

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118866.D
 Acq On : 10 Feb 2020 12:36
 Operator : CG/JU
 Sample : L1468-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP11-EP2-3

Quant Time: Feb 11 00:13:54 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	6.82	152	208657	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	763647	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	447466	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	837642	20.00	ng	0.00
76) Chrysene-d12	13.98	240	680442	20.00	ng	0.00
87) Perylene-d12	15.42	264	648833	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1100944	99.88	ng	0.00
7) Phenol-d6	6.45	99	1354318	98.98	ng	0.00
23) Nitrobenzene-d5	7.37	82	886328	69.18	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	504651	94.26	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1788725	71.46	ng	-0.01
79) Terphenyl-d14	12.92	244	2223324	67.12	ng	0.00

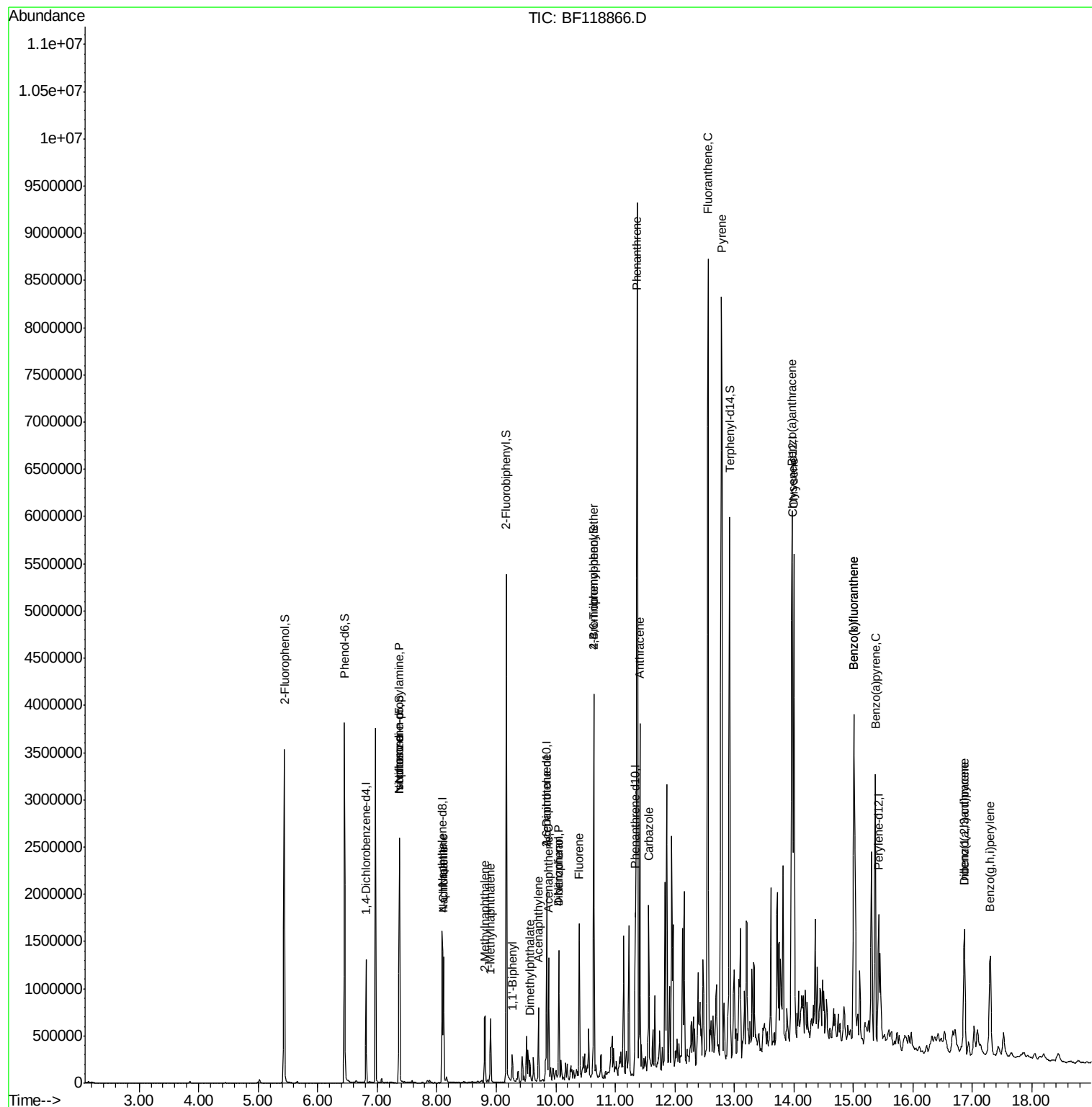
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	500	Below Cal		# 80
19) n-Nitroso-di-n-propylamine	7.37	70	120681	14.414	ng	# 77
25) Isophorone	7.37	82	886317	38.493	ng	# 63
31) Naphthalene	8.12	128	546526	15.648	ng	# 97
33) 4-Chloroaniline	8.12	127	70626	4.520	ng	# 33
37) 2-Methylnaphthalene	8.81	142	209999	8.669	ng	# 98
38) 1-Methylnaphthalene	8.90	142	179608	7.882	ng	# 99
46) 1,1'-Biphenyl	9.27	154	83837	2.709	ng	# 96
49) Acenaphthylene	9.71	152	270769	7.288	ng	# 98
50) Dimethylphthalate	9.56	163	78499	2.576	ng	# 98
51) 2,6-Dinitrotoluene	9.85	165	69260	9.935	ng	# 31
52) Acenaphthene	9.88	154	252254	10.303	ng	# 99
55) Dibenzofuran	10.05	168	467589	13.215	ng	# 97
56) 4-Nitrophenol	10.05	139	166907	29.828	ng	# 11
58) Fluorene	10.39	166	497094	18.675	ng	# 99
67) 4-Bromophenyl-phenylether	10.64	248	34003	3.432	ng	# 1
71) Phenanthrene	11.37	178	4923901	119.474	ng	# 97
72) Anthracene	11.42	178	1403060	34.221	ng	# 98
73) Carbazole	11.56	167	646180	17.959	ng	# 98
75) Fluoranthene	12.56	202	4721363	104.925	ng	# 98
78) Pyrene	12.79	202	4267607	91.422	ng	# 96
81) Benzo(a)anthracene	13.97	228	2289643	56.548	ng	# 97
83) Chrysene	14.00	228	2149420	52.891	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.86	276	947082	23.196	ng	# 95
88) Benzo(b)fluoranthene	15.01	252	2771071	68.827	ng	# 99
89) Benzo(k)fluoranthene	15.01	252	2771071	79.039	ng	# 98
90) Benzo(a)pyrene	15.37	252	1462484	42.445	ng	# 99
91) Dibenzo(a,h)anthracene	16.87	278	259154	8.472	ng	# 96
92) Benzo(g,h,i)perylene	17.30	276	950019	32.295	ng	# 99

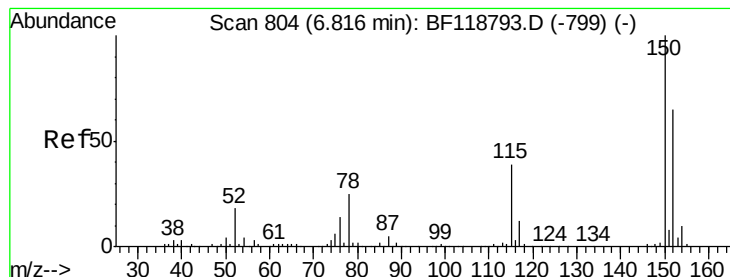
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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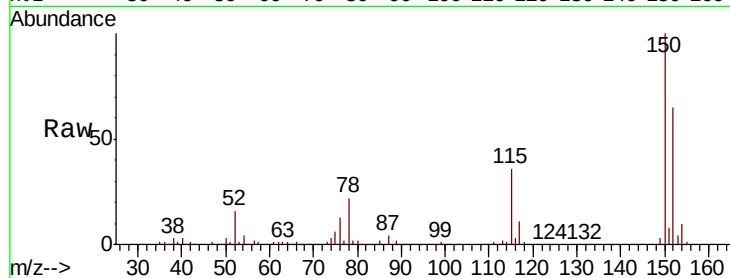


#1

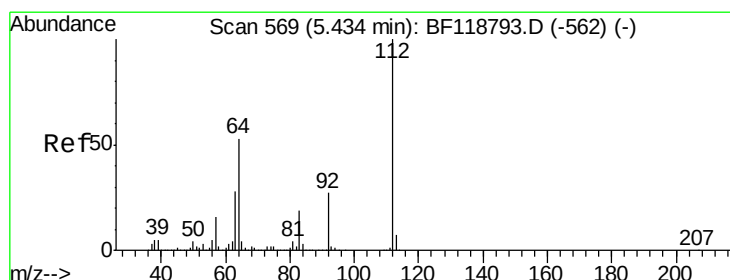
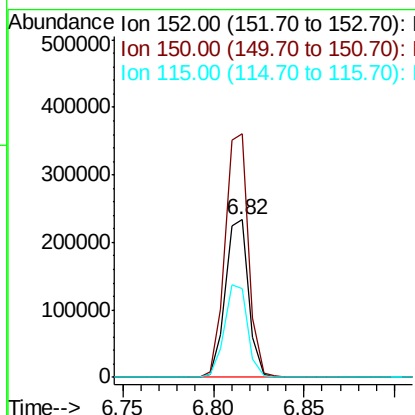
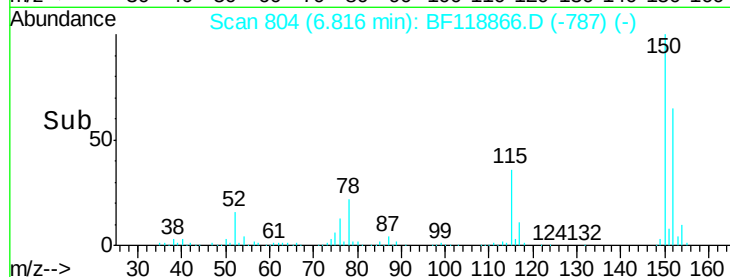
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

Instrument :
BNA_F
ClientSampleId :
TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.6	185.4
115	56.5	48.2	72.2



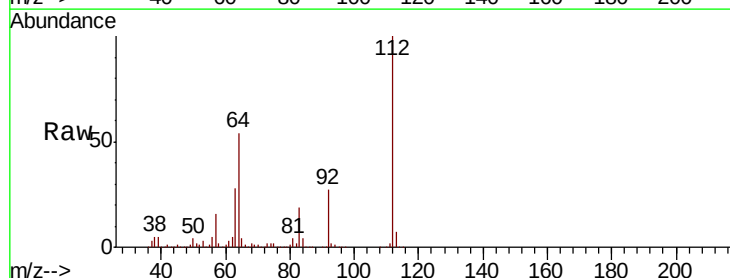
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



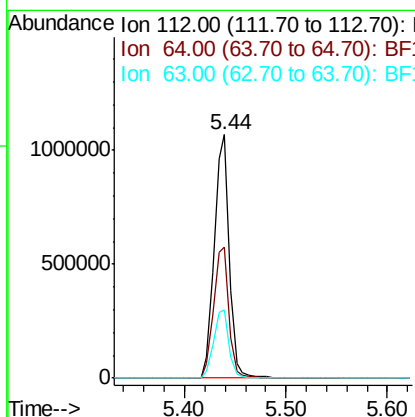
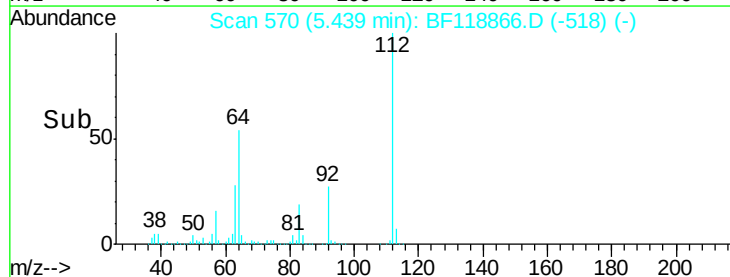
#5

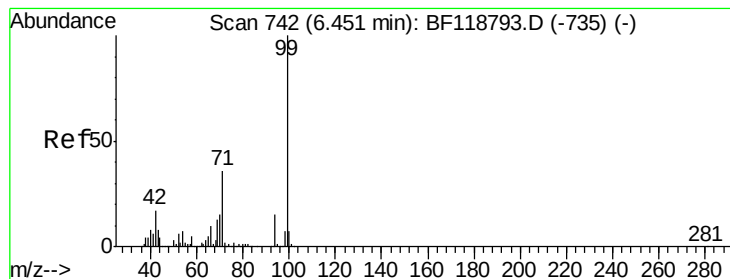
2-Fluorophenol
Concen: 99.877 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	42.6	63.8
63	28.1	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: 98.975 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

