

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
 Data File : BM027178.D
 Acq On : 21 Aug 2020 20:16
 Operator : JU/CG
 Sample : L3720-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-BD-0-2-COMP

Quant Time: Aug 22 05:30:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 21 15:18:25 2020
 Response via : Initial Calibration

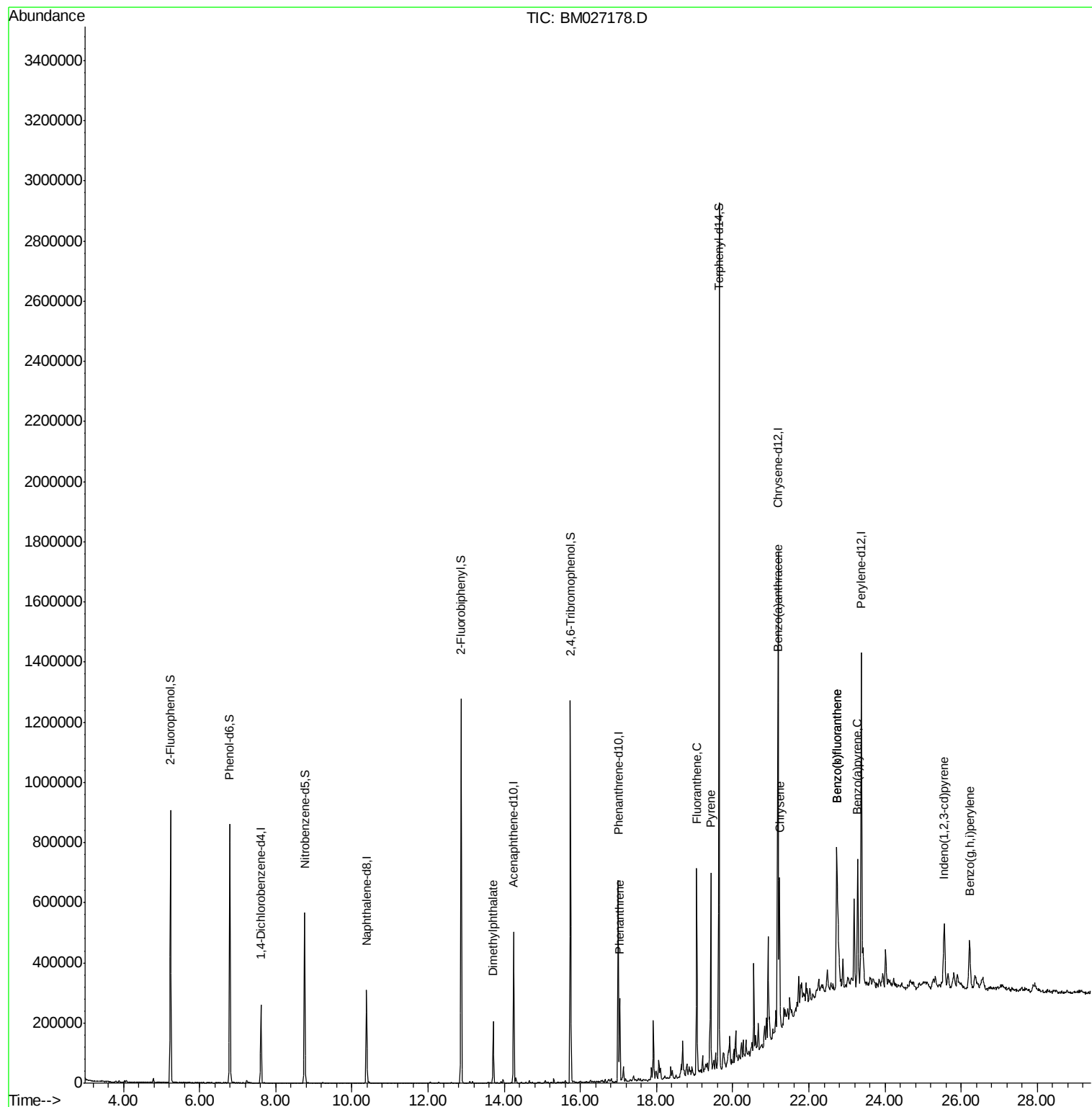
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	60578	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	221055	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	151956	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	367391	20.00	ng	0.00
76) Chrysene-d12	21.19	240	629635	20.00	ng	0.00
86) Perylene-d12	23.38	264	770799	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	295308	95.03	ng	0.00
7) Phenol-d6	6.79	99	378229	88.65	ng	0.00
23) Nitrobenzene-d5	8.76	82	321585	60.02	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	190014	77.22	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	563624	48.72	ng	0.00
79) Terphenyl-d14	19.64	244	1139873	33.82	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.71	163	112359	9.108	ng	98
71) Phenanthrene	17.03	178	149190	7.305	ng	99
75) Fluoranthene	19.06	202	377917	14.813	ng	99
78) Pyrene	19.42	202	380816	9.940	ng	100
81) Benzo(a)anthracene	21.17	228	292032	7.158	ng	97
83) Chrysene	21.23	228	266054	6.714	ng	98
87) Indeno(1,2,3-cd)pyrene	25.55	276	193484	3.207	ng	99
88) Benzo(b)fluoranthene	22.73	252	535193	10.412	ng	98
89) Benzo(k)fluoranthene	22.73	252	535193	10.635	ng	97
90) Benzo(a)pyrene	23.28	252	306752	6.537	ng	98
92) Benzo(g,h,i)perylene	26.22	276	192652	3.983	ng	100

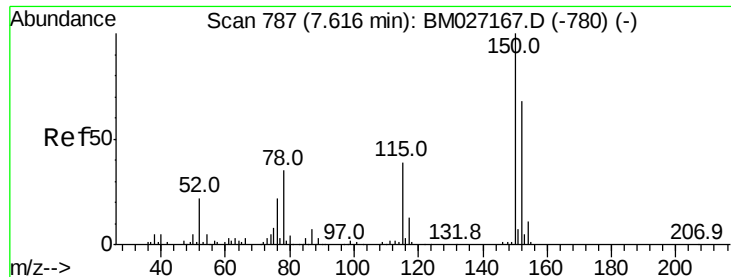
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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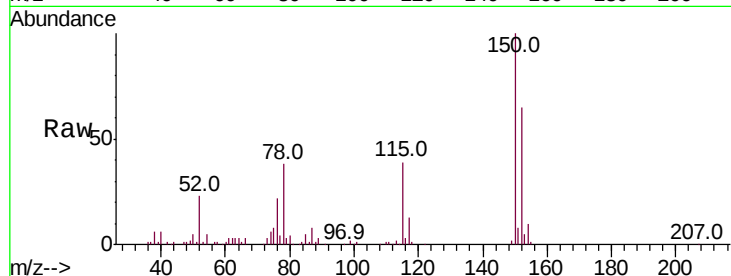


#1

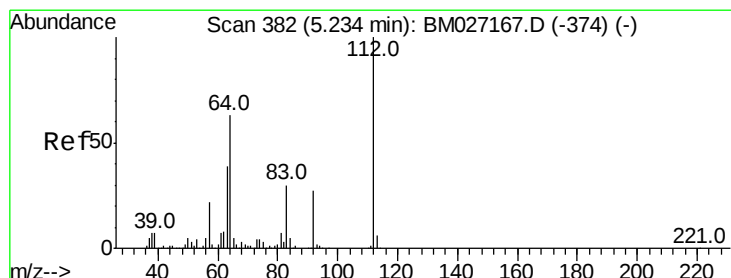
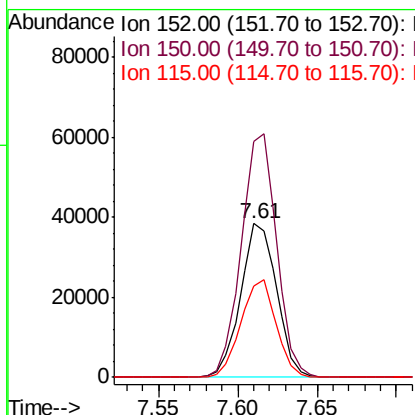
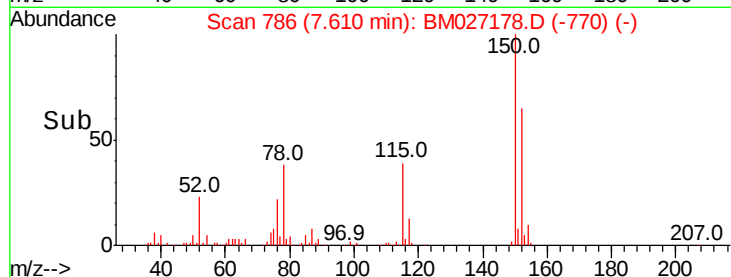
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 786
Delta R.T. -0.01 min
Lab File: BM027178.D
Acq: 21 Aug 2020 20:16

