

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
 Data File : BM020307.D
 Acq On : 12 May 2019 20:18
 Operator : JU/SJ
 Sample : K2768-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS016-0612-01

Quant Time: May 13 05:24:33 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

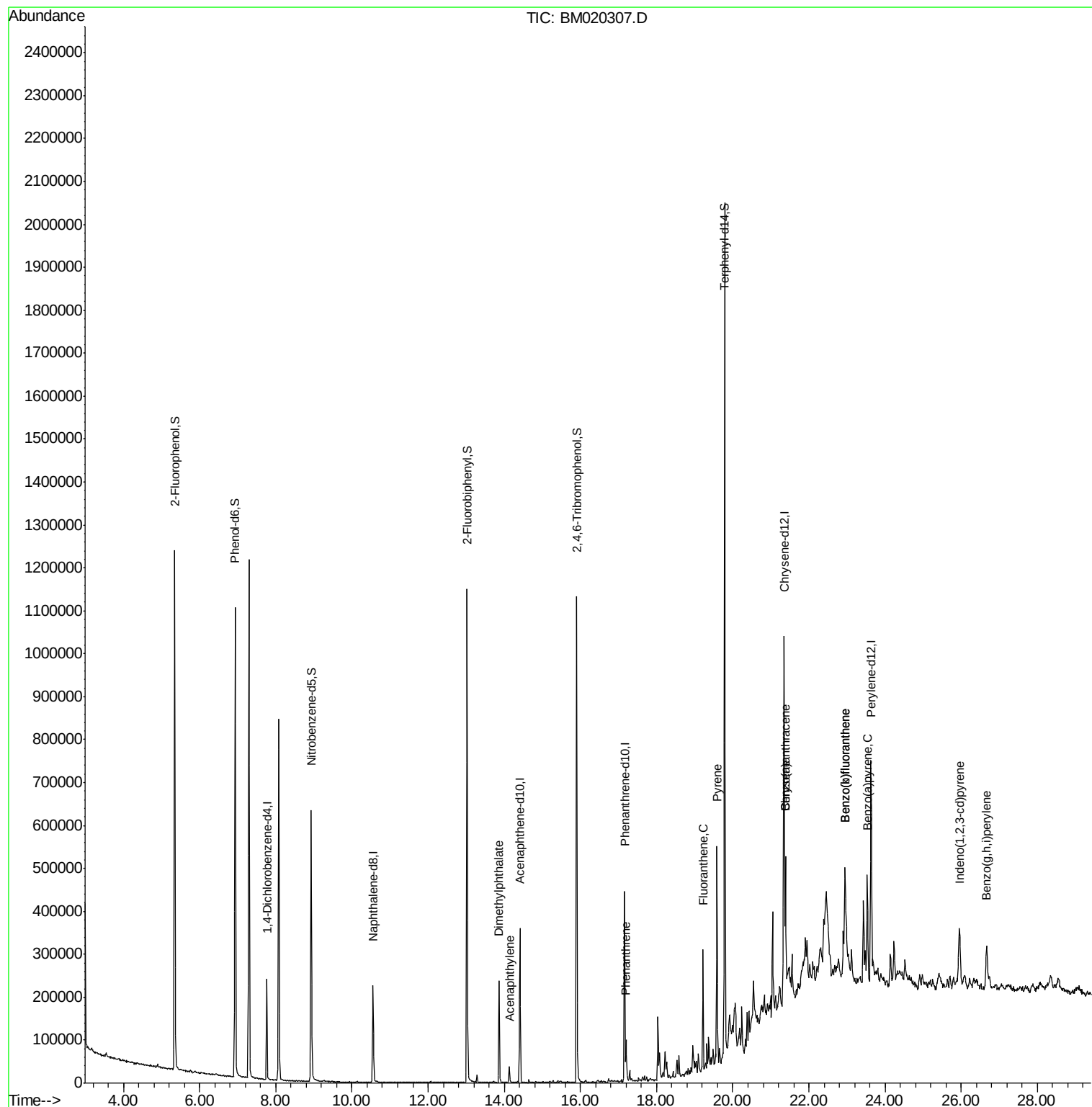
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	59555	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	194758	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	117577	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	273731	20.00	ng	-0.02
76) Chrysene-d12	21.35	240	312966	20.00	ng	-0.02
87) Perylene-d12	23.63	264	385820	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	471832	129.50	ng	-0.02
7) Phenol-d6	6.93	99	625006	125.57	ng	-0.02
23) Nitrobenzene-d5	8.93	82	420167	85.17	ng	-0.03
42) 2,4,6-Tribromophenol	15.90	330	219765	120.42	ng	-0.02
45) 2-Fluorobiphenyl	13.03	172	598095	62.59	ng	-0.03
79) Terphenyl-d14	19.79	244	921241	51.34	ng	-0.02
Target Compounds						
49) Acenaphthylene	14.13	152	31903	2.580	ng	Qvalue 98
50) Dimethylphthalate	13.87	163	152006	15.211	ng	99
71) Phenanthrene	17.20	178	57676	3.817	ng	98
75) Fluoranthene	19.22	202	159136	8.324	ng	99
78) Pyrene	19.59	202	301511	14.349	ng	98
81) Benzo(a)anthracene	21.39	228	158131	7.205	ng	95
83) Chrysene	21.39	228	169716	7.973	ng	98
86) Indeno(1,2,3-cd)pyrene	25.95	276	113020	4.464	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	250782	9.843	ng	# 98
89) Benzo(k)fluoranthene	22.94	252	254058	10.932	ng	# 98
90) Benzo(a)pyrene	23.53	252	155754	6.730	ng	# 97
92) Benzo(g,h,i)perylene	26.67	276	131827	5.770	ng	96

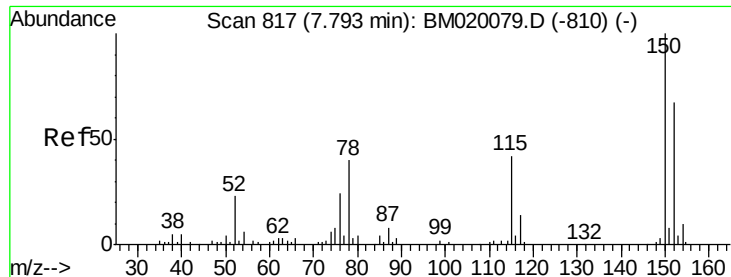
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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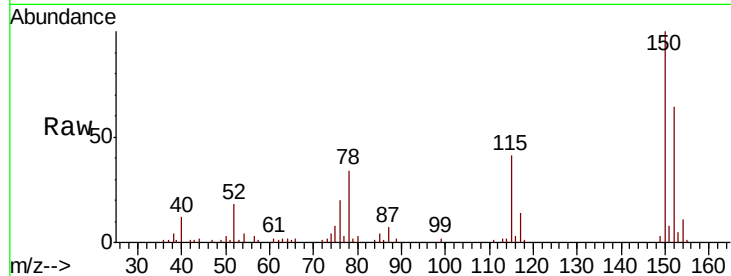


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 812
Delta R.T. -0.03 min
Lab File: BM020307.D
Acq: 12 May 2019 20:18

Instrument :
BNA_M
ClientSampleId :
P026-SS016-0612-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	119.8	179.8
115	63.3	50.8	76.2

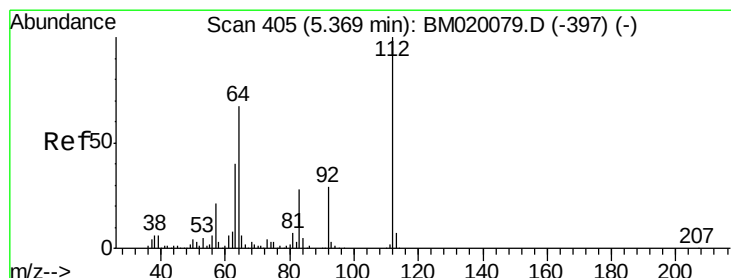
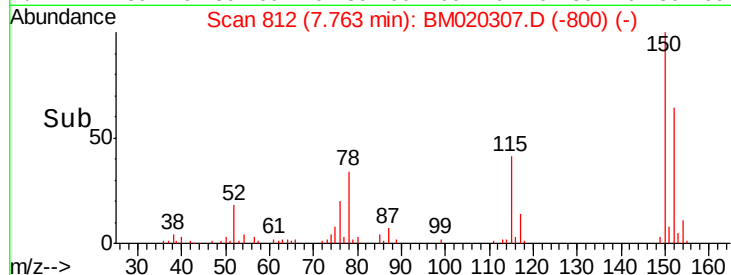
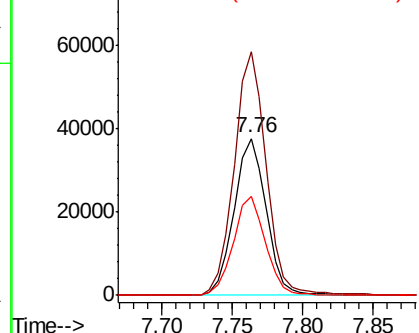


