

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\
 Data File : BM027192.D
 Acq On : 22 Aug 2020 04:43
 Operator : JU/CG
 Sample : L3720-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-B9-0-2-COMP

Quant Time: Aug 22 05:35:27 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	141495	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	529272	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	346187	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	755782	20.00	ng	0.00
76) Chrysene-d12	21.19	240	804121	20.00	ng	0.00
86) Perylene-d12	23.37	264	848095	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	590068	81.30	ng	0.00
7) Phenol-d6	6.80	99	808017	81.08	ng	0.00
23) Nitrobenzene-d5	8.75	82	630405	49.14	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	364351	64.99	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	1236351	46.91	ng	0.00
79) Terphenyl-d14	19.63	244	1773307	41.20	ng	0.00

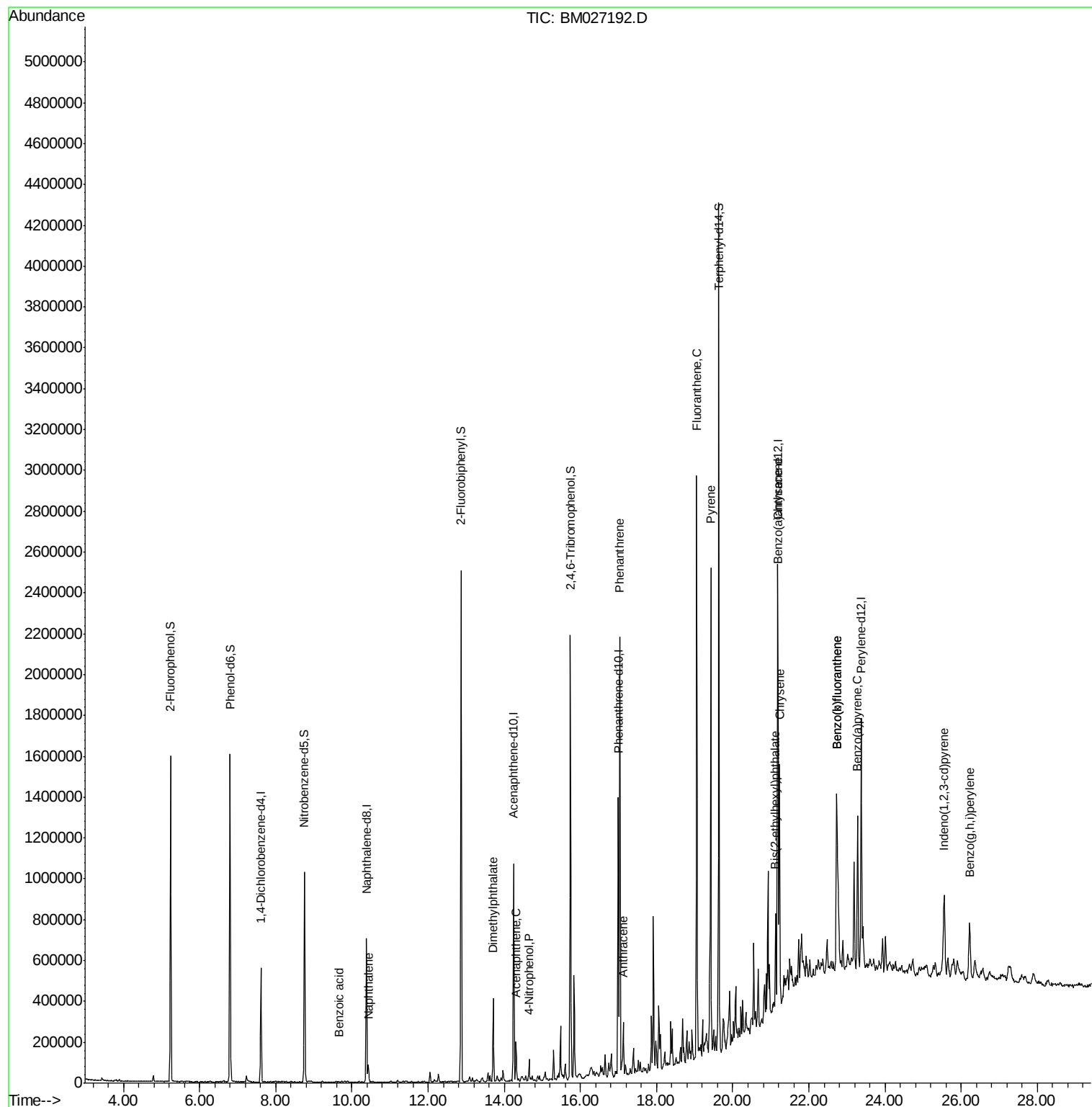
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.43	128	66161	2.466	ng	97
32) Benzoic acid	9.66	122	711	5.104	ng	# 70
50) Dimethylphthalate	13.71	163	237558	8.452	ng	99
52) Acenaphthene	14.31	154	65466	3.352	ng	98
56) 4-Nitrophenol	14.65	139	20158	4.686	ng	# 1
71) Phenanthrene	17.03	178	1253354	29.831	ng	99
72) Anthracene	17.13	178	156681	3.901	ng	98
75) Fluoranthene	19.06	202	1608746	30.653	ng	98
78) Pyrene	19.42	202	1410740	28.832	ng	100
81) Benzo(a)anthracene	21.17	228	652166	12.516	ng	98
83) Chrysene	21.23	228	606027	11.975	ng	97
84) Bis(2-ethylhexyl)phthalate	21.13	149	159167	6.253	ng	98
87) Indeno(1,2,3-cd)pyrene	25.55	276	346042	5.213	ng	98
88) Benzo(b)fluoranthene	22.73	252	994022	17.576	ng	98
89) Benzo(k)fluoranthene	22.73	252	994022	17.952	ng	97
90) Benzo(a)pyrene	23.28	252	542404	10.506	ng	98
92) Benzo(a,h,i)perylene	26.22	276	340346	6.395	ng	97

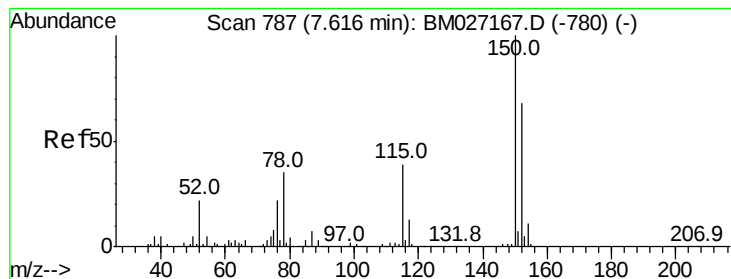
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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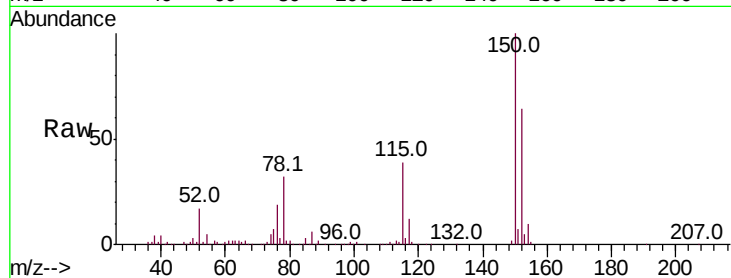


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 786
Delta R.T. -0.01 min
Lab File: BM027192.D
Acq: 22 Aug 2020 04:43

Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	118.2	177.4
115	60.2	46.1	69.1

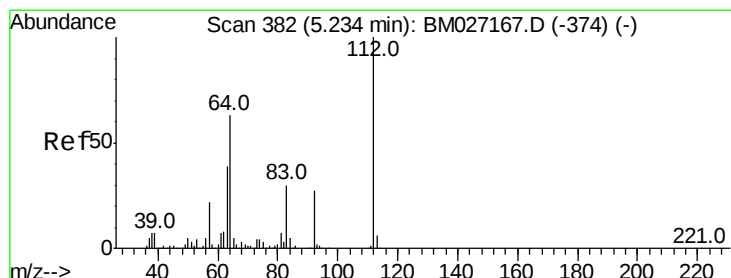
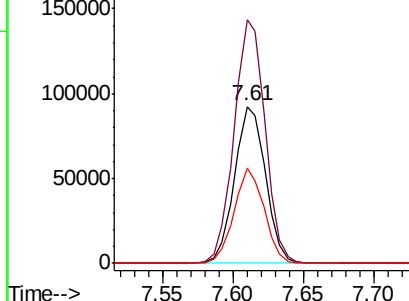
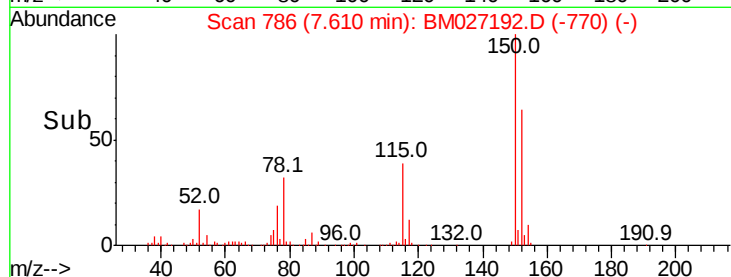


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

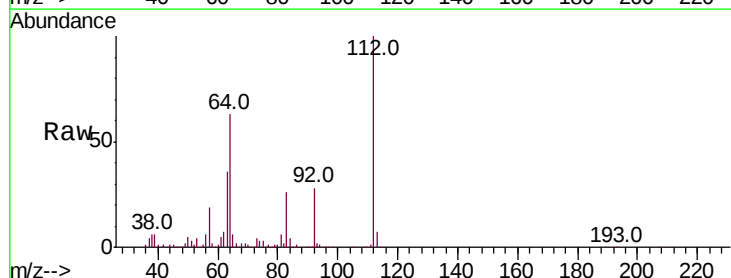
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 81.297 ng
RT: 5.23 min Scan# 382
Delta R.T. -0.00 min
Lab File: BM027192.D
Acq: 22 Aug 2020 04:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	50.0	75.0
63	35.7	31.6	47.4