Instrument :
BNA_M
ClientSampleId :
MP-081920-BD-0-2-COMP

Tot Ion:152 Resp: 60578
Ion Ratio Lower Upper
152 100
150 153.7 118.2 177.4
115 59.8 46.1 69.1



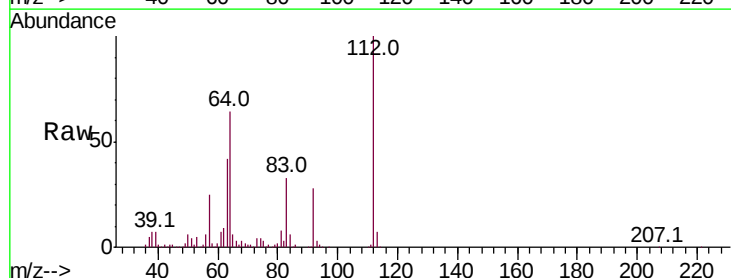
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



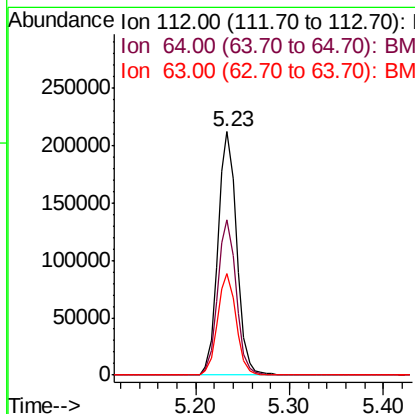
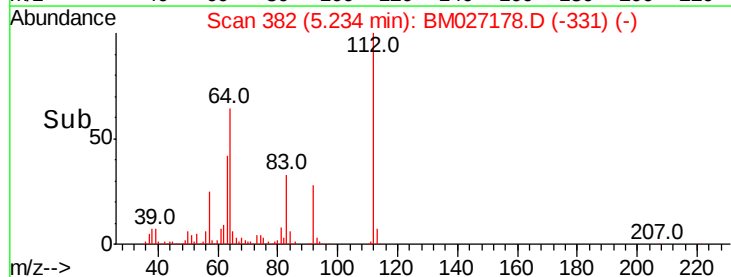
#5

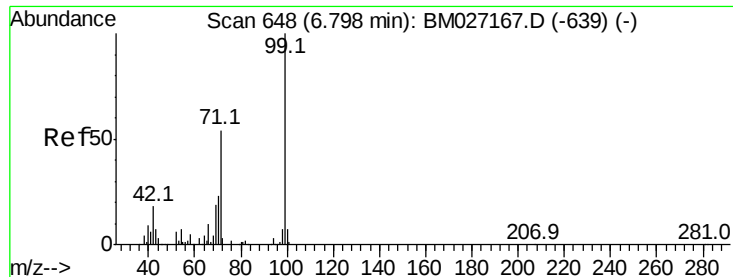
2-Fluorophenol
Concen: 95.033 ng
RT: 5.23 min Scan# 382
Delta R.T. 0.00 min
Lab File: BM027178.D
Acq: 21 Aug 2020 20:16

Tgt Ion:112 Resp: 295308
Ion Ratio Lower Upper
112 100
64 63.7 50.0 75.0
63 41.6 31.6 47.4



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: 88.650 ng

RT: 6.79 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

Instrument :

BNA_M

ClientSampleId :

MP-081920-BD-0-2-COMP

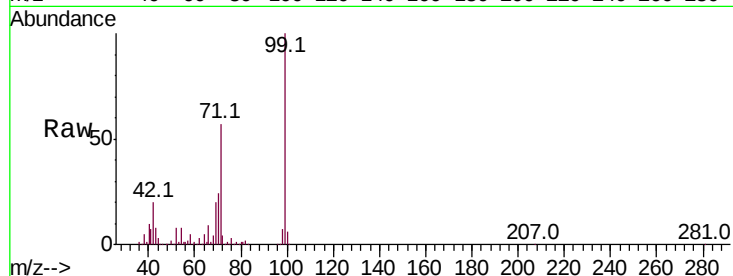
Tot Ion: 99 Resp: 378229

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

71 56.9 43.0 64.4



Abundance Ion 99.00 (98.70 to 99.70): BM027167.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM027167.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM027167.D (-639) (-)

300000

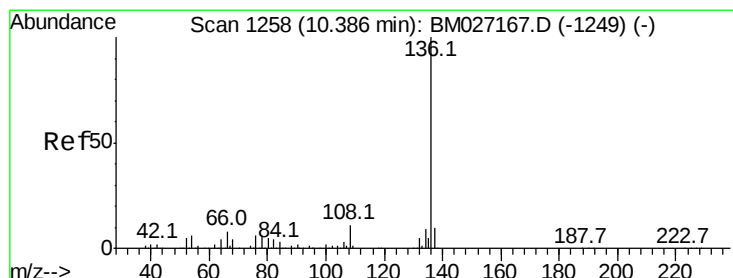
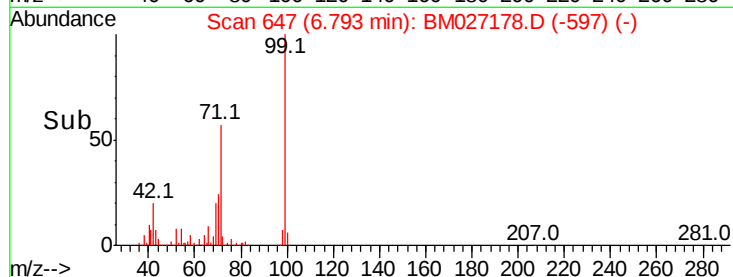
200000

100000

0

6.79

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.39 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

Tgt Ion: 136 Resp: 221055

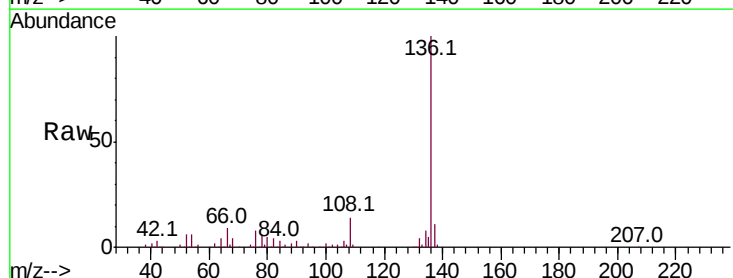
Ion Ratio Lower Upper

136 100

137 10.6 8.2 12.4

54 6.2 4.8 7.2

68 3.8 3.5 5.3



Abundance Ion 136.00 (135.70 to 136.70): BM027167.D (-1249) (-)

Ion 137.00 (136.70 to 137.70): BM027167.D (-1249) (-)

Ion 54.00 (53.70 to 54.70): BM027167.D (-1249) (-)

Ion 68.00 (67.70 to 68.70): BM027167.D (-1249) (-)

200000

150000

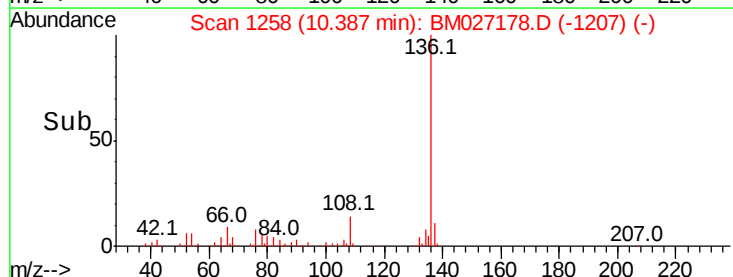
100000

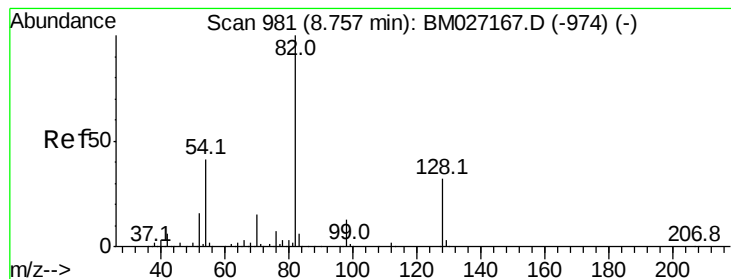
50000

0

10.39

Time-->





#23

Nitrobenzene-d5

Concen: 60.020 ng

RT: 8.76 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

Instrument :

