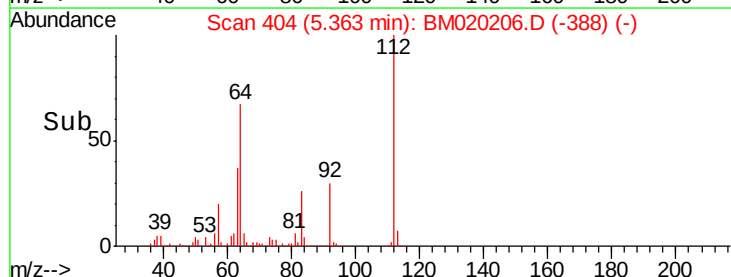
#5

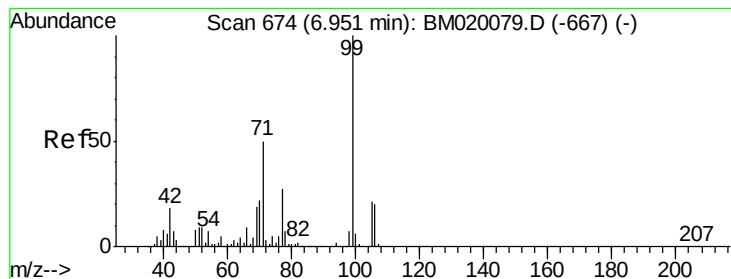
2-Fluorophenol
Concen: 56.875 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion:112 Resp: 543881
Ion Ratio Lower Upper
112 100
64 67.0 53.8 80.6
63 37.3 32.3 48.5



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: 55.882 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

ClientSampleId :

B-4

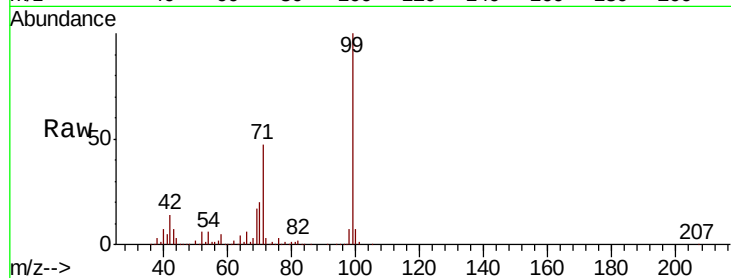
Tgt Ion: 99 Resp: 730047

Ion Ratio Lower Upper

99 100

42 14.3 14.2 21.2

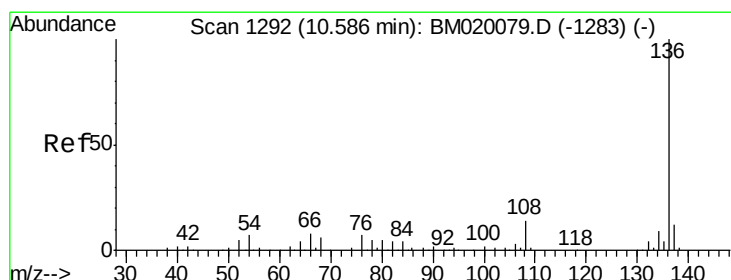
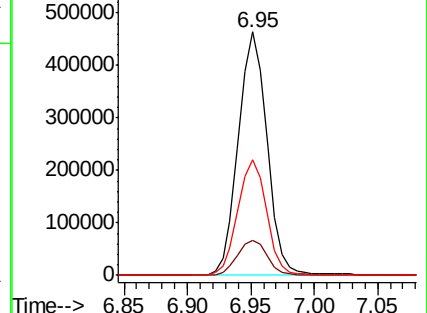
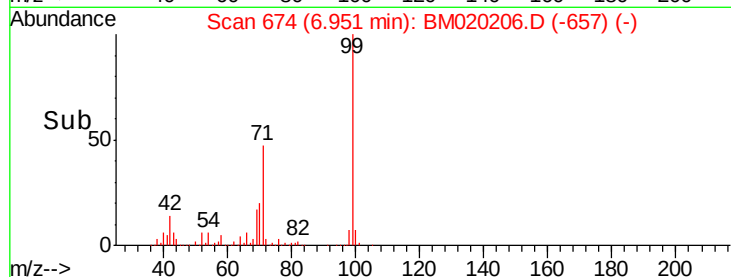
71 47.3 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Tgt Ion: 136 Resp: 548486

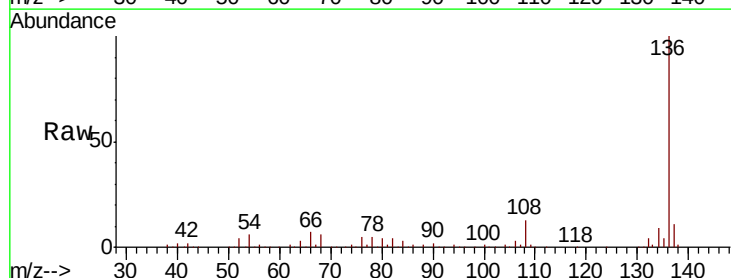
Ion Ratio Lower Upper

136 100

137 10.8 9.6 14.4

54 6.1 5.5 8.3

68 6.3 4.6 6.8

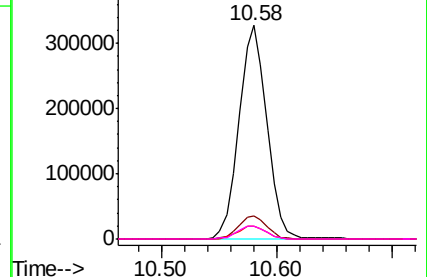
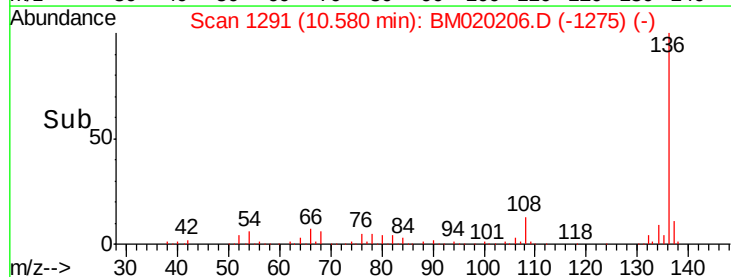


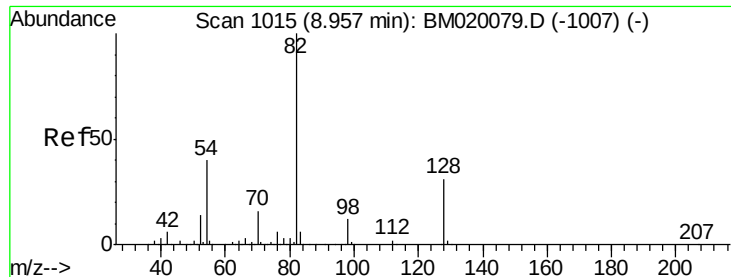
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

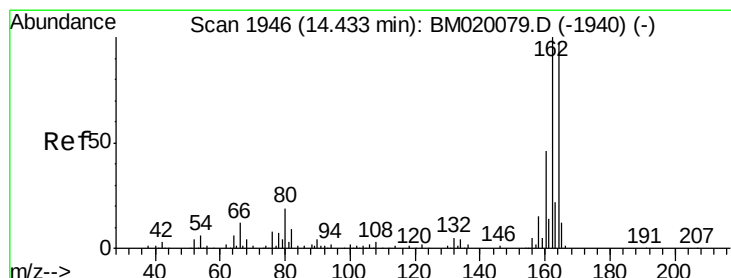
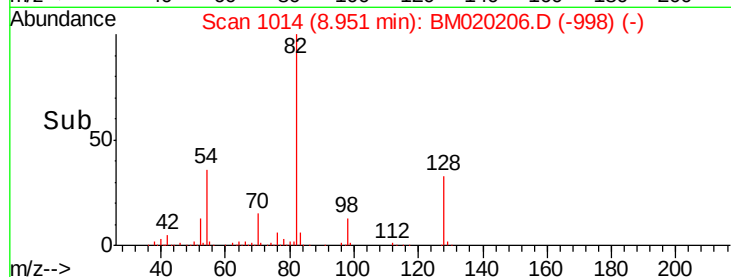
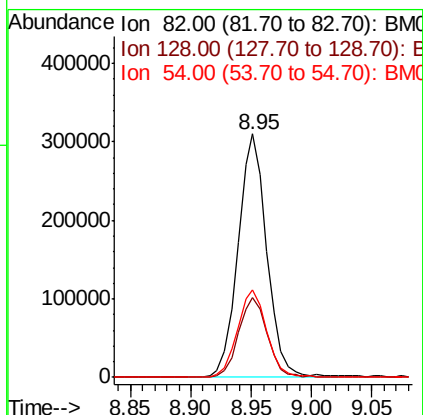
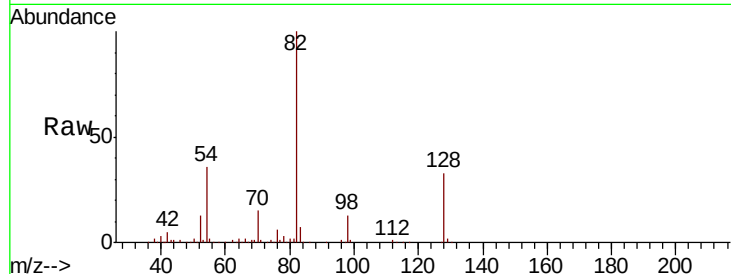