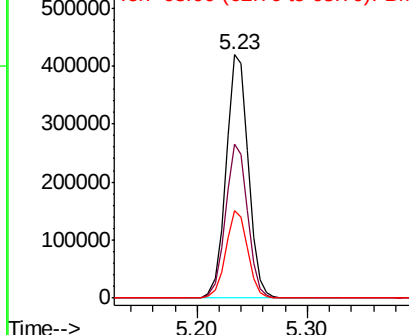
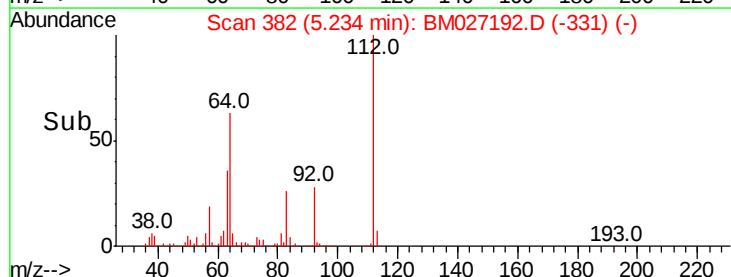


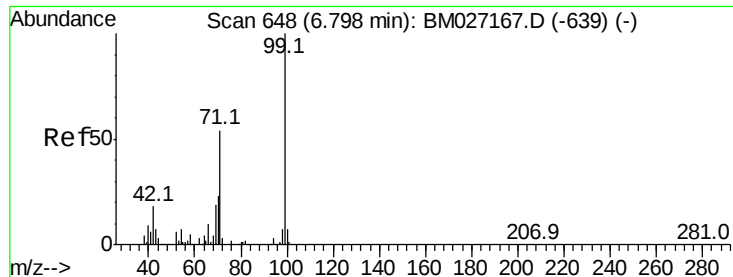
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BMC

Ion 63.00 (62.70 to 63.70): BMC





#7

Phenol-d6

Concen: 81.081 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.00 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Instrument :

BNA_M

ClientSampleId :

MP-081920-B9-0-2-COMP

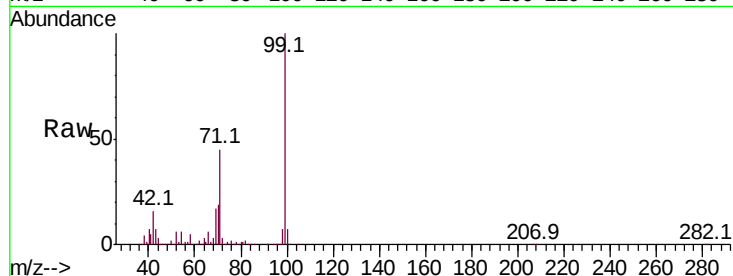
Tot Ion: 99 Resp: 808017

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

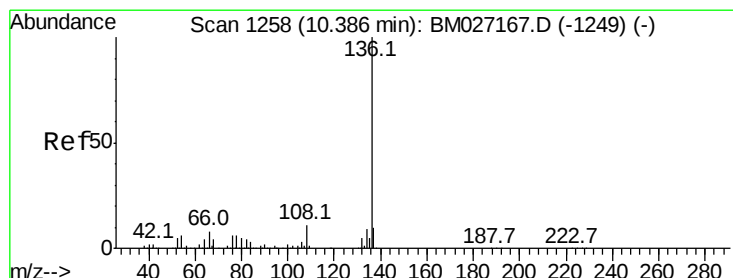
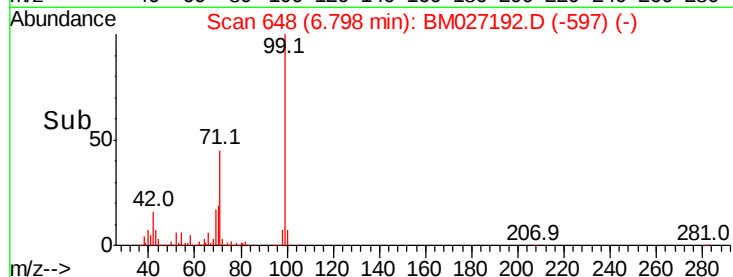
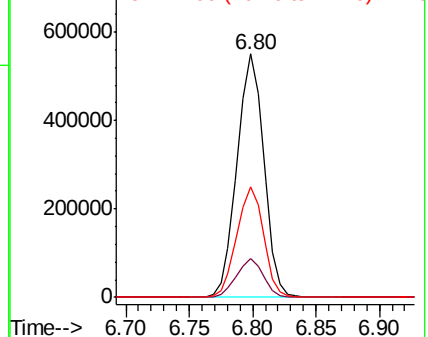
71 45.2 43.0 64.4



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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Tgt Ion: 136 Resp: 529272

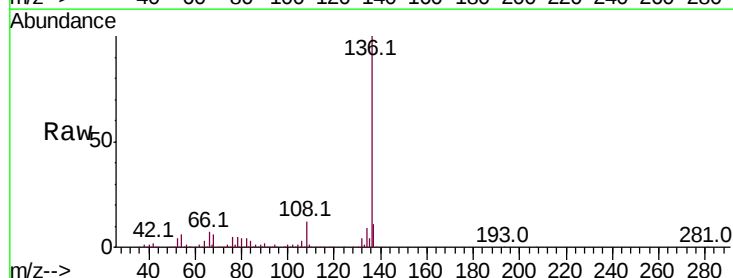
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 5.9 4.8 7.2

68 6.1 3.5 5.3#

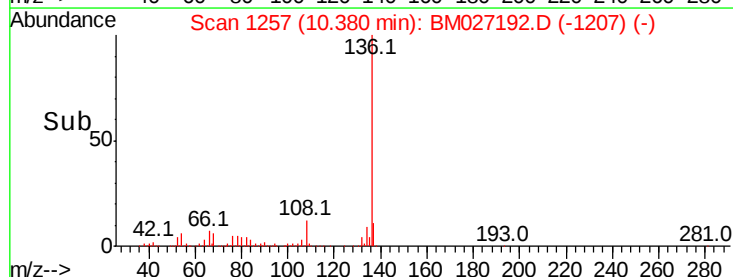
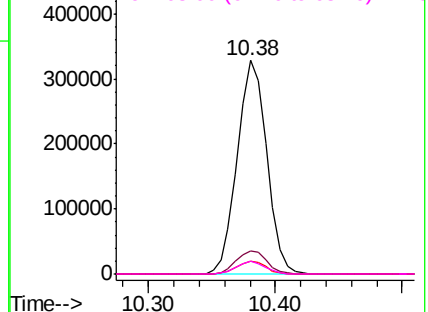


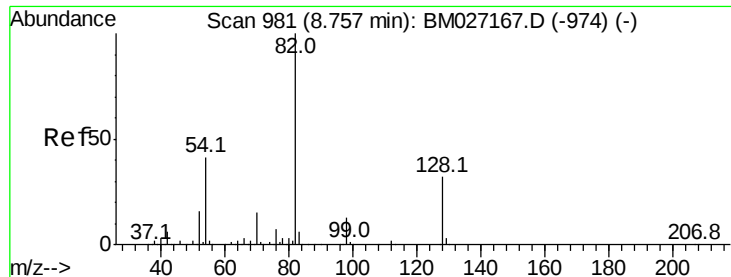
Abundance Ion 136.00 (135.70 to 136.70): BM027167.D (-1249) (-)

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) (-)

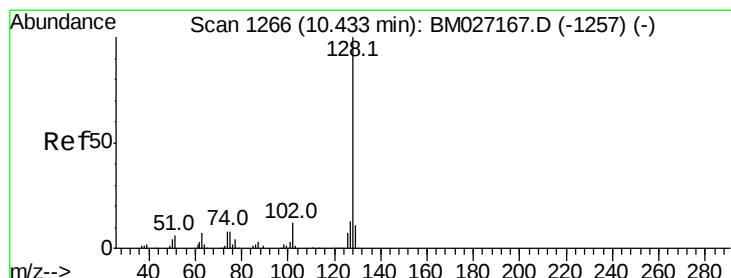
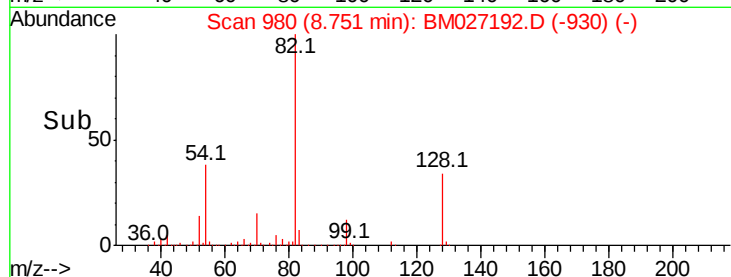
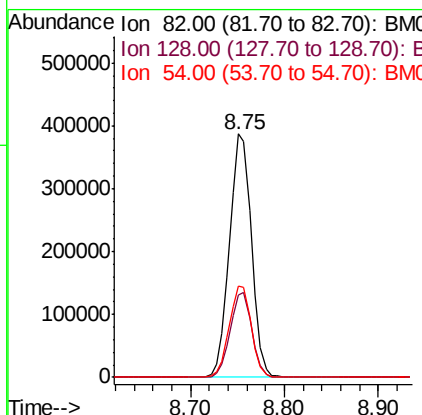
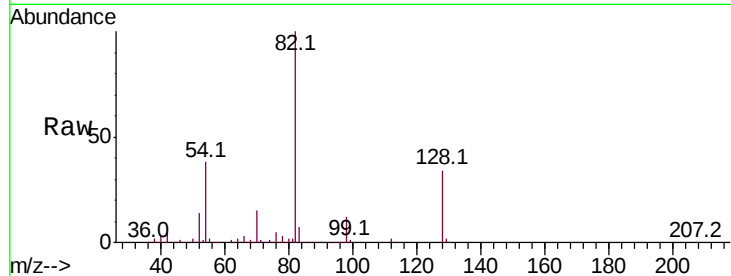




#23
 Nitrobenzene-d5
 Concen: 49.141 ng
 RT: 8.75 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BM027192.D
 Acq: 22 Aug 2020 04:43

