

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118907.D
 Acq On : 12 Feb 2020 2:18
 Operator : CG/JU
 Sample : L1468-05DL 50X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP9-EP1-2.5DL

Quant Time: Feb 12 06:54:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	192407	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	767532	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	529879	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	791753	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	627509	20.00	ng	-0.01
87) Perylene-d12	15.42	264	766572	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	21656	2.13	ng	0.00
7) Phenol-d6	6.45	99	23453	1.86	ng	0.00
23) Nitrobenzene-d5	7.36	82	14932	1.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	7533	1.19	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	47140	1.59	ng	-0.02
79) Terphenyl-d14	12.91	244	49633	1.62	ng	-0.02

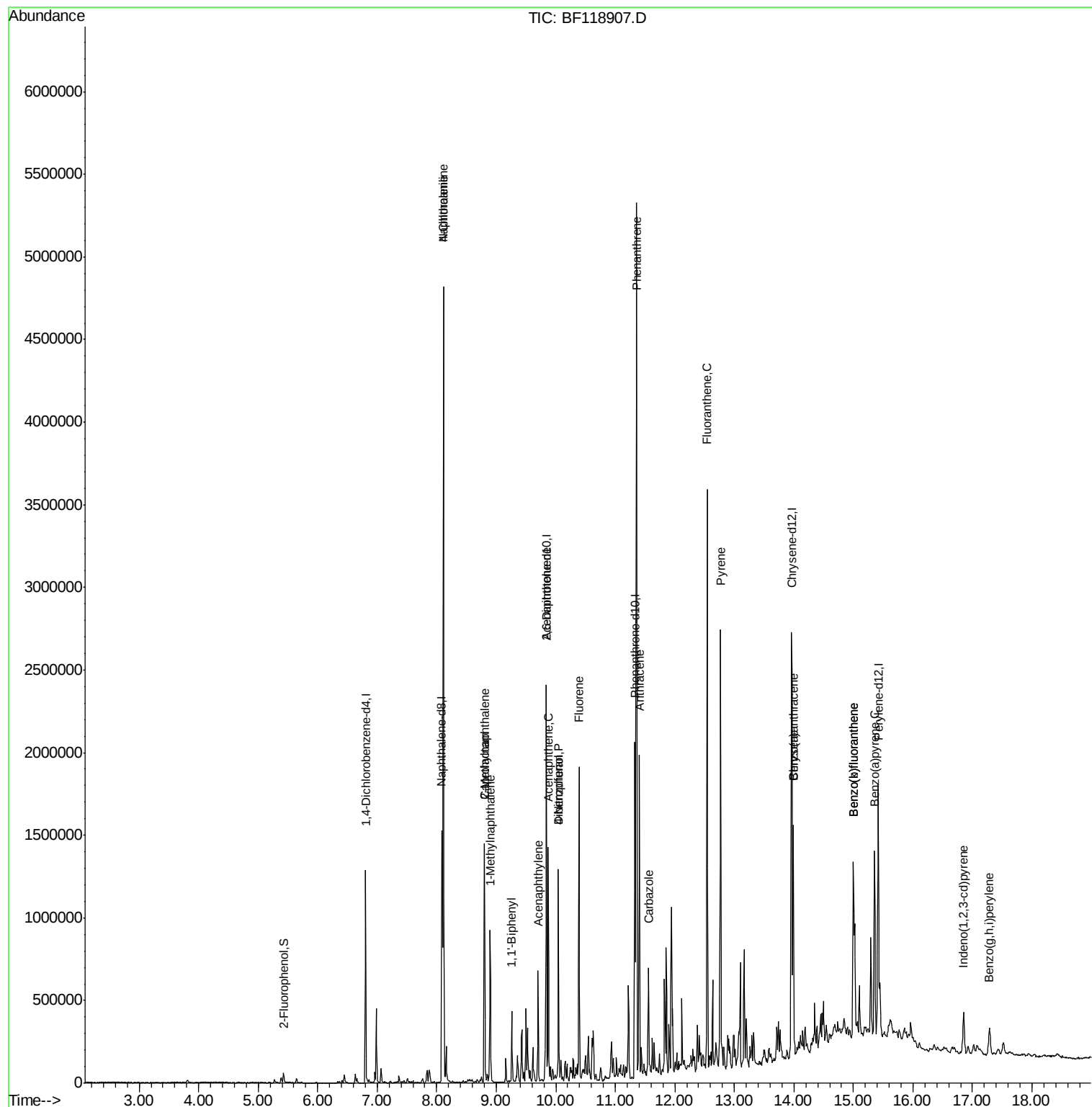
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	288	Below Cal	#	1
31) Naphthalene	8.12	128	2268198	64.614	ng	100
33) 4-Chloroaniline	8.12	127	316601	20.159	ng	# 36
35) Caprolactam	8.80	113	8371	2.316	ng	# 1
37) 2-Methylnaphthalene	8.80	142	421851	17.327	ng	98
38) 1-Methylnaphthalene	8.90	142	237294	10.361	ng	100
46) 1,1'-Biphenyl	9.26	154	131502	3.588	ng	97
49) Acenaphthylene	9.70	152	260827	5.928	ng	98
51) 2,6-Dinitrotoluene	9.84	165	79574	9.639	ng	# 31
52) Acenaphthene	9.87	154	275678	9.509	ng	98
55) Dibenzofuran	10.05	168	444131	10.600	ng	96
56) 4-Nitrophenol	10.05	139	156018	23.546	ng	# 11
58) Fluorene	10.39	166	575026	18.242	ng	100
71) Phenanthrene	11.36	178	1977876	50.773	ng	99
72) Anthracene	11.40	178	690857	17.827	ng	97
73) Carbazole	11.56	167	259869	7.641	ng	95
75) Fluoranthene	12.54	202	1386923	32.609	ng	99
78) Pyrene	12.77	202	1164615	27.053	ng	98
81) Benzo(a)anthracene	13.99	228	490026	13.123	ng	96
83) Chrysene	13.99	228	490026	13.075	ng	97
86) Indeno(1,2,3-cd)pyrene	16.85	276	157863	4.192	ng	97
88) Benzo(b)fluoranthene	15.00	252	883921	18.583	ng	99
89) Benzo(k)fluoranthene	15.00	252	883921	21.340	ng	# 98
90) Benzo(a)pyrene	15.36	252	537787	13.211	ng	99
92) Benzo(g,h,i)perylene	17.29	276	136509	3.928	ng	99

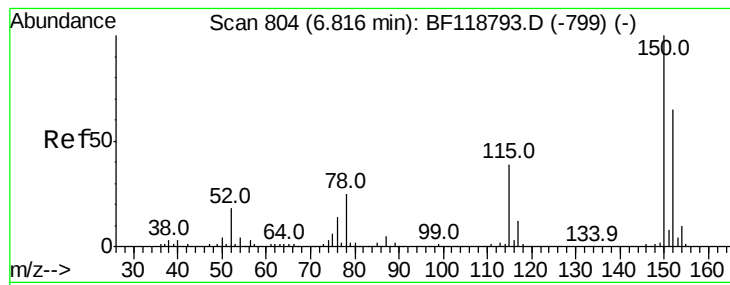
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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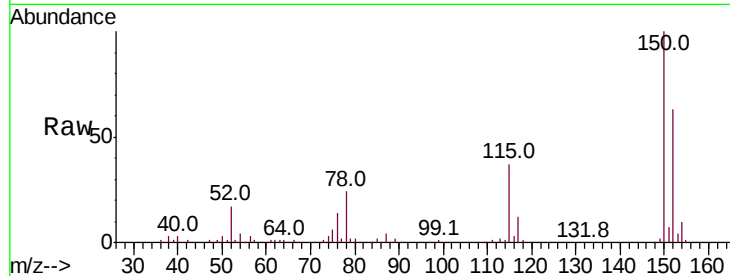


#1

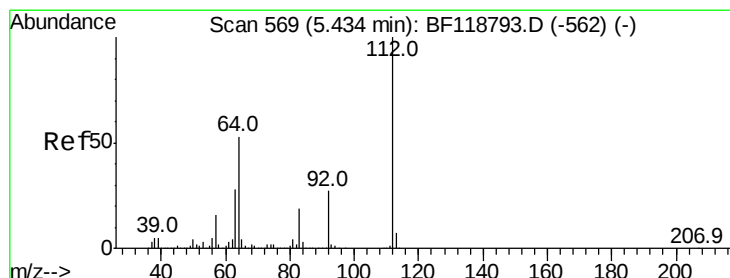
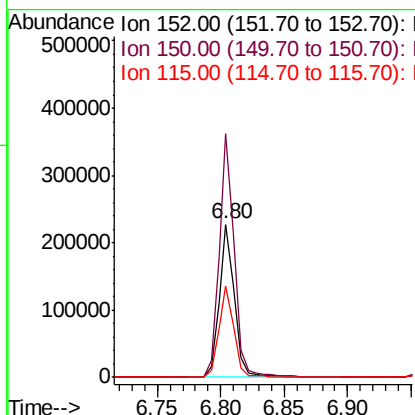
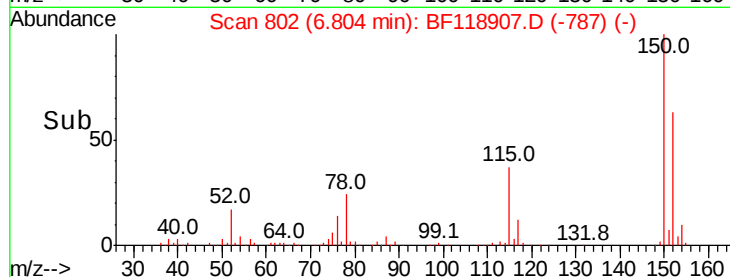
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118907.D
 Acq: 12 Feb 2020 2:18

Instrument :
 BNA_F
 ClientSampleId :
 TP9-EP1-2.5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	123.6	185.4
115	59.3	48.2	72.2



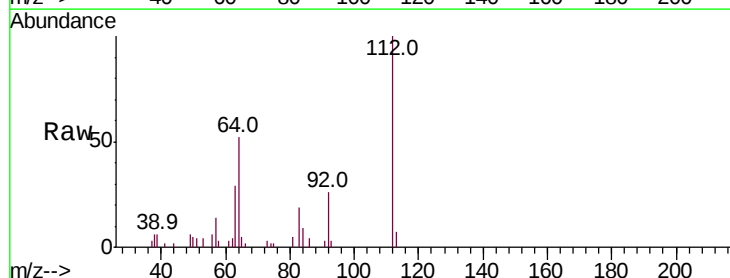
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



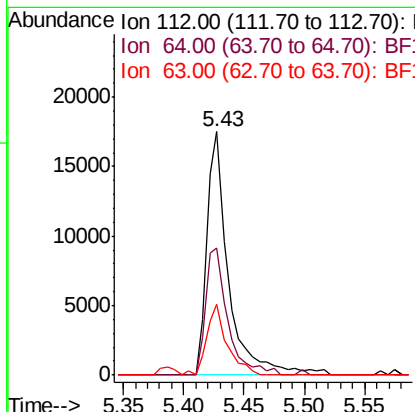
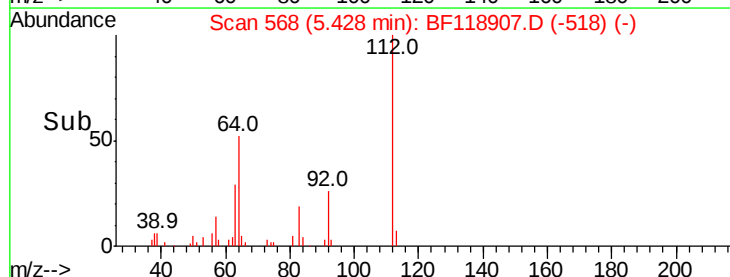
#5

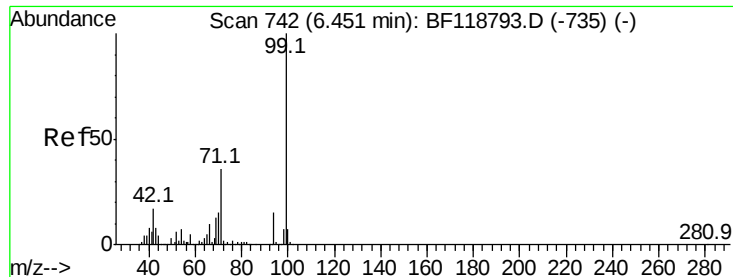
2-Fluorophenol
 Concen: 2.131 ng
 RT: 5.43 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF118907.D
 Acq: 12 Feb 2020 2:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	63.8
63	29.0	22.2	33.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 1.859 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