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

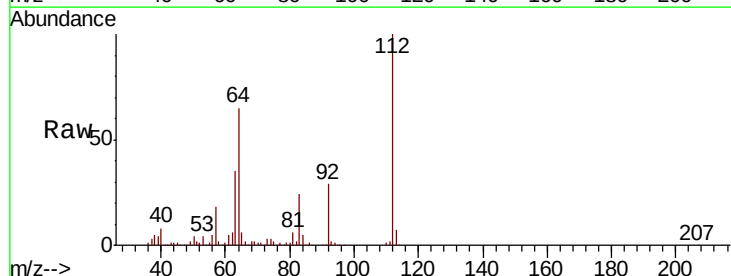
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.503 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020307.D
Acq: 12 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.8	80.6
63	35.1	32.3	48.5

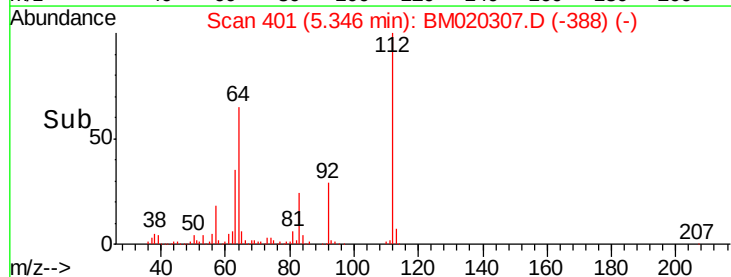
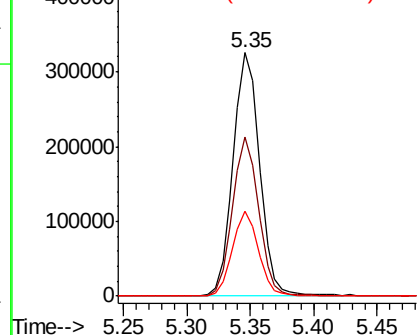


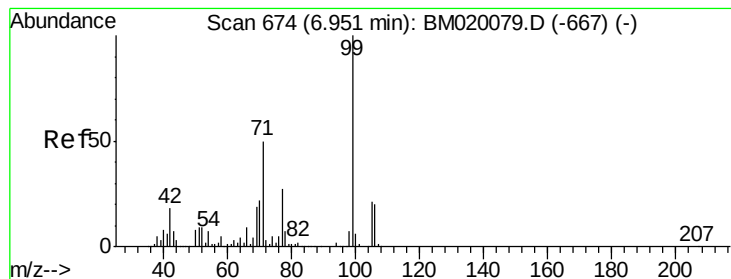
Abundance

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: 125.568 ng

RT: 6.93 min Scan# 671

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Instrument :

BNA_M

ClientSampleId :

P026-SS016-0612-01

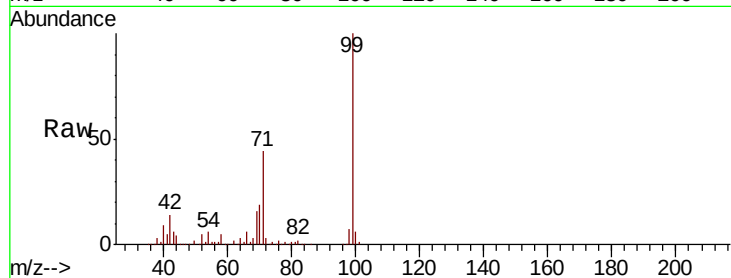
Tgt Ion: 99 Resp: 625006

Ion Ratio Lower Upper

99 100

42 13.8 14.2 21.2#

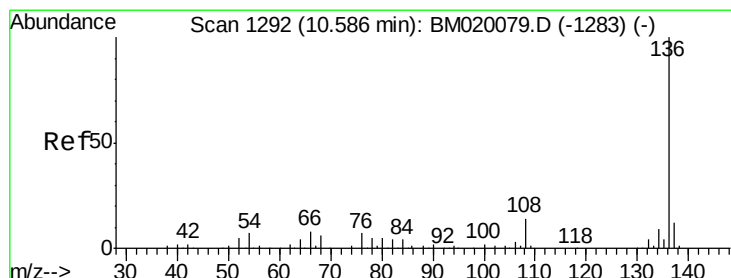
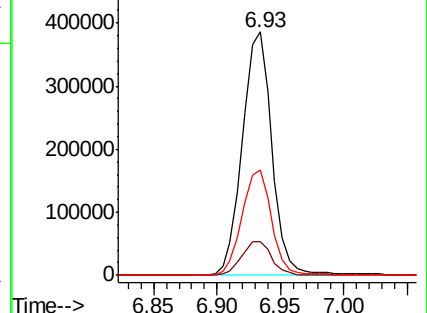
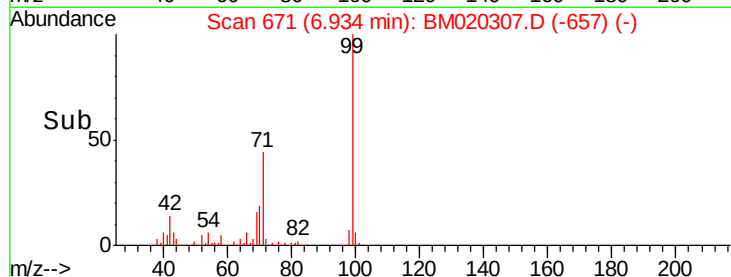
71 43.5 40.3 60.5



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: 10.56 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Tgt Ion: 136 Resp: 194758

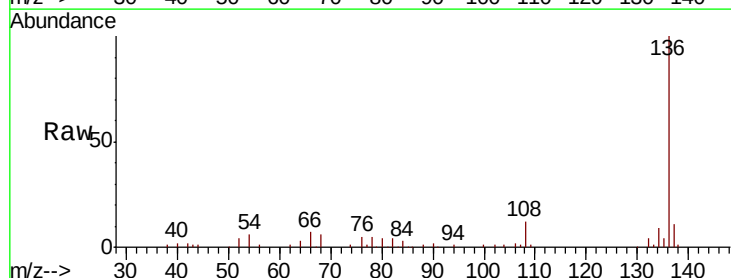
Ion Ratio Lower Upper

136 100

137 11.2 9.6 14.4

54 6.1 5.5 8.3

68 5.8 4.6 6.8

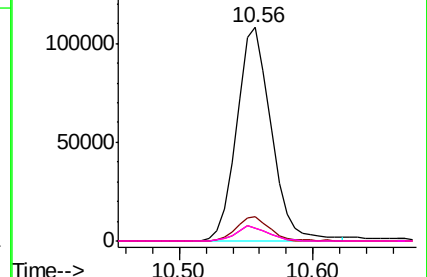
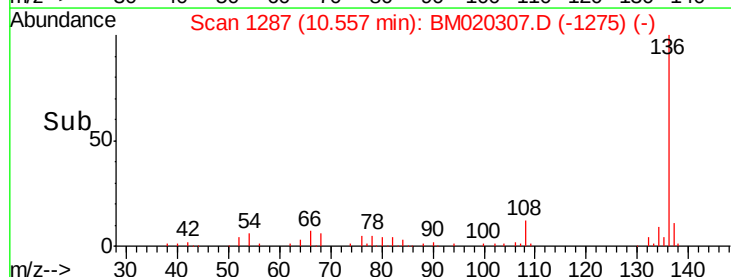


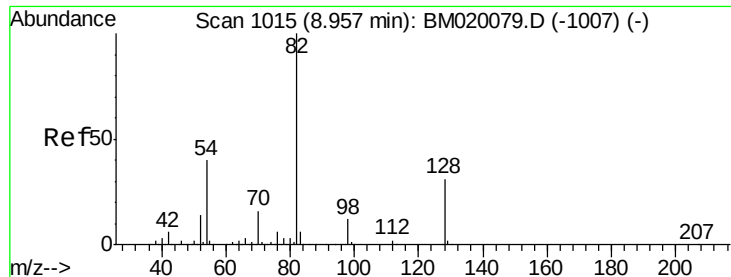
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

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: 85.174 ng

RT: 8.93 min Scan# 1010

Delta R.T. -0.03 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Instrument :

BNA_M

ClientSampleId :