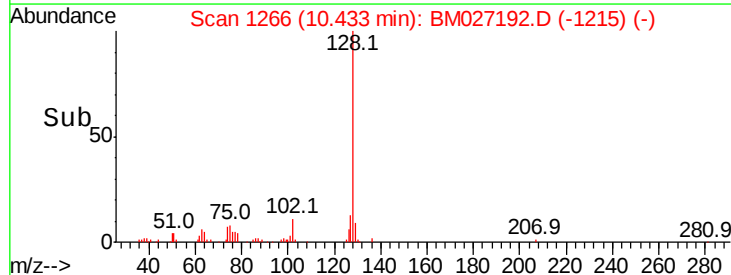
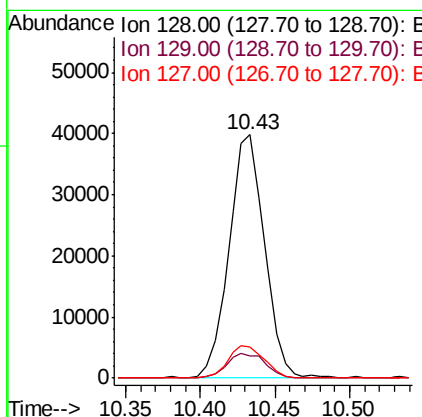
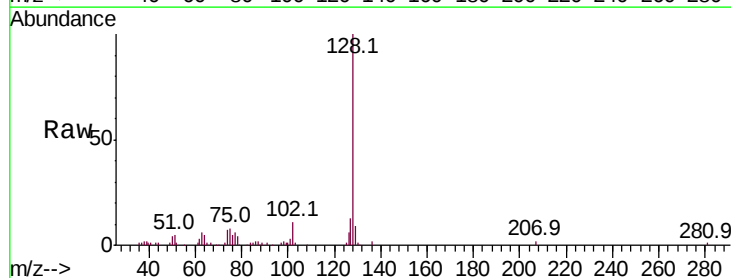
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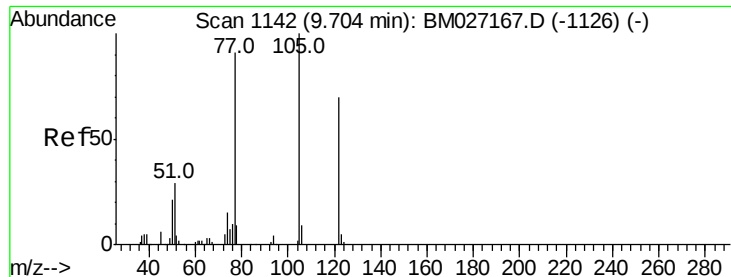
Tot Ion	82	Resp	630405
Ion Ratio	Lower	Upper	
82	100		
128	33.6	25.7	38.5
54	37.6	33.0	49.4



#31
 Naphthalene
 Concen: 2.466 ng
 RT: 10.43 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: BM027192.D
 Acq: 22 Aug 2020 04:43

Tgt Ion	128	Resp	66161
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
128	100		
129	9.1	9.0	13.4
127	13.0	10.7	16.1

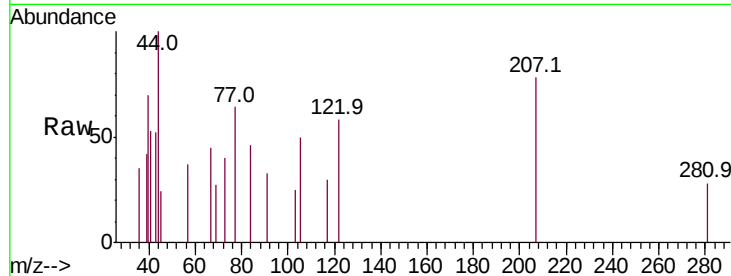




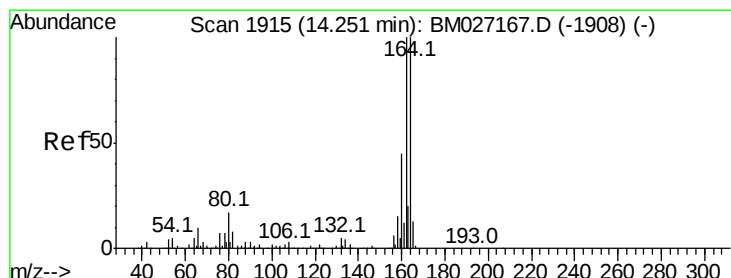
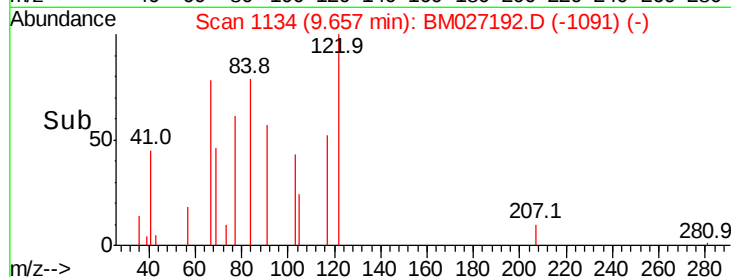
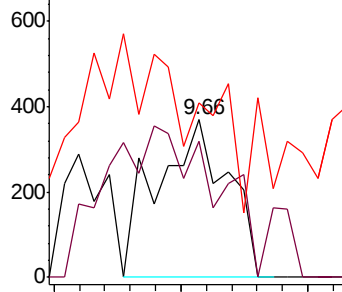
#32
Benzoic acid
Concen: 5.104 ng
RT: 9.66 min Scan# 1134
Delta R.T. -0.05 min
Lab File: BM027192.D
Acq: 22 Aug 2020 04:43

Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Tot Ion:122 Resp: 711
Ion Ratio Lower Upper
122 100
105 86.2 117.8 157.8#
77 110.3 107.8 147.8

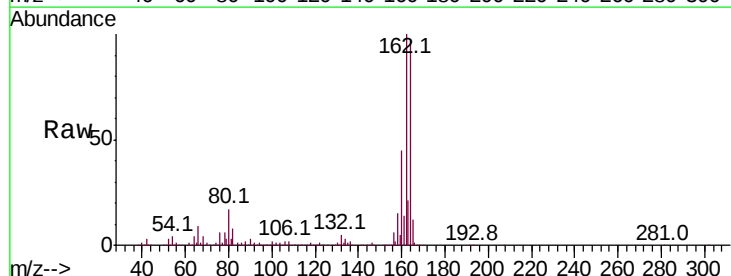


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM

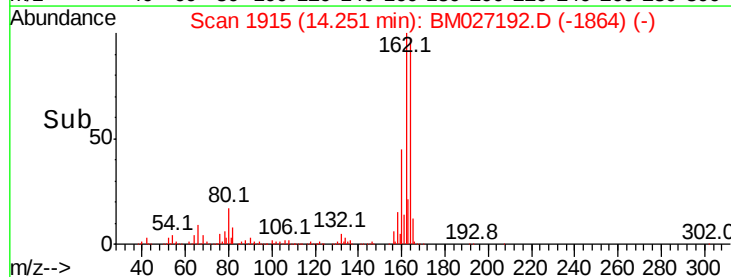
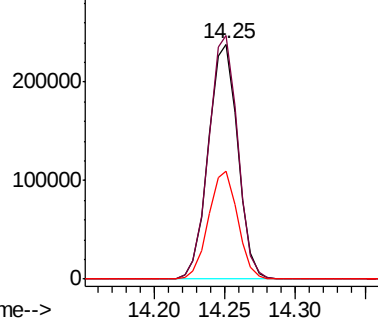


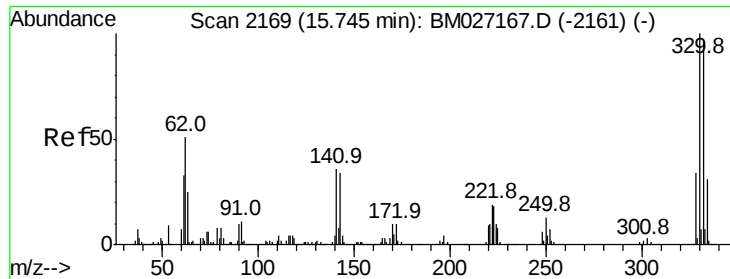
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: BM027192.D
Acq: 22 Aug 2020 04:43

Tgt Ion:164 Resp: 346187
Ion Ratio Lower Upper
164 100
162 103.6 80.2 120.4
160 46.2 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

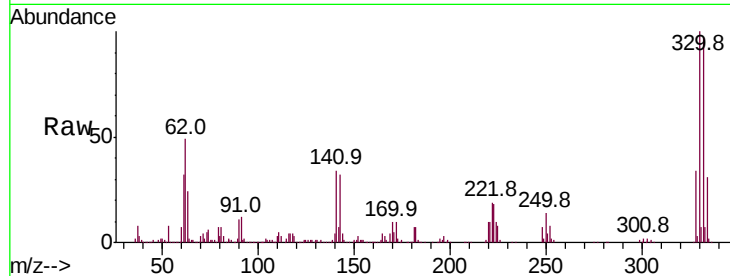




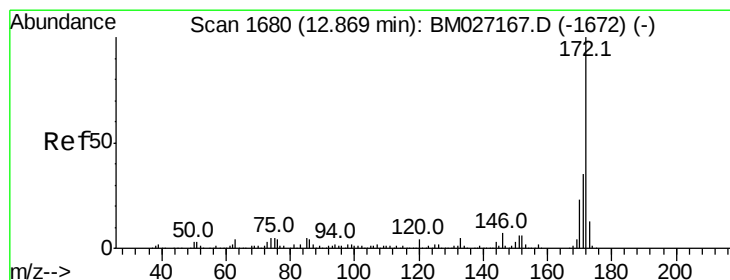
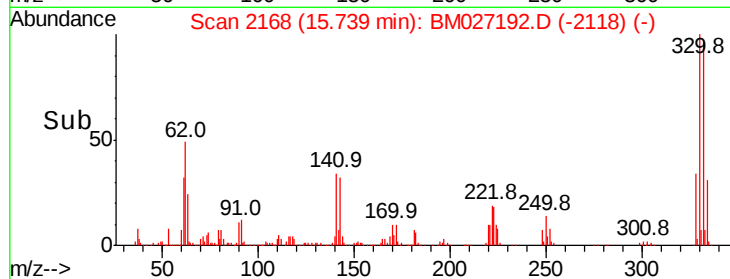
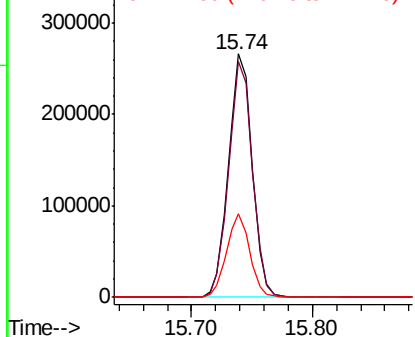
#42
 2,4,6-Tribromophenol
 Concen: 64.994 ng
 RT: 15.74 min Scan# 2168
 Delta R.T. -0.01 min
 Lab File: BM027192.D
 Acq: 22 Aug 2020 04:43

