

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
 Data File : BM020186.D
 Acq On : 08 May 2019 04:00
 Operator : JU/SJ
 Sample : K2672-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 08 05:43:10 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

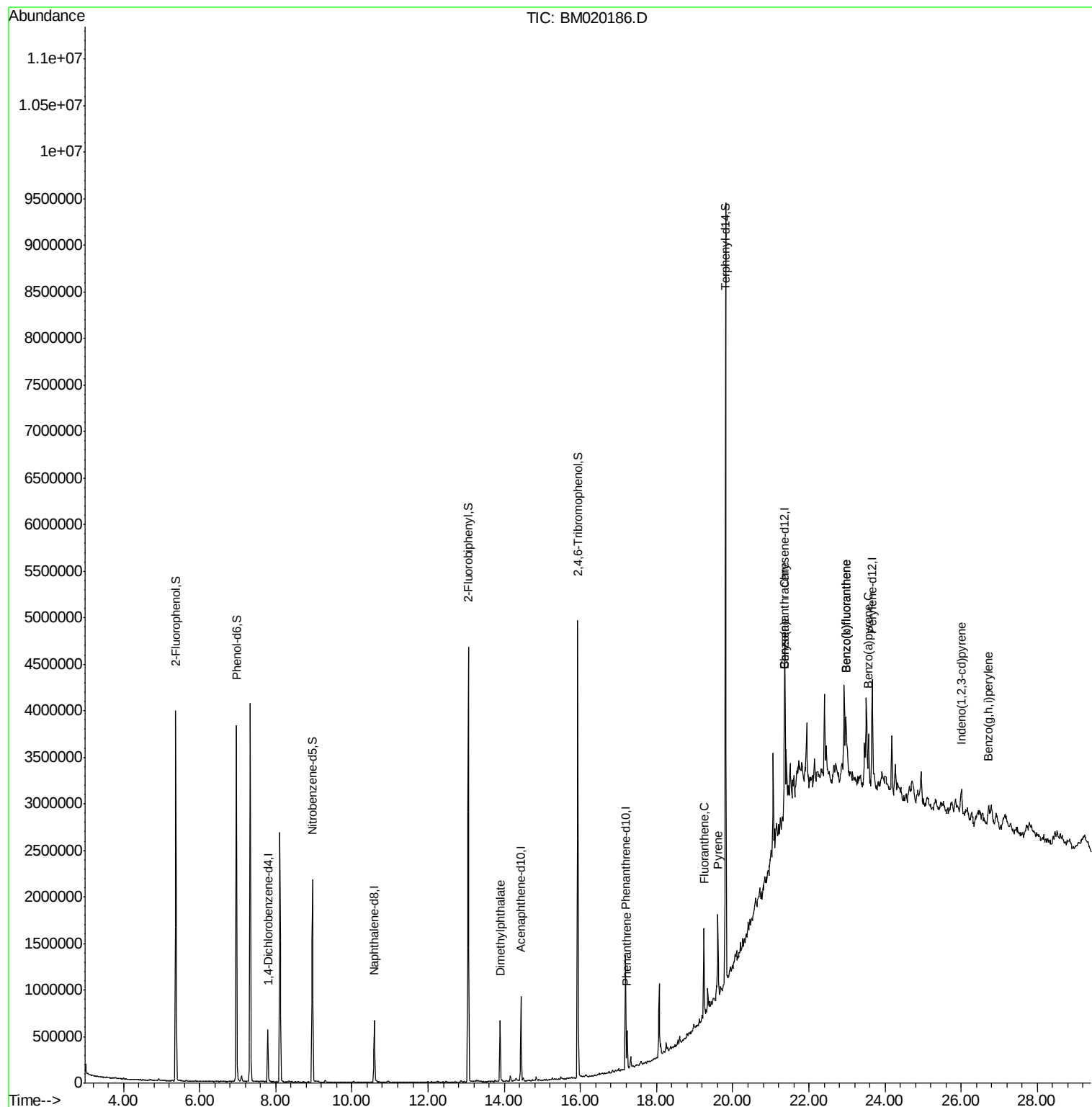
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	140423	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	485255	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	290740	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	680129	20.00	ng	0.00
76) Chrysene-d12	21.37	240	731646	20.00	ng	0.00
87) Perylene-d12	23.66	264	873623	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1482638	172.59	ng	0.00
7) Phenol-d6	6.97	99	2040920	173.90	ng	0.02
23) Nitrobenzene-d5	8.96	82	1369738	111.44	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	905929	200.75	ng	0.01
45) 2-Fluorobiphenyl	13.06	172	2320623	98.21	ng	0.00
79) Terphenyl-d14	19.81	244	3771016	89.90	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	13.89	163	394248	15.955	ng	99
71) Phenanthrene	17.23	178	232804	6.201	ng	99
75) Fluoranthene	19.24	202	527553	11.106	ng	98
78) Pyrene	19.61	202	502066	10.221	ng	98
81) Benzo(a)anthracene	21.35	228	324852	6.331	ng	92
83) Chrysene	21.35	228	310618	6.242	ng	95
86) Indeno(1,2,3-cd)pyrene	26.00	276	285576	4.825	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	666019	11.545	ng	# 88
89) Benzo(k)fluoranthene	22.97	252	667436	12.683	ng	# 88
90) Benzo(a)pyrene	23.56	252	381665	7.284	ng	# 87
92) Benzo(g,h,i)perylene	26.72	276	283841	5.486	ng	# 91

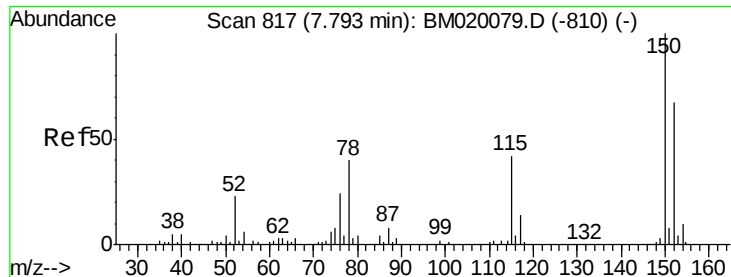
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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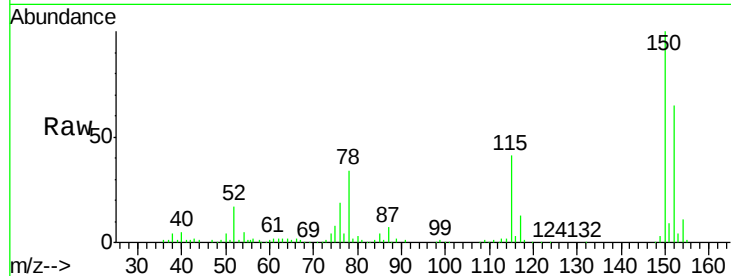


#1

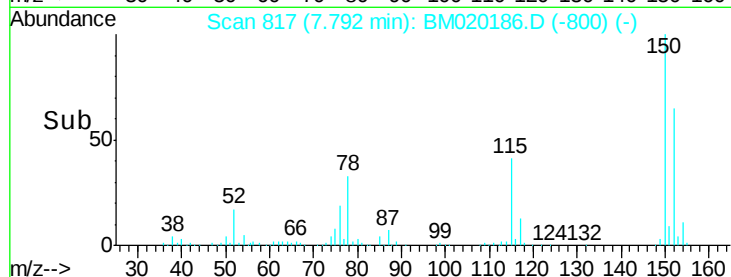
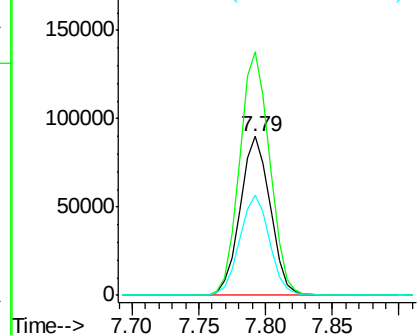
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 140423
Ion Ratio Lower Upper
152 100
150 153.3 119.8 179.8
115 63.0 50.8 76.2