BNA_M

ClientSampleId :

MP-081920-BD-0-2-COMP

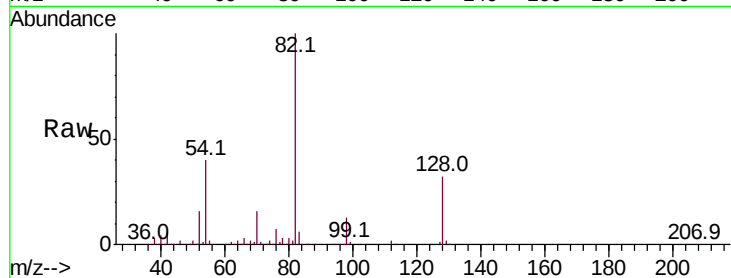
Tot Ion: 82 Resp: 321585

Ion Ratio Lower Upper

82 100

128 32.0 25.7 38.5

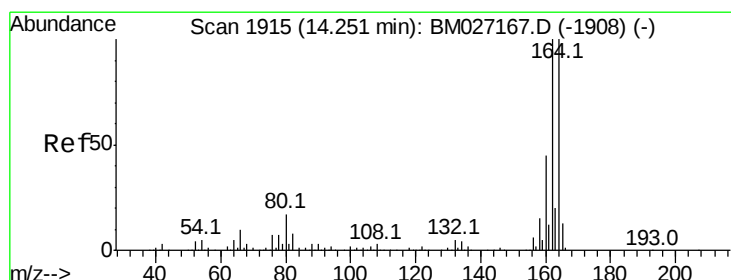
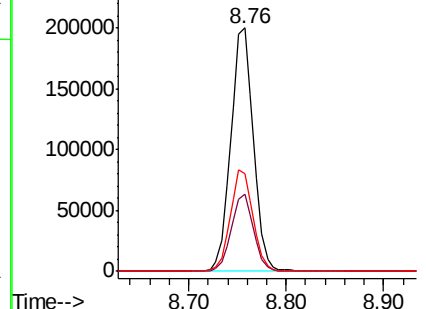
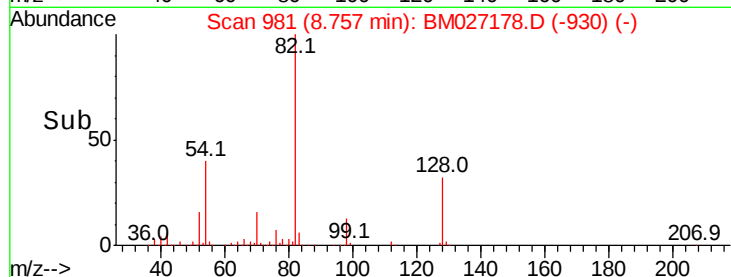
54 40.3 33.0 49.4



Abundance Ion 82.00 (81.70 to 82.70): BM027167.D (-974) (-)

Ion 128.00 (127.70 to 128.70): BM027167.D (-974) (-)

Ion 54.00 (53.70 to 54.70): BM027167.D (-974) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

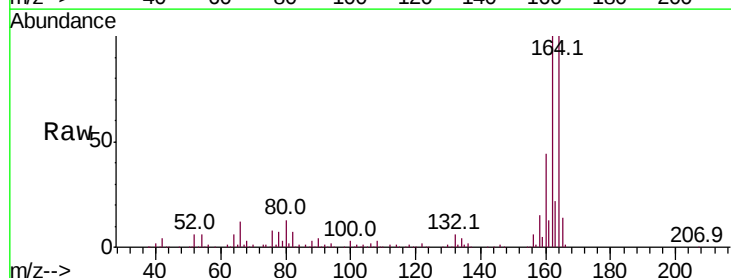
Tgt Ion: 164 Resp: 151956

Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.4

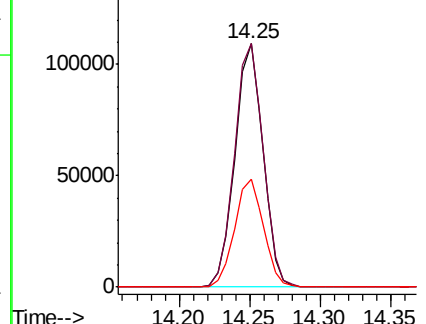
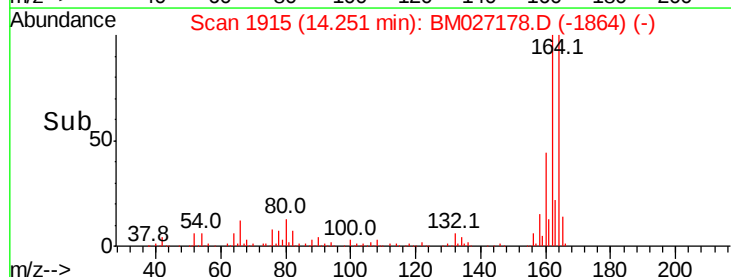
160 44.3 36.3 54.5

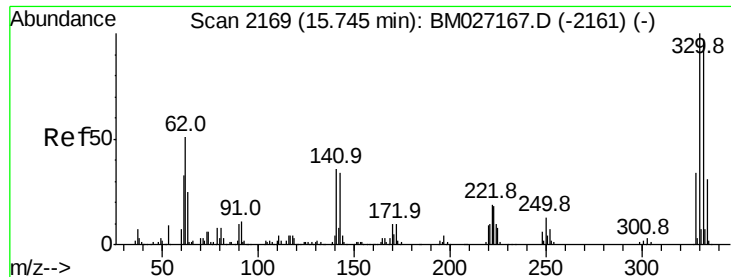


Abundance Ion 164.00 (163.70 to 164.70): BM027167.D (-1908) (-)

Ion 162.00 (161.70 to 162.70): BM027167.D (-1908) (-)

Ion 160.00 (159.70 to 160.70): BM027167.D (-1908) (-)

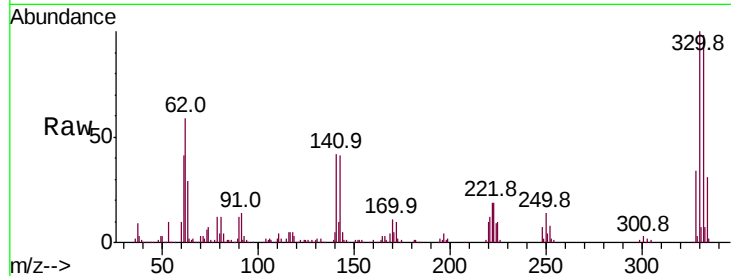




#42
 2,4,6-Tribromophenol
 Concen: 77.221 ng
 RT: 15.74 min Scan# 2168
 Delta R.T. -0.01 min
 Lab File: BM027178.D
 Acq: 21 Aug 2020 20:16

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-BD-0-2-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.2	115.8
141	40.7	31.0	46.6

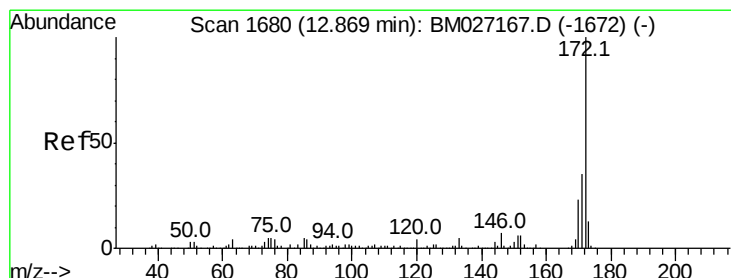
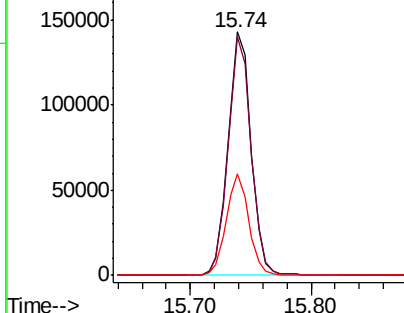
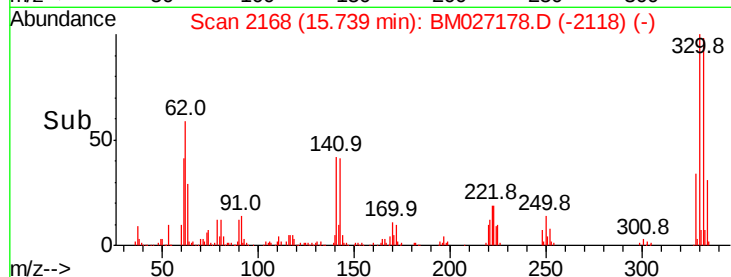