Instrument :
 BNA_M
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 MP-081920-B9-0-2-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.2	115.8
141	33.5	31.0	46.6

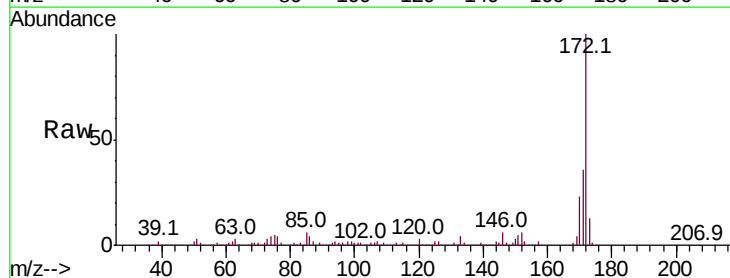


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

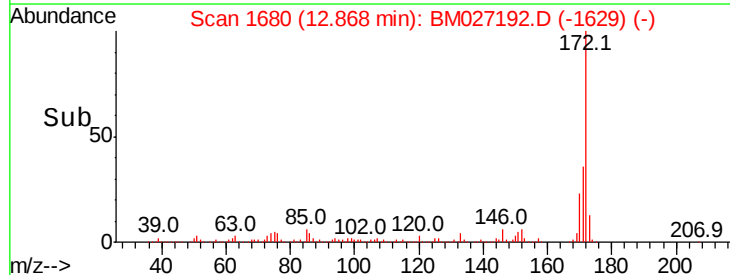
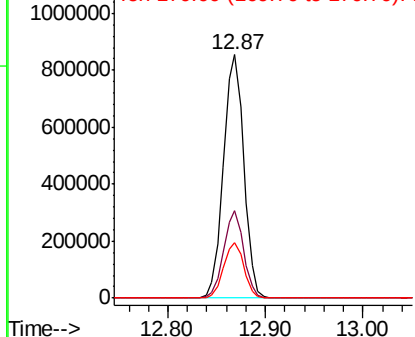


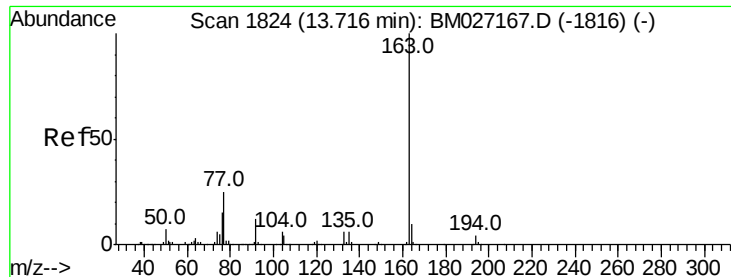
#45
 2-Fluorobiphenyl
 Concen: 46.914 ng
 RT: 12.87 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: BM027192.D
 Acq: 22 Aug 2020 04:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.1	42.1
170	22.9	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: 8.452 ng

RT: 13.71 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BM027192.D

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MP-081920-B9-0-2-COMP

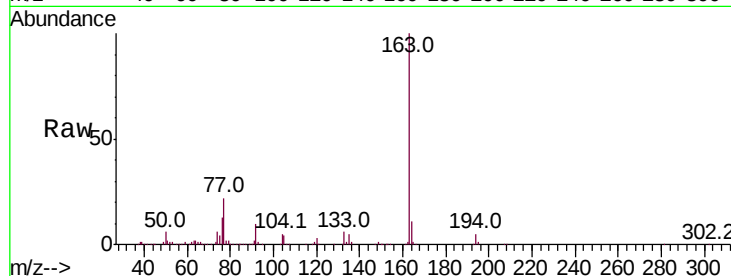
Tot Ion:163 Resp: 237558

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

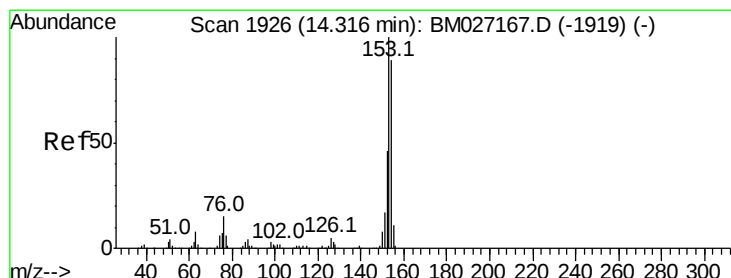
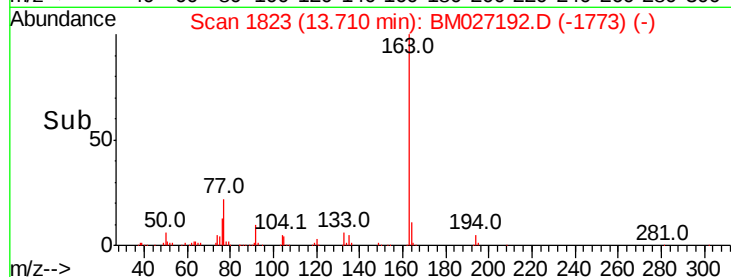
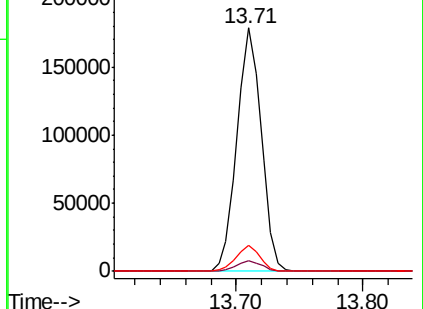
164 10.6 8.2 12.2



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



#52

Acenaphthene

Concen: 3.352 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

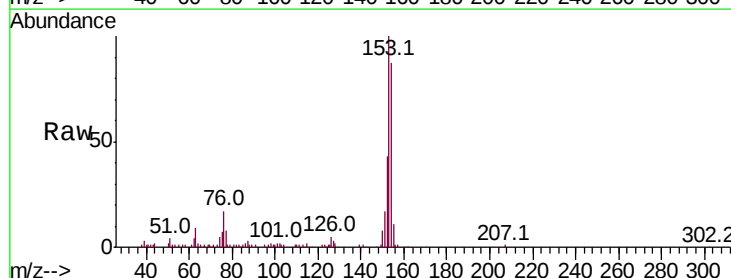
Tgt Ion:154 Resp: 65466

Ion Ratio Lower Upper

154 100

153 115.4 90.2 135.4

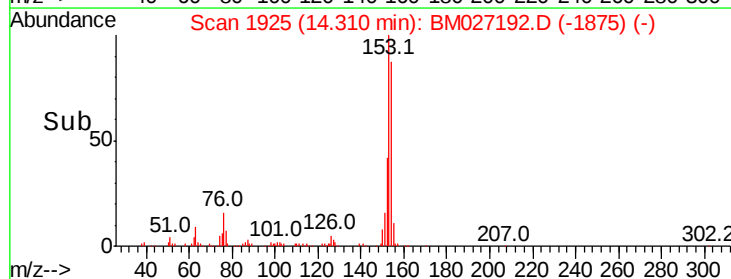
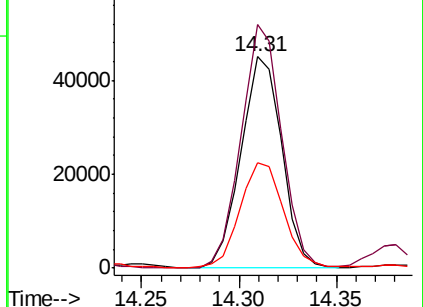
152 50.2 41.2 61.8

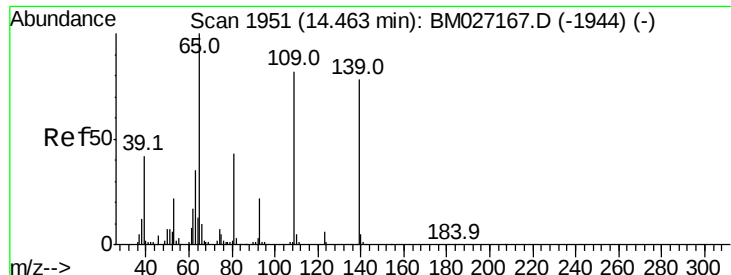


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#56

4-Nitrophenol

Concen: 4.686 ng

RT: 14.65 min Scan# 1983

Delta R.T. 0.19 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Instrument :

BNA_M

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MP-081920-B9-0-2-COMP

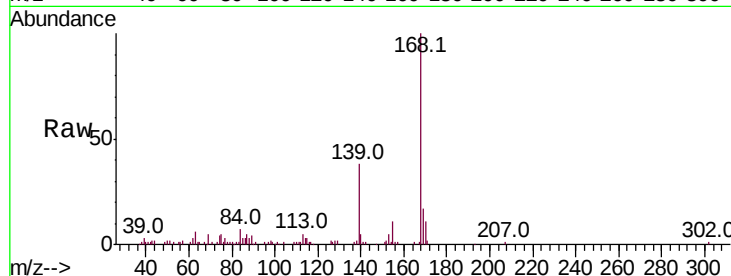
Tot Ion:139 Resp: 20158

Ion Ratio Lower Upper

139 100

109 2.7 85.4 125.4#

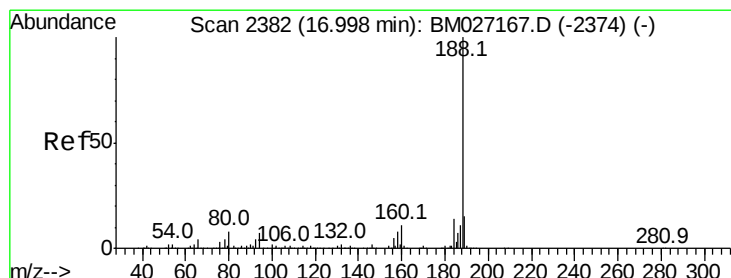
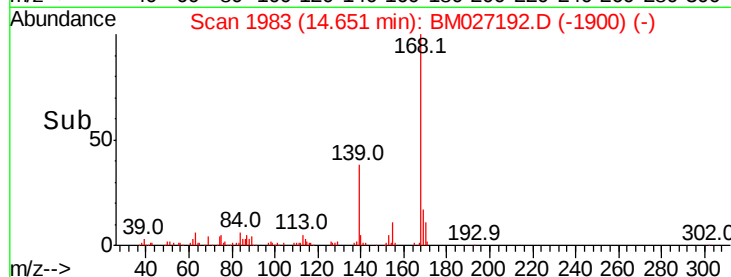
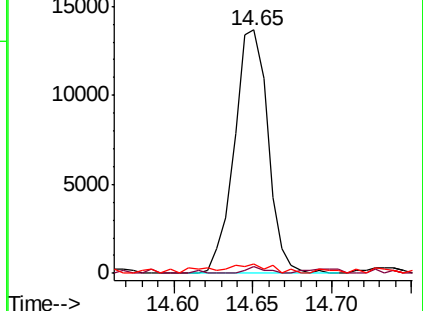
65 3.6 108.7 148.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BMC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