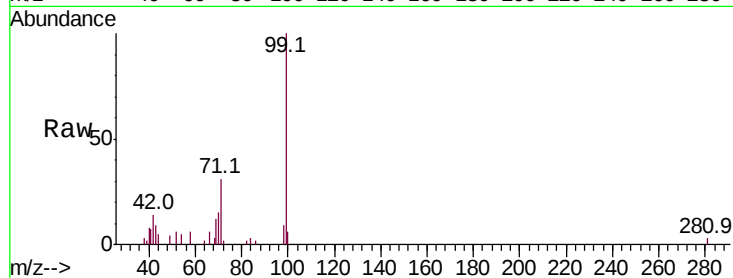
Tot Ion: 99 Resp: 23453

Ion Ratio Lower Upper

99 100

42 14.1 13.4 20.0

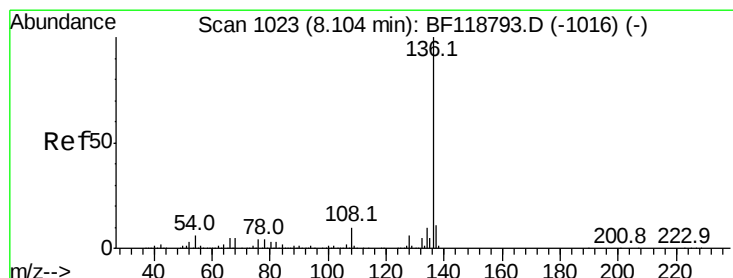
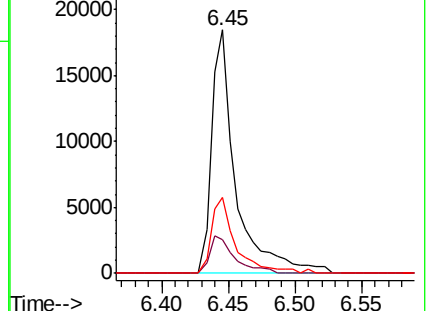
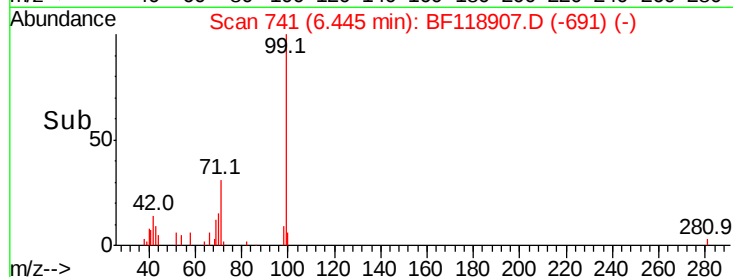
71 31.3 29.0 43.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Tgt Ion: 136 Resp: 767532

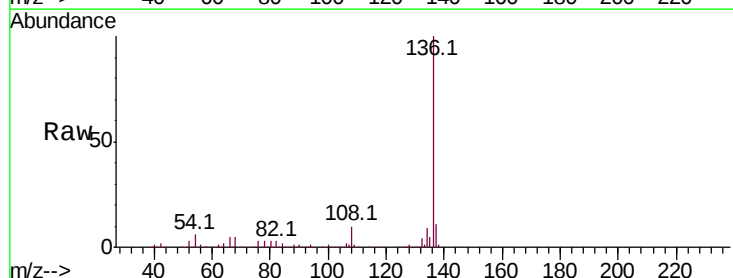
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 5.7 5.0 7.6

68 5.0 4.2 6.4

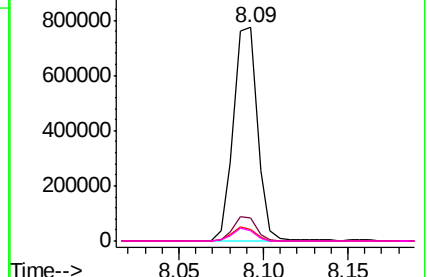
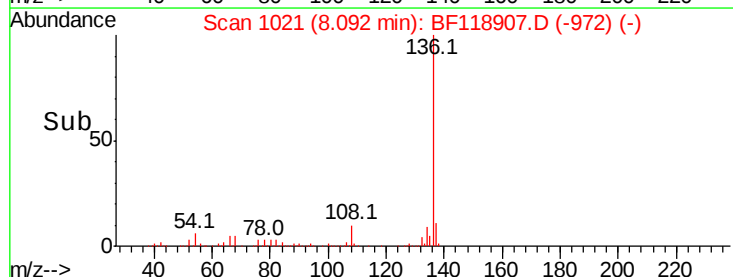


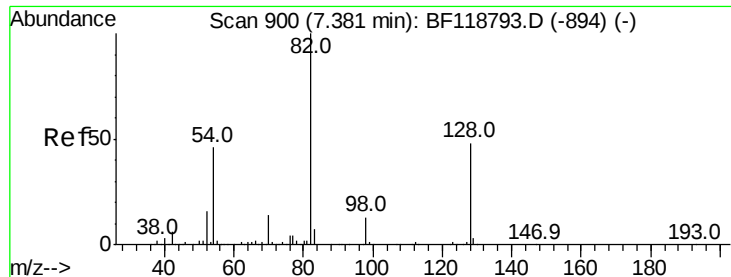
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 1.160 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

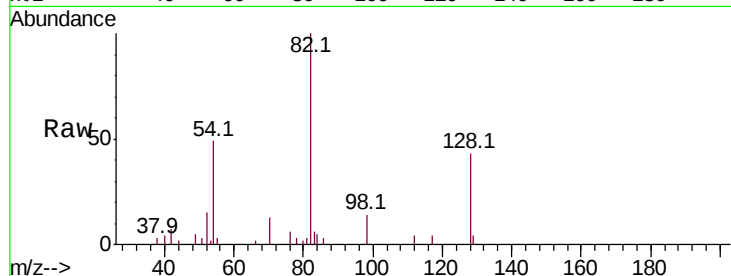
Tot Ion: 82 Resp: 14932

Ion Ratio Lower Upper

82 100

128 43.4 38.5 57.7

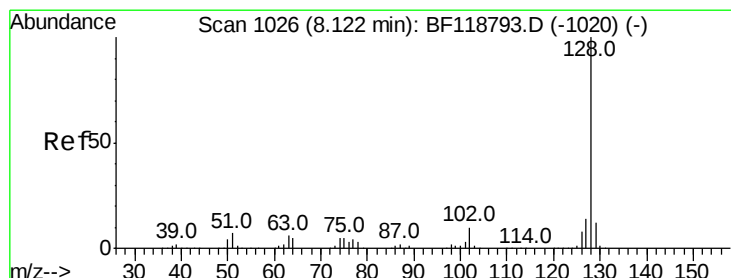
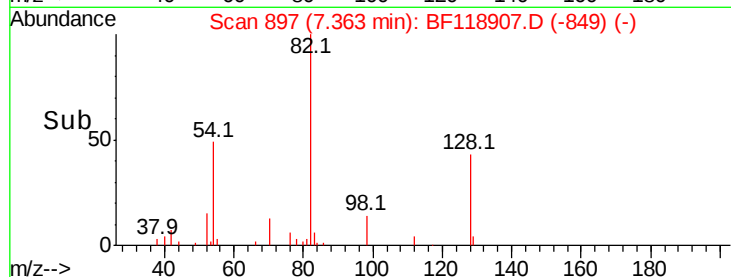
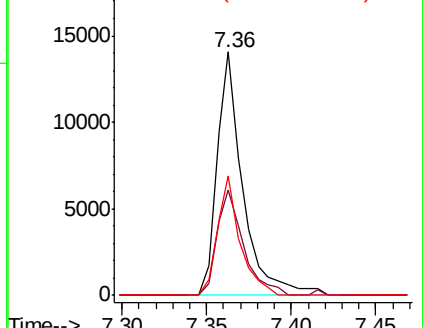
54 48.8 36.7 55.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 64.614 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

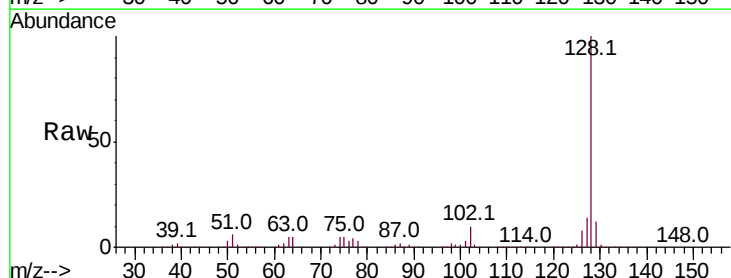
Tgt Ion:128 Resp: 2268198

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.2

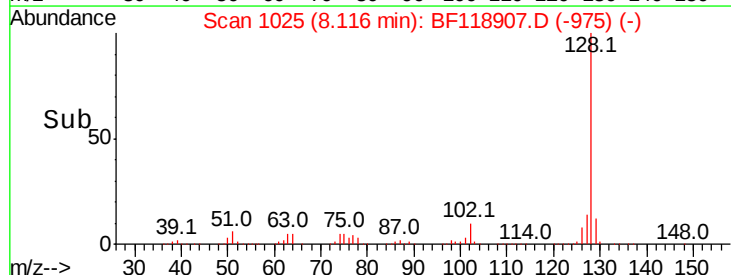
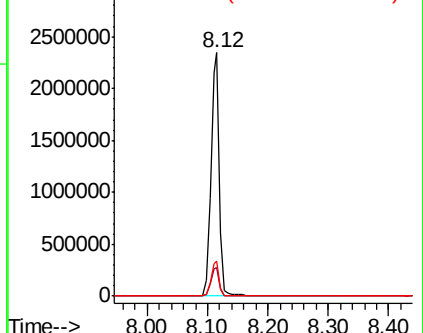
127 14.3 11.3 16.9

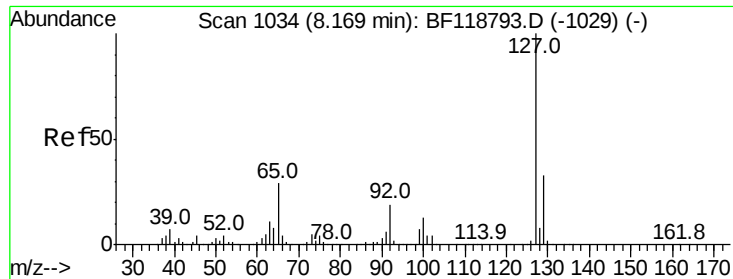


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

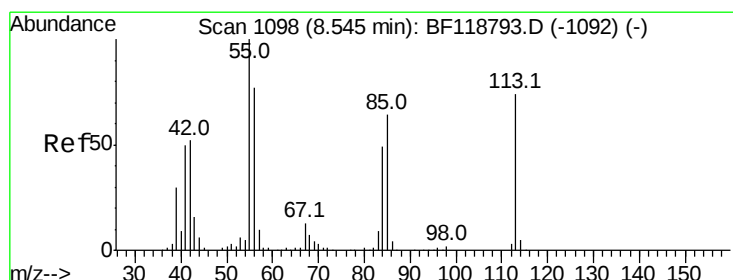
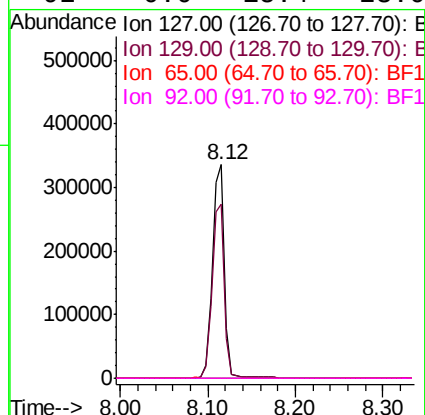
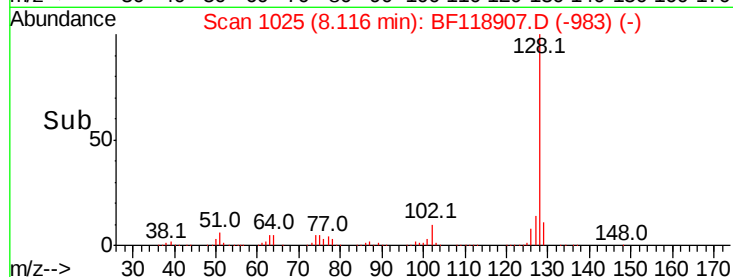
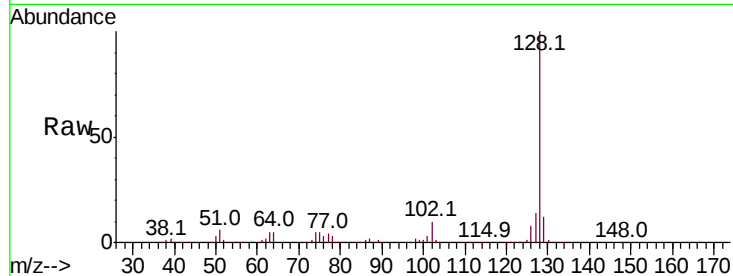




#33
4-Chloroaniline
Concen: 20.159 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