Abundance

Ion 329.80 (329.50 to 330.50): E

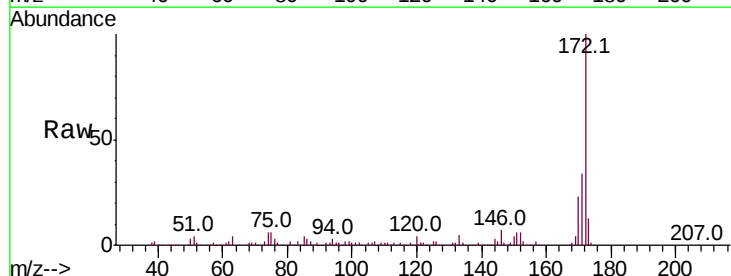
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 48.724 ng
 RT: 12.87 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: BM027178.D
 Acq: 21 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.1	42.1
170	23.2	18.6	28.0

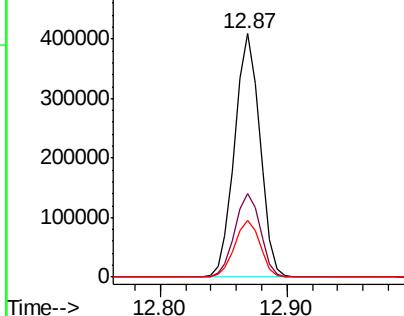
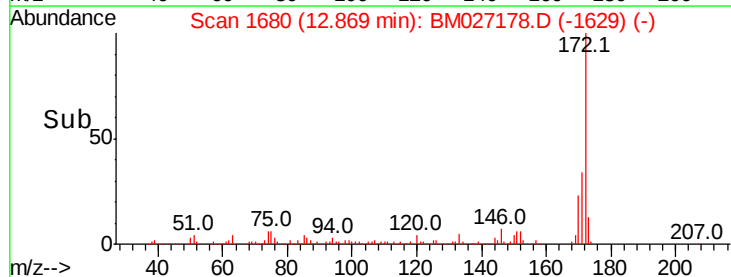


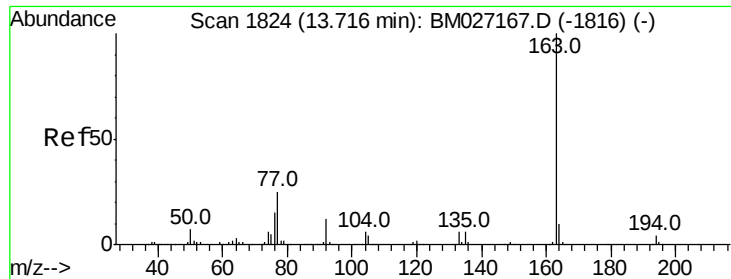
Abundance

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: 9.108 ng

RT: 13.71 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

Instrument :

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ClientSampleId :

MP-081920-BD-0-2-COMP

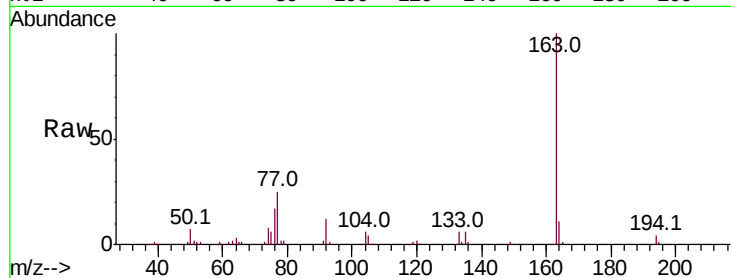
Tot Ion:163 Resp: 112359

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

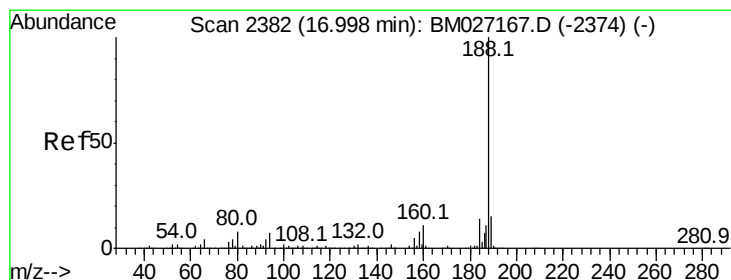
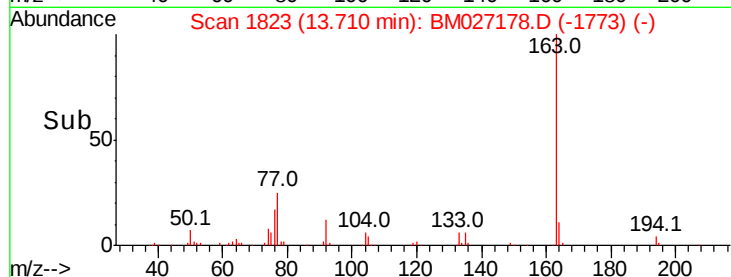
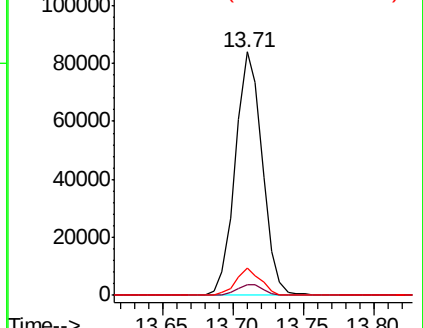
164 11.1 8.2 12.2



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: 16.99 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

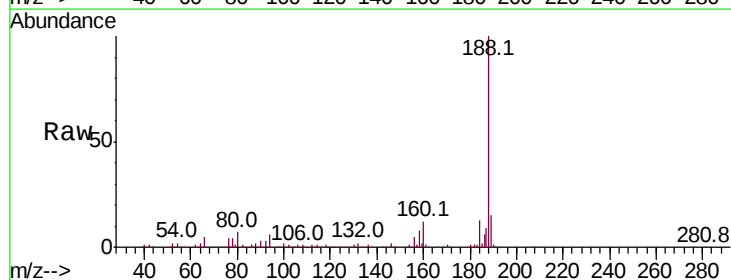
Tgt Ion:188 Resp: 367391

Ion Ratio Lower Upper

188 100

94 5.7 5.5 8.3

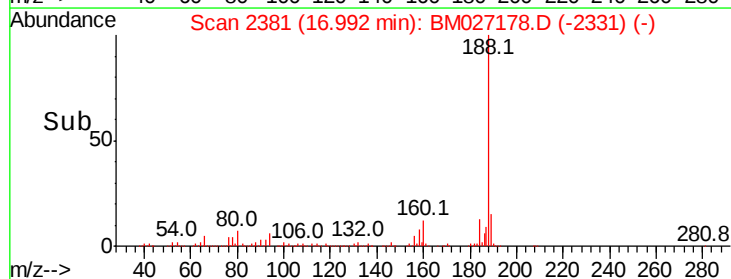
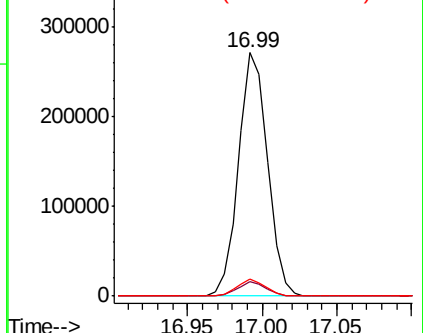
80 6.9 6.2 9.4