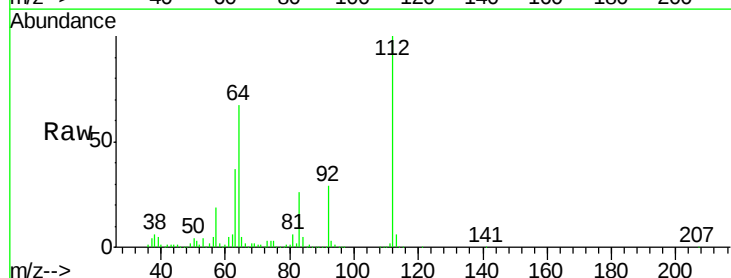
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



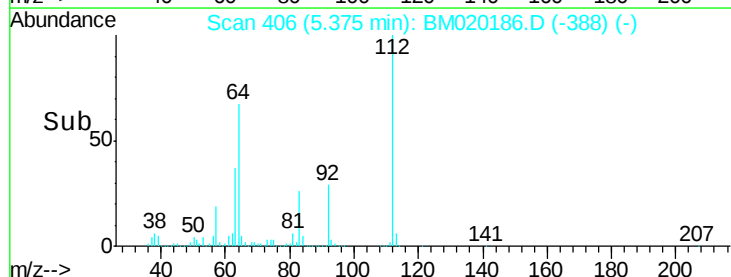
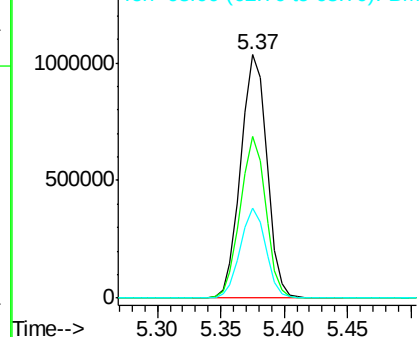
#5

2-Fluorophenol
Concen: 172.586 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

Tgt Ion:112 Resp: 1482638
Ion Ratio Lower Upper
112 100
64 66.6 53.8 80.6
63 36.7 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: 173.901 ng

RT: 6.97 min Scan# 677

Delta R.T. 0.02 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

Instrument :

BNA_M

ClientSampleId :

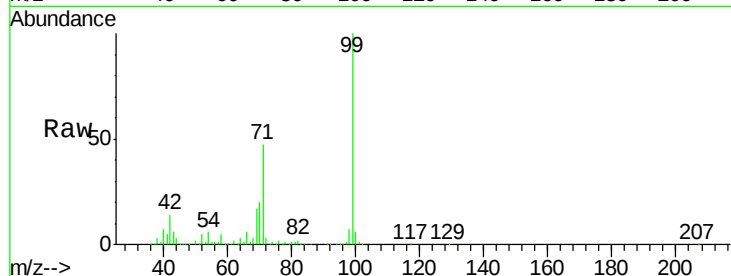
Tot Ion: 99 Resp: 2040920

Ion Ratio Lower Upper

99 100

42 14.2 14.2 21.2

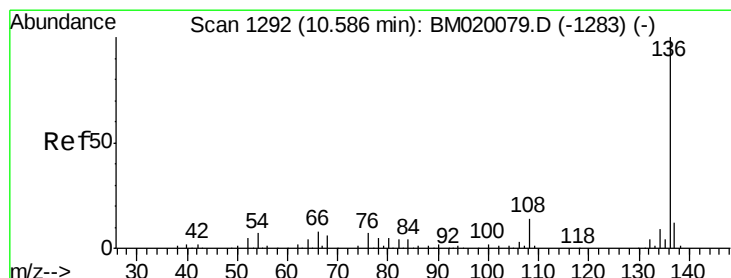
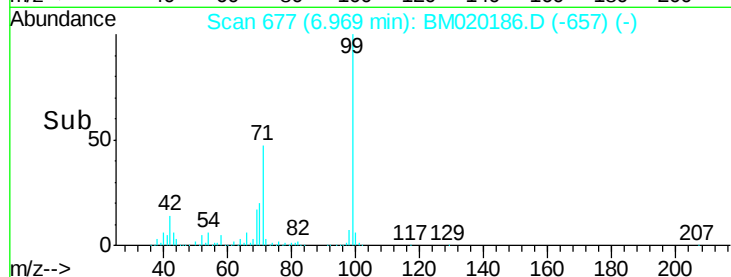
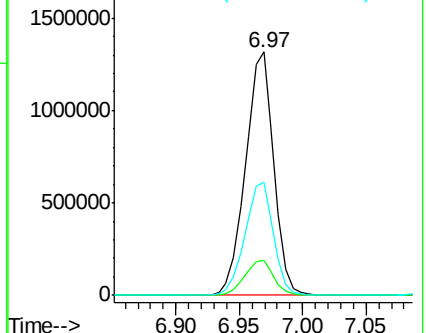
71 46.6 40.3 60.5



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: 10.59 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

Tgt Ion: 136 Resp: 485255

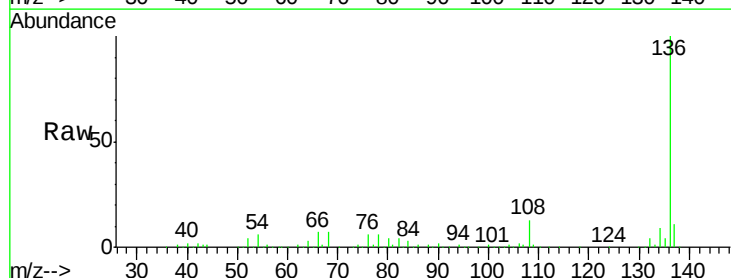
Ion Ratio Lower Upper

136 100

137 10.9 9.6 14.4

54 5.9 5.5 8.3

68 7.0 4.6 6.8#

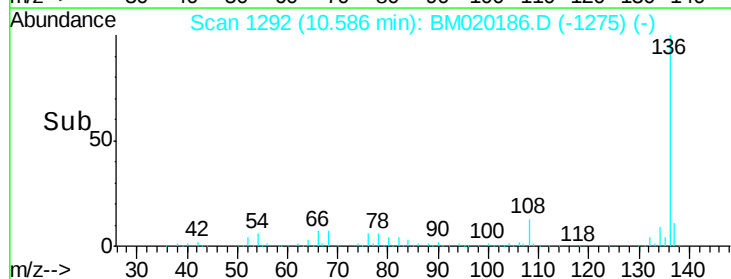
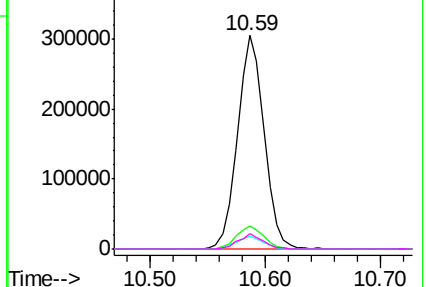


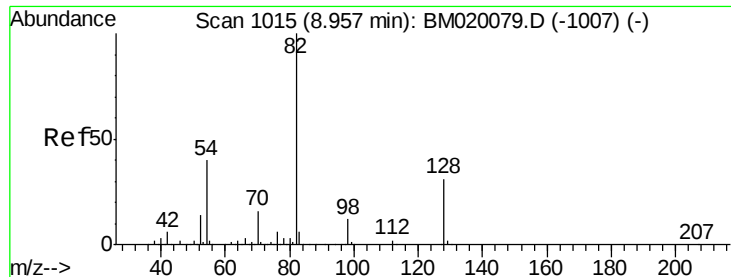
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

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) (-)