#23
 Nitrobenzene-d5
 Concen: 37.010 ng
 RT: 8.95 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BM020206.D
 Acq: 08 May 2019 21:59

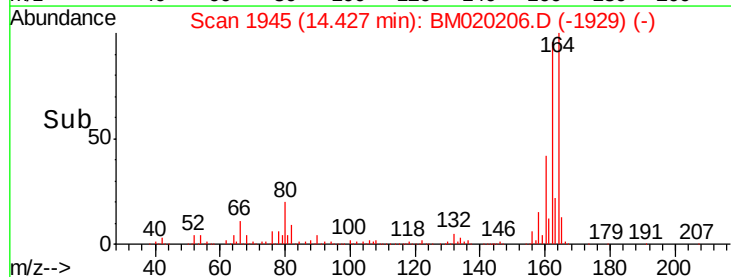
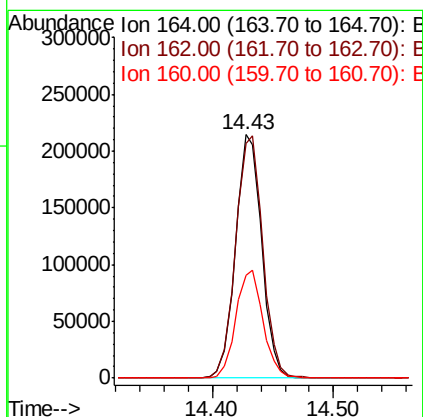
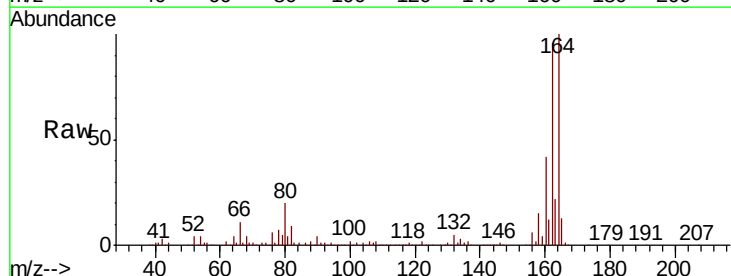
Instrument :
 BNA_M
 ClientSampleId :
 B-4

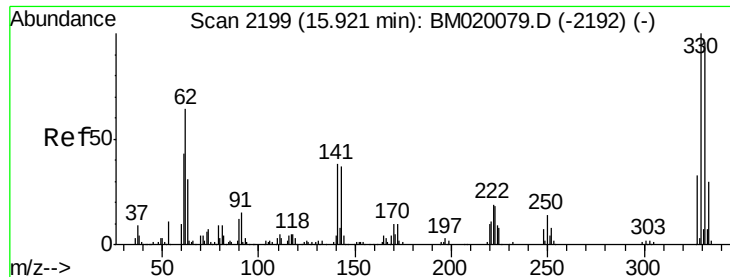
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.0	25.2	37.8
54	36.1	31.9	47.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.43 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BM020206.D
 Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.3	82.2	123.2
160	42.4	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 54.137 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

ClientSampled :

B-4

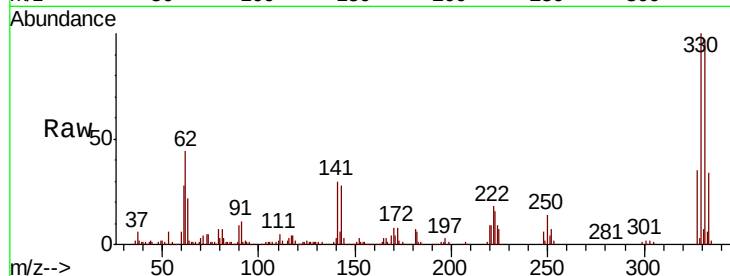
Tgt Ion:330 Resp: 272455

Ion Ratio Lower Upper

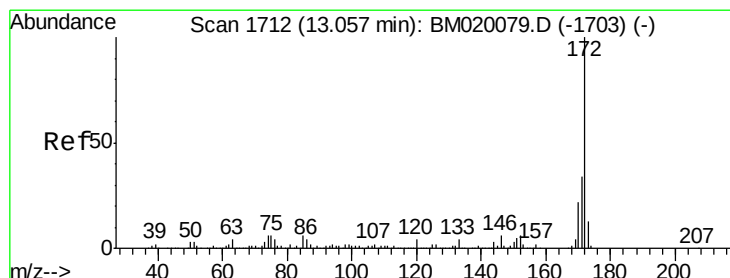
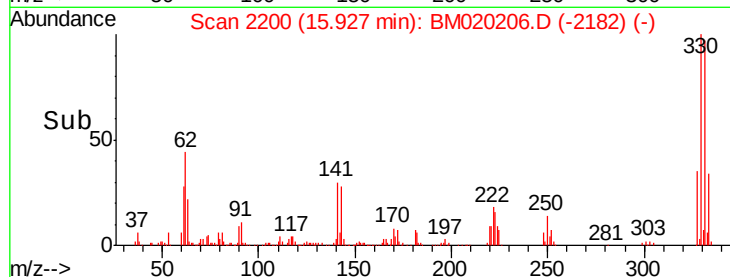
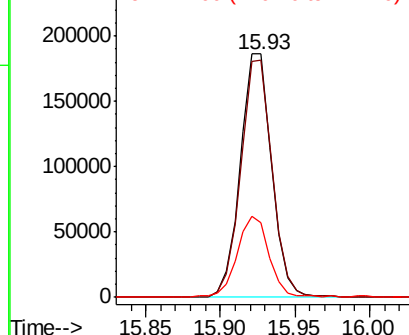
330 100

332 97.3 76.8 115.2

141 33.0 29.2 43.8



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: 31.047 ng

RT: 13.05 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

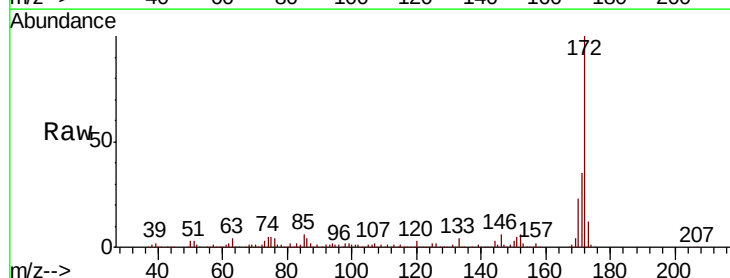
Tgt Ion:172 Resp: 818177

Ion Ratio Lower Upper

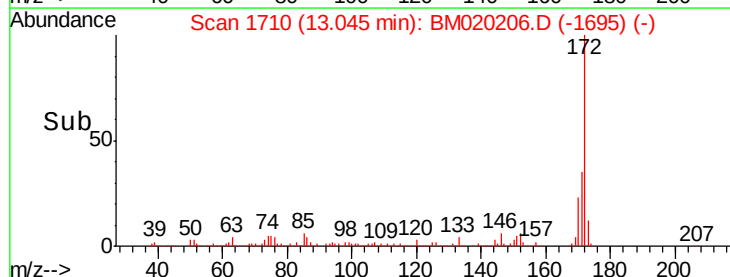
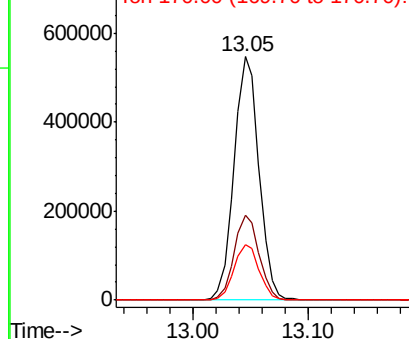
172 100