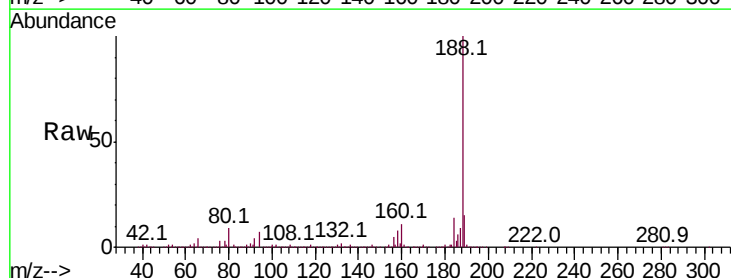
Tgt Ion:188 Resp: 755782

Ion Ratio Lower Upper

188 100

94 7.3 5.5 8.3

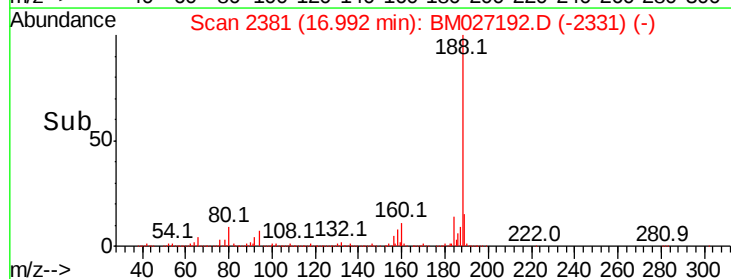
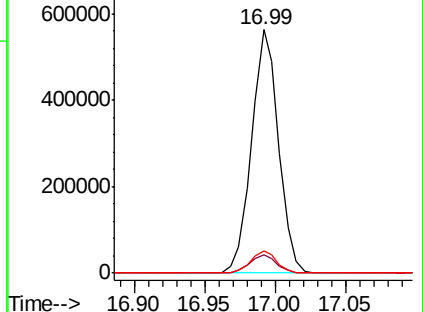
80 9.0 6.2 9.4

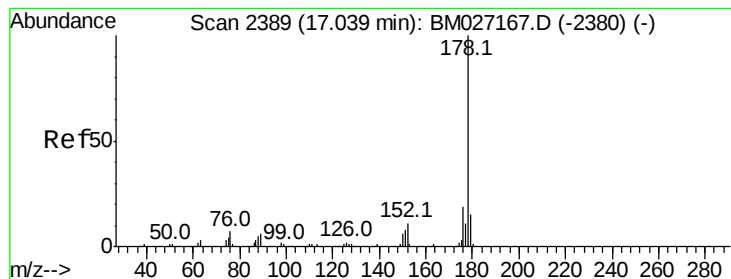


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BMC

Ion 80.00 (79.70 to 80.70): BMC





#71

Phenanthrene

Concen: 29.831 ng

RT: 17.03 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Instrument :

BNA_M

ClientSampleId :

MP-081920-B9-0-2-COMP

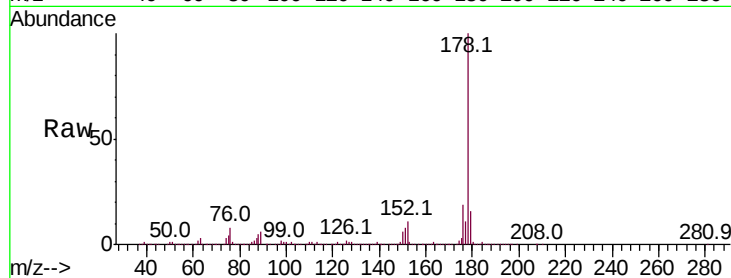
Tot Ion:178 Resp: 1253354

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

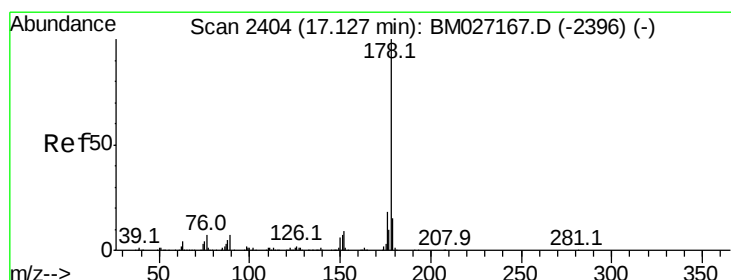
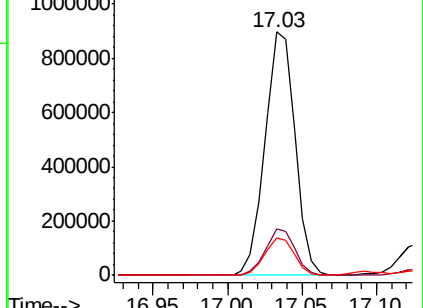
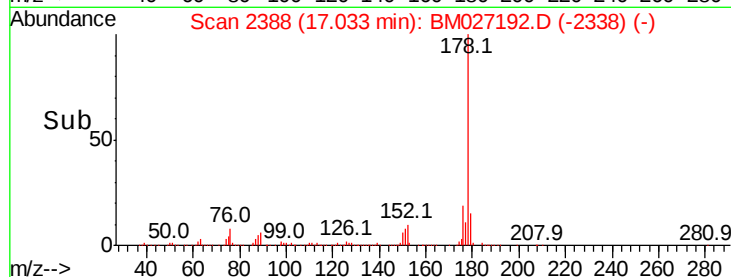
179 15.5 12.0 18.0



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



#72

Anthracene

Concen: 3.901 ng

RT: 17.13 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

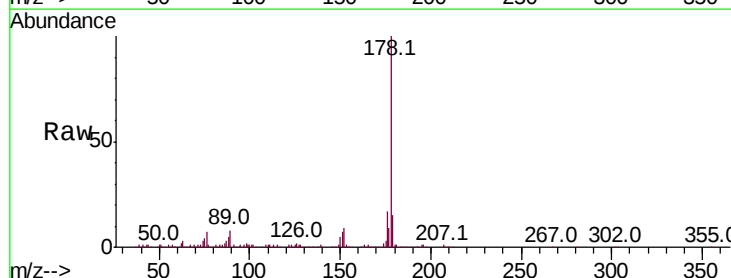
Tgt Ion:178 Resp: 156681

Ion Ratio Lower Upper

178 100

176 17.0 14.7 22.1

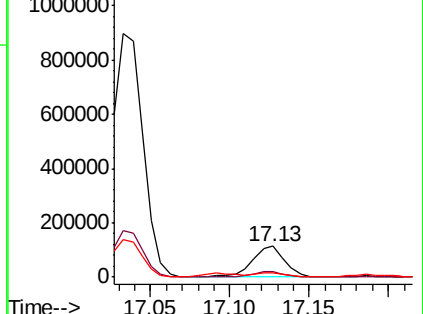
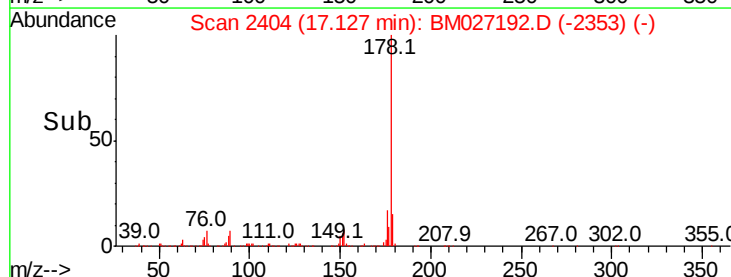
179 15.4 11.9 17.9

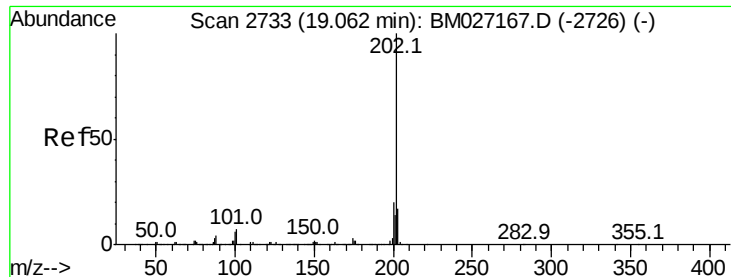


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 30.653 ng

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Instrument :

BNA_M

ClientSampleId :

MP-081920-B9-0-2-COMP

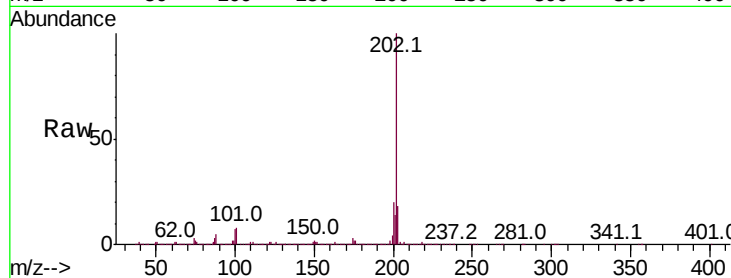
Tot Ion:202 Resp: 1608746

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.2
203	17.7	0.0	37.1

202 100

101 8.2 0.0 27.2

203 17.7 0.0 37.1

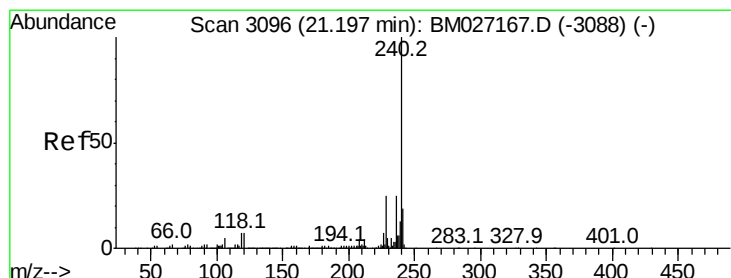
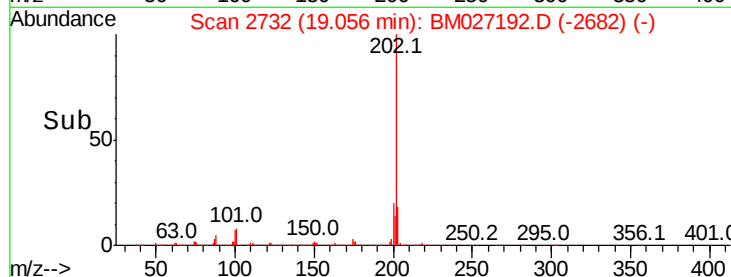
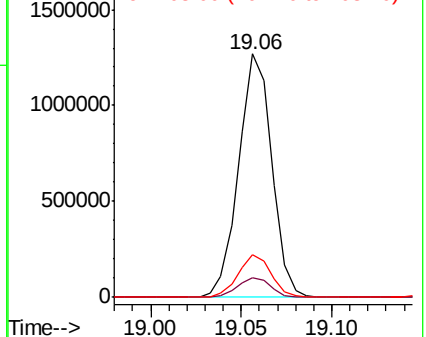


