

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
 Data File : BM020178.D
 Acq On : 07 May 2019 23:08
 Operator : JU/SJ
 Sample : K2704-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-2(33.5-35.5)

Quant Time: May 08 04:49:38 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

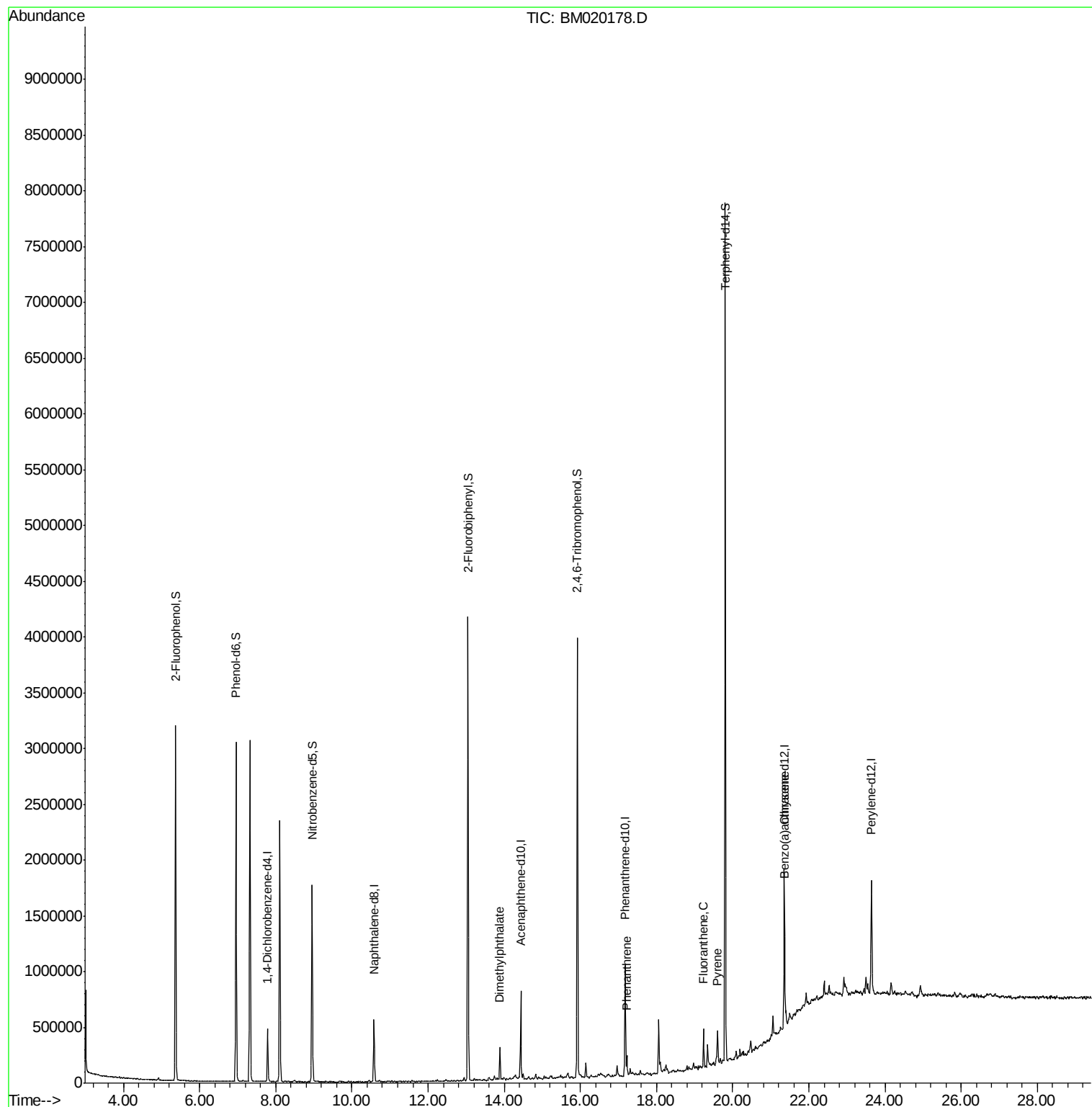
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	117096	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	417671	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	249933	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	586940	20.00	ng	0.00
76) Chrysene-d12	21.36	240	623175	20.00	ng	-0.01
87) Perylene-d12	23.64	264	755276	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1147048	160.12	ng	0.00
7) Phenol-d6	6.96	99	1590424	162.51	ng	0.00
23) Nitrobenzene-d5	8.95	82	1138696	107.63	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	691043	178.13	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	2116662	104.20	ng	0.00
79) Terphenyl-d14	19.80	244	3442409	96.35	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.89	163	150280	7.075	ng	99
71) Phenanthrene	17.22	178	105939	3.270	ng	98
75) Fluoranthene	19.23	202	198900	4.852	ng	99
78) Pyrene	19.60	202	185029	4.422	ng	98
81) Benzo(a)anthracene	21.34	228	95732	2.191	ng	97

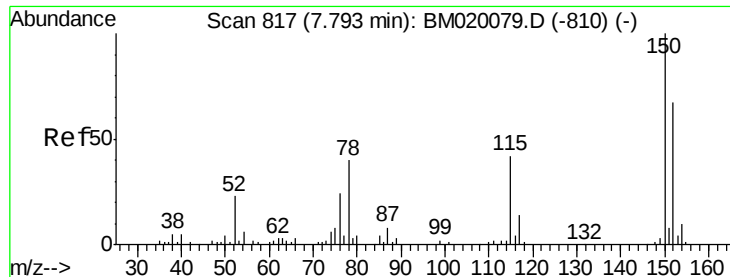
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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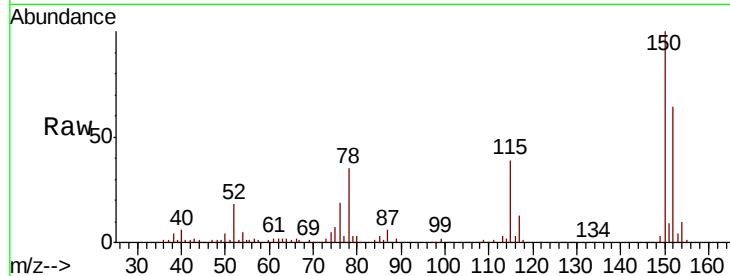


