

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF118991.D
 Acq On : 21 Feb 2020 14:25
 Operator : CG/JU
 Sample : L1468-05 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 15:02:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	177505	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	638847	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	332644	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	506369	20.00	ng	0.00
76) Chrysene-d12	13.91	240	345023	20.00	ng	0.00
87) Perylene-d12	15.33	264	450830	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	94740	8.92	ng	0.00
7) Phenol-d6	6.39	99	119480	9.25	ng	-0.01
23) Nitrobenzene-d5	7.31	82	71876	5.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	27907	6.41	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	159560	7.07	ng	-0.02
79) Terphenyl-d14	12.85	244	135420	6.76	ng	-0.01

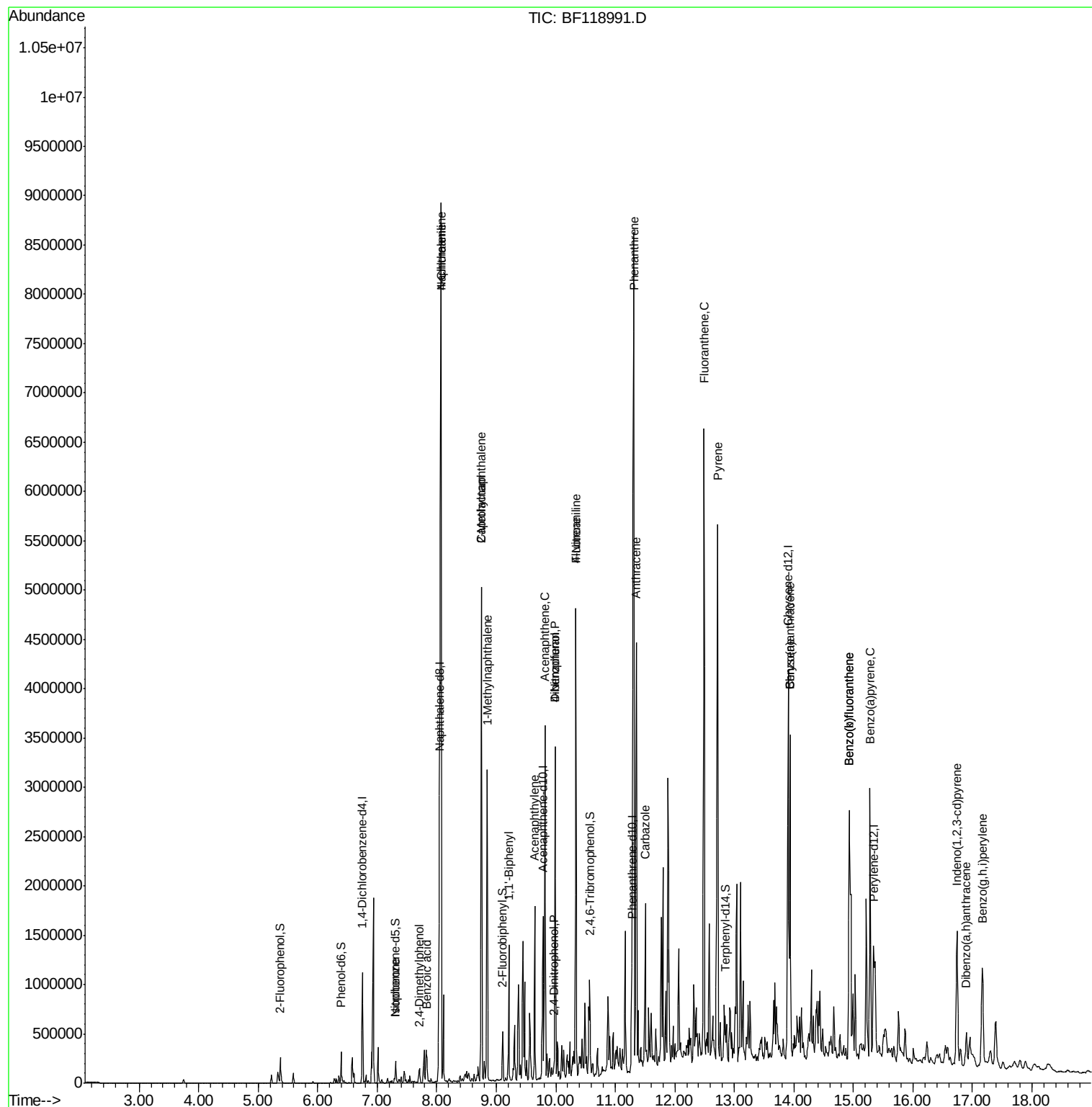
Target Compounds				Qvalue		
25) Isophorone	7.31	82	71875	3.420	ng	# 63
27) 2,4-Dimethylphenol	7.70	122	20503	2.383	ng	98
31) Naphthalene	8.07	128	6438199	194.321	ng	94
32) Benzoic acid	7.83	122	20087	9.434	ng	# 21
33) 4-Chloroaniline	8.07	127	980005	68.771	ng	# 36
35) Caprolactam	8.75	113	34442	11.043	ng	# 4
37) 2-Methylnaphthalene	8.75	142	1458277	65.404	ng	98
38) 1-Methylnaphthalene	8.85	142	874757	41.717	ng	100
46) 1,1'-Biphenyl	9.21	154	423853	15.766	ng	99
49) Acenaphthylene	9.65	152	595076	19.018	ng	98
52) Acenaphthene	9.82	154	761332	40.351	ng	100
54) 2,4-Dinitrophenol	9.97	184	106	7.510	ng	# 1
55) Dibenzofuran	9.99	168	1200430	42.626	ng	98
56) 4-Nitrophenol	9.99	139	467837	124.286	ng	# 12
58) Fluorene	10.34	166	1461744	66.797	ng	100
62) 4-Nitroaniline	10.34	138	16240	2.534	ng	# 21
71) Phenanthrene	11.31	178	4607146	166.836	ng	95
72) Anthracene	11.36	178	1812150	65.677	ng	99
73) Carbazole	11.50	167	733562	29.843	ng	99
75) Fluoranthene	12.49	202	3256187	111.086	ng	98
78) Pyrene	12.72	202	2808144	101.359	ng	97
81) Benzo(a)anthracene	13.94	228	1308517	55.661	ng	93
83) Chrysene	13.94	228	1308517	55.861	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	881204	38.852	ng	# 94
88) Benzo(b)fluoranthene	14.93	252	2177151	73.265	ng	99
89) Benzo(k)fluoranthene	14.93	252	2177151	79.058	ng	98
90) Benzo(a)pyrene	15.29	252	1413441	52.702	ng	98
91) Dibenzo(a,h)anthracene	16.90	278	223517	9.472	ng	93
92) Benzo(g,h,i)perylene	17.17	276	846191	36.292	ng	98

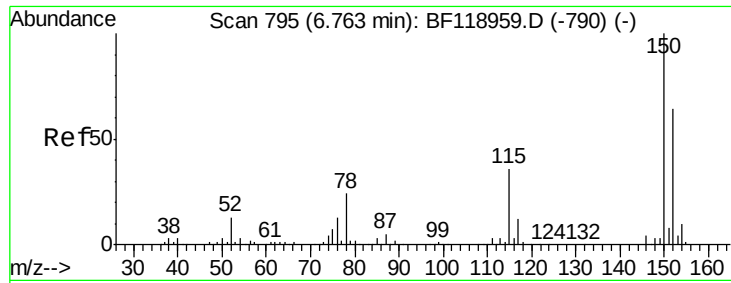
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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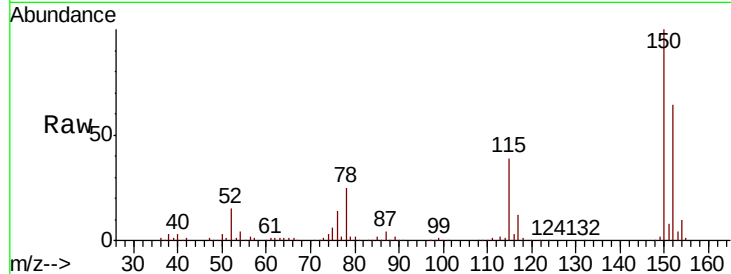


