

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
 Data File : BM027191.D
 Acq On : 22 Aug 2020 04:07
 Operator : JU/CG
 Sample : L3720-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-B11-0-2-COMP

Quant Time: Aug 22 05:35:04 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	128901	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	466084	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	296473	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	657243	20.00	ng	0.00
76) Chrysene-d12	21.19	240	739481	20.00	ng	0.00
86) Perylene-d12	23.37	264	798049	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	589808	89.20	ng	0.00
7) Phenol-d6	6.80	99	790703	87.10	ng	0.00
23) Nitrobenzene-d5	8.75	82	617109	54.63	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	352952	73.52	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	1179823	52.28	ng	0.00
79) Terphenyl-d14	19.63	244	1809796	45.72	ng	0.00

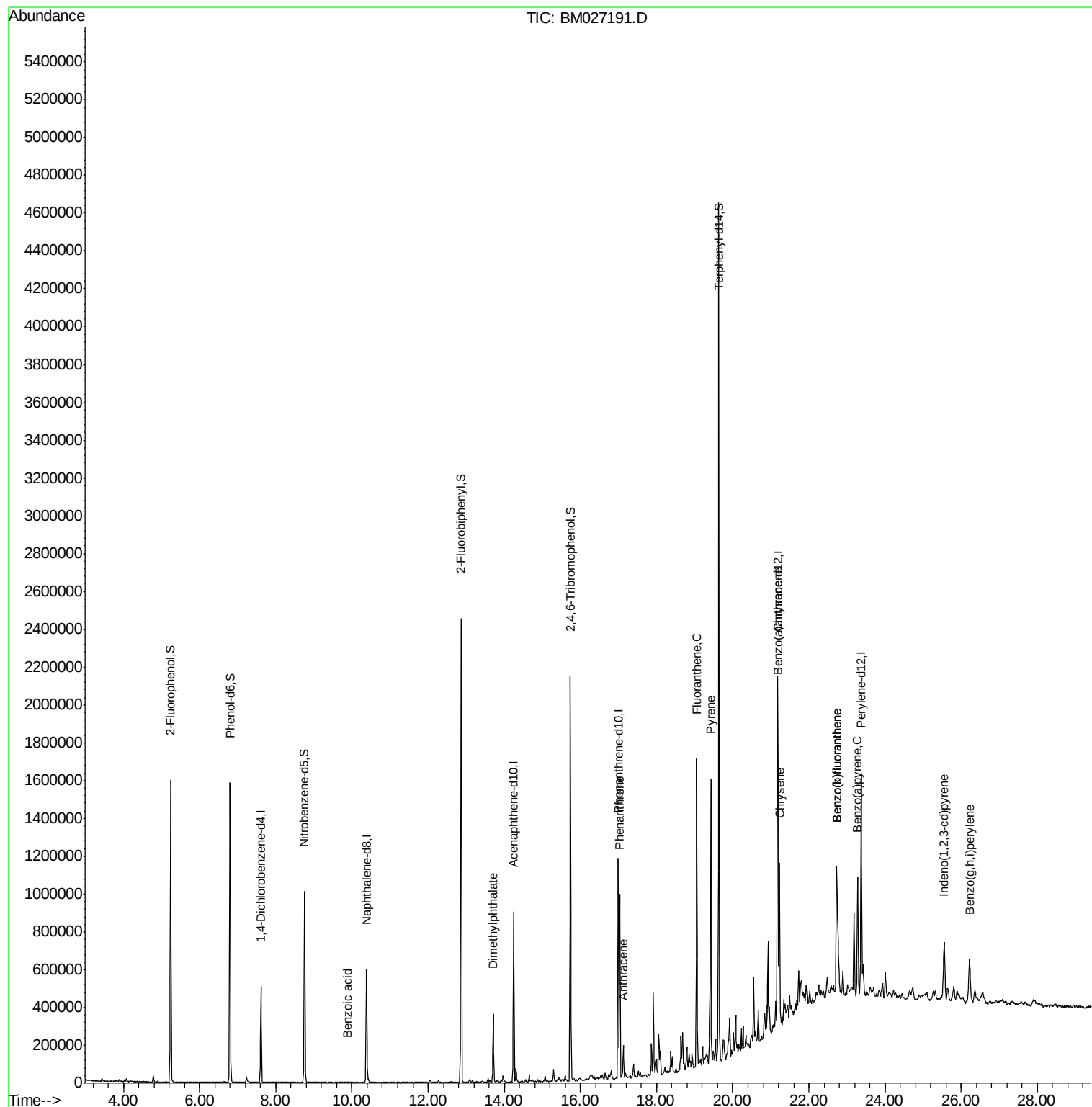
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.89	122	145	5.011	ng	35
50) Dimethylphthalate	13.71	163	210244	8.735	ng	99
71) Phenanthrene	17.03	178	545154	14.921	ng	100
72) Anthracene	17.13	178	107613	3.081	ng	99
75) Fluoranthene	19.06	202	911279	19.967	ng	99
78) Pyrene	19.42	202	913010	20.291	ng	99
81) Benzo(a)anthracene	21.17	228	511749	10.680	ng	97
83) Chrysene	21.23	228	458579	9.854	ng	98
87) Indeno(1,2,3-cd)pyrene	25.56	276	287265	4.599	ng	98
88) Benzo(b)fluoranthene	22.73	252	605445	11.377	ng	99
89) Benzo(k)fluoranthene	22.73	252	605722	11.626	ng	99
90) Benzo(a)pyrene	23.28	252	454728	9.360	ng	96
92) Benzo(a,h,i)perylene	26.21	276	278544	5.562	ng	98

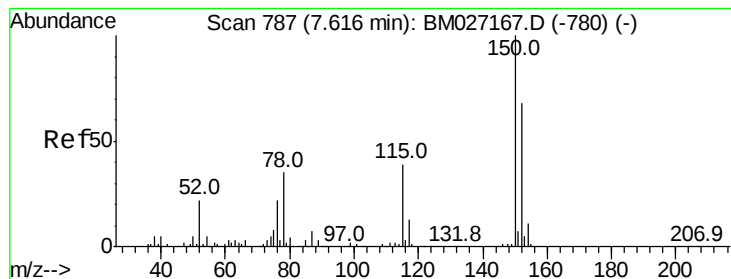
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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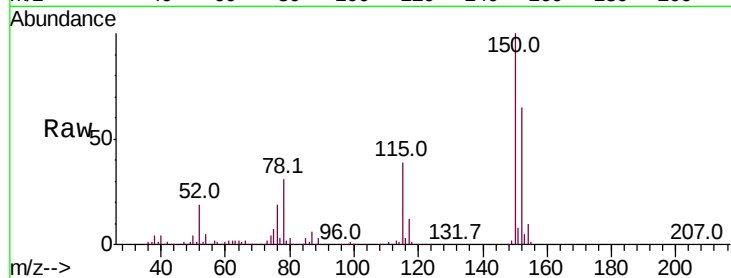


#1

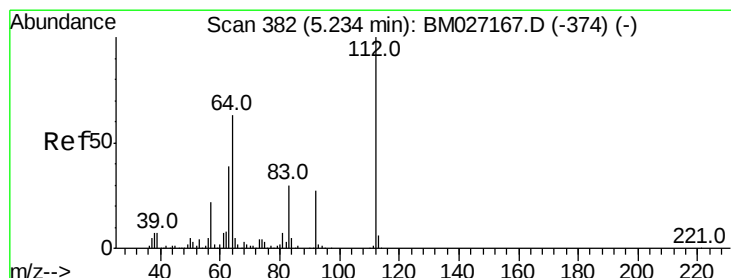
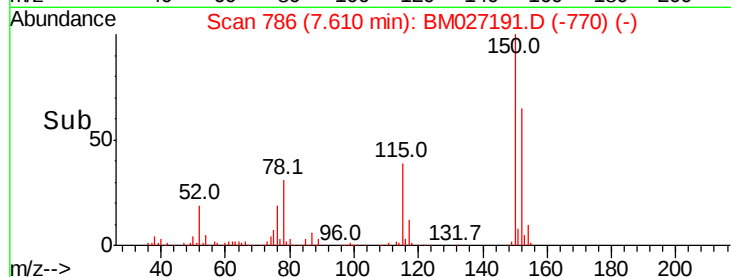
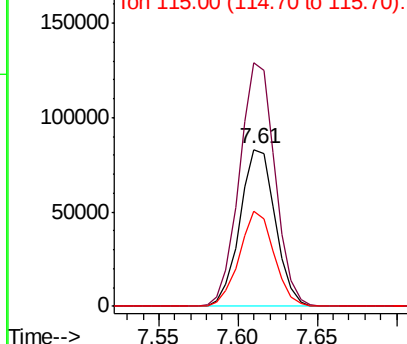
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 786
Delta R.T. -0.01 min
Lab File: BM027191.D
Acq: 22 Aug 2020 04:07

Instrument :
BNA_M
ClientSampleId :
MP-081920-B11-0-2-COMP

Tot Ion:152 Resp: 128901
Ion Ratio Lower Upper
152 100
150 155.0 118.2 177.4
115 60.4 46.1 69.1