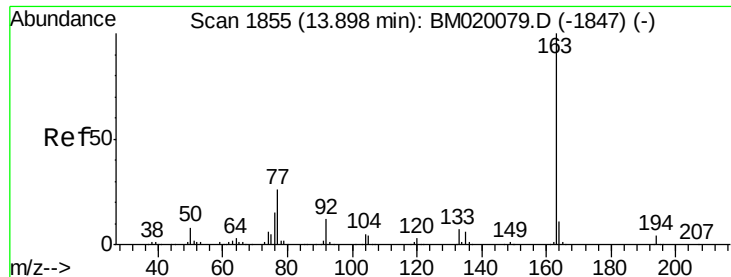
171 34.8 27.3 40.9

170 22.6 17.9 26.9



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: 3.339 ng

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

ClientSampleId :

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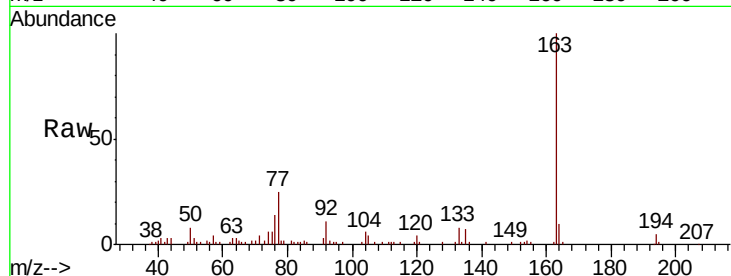
Tgt Ion:163 Resp: 92008

Ion Ratio Lower Upper

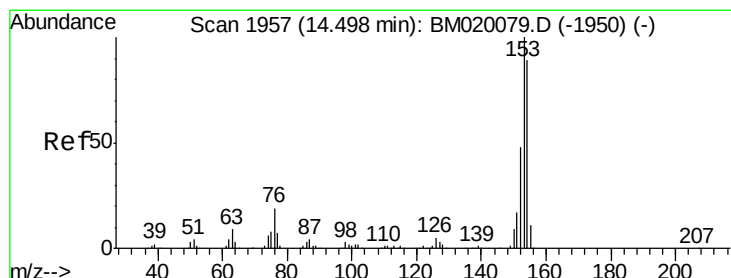
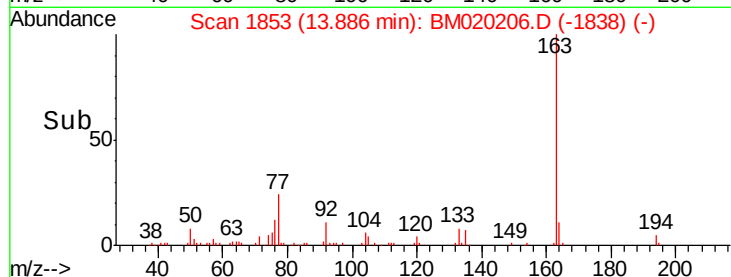
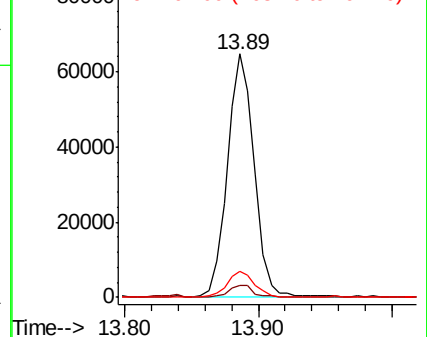
163 100

194 5.1 3.6 5.4

164 10.5 8.4 12.6



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



#52

Acenaphthene

Concen: 2.272 ng

RT: 14.49 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

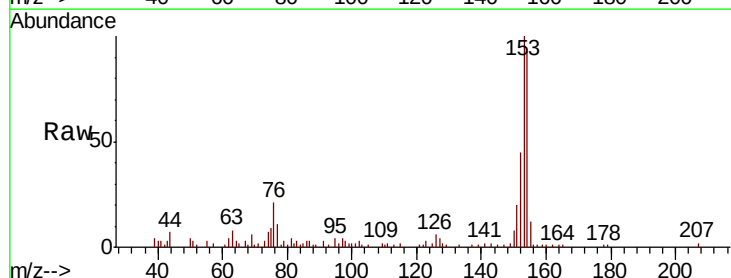
Tgt Ion:154 Resp: 44421

Ion Ratio Lower Upper

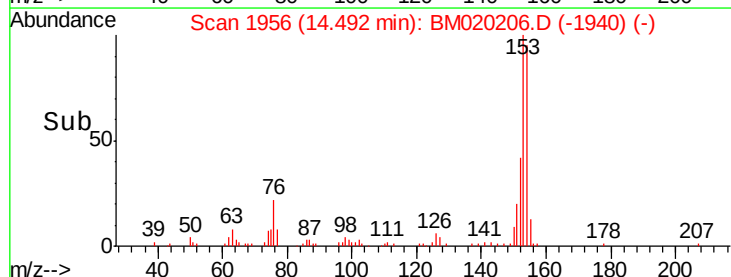
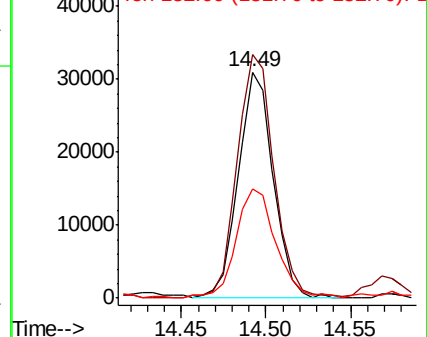
154 100

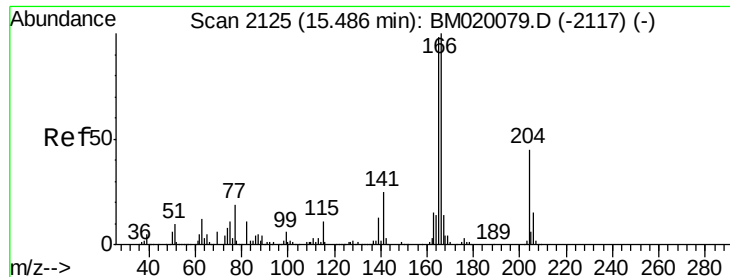
153 107.7 90.2 135.2

152 48.6 43.0 64.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#58

Fluorene

Concen: 2.184 ng

RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

ClientSampled :