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	60.6	44.6	67.0

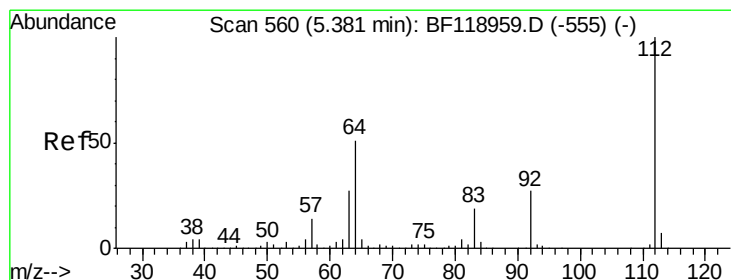
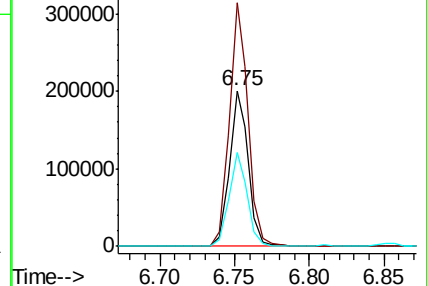
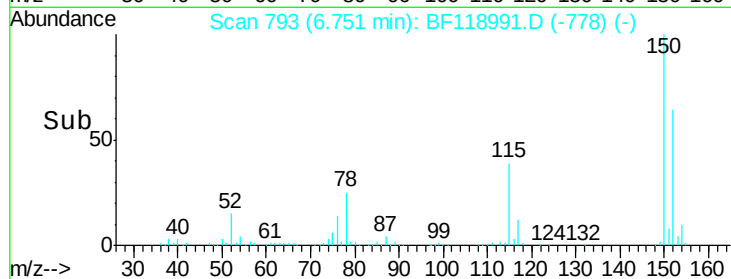


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

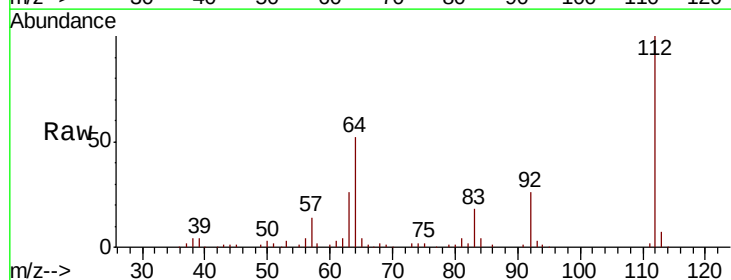
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 8.920 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	40.4	60.6
63	26.1	21.3	31.9

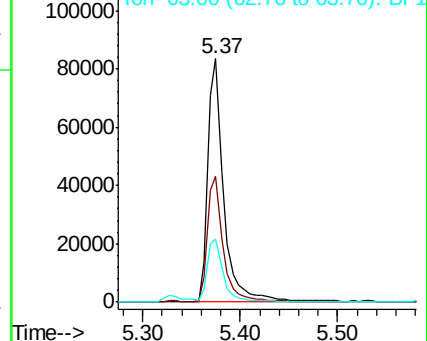
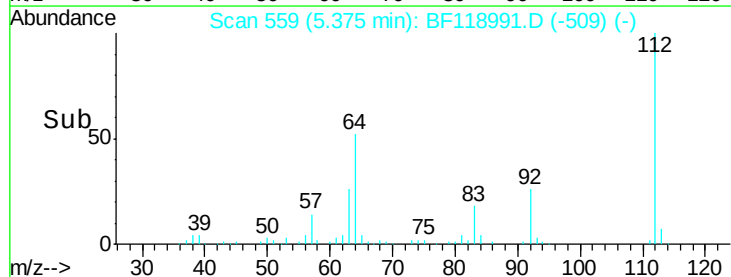


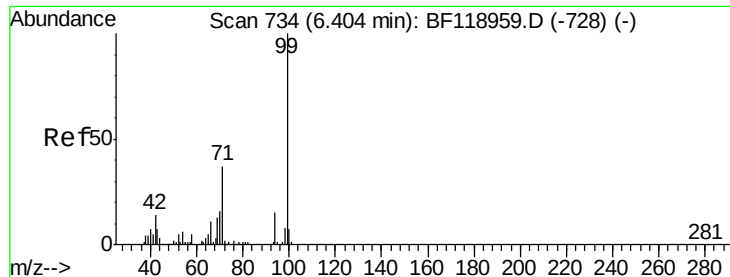
Abundance

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: 9.249 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Instrument :

BNA_F

ClientSampleId :

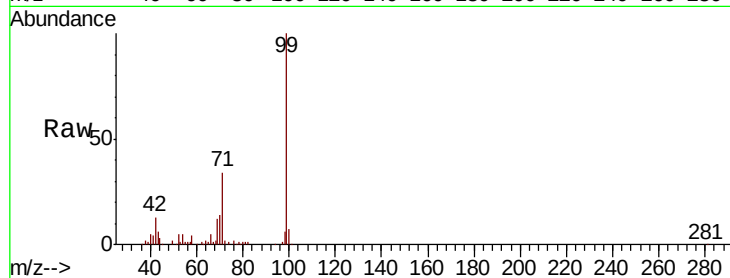
Tot Ion: 99 Resp: 119480

Ion Ratio Lower Upper

99 100

42 12.6 11.4 17.0

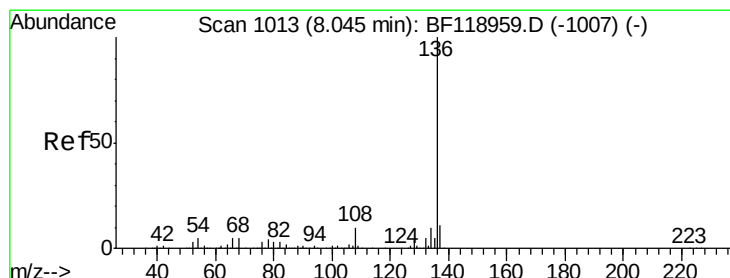
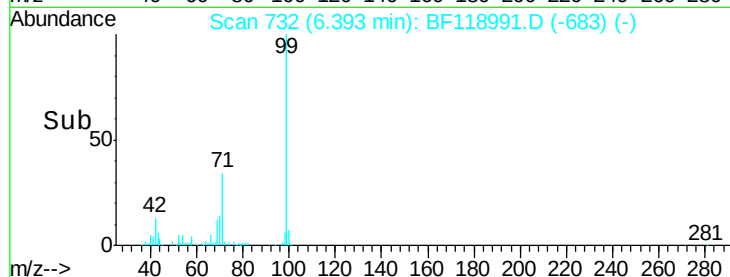
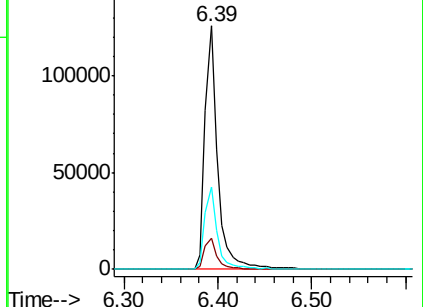
71 33.6 29.8 44.6



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: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Tgt Ion: 136 Resp: 638847

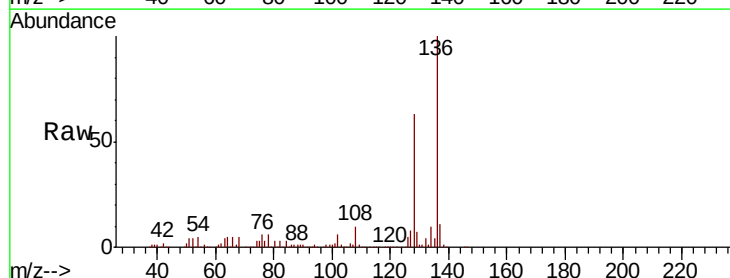
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 4.9 3.8 5.6

68 5.4 4.2 6.2

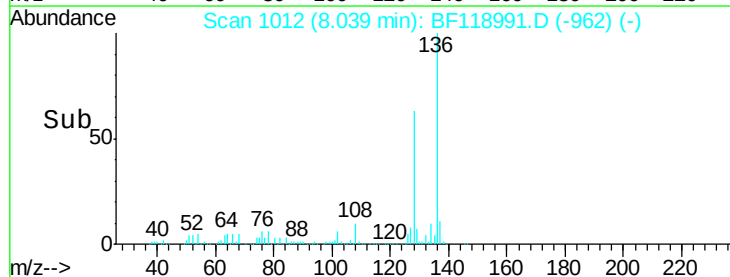
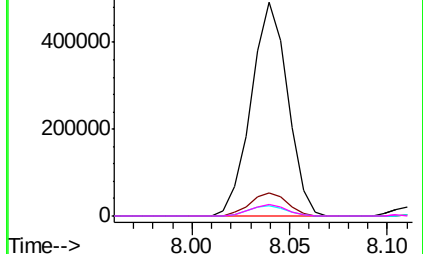


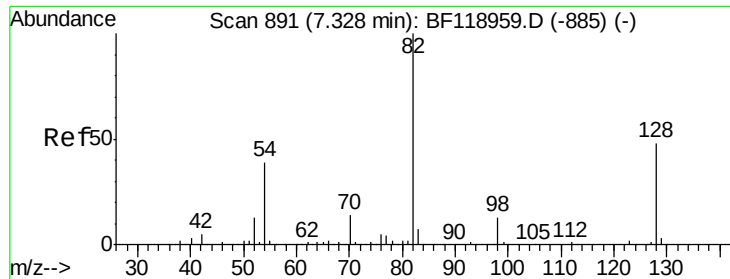
Abundance Ion 136.00 (135.70 to 136.70): E