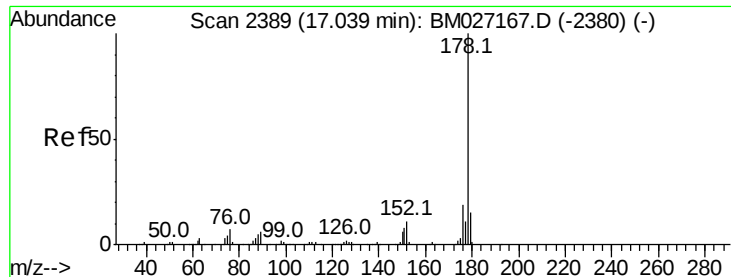


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

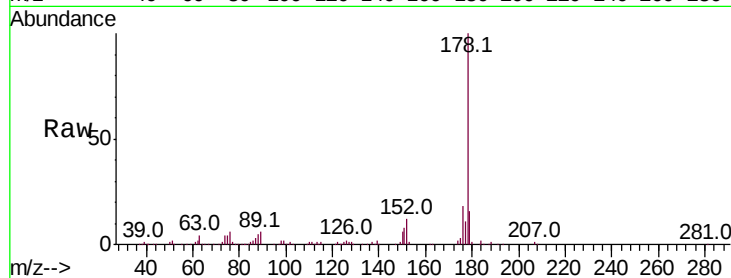




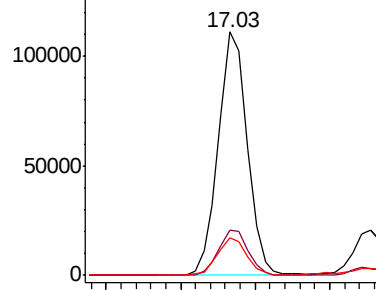
#71
Phenanthrene
Concen: 7.305 ng
RT: 17.03 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BM027178.D
Acq: 21 Aug 2020 20:16

Instrument :
BNA_M
ClientSampleId :
MP-081920-BD-0-2-COMP

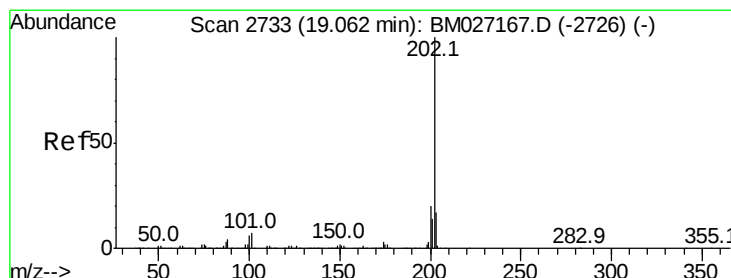
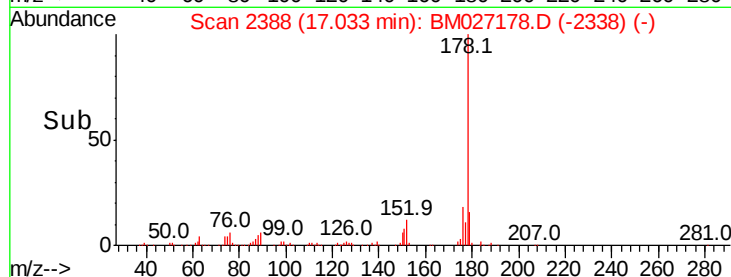
Tot Ion:178 Resp: 149190
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 15.6 12.0 18.0



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

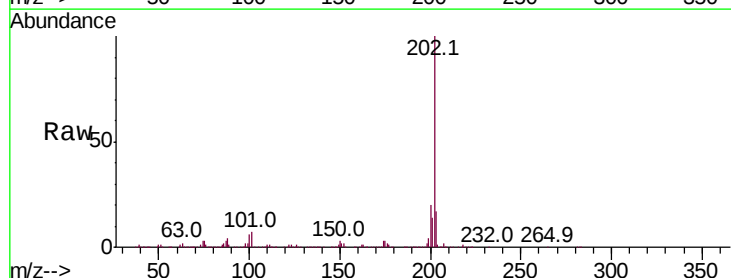


Time--> 16.95 17.00 17.05 17.10

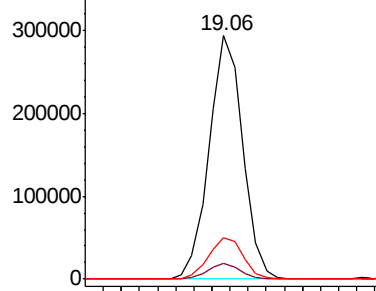


#75
Fluoranthene
Concen: 14.813 ng
RT: 19.06 min Scan# 2732
Delta R.T. -0.01 min
Lab File: BM027178.D
Acq: 21 Aug 2020 20:16

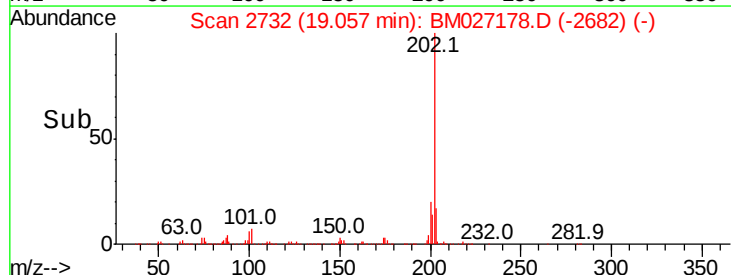
Tgt Ion:202 Resp: 377917
Ion Ratio Lower Upper
202 100
101 6.5 0.0 27.2
203 17.0 0.0 37.1

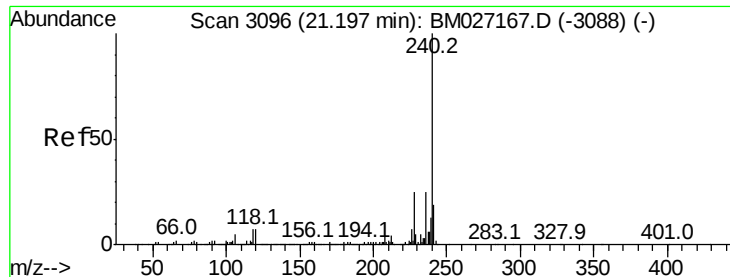


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.00 19.05 19.10

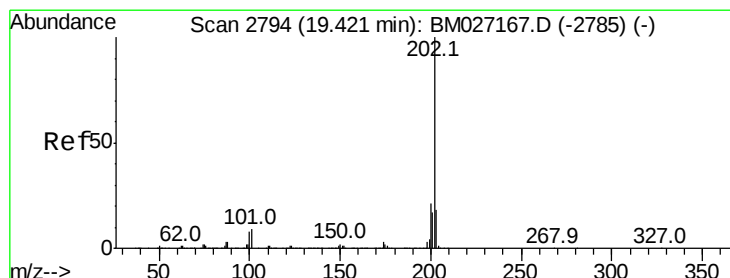
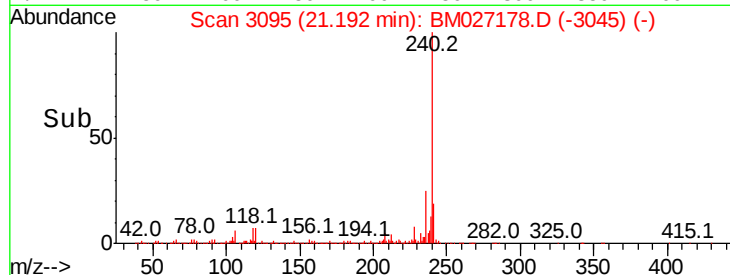
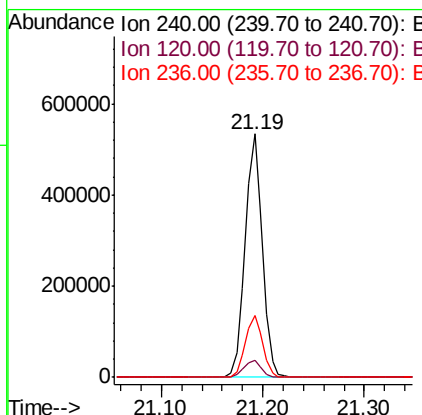
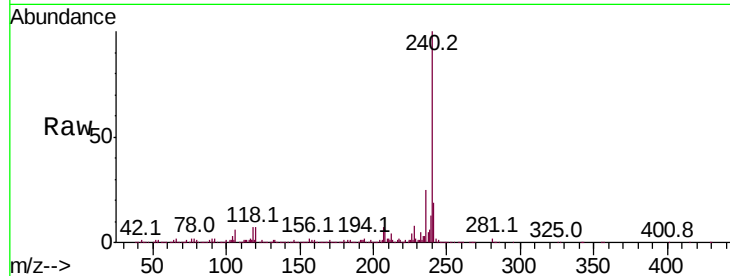




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.01 min
 Lab File: BM027178.D
 Acq: 21 Aug 2020 20:16