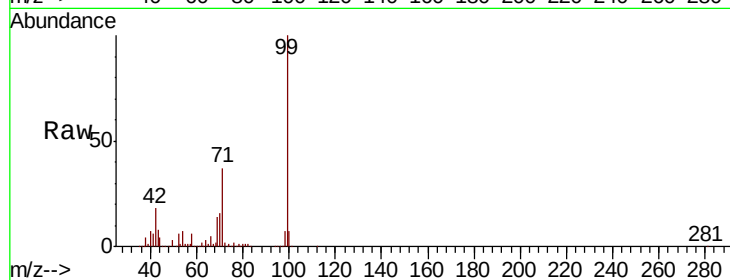
Tot Ion: 99 Resp: 1354318

Ion Ratio Lower Upper

99 100

42 17.6 13.4 20.0

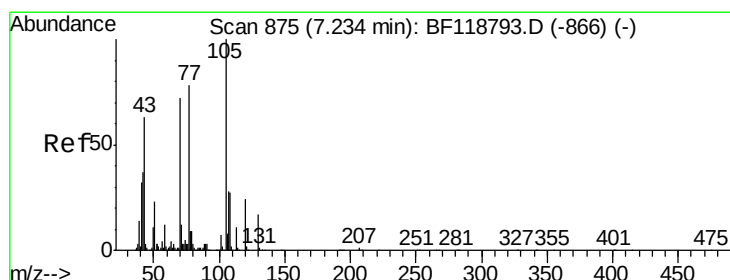
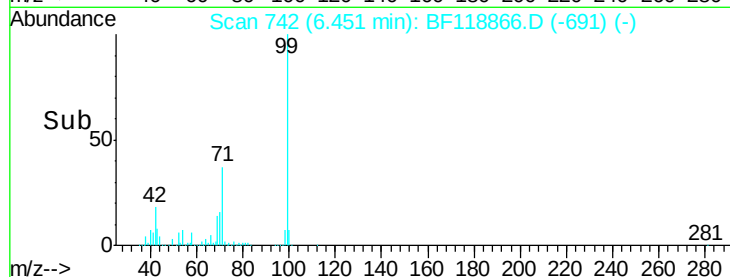
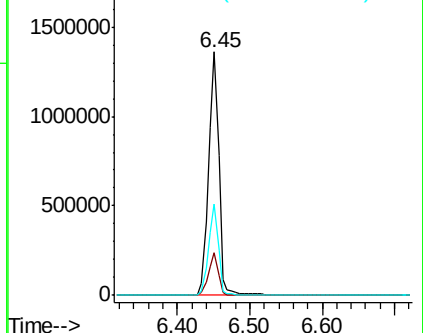
71 37.3 29.0 43.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.414 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Tgt Ion: 70 Resp: 120681

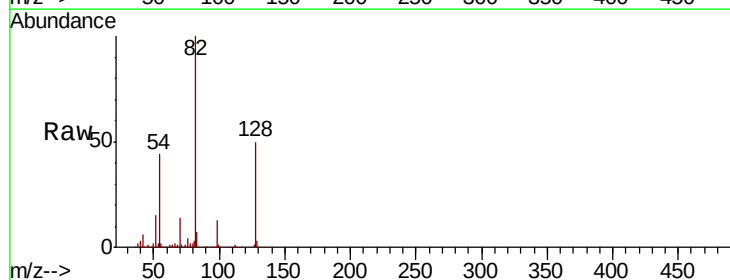
Ion Ratio Lower Upper

70 100

42 42.9 41.5 62.3

101 0.0 8.3 12.5#

130 2.7 19.2 28.8#

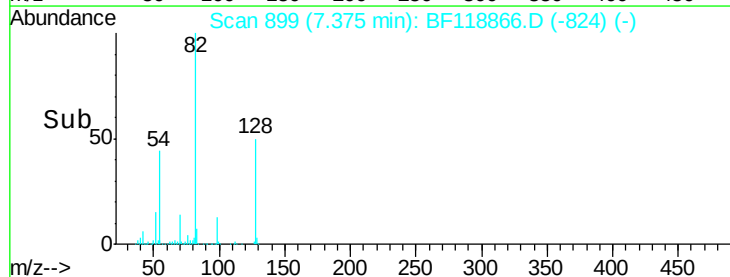
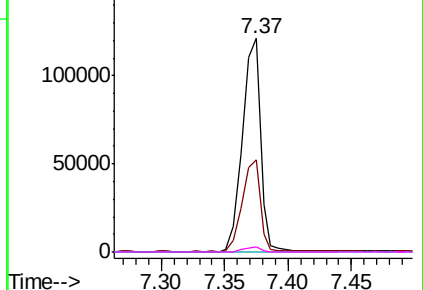


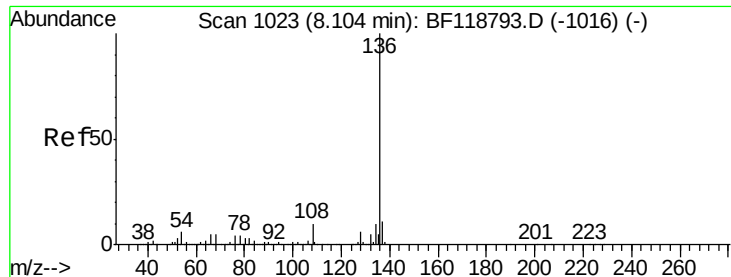
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

Tot Ion:136 Resp: 763647

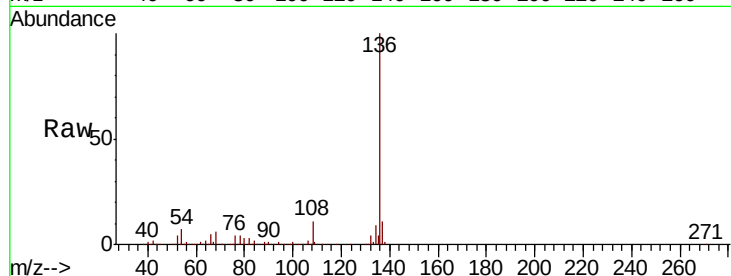
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 6.6 5.0 7.6

68 5.9 4.2 6.4

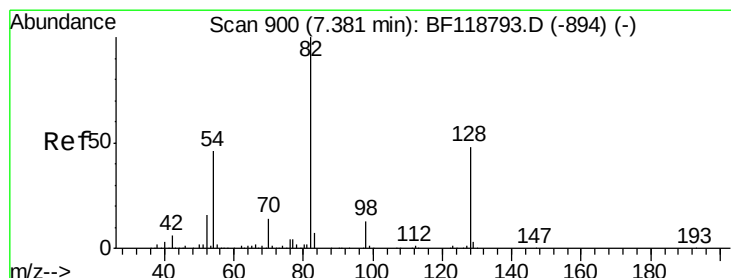
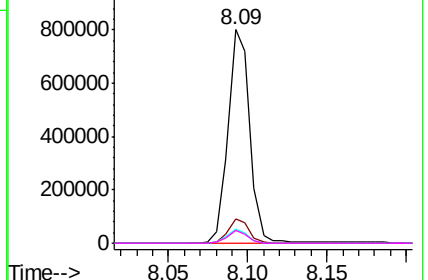
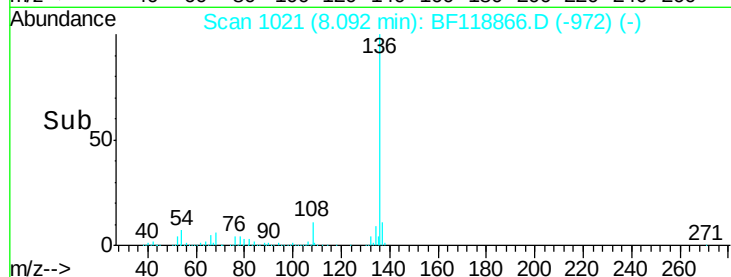


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.181 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

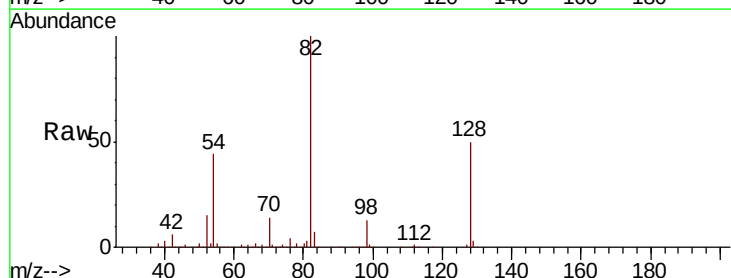
Tgt Ion: 82 Resp: 886328

Ion Ratio Lower Upper

82 100

128 49.5 38.5 57.7

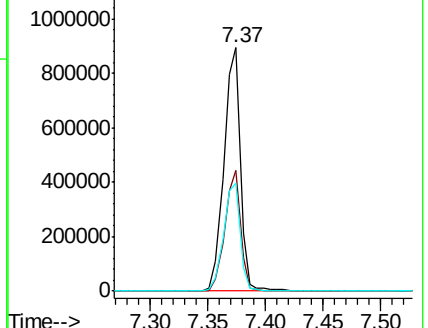
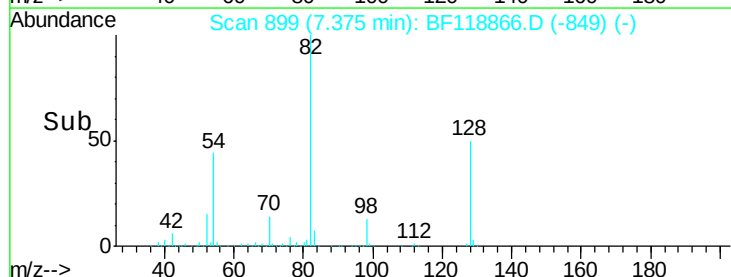
54 44.1 36.7 55.1

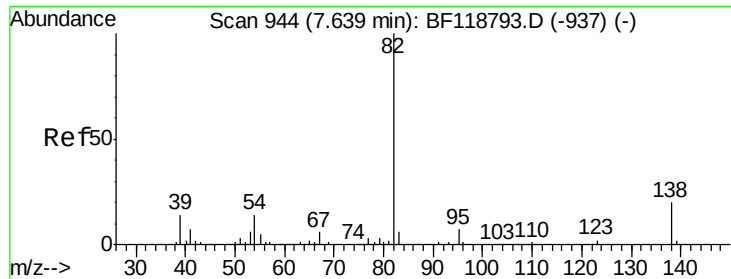


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.493 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

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ClientSampleId :

TP11-EP2-3

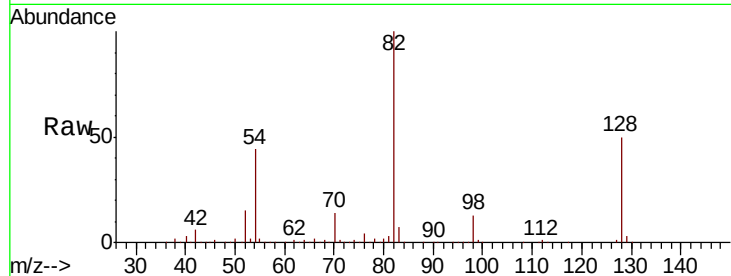
Tot Ion: 82 Resp: 886317

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

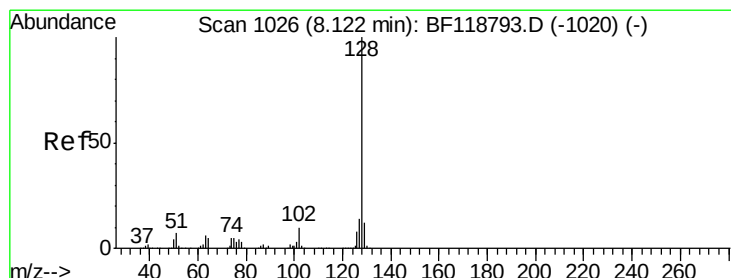
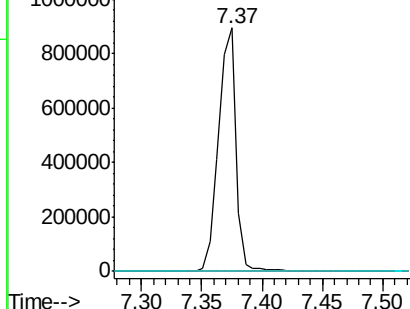
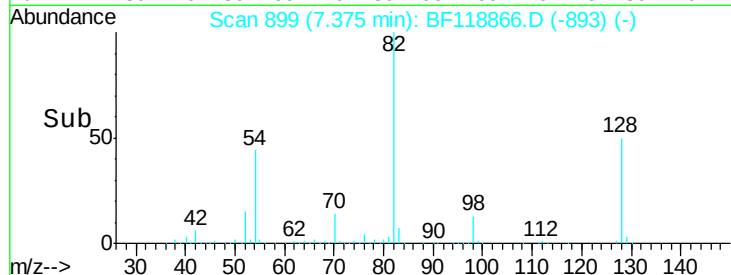
138 0.0 15.7 23.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 15.648 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

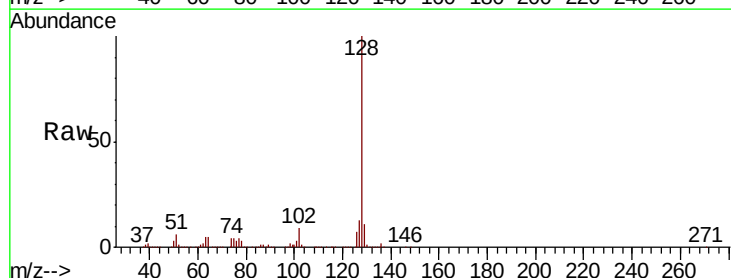
Tgt Ion: 128 Resp: 546526

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

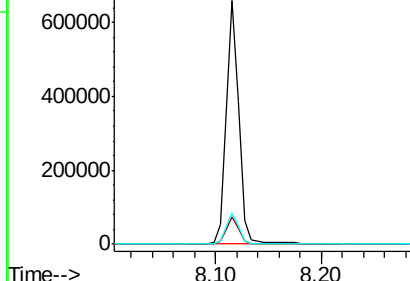
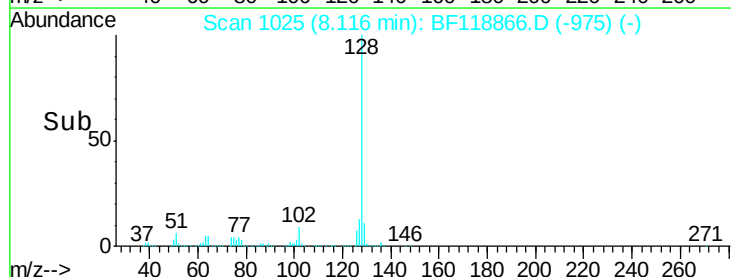
127 12.8 11.3 16.9