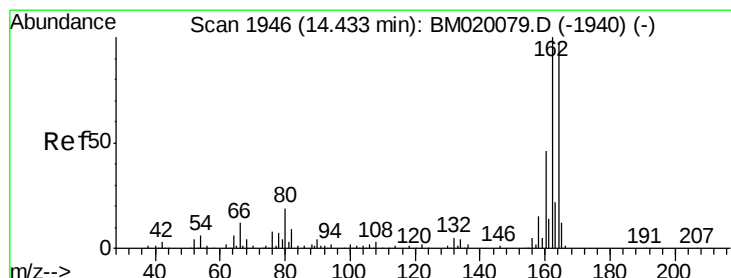
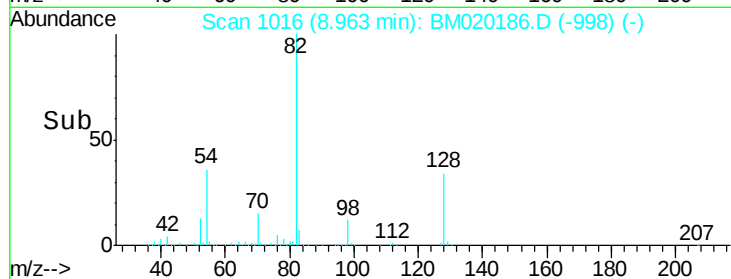
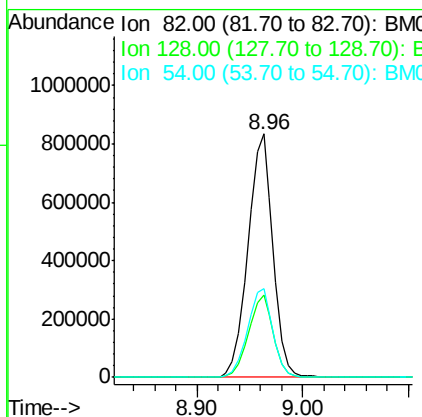
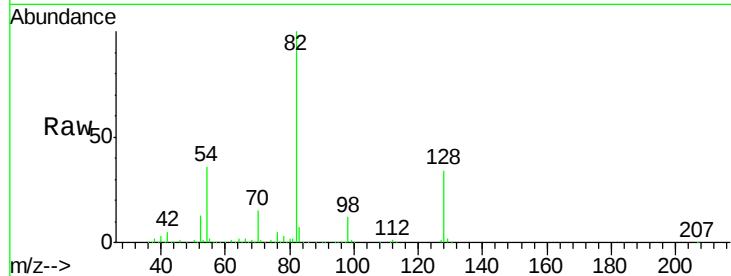




#23
Nitrobenzene-d5
Concen: 111.441 ng
RT: 8.96 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

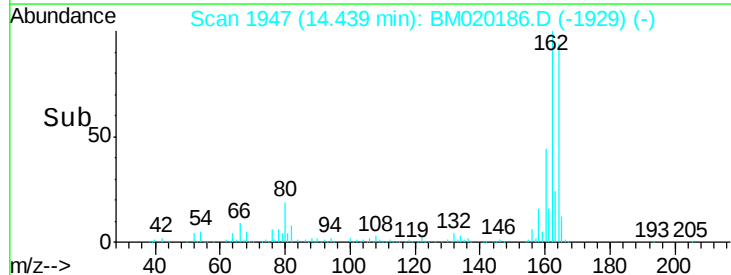
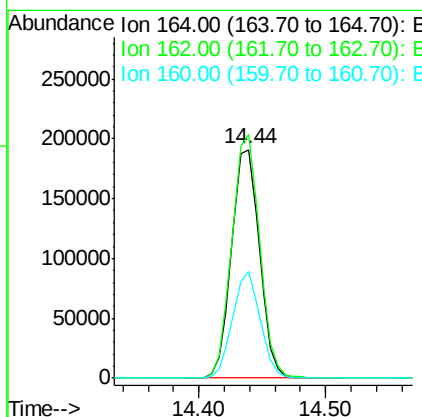
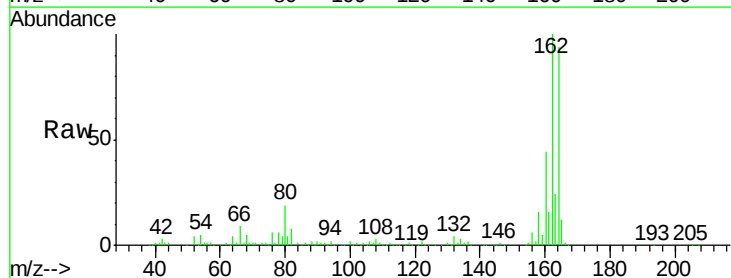
Instrument :
BNA_M
ClientSampled :

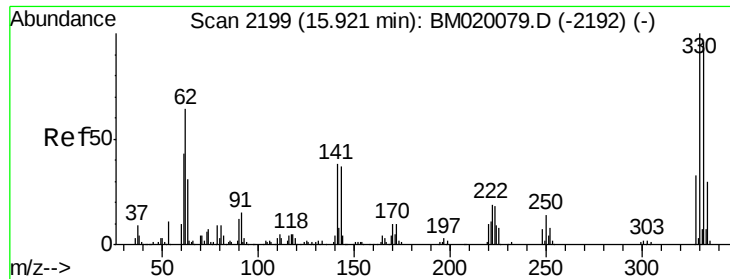
Tot Ion: 82 Resp: 1369738
Ion Ratio Lower Upper
82 100
128 33.8 25.2 37.8
54 36.2 31.9 47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

Tgt Ion:164 Resp: 290740
Ion Ratio Lower Upper
164 100
162 106.5 82.2 123.2
160 46.5 37.6 56.4

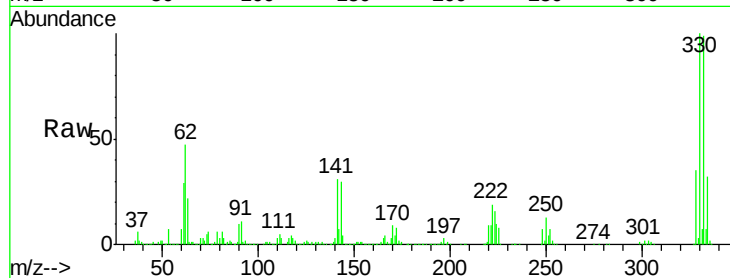




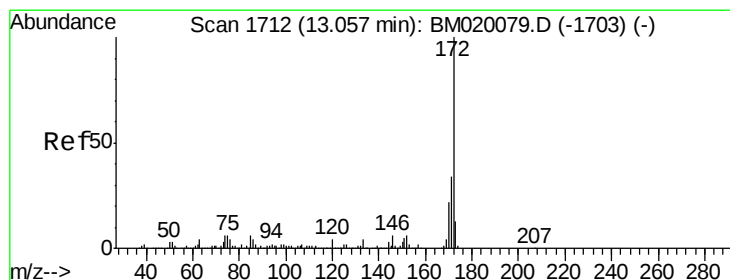
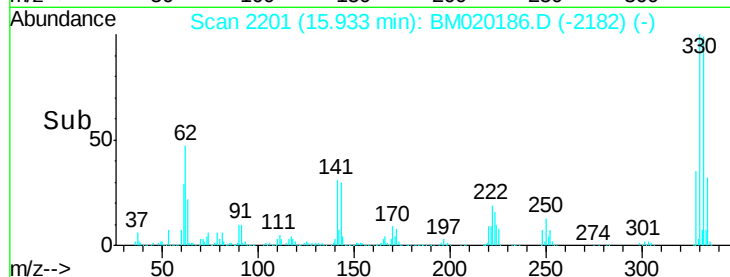
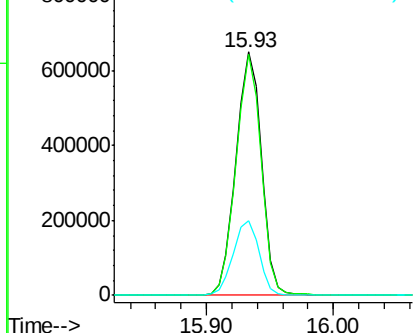
#42
 2,4,6-Tribromophenol
 Concen: 200.745 ng
 RT: 15.93 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BM020186.D
 Acq: 08 May 2019 04:00