#1

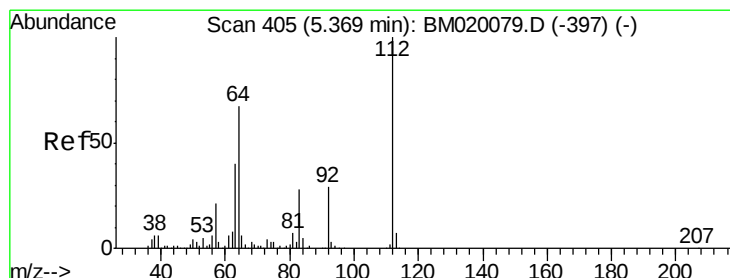
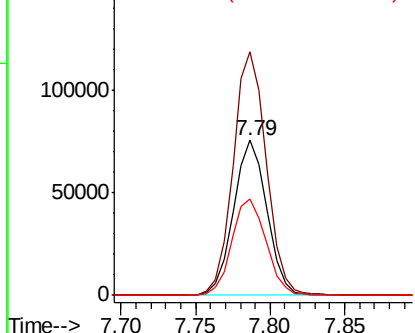
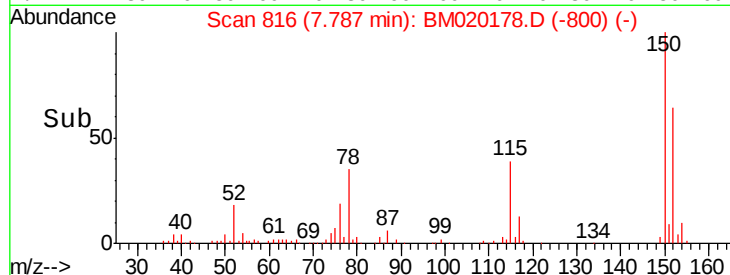
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.79 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BM020178.D
 Acq: 07 May 2019 23:08

Instrument :
 BNA_M
 ClientSampleId :
 SB-2(33.5-35.5)

Tot Ion:152 Resp: 117096
 Ion Ratio Lower Upper
 152 100
 150 157.3 119.8 179.8
 115 62.0 50.8 76.2



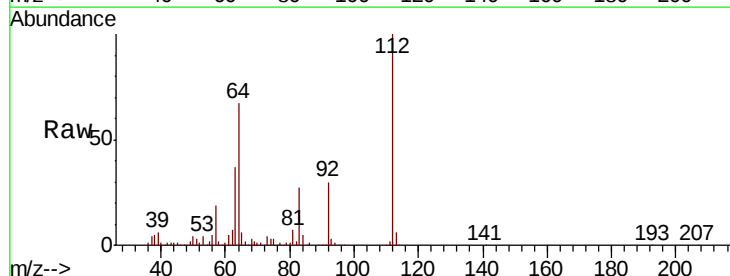
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



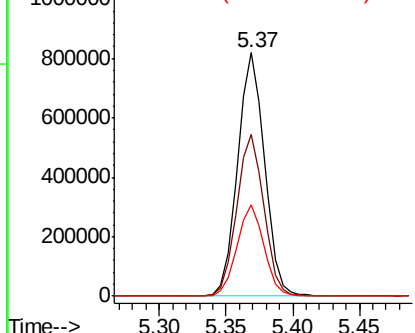
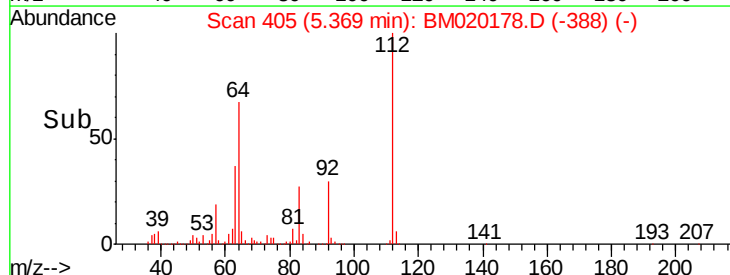
#5

2-Fluorophenol
 Concen: 160.121 ng
 RT: 5.37 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: BM020178.D
 Acq: 07 May 2019 23:08

Tgt Ion:112 Resp: 1147048
 Ion Ratio Lower Upper
 112 100
 64 66.5 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: 162.512 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020178.D

Acq: 07 May 2019 23:08

Instrument :

BNA_M

ClientSampled :

SB-2(33.5-35.5)

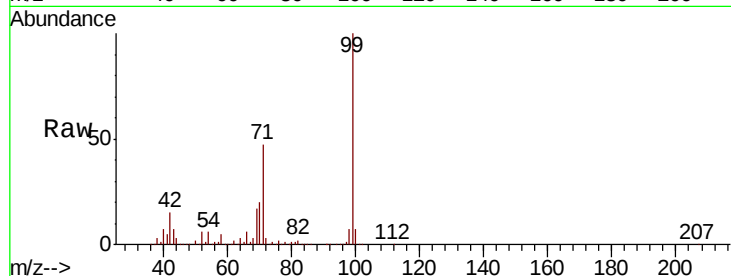
Tot Ion: 99 Resp: 1590424

Ion Ratio Lower Upper

99 100

42 14.9 14.2 21.2

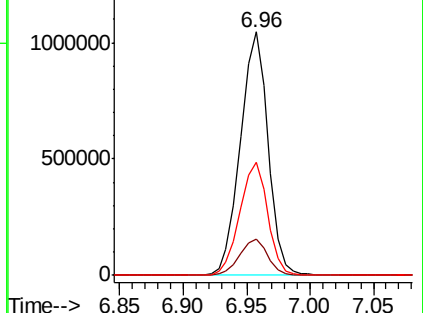
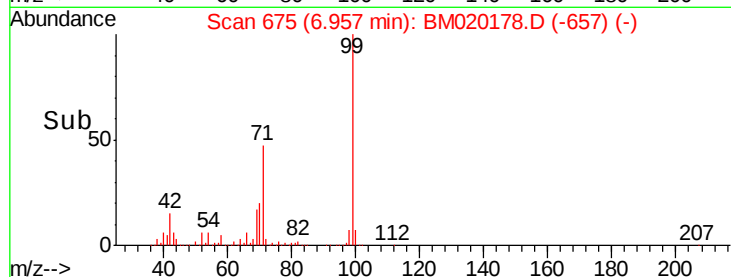
71 46.7 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020178.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020178.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020178.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020178.D