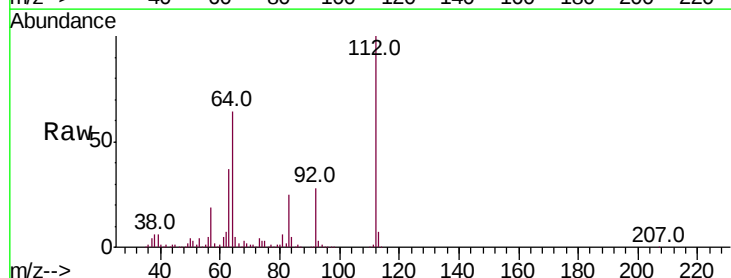
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



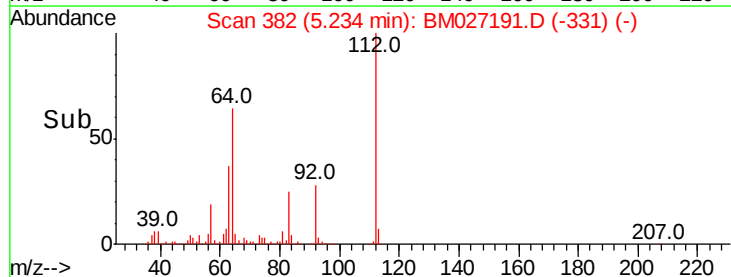
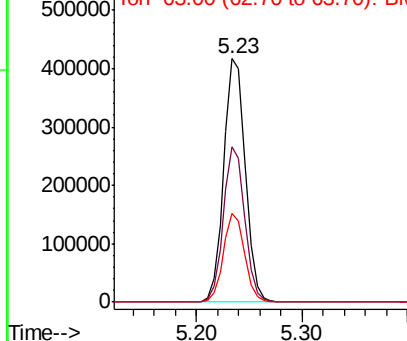
#5

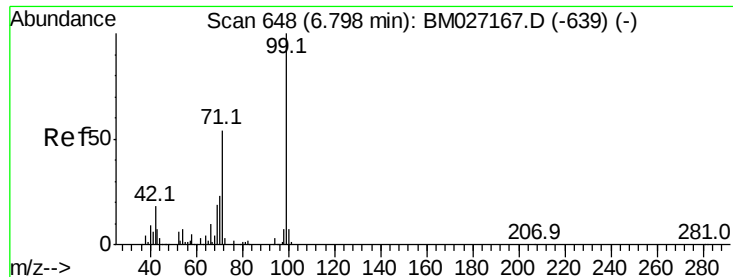
2-Fluorophenol
Concen: 89.200 ng
RT: 5.23 min Scan# 382
Delta R.T. -0.00 min
Lab File: BM027191.D
Acq: 22 Aug 2020 04:07

Tgt Ion:112 Resp: 589808
Ion Ratio Lower Upper
112 100
64 63.7 50.0 75.0
63 36.6 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: 87.096 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.00 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

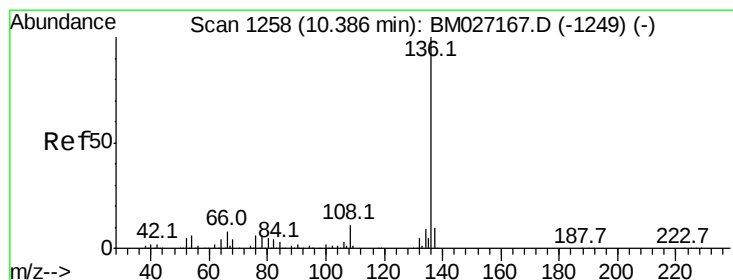
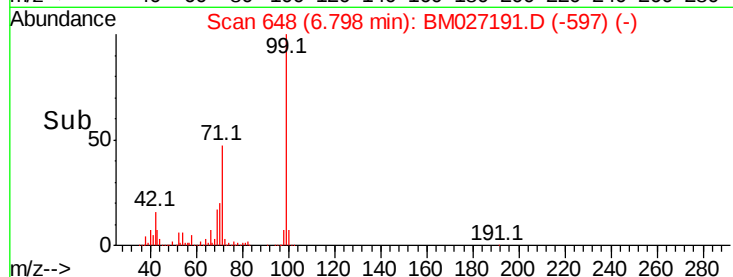
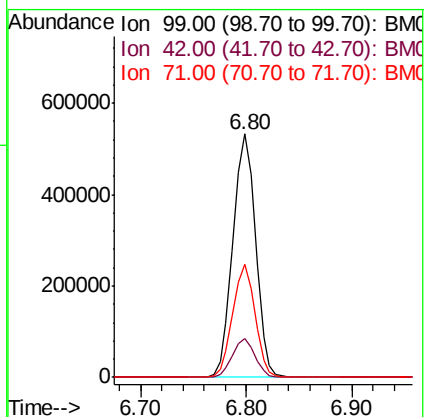
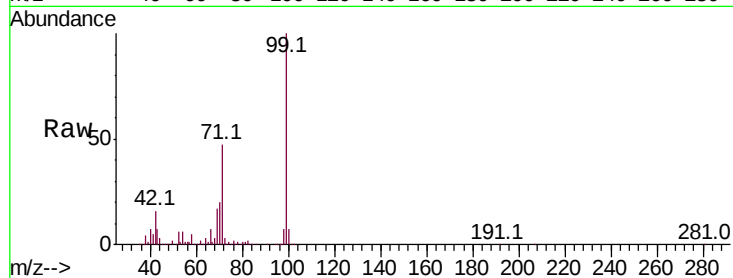
Tot Ion: 99 Resp: 790703

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 46.7 43.0 64.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Tgt Ion: 136 Resp: 466084

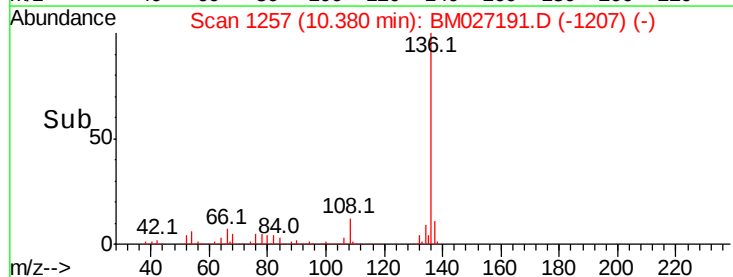
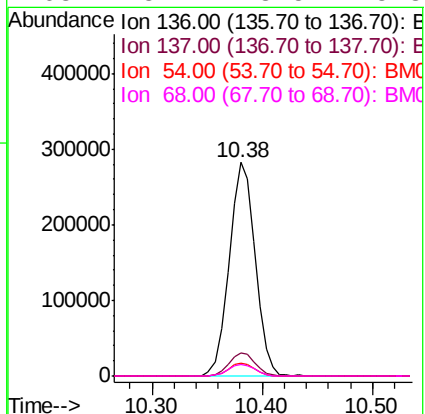
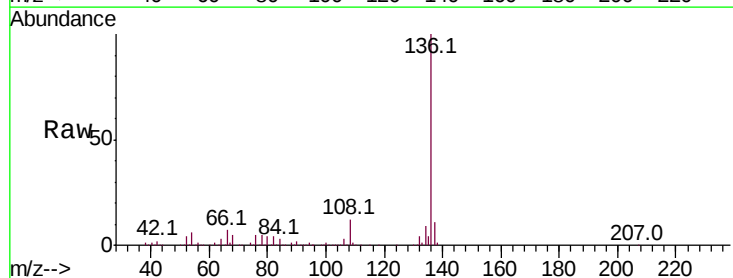
Ion Ratio Lower Upper