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	31.4	29.2	43.8

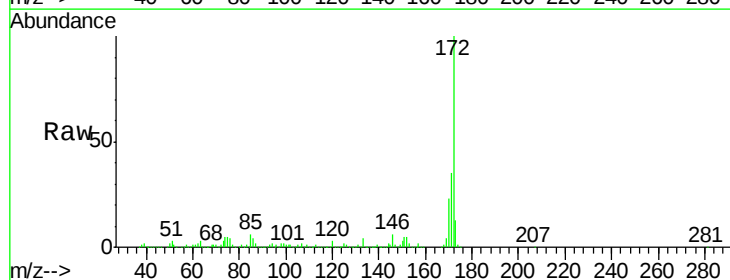


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

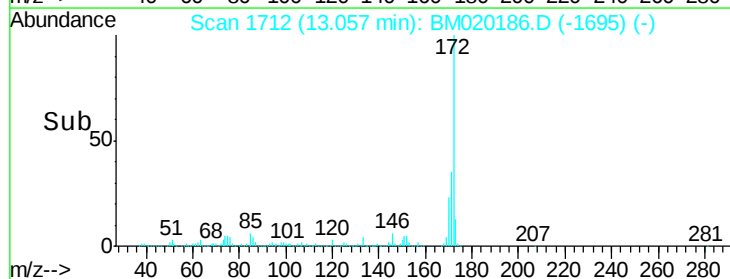
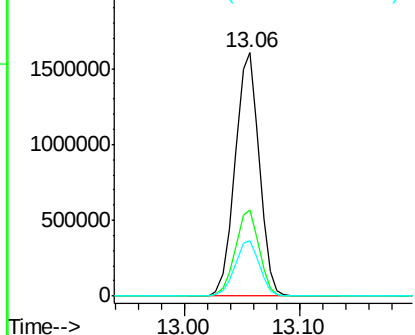


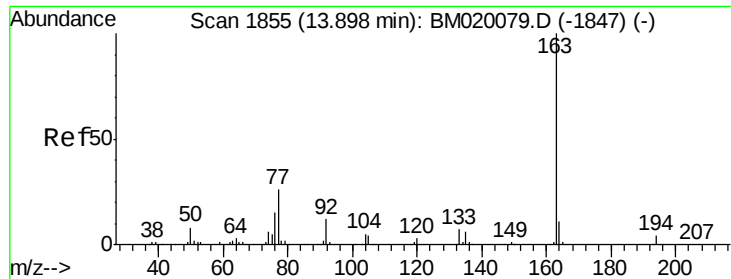
#45
 2-Fluorobiphenyl
 Concen: 98.205 ng
 RT: 13.06 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BM020186.D
 Acq: 08 May 2019 04:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	23.0	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

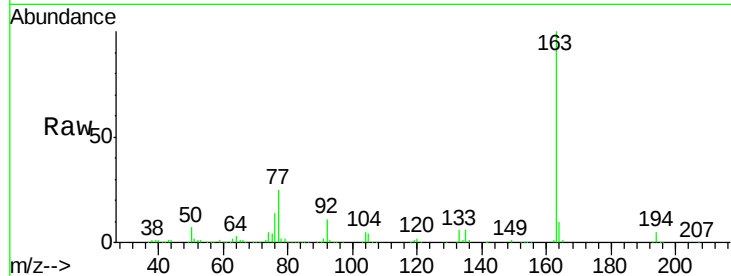




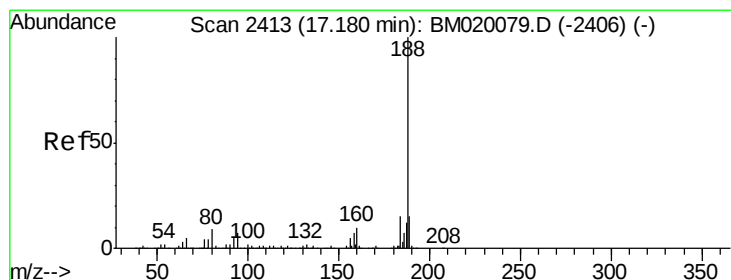
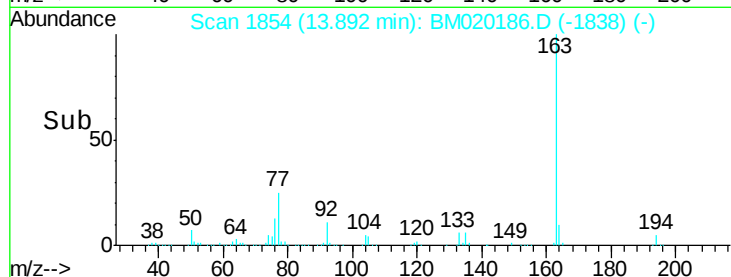
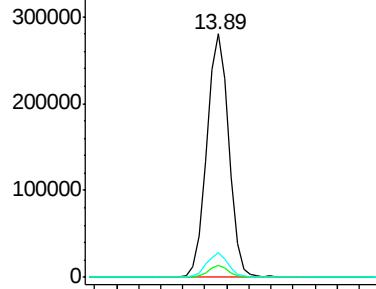
#50
Dimethylphthalate
Concen: 15.955 ng
RT: 13.89 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 394248
Ion Ratio Lower Upper
163 100
194 4.9 3.6 5.4
164 10.0 8.4 12.6

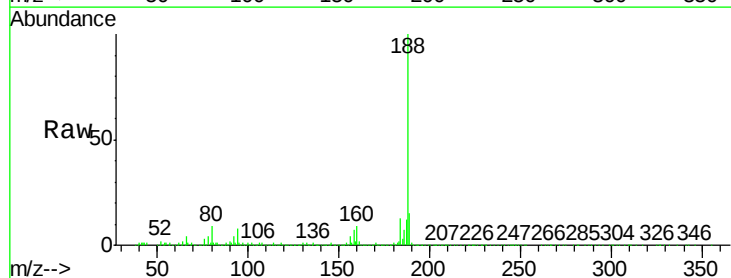


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

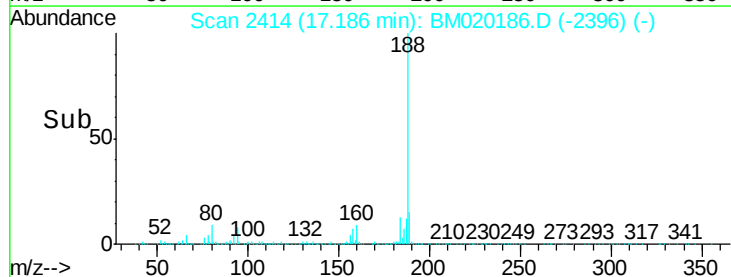
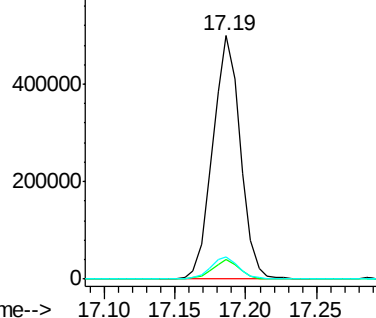


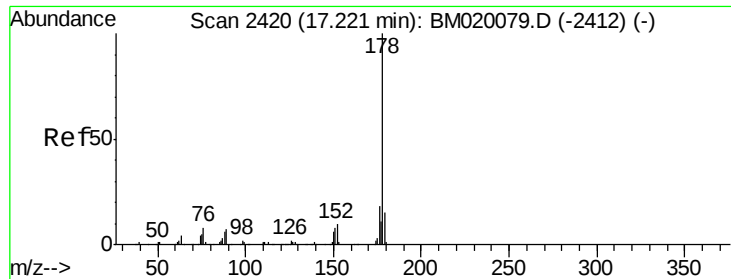
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

Tgt Ion:188 Resp: 680129
Ion Ratio Lower Upper
188 100
94 7.9 5.8 8.6
80 9.1 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