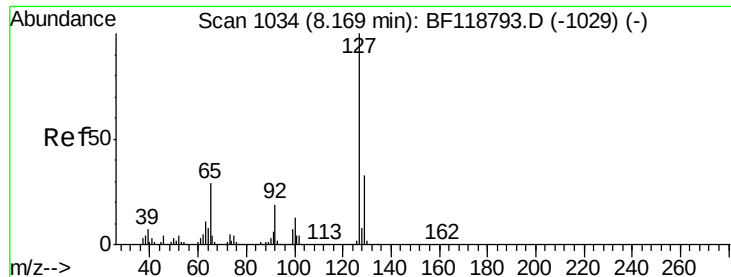


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

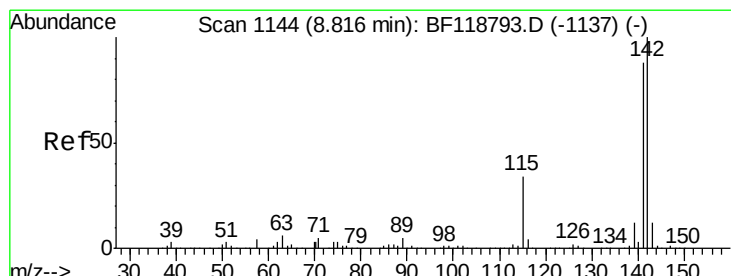
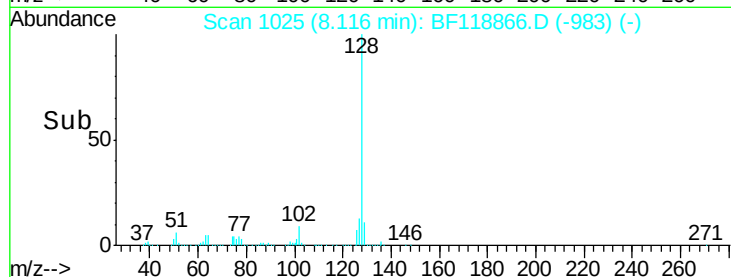
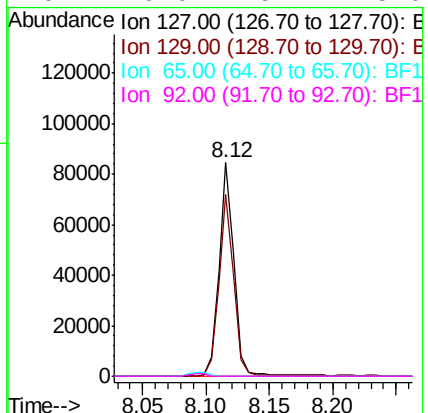
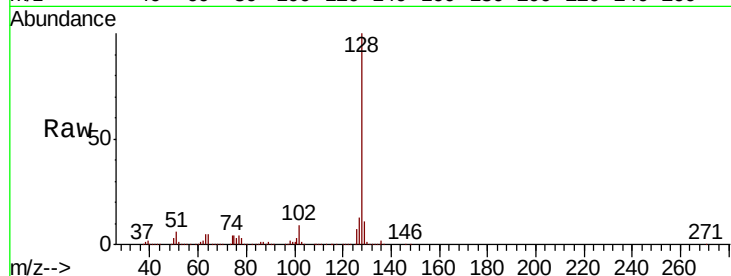




#33
4-Chloroaniline
Concen: 4.520 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

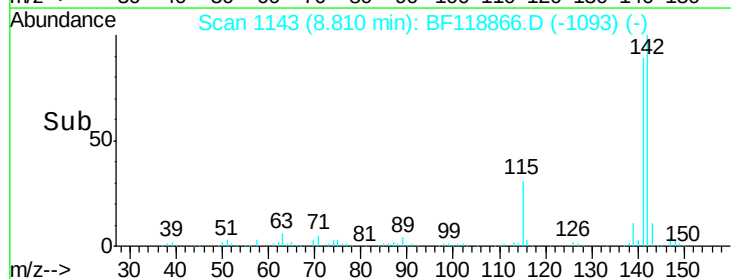
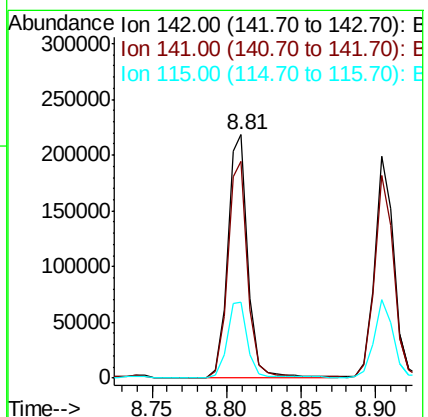
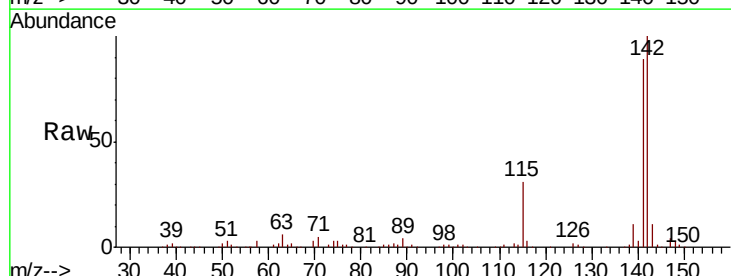
Instrument :
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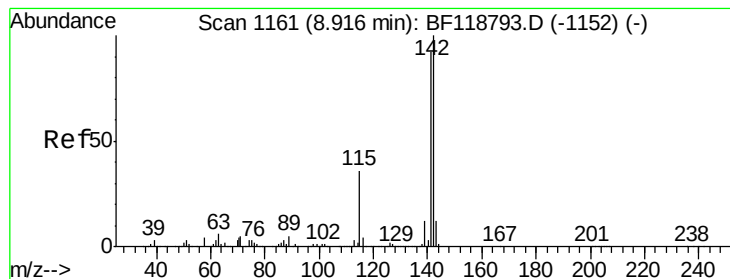
Tot Ion:127 Resp: 70626
Ion Ratio Lower Upper
127 100
129 85.4 26.7 40.1#
65 0.0 22.9 34.3#
92 0.0 15.4 23.0#



#37
2-Methylnaphthalene
Concen: 8.669 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

Tgt Ion:142 Resp: 209999
Ion Ratio Lower Upper
142 100
141 88.8 70.1 105.1
115 31.3 27.3 40.9





#38

1-Methylnaphthalene

Concen: 7.882 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

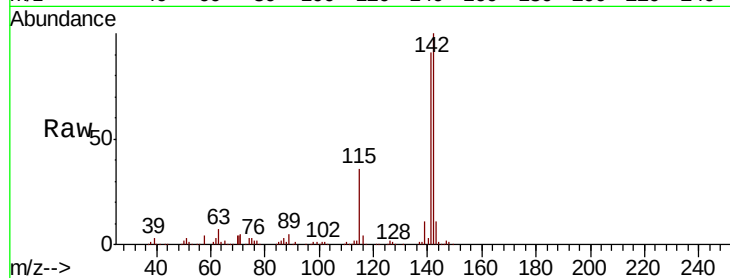
Tot Ion:142 Resp: 179608

Ion Ratio Lower Upper

142 100

141 91.2 73.8 110.6

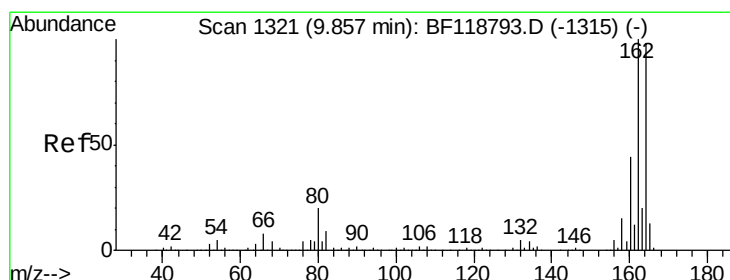
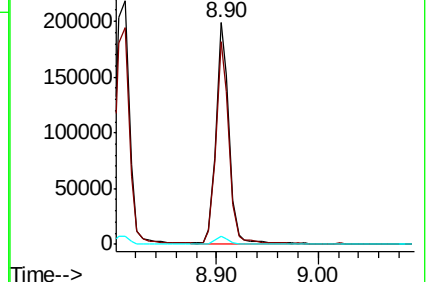
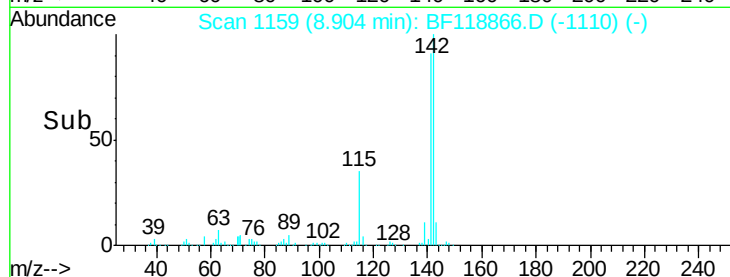
116 3.6 3.0 4.4



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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

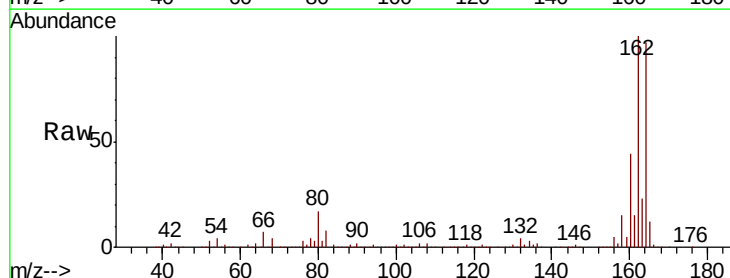
Tgt Ion:164 Resp: 447466

Ion Ratio Lower Upper

164 100

162 102.8 81.4 122.2

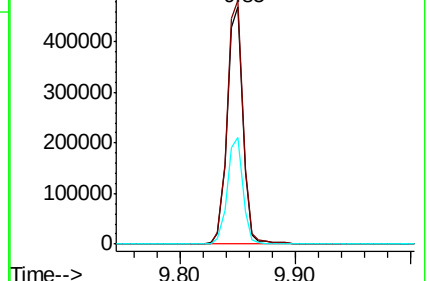
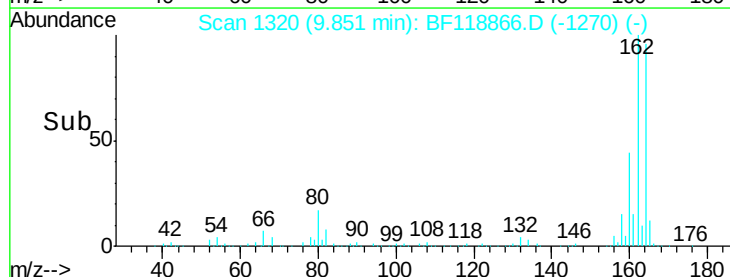
160 45.0 35.6 53.4

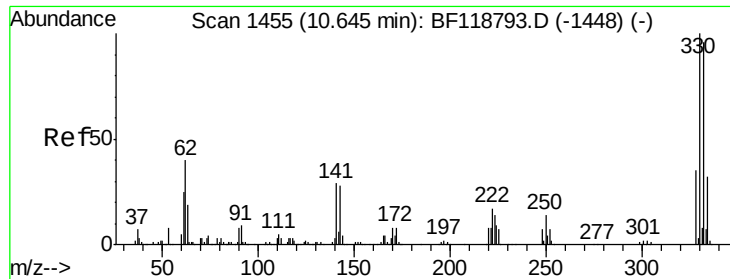


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

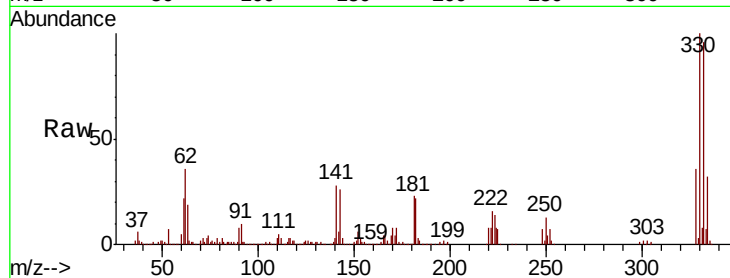




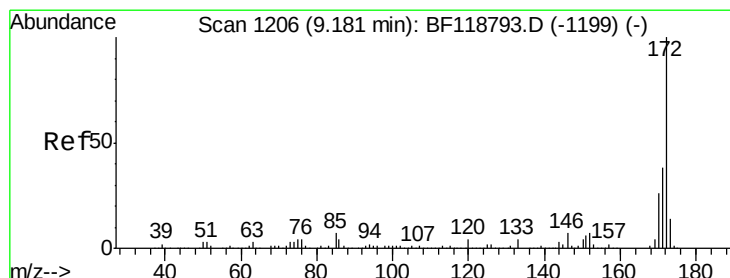
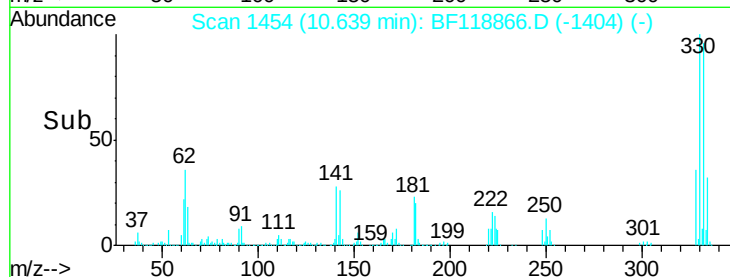
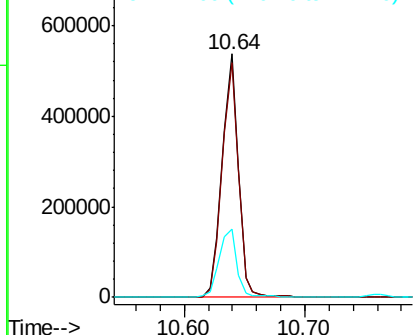
#42
 2,4,6-Tribromophenol
 Concen: 94.256 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF118866.D
 Acq: 10 Feb 2020 12:36

Instrument :
 BNA_F
 ClientSampleId :
 TP11-EP2-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	30.2	22.4	33.6