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

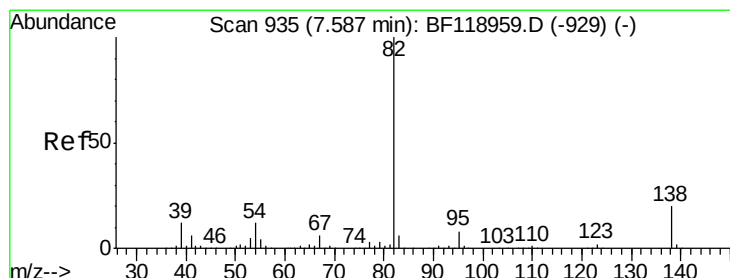
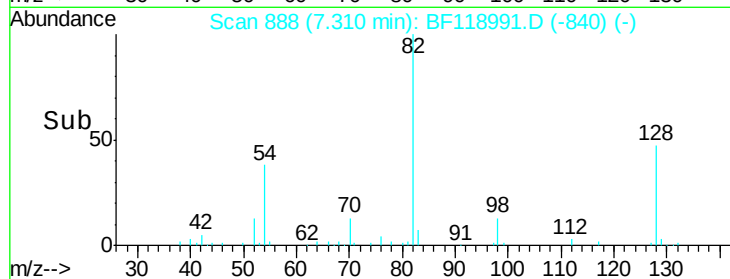
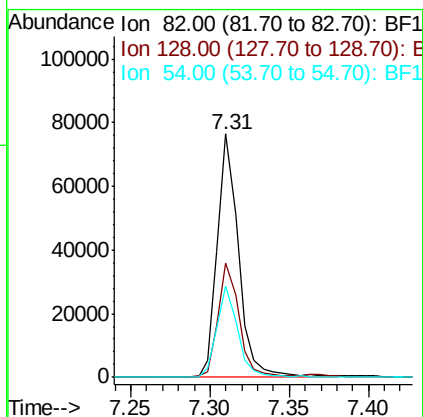
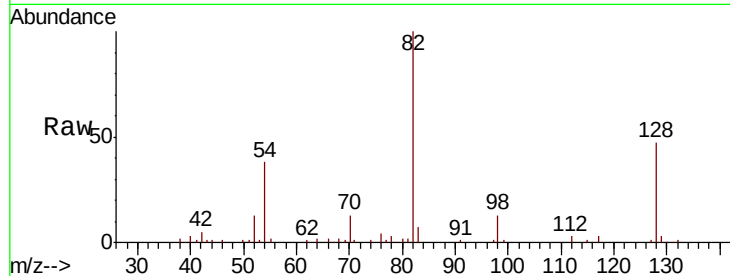




#23
 Nitrobenzene-d5
 Concen: 5.940 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

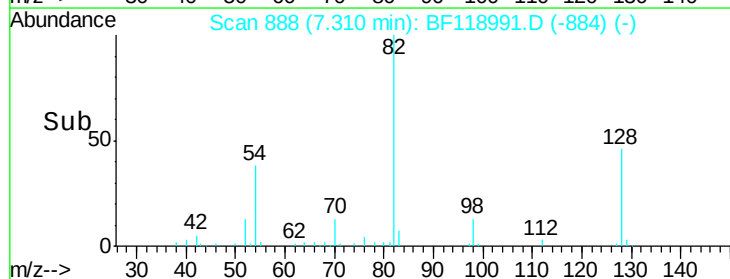
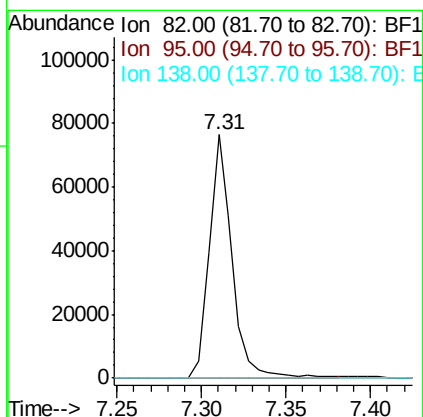
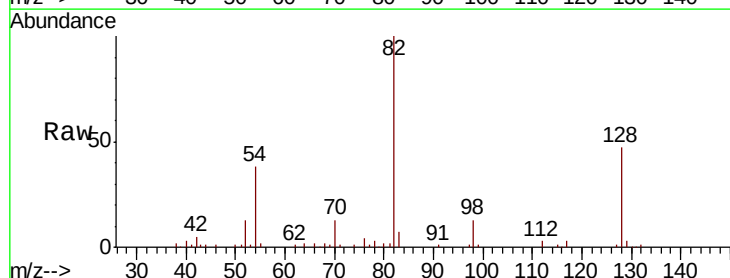
Instrument :
 BNA_F
 ClientSampleId :

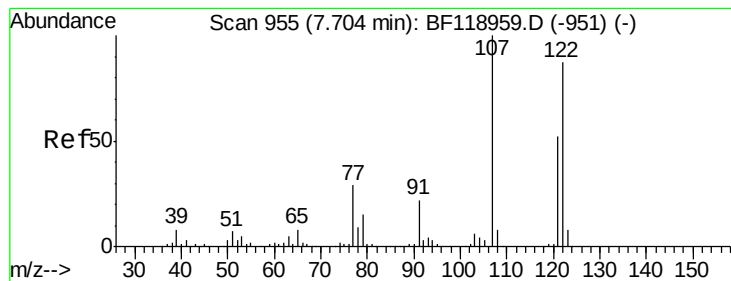
Tot Ion: 82 Resp: 71876
 Ion Ratio Lower Upper
 82 100
 128 46.9 38.2 57.2
 54 37.6 31.3 46.9



#25
 Isophorone
 Concen: 3.420 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Tgt Ion: 82 Resp: 71875
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.1 9.1#
 138 0.0 15.8 23.6#





#27

2,4-Dimethylphenol

Concen: 2.383 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Instrument :

BNA_F

ClientSampleId :

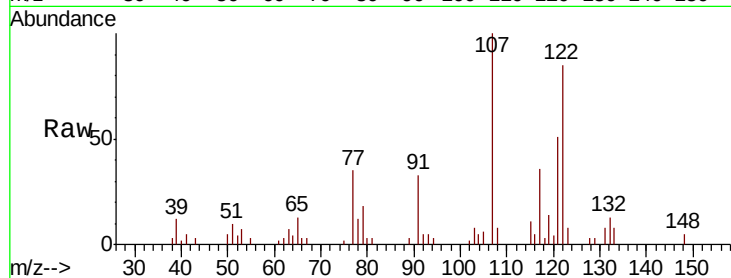
Tot Ion:122 Resp: 20503

Ion Ratio Lower Upper

122 100

107 118.0 91.8 137.8

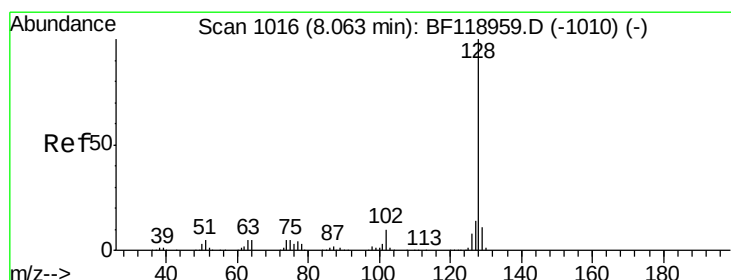
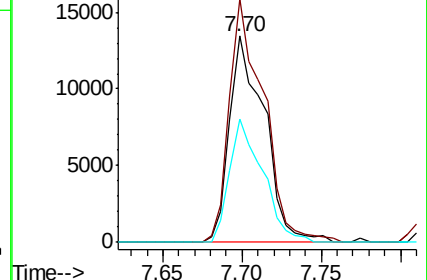
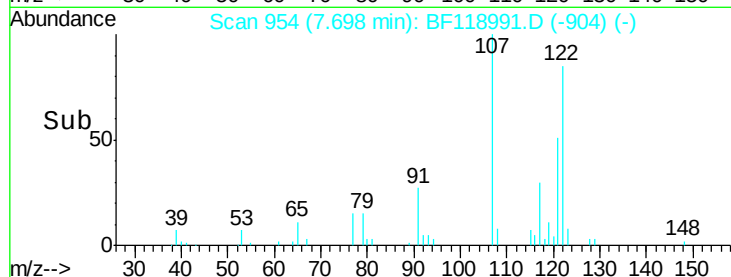
121 59.8 47.4 71.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 194.321 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