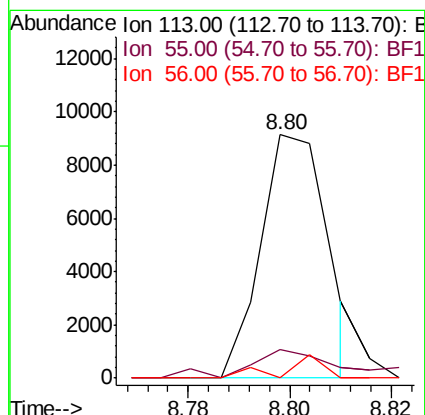
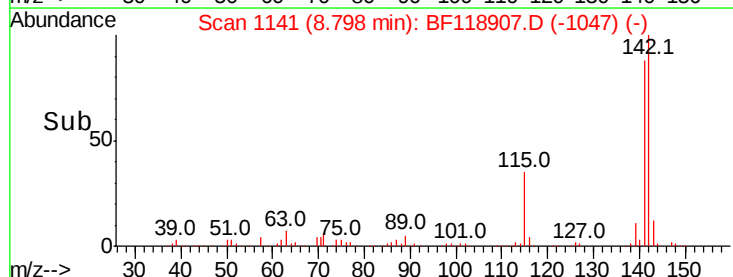
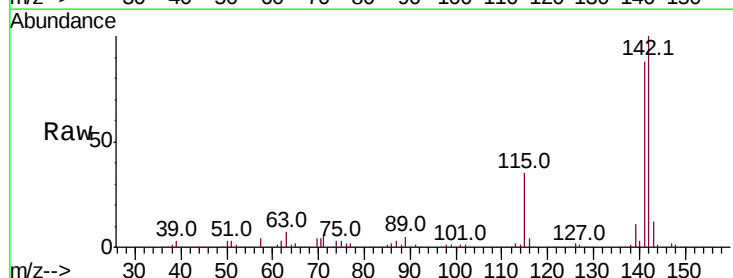
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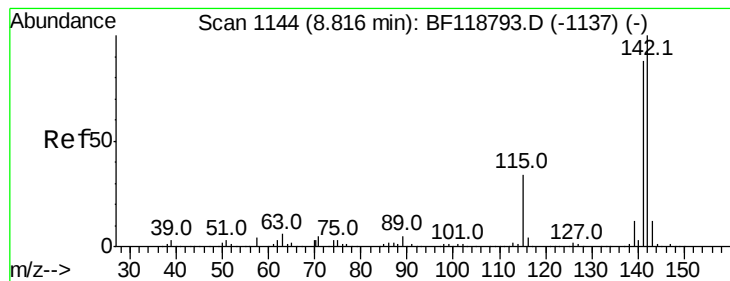
Tot Ion:127 Resp: 316601
Ion Ratio Lower Upper
127 100
129 81.7 26.7 40.1#
65 0.0 22.9 34.3#
92 0.0 15.4 23.0#



#35
Caprolactam
Concen: 2.316 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.25 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:113 Resp: 8371
Ion Ratio Lower Upper
113 100
55 11.8 115.5 155.5#
56 0.0 83.7 123.7#





#37

2-Methylnaphthalene

Concen: 17.327 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

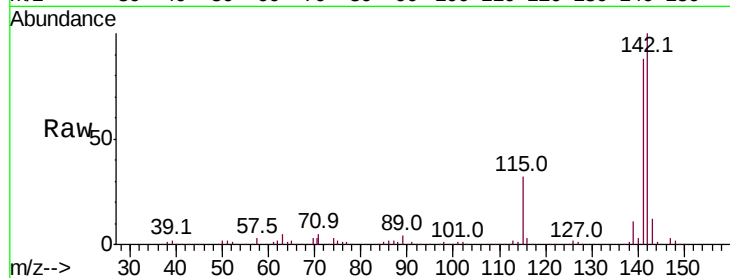
Tot Ion:142 Resp: 421851

Ion Ratio Lower Upper

142 100

141 88.4 70.1 105.1

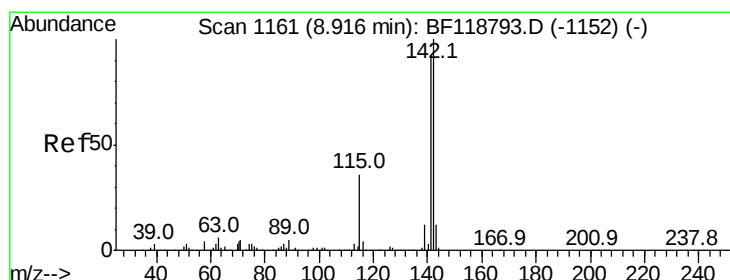
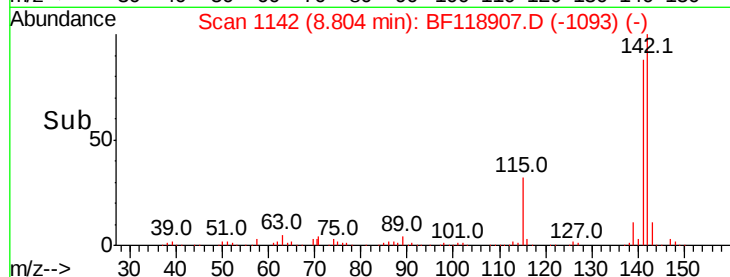
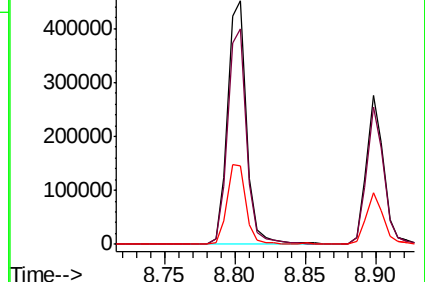
115 32.2 27.3 40.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 10.361 ng

RT: 8.90 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

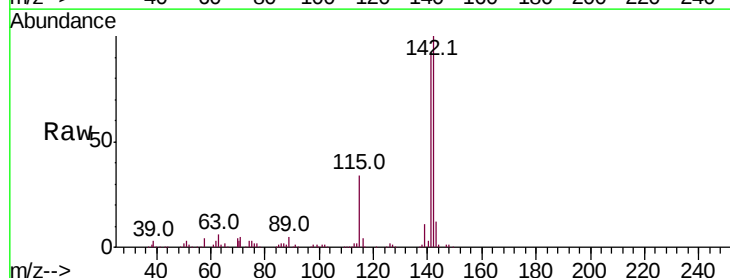
Tgt Ion:142 Resp: 237294

Ion Ratio Lower Upper

142 100

141 91.8 73.8 110.6

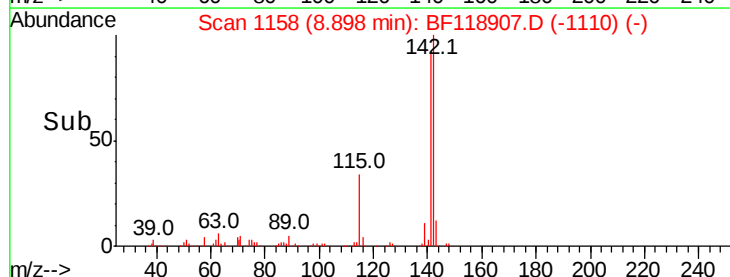
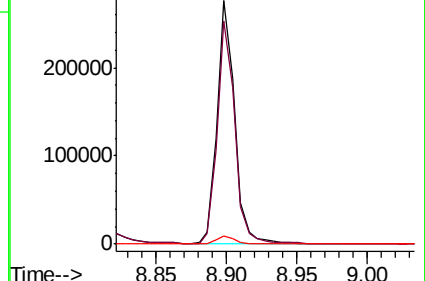
116 3.6 3.0 4.4

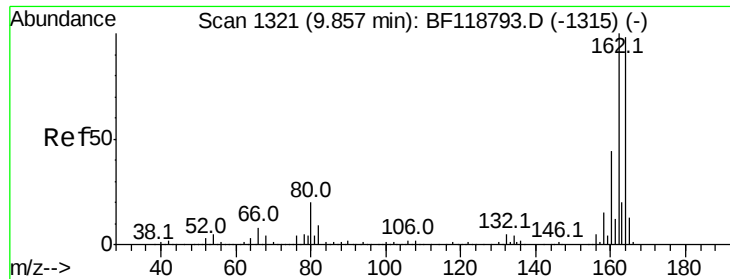


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

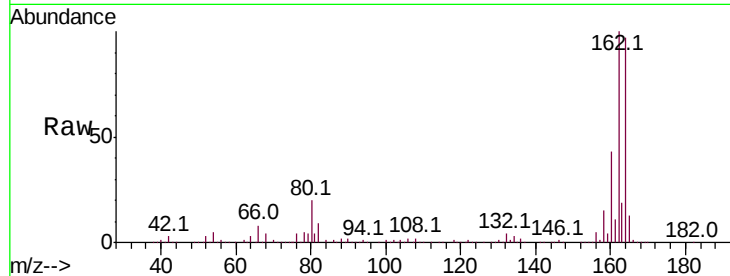




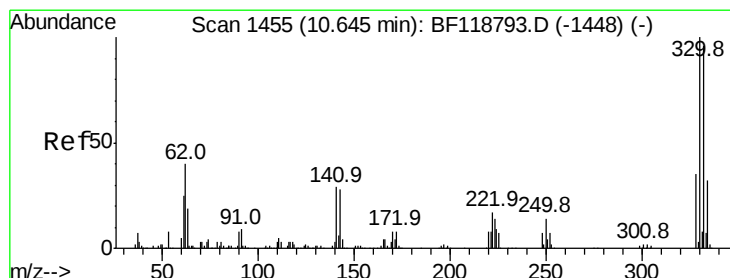
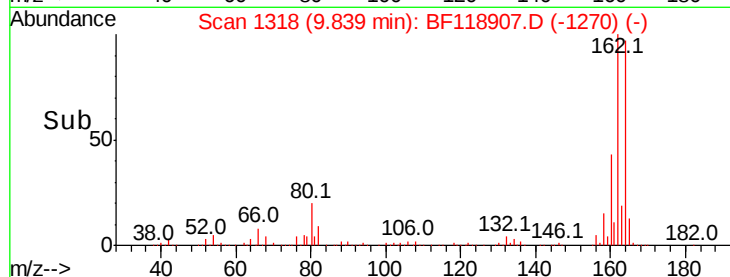
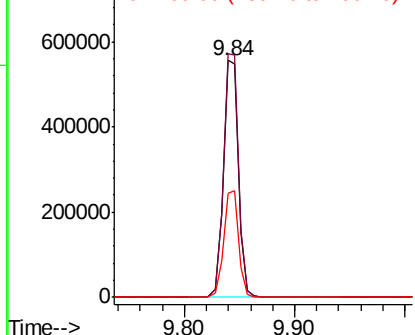
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tot Ion:164 Resp: 529879
Ion Ratio Lower Upper
164 100
162 102.9 81.4 122.2
160 43.9 35.6 53.4

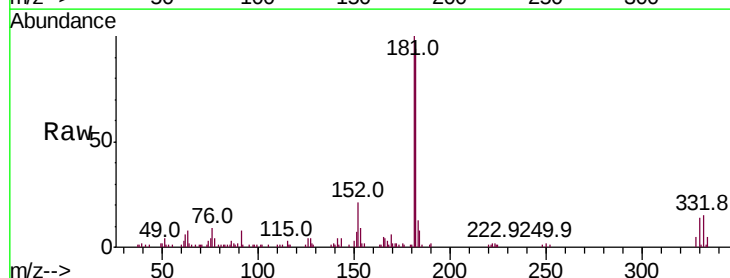


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

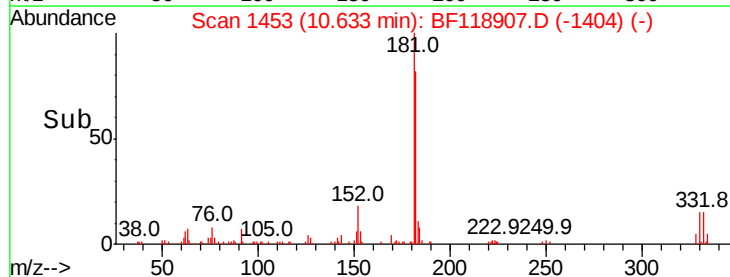
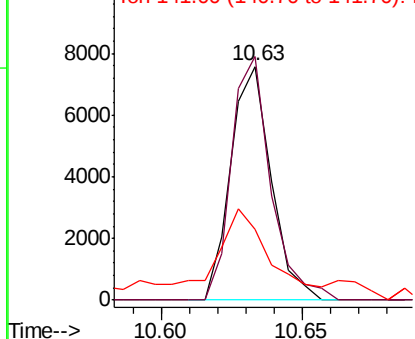