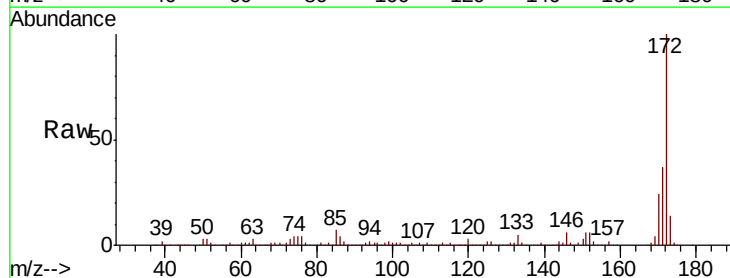


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

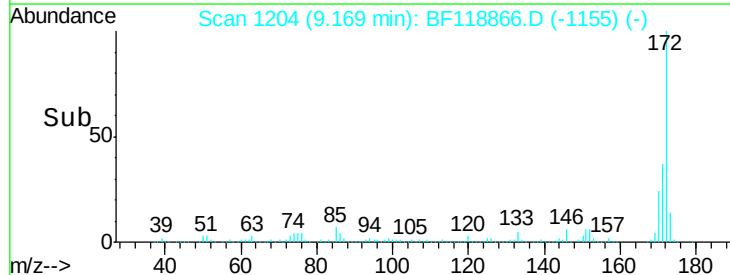
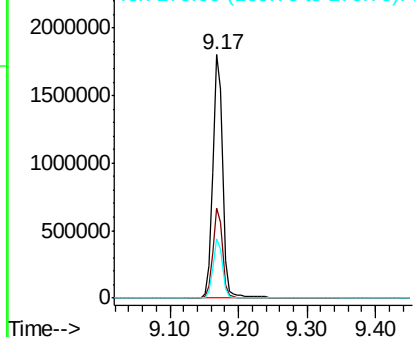


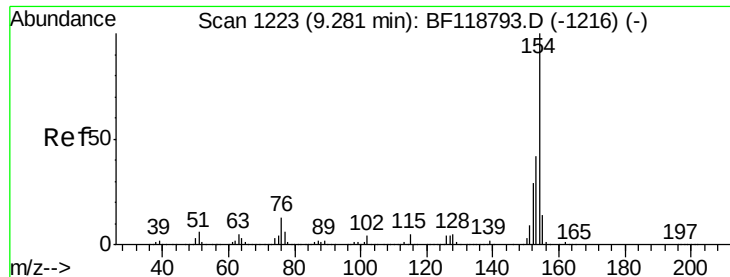
#45
 2-Fluorobiphenyl
 Concen: 71.462 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118866.D
 Acq: 10 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	24.2	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: 2.709 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

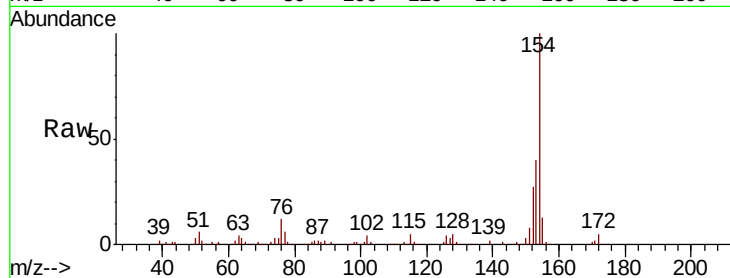
Tot Ion:154 Resp: 83837

Ion Ratio Lower Upper

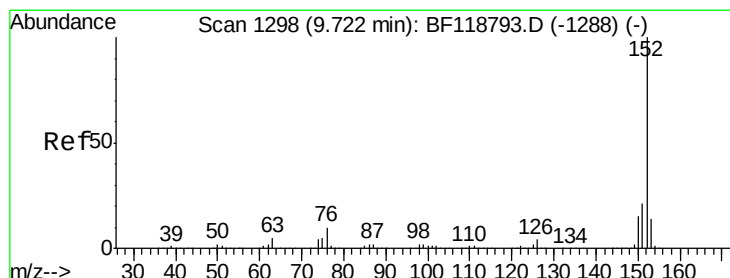
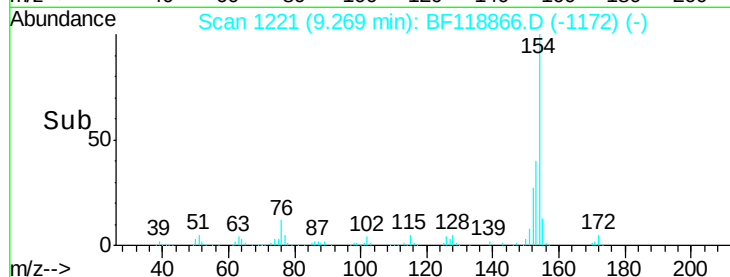
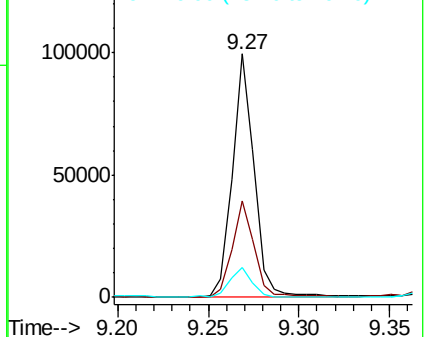
154 100

153 39.7 22.4 62.4

76 12.2 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: 7.288 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

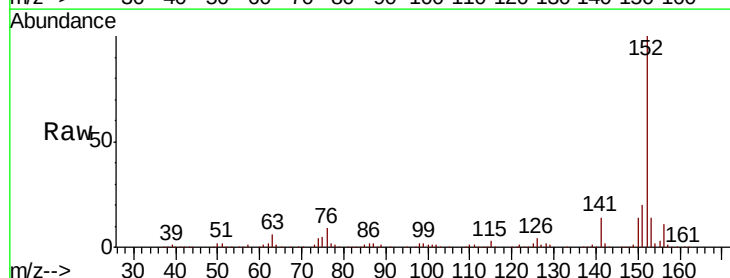
Tgt Ion:152 Resp: 270769

Ion Ratio Lower Upper

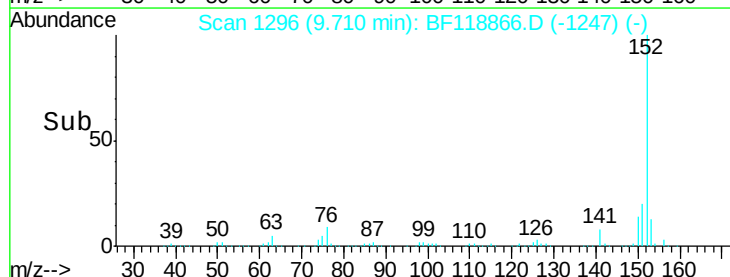
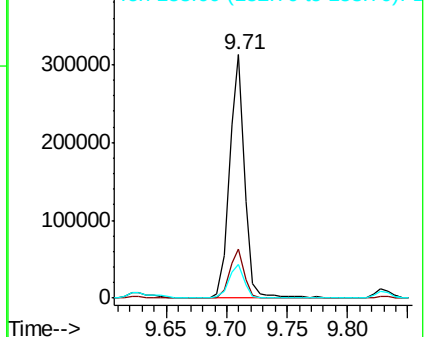
152 100

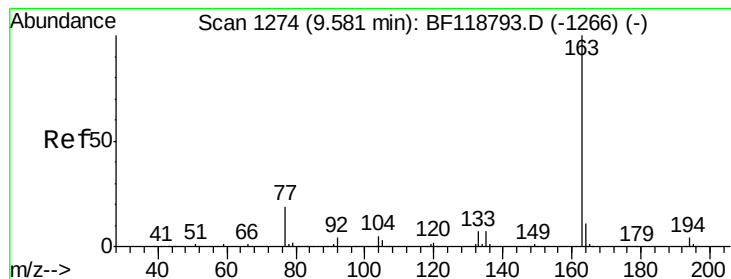
151 20.1 17.1 25.7

153 14.1 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





#50

Dimethylphthalate

Concen: 2.576 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

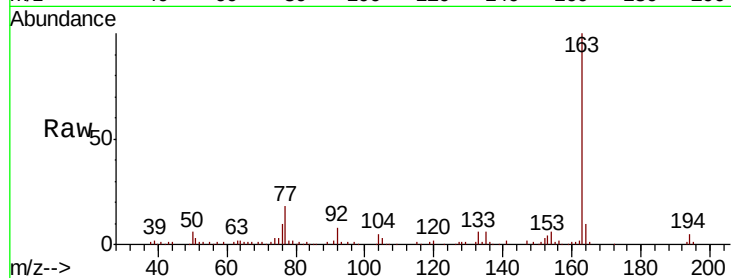
Tot Ion:163 Resp: 78499

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

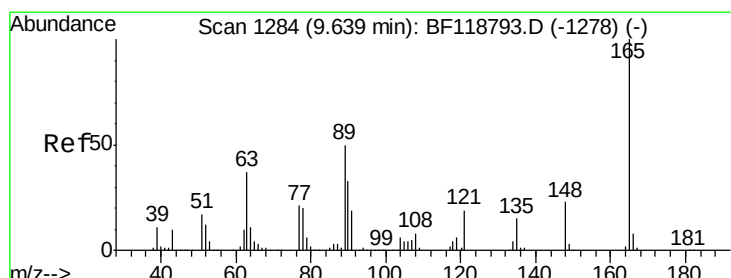
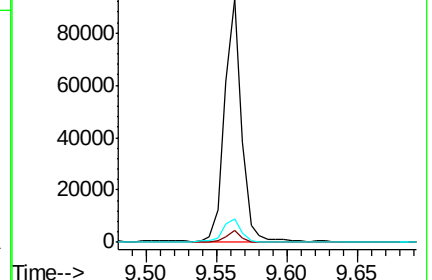
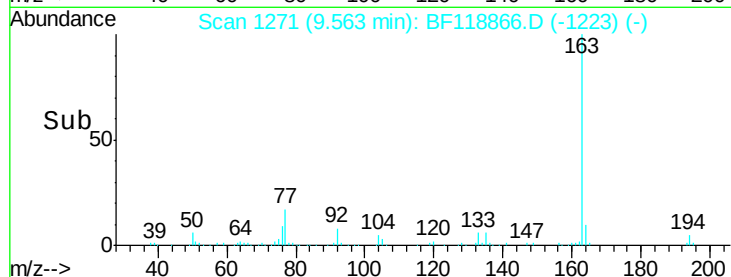
164 9.7 8.7 13.1



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



#51

2,6-Dinitrotoluene

Concen: 9.935 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

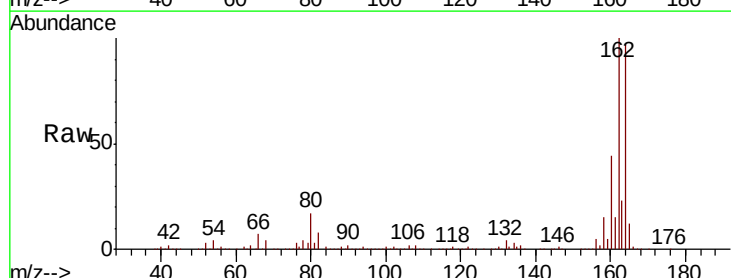
Tgt Ion:165 Resp: 69260

Ion Ratio Lower Upper

165 100

63 1.3 37.4 56.0#

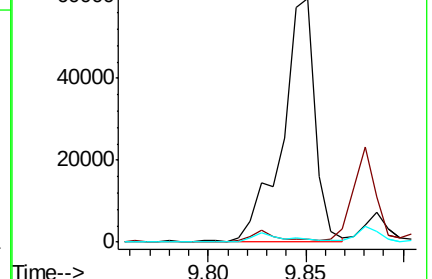
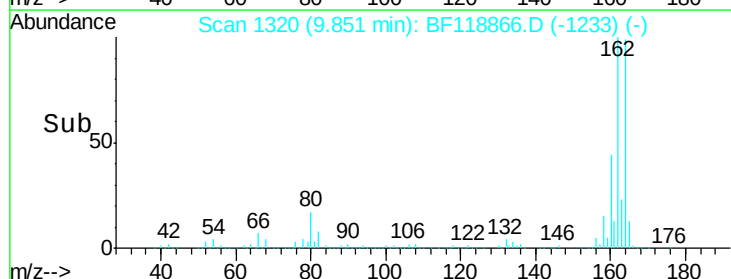
89 1.1 39.7 59.5#

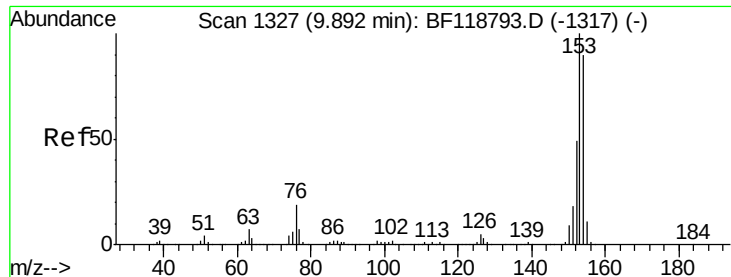


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 10.303 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