Abundance

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: BM027192.D

Acq: 22 Aug 2020 04:43

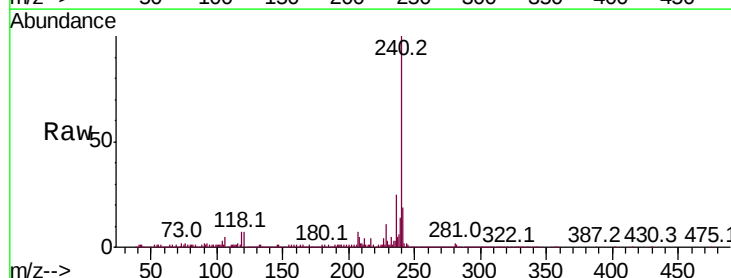
Tgt Ion:240 Resp: 804121

Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.6	8.4
236	24.8	19.8	29.6

240 100

120 7.0 5.6 8.4

236 24.8 19.8 29.6

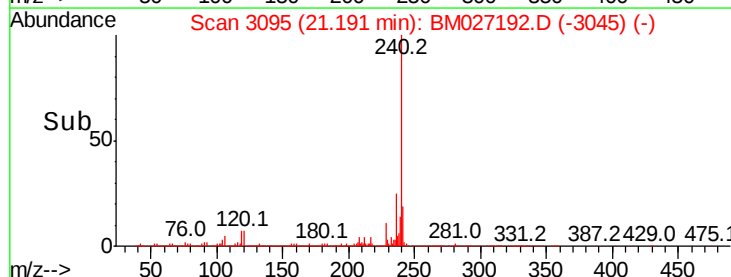
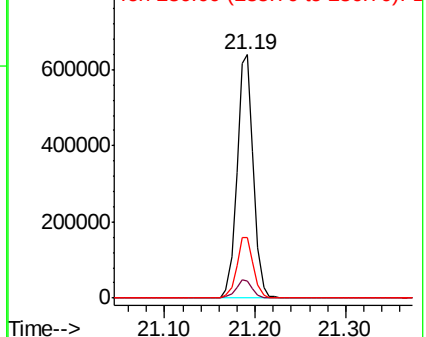


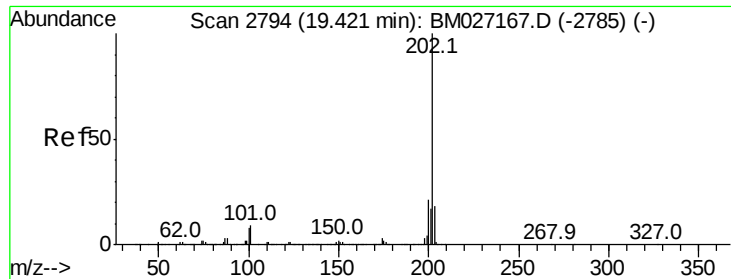
Abundance

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

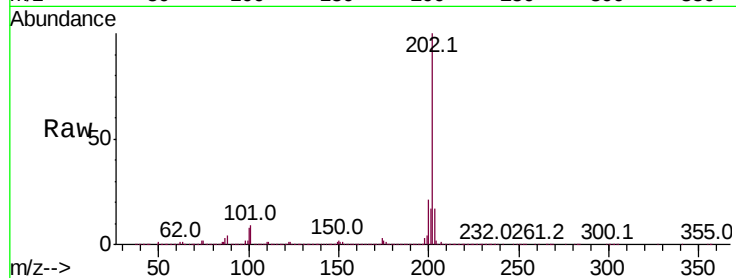




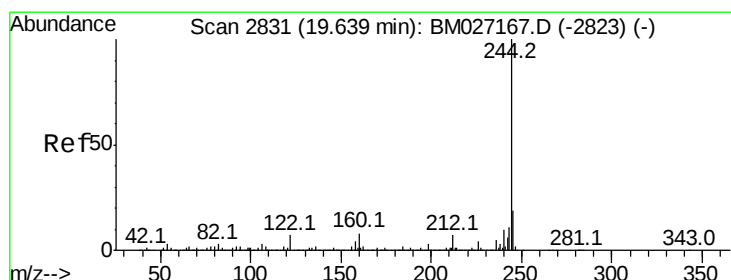
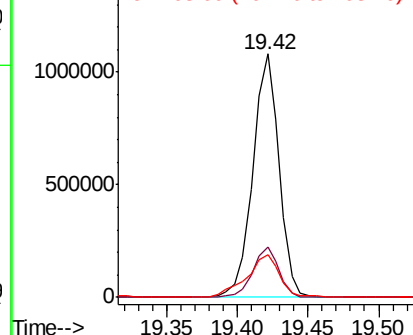
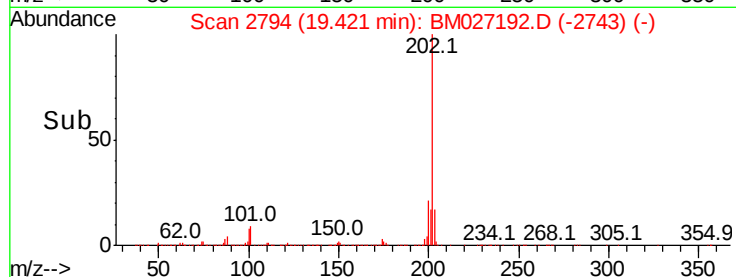
#78
Pvrene
Concen: 28.832 ng
RT: 19.42 min Scan# 2794
Delta R.T. -0.00 min
Lab File: BM027192.D
Acq: 22 Aug 2020 04:43

Instrument :
BNA_M
ClientSampleId :
MP-081920-B9-0-2-COMP

Tot Ion:202 Resp: 1410740
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 17.3 14.0 21.0

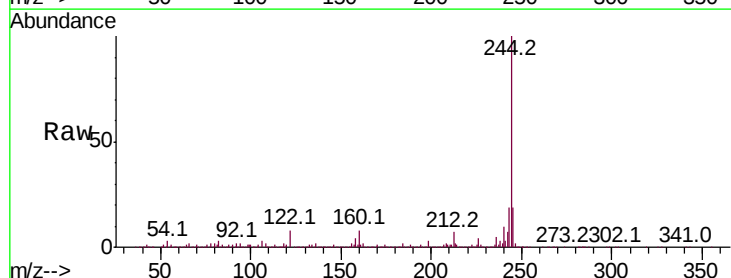


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

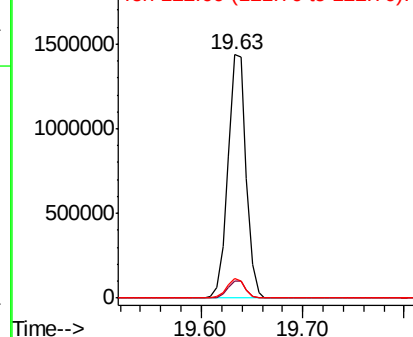
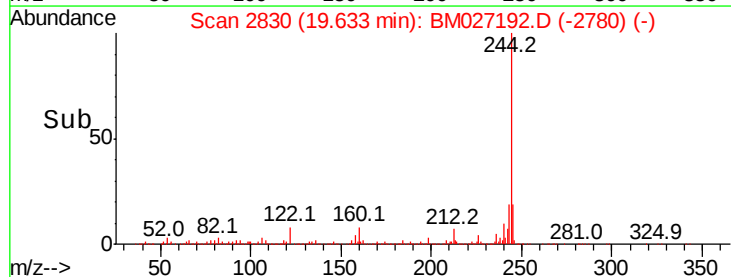


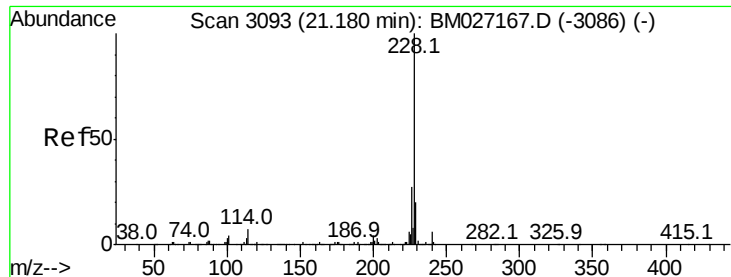
#79
Terphenyl-d14
Concen: 41.196 ng
RT: 19.63 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BM027192.D
Acq: 22 Aug 2020 04:43

Tgt Ion:244 Resp: 1773307
Ion Ratio Lower Upper
244 100
212 7.2 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: 12.516 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Instrument :

BNA_M

ClientSampleId :