P026-SS016-0612-01

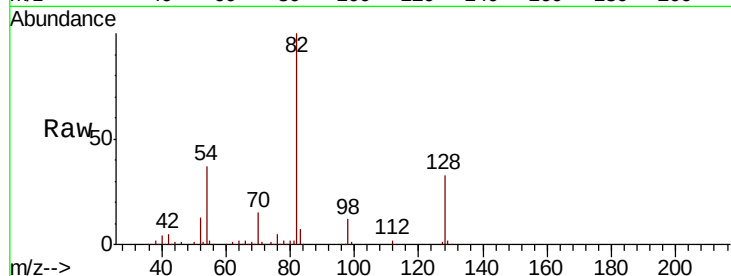
Tgt Ion: 82 Resp: 420167

Ion Ratio Lower Upper

82 100

128 33.1 25.2 37.8

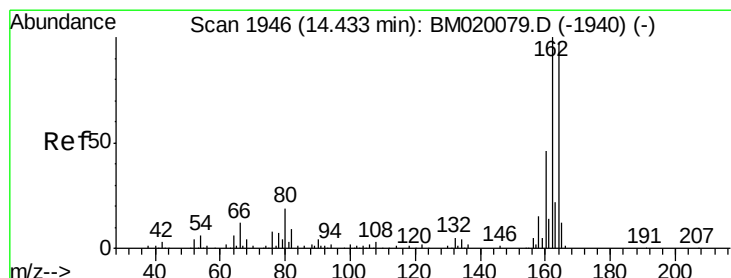
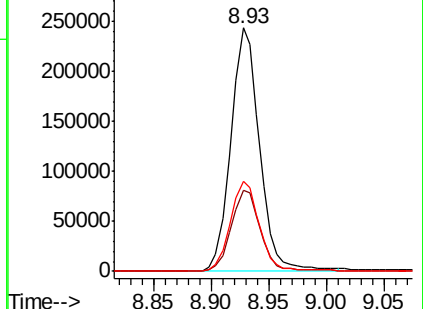
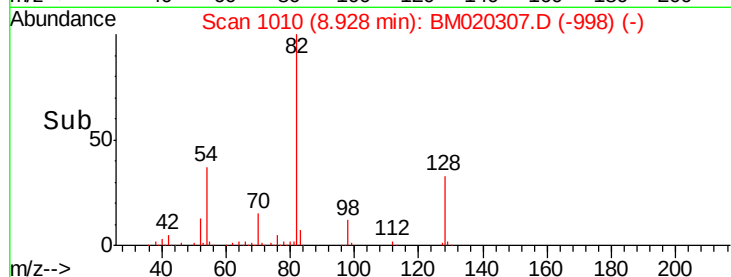
54 36.8 31.9 47.9



Abundance Ion 82.00 (81.70 to 82.70): BM020307.D (-1929) (-)

Ion 128.00 (127.70 to 128.70): BM020307.D (-1929) (-)

Ion 54.00 (53.70 to 54.70): BM020307.D (-1929) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.41 min Scan# 1942

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

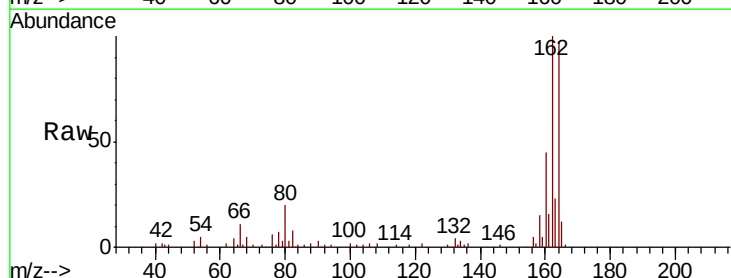
Tgt Ion: 164 Resp: 117577

Ion Ratio Lower Upper

164 100

162 103.4 82.2 123.2

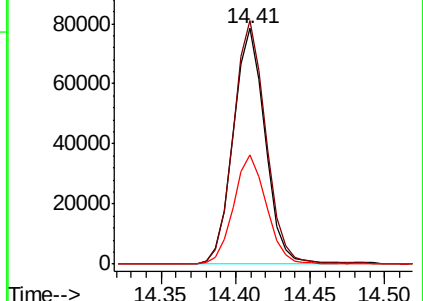
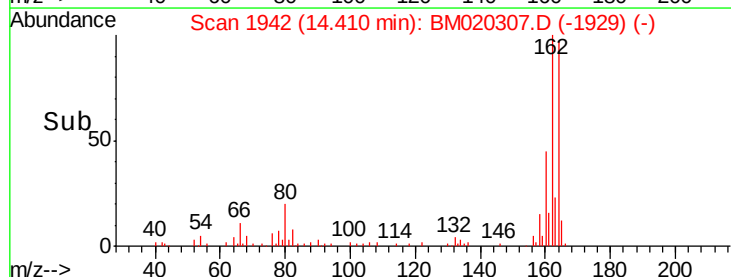
160 46.4 37.6 56.4

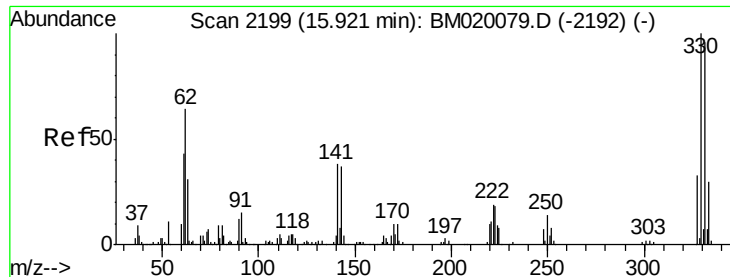


Abundance Ion 164.00 (163.70 to 164.70): BM020307.D (-1929) (-)

Ion 162.00 (161.70 to 162.70): BM020307.D (-1929) (-)

Ion 160.00 (159.70 to 160.70): BM020307.D (-1929) (-)

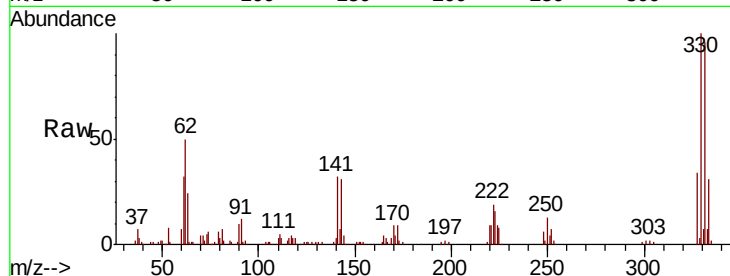




#42
 2,4,6-Tribromophenol
 Concen: 120.418 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020307.D
 Acq: 12 May 2019 20:18

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS016-0612-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.8	115.2
141	33.1	29.2	43.8

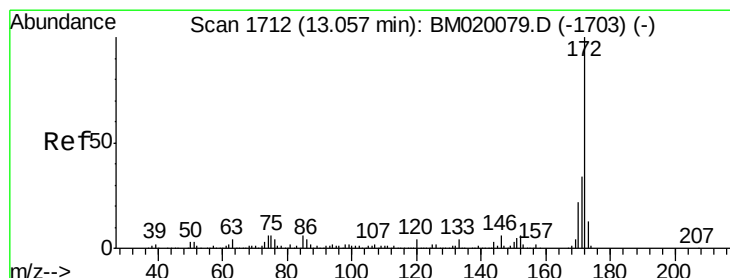
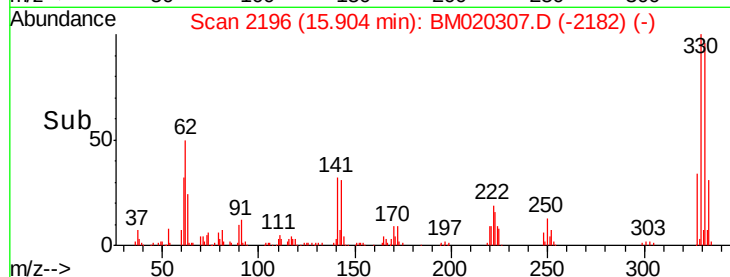
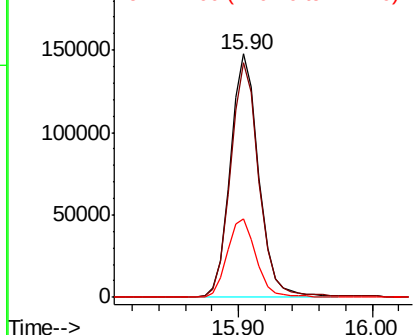


Abundance

Ion 329.80 (329.50 to 330.50): E

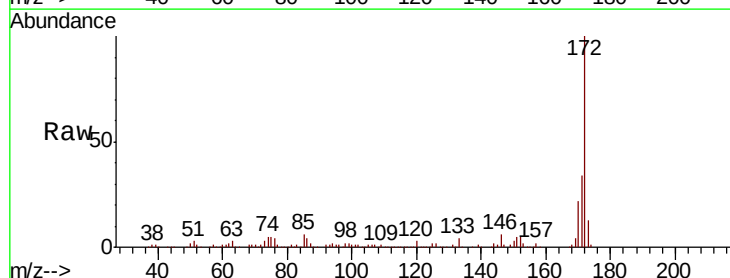
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.587 ng
 RT: 13.03 min Scan# 1707
 Delta R.T. -0.03 min
 Lab File: BM020307.D
 Acq: 12 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.3	40.9
170	22.2	17.9	26.9