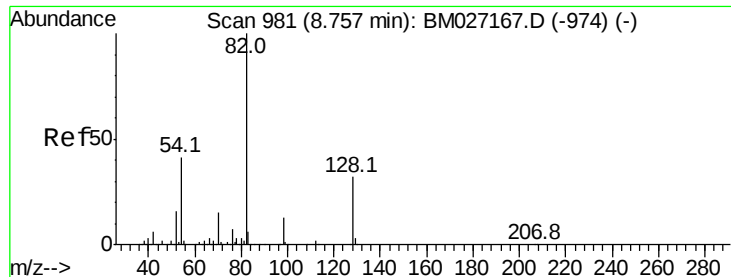
136 100

137 11.0 8.2 12.4

54 6.1 4.8 7.2

68 5.2 3.5 5.3

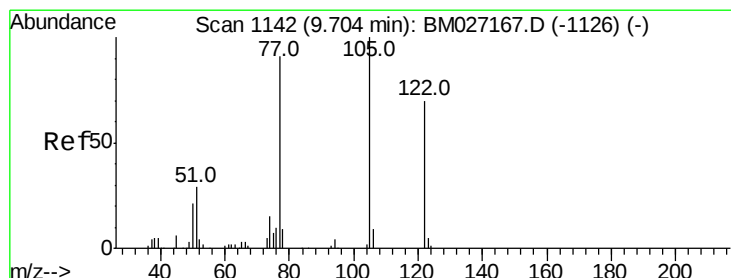
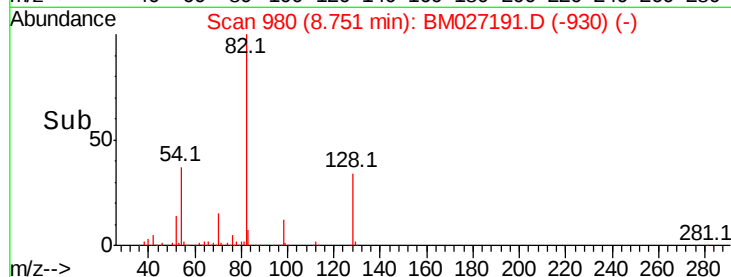
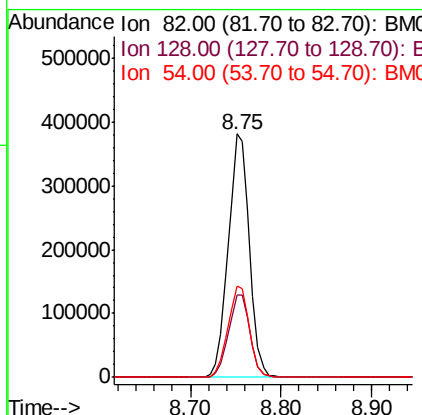
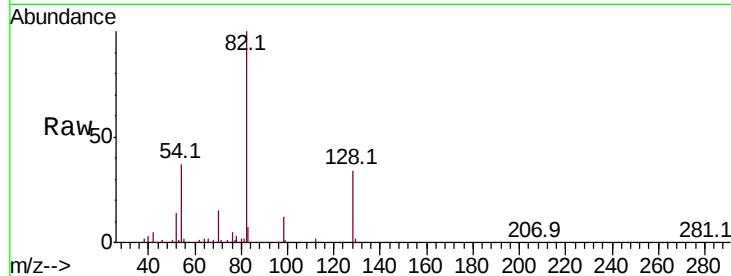




#23
 Nitrobenzene-d5
 Concen: 54.626 ng
 RT: 8.75 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BM027191.D
 Acq: 22 Aug 2020 04:07

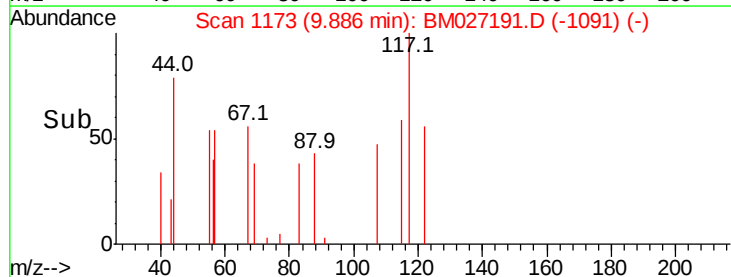
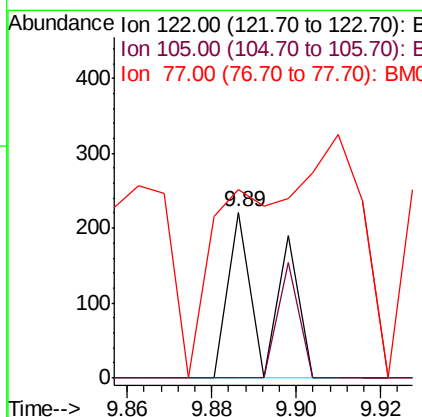
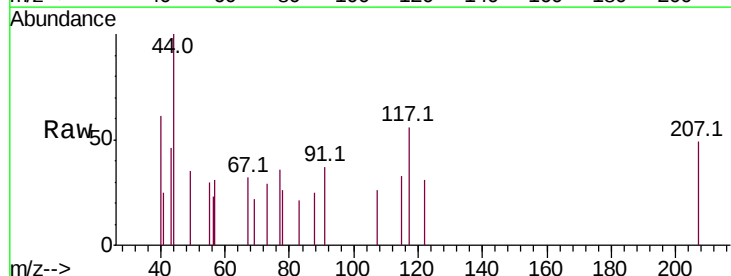
Instrument :
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 MP-081920-B11-0-2-COMP

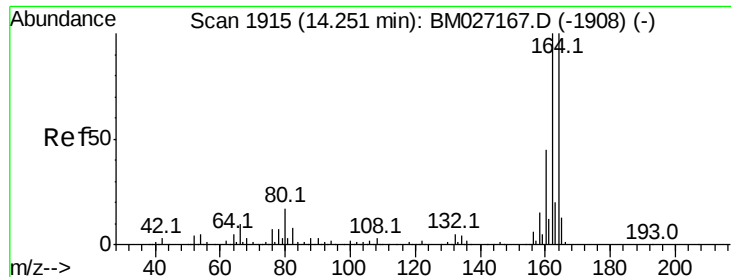
Tot Ion	82	Resp	617109
Ion Ratio	100	Lower	Upper
128	33.8	25.7	38.5
54	37.3	33.0	49.4



#32
 Benzoic acid
 Concen: 5.011 ng
 RT: 9.89 min Scan# 1173
 Delta R.T. 0.18 min
 Lab File: BM027191.D
 Acq: 22 Aug 2020 04:07

Tgt Ion	122	Resp	145
Ion Ratio	100	Lower	Upper
105	0.0	117.8	157.8#
77	114.0	107.8	147.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

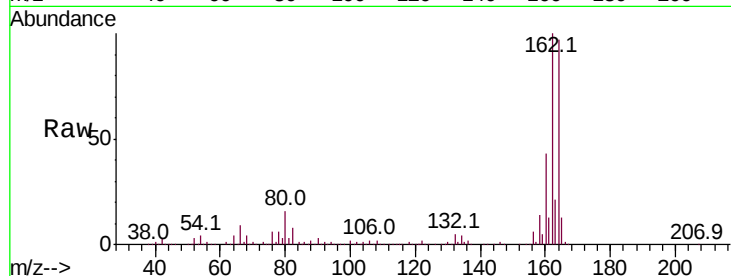
Tot Ion:164 Resp: 296473

Ion Ratio Lower Upper

164 100

162 102.7 80.2 120.4

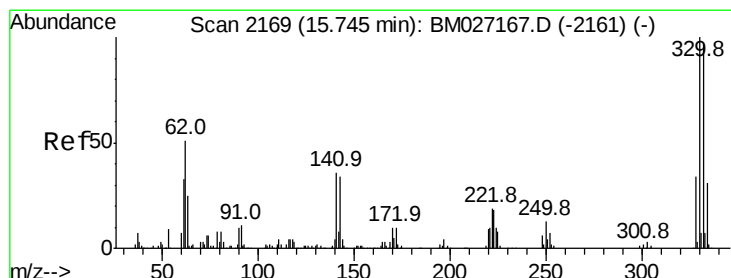
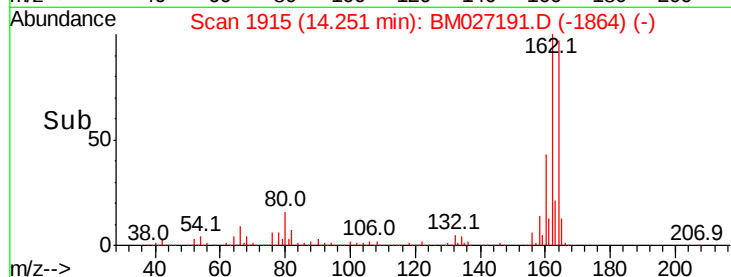
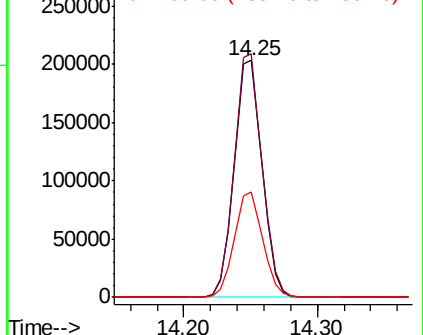
160 44.3 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 73.518 ng

RT: 15.74 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

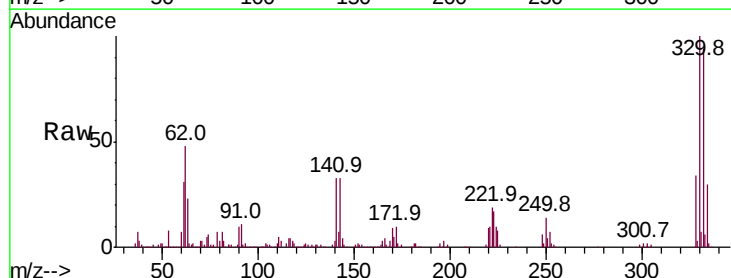
Tgt Ion:330 Resp: 352952

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

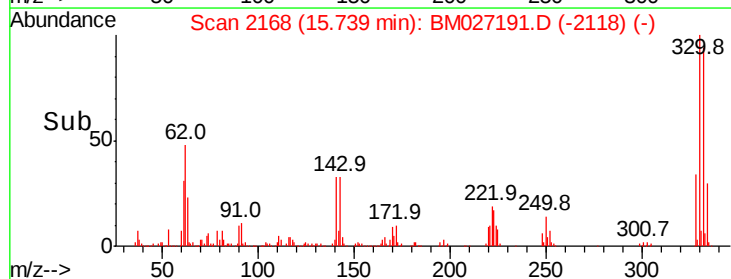
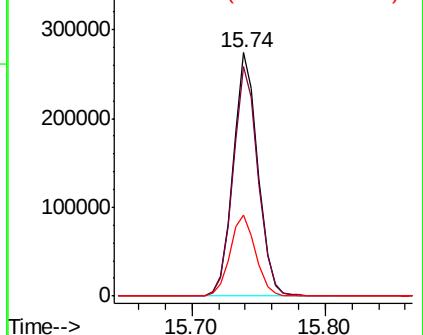
141 34.3 31.0 46.6