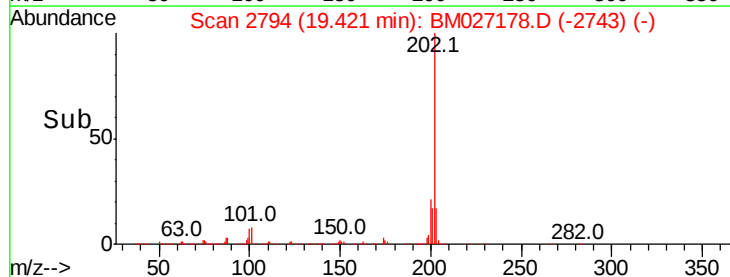
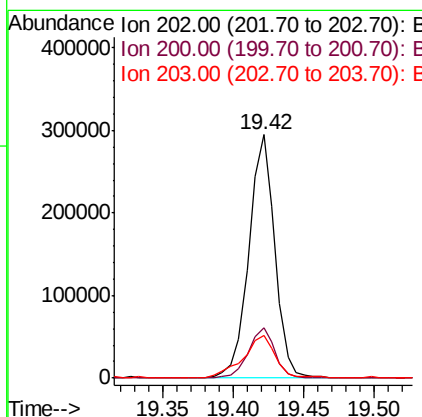
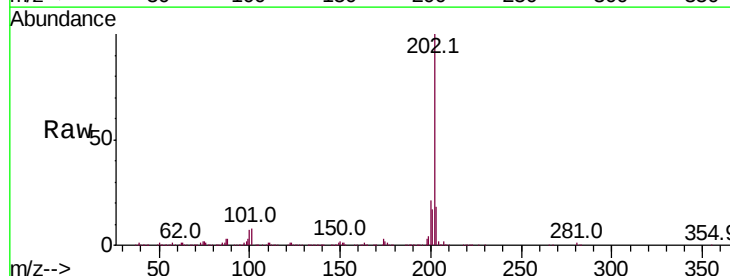
Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-BD-0-2-COMP

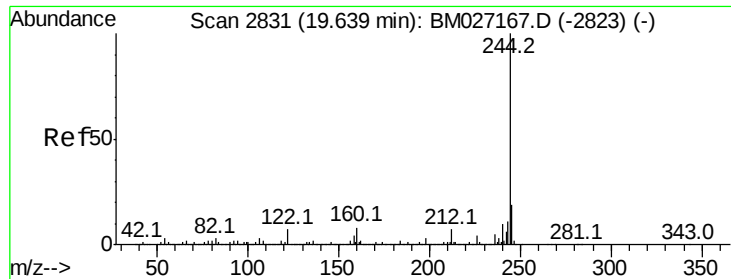
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.6	8.4
236	25.2	19.8	29.6



#78
 Pyrene
 Concen: 9.940 ng
 RT: 19.42 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: BM027178.D
 Acq: 21 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.6	14.0	21.0





#79

Terphenyl-d14

Concen: 33.819 ng

RT: 19.64 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

Instrument :

BNA_M

ClientSampleId :

MP-081920-BD-0-2-COMP

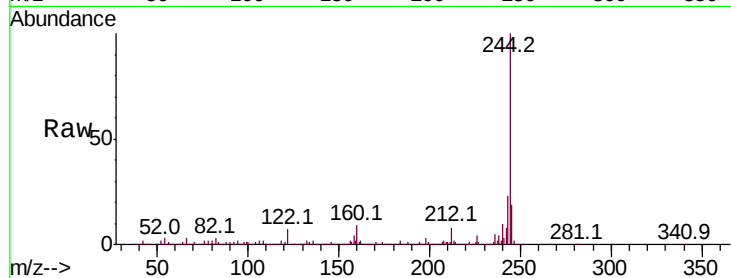
Tot Ion:244 Resp: 1139873

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

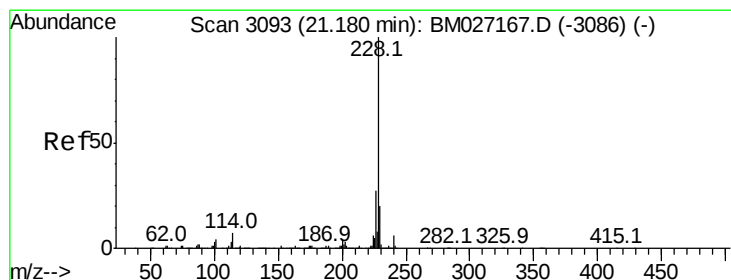
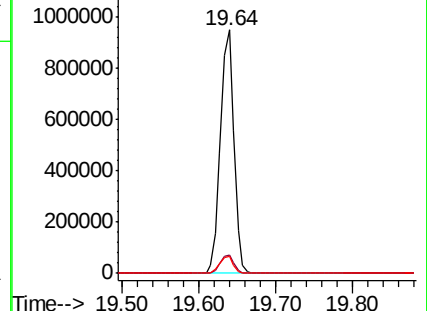
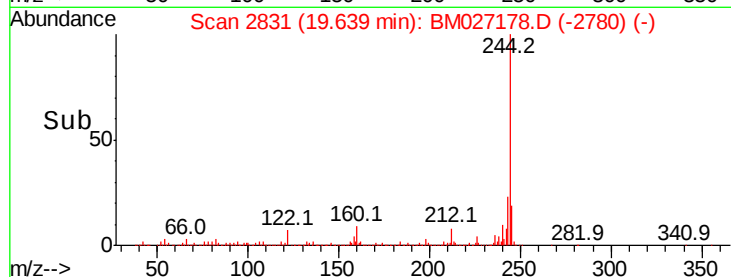
122 6.8 5.8 8.8



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: 7.158 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

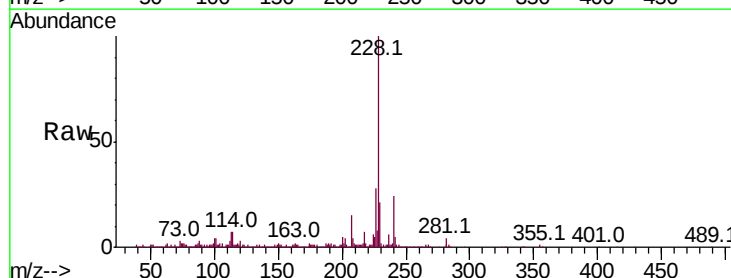
Tgt Ion:228 Resp: 292032

Ion Ratio Lower Upper

228 100

226 28.4 21.4 32.2

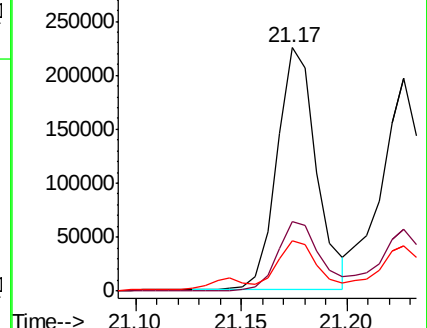
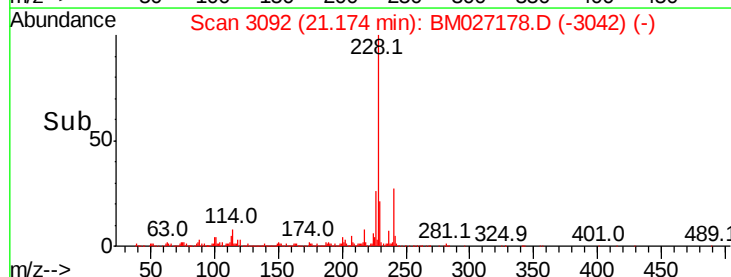
229 20.8 15.8 23.6