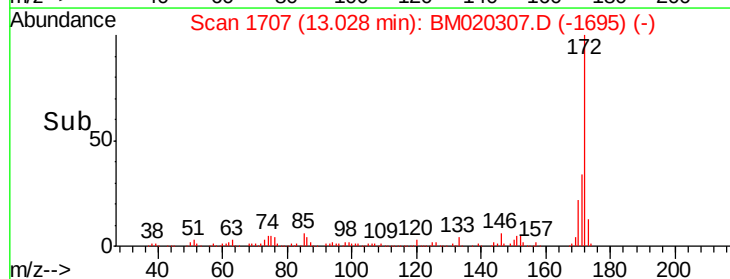
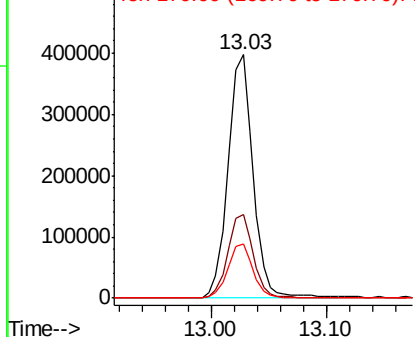


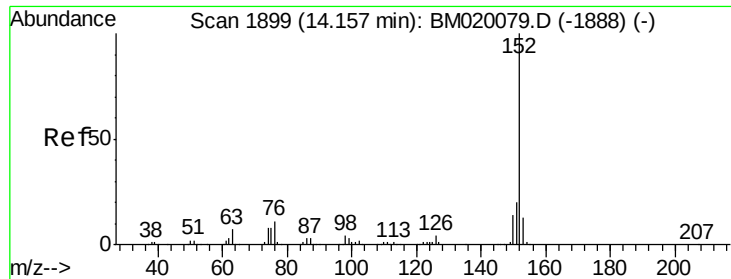
Abundance

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





#49

Acenaphthylene

Concen: 2.580 ng

RT: 14.13 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Instrument :

BNA_M

ClientSampleId :

P026-SS016-0612-01

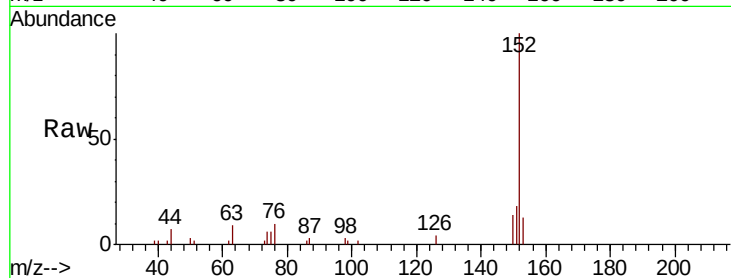
Tgt Ion:152 Resp: 31903

Ion Ratio Lower Upper

152 100

151 18.4 16.2 24.2

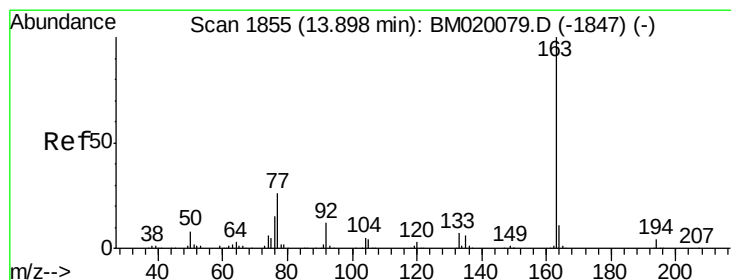
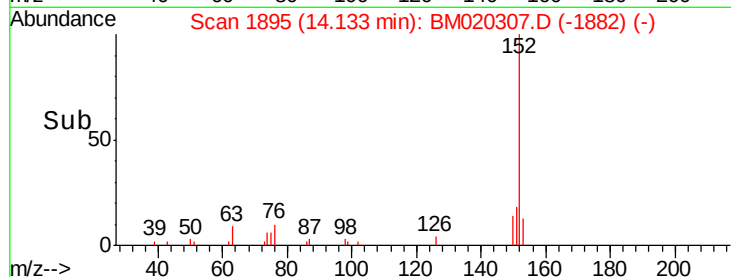
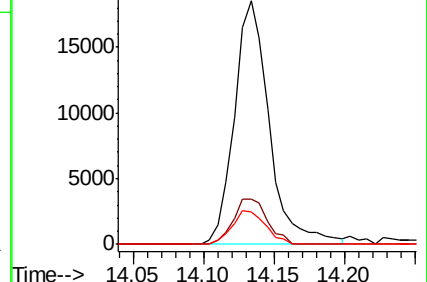
153 13.4 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 15.211 ng

RT: 13.87 min Scan# 1850

Delta R.T. -0.03 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

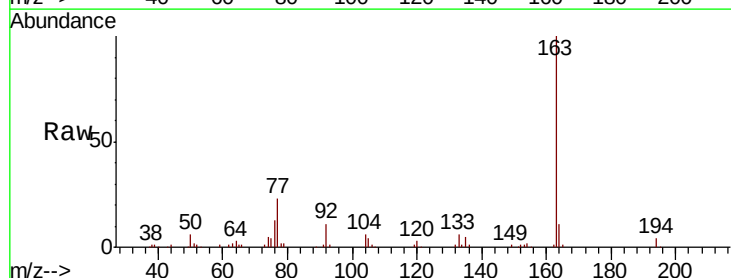
Tgt Ion:163 Resp: 152006

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

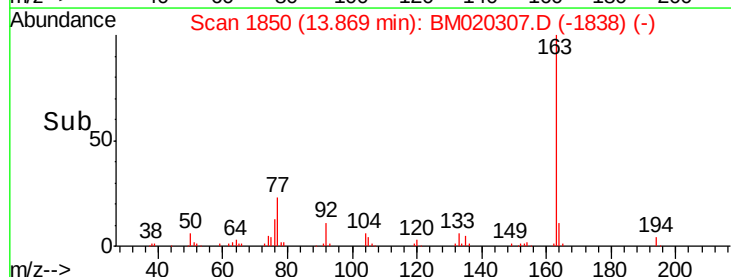
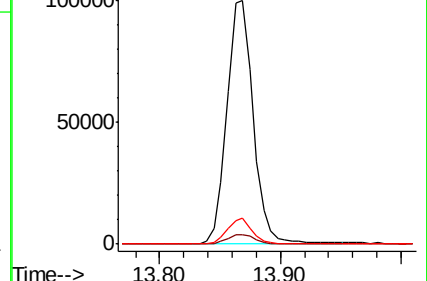
164 10.7 8.4 12.6

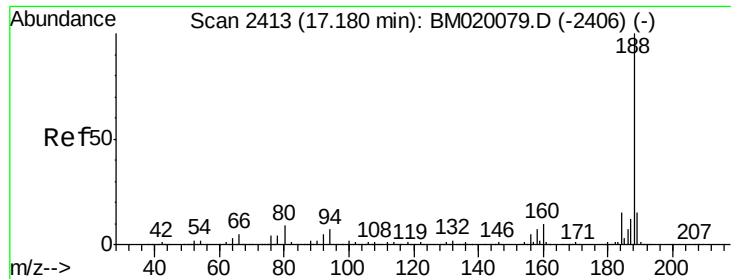


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

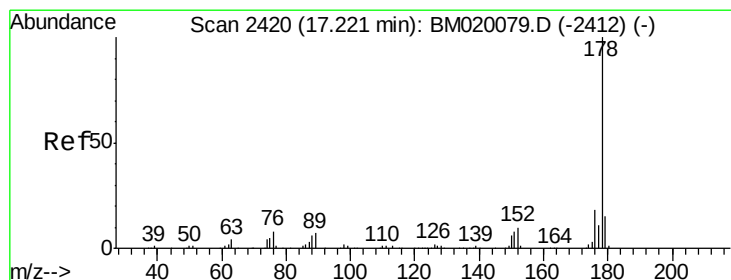
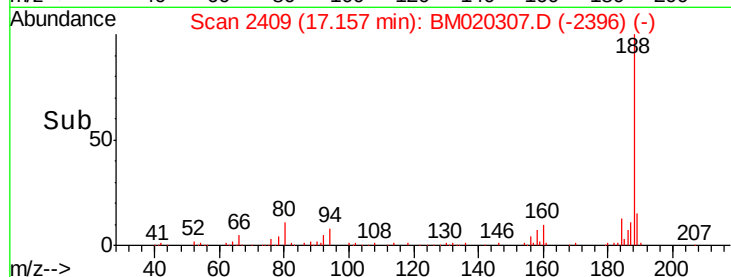
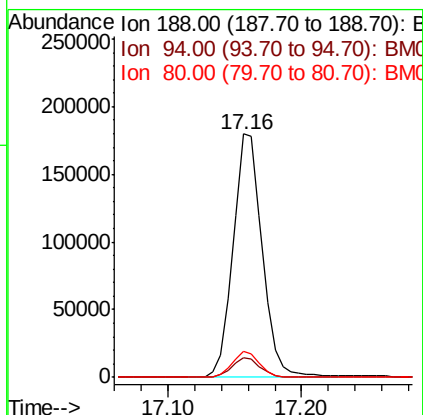
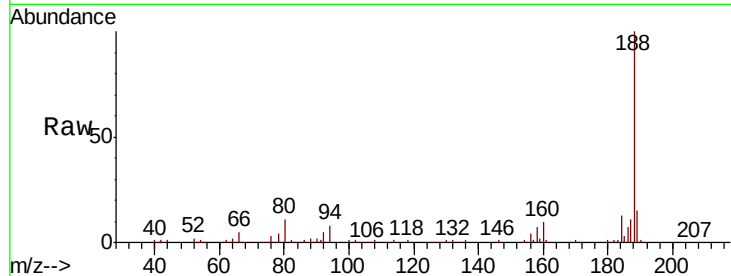