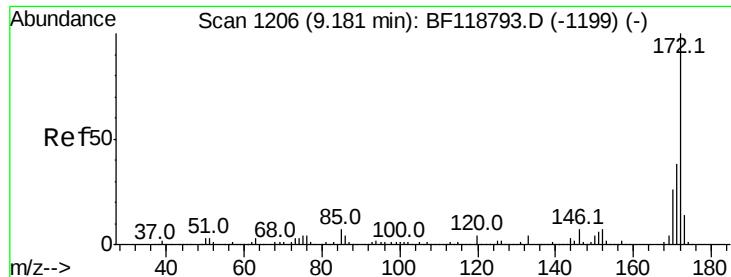
#42
2,4,6-Tribromophenol
Concen: 1.188 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:330 Resp: 7533
Ion Ratio Lower Upper
330 100
332 101.5 77.3 115.9
141 40.0 22.4 33.6#



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

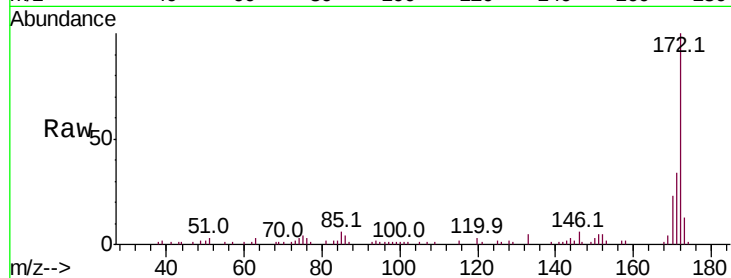




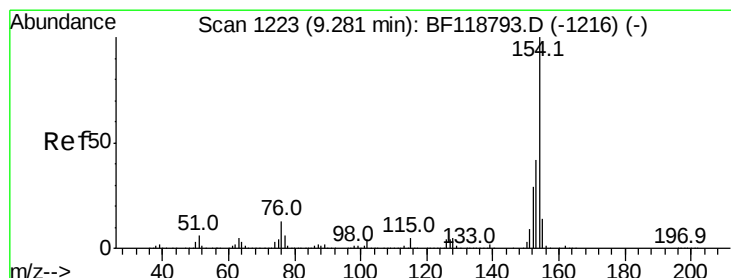
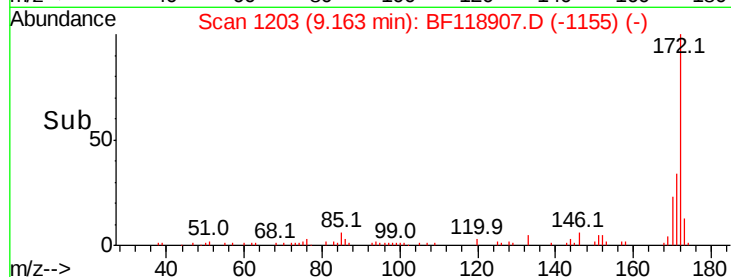
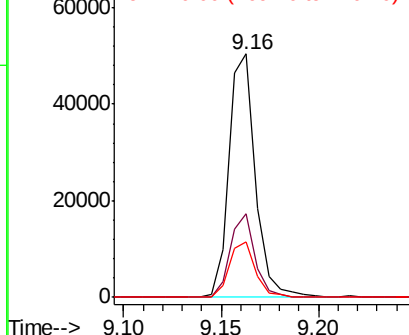
#45
 2-Fluorobiphenyl
 Concen: 1.590 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118907.D
 Acq: 12 Feb 2020 2:18

Instrument :
 BNA_F
 ClientSampleId :
 TP9-EP1-2.5DL

Tot Ion:172 Resp: 47140
 Ion Ratio Lower Upper
 172 100
 171 34.1 30.8 46.2
 170 23.0 20.5 30.7

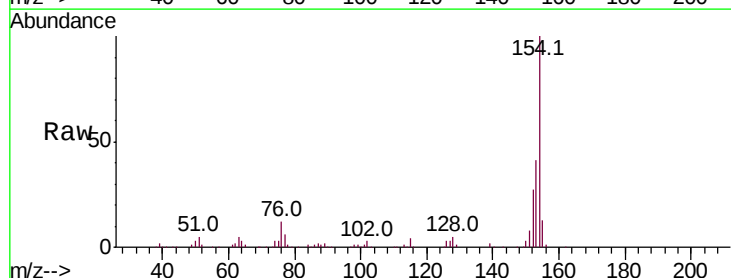


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

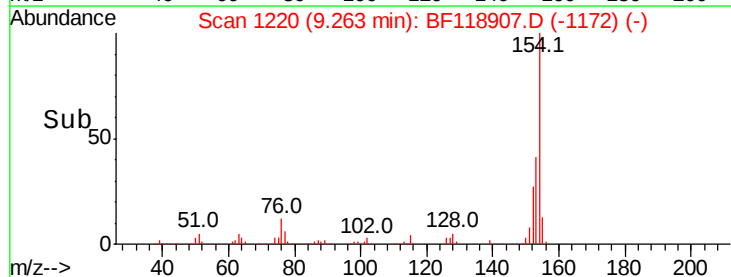
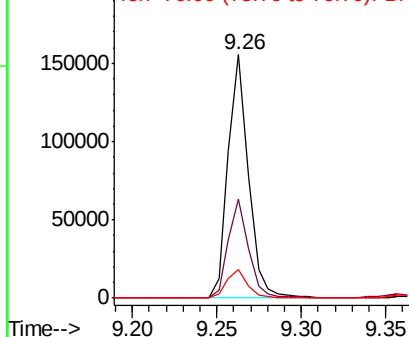


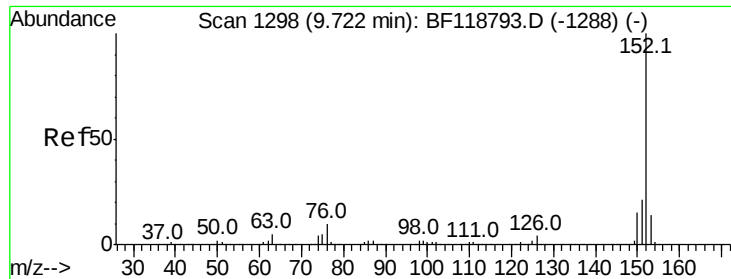
#46
 1,1'-Biphenyl
 Concen: 3.588 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF118907.D
 Acq: 12 Feb 2020 2:18

Tgt Ion:154 Resp: 131502
 Ion Ratio Lower Upper
 154 100
 153 40.6 22.4 62.4
 76 11.9 0.0 32.7



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 5.928 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

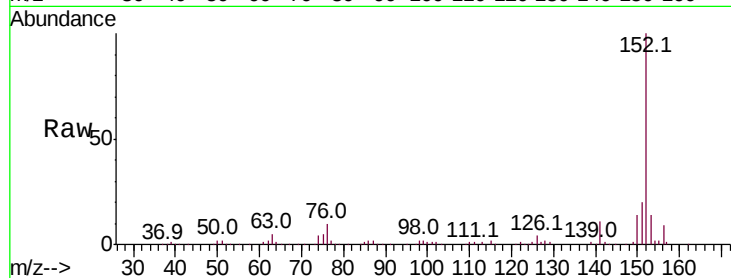
Tot Ion:152 Resp: 260827

Ion Ratio Lower Upper

152 100

151 20.3 17.1 25.7

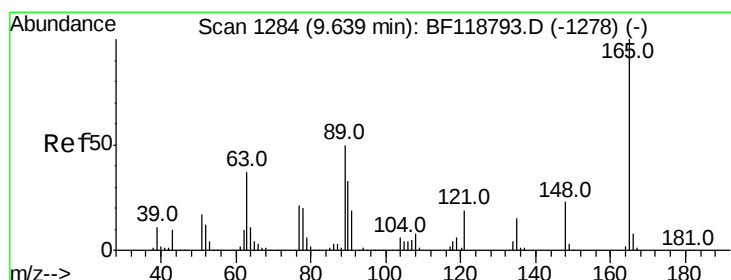
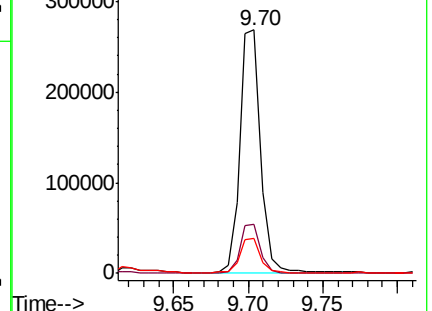
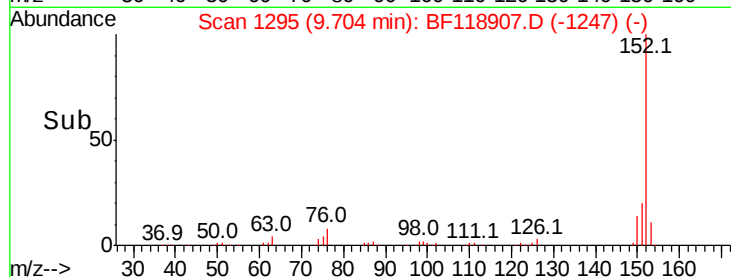
153 14.2 11.0 16.4



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



#51

2,6-Dinitrotoluene

Concen: 9.639 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

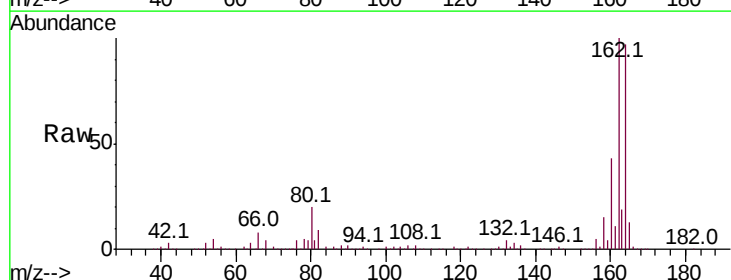
Tgt Ion:165 Resp: 79574

Ion Ratio Lower Upper

165 100

63 1.2 37.4 56.0#

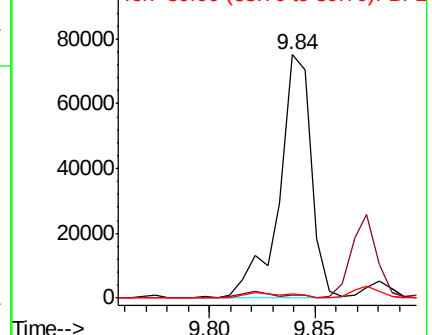
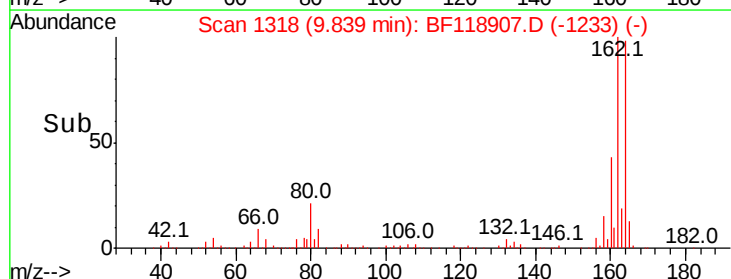
89 1.5 39.7 59.5#

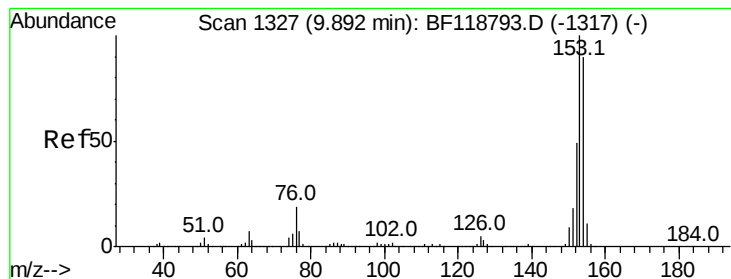


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 9.509 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