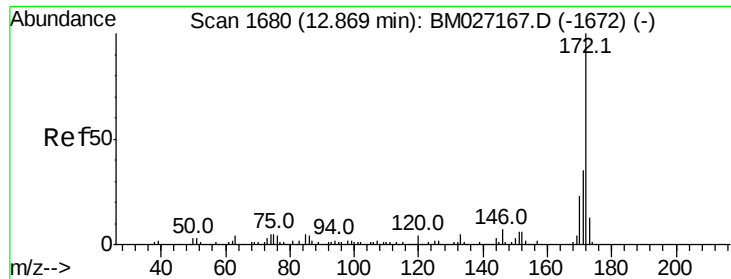


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



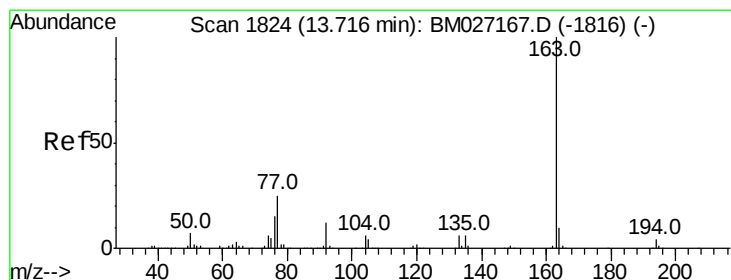
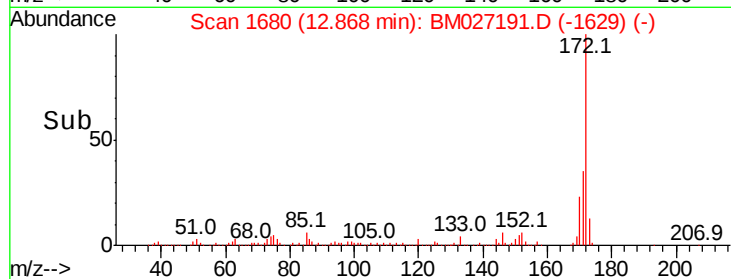
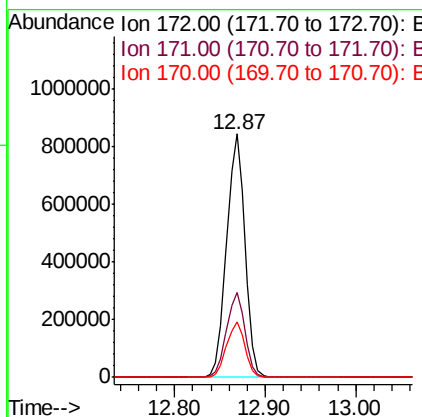
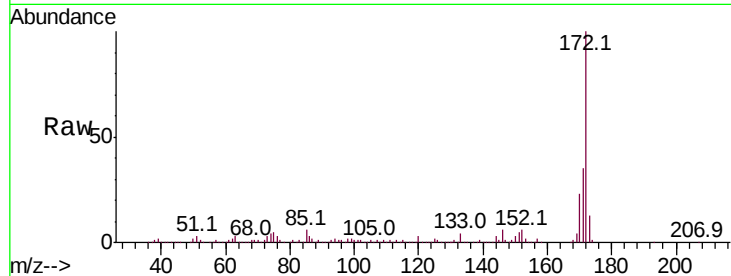


#45
 2-Fluorobiphenyl
 Concen: 52.276 ng
 RT: 12.87 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: BM027191.D
 Acq: 22 Aug 2020 04:07

Instrument :
 BNA_M
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 MP-081920-B11-0-2-COMP

Tot Ion:172 Resp: 1179823

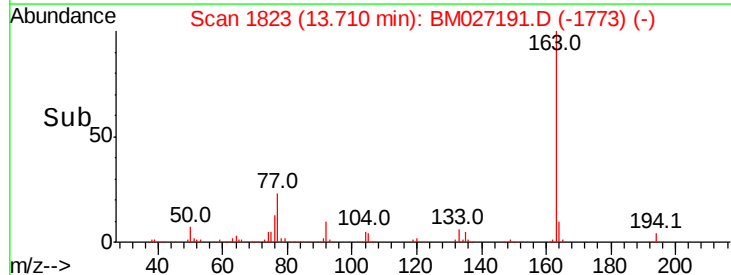
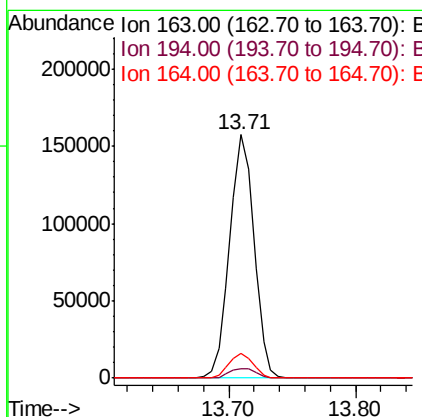
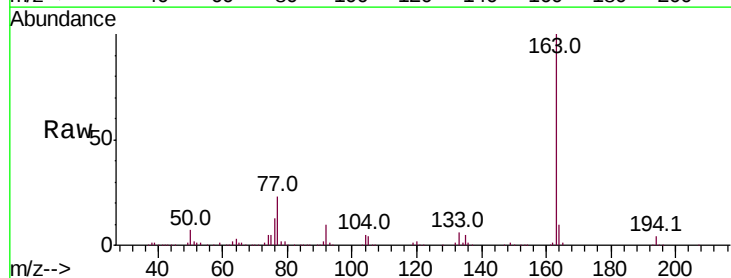
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	22.6	18.6	28.0

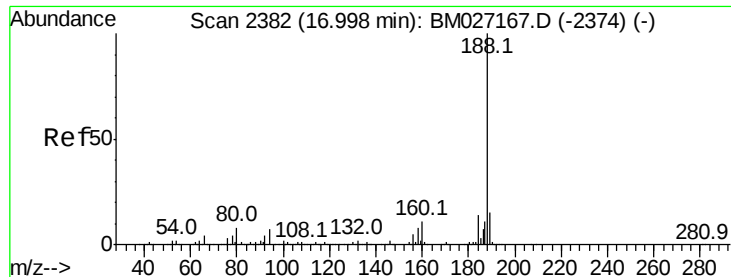


#50
 Dimethylphthalate
 Concen: 8.735 ng
 RT: 13.71 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BM027191.D
 Acq: 22 Aug 2020 04:07

Tgt Ion:163 Resp: 210244

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	10.1	8.2	12.2

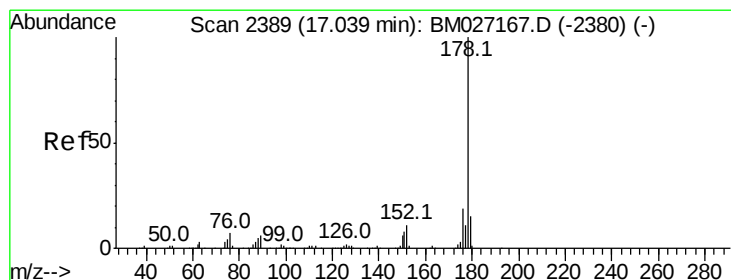
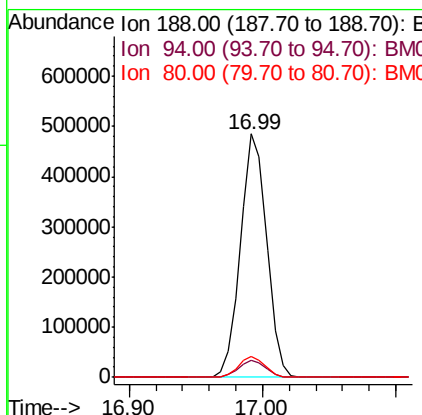
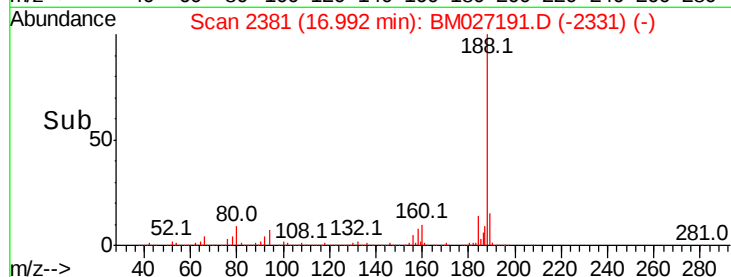
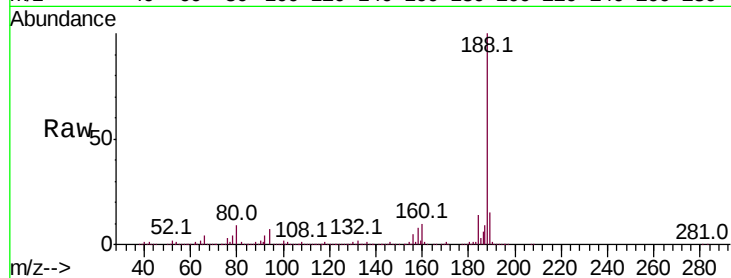