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.16 min Scan# 2409
 Delta R.T. -0.02 min
 Lab File: BM020307.D
 Acq: 12 May 2019 20:18

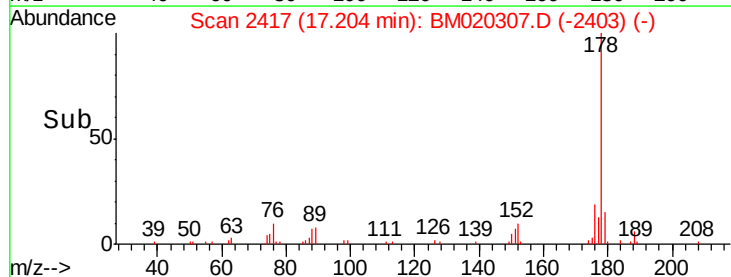
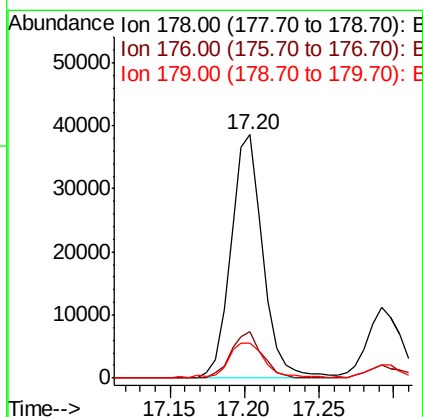
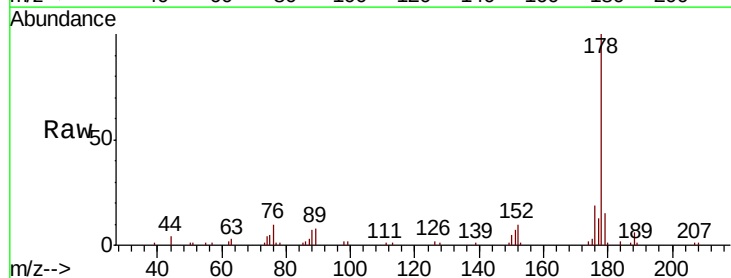
Instrument :
 BNA_M
 ClientSampleId :
 P026-SS016-0612-01

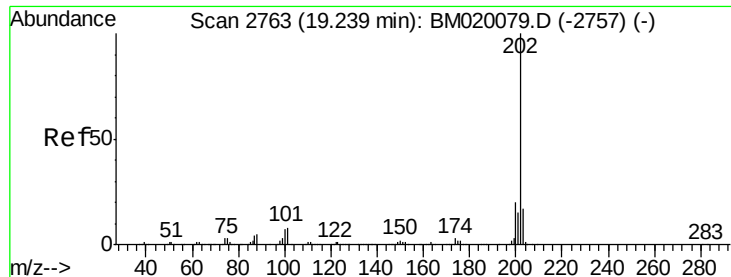
Tgt Ion:188 Resp: 273731
 Ion Ratio Lower Upper
 188 100
 94 8.0 5.8 8.6
 80 10.5 7.4 11.2



#71
 Phenanthrene
 Concen: 3.817 ng
 RT: 17.20 min Scan# 2417
 Delta R.T. -0.02 min
 Lab File: BM020307.D
 Acq: 12 May 2019 20:18

Tgt Ion:178 Resp: 57676
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 21.8
 179 14.6 12.4 18.6





#75

Fluoranthene

Concen: 8.324 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Instrument :

BNA_M

ClientSampleId :

P026-SS016-0612-01

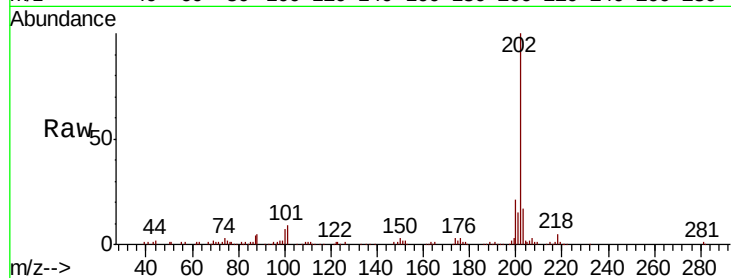
Tgt Ion:202 Resp: 159136

Ion Ratio Lower Upper

202 100

101 9.3 0.0 28.4

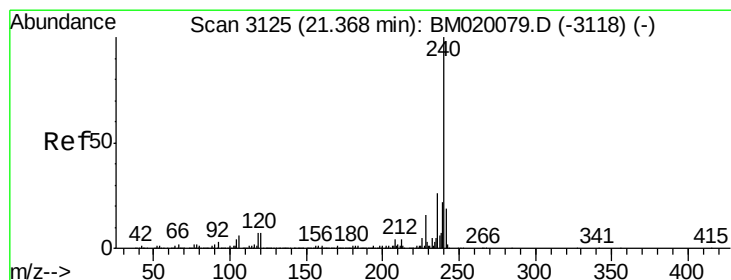
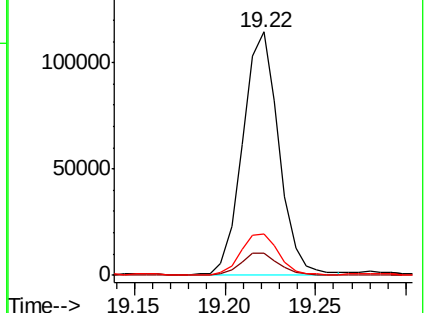
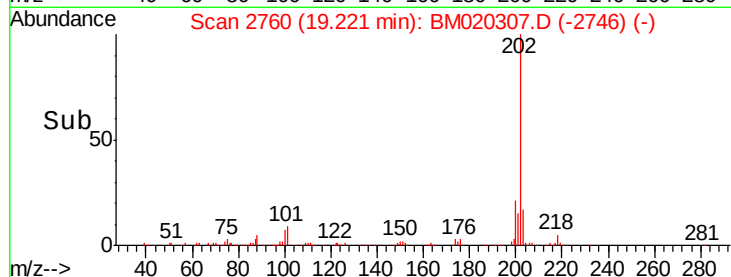
203 17.3 0.0 37.4



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: 21.35 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

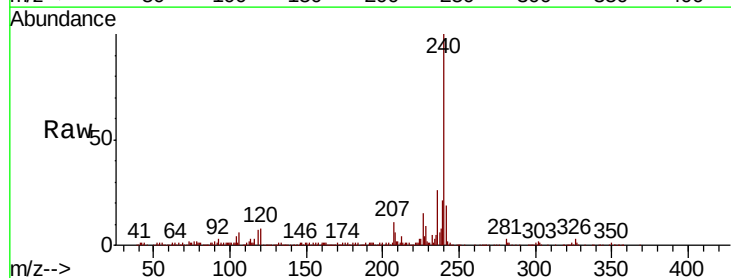
Tgt Ion:240 Resp: 312966

Ion Ratio Lower Upper

240 100

120 7.8 5.6 8.4

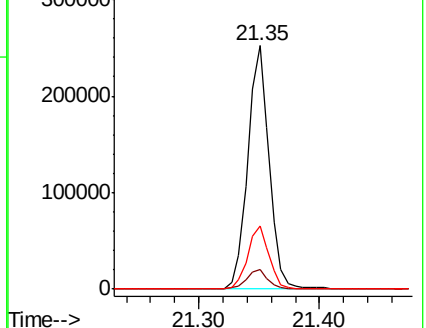
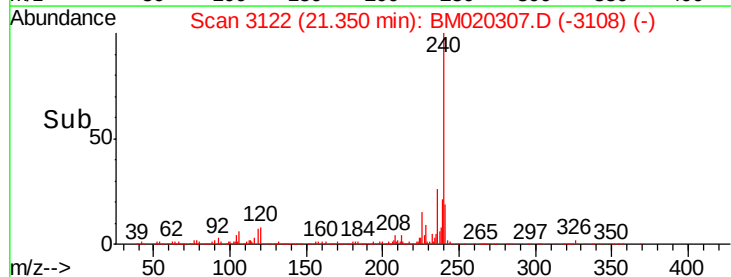
236 25.8 20.9 31.3