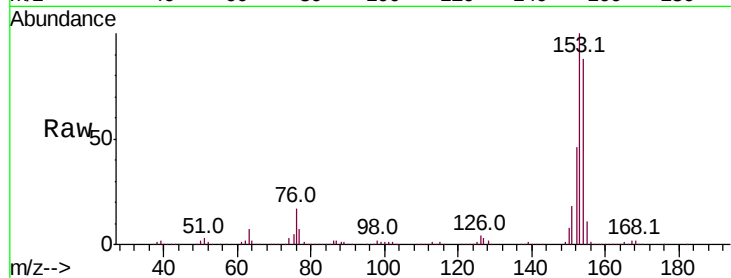
Tot Ion:154 Resp: 275678

Ion Ratio Lower Upper

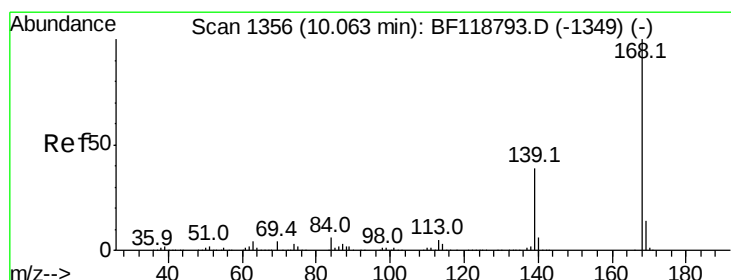
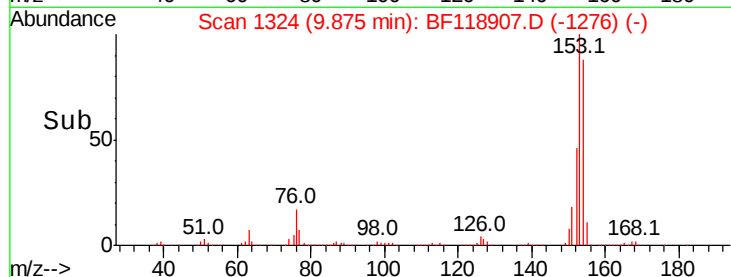
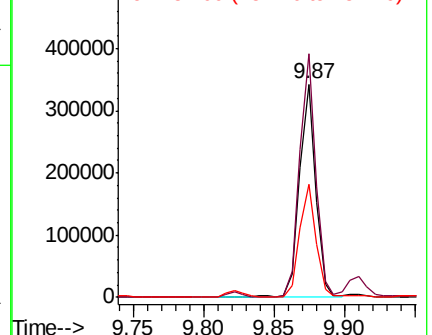
154 100

153 114.0 89.4 134.0

152 52.9 43.6 65.4



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



#55

Dibenzofuran

Concen: 10.600 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.02 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

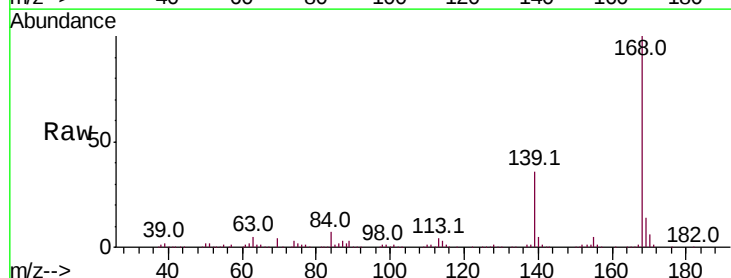
Tgt Ion:168 Resp: 444131

Ion Ratio Lower Upper

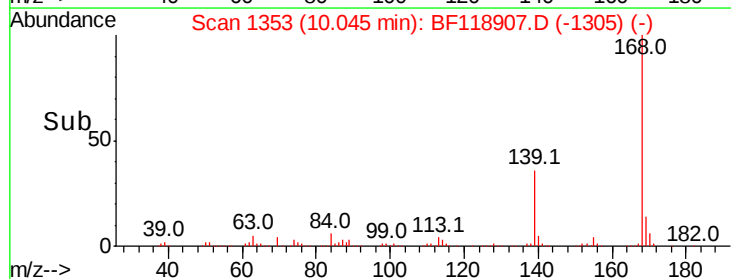
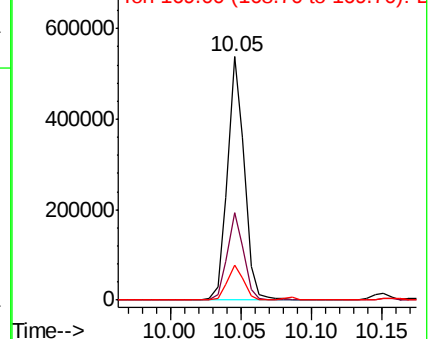
168 100

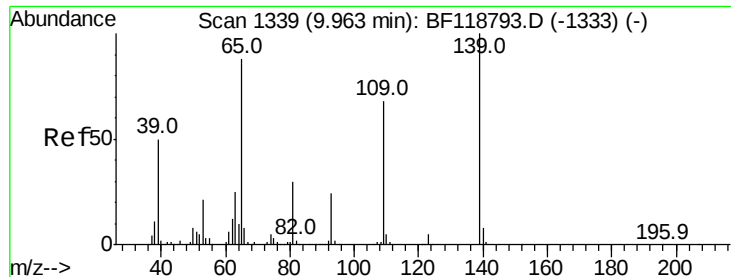
139 35.9 31.6 47.4

169 14.4 11.4 17.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 23.546 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.08 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

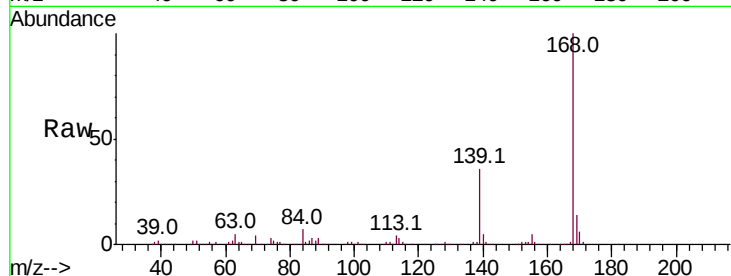
Tot Ion:139 Resp: 156018

Ion Ratio Lower Upper

139 100

109 1.0 48.0 88.0#

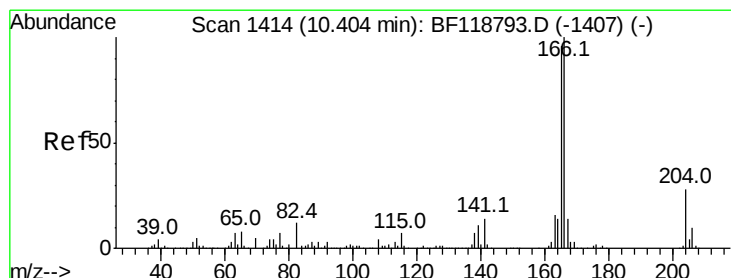
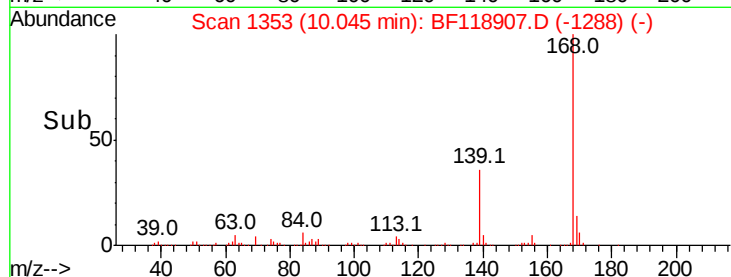
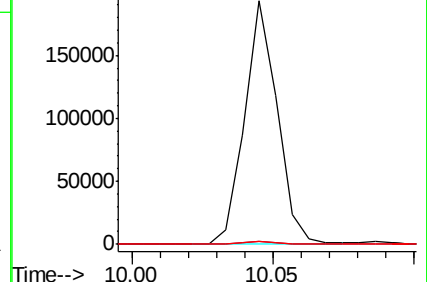
65 1.4 68.3 108.3#



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): BF1



#58

Fluorene

Concen: 18.242 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

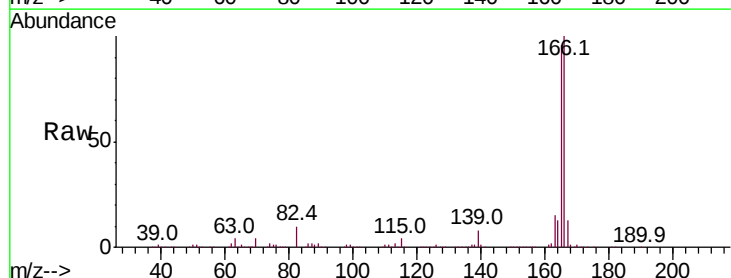
Tgt Ion:166 Resp: 575026

Ion Ratio Lower Upper

166 100

165 96.4 77.0 115.6

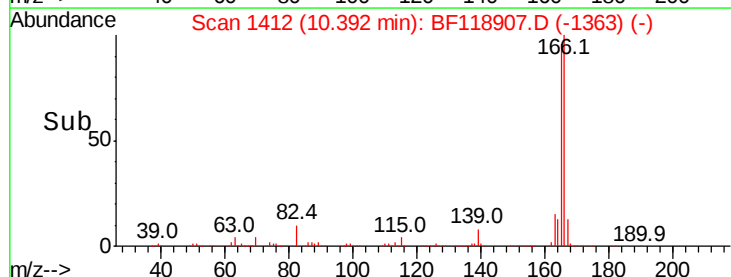
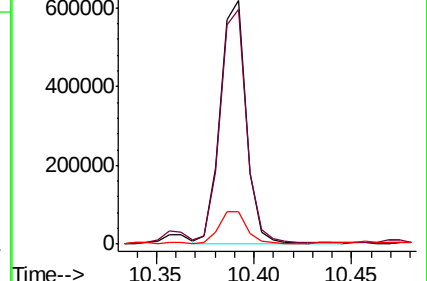
167 13.1 11.1 16.7

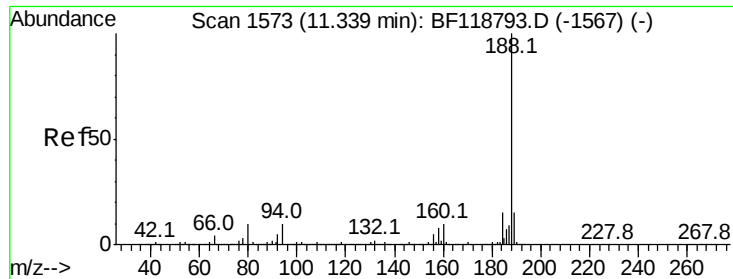


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

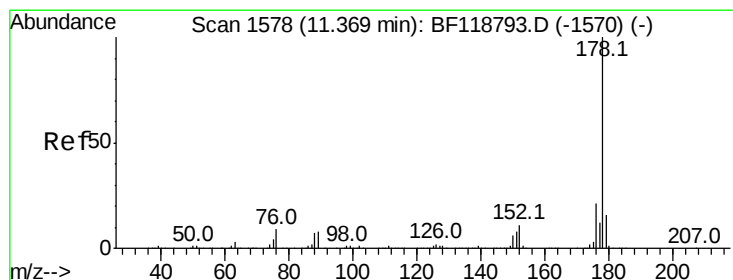
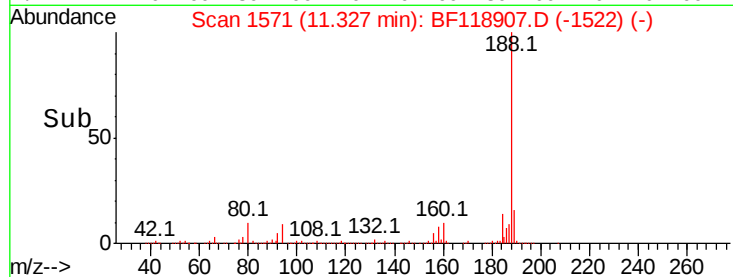
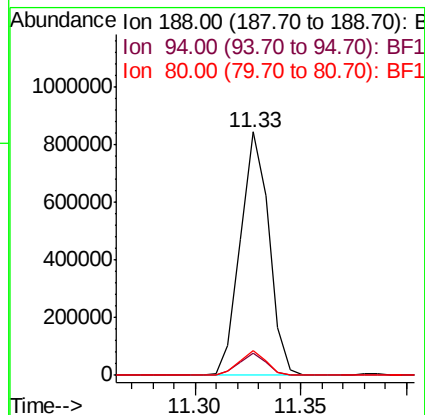
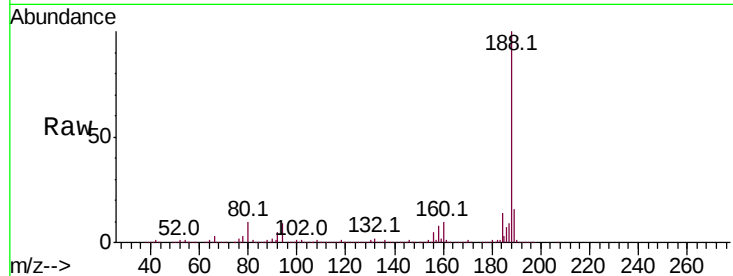