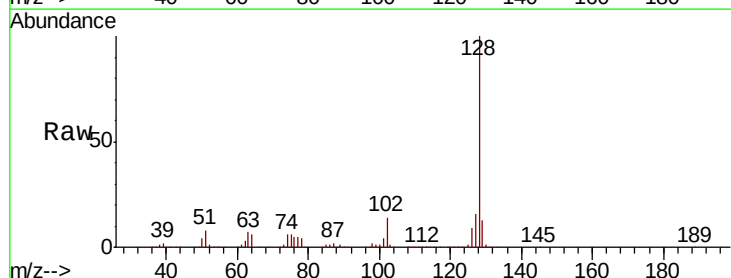
Tgt Ion:128 Resp: 6438199

Ion Ratio Lower Upper

128 100

129 13.2 9.0 13.4

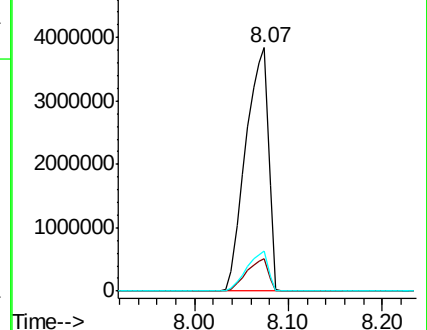
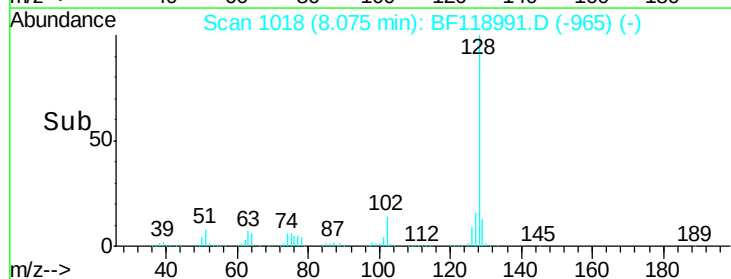
127 16.3 10.9 16.3

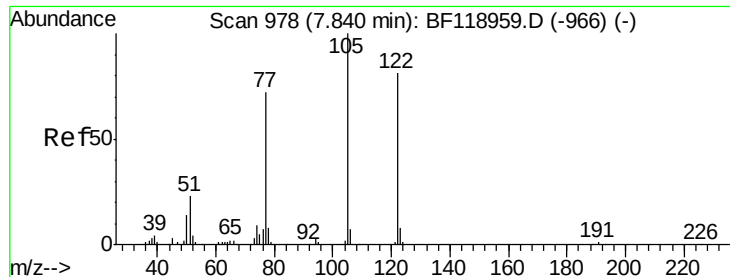


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

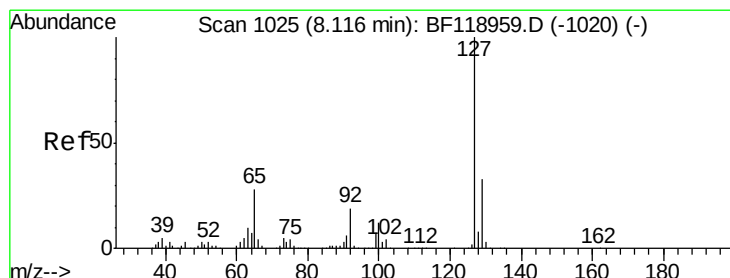
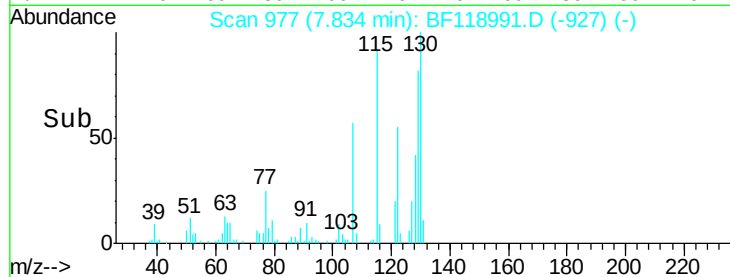
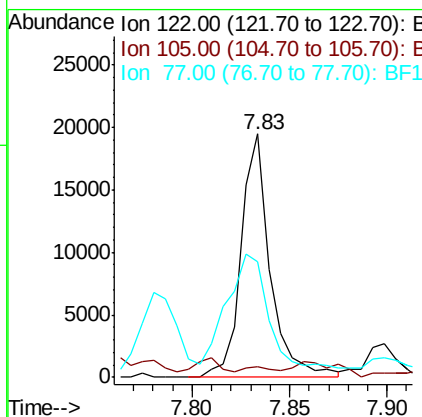
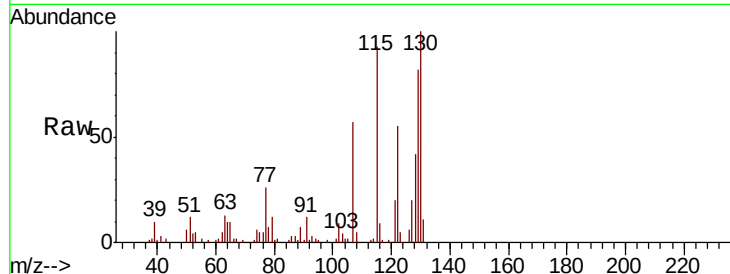




#32
Benzoic acid
Concen: 9.434 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

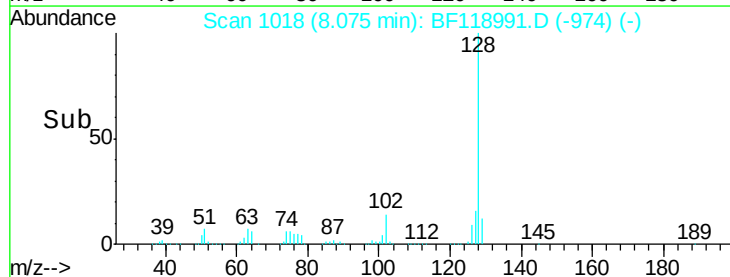
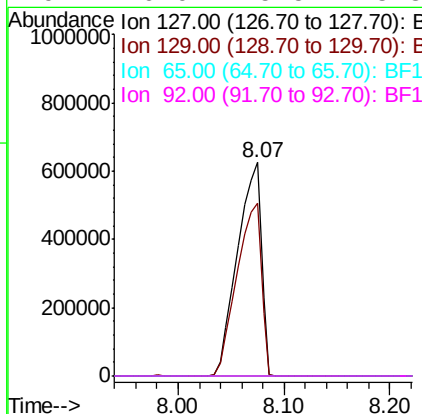
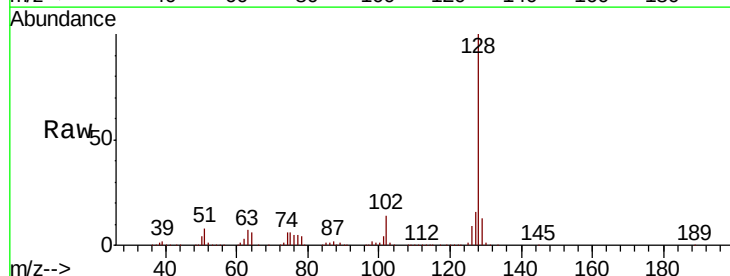
Instrument :
BNA_F
ClientSampleId :

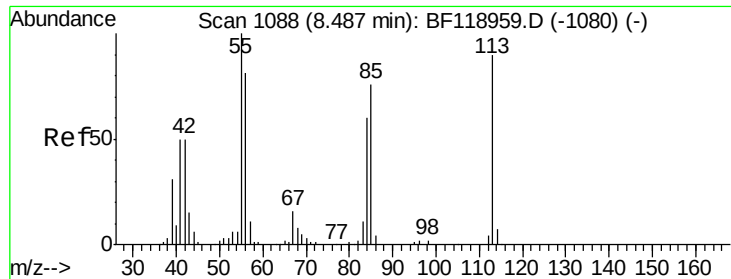
Tot Ion	Ratio	Lower	Upper
122	100		
105	4.1	102.2	142.2#
77	47.6	68.6	108.6#



#33
4-Chloroaniline
Concen: 68.771 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.04 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
127	100		
129	80.8	26.2	39.2#
65	0.0	22.0	33.0#
92	0.0	15.5	23.3#