B-4

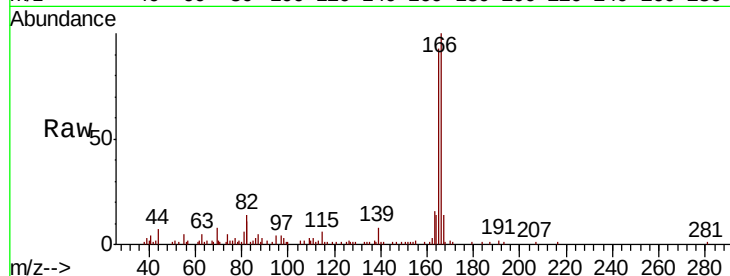
Tgt Ion:166 Resp: 59154

Ion Ratio Lower Upper

166 100

165 93.1 78.2 117.2

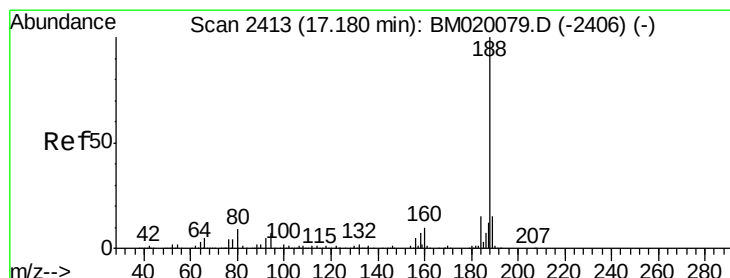
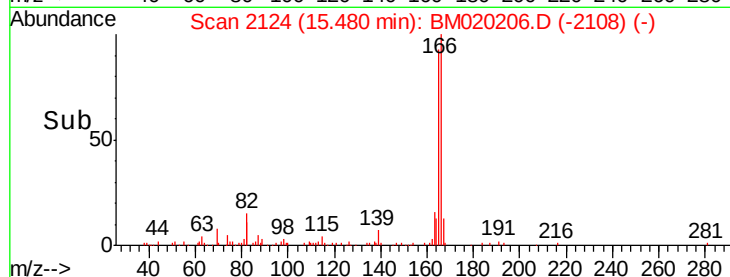
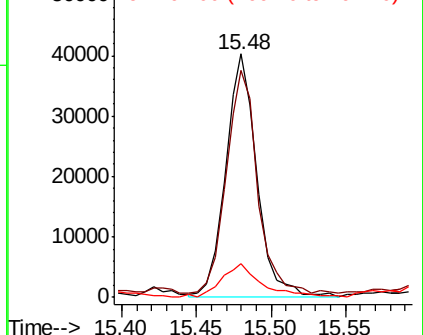
167 13.8 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

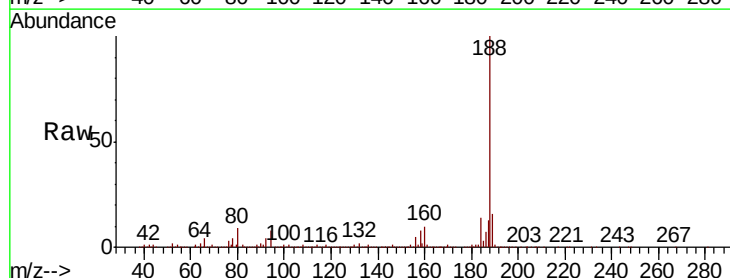
Tgt Ion:188 Resp: 748299

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

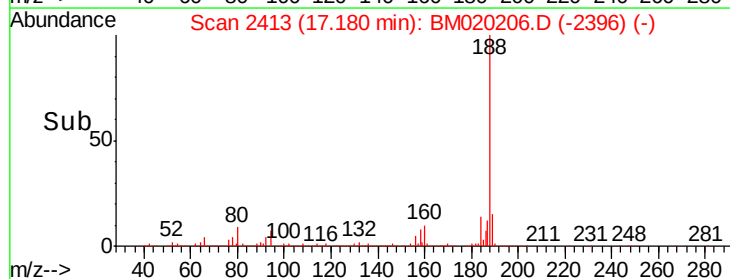
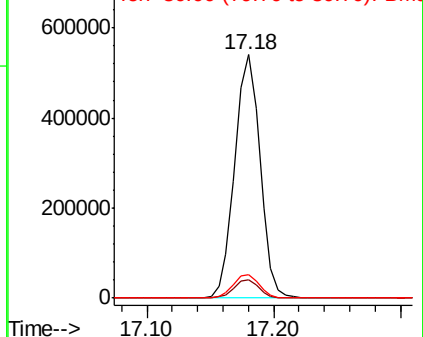
80 9.4 7.4 11.2

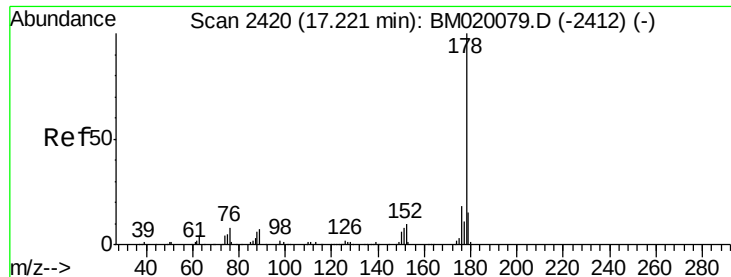


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

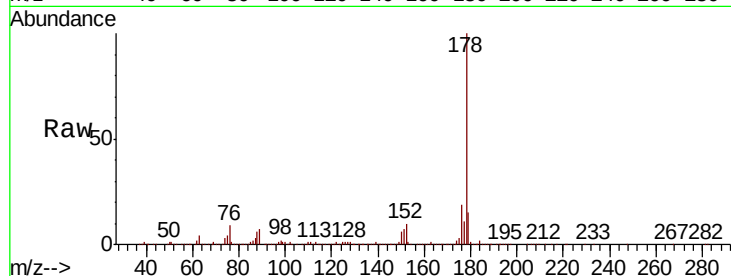




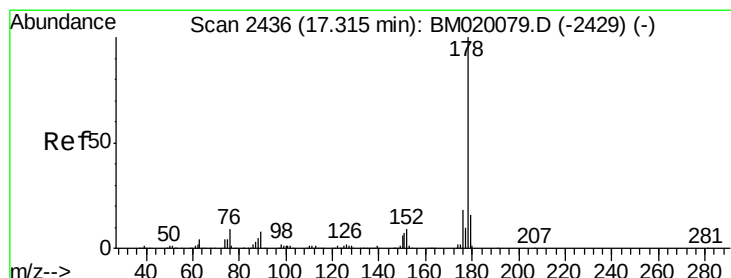
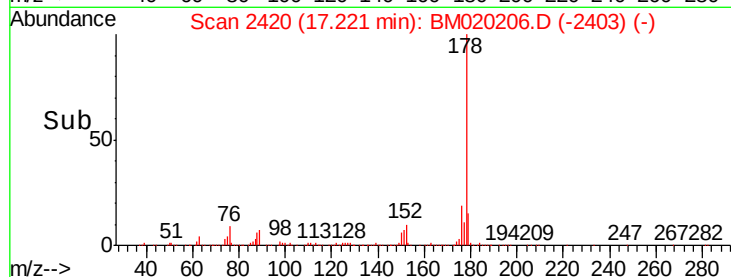
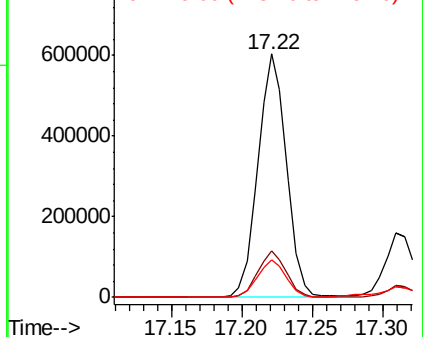
#71
Phenanthrene
Concen: 20.726 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampleId :
B-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	15.4	12.4	18.6

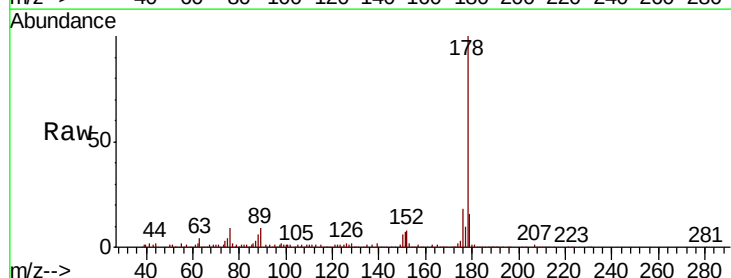


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

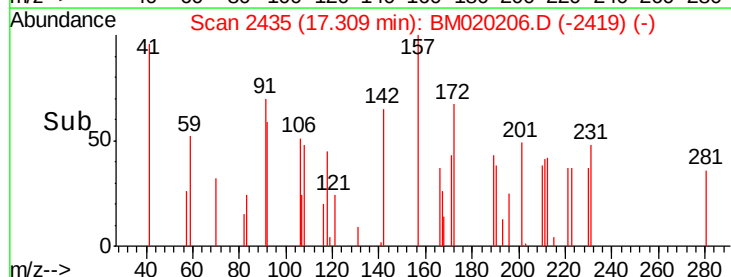
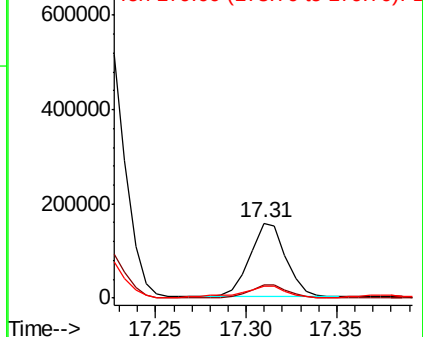