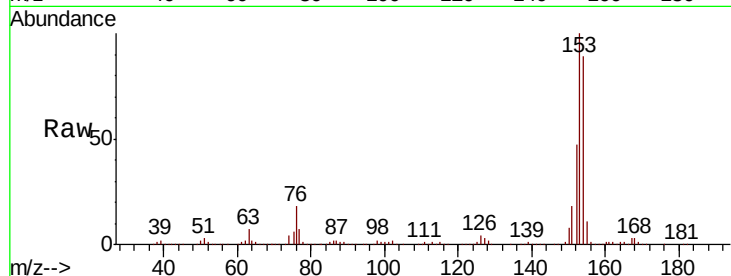
Tot Ion:154 Resp: 252254

Ion Ratio Lower Upper

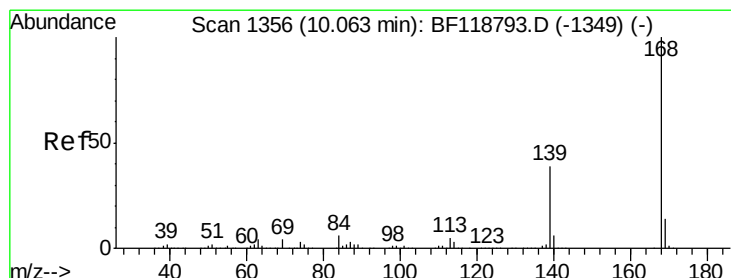
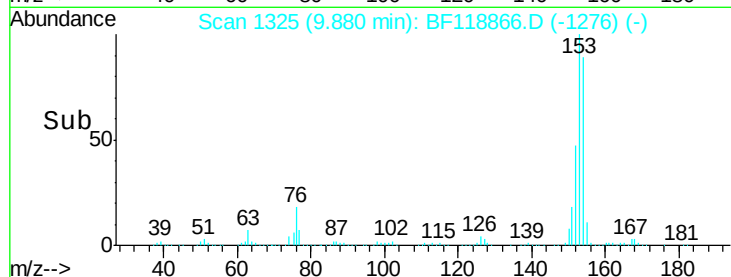
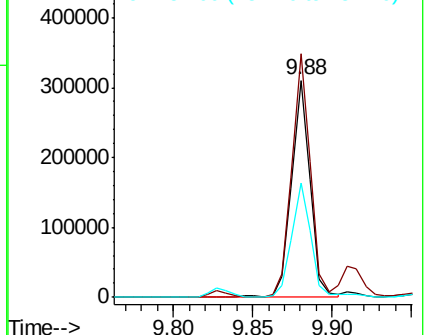
154 100

153 112.0 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: 13.215 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

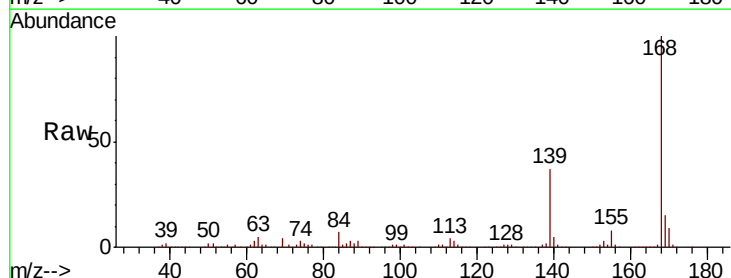
Tgt Ion:168 Resp: 467589

Ion Ratio Lower Upper

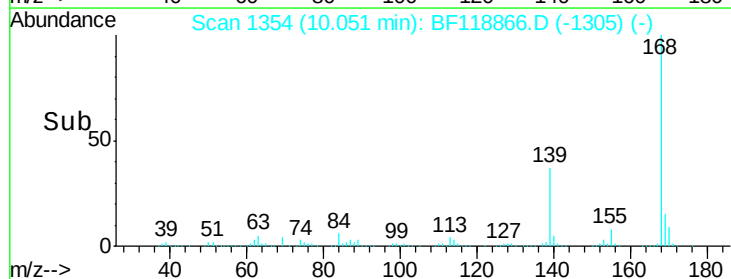
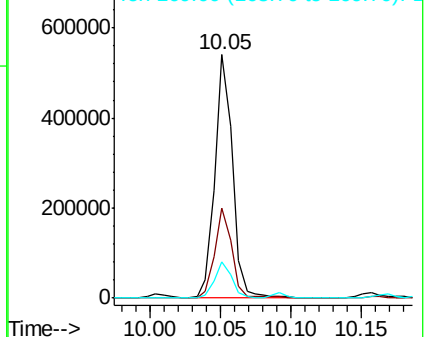
168 100

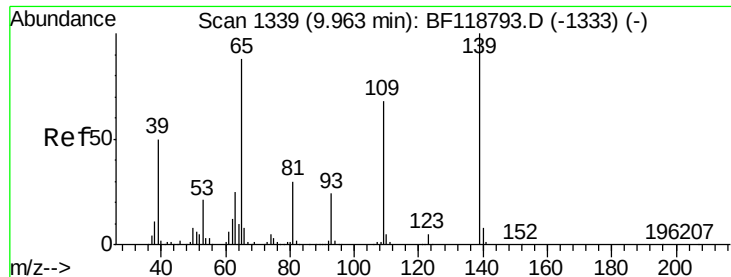
139 36.9 31.6 47.4

169 14.7 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: 29.828 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.09 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

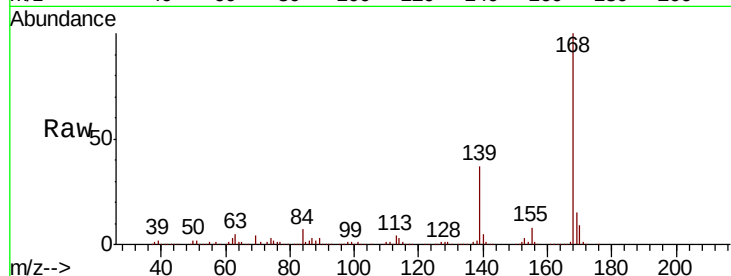
Tot Ion:139 Resp: 166907

Ion Ratio Lower Upper

139 100

109 0.9 48.0 88.0#

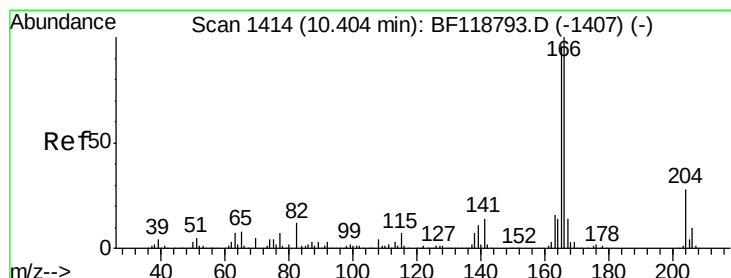
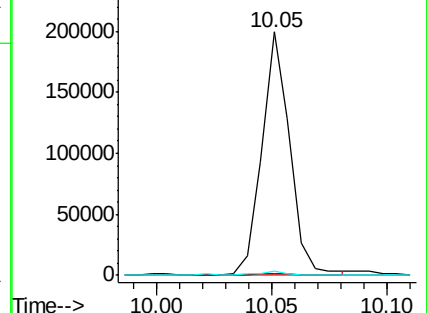
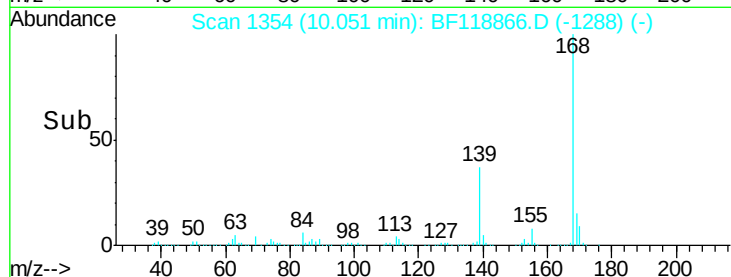
65 1.5 68.3 108.3#



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: 18.675 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

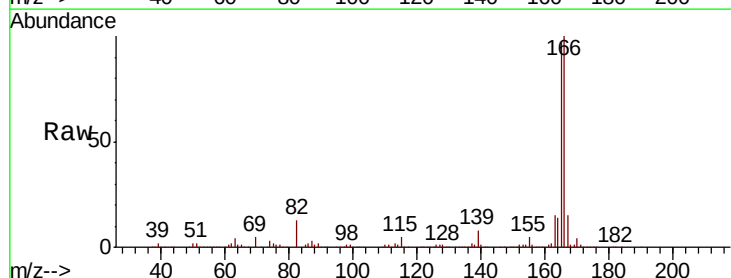
Tgt Ion:166 Resp: 497094

Ion Ratio Lower Upper

166 100

165 96.7 77.0 115.6

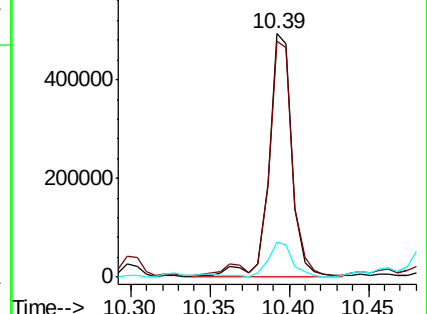
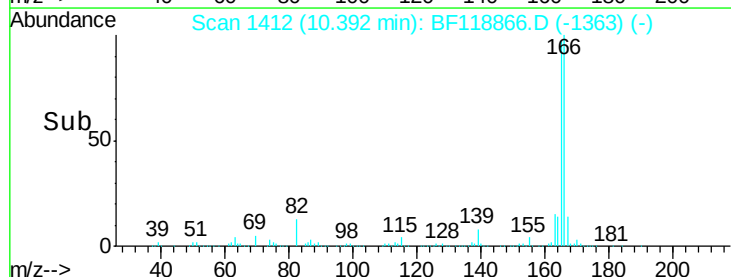
167 14.6 11.1 16.7

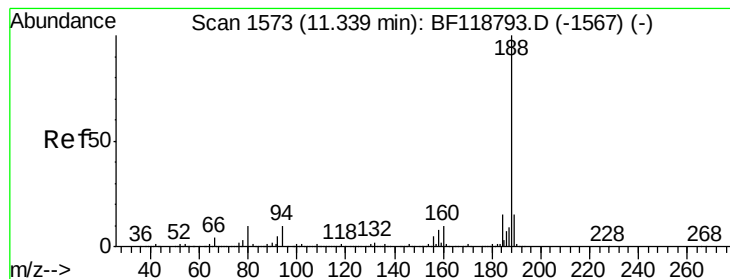


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1572

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

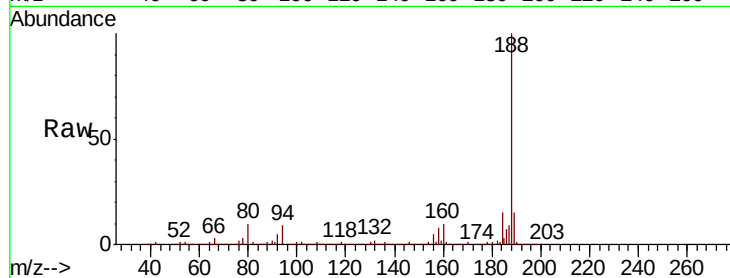
Tot Ion:188 Resp: 837642

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

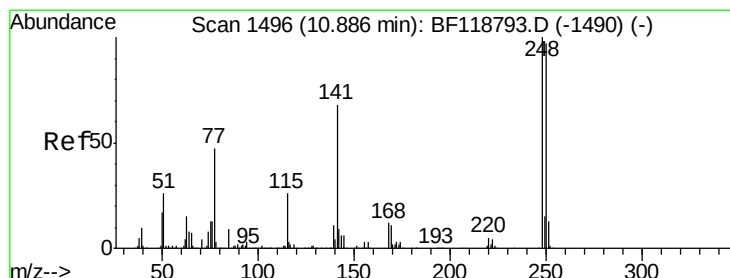
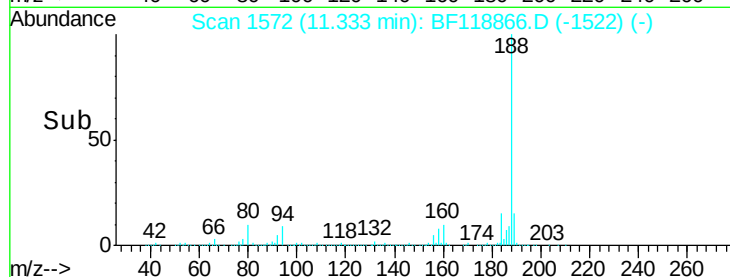
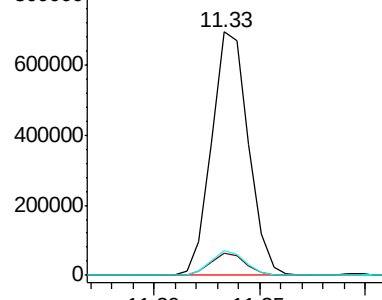
80 10.0 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.432 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

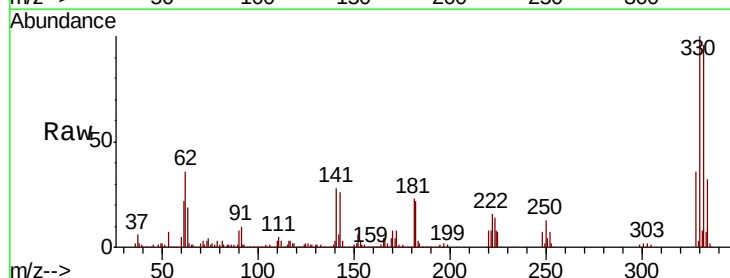
Tgt Ion:248 Resp: 34003

Ion Ratio Lower Upper

248 100

250 194.4 77.6 116.4#

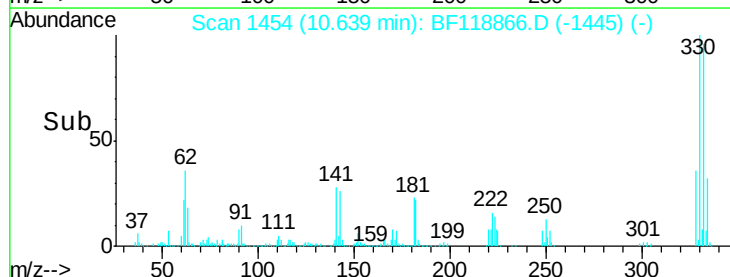
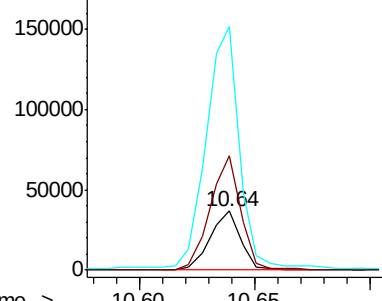
141 411.9 54.4 81.6#