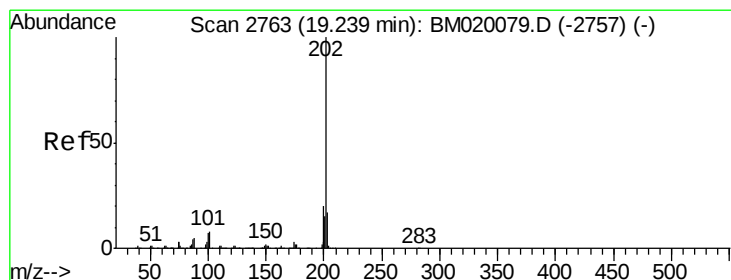
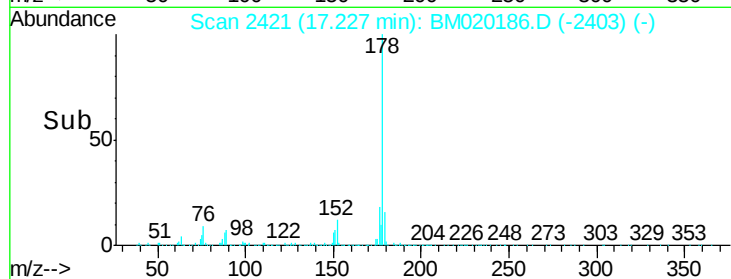
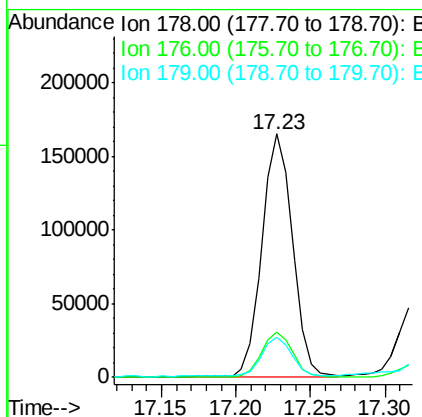
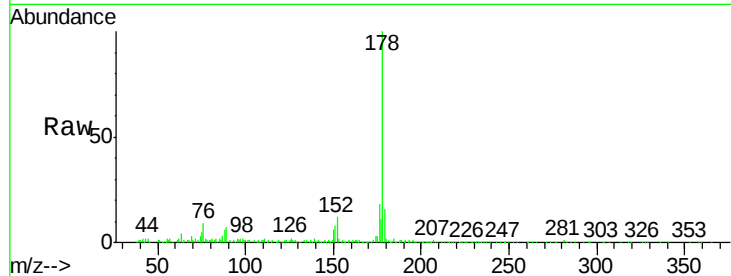




#71
Phenanthrene
Concen: 6.201 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

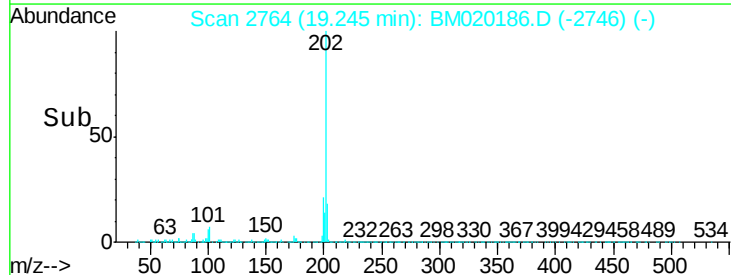
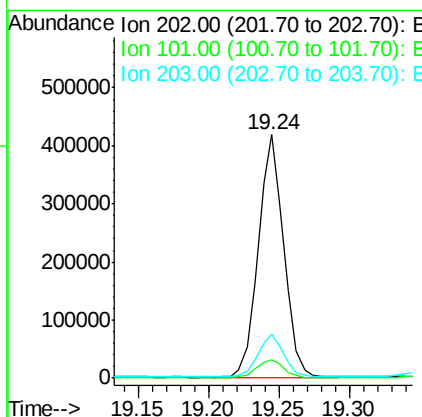
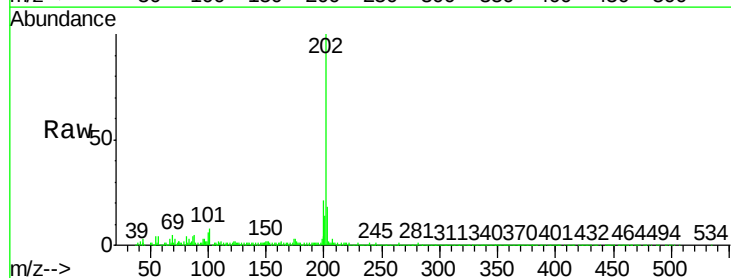
Instrument :
BNA_M
ClientSampleId :

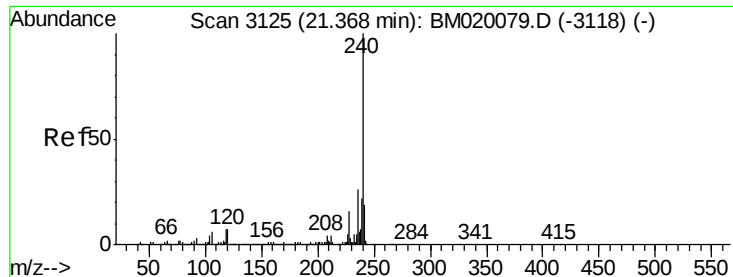
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.3	12.4	18.6



#75
Fluoranthene
Concen: 11.106 ng
RT: 19.24 min Scan# 2764
Delta R.T. 0.01 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.4
203	18.3	0.0	37.4

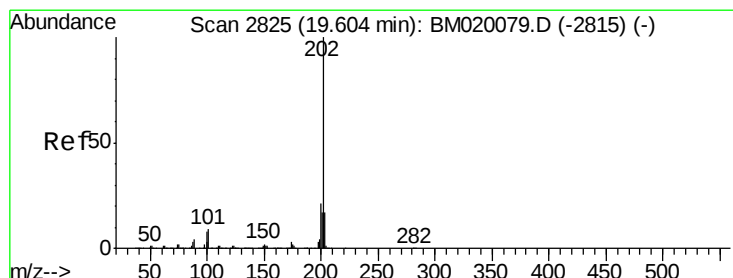
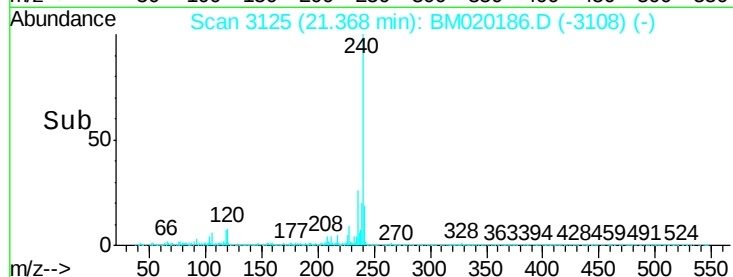
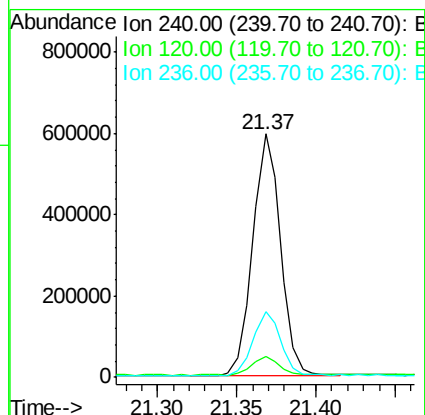
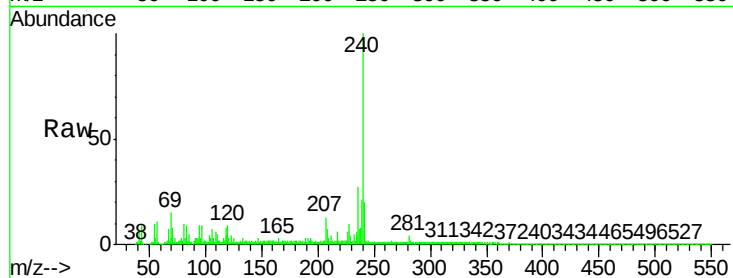