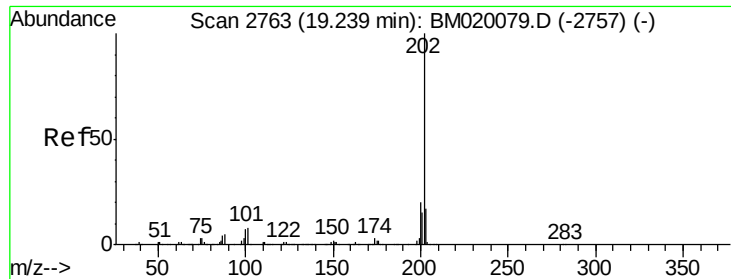
#72
Anthracene
Concen: 5.257 ng
RT: 17.31 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	22.0
179	15.9	12.4	18.6



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: 22.994 ng

RT: 19.24 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

ClientSampleId :

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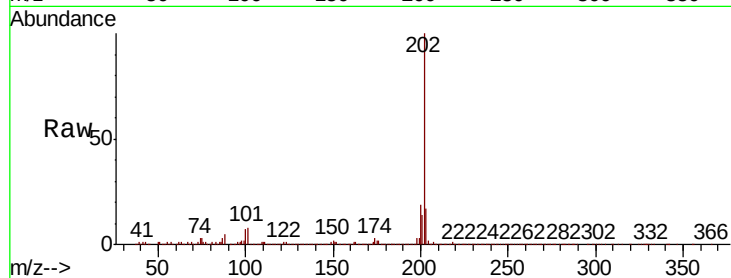
Tgt Ion:202 Resp: 1201762

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.4

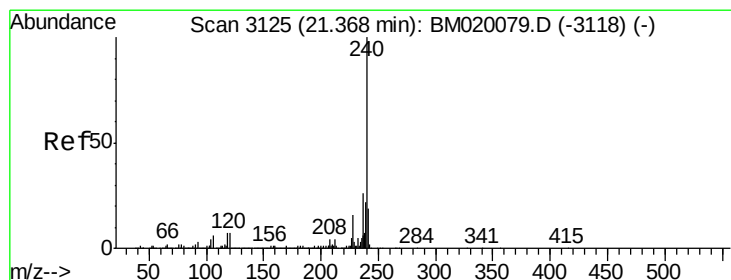
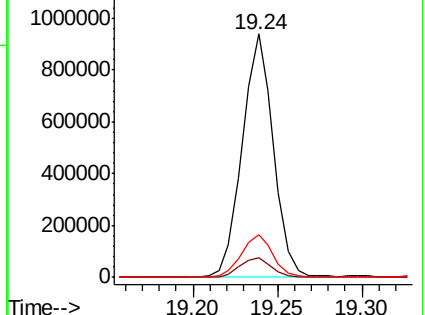
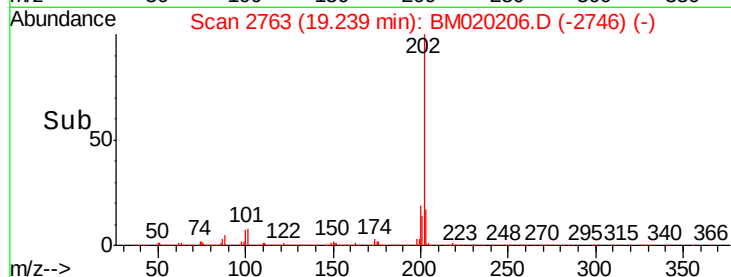
203 17.4 0.0 37.4



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: 21.37 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

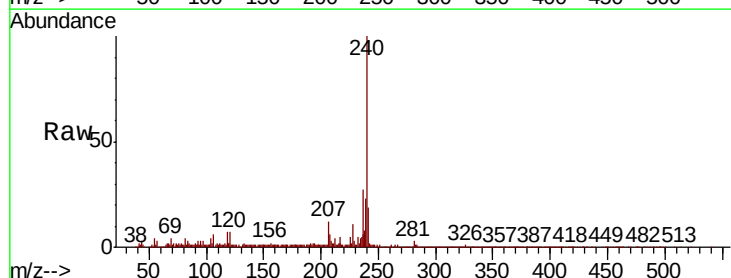
Tgt Ion:240 Resp: 782987

Ion Ratio Lower Upper

240 100

120 7.2 5.6 8.4

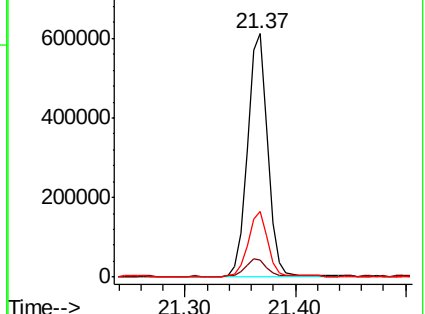
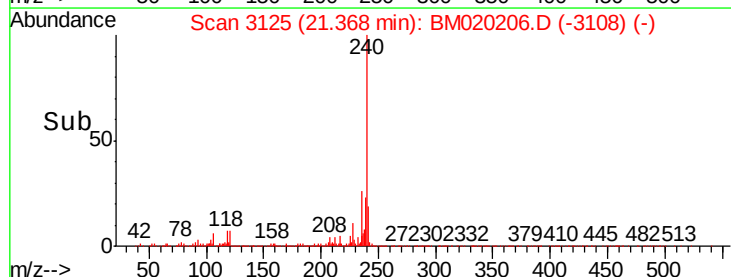
236 26.8 20.9 31.3

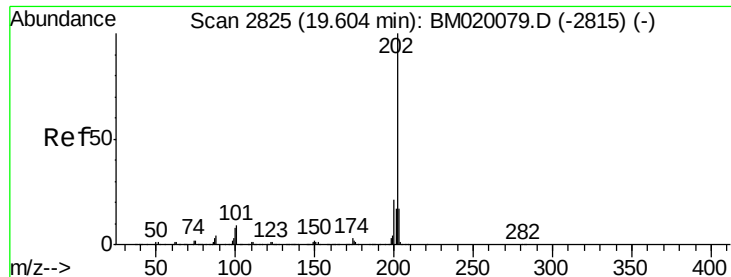


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 21.510 ng

RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

ClientSampleId :

B-4

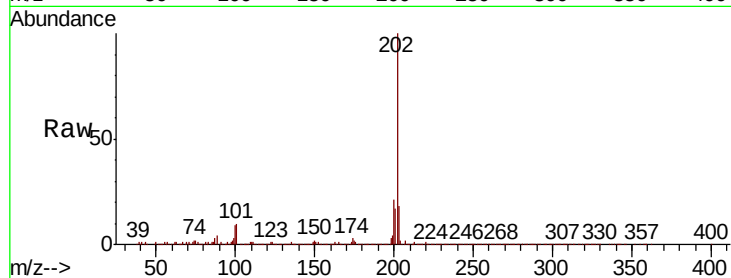
Tgt Ion:202 Resp: 1130784

Ion Ratio Lower Upper

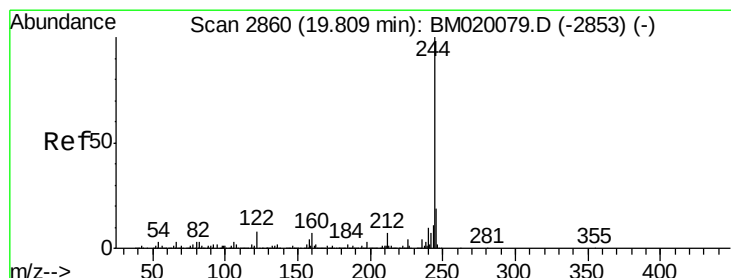
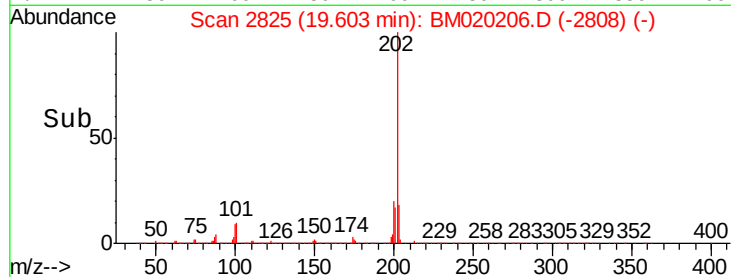
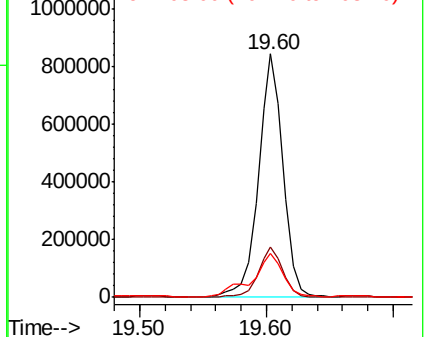
202 100