MP-081920-B9-0-2-COMP

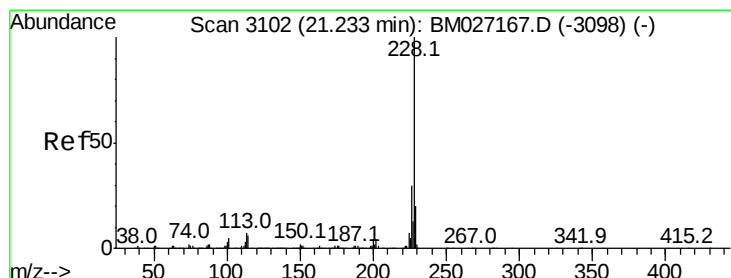
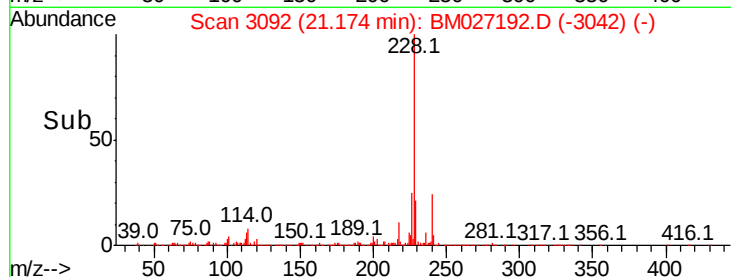
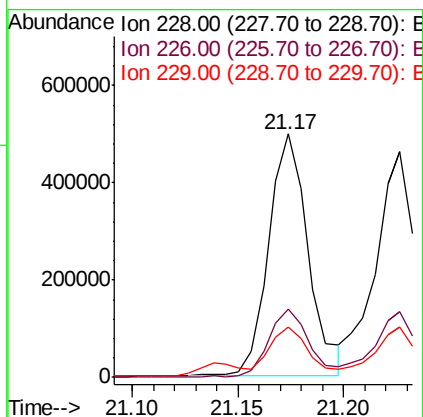
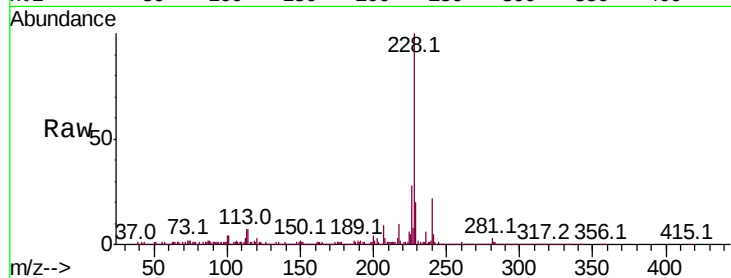
Tot Ion:228 Resp: 652166

Ion Ratio Lower Upper

228 100

226 27.9 21.4 32.2

229 20.5 15.8 23.6



#83

Chrysene

Concen: 11.975 ng

RT: 21.23 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

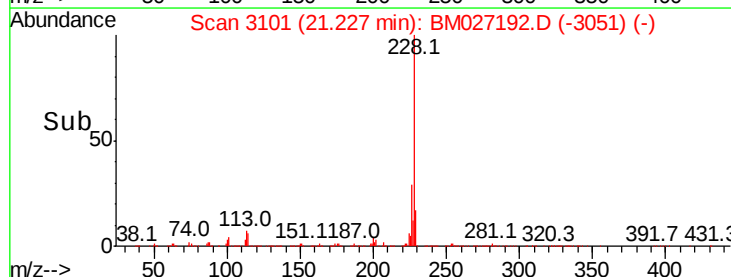
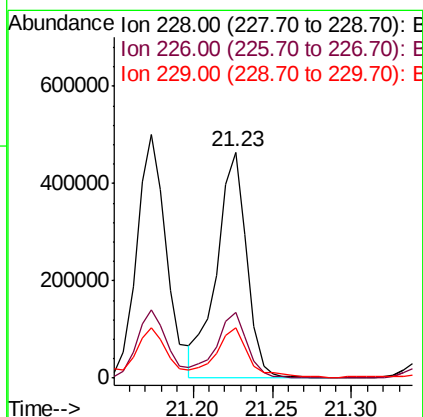
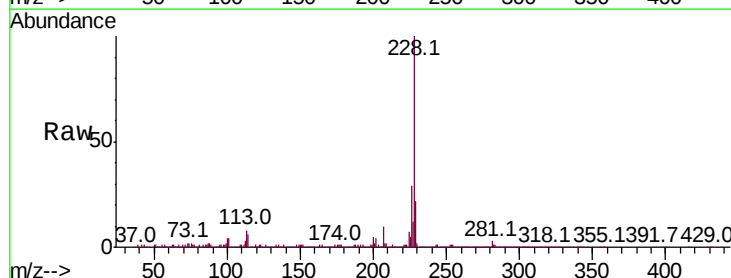
Tgt Ion:228 Resp: 606027

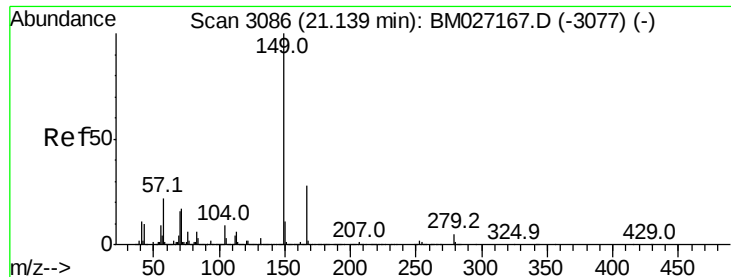
Ion Ratio Lower Upper

228 100

226 29.1 23.7 35.5

229 22.2 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.253 ng

RT: 21.13 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Instrument :

BNA_M

ClientSampleId :

MP-081920-B9-0-2-COMP

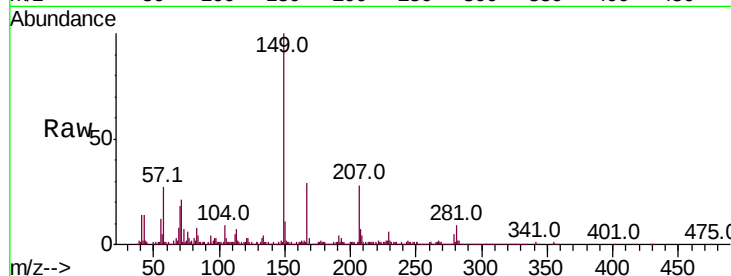
Tot Ion:149 Resp: 159167

Ion Ratio Lower Upper

149 100

167 28.9 22.2 33.2

279 5.0 4.2 6.4

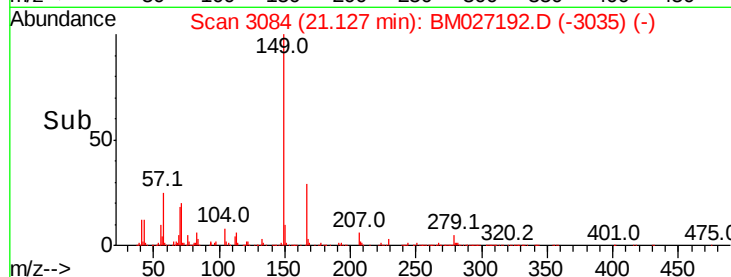


Abundance Ion 149.00 (148.70 to 149.70): E

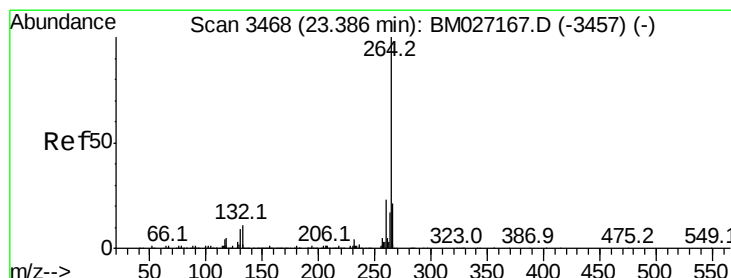
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.13



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.37 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

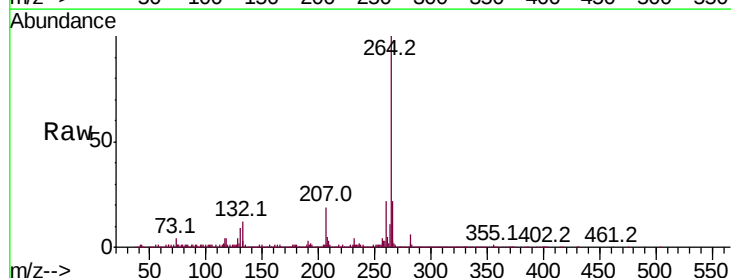
Tgt Ion:264 Resp: 848095

Ion Ratio Lower Upper

264 100

260 22.4 18.8 28.2

265 21.8 17.5 26.3

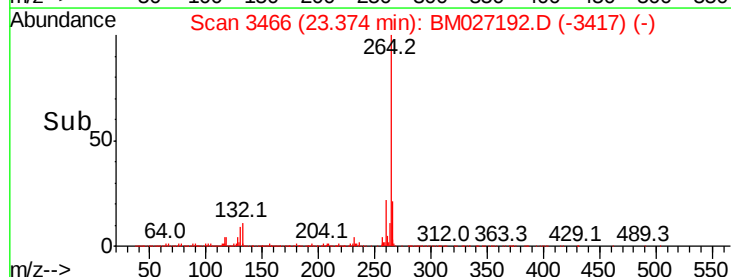


Abundance Ion 264.00 (263.70 to 264.70): E

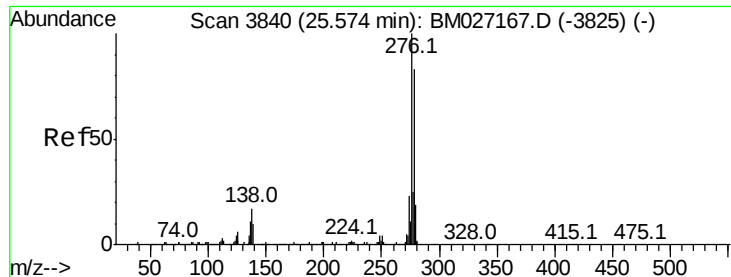
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