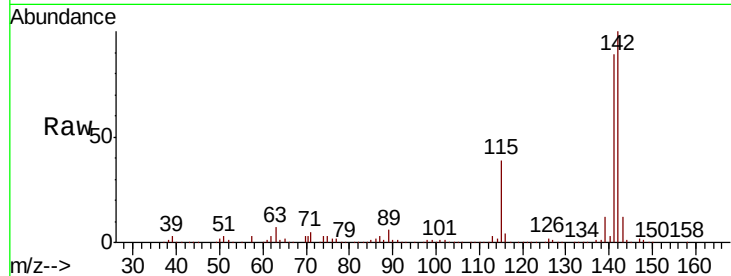




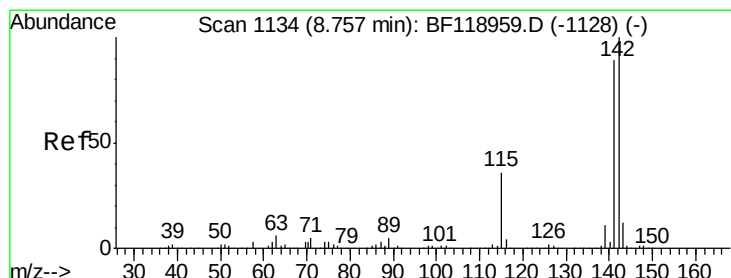
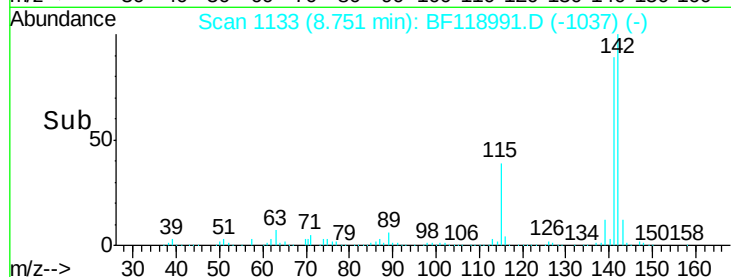
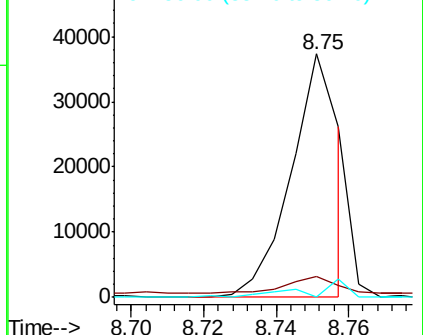
#35
 Caprolactam
 Concen: 11.043 ng
 RT: 8.75 min Scan# 1133
 Delta R.T. 0.26 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 34442
 Ion Ratio Lower Upper
 113 100
 55 8.5 90.8 130.8#
 56 0.0 70.0 110.0#

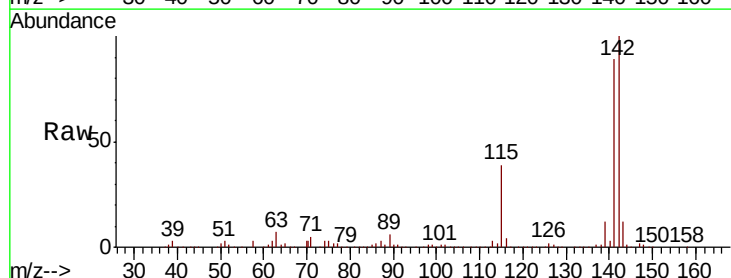


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

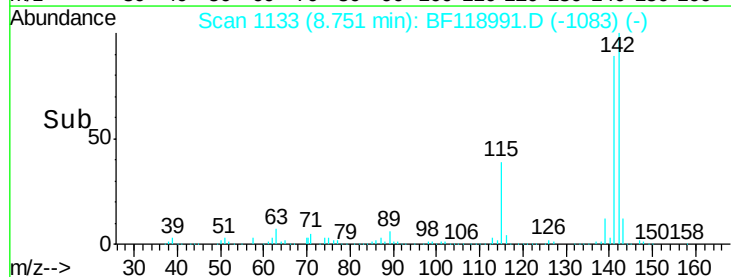
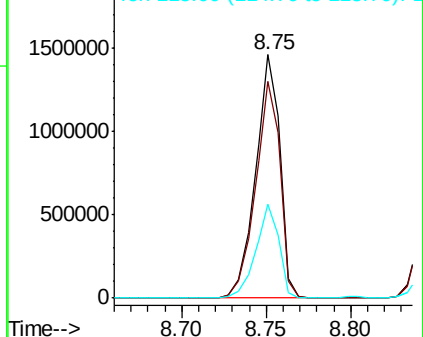


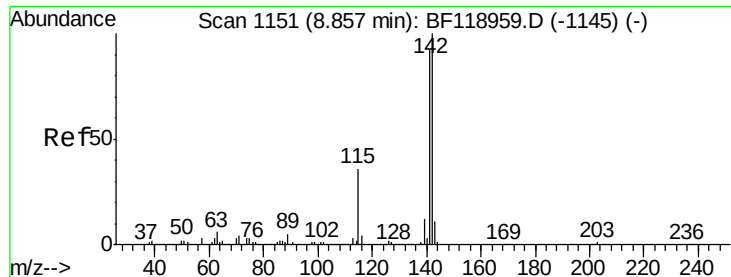
#37
 2-Methylnaphthalene
 Concen: 65.404 ng
 RT: 8.75 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Tgt Ion:142 Resp: 1458277
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.0 106.4
 115 38.7 28.6 42.8



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

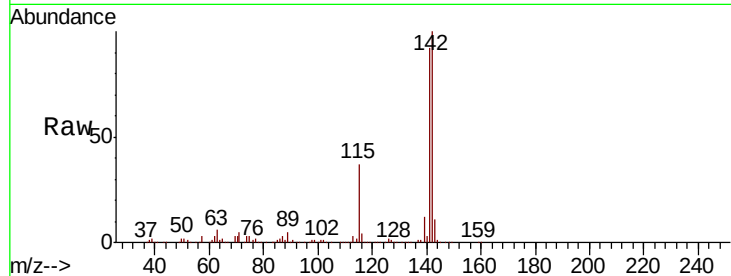




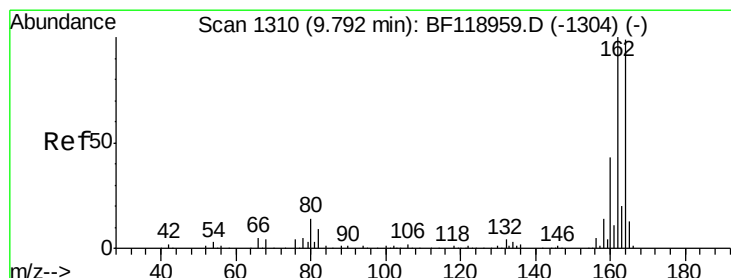
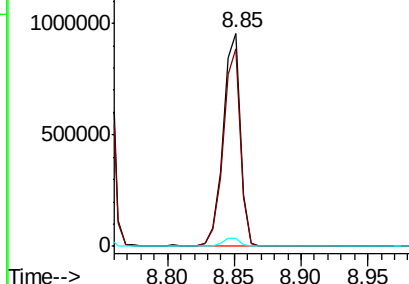
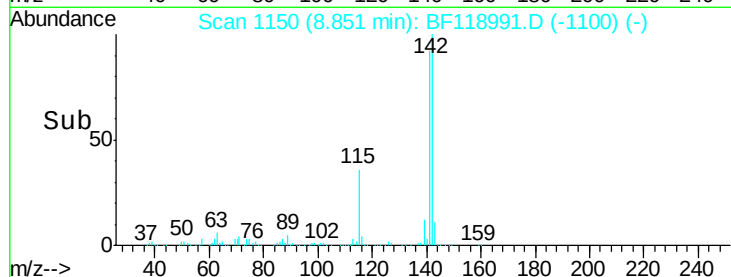
#38
1-Methylnaphthalene
Concen: 41.717 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.7	110.5
116	3.8	3.0	4.6

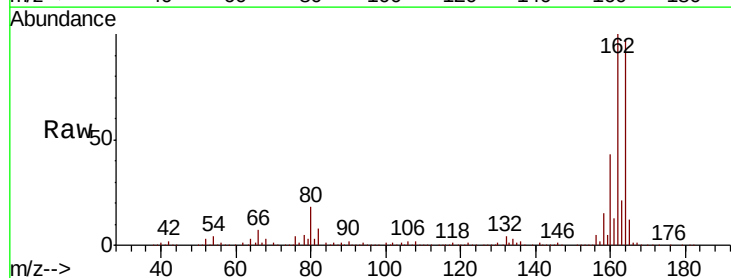


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

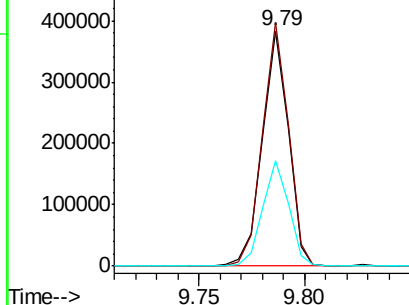
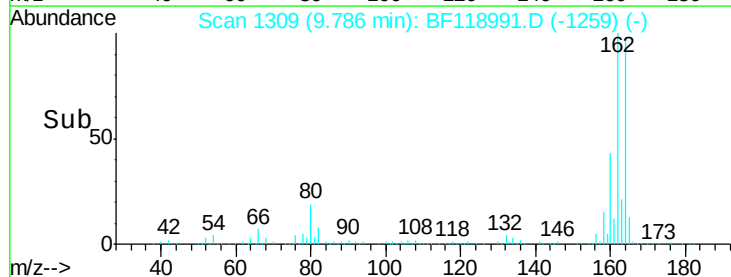


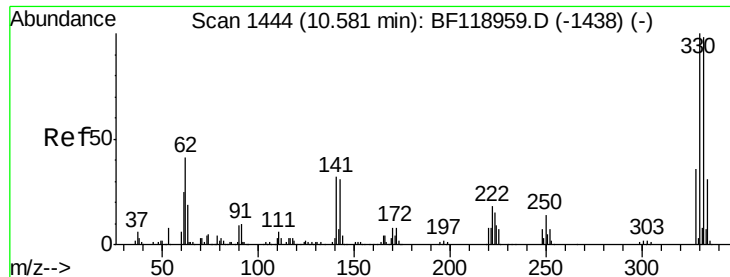
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.2	121.8
160	44.6	35.2	52.8