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

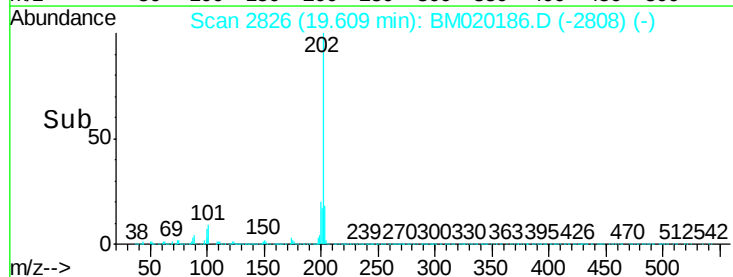
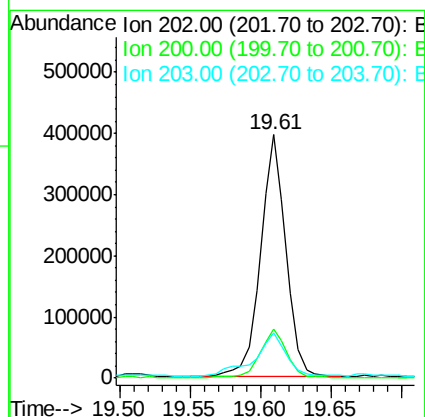
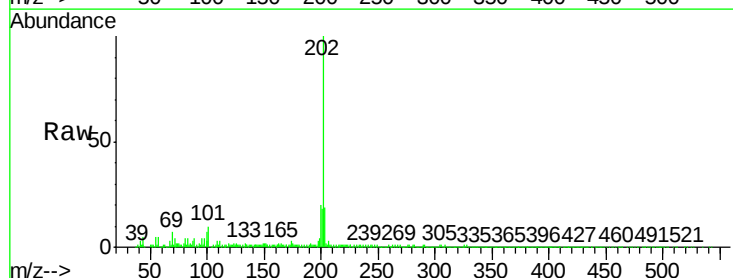
Instrument :
BNA_M
ClientSampleId :

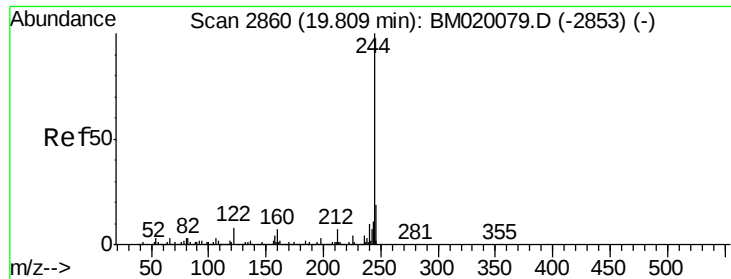
Tot Ion:240 Resp: 731646
Ion Ratio Lower Upper
240 100
120 8.6 5.6 8.4#
236 26.8 20.9 31.3



#78
Pyrene
Concen: 10.221 ng
RT: 19.61 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BM020186.D
Acq: 08 May 2019 04:00

Tgt Ion:202 Resp: 502066
Ion Ratio Lower Upper
202 100
200 20.4 16.5 24.7
203 18.7 13.9 20.9





#79

Terphenyl-d14

Concen: 89.900 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

Instrument :

BNA_M

ClientSampleId :

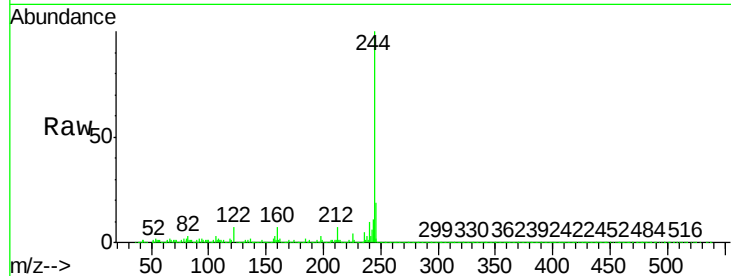
Tot Ion:244 Resp: 3771016

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

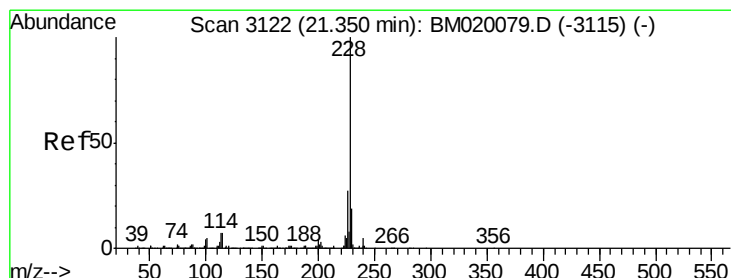
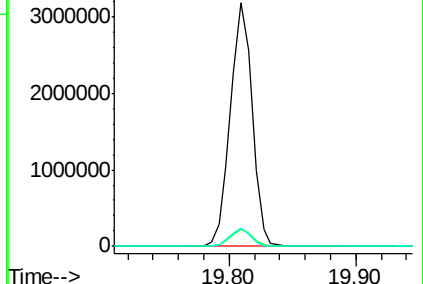
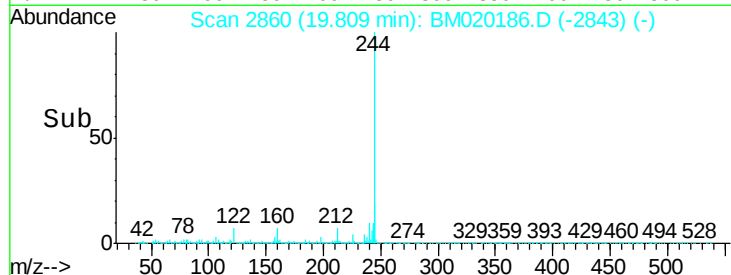
122 7.5 6.2 9.2



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: 6.331 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

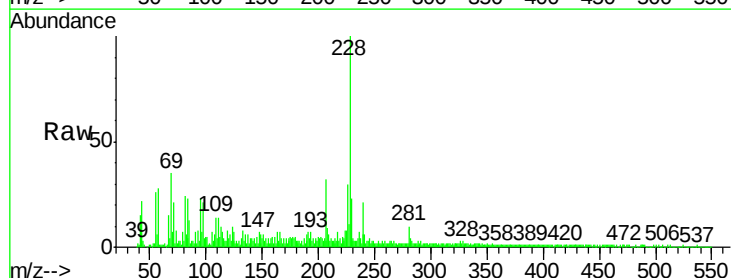
Tgt Ion:228 Resp: 324852

Ion Ratio Lower Upper

228 100

226 30.5 21.3 31.9

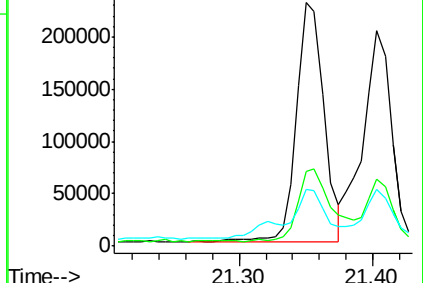
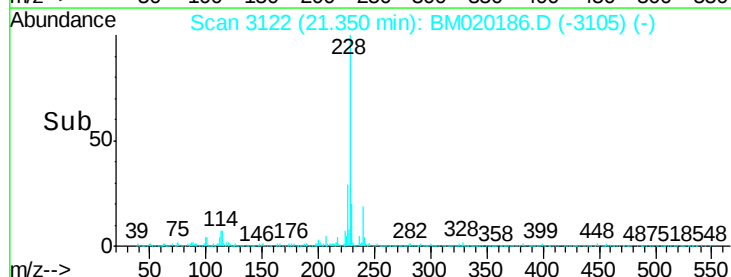
229 23.3 15.5 23.3

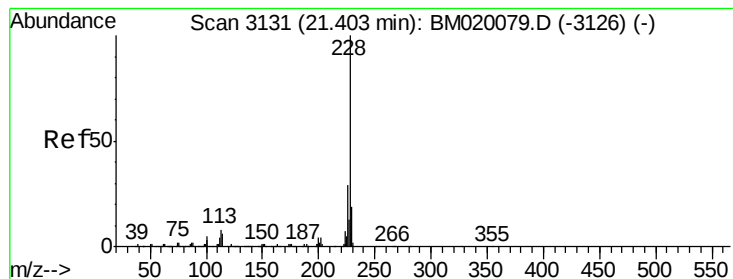


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.242 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.05 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

Instrument :

BNA_M

ClientSampleId :