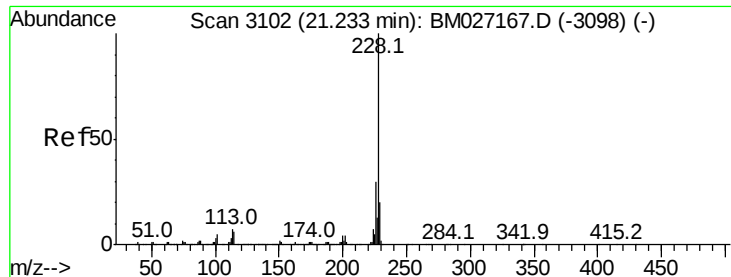


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

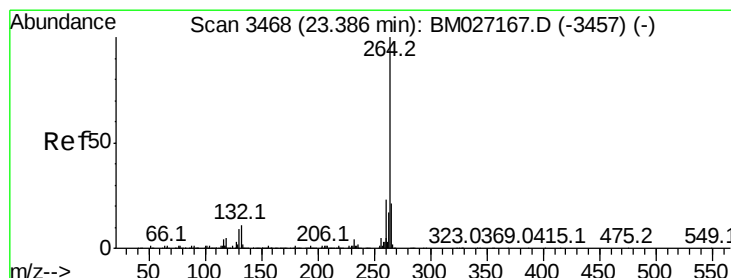
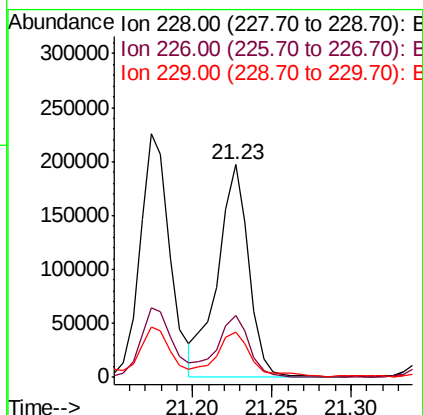
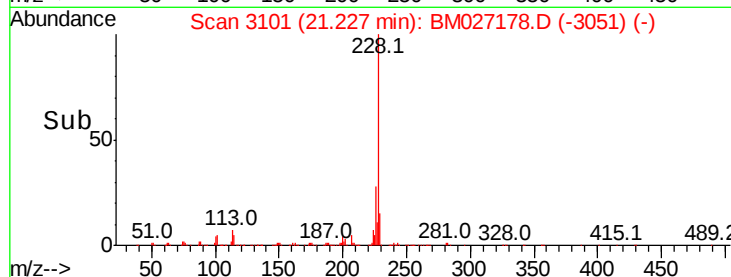
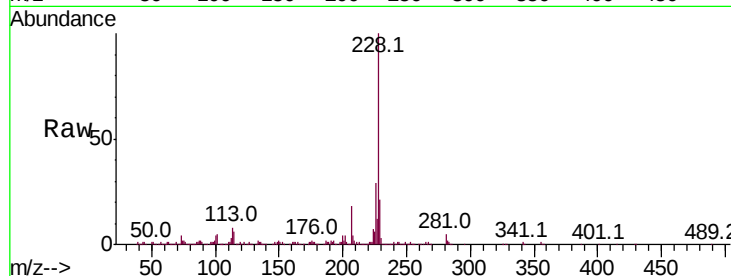




#83
Chrysene
Concen: 6.714 ng
RT: 21.23 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BM027178.D
Acq: 21 Aug 2020 20:16

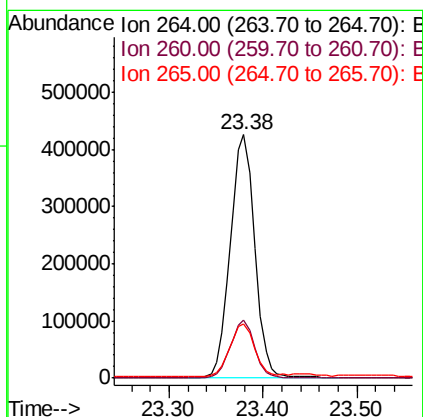
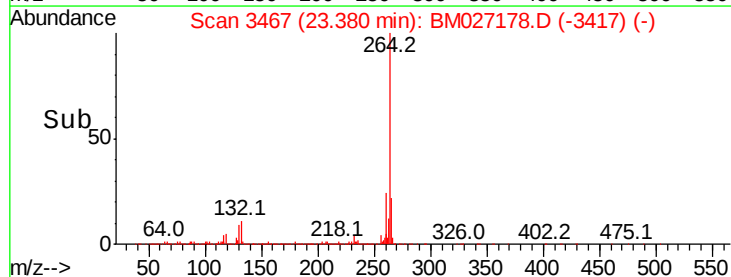
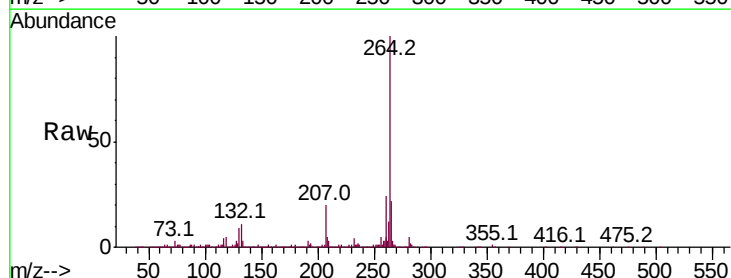
Instrument :
BNA_M
ClientSampleId :
MP-081920-BD-0-2-COMP

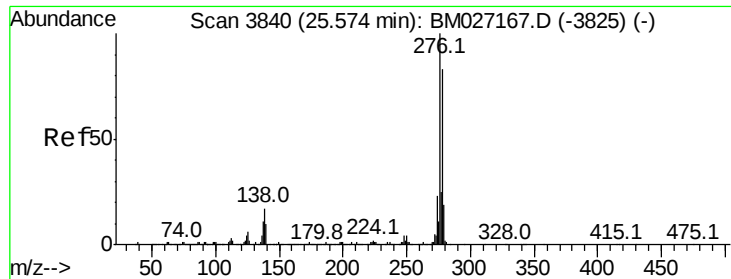
Tot Ion:228 Resp: 266054
Ion Ratio Lower Upper
228 100
226 29.0 23.7 35.5
229 21.0 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3467
Delta R.T. -0.01 min
Lab File: BM027178.D
Acq: 21 Aug 2020 20:16

Tgt Ion:264 Resp: 770799
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 22.3 17.5 26.3

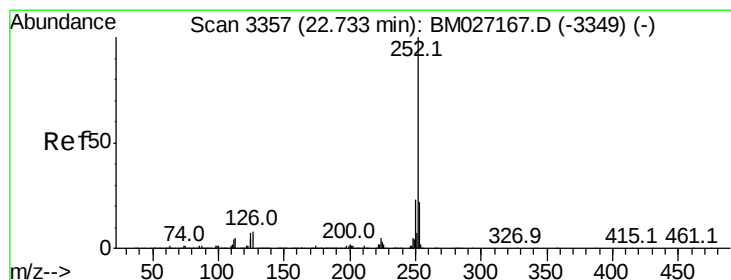
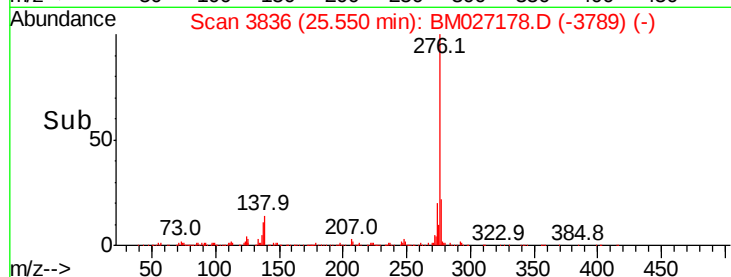
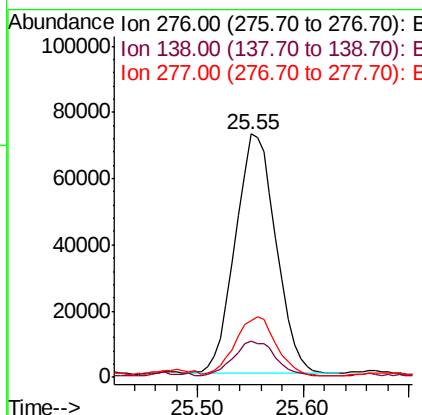
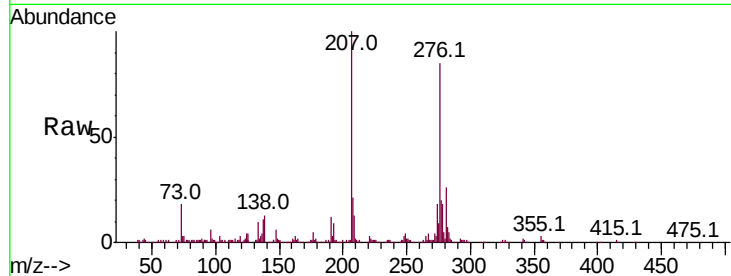




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.207 ng
 RT: 25.55 min Scan# 3836
 Delta R.T. -0.02 min
 Lab File: BM027178.D
 Acq: 21 Aug 2020 20:16