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

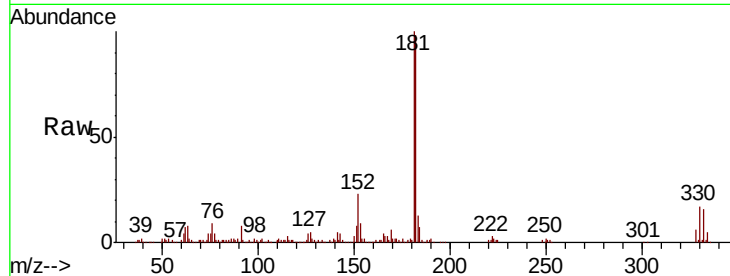




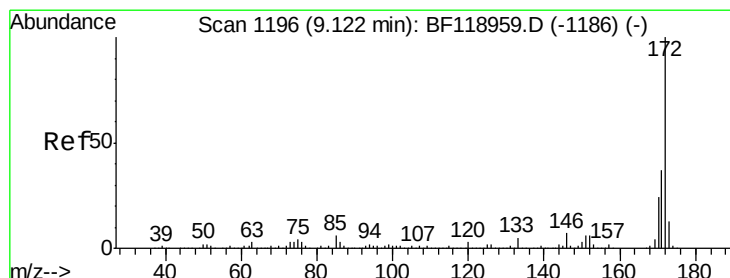
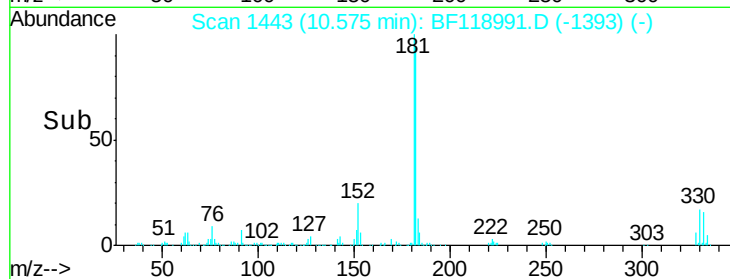
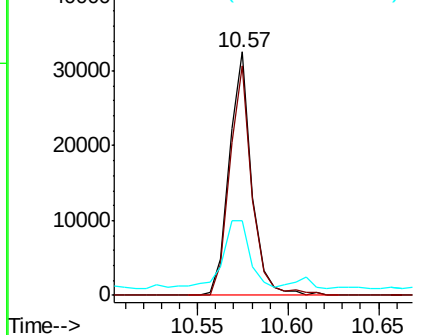
#42
 2,4,6-Tribromophenol
 Concen: 6.413 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.1	115.7
141	33.7	23.0	34.6

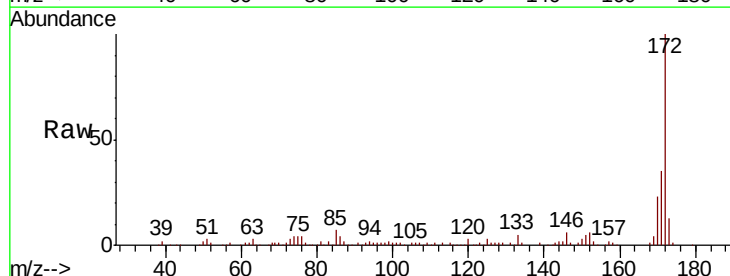


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

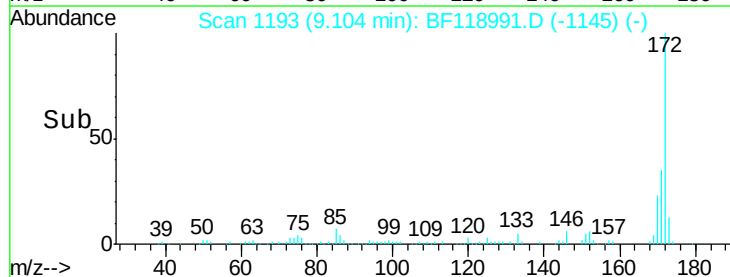
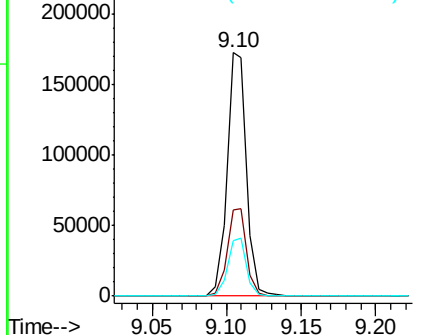


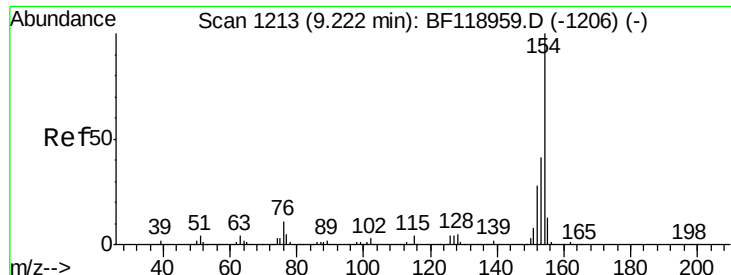
#45
 2-Fluorobiphenyl
 Concen: 7.066 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.02 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.2
170	22.9	19.6	29.4



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

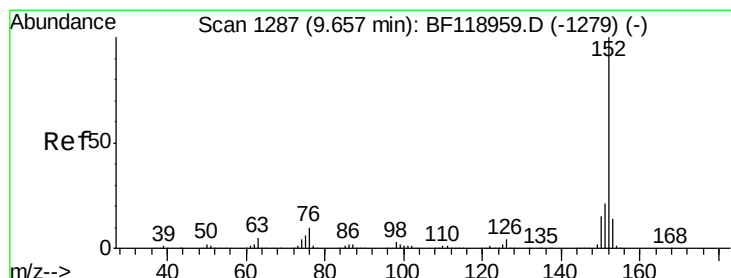
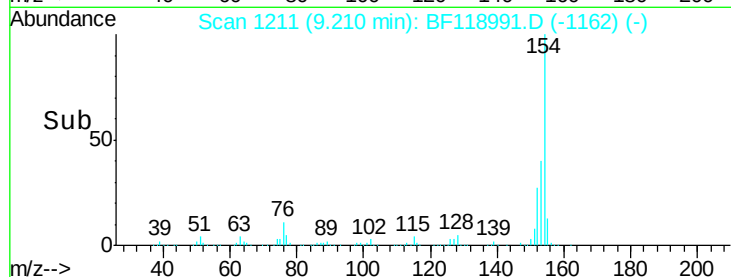
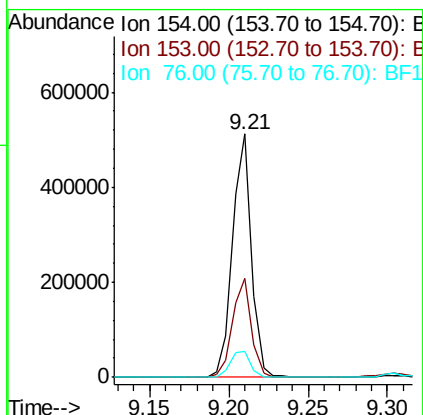
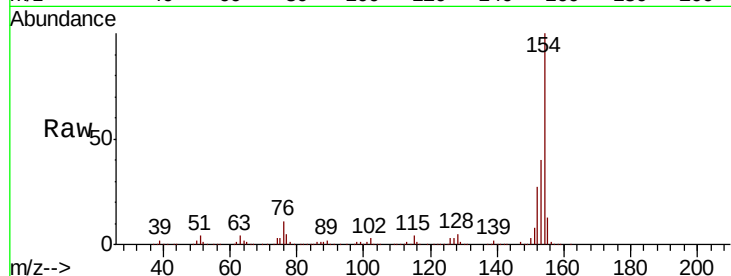




#46
 1,1'-Biphenyl
 Concen: 15.766 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