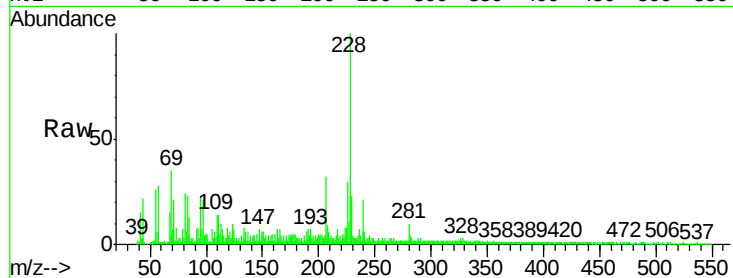
Tot Ion:228 Resp: 310618

Ion Ratio Lower Upper

228 100

226 30.5 23.0 34.6

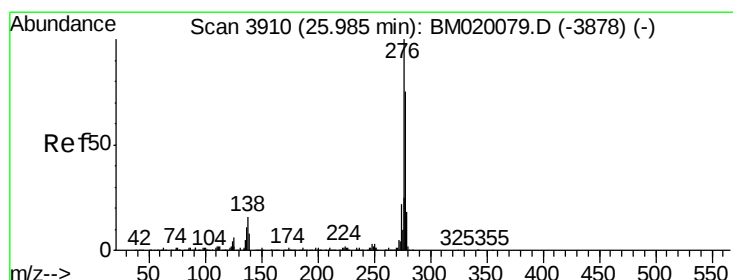
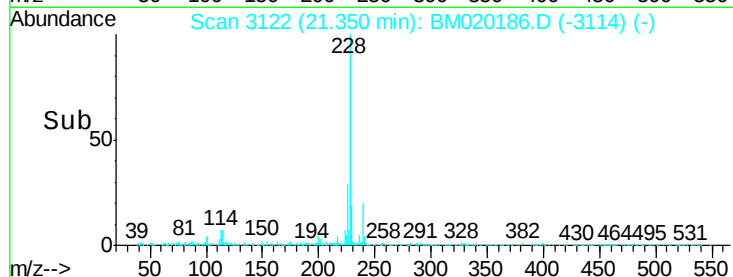
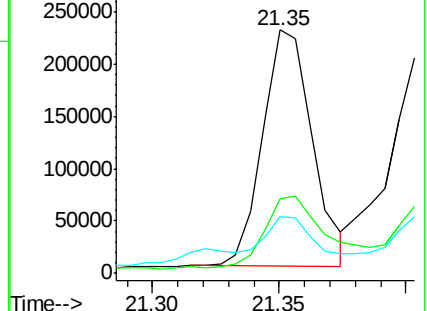
229 23.3 15.5 23.3



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.825 ng

RT: 26.00 min Scan# 3913

Delta R.T. 0.02 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

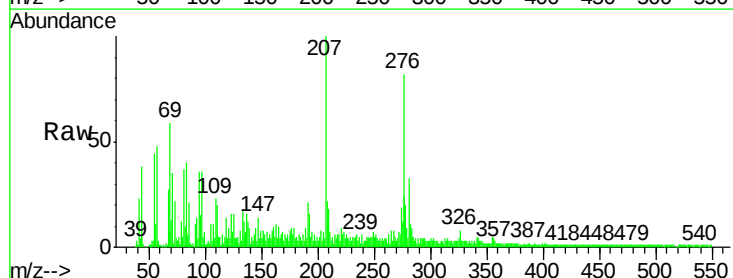
Tgt Ion:276 Resp: 285576

Ion Ratio Lower Upper

276 100

138 14.9 0.0 0.0#

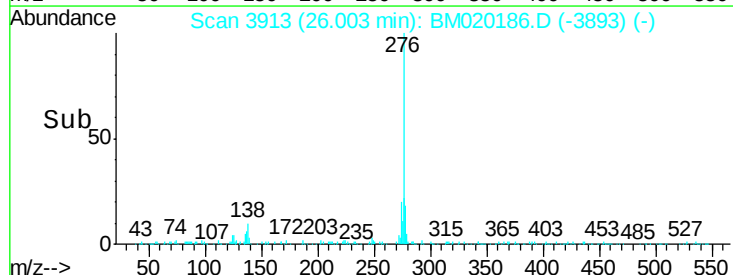
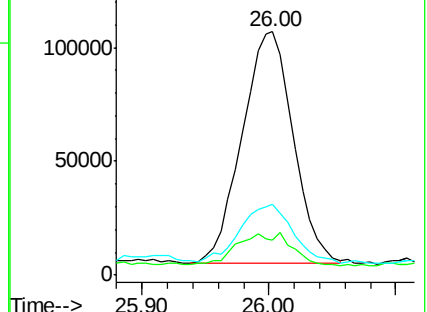
277 26.5 0.0 0.0#

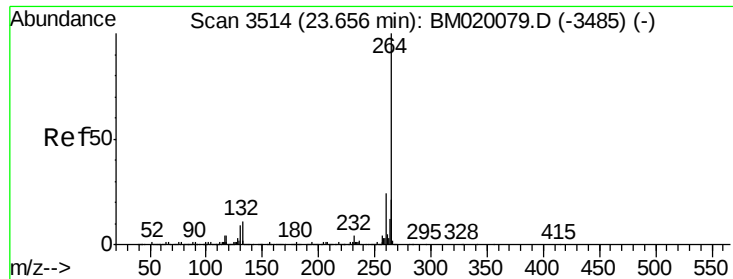


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

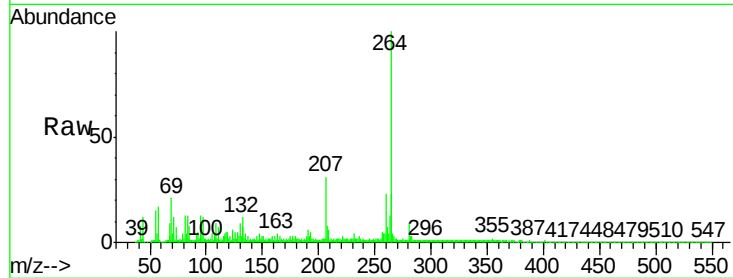
Instrument :

BNA_M

ClientSampleId :

Tot Ion:264 Resp: 873623

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.9	16.9	25.3

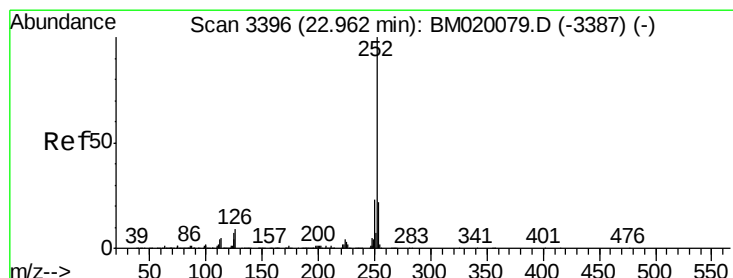
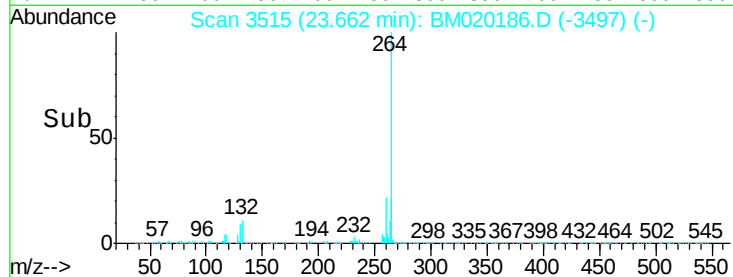
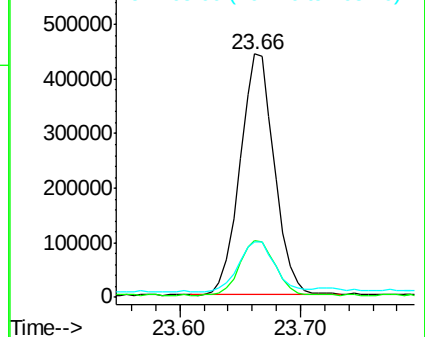