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM027191.D
Acq: 22 Aug 2020 04:07

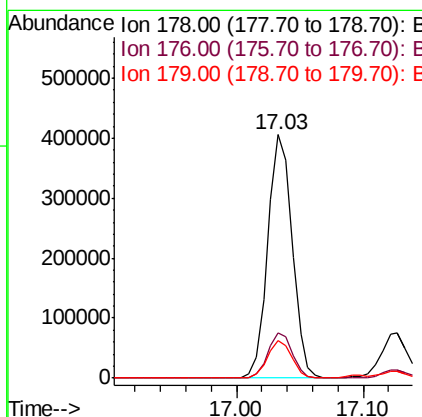
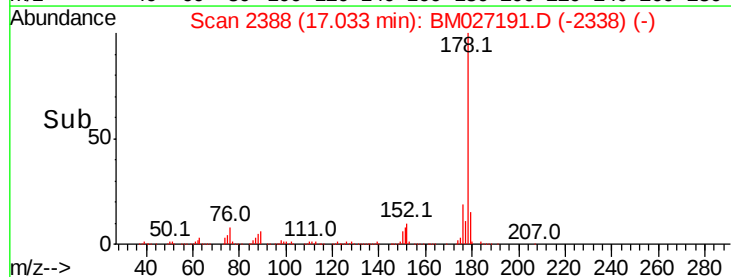
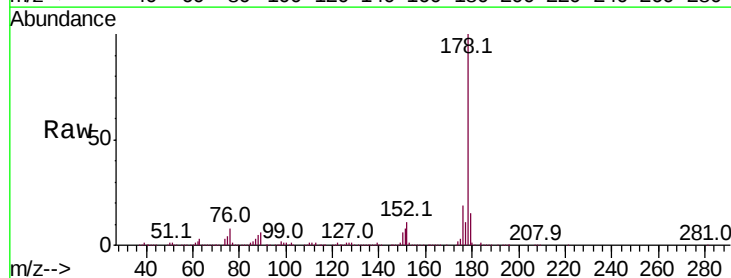
Instrument :
BNA_M
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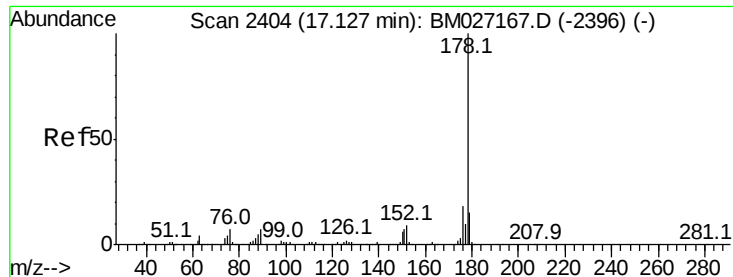
Tot Ion:188 Resp: 657243
Ion Ratio Lower Upper
188 100
94 6.8 5.5 8.3
80 8.6 6.2 9.4



#71
Phenanthrene
Concen: 14.921 ng
RT: 17.03 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BM027191.D
Acq: 22 Aug 2020 04:07

Tgt Ion:178 Resp: 545154
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.4 12.0 18.0





#72

Anthracene

Concen: 3.081 ng

RT: 17.13 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

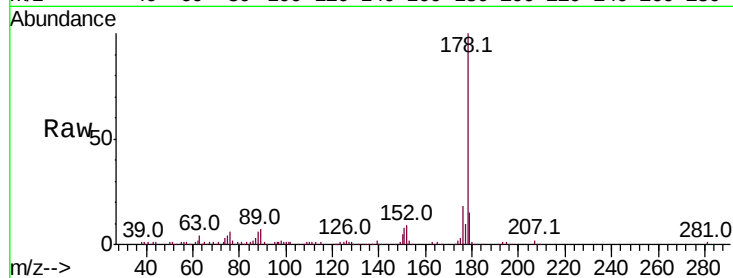
BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

Tot Ion:178 Resp: 107613

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.4	11.9	17.9

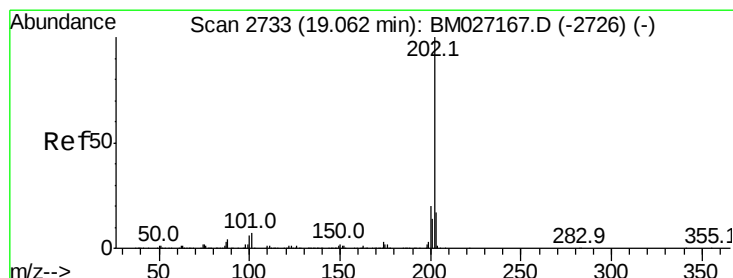
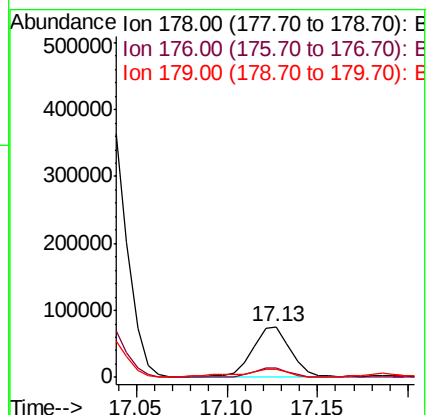
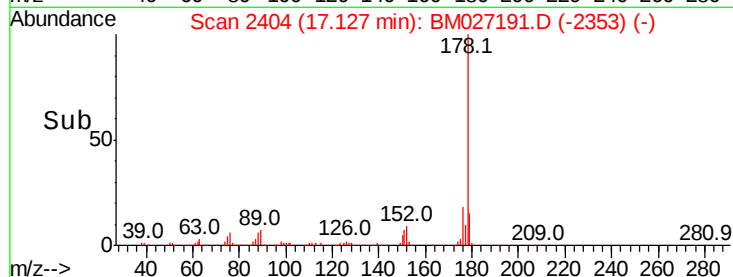


Abundance

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: 19.967 ng

RT: 19.06 min Scan# 2732

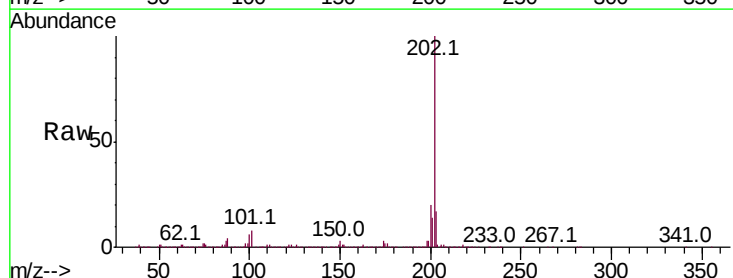
Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Tgt Ion:202 Resp: 911279

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.2
203	17.3	0.0	37.1

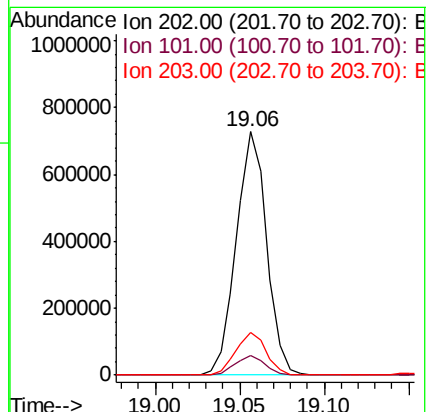
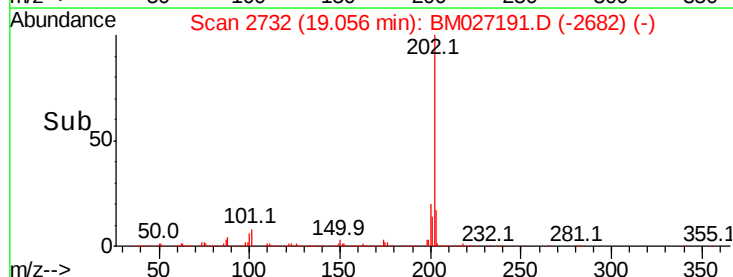