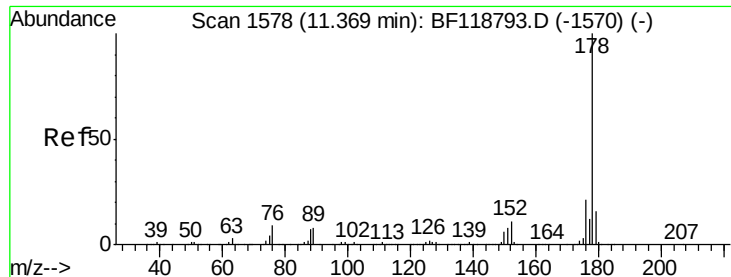


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

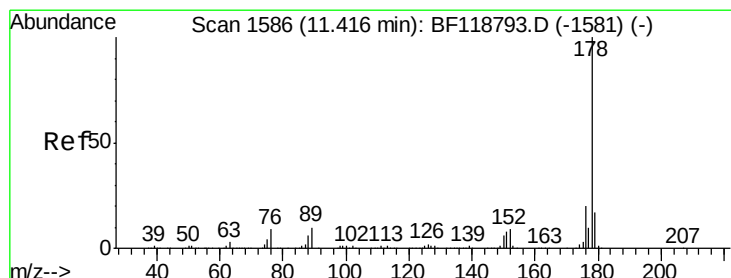
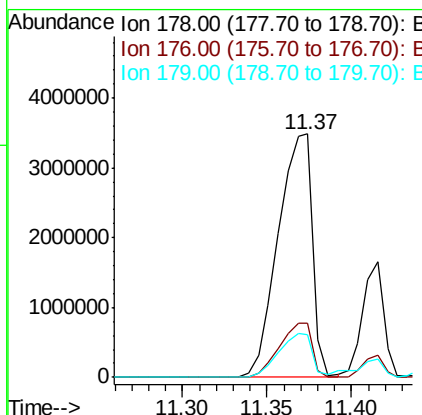
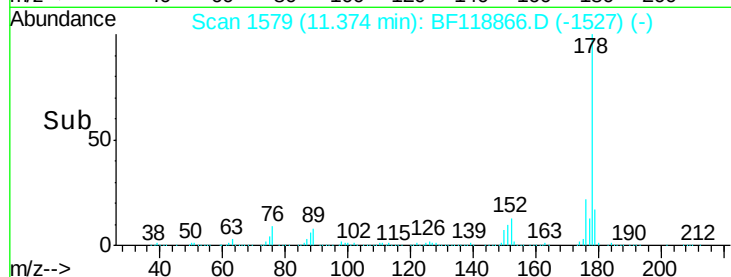
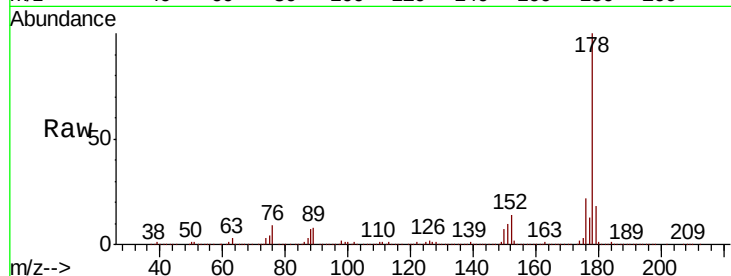




#71
Phenanthrene
Concen: 119.474 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

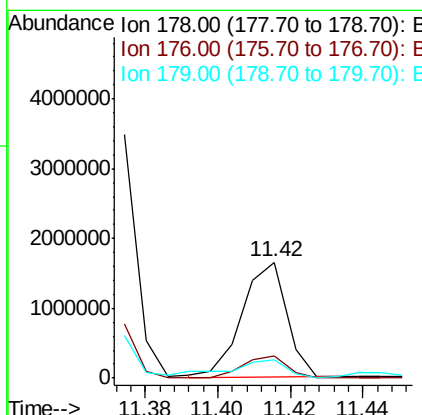
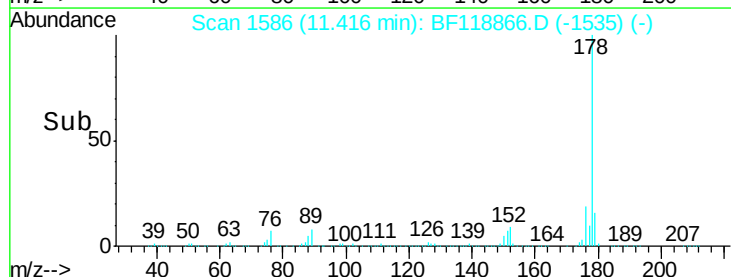
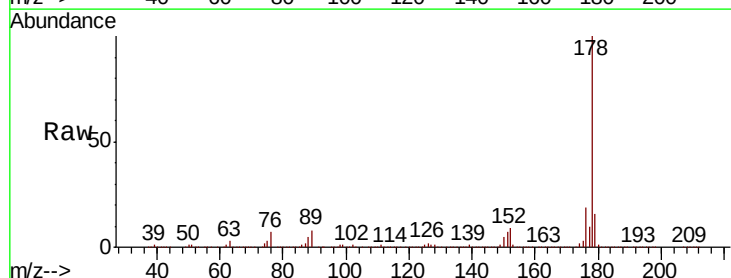
Instrument :
BNA_F
ClientSampleId :
TP11-EP2-3

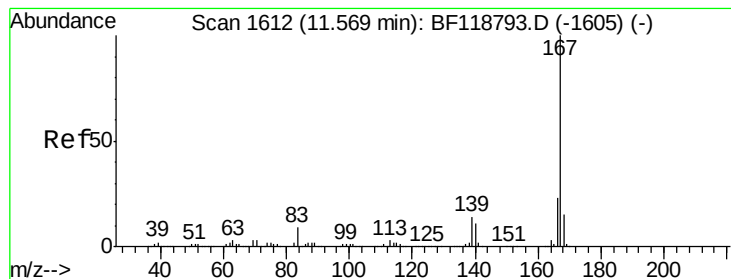
Tot Ion:178 Resp: 4923901
Ion Ratio Lower Upper
178 100
176 22.5 16.6 24.8
179 17.5 13.2 19.8



#72
Anthracene
Concen: 34.221 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

Tgt Ion:178 Resp: 1403060
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.9 13.4 20.2





#73

Carbazole

Concen: 17.959 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

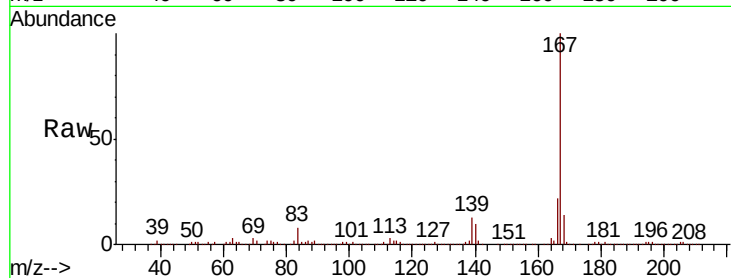
Tot Ion:167 Resp: 646180

Ion Ratio Lower Upper

167 100

166 21.9 18.4 27.6

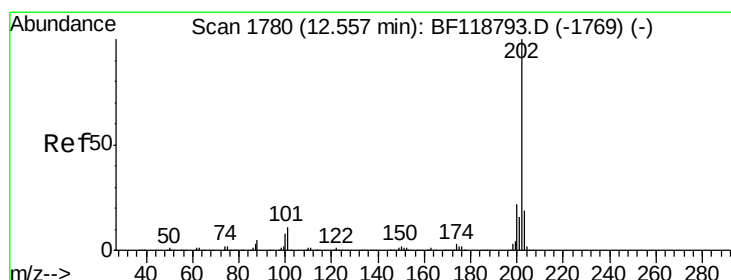
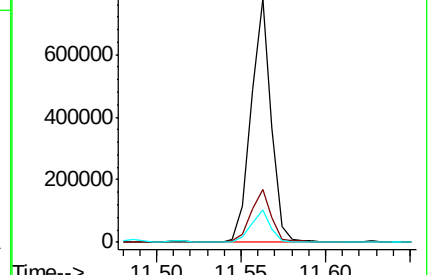
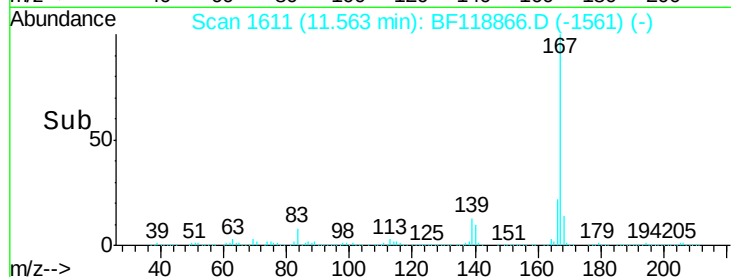
139 13.1 11.1 16.7



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: 104.925 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

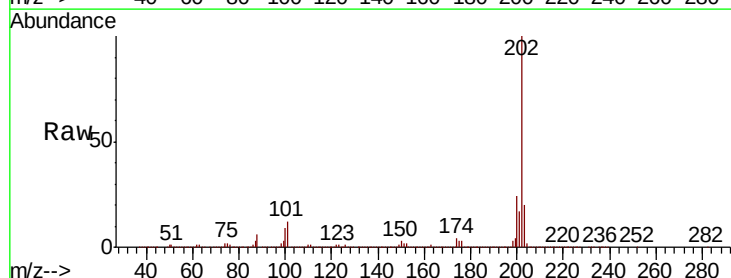
Tgt Ion:202 Resp: 4721363

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.0

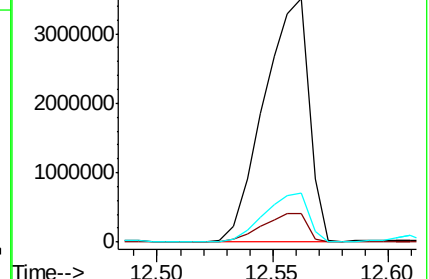
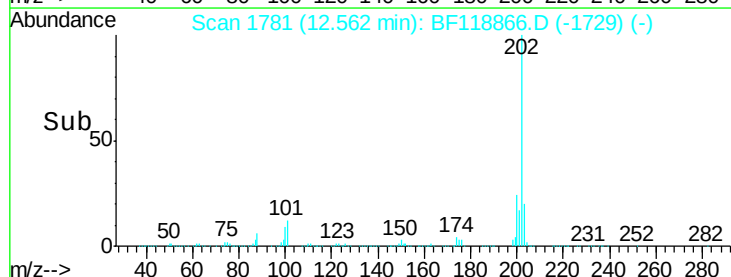
203 19.9 0.0 38.7

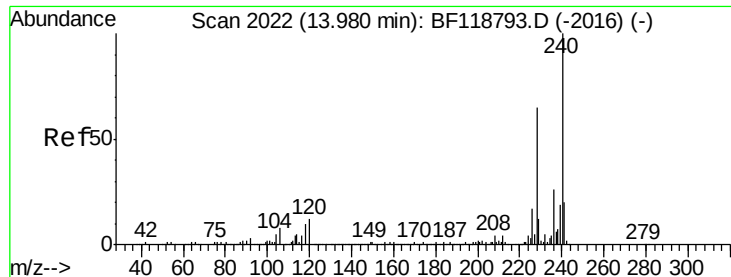


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

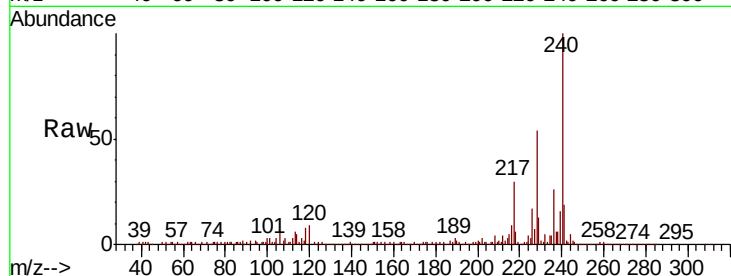
Tot Ion:240 Resp: 680442

Ion Ratio Lower Upper

240 100

120 9.2 9.4 14.0#

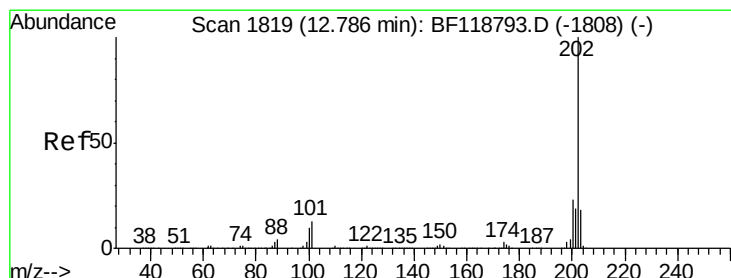
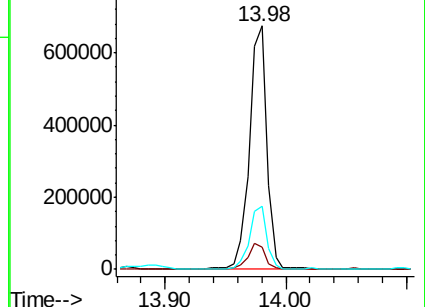
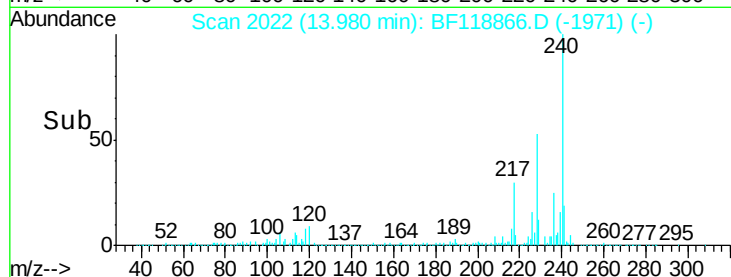
236 25.7 21.0 31.6