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 11.545 ng

RT: 22.97 min Scan# 3397

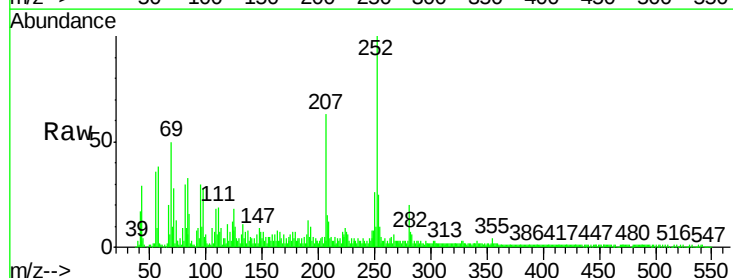
Delta R.T. 0.01 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

Tgt Ion:252 Resp: 666019

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	17.9	5.4	8.2#

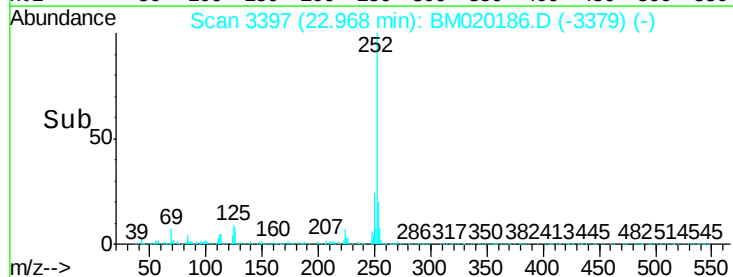
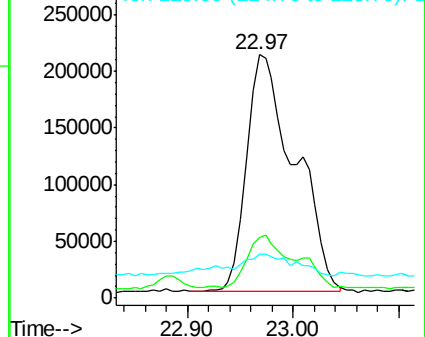


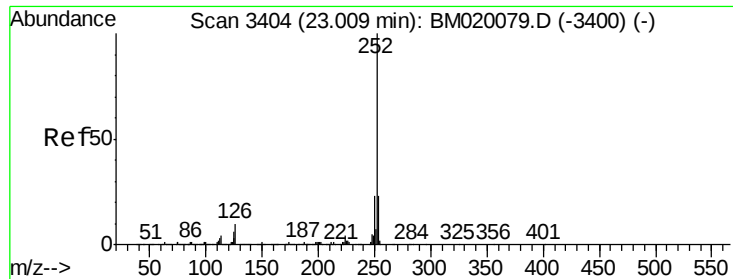
Abundance

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: 12.683 ng

RT: 22.97 min Scan# 3397

Delta R.T. -0.04 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

Instrument :

BNA_M

ClientSampled :

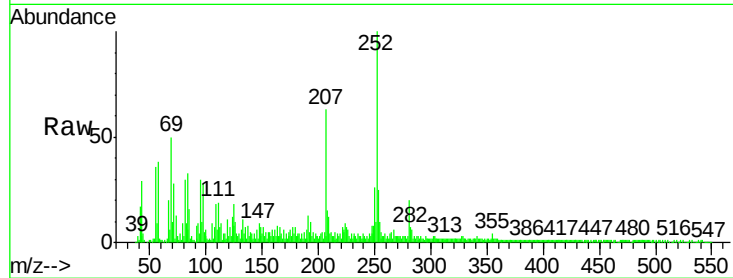
Tot Ion:252 Resp: 667436

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.8

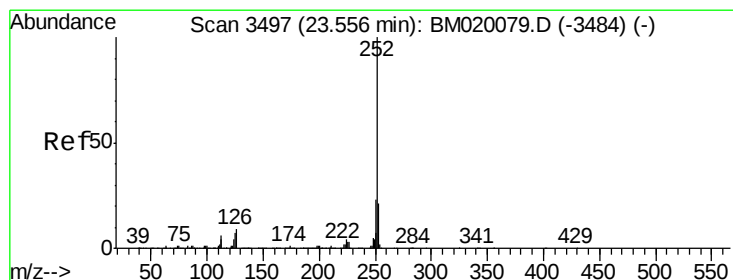
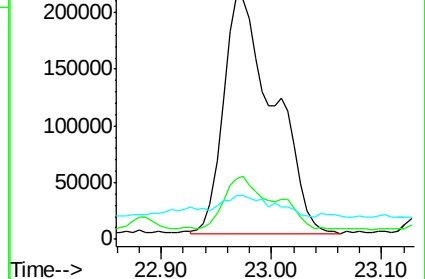
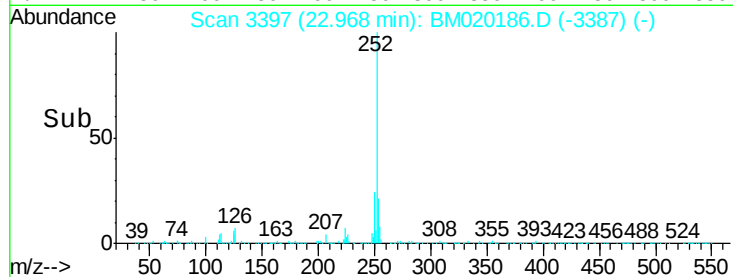
125 17.9 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.284 ng

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

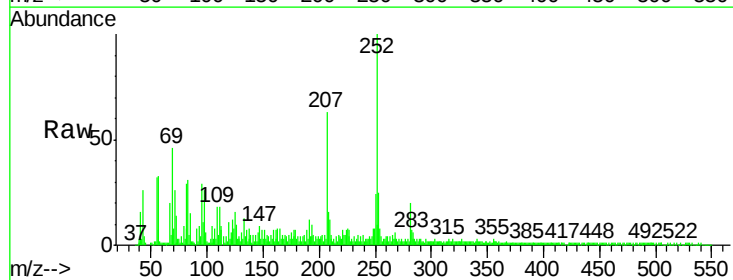
Tgt Ion:252 Resp: 381665

Ion Ratio Lower Upper

252 100

253 25.2 17.0 25.6

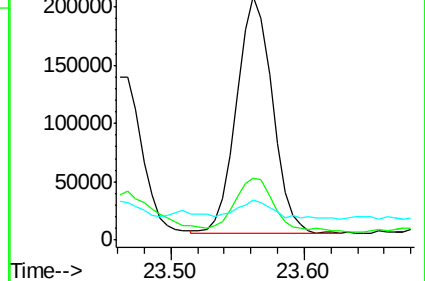
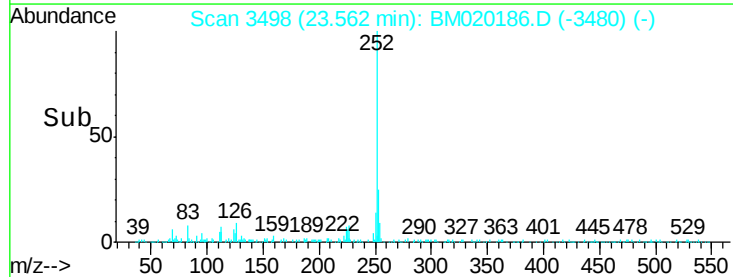
125 16.4 5.5 8.3#

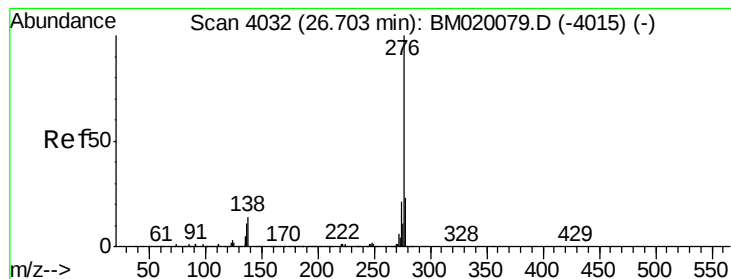


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 5.486 ng

RT: 26.72 min Scan# 4035

Delta R.T. 0.02 min

Lab File: BM020186.D

Acq: 08 May 2019 04:00

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 283841

Ion Ratio Lower Upper

276 100

277 27.9 18.4 27.6#

138 16.8 11.1 16.7#