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

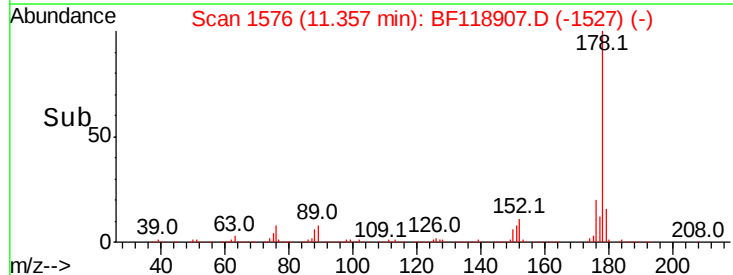
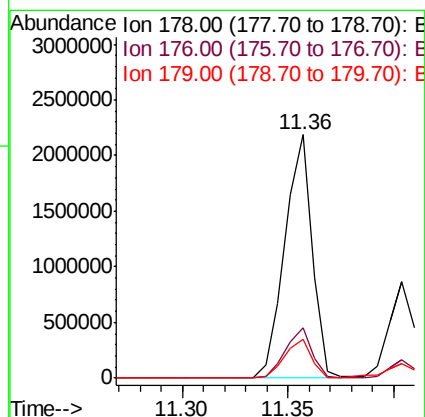
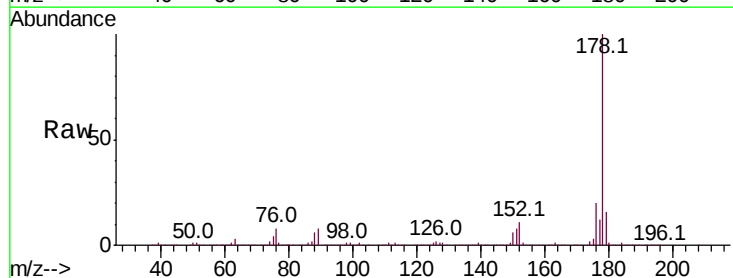
Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

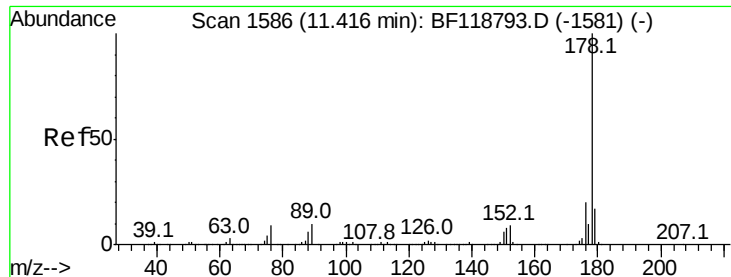
Tot Ion:188 Resp: 791753
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 10.0 8.4 12.6



#71
Phenanthrene
Concen: 50.773 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:178 Resp: 1977876
Ion Ratio Lower Upper
178 100
176 20.4 16.6 24.8
179 15.9 13.2 19.8





#72

Anthracene

Concen: 17.827 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

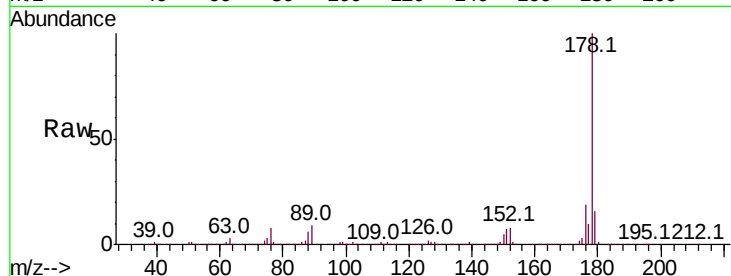
Tot Ion:178 Resp: 690857

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.2

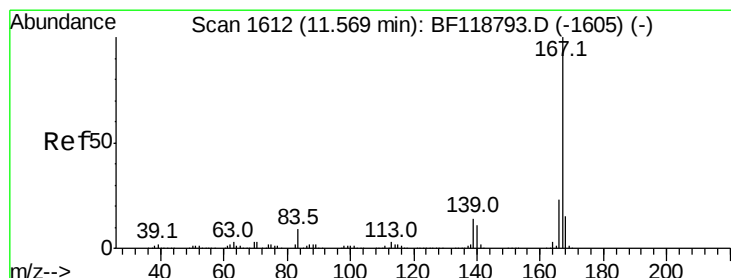
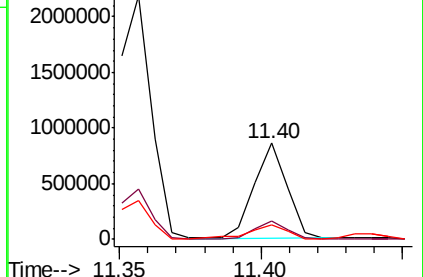
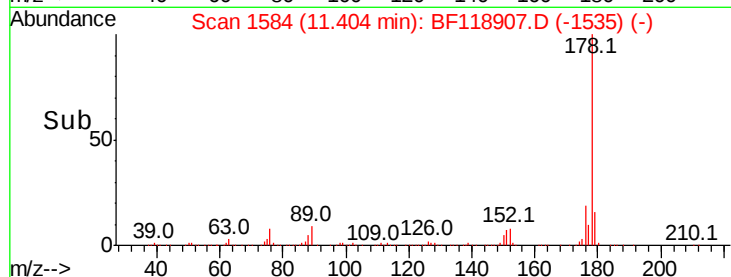
179 15.7 13.4 20.2



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



#73

Carbazole

Concen: 7.641 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

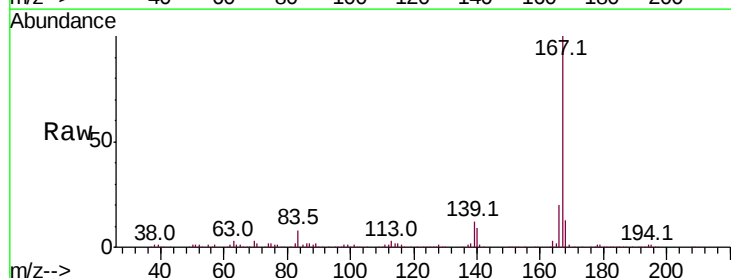
Tgt Ion:167 Resp: 259869

Ion Ratio Lower Upper

167 100

166 20.5 18.4 27.6

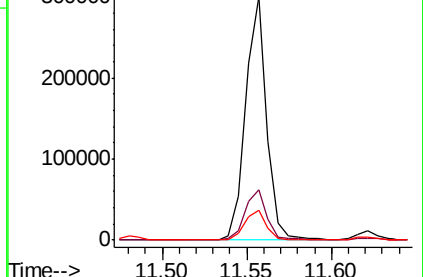
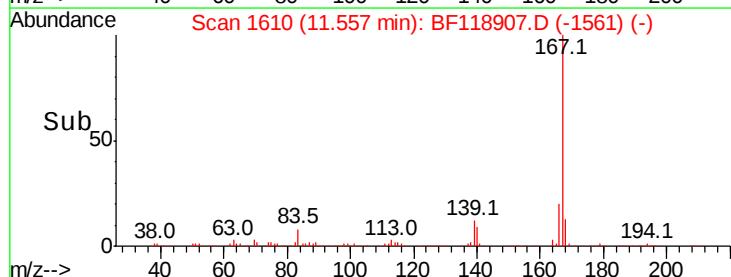
139 12.2 11.1 16.7

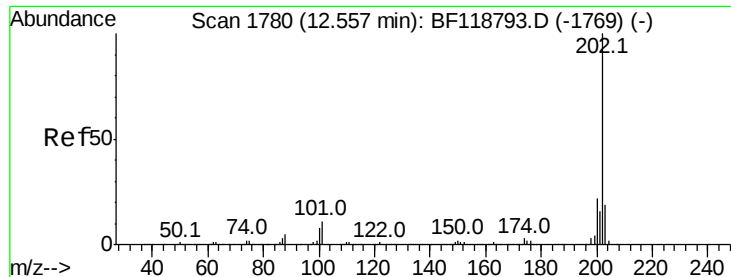


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 32.609 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

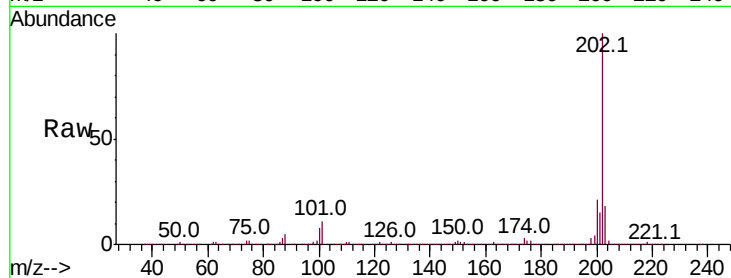
Tot Ion:202 Resp: 1386923

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.0
203	18.1	0.0	38.7

202 100

101 10.5 0.0 31.0

203 18.1 0.0 38.7

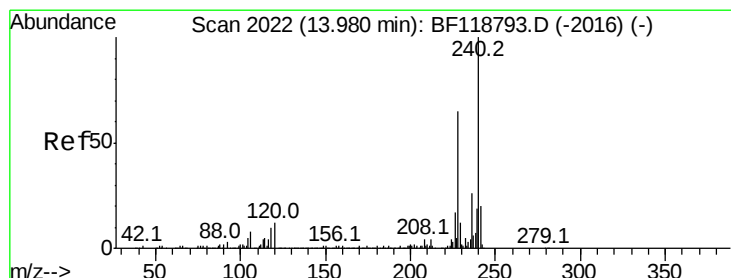
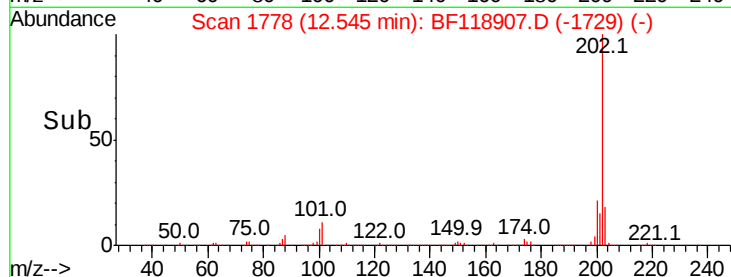
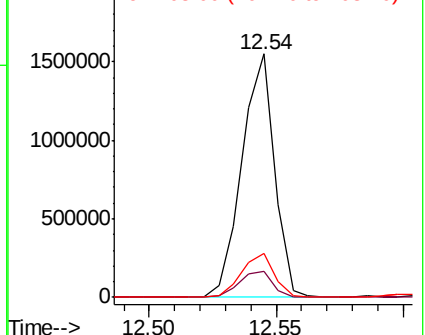


Abundance

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

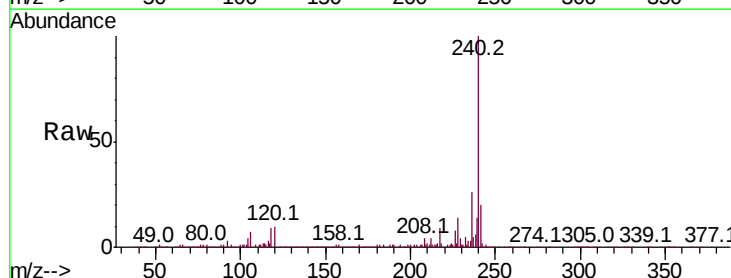
Tgt Ion:240 Resp: 627509

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.4	14.0
236	26.0	21.0	31.6

240 100

120 10.0 9.4 14.0

236 26.0 21.0 31.6

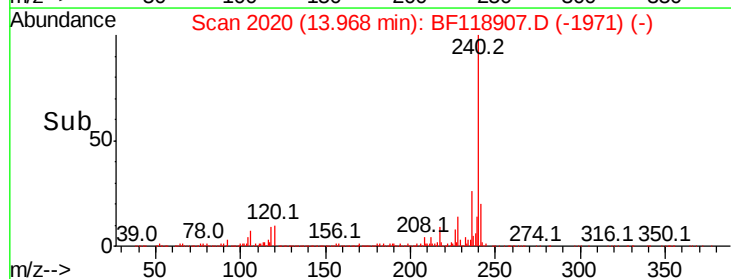
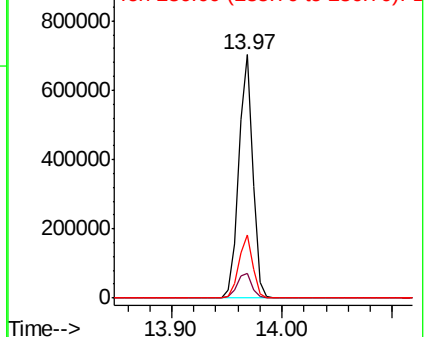


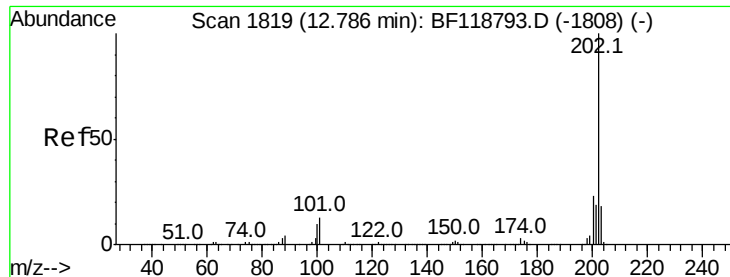
Abundance

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: 27.053 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