23.37



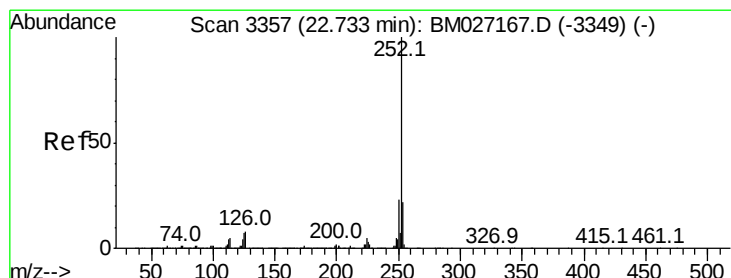
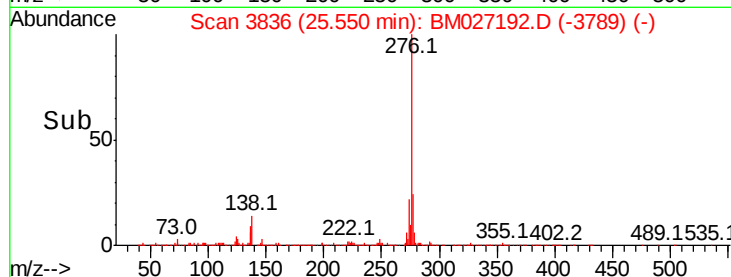
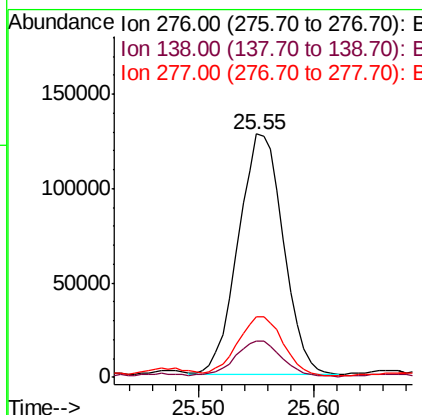
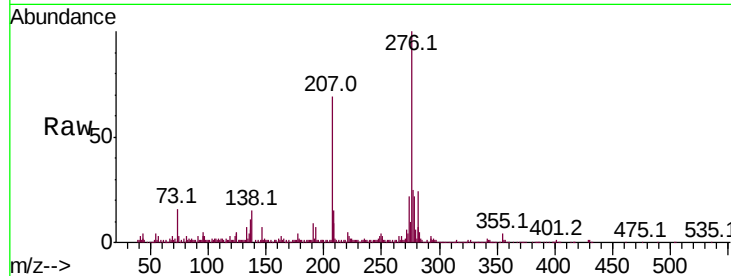
Time-->



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.213 ng
 RT: 25.55 min Scan# 3836
 Delta R.T. -0.02 min
 Lab File: BM027192.D
 Acq: 22 Aug 2020 04:43

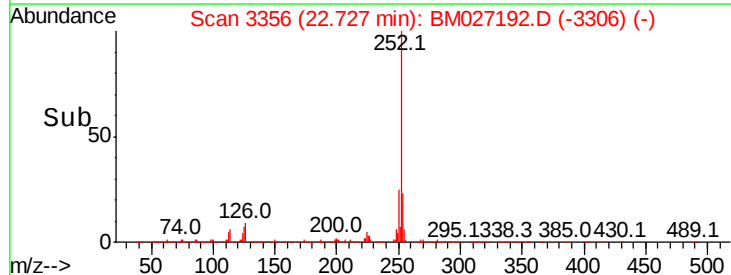
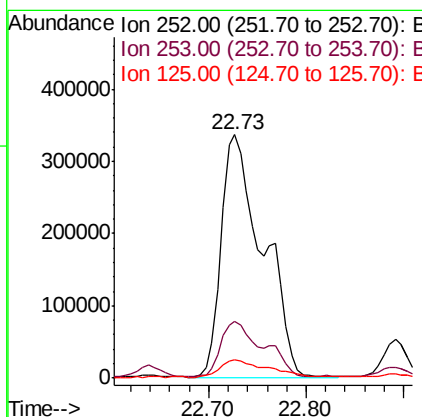
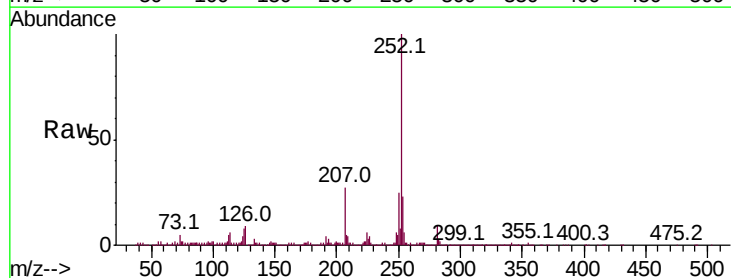
Instrument :
 BNA_M
 ClientSampleId :
 MP-081920-B9-0-2-COMP

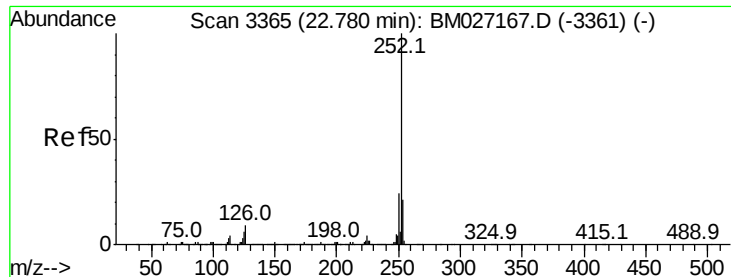
Tot Ion:276	Resp:	346042
Ion Ratio	Lower	Upper
276	100	
138	14.9	13.3 19.9
277	24.9	20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 17.576 ng
 RT: 22.73 min Scan# 3356
 Delta R.T. -0.01 min
 Lab File: BM027192.D
 Acq: 22 Aug 2020 04:43

Tgt Ion:252	Resp:	994022
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.7 26.5
125	7.6	5.4 8.0





#89

Benzo(k)fluoranthene

Concen: 17.952 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Instrument :

BNA_M

ClientSampleId :

MP-081920-B9-0-2-COMP

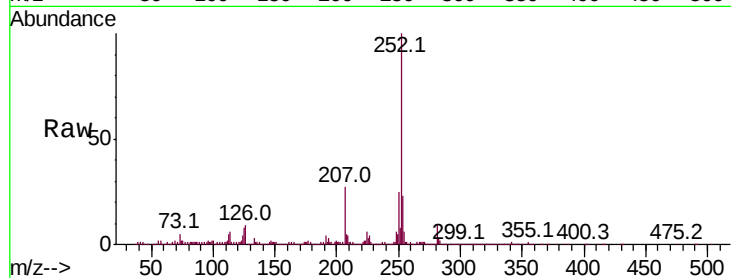
Tot Ion:252 Resp: 994022

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

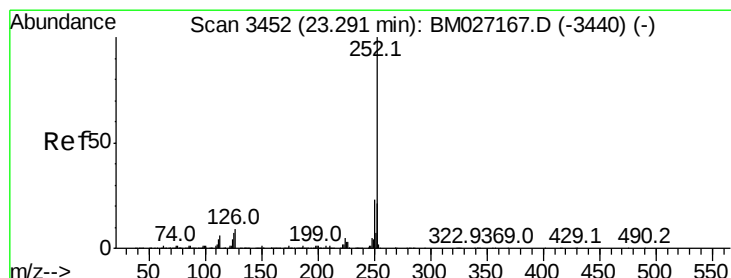
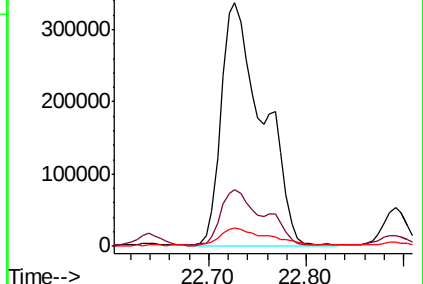
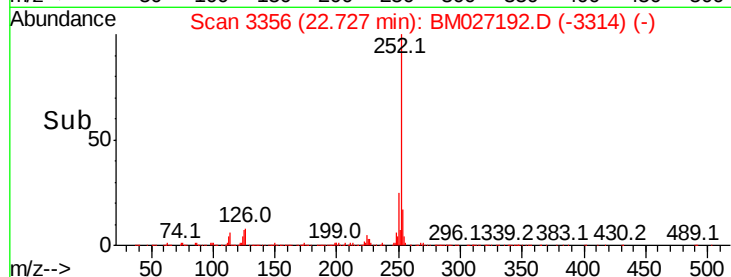
125 7.6 5.3 7.9



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: 10.506 ng

RT: 23.28 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

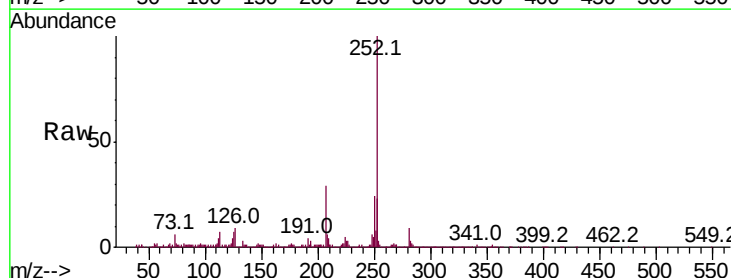
Tgt Ion:252 Resp: 542404

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

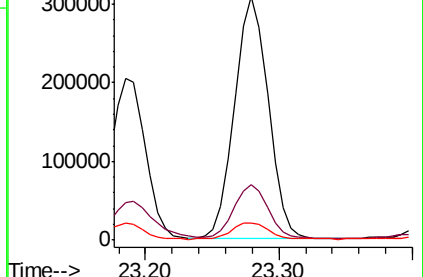
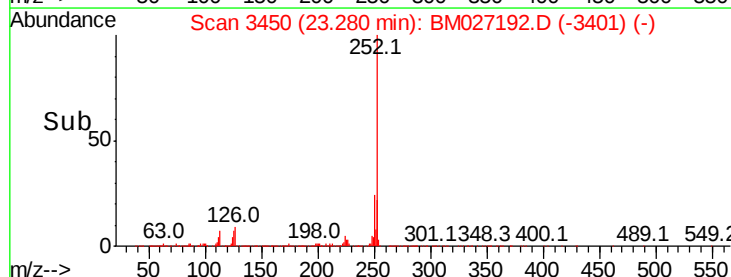
125 7.1 5.8 8.6

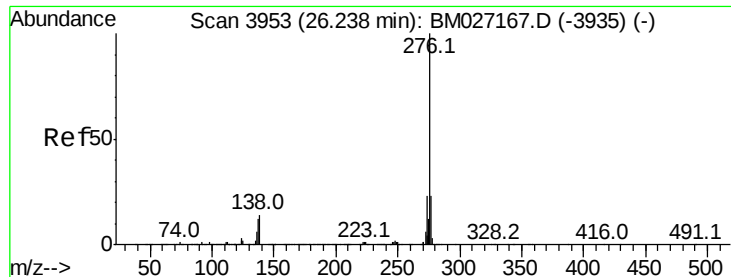


Abundance Ion 252.00 (251.70 to 252.70): E

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: 6.395 ng

RT: 26.22 min Scan# 3950

Delta R.T. -0.02 min

Lab File: BM027192.D

Acq: 22 Aug 2020 04:43

Instrument :

BNA_M

ClientSampleId :

MP-081920-B9-0-2-COMP

Tot Ion:276 Resp: 340346

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 15.7 11.4 17.0