200 20.5 16.5 24.7

203 18.1 13.9 20.9



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: 27.857 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

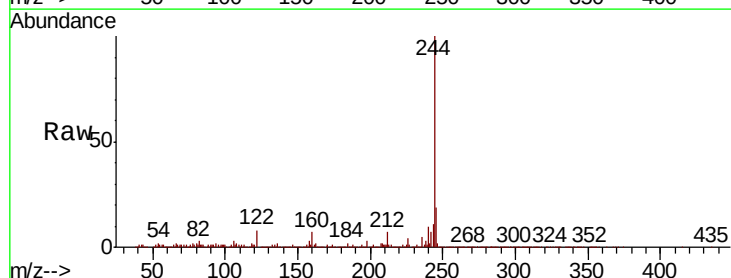
Tgt Ion:244 Resp: 1250514

Ion Ratio Lower Upper

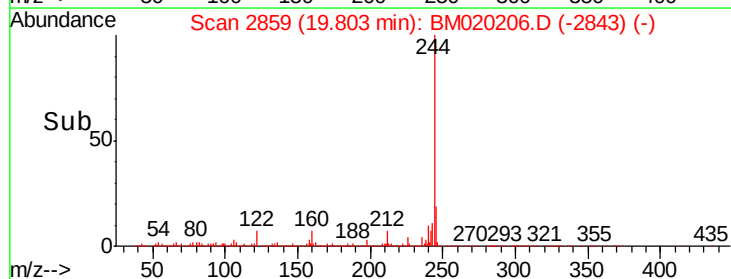
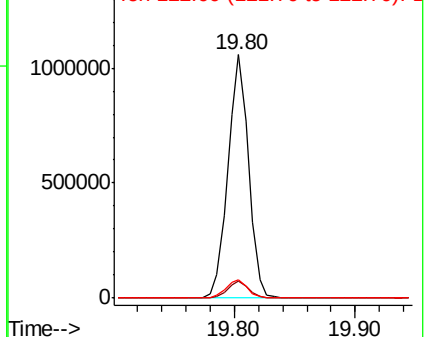
244 100

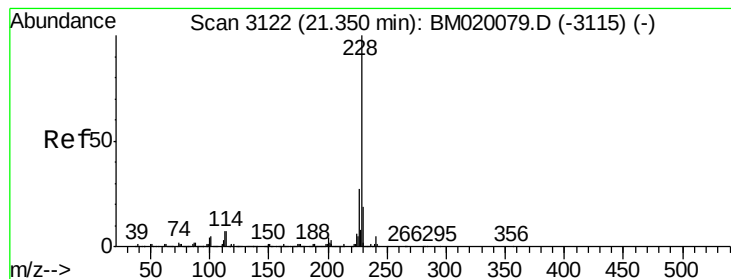
212 7.0 5.7 8.5

122 7.6 6.2 9.2



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: 10.906 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

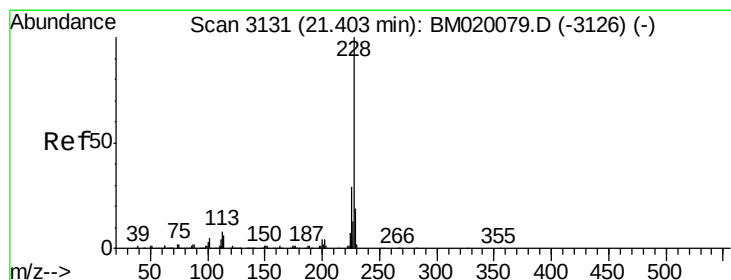
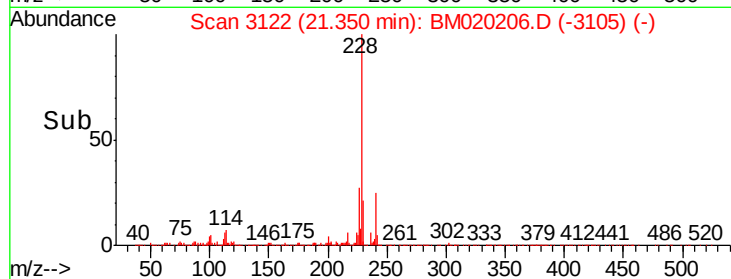
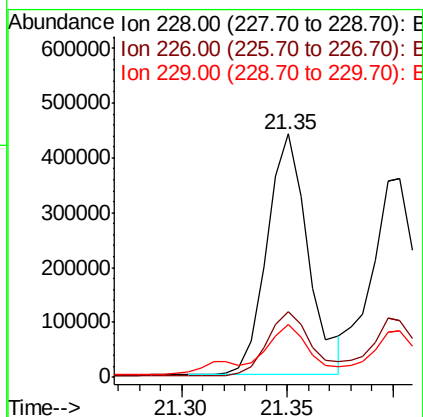
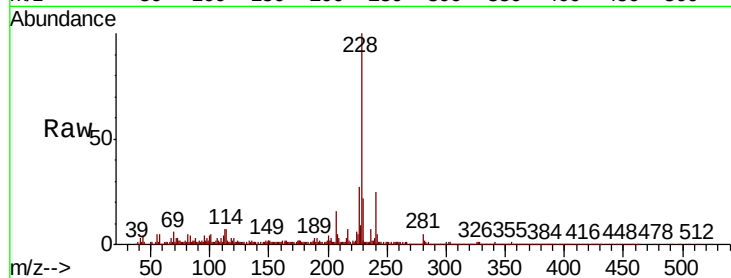
Instrument :

BNA_M

ClientSampled :

B-4

Tgt Ion:	228	Resp:	598865
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	21.6	15.5	23.3



#83

Chrysene

Concen: 9.878 ng

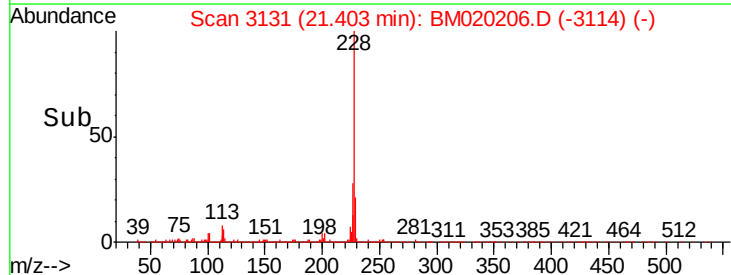
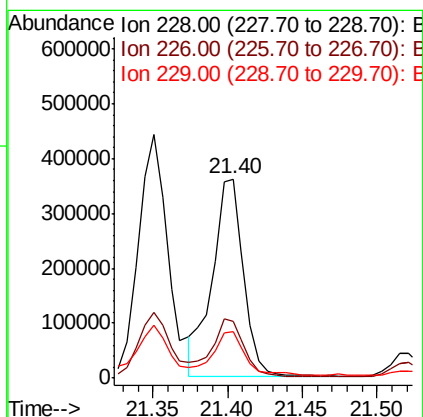
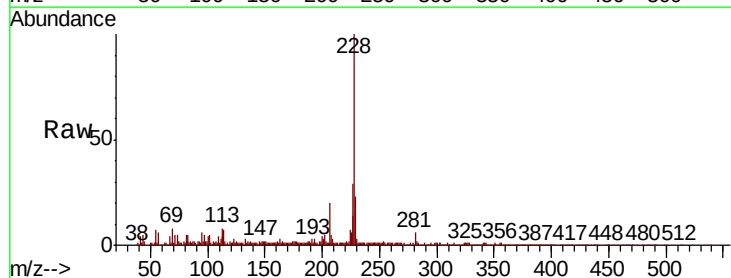
RT: 21.40 min Scan# 3131