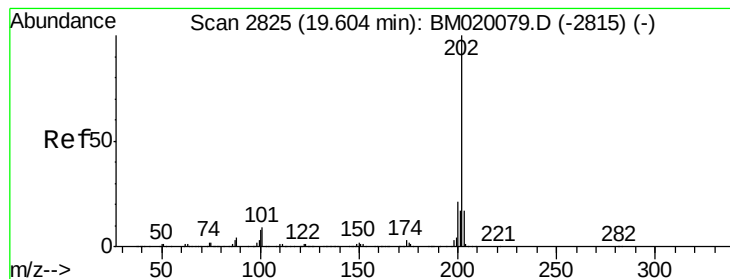


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 14.349 ng

RT: 19.59 min Scan# 2822

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Instrument :

BNA_M

ClientSampleId :

P026-SS016-0612-01

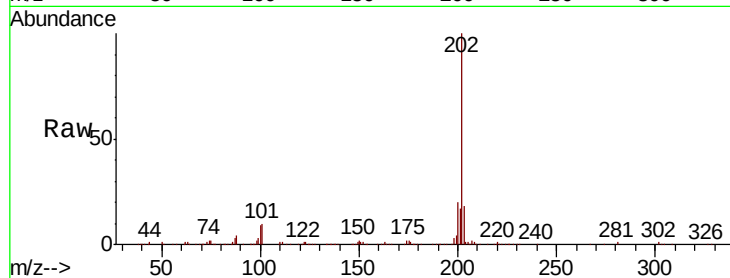
Tgt Ion:202 Resp: 301511

Ion Ratio Lower Upper

202 100

200 19.5 16.5 24.7

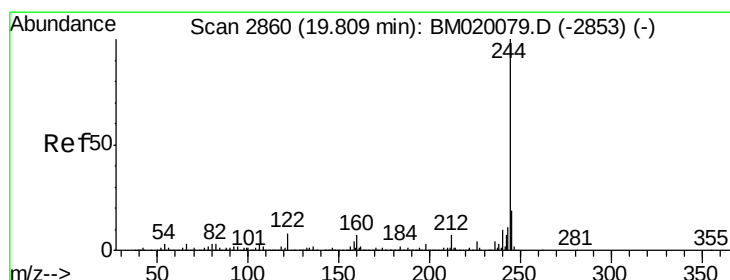
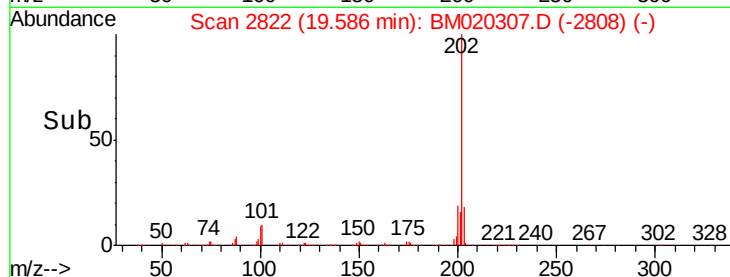
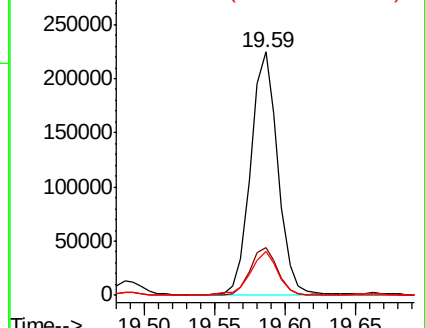
203 17.9 13.9 20.9



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: 51.343 ng

RT: 19.79 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

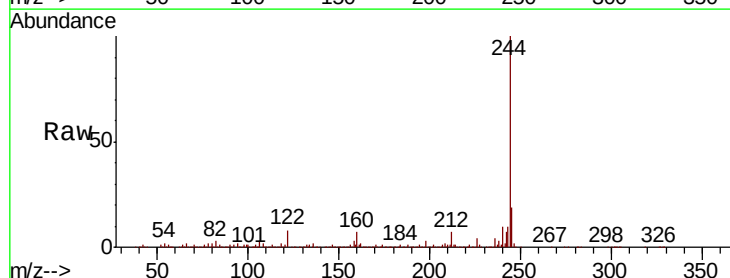
Tgt Ion:244 Resp: 921241

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

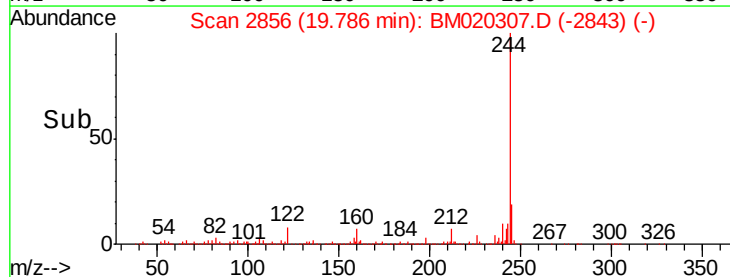
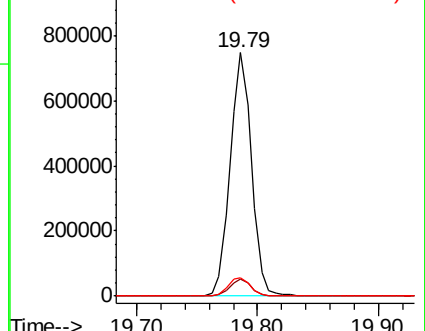
122 7.5 6.2 9.2

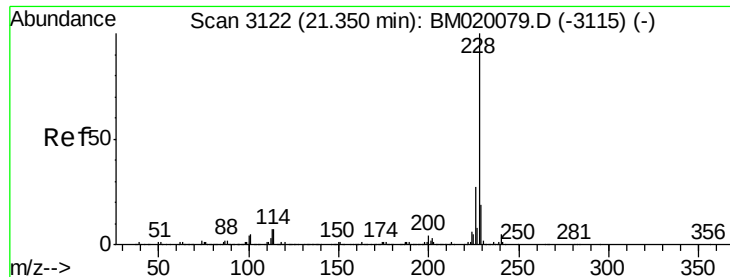


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

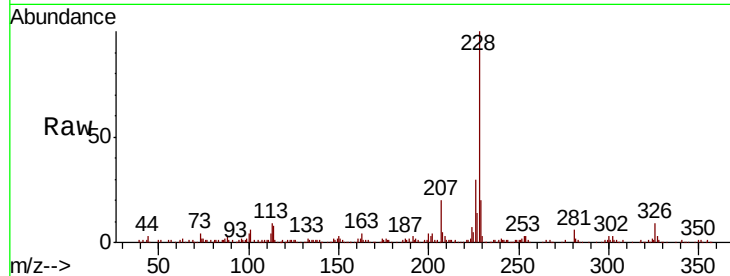




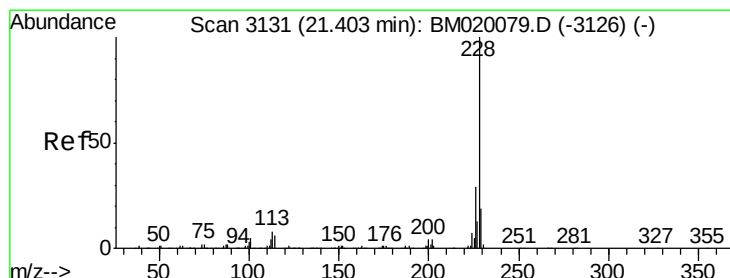
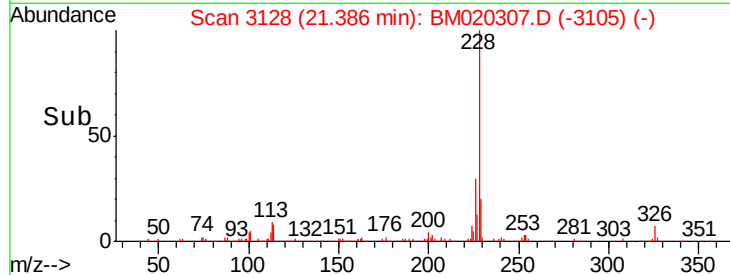
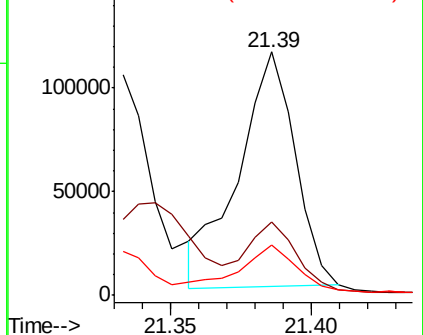
#81
Benzo(a)anthracene
Concen: 7.205 ng
RT: 21.39 min Scan# 3128
Delta R.T. 0.04 min
Lab File: BM020307.D
Acq: 12 May 2019 20:18

Instrument :
BNA_M
ClientSampleId :
P026-SS016-0612-01

Tgt Ion: 228 Resp: 158131
Ion Ratio Lower Upper
228 100
226 30.2 21.3 31.9
229 20.5 15.5 23.3