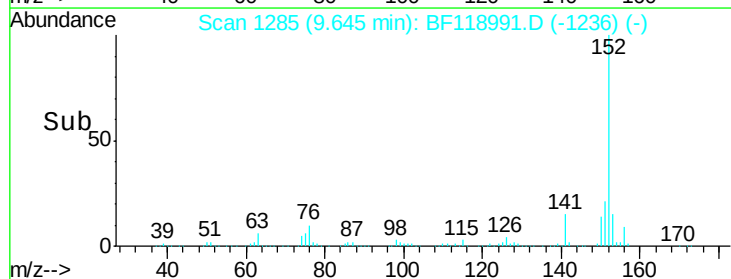
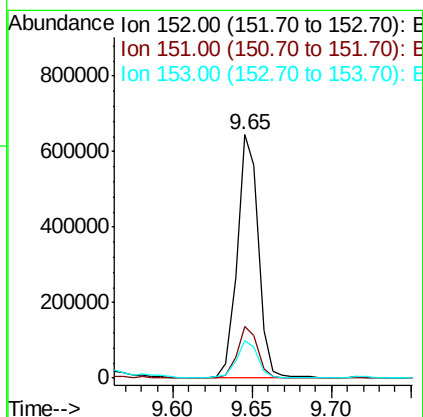
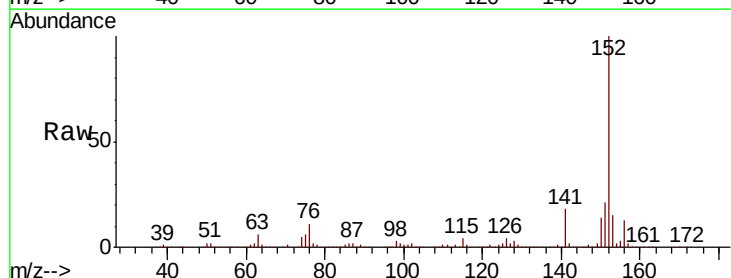
Instrument :
 BNA_F
 ClientSampleId :

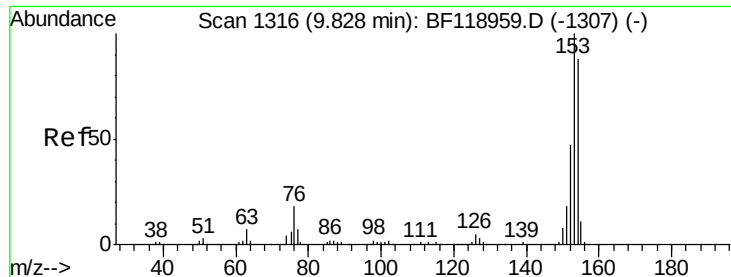
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.2	61.2
76	10.9	0.0	31.1



#49
 Acenaphthylene
 Concen: 19.018 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.7	25.1
153	15.2	10.9	16.3





#52

Acenaphthene

Concen: 40.351 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Instrument :

BNA_F

ClientSampleId :

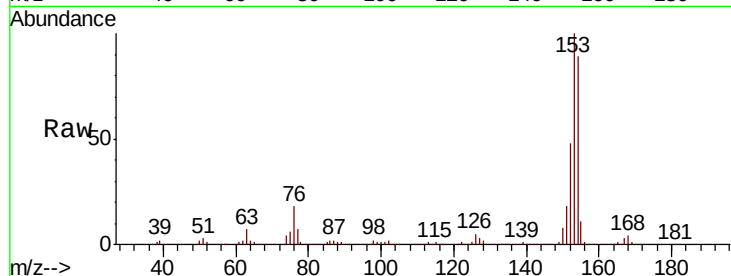
Tot Ion:154 Resp: 761332

Ion Ratio Lower Upper

154 100

153 112.8 90.4 135.6

152 54.1 42.9 64.3

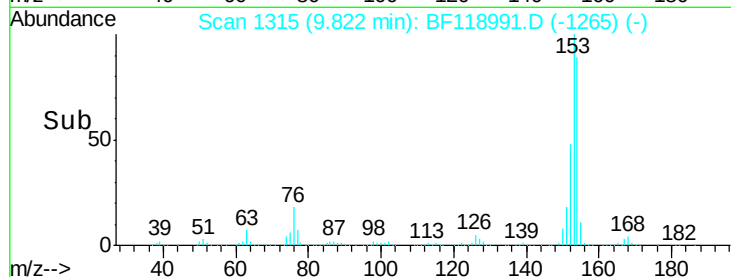


Abundance Ion 154.00 (153.70 to 154.70): E

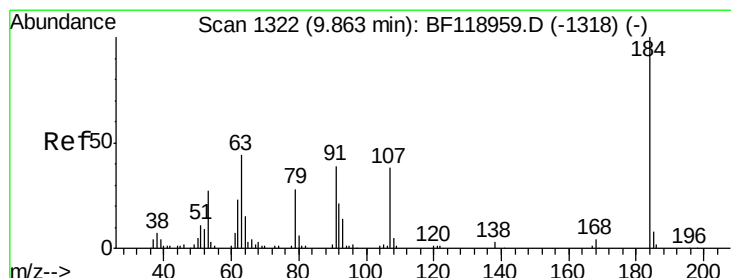
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



Time-->



#54

2,4-Dinitrophenol

Concen: 7.510 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.11 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

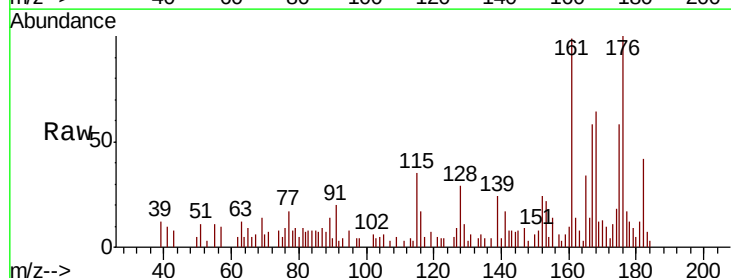
Tgt Ion:184 Resp: 106

Ion Ratio Lower Upper

184 100

63 387.0 37.8 56.6#

154 177.0 47.6 71.4#

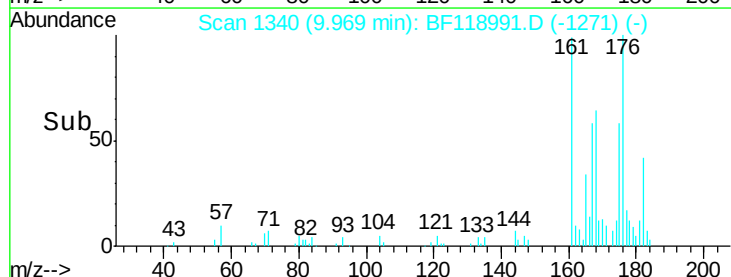


Abundance Ion 184.00 (183.70 to 184.70): E

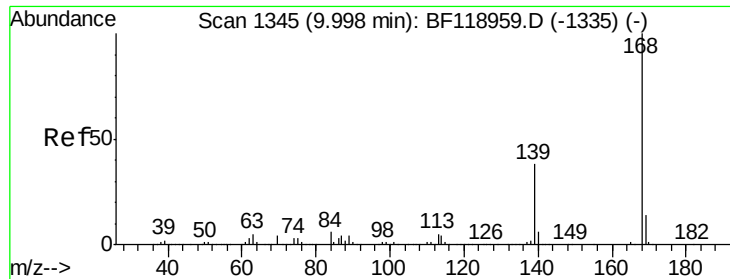
Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

Time-->



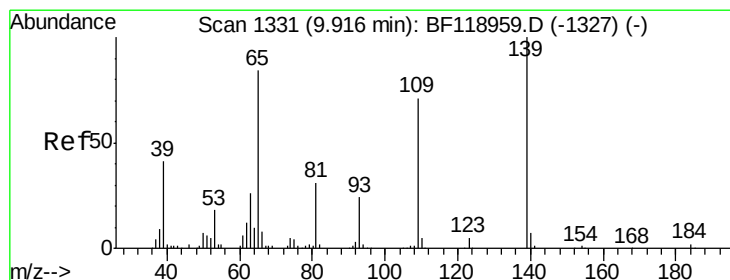
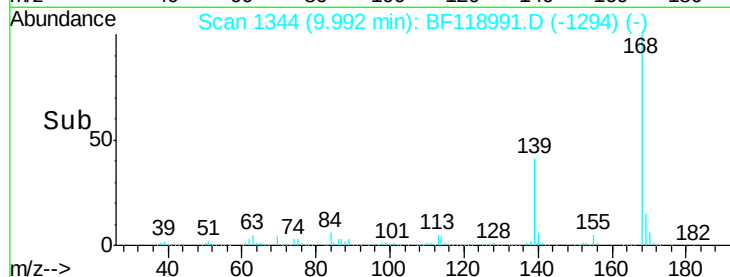
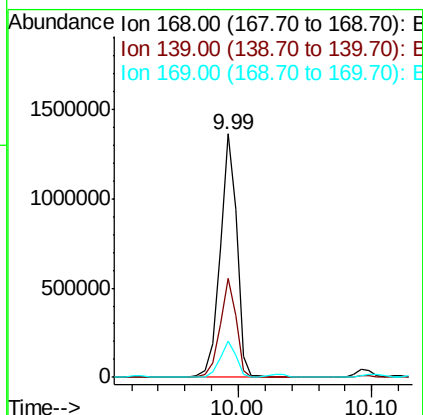
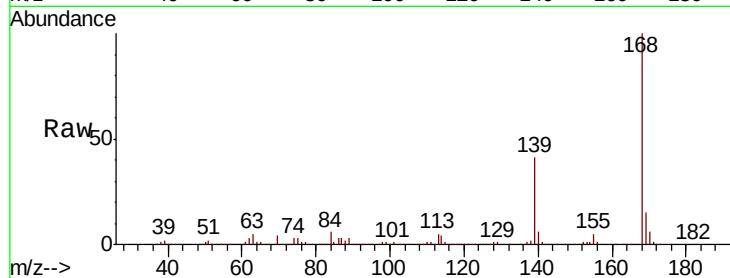
Time-->