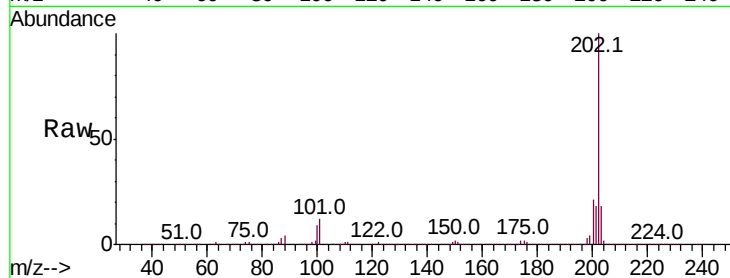
Tot Ion:202 Resp: 1164615

Ion Ratio Lower Upper

202 100

200 21.4 18.2 27.2

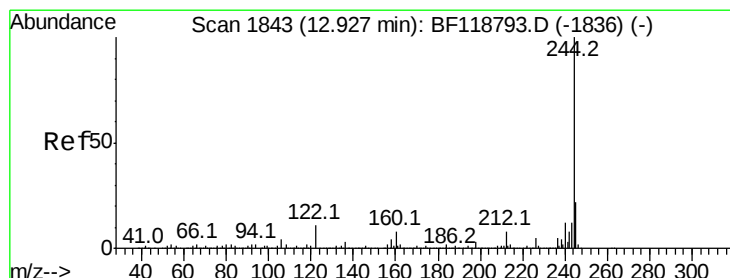
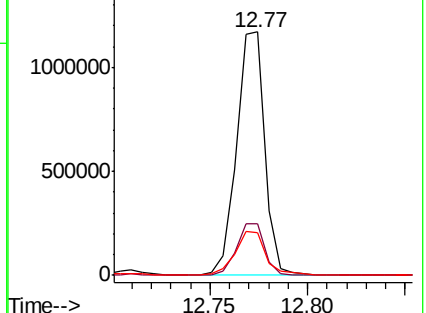
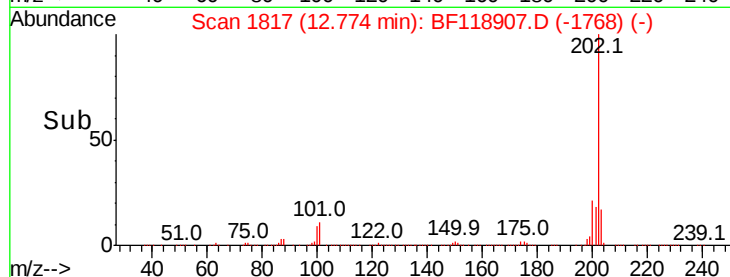
203 17.7 14.8 22.2



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: 1.625 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.02 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

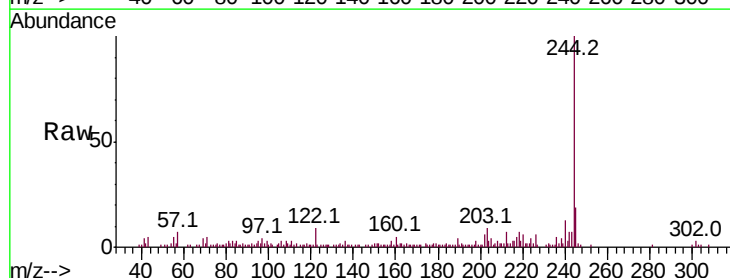
Tgt Ion:244 Resp: 49633

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

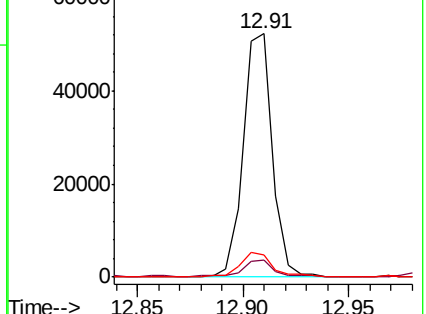
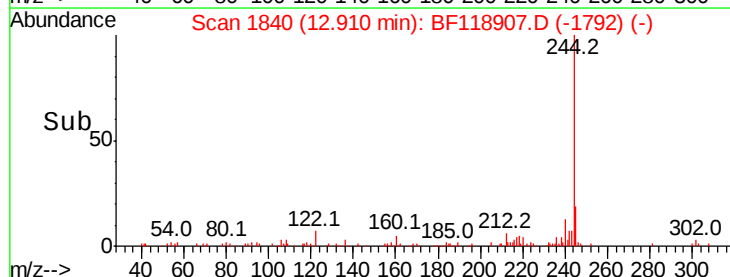
122 9.0 8.9 13.3

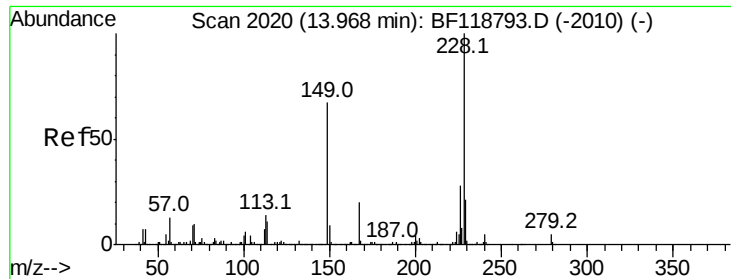


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

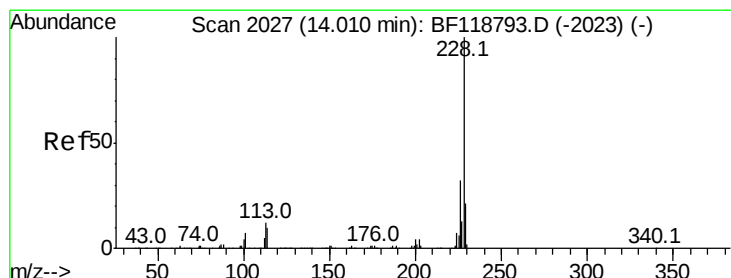
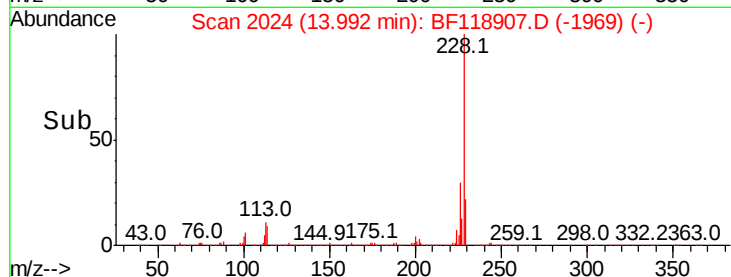
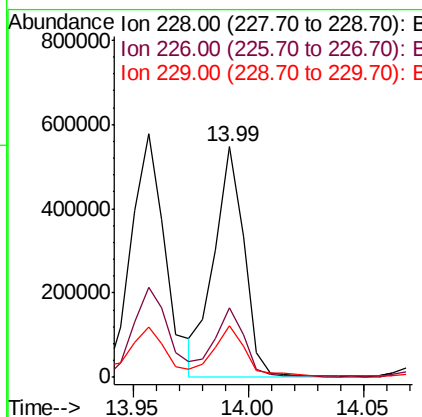
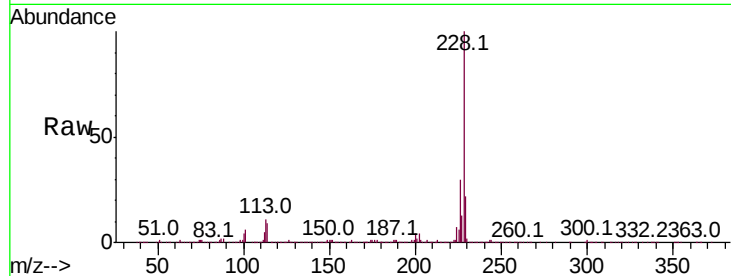




#81
Benzo(a)anthracene
Concen: 13.123 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

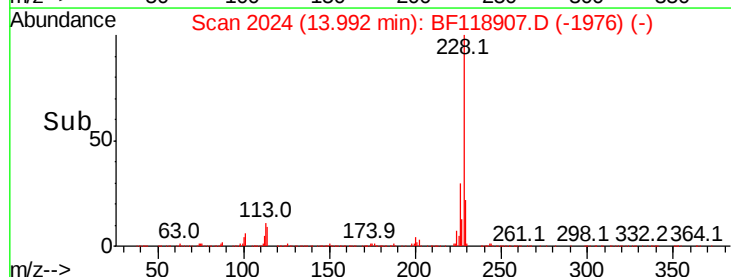
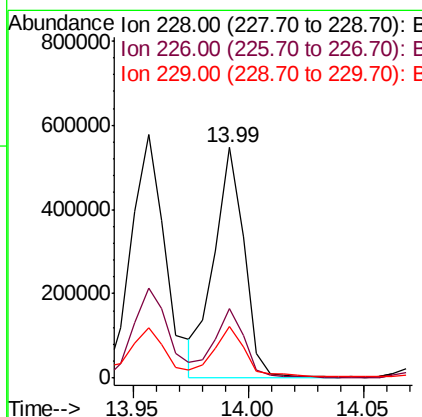
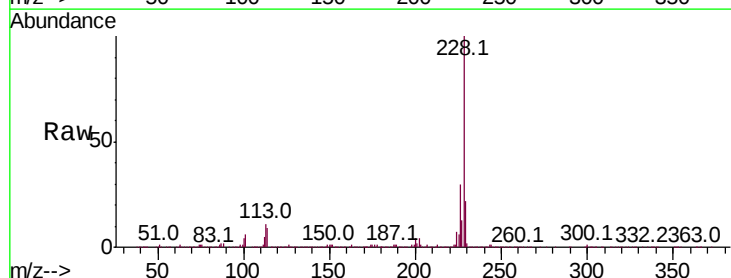
Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

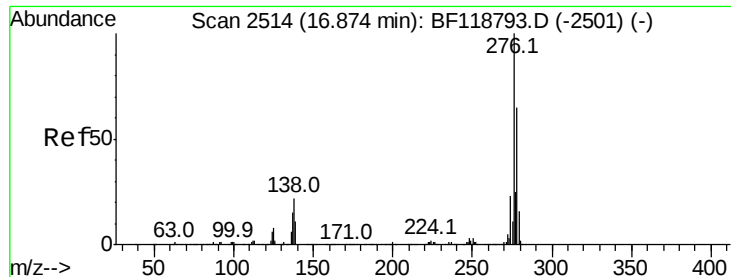
Tot Ion:228 Resp: 490026
Ion Ratio Lower Upper
228 100
226 30.3 22.7 34.1
229 22.4 16.6 25.0



#83
Chrysene
Concen: 13.075 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:228 Resp: 490026
Ion Ratio Lower Upper
228 100
226 30.3 25.4 38.0
229 22.4 16.9 25.3

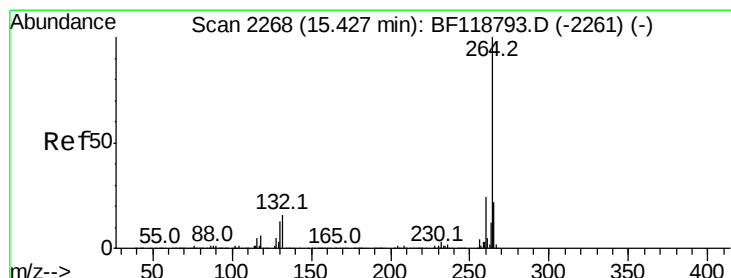
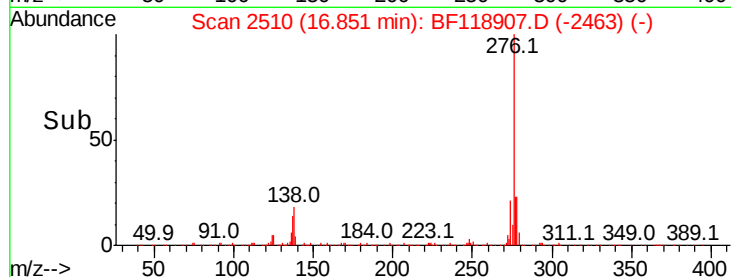
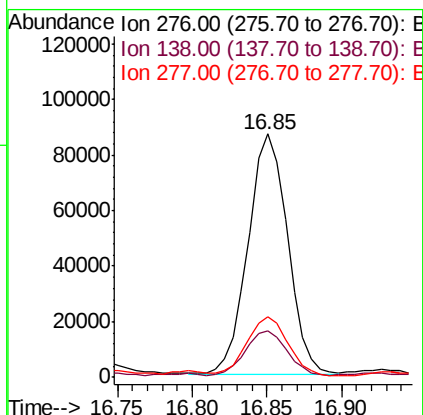
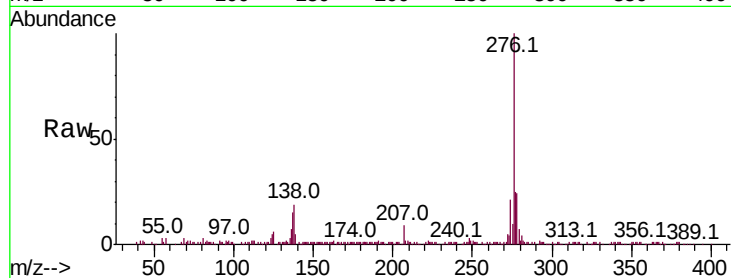