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

Pyrene

Concen: 91.422 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

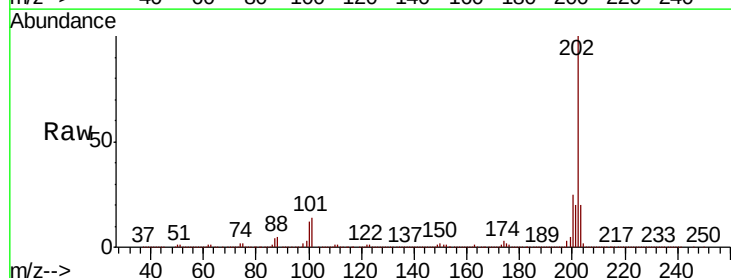
Tgt Ion:202 Resp: 4267607

Ion Ratio Lower Upper

202 100

200 24.6 18.2 27.2

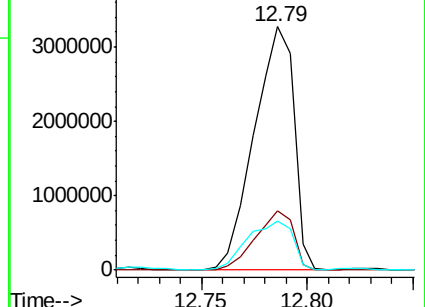
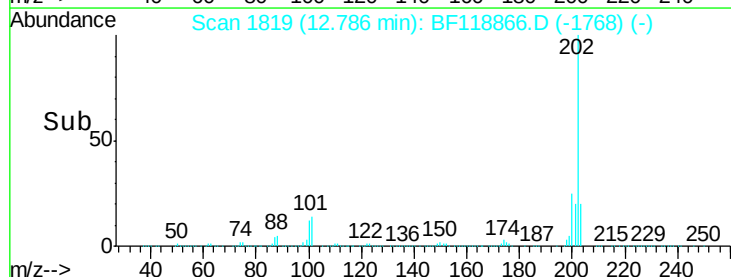
203 20.4 14.8 22.2

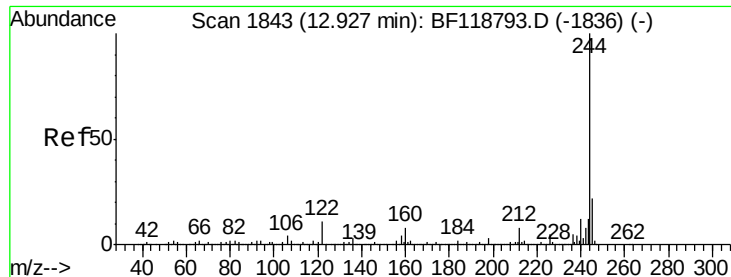


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 67.115 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

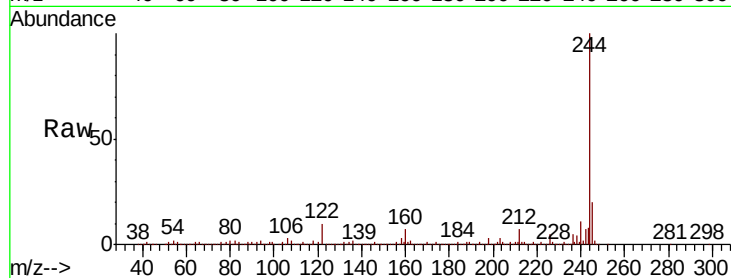
Tot Ion:244 Resp: 2223324

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

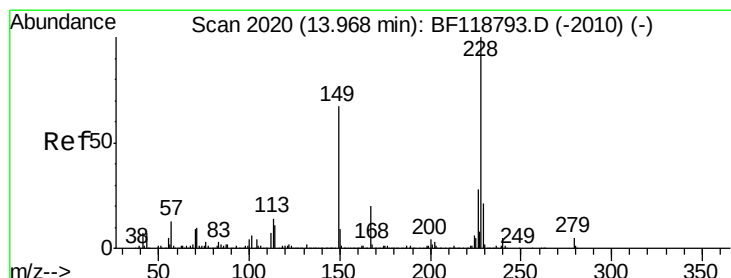
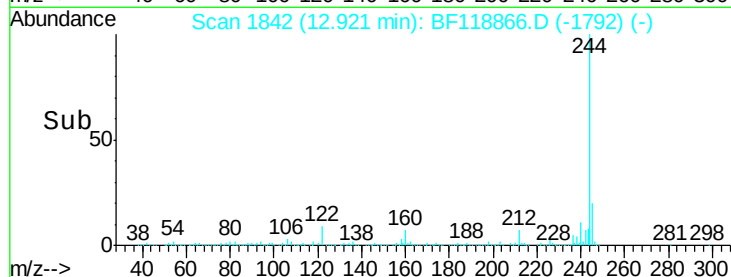
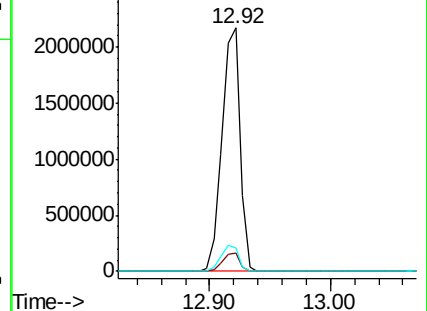
122 9.5 8.9 13.3



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: 56.548 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

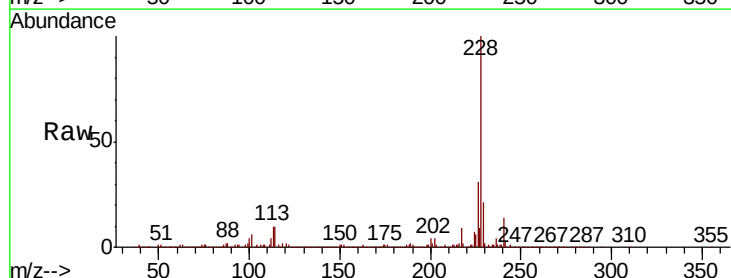
Tgt Ion:228 Resp: 2289643

Ion Ratio Lower Upper

228 100

226 30.5 22.7 34.1

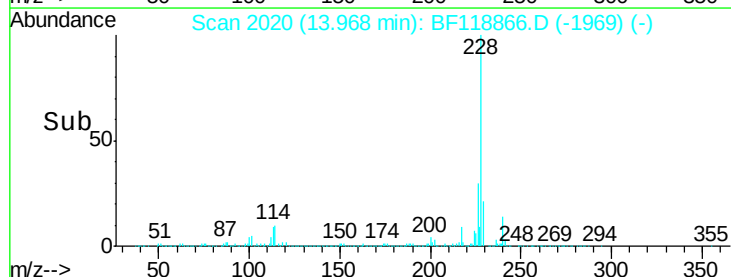
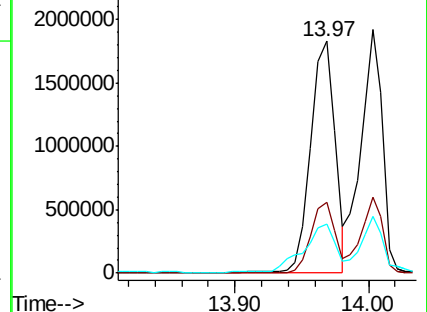
229 21.4 16.6 25.0

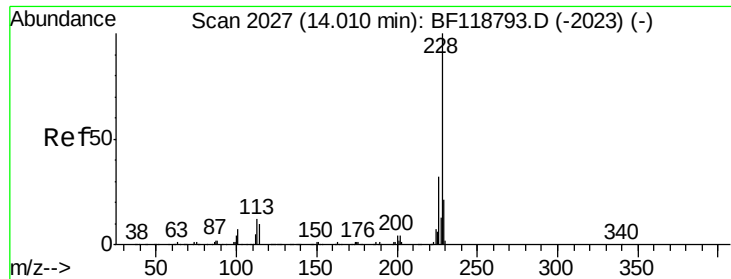


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

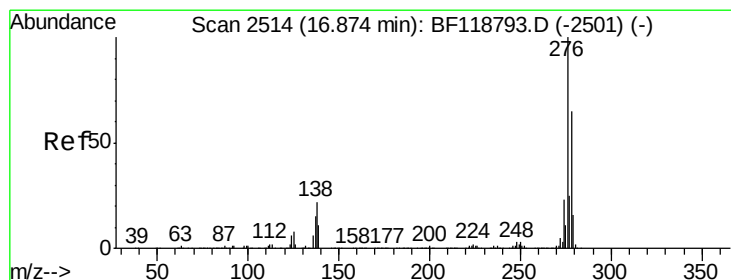
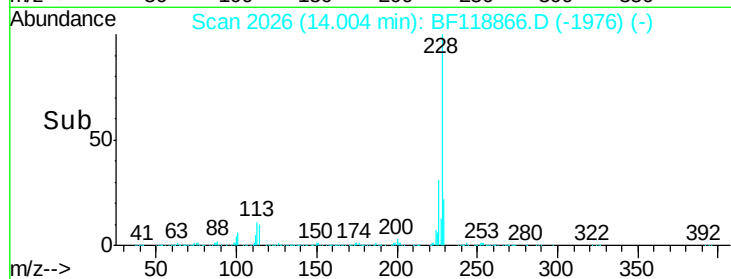
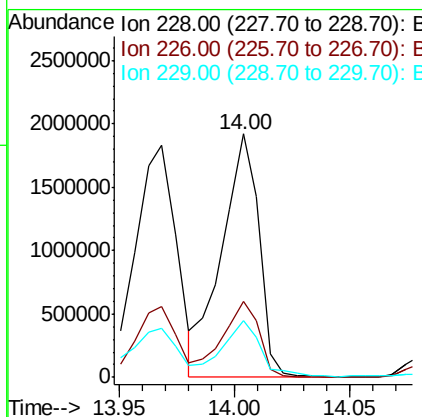
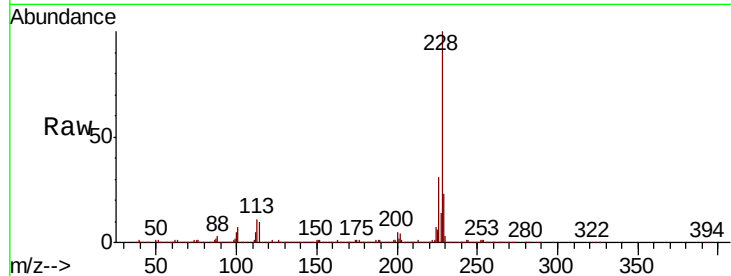




#83
Chrysene
Concen: 52.891 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

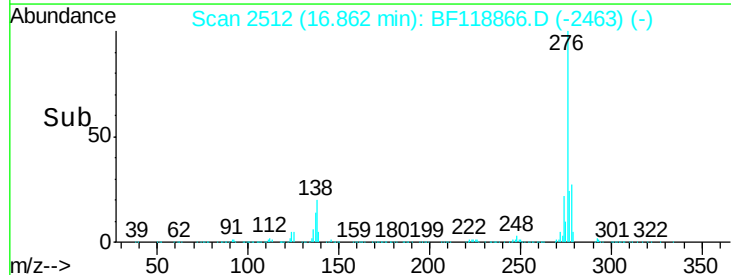
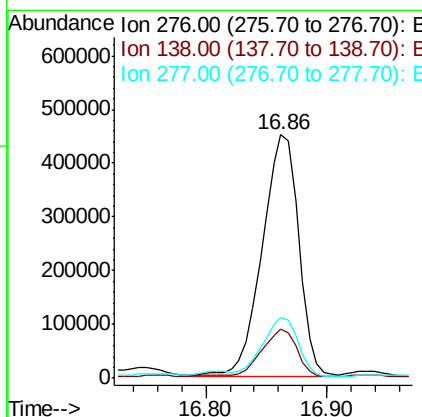
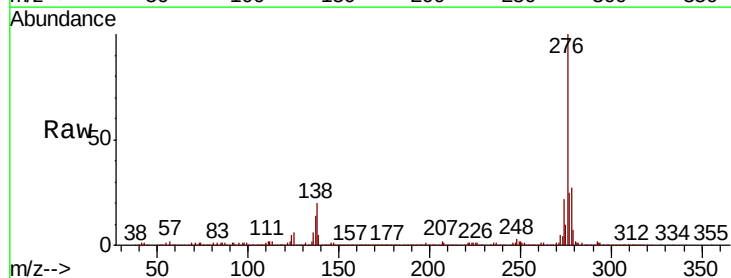
Instrument :
BNA_F
ClientSampleId :
TP11-EP2-3

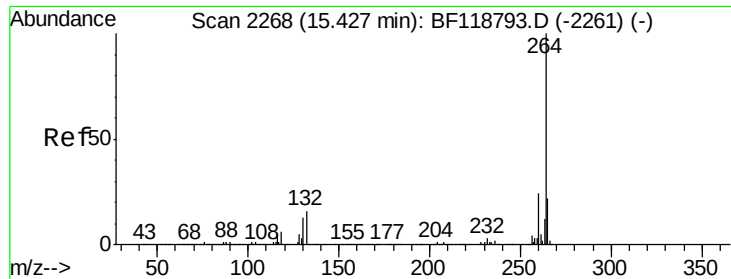
Tot Ion:228 Resp: 2149420
Ion Ratio Lower Upper
228 100
226 31.4 25.4 38.0
229 23.2 16.9 25.3



#86
Indeno(1,2,3-cd)pyrene
Concen: 23.196 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

Tgt Ion:276 Resp: 947082
Ion Ratio Lower Upper
276 100
138 19.9 18.3 27.5
277 23.7 20.2 30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