Acq: 07 May 2019 23:08

Tgt Ion: 136 Resp: 417671

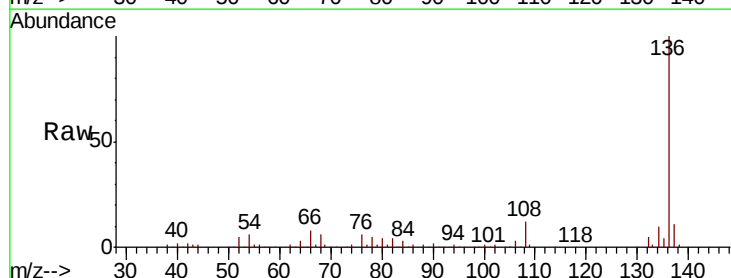
Ion Ratio Lower Upper

136 100

137 11.3 9.6 14.4

54 6.1 5.5 8.3

68 6.0 4.6 6.8

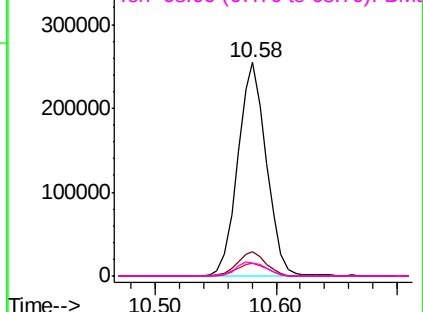
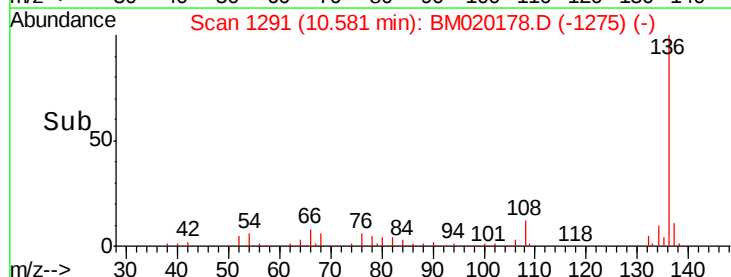


Abundance Ion 136.00 (135.70 to 136.70): BM020178.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020178.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020178.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020178.D (-1275) (-)

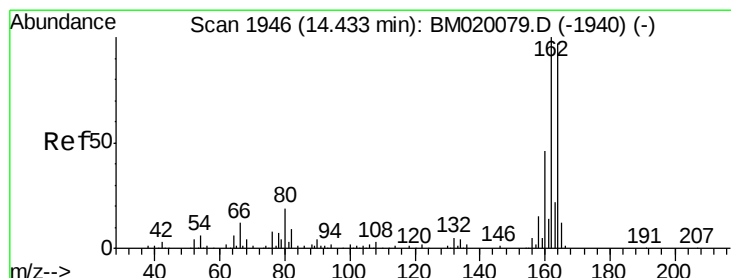
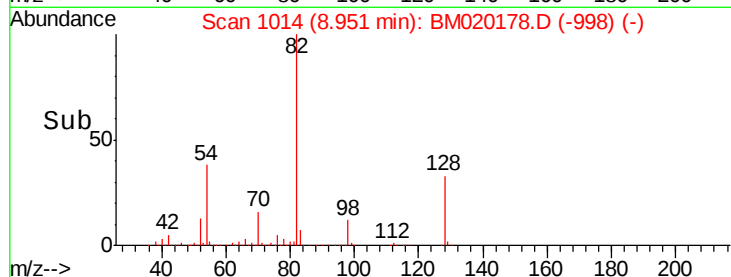
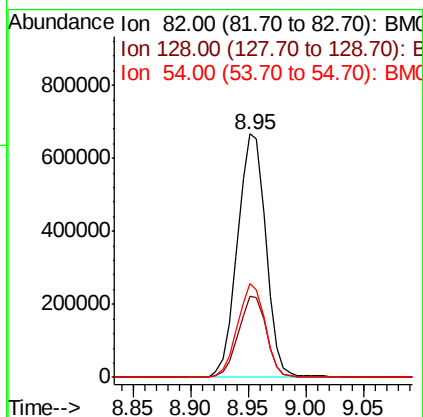
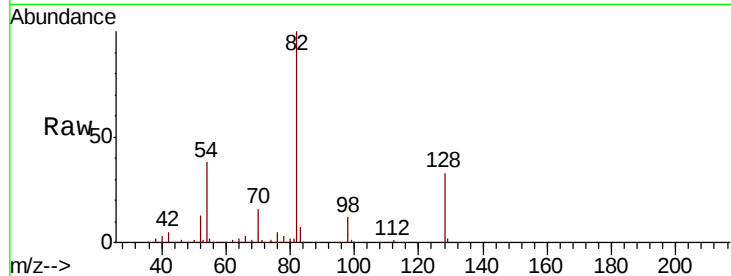




#23
Nitrobenzene-d5
Concen: 107.635 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020178.D
Acq: 07 May 2019 23:08