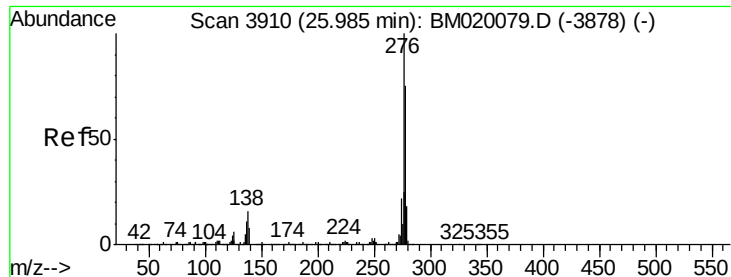
Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Tgt Ion:	228	Resp:	526036
Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.0	34.6
229	23.1	15.5	23.3

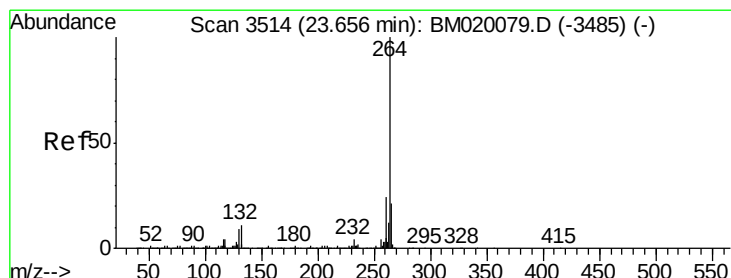
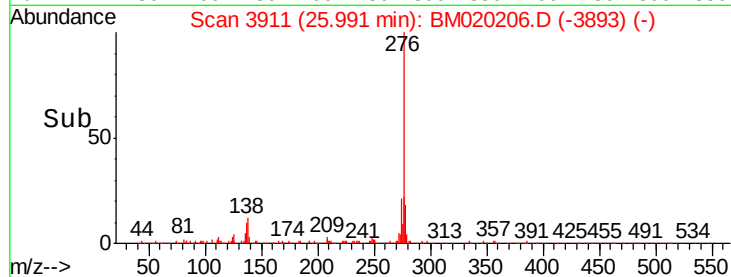
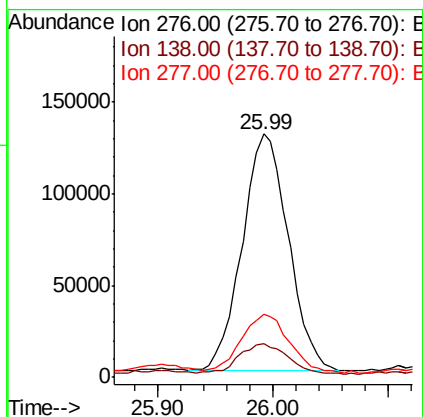
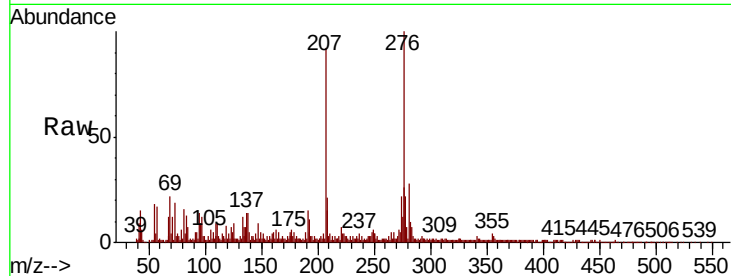




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.672 ng
 RT: 25.99 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: BM020206.D
 Acq: 08 May 2019 21:59

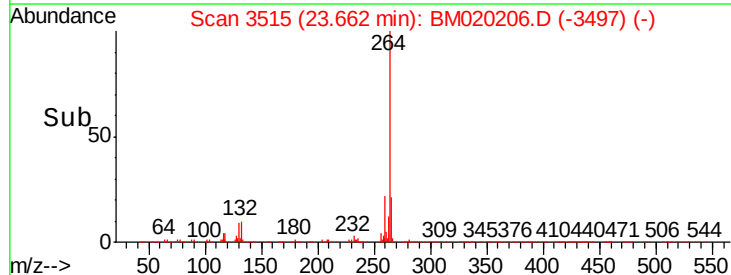
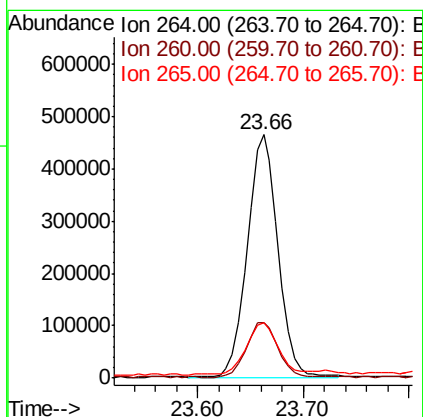
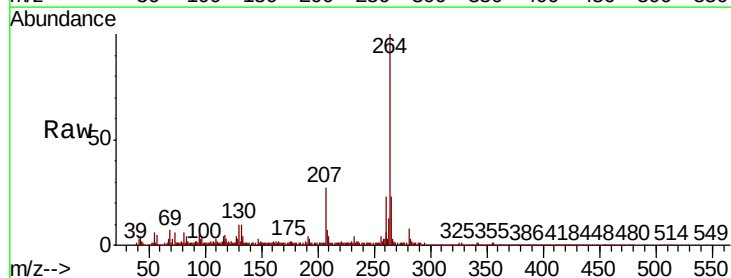
Instrument :
 BNA_M
 ClientSampleId :
 B-4

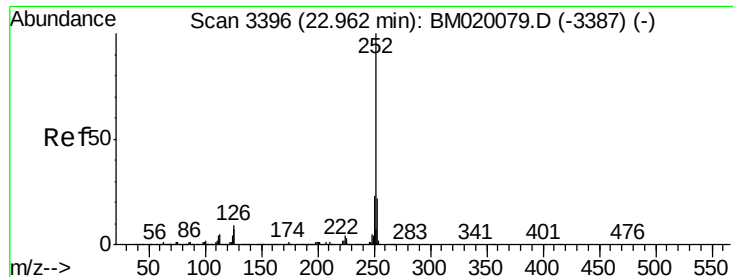
Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.4	0.0	0.0#
277	25.7	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.66 min Scan# 3515
 Delta R.T. 0.01 min
 Lab File: BM020206.D
 Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.6	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 15.436 ng