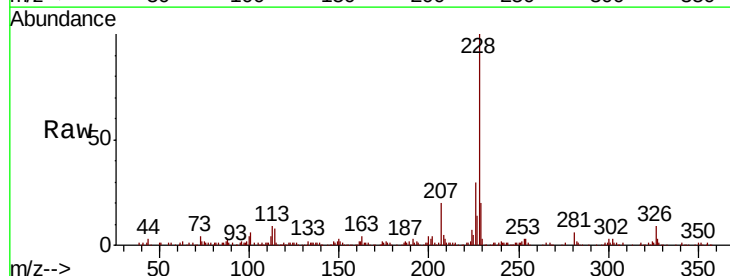


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

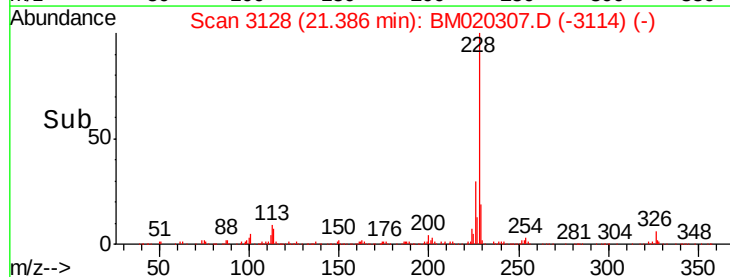
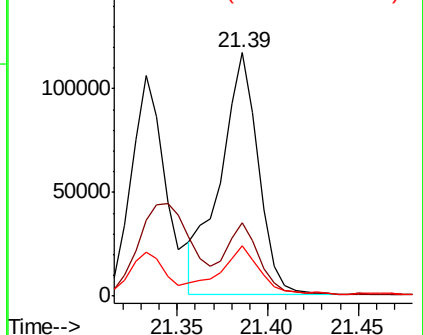


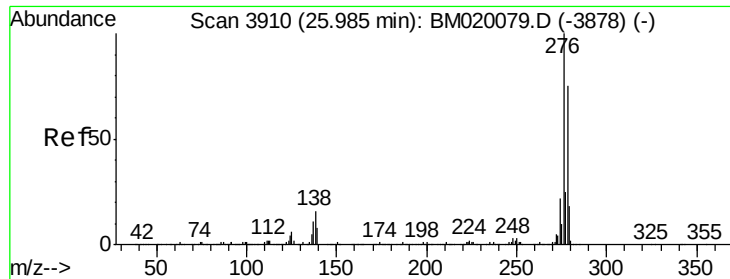
#83
Chrysene
Concen: 7.973 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BM020307.D
Acq: 12 May 2019 20:18

Tgt Ion: 228 Resp: 169716
Ion Ratio Lower Upper
228 100
226 30.2 23.0 34.6
229 20.5 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: 4.464 ng

RT: 25.95 min Scan# 3904

Delta R.T. -0.04 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Instrument :

BNA_M

ClientSampleId :

P026-SS016-0612-01

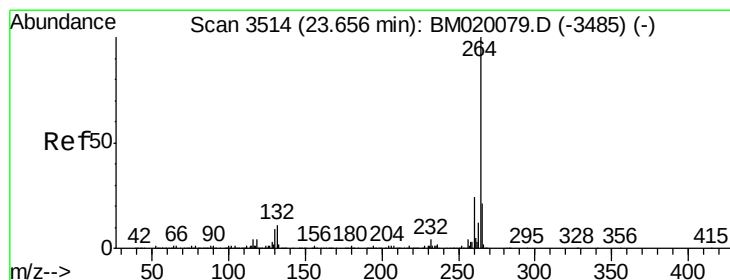
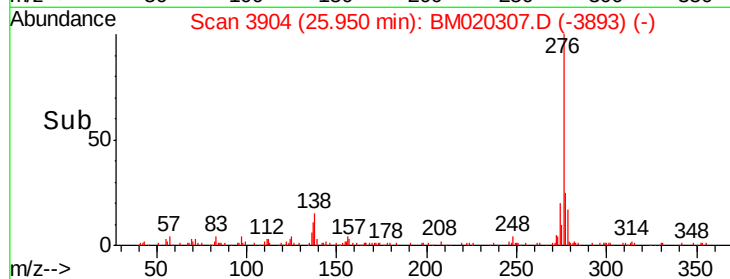
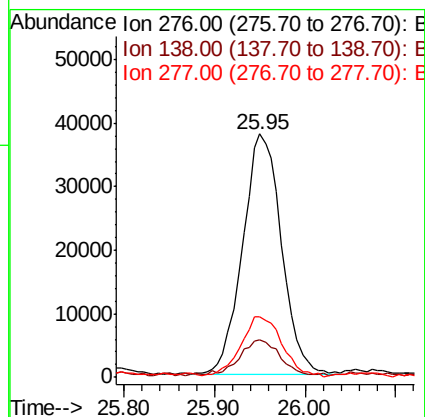
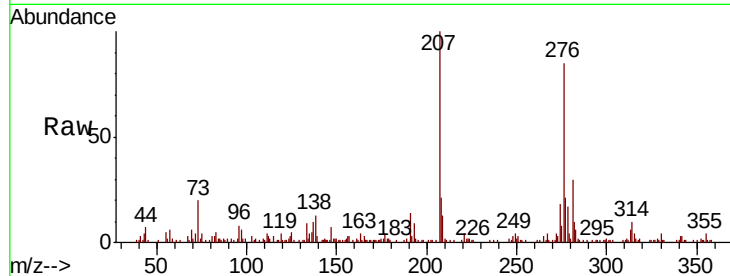
Tgt Ion: 276 Resp: 113020

Ion Ratio Lower Upper

276 100

138 14.6 0.0 0.0#

277 27.1 0.0 0.0#



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.63 min Scan# 3510

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

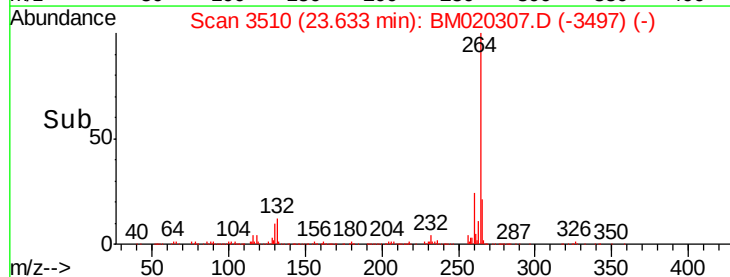
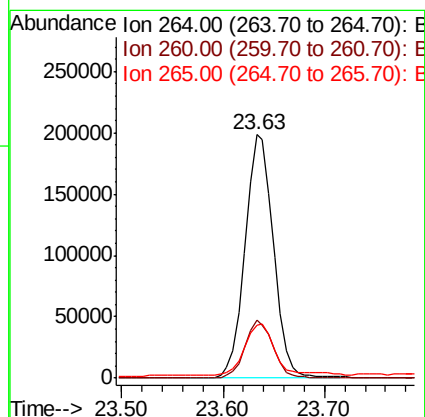
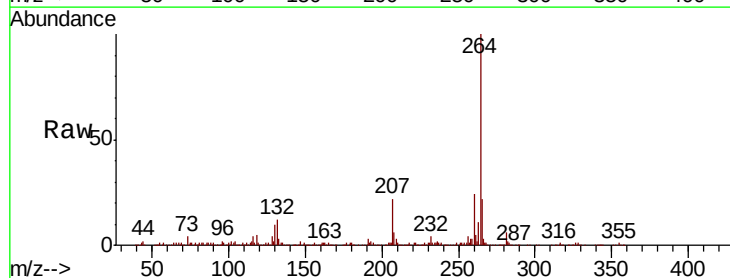
Tgt Ion: 264 Resp: 385820

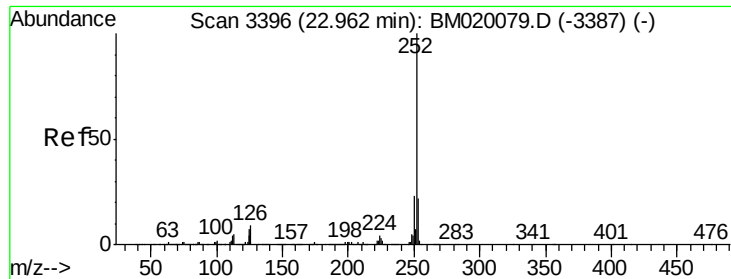
Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.7 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 9.843 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