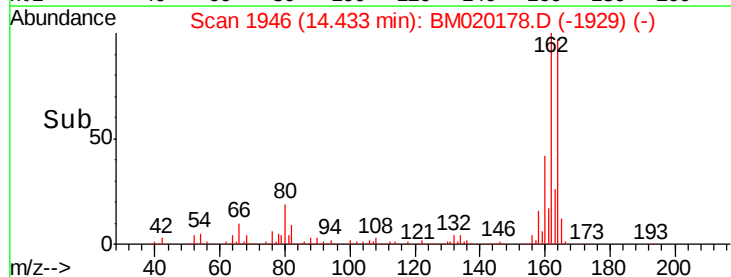
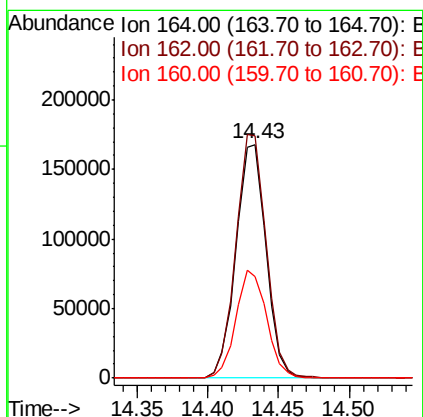
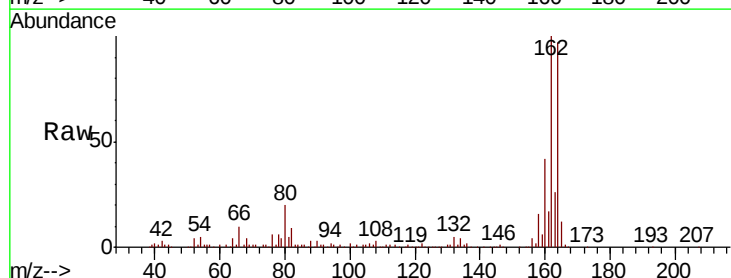
Instrument :
BNA_M
ClientSampleId :
SB-2(33.5-35.5)

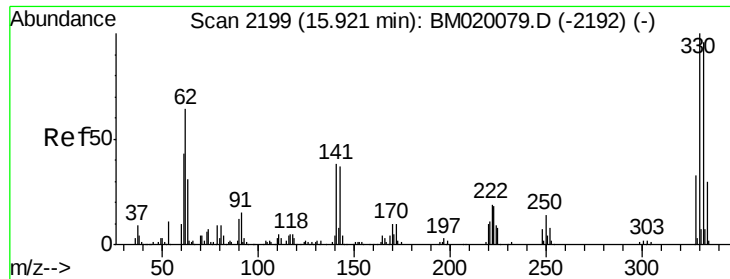
Tot Ion: 82 Resp: 1138696
Ion Ratio Lower Upper
82 100
128 33.3 25.2 37.8
54 38.4 31.9 47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BM020178.D
Acq: 07 May 2019 23:08

Tgt Ion:164 Resp: 249933
Ion Ratio Lower Upper
164 100
162 103.5 82.2 123.2
160 43.6 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 178.130 ng

RT: 15.92 min Scan# 2199

Delta R.T. 0.00 min

Lab File: BM020178.D

Acq: 07 May 2019 23:08

Instrument :

BNA_M

ClientSampleId :

SB-2(33.5-35.5)

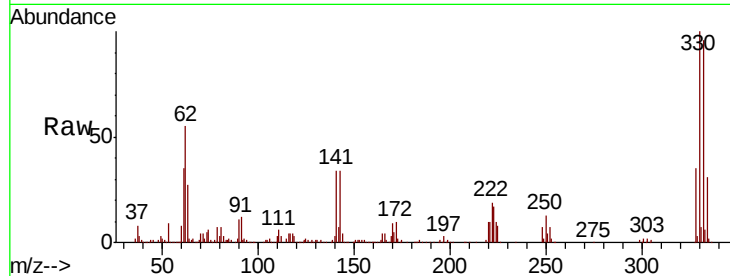
Tot Ion:330 Resp: 691043

Ion Ratio Lower Upper

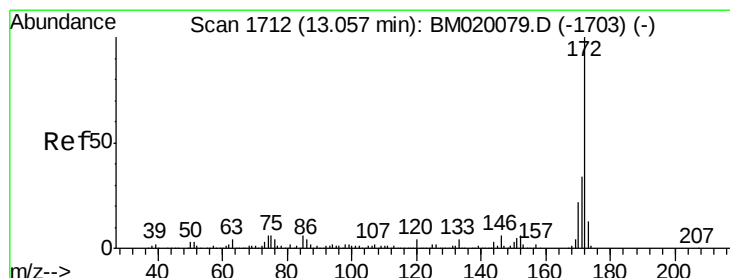
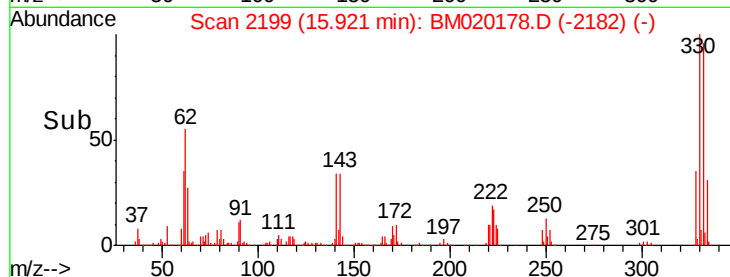
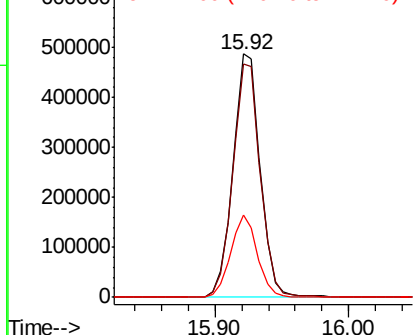
330 100