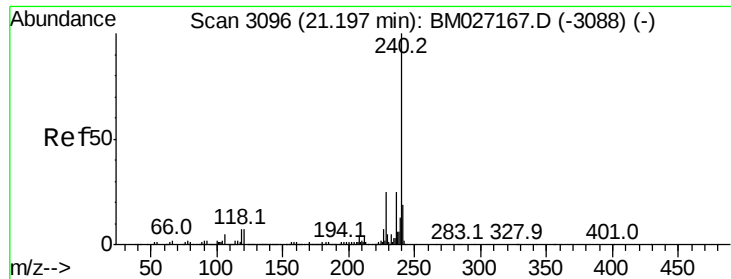
Abundance

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

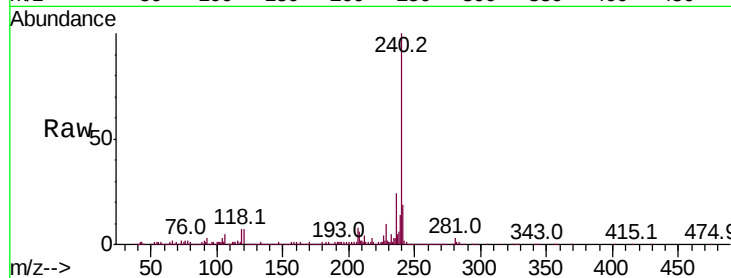
Tot Ion:240 Resp: 739481

Ion Ratio Lower Upper

240 100

120 7.0 5.6 8.4

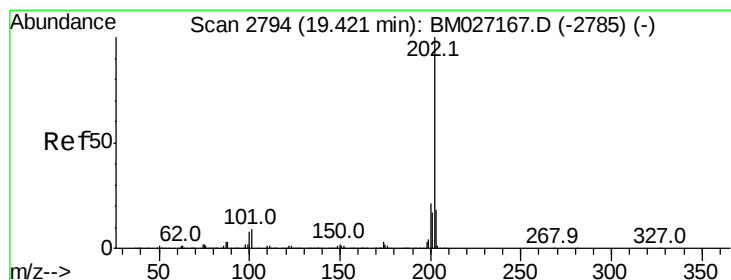
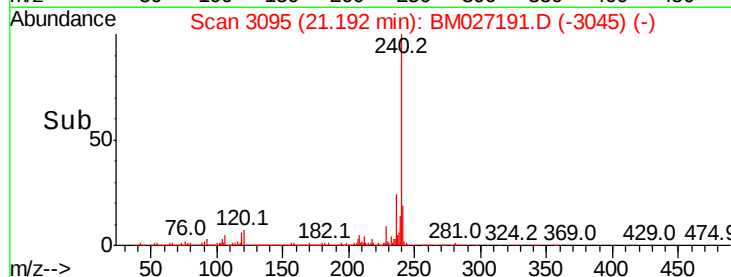
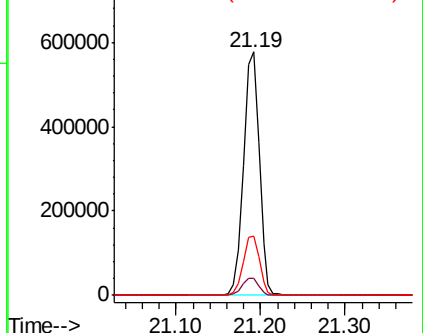
236 24.3 19.8 29.6



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: 20.291 ng

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

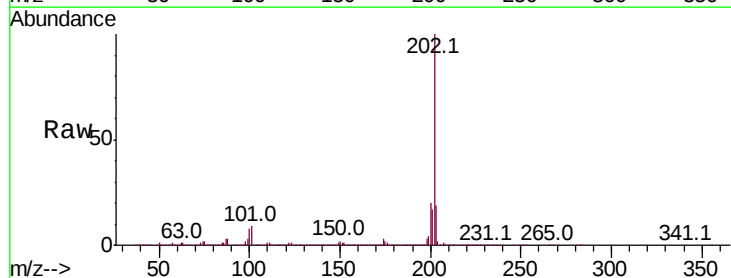
Tgt Ion:202 Resp: 913010

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

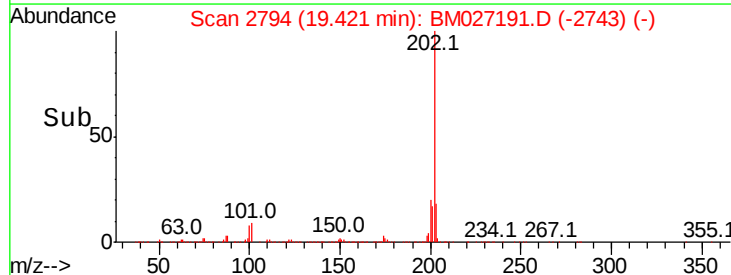
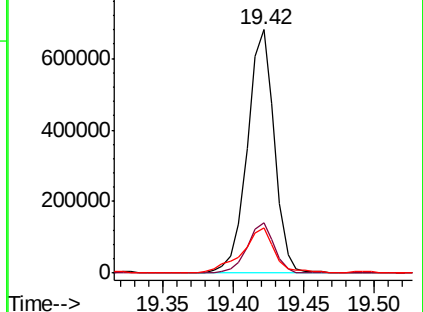
203 18.5 14.0 21.0

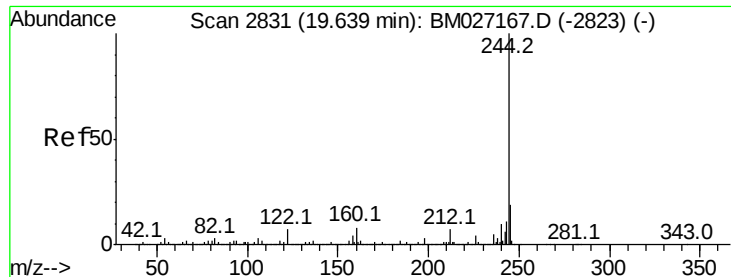


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 45.719 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

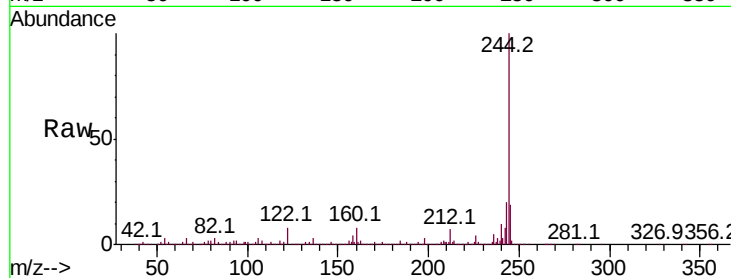
Tot Ion:244 Resp: 1809796

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

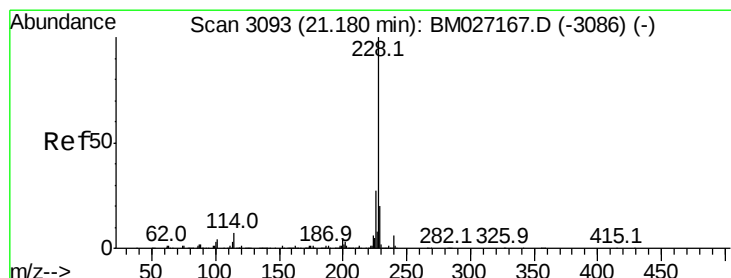
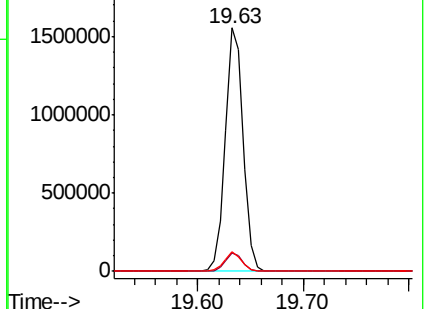
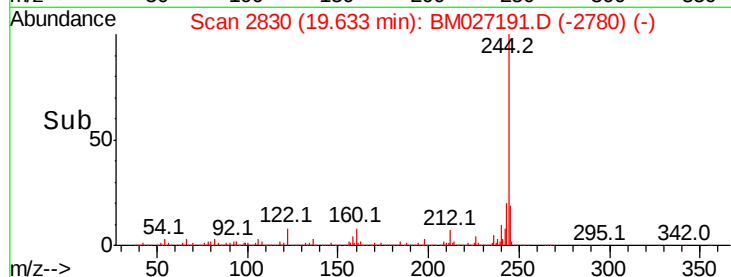
122 8.0 5.8 8.8



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: 10.680 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