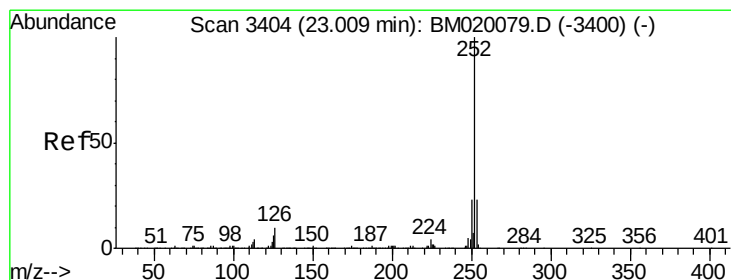
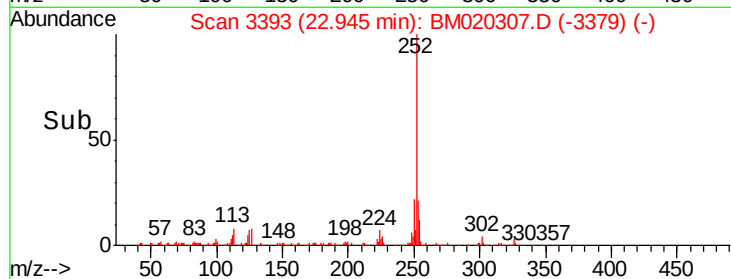
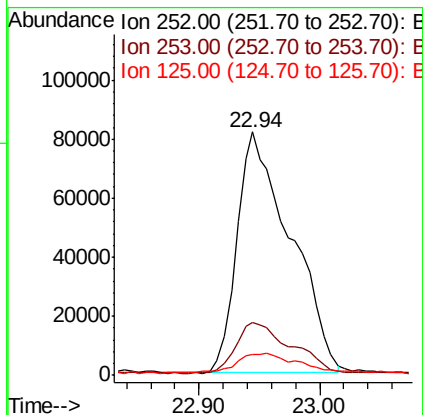
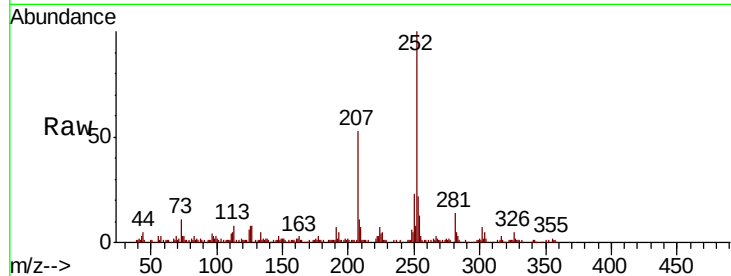
Instrument :

BNA_M

ClientSampleId :

P026-SS016-0612-01

Tgt Ion:	252	Resp:	250782
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	8.4	5.4	8.2#



#89

Benzo(k)fluoranthene

Concen: 10.932 ng

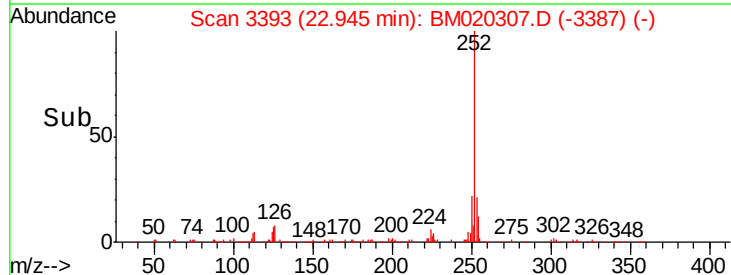
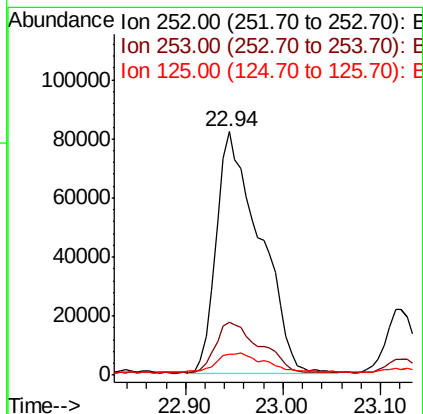
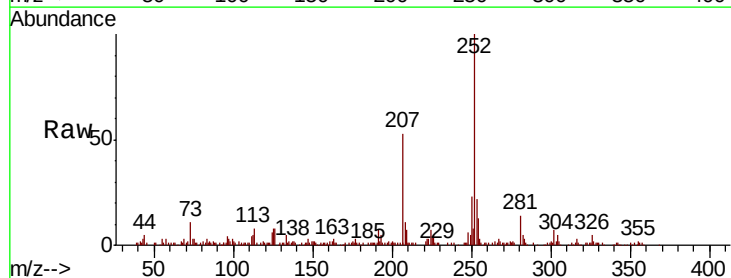
RT: 22.94 min Scan# 3393

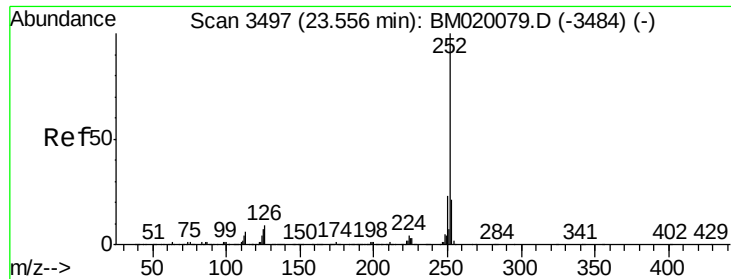
Delta R.T. -0.06 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Tgt Ion:	252	Resp:	254058
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.8	26.8
125	8.4	5.4	8.0#





#90

Benzo(a)pyrene

Concen: 6.730 ng

RT: 23.53 min Scan# 3493

Delta R.T. -0.02 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

Instrument :

BNA_M

ClientSampleId :

P026-SS016-0612-01

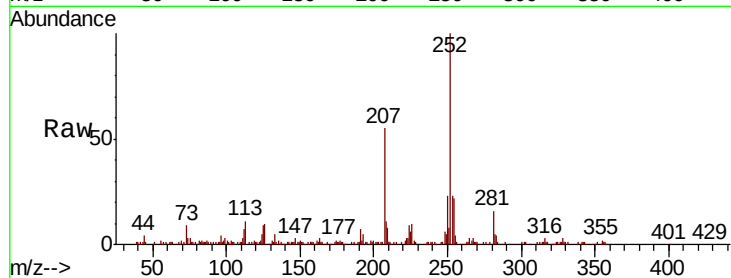
Tgt Ion:252 Resp: 155754

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 8.7 5.5 8.3#

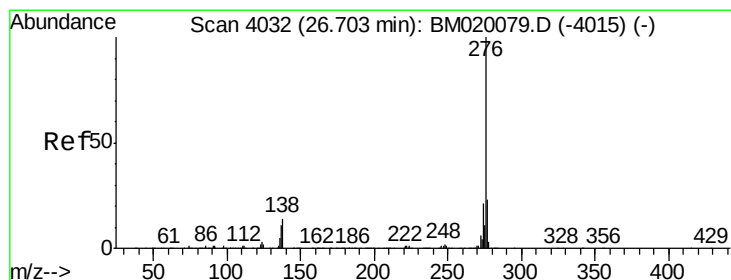
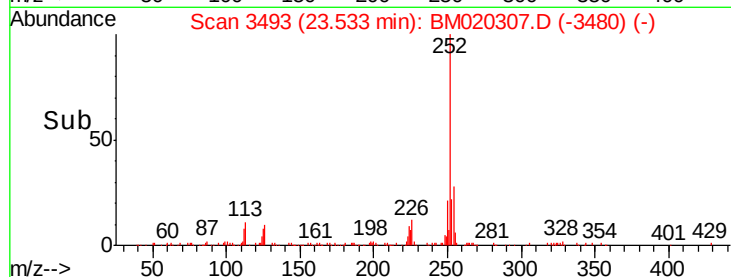
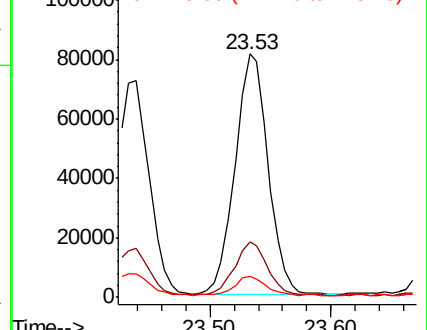


Abundance

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: 5.770 ng

RT: 26.67 min Scan# 4026

Delta R.T. -0.04 min

Lab File: BM020307.D

Acq: 12 May 2019 20:18

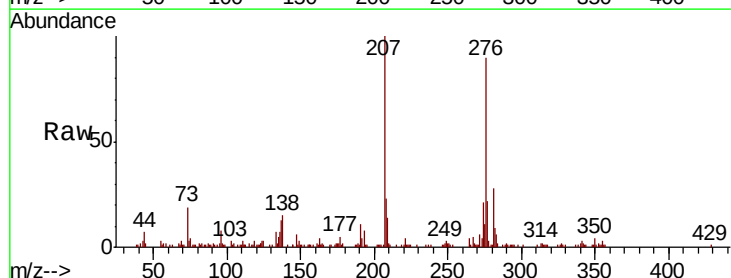
Tgt Ion:276 Resp: 131827

Ion Ratio Lower Upper

276 100

277 24.6 18.4 27.6

138 16.4 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