332 97.0 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: 104.199 ng

RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BM020178.D

Acq: 07 May 2019 23:08

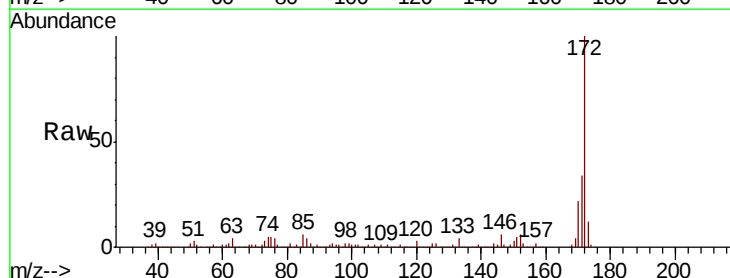
Tgt Ion:172 Resp: 2116662

Ion Ratio Lower Upper

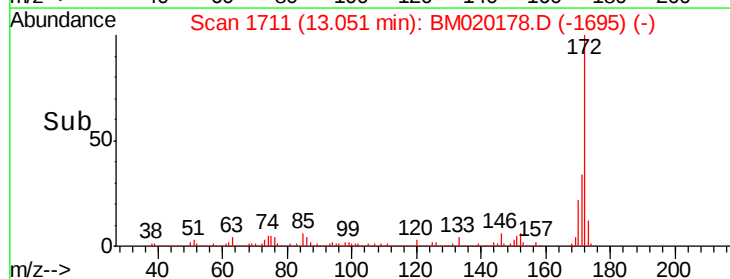
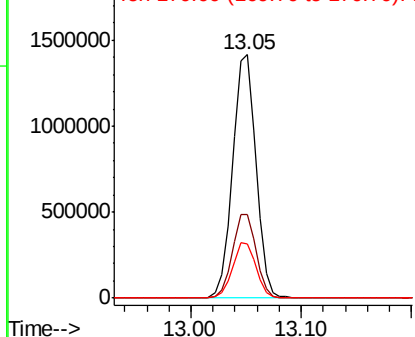
172 100

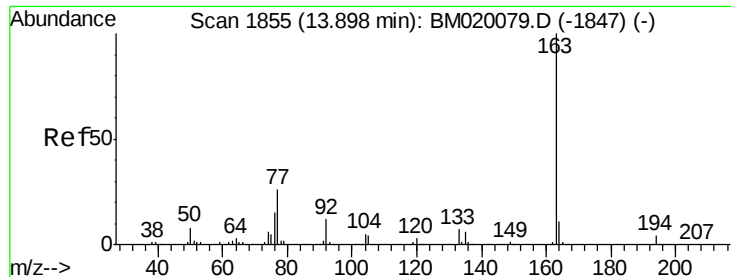
171 34.2 27.3 40.9

170 22.5 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: 7.075 ng

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM020178.D

Acq: 07 May 2019 23:08

Instrument :

BNA_M

ClientSampleId :

SB-2(33.5-35.5)

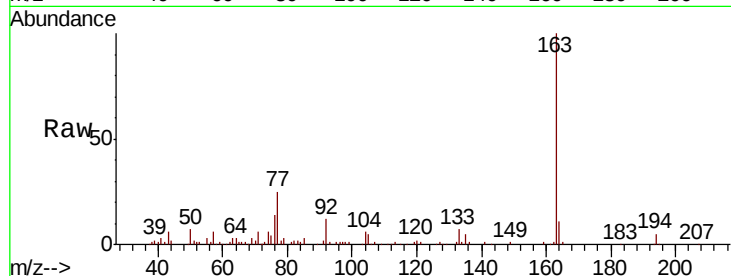
Tot Ion:163 Resp: 150280

Ion Ratio Lower Upper

163 100

194 5.1 3.6 5.4

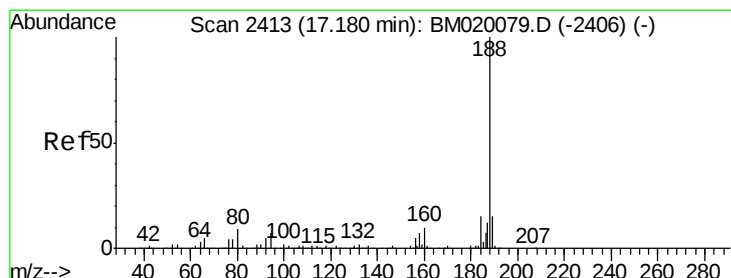
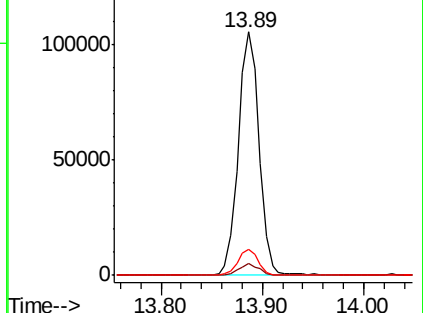
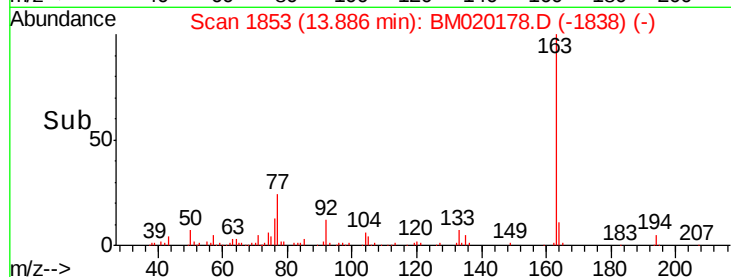
164 10.6 8.4 12.6



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: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM020178.D

Acq: 07 May 2019 23:08

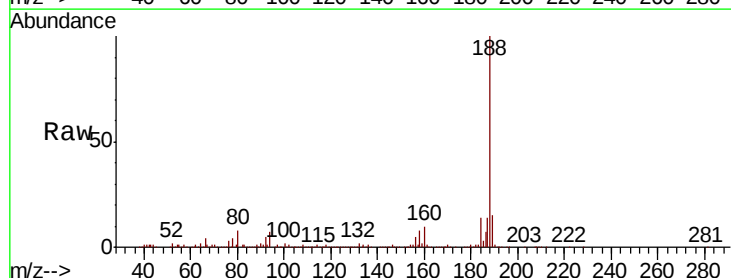
Tgt Ion:188 Resp: 586940

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

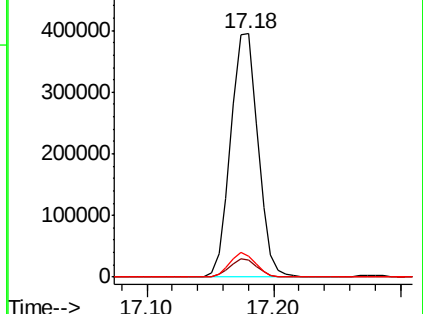
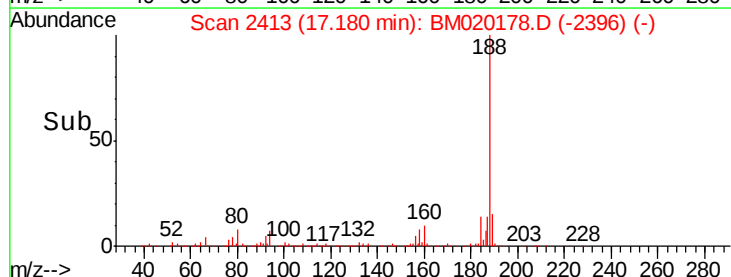
80 8.4 7.4 11.2