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.192 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. -0.02 min
 Lab File: BF118907.D
 Acq: 12 Feb 2020 2:18

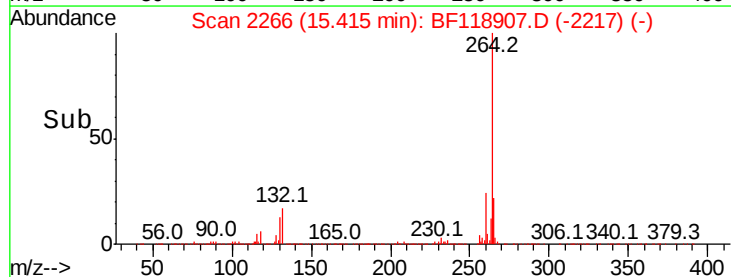
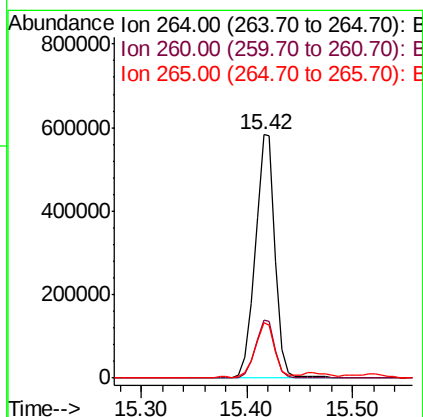
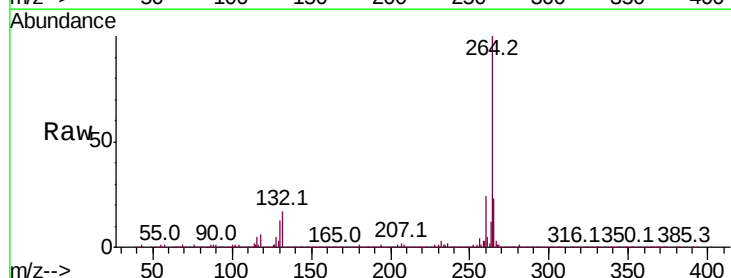
Instrument :
 BNA_F
 ClientSampleId :
 TP9-EP1-2.5DL

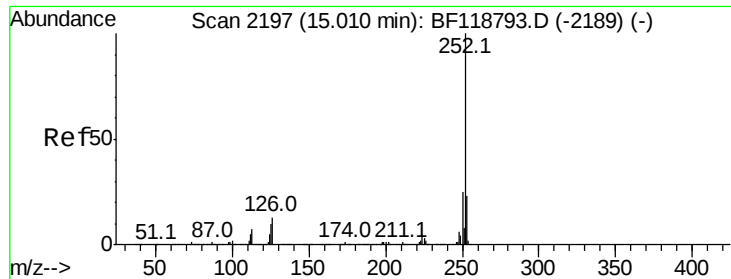
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.3	27.5
277	25.0	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF118907.D
 Acq: 12 Feb 2020 2:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	22.6	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 18.583 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

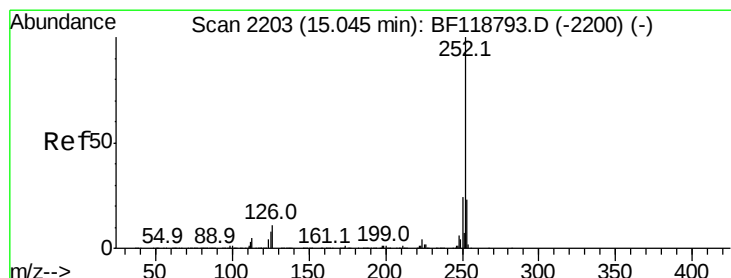
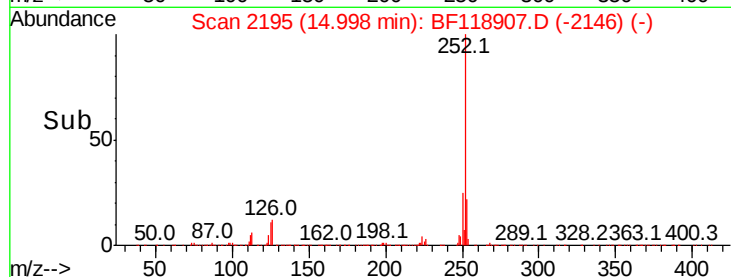
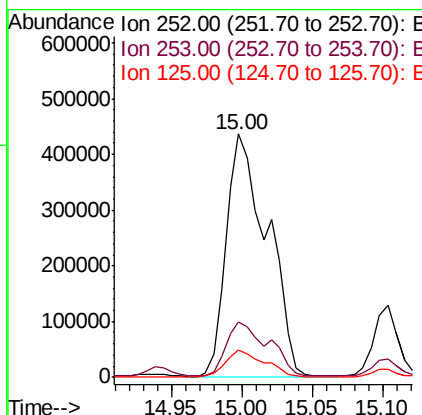
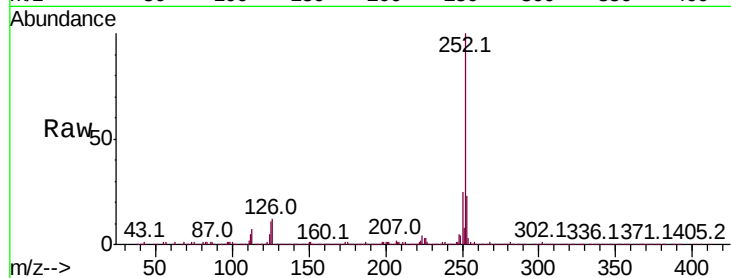
Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tot Ion:252 Resp: 883921

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	11.0	8.1	12.1



#89

Benzo(k)fluoranthene

Concen: 21.340 ng

RT: 15.00 min Scan# 2195

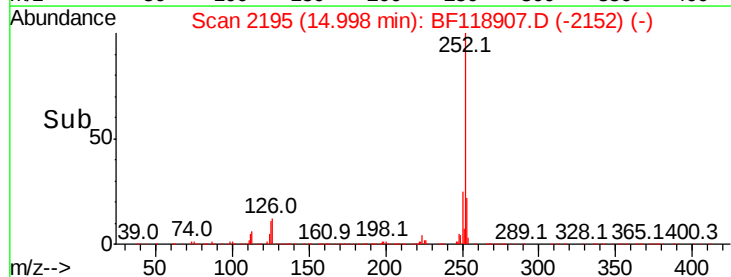
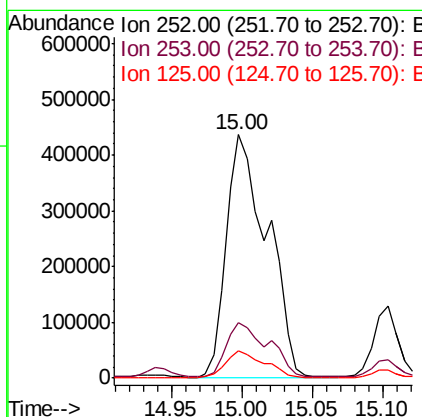
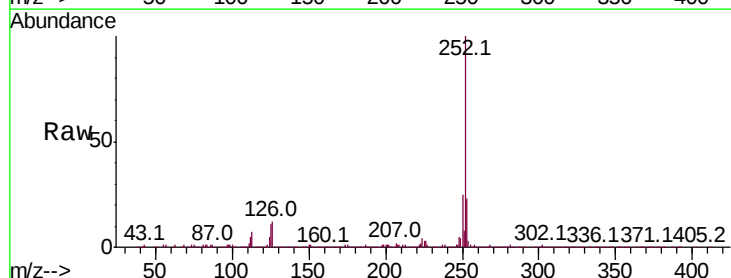
Delta R.T. -0.05 min

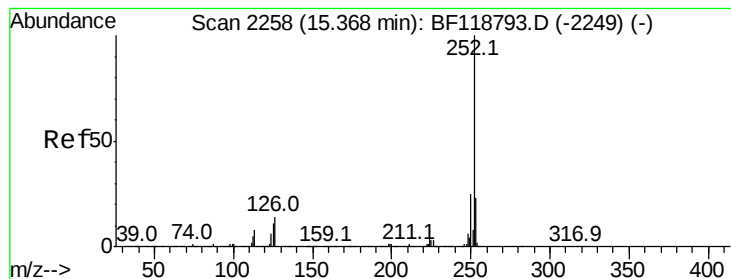
Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Tgt Ion:252 Resp: 883921

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	11.0	7.0	10.6





#90

Benzo(a)pyrene

Concen: 13.211 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

Instrument :

BNA_F

ClientSampleId :

TP9-EP1-2.5DL

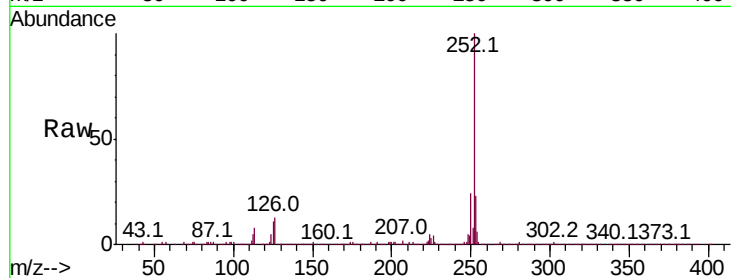
Tot Ion:252 Resp: 537787

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

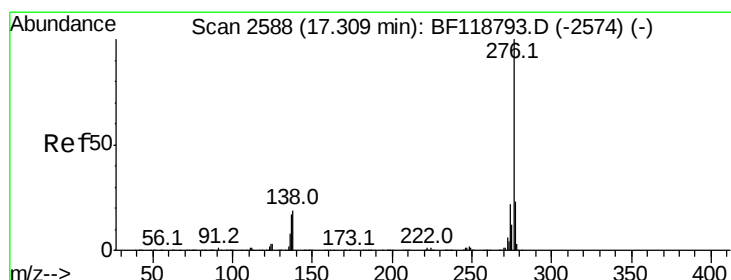
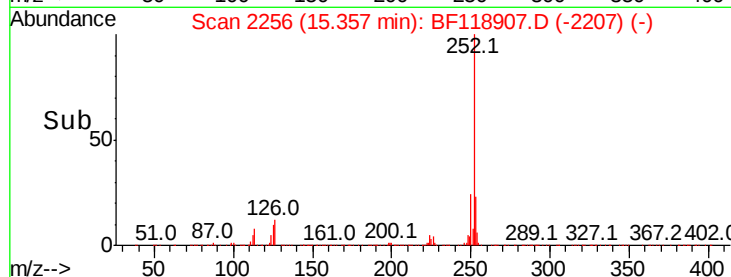
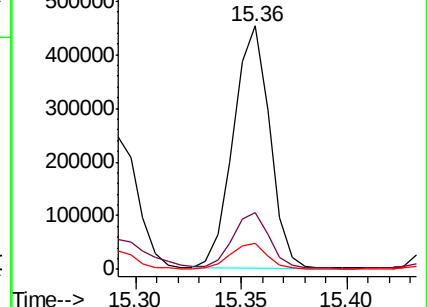
125 10.5 8.7 13.1



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: 3.928 ng

RT: 17.29 min Scan# 2584

Delta R.T. -0.02 min

Lab File: BF118907.D

Acq: 12 Feb 2020 2:18

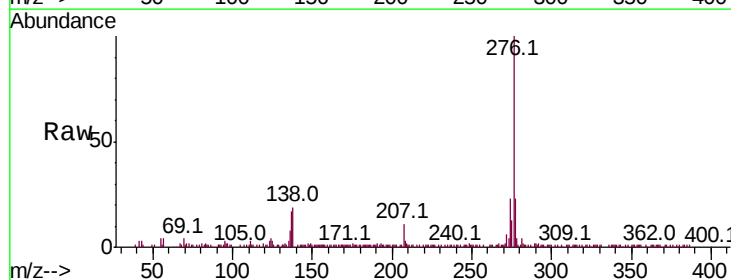
Tgt Ion:276 Resp: 136509

Ion Ratio Lower Upper

276 100

277 23.1 18.7 28.1

138 19.0 15.4 23.2



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