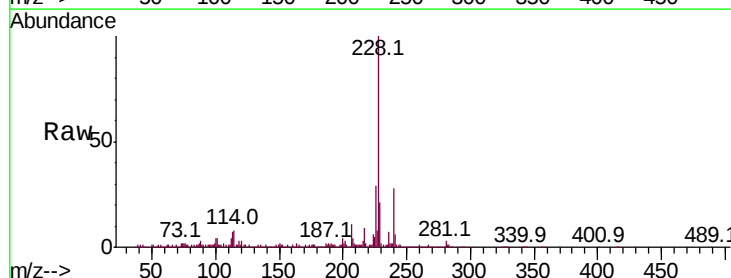
Tgt Ion:228 Resp: 511749

Ion Ratio Lower Upper

228 100

226 28.7 21.4 32.2

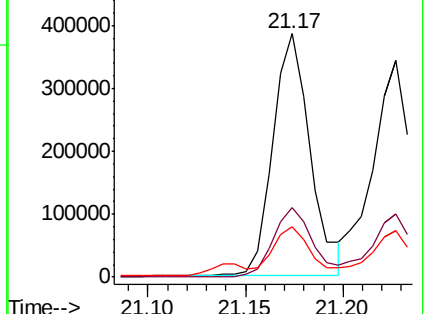
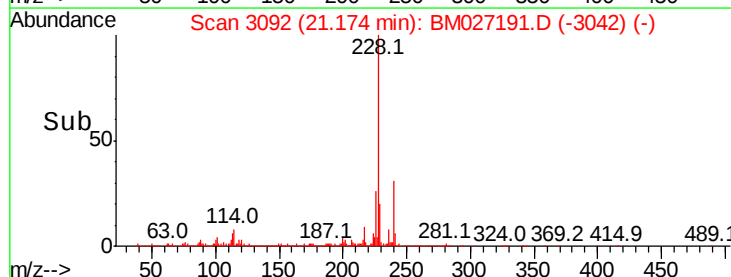
229 20.6 15.8 23.6

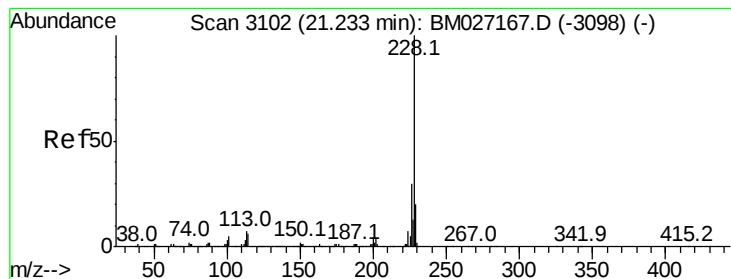


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.854 ng

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

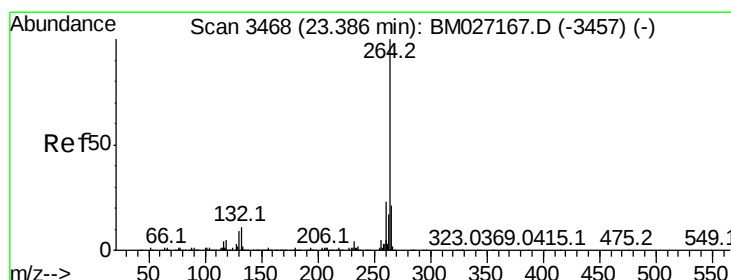
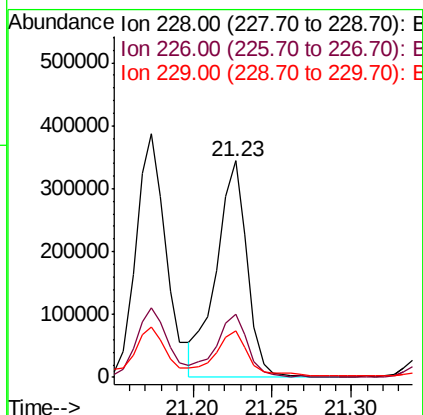
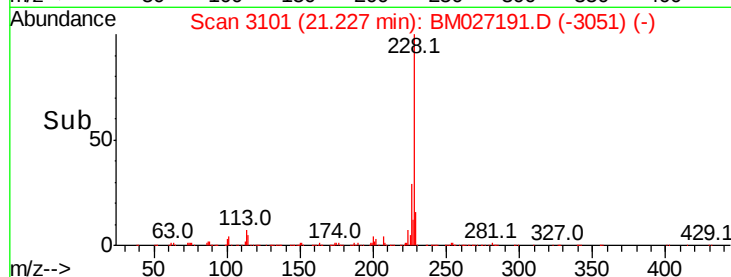
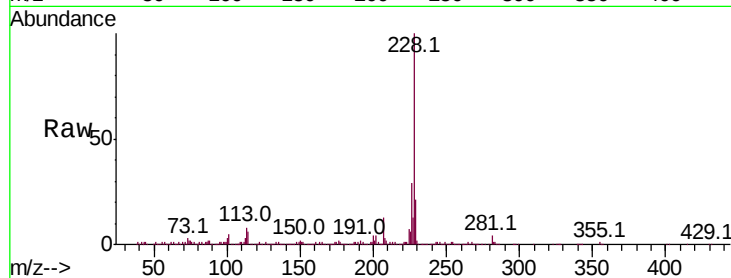
Tot Ion:228 Resp: 458579

Ion Ratio Lower Upper

228 100

226 29.3 23.7 35.5

229 21.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.37 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

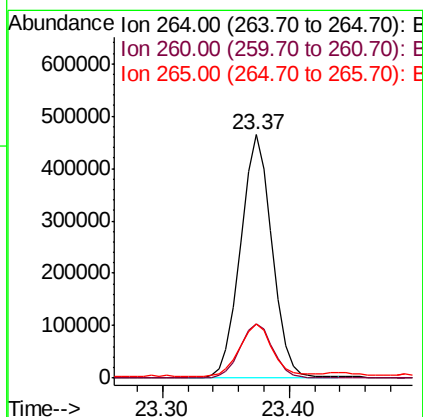
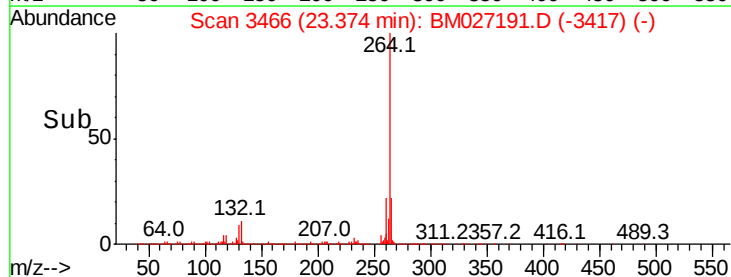
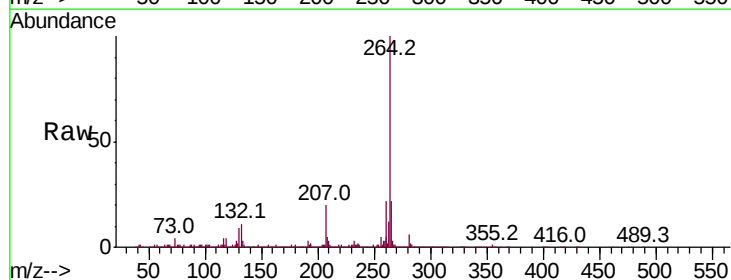
Tgt Ion:264 Resp: 798049

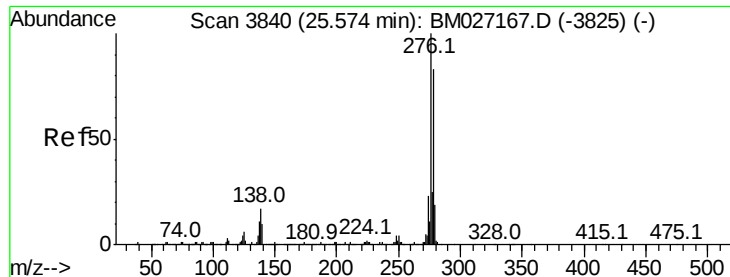
Ion Ratio Lower Upper

264 100

260 22.3 18.8 28.2

265 22.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.599 ng

RT: 25.56 min Scan# 3837

Delta R.T. -0.02 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

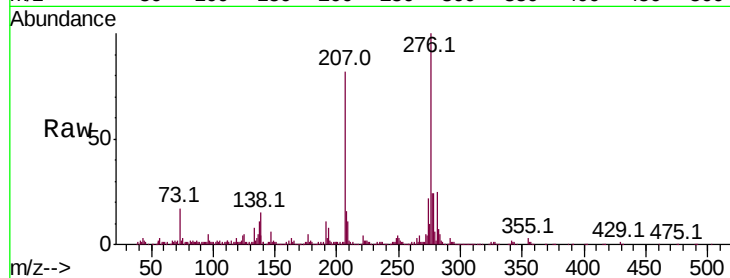
Tot Ion:276 Resp: 287265

Ion Ratio Lower Upper

276 100

138 15.1 13.3 19.9

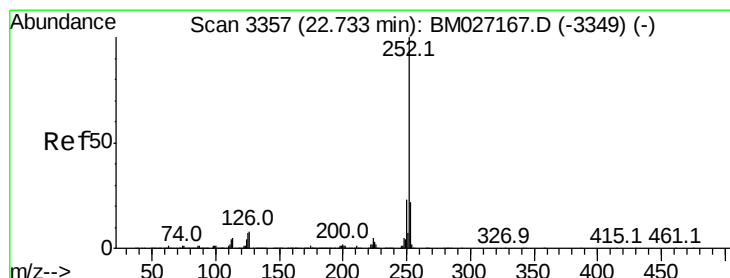
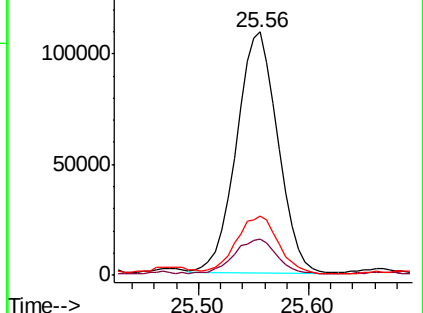
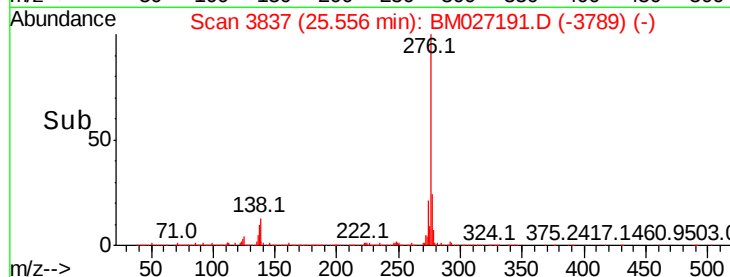
277 24.7 20.0 30.0