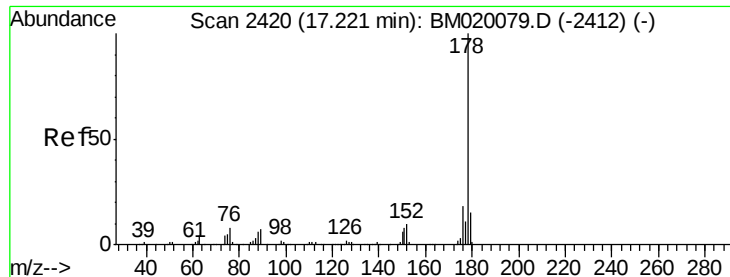


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

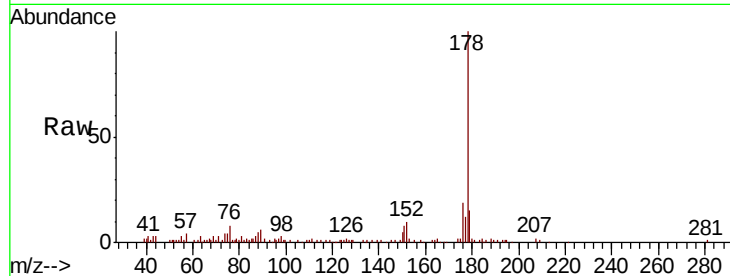




#71
Phenanthrene
Concen: 3.270 ng
RT: 17.22 min Scan# 2420
Delta R.T. 0.00 min
Lab File: BM020178.D
Acq: 07 May 2019 23:08

Instrument :
BNA_M
ClientSampleId :
SB-2(33.5-35.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	14.8	12.4	18.6

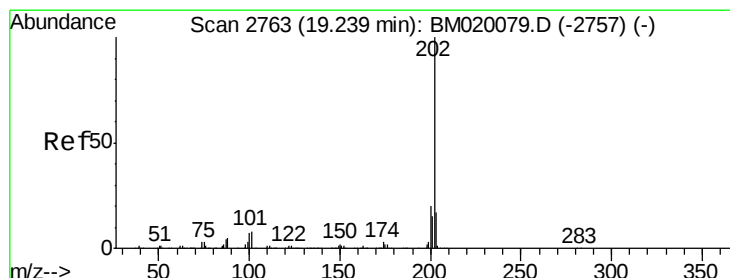
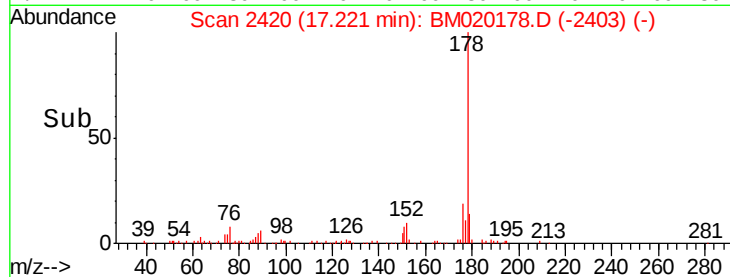
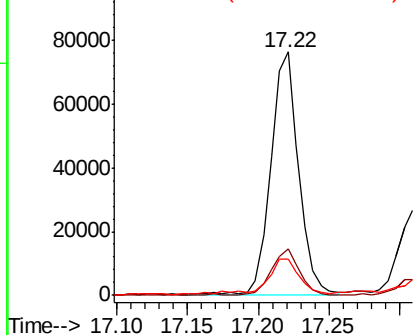


Abundance

Ion 178.00 (177.70 to 178.70): E

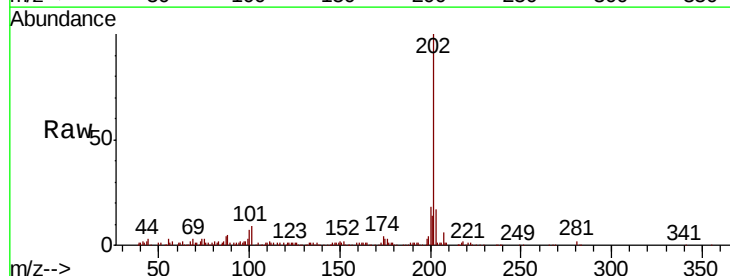
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 4.852 ng
RT: 19.23 min Scan# 2762
Delta R.T. -0.01 min
Lab File: BM020178.D
Acq: 07 May 2019 23:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	28.4
203	17.0	0.0	37.4

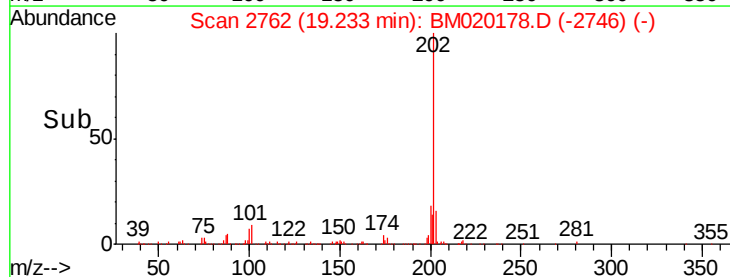
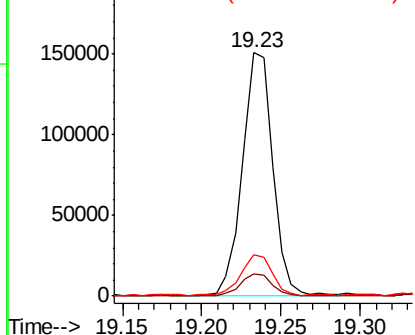