RT: 22.97 min Scan# 3397

Delta R.T. 0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

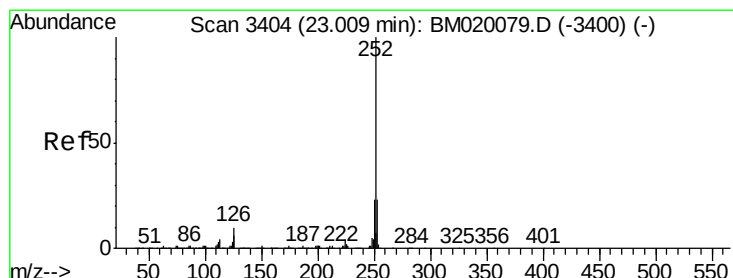
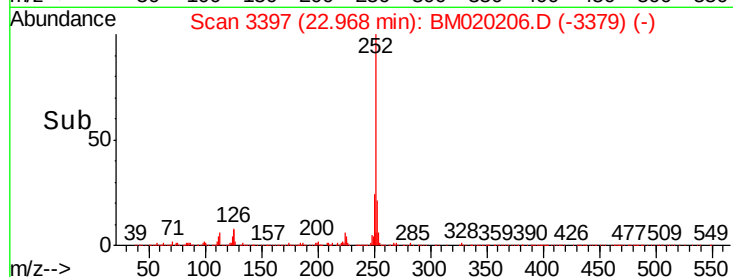
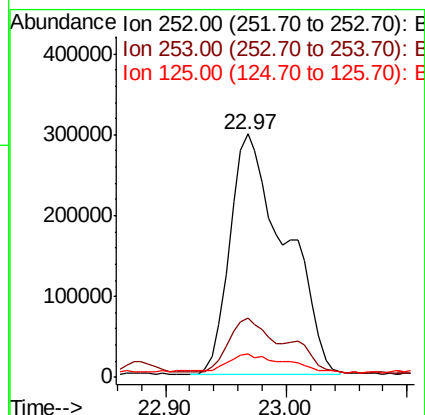
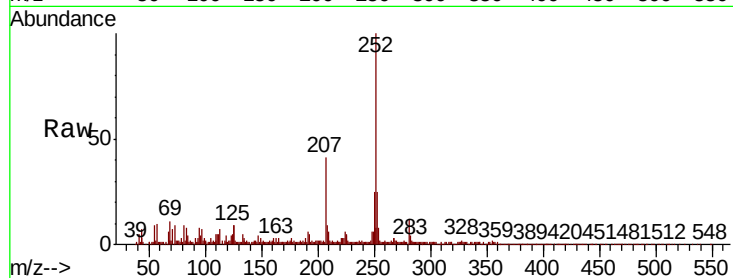
Instrument :

BNA_M

ClientSampleId :

B-4

Tgt Ion:	252	Resp:	949249
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.5	26.3
125	9.5	5.4	8.2#



#89

Benzo(k)fluoranthene

Concen: 16.826 ng

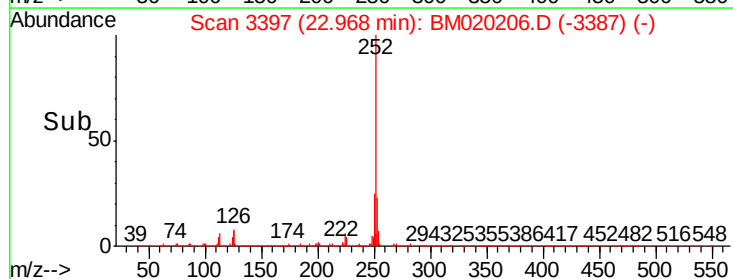
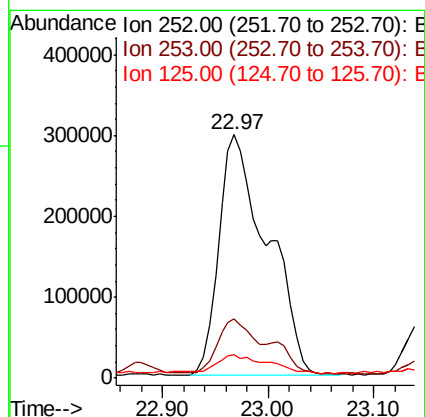
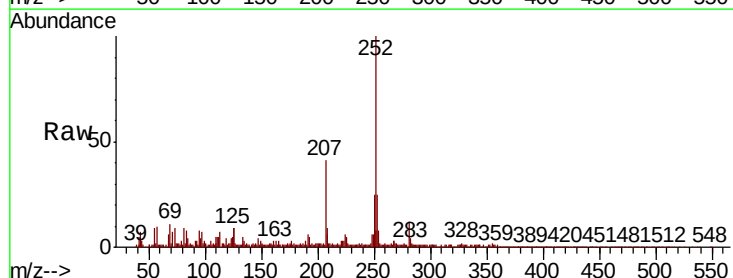
RT: 22.97 min Scan# 3397

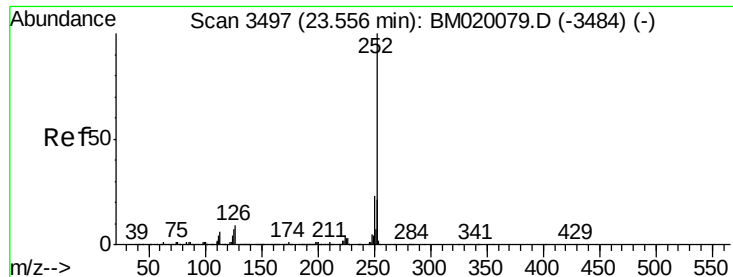
Delta R.T. -0.04 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Tgt Ion:	252	Resp:	943867
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.8
125	9.5	5.4	8.0#





#90

Benzo(a)pyrene

Concen: 9.978 ng

RT: 23.56 min Scan# 3497

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

ClientSampleId :

B-4

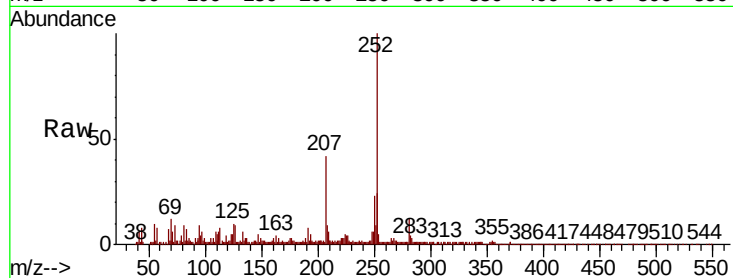
Tgt Ion:252 Resp: 557333

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

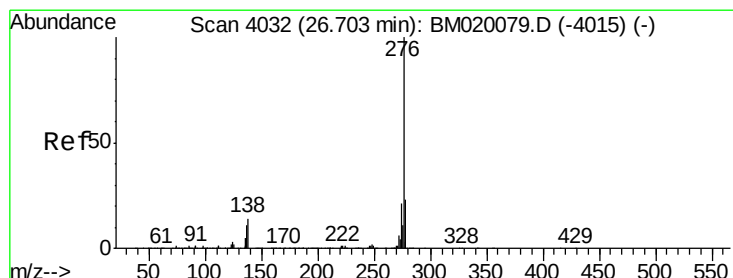
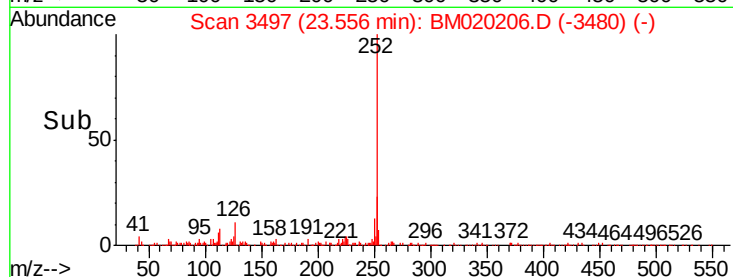
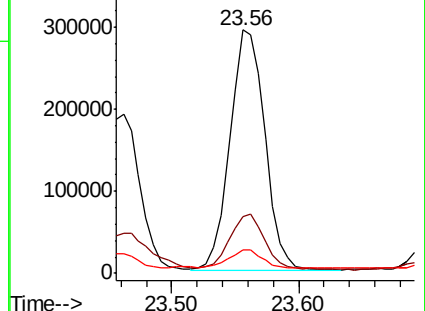
125 9.6 5.5 8.3#



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



#92

Benzo(g,h,i)perylene

Concen: 6.603 ng

RT: 26.72 min Scan# 4035

Delta R.T. 0.02 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

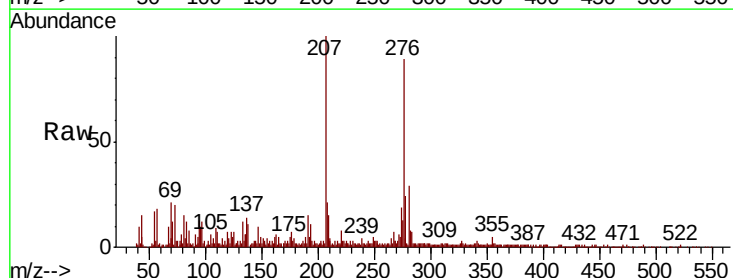
Tgt Ion:276 Resp: 364160

Ion Ratio Lower Upper

276 100

277 27.1 18.4 27.6

138 12.9 11.1 16.7



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