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



#88

Benzo(b)fluoranthene

Concen: 11.377 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

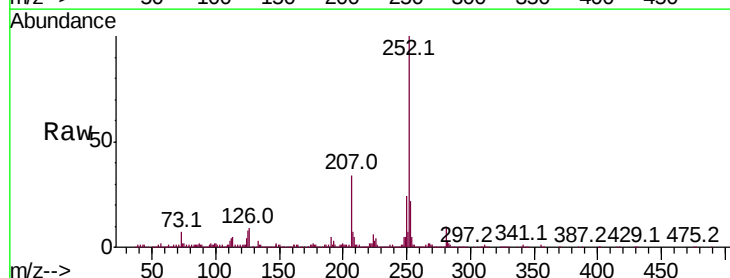
Tgt Ion:252 Resp: 605445

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

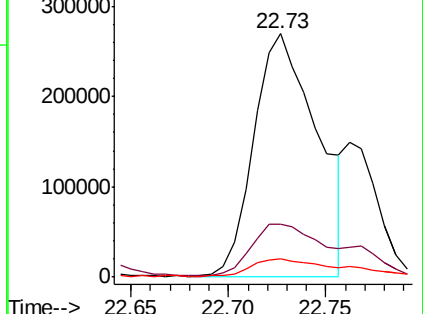
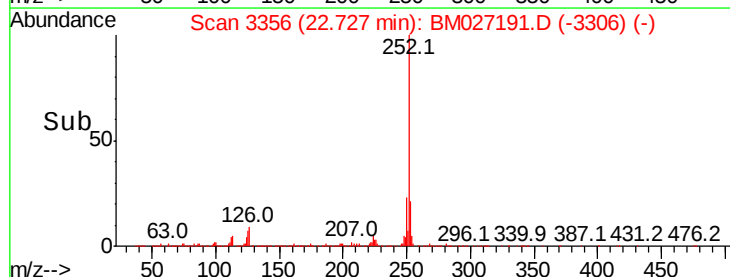
125 7.6 5.4 8.0

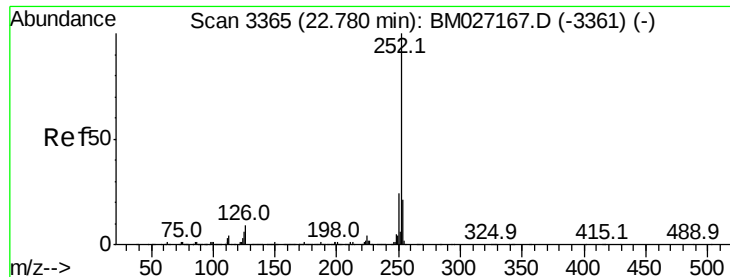


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 11.626 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

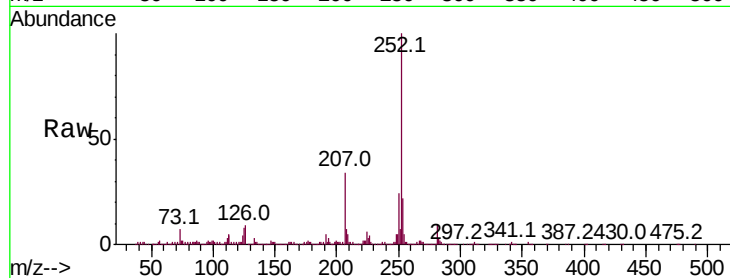
Tot Ion:252 Resp: 605722

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

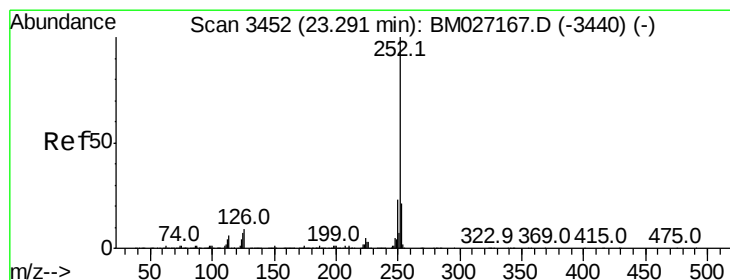
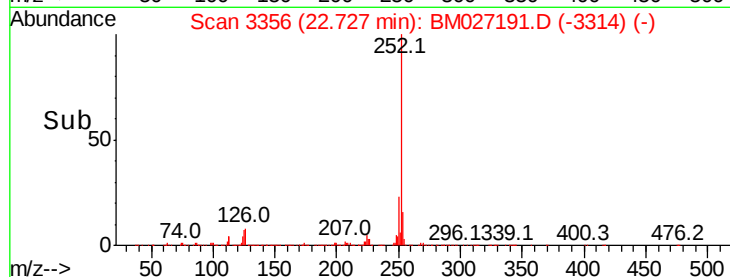
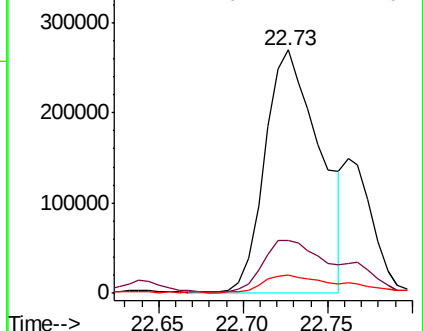
125 7.6 5.3 7.9



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: 9.360 ng

RT: 23.28 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

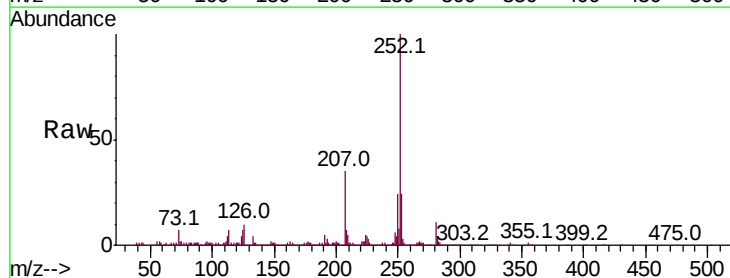
Tgt Ion:252 Resp: 454728

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

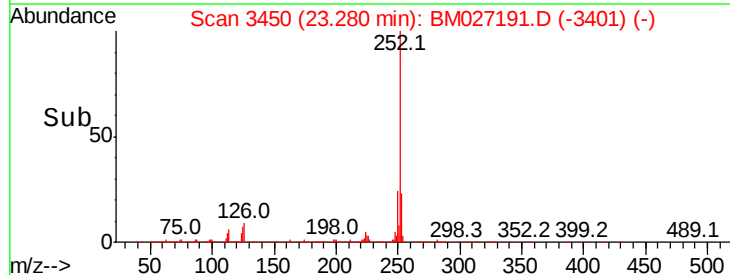
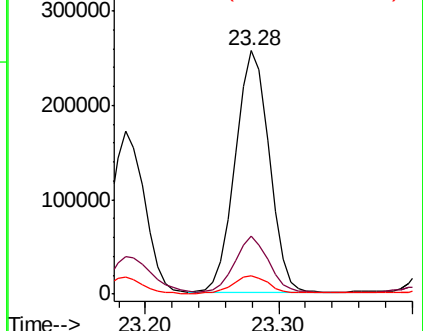
125 7.4 5.8 8.6

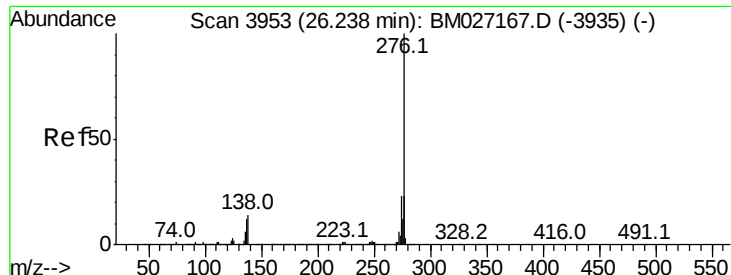


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.562 ng

RT: 26.21 min Scan# 3949

Delta R.T. -0.02 min

Lab File: BM027191.D

Acq: 22 Aug 2020 04:07

Instrument :

BNA_M

ClientSampleId :

MP-081920-B11-0-2-COMP

Tot Ion:276 Resp: 278544

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 15.4 11.4 17.0