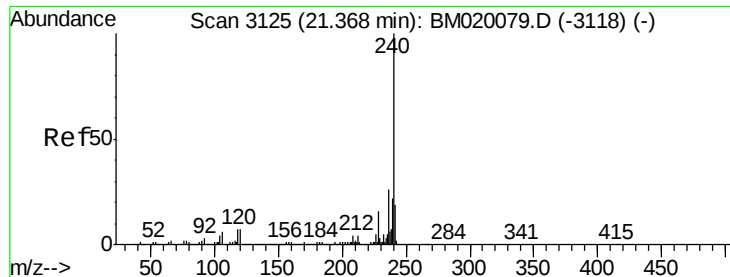
Abundance

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

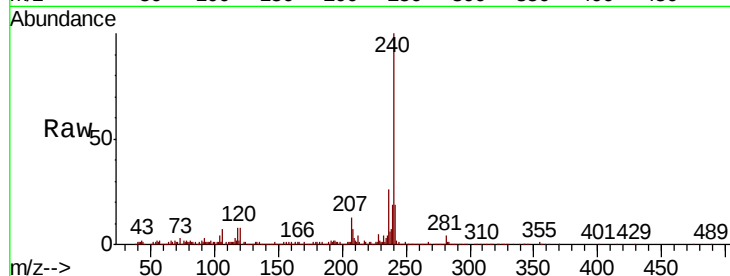




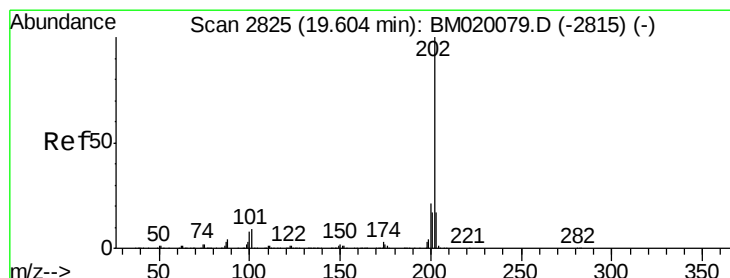
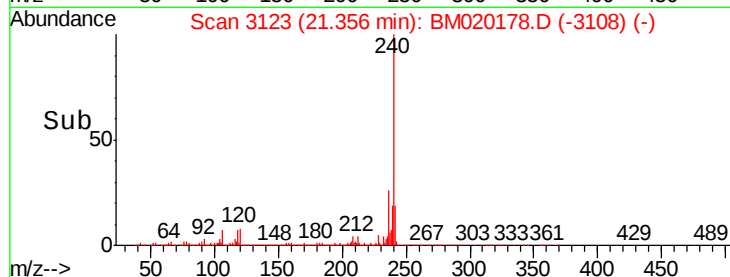
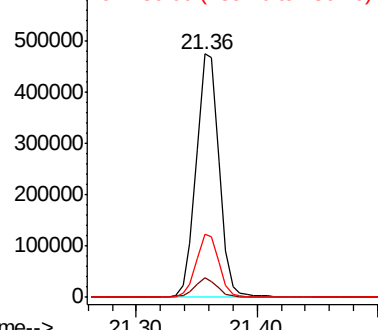
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BM020178.D
Acq: 07 May 2019 23:08

Instrument :
BNA_M
ClientSampleId :
SB-2(33.5-35.5)

Tot Ion:240 Resp: 623175
Ion Ratio Lower Upper
240 100
120 7.9 5.6 8.4
236 25.9 20.9 31.3

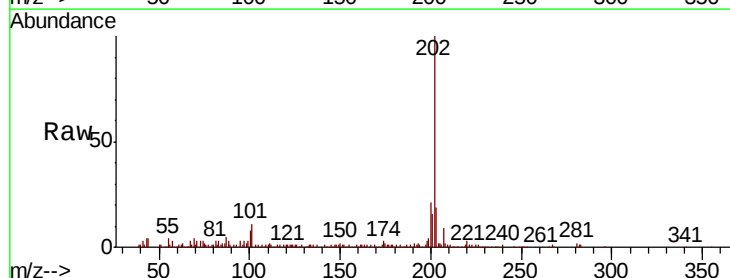


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

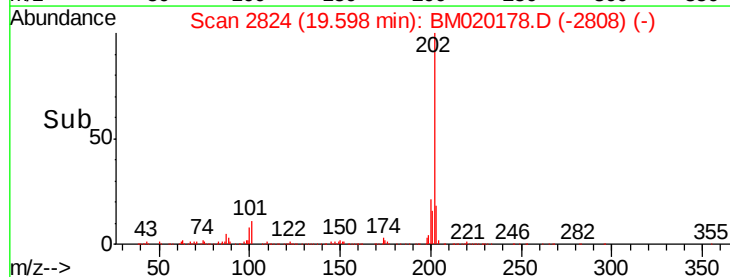
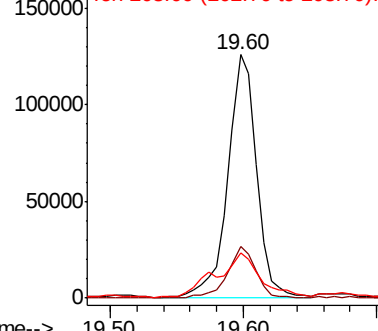


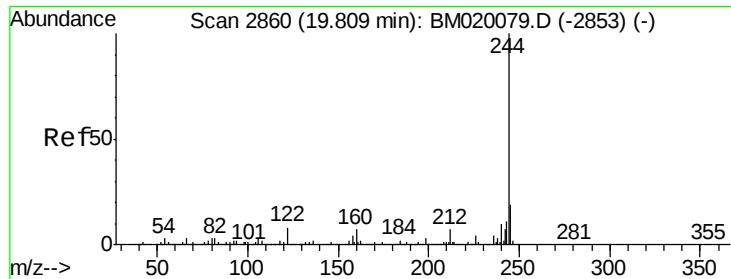
#78
Pyrene
Concen: 4.422 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM020178.D
Acq: 07 May 2019 23:08