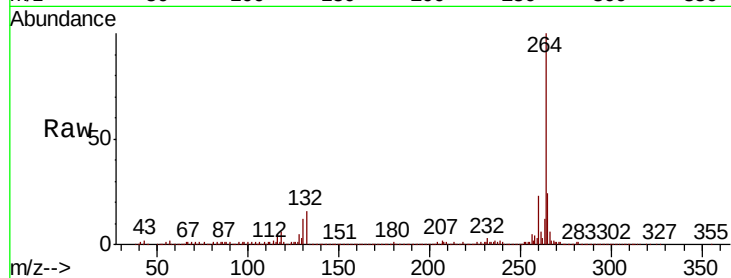
Tot Ion:264 Resp: 648833

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

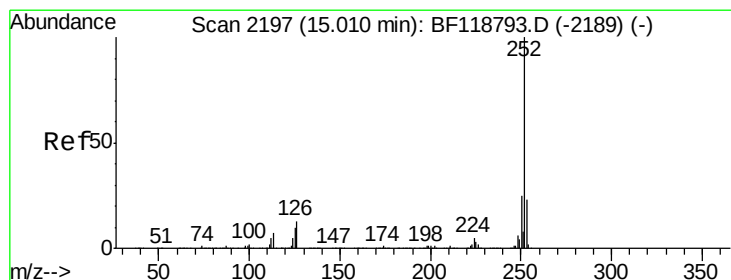
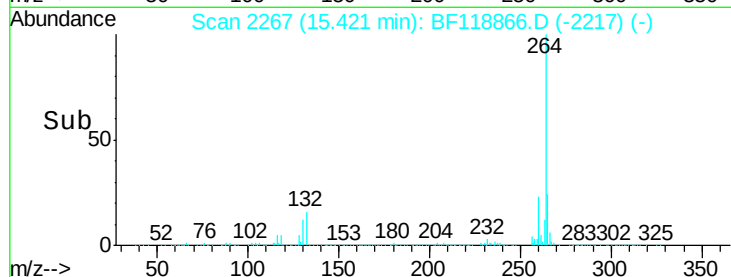
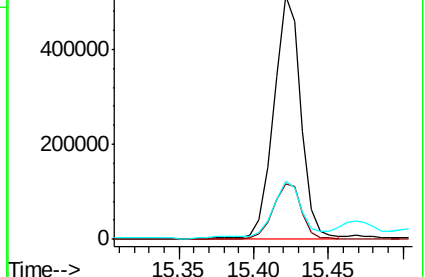
265 24.1 17.2 25.8



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



#88

Benzo(b)fluoranthene

Concen: 68.827 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.00 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

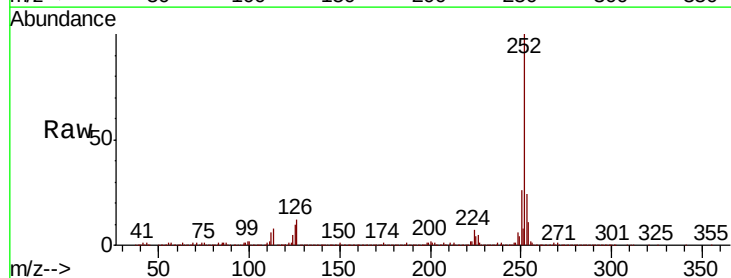
Tgt Ion:252 Resp: 2771071

Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

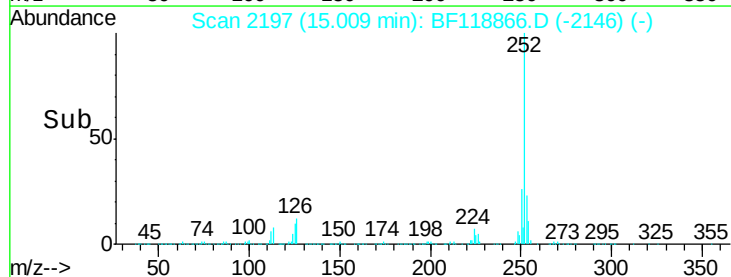
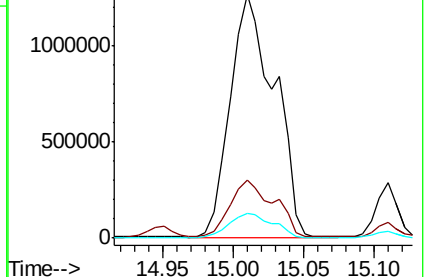
125 10.4 8.1 12.1

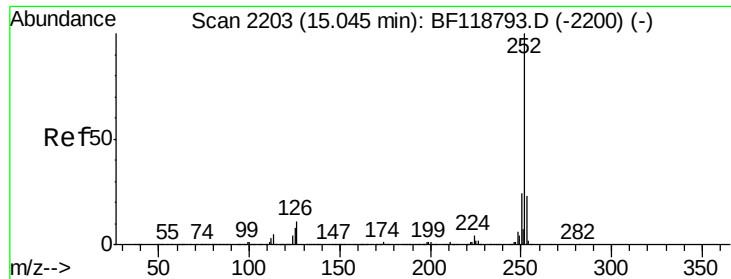


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

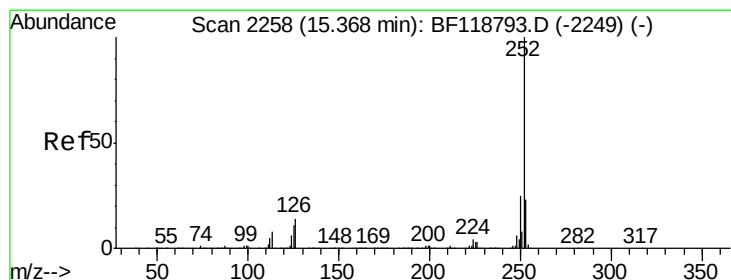
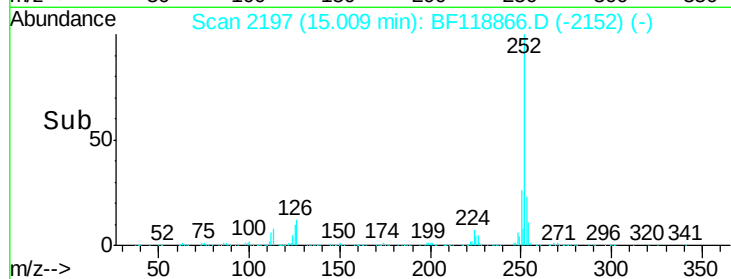
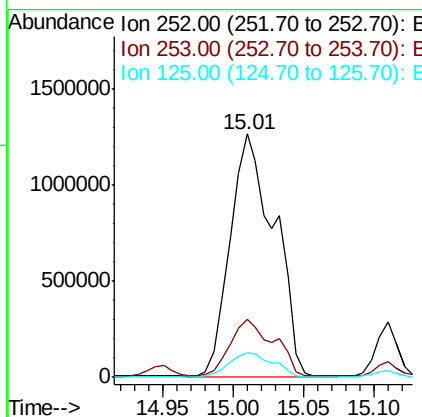
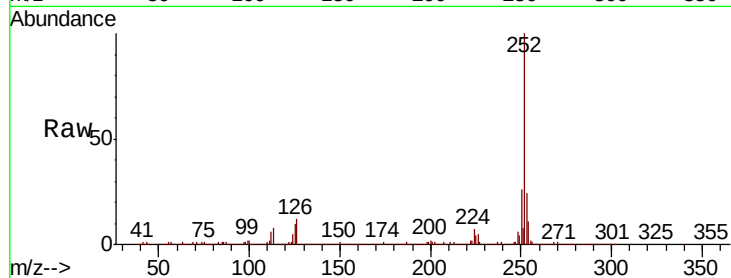




#89
Benzo(k)fluoranthene
Concen: 79.039 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

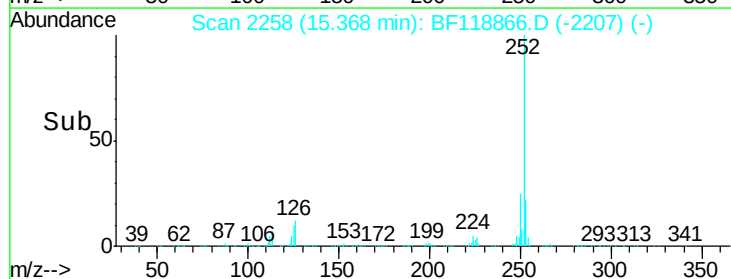
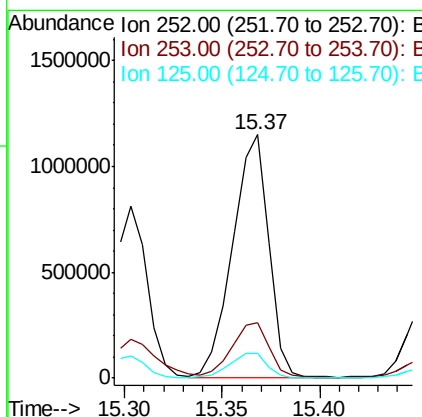
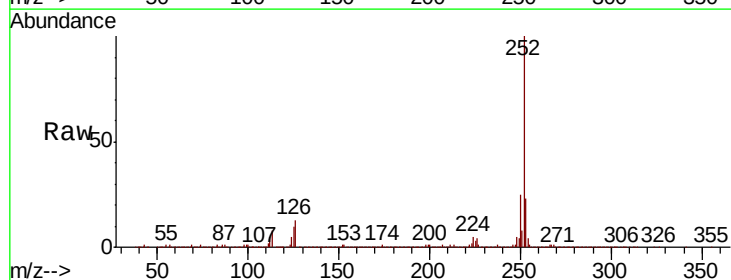
Instrument :
BNA_F
ClientSampleId :
TP11-EP2-3

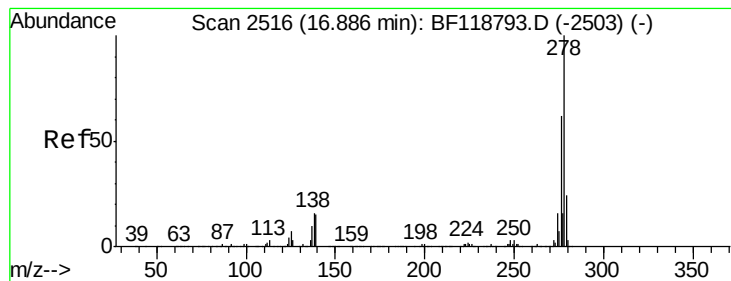
Tot Ion:252 Resp: 2771071
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.4
125 10.4 7.0 10.6



#90
Benzo(a)pyrene
Concen: 42.445 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BF118866.D
Acq: 10 Feb 2020 12:36

Tgt Ion:252 Resp: 1462484
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 8.472 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.02 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_F

ClientSampleId :

TP11-EP2-3

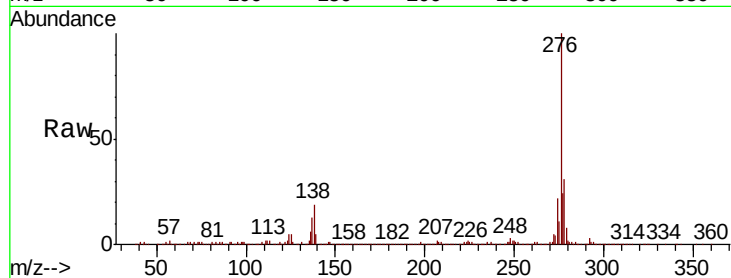
Tot Ion:278 Resp: 259154

Ion Ratio Lower Upper

278 100

139 16.6 12.3 18.5

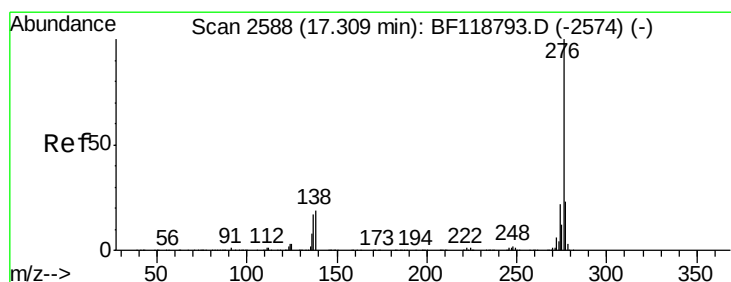
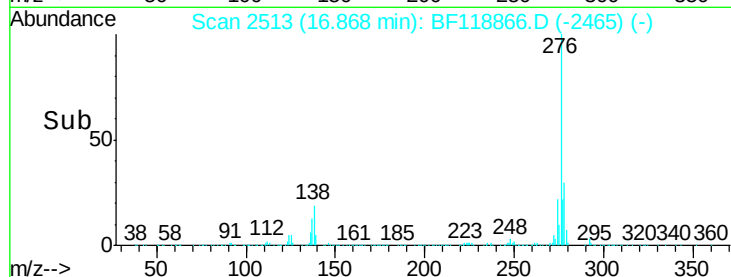
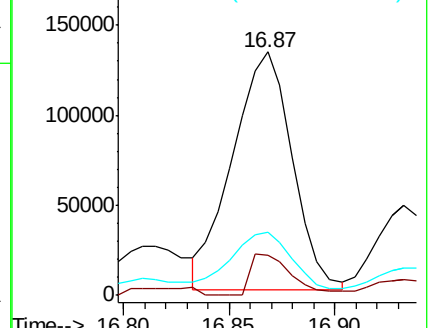
279 25.9 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 32.295 ng

RT: 17.30 min Scan# 2586

Delta R.T. -0.01 min

Lab File: BF118866.D

Acq: 10 Feb 2020 12:36

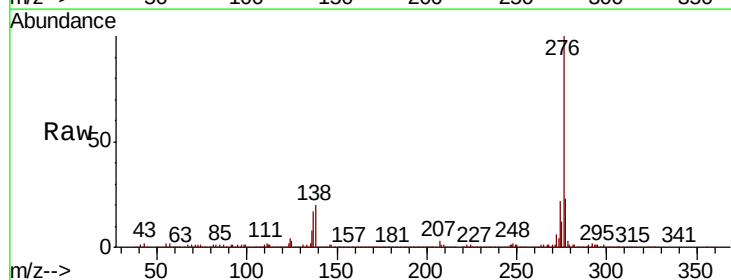
Tgt Ion:276 Resp: 950019

Ion Ratio Lower Upper

276 100

277 23.3 18.7 28.1

138 20.2 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