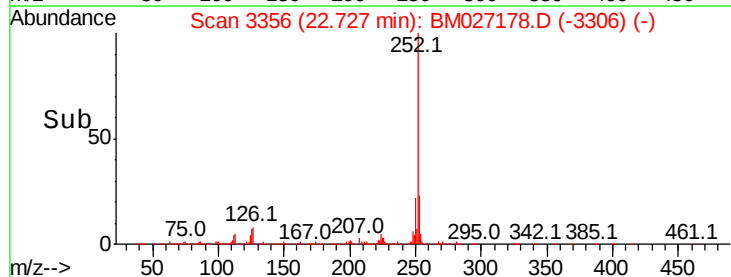
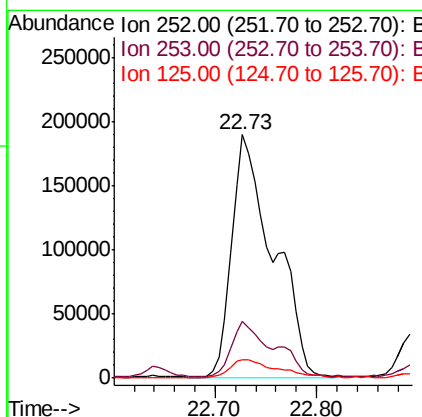
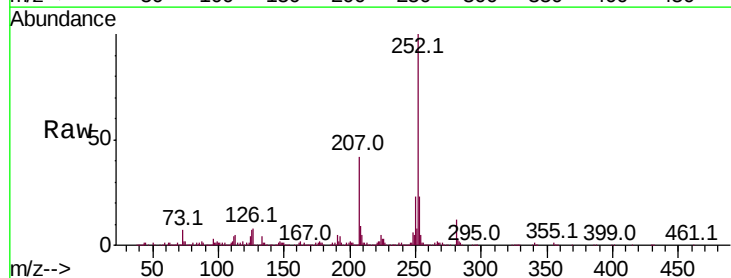
Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-BD-0-2-COMP

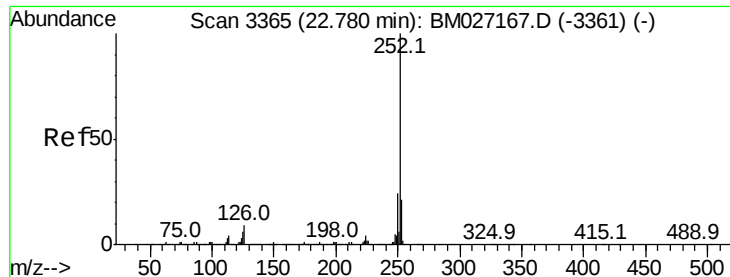
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.3	19.9
277	25.4	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 10.412 ng
 RT: 22.73 min Scan# 3356
 Delta R.T. -0.01 min
 Lab File: BM027178.D
 Acq: 21 Aug 2020 20:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	7.3	5.4	8.0





#89

Benzo(k)fluoranthene

Concen: 10.635 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

Instrument :

BNA_M

ClientSampleId :

MP-081920-BD-0-2-COMP

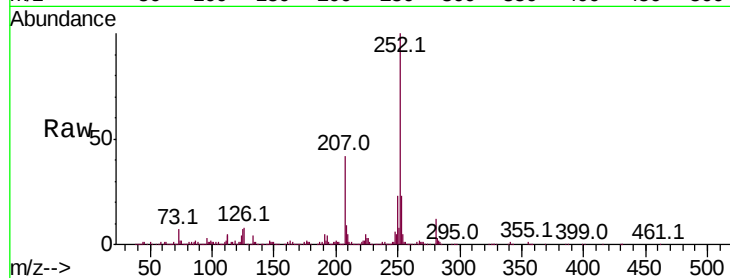
Tot Ion:252 Resp: 535193

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

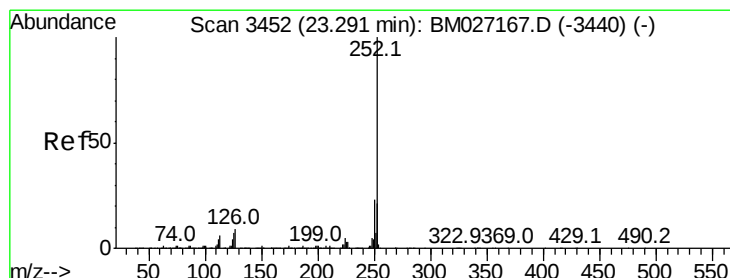
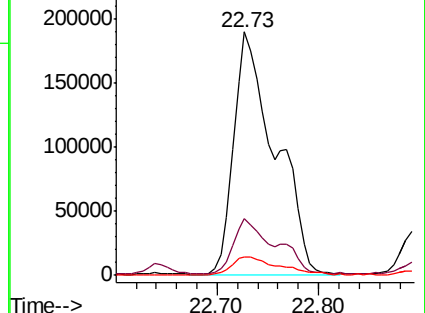
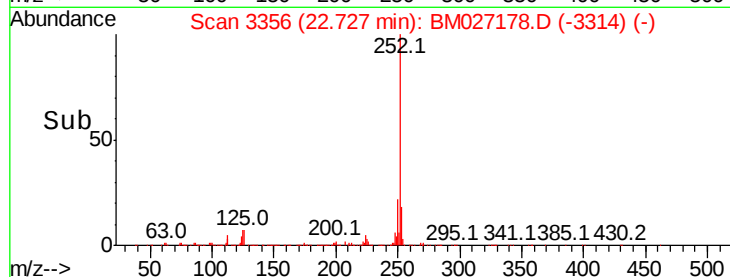
125 7.3 5.3 7.9



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: 6.537 ng

RT: 23.28 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

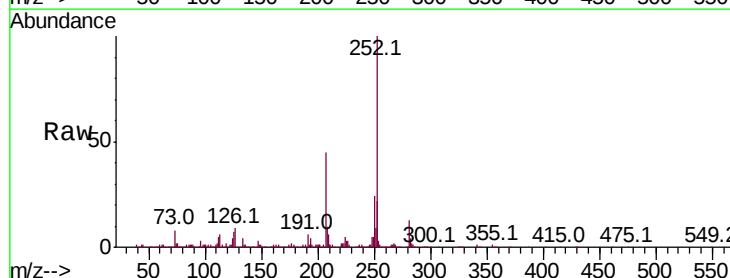
Tgt Ion:252 Resp: 306752

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

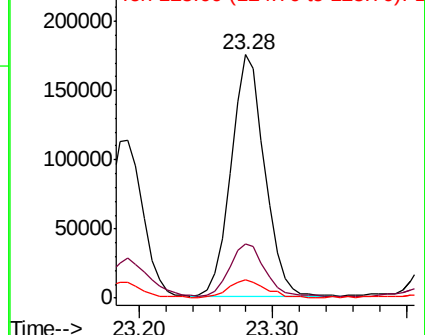
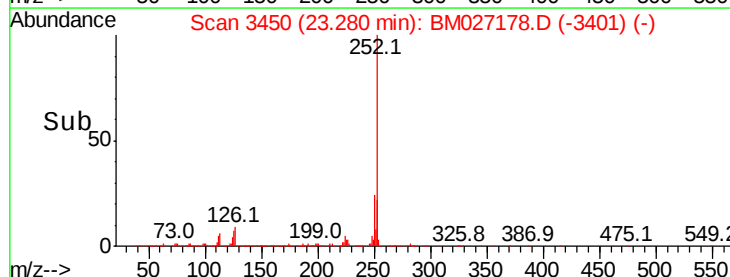
125 7.4 5.8 8.6

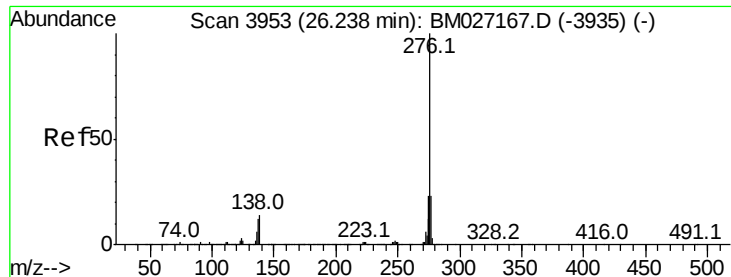


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.983 ng

RT: 26.22 min Scan# 3950

Delta R.T. -0.02 min

Lab File: BM027178.D

Acq: 21 Aug 2020 20:16

Instrument :

BNA_M

ClientSampleId :

MP-081920-BD-0-2-COMP

Tot Ion:276 Resp: 192652

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 13.9 11.4 17.0