Tgt Ion:202 Resp: 185029
Ion Ratio Lower Upper
202 100
200 21.1 16.5 24.7
203 18.5 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: 96.350 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020178.D

Acq: 07 May 2019 23:08

Instrument :

BNA_M

ClientSampleId :

SB-2(33.5-35.5)

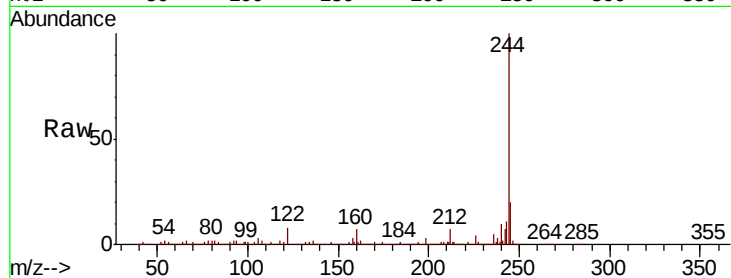
Tot Ion:244 Resp: 3442409

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

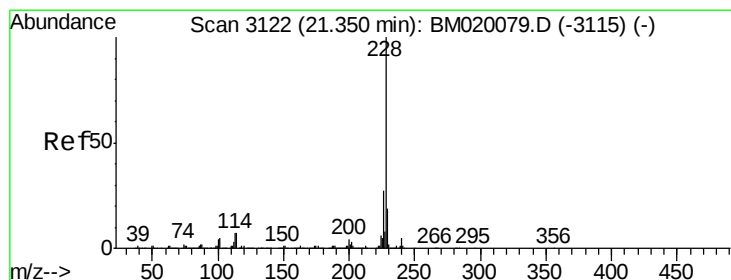
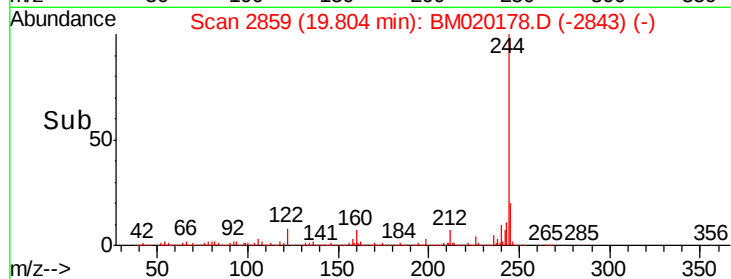
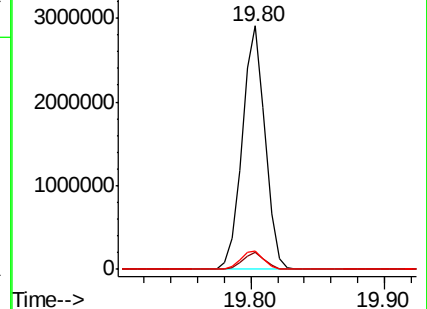
122 7.5 6.2 9.2



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: 2.191 ng

RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM020178.D

Acq: 07 May 2019 23:08

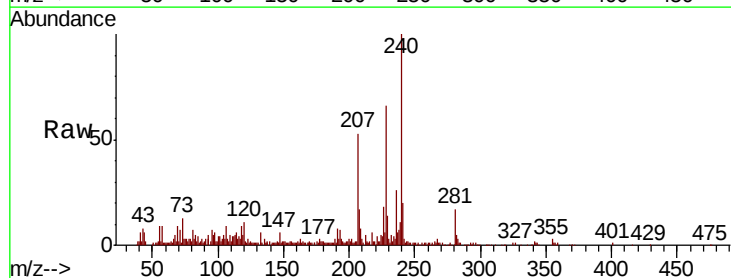
Tgt Ion:228 Resp: 95732

Ion Ratio Lower Upper

228 100

226 26.7 21.3 31.9

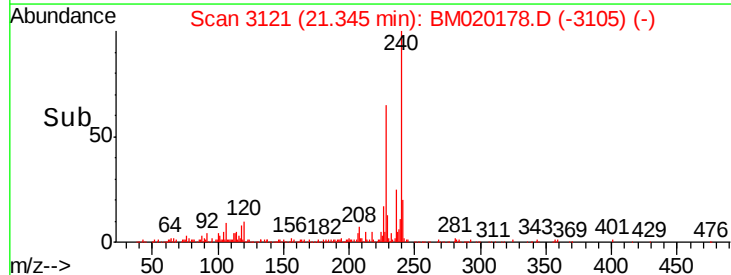
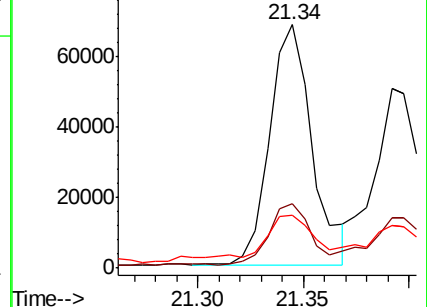
229 22.0 15.5 23.3

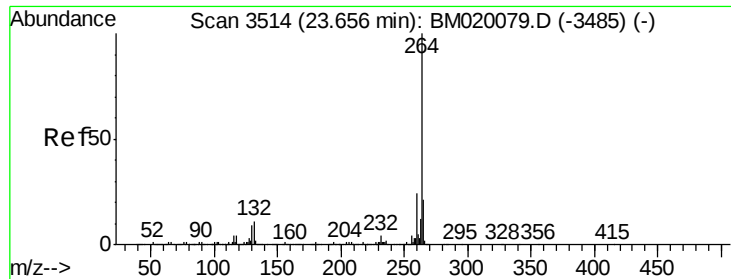


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.64 min Scan# 3512
 Delta R.T. -0.01 min
 Lab File: BM020178.D
 Acq: 07 May 2019 23:08

Instrument :
 BNA_M
 ClientSampleId :
 SB-2(33.5-35.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.3	16.9	25.3