#55
Dibenzofuran
Concen: 42.626 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

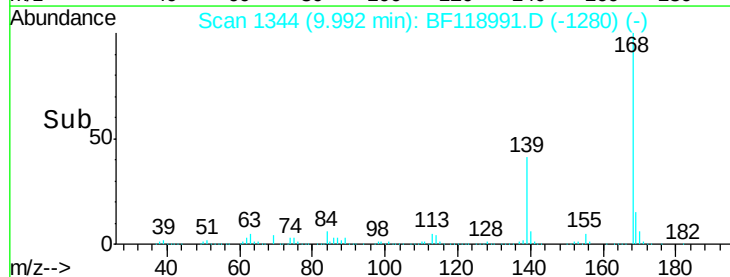
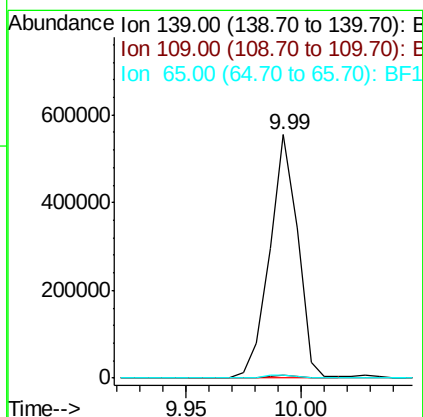
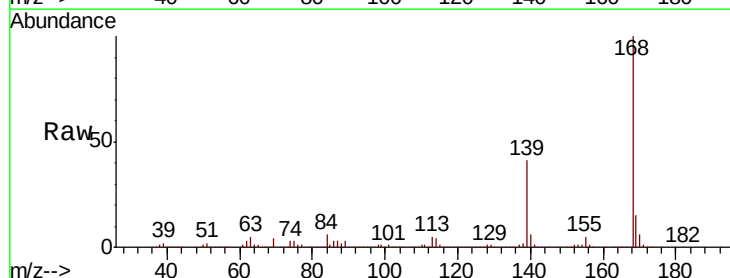
Instrument :
BNA_F
ClientSampleId :

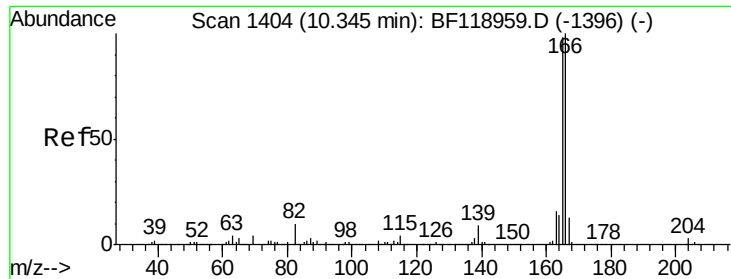
Tot Ion:168 Resp: 1200430
Ion Ratio Lower Upper
168 100
139 40.7 31.7 47.5
169 14.7 11.0 16.4



#56
4-Nitrophenol
Concen: 124.286 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.08 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Tgt Ion:139 Resp: 467837
Ion Ratio Lower Upper
139 100
109 1.0 51.1 91.1#
65 1.4 64.7 104.7#

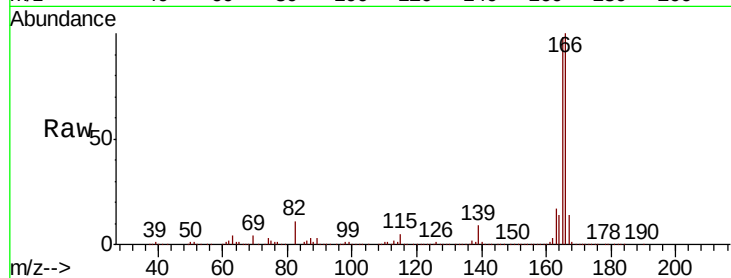




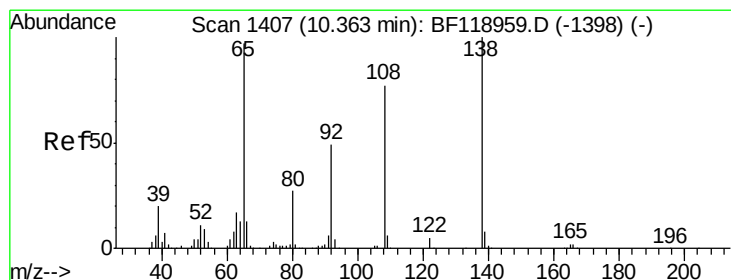
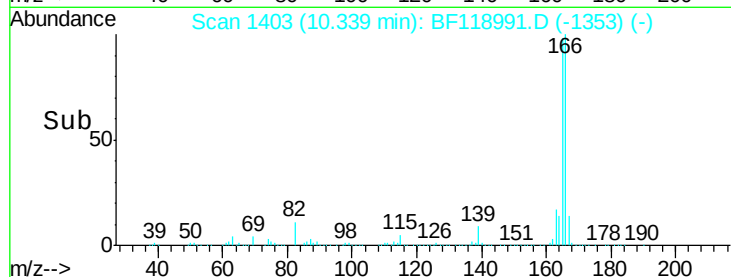
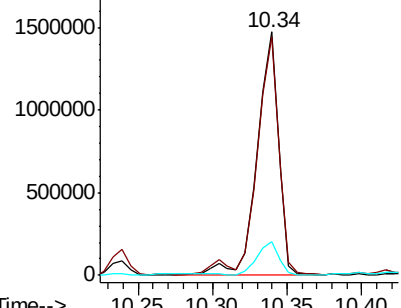
#58
 Fluorene
 Concen: 66.797 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 1461744
 Ion Ratio Lower Upper
 166 100
 165 97.7 78.2 117.4
 167 14.0 10.6 16.0

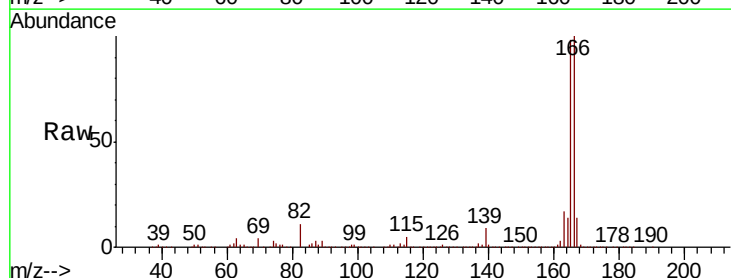


Abundance Ion 166.00 (165.70 to 166.70): E
 2000000 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

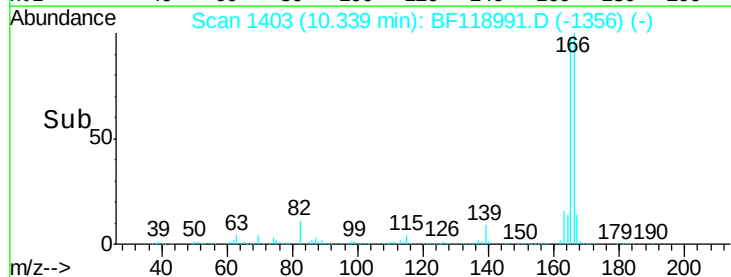
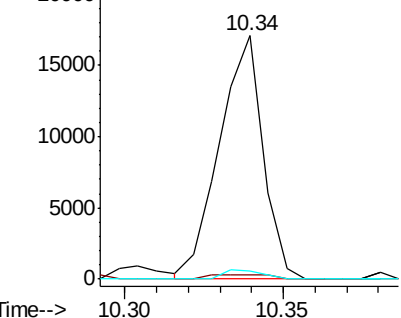


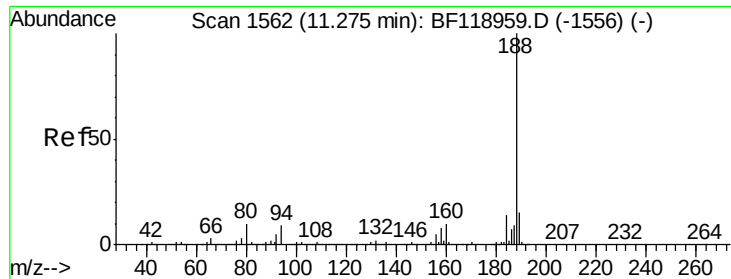
#62
 4-Nitroaniline
 Concen: 2.534 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.02 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Tgt Ion:138 Resp: 16240
 Ion Ratio Lower Upper
 138 100
 92 2.0 28.7 68.7#
 108 3.5 56.8 96.8#



Abundance Ion 138.00 (137.70 to 138.70): E
 20000 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E

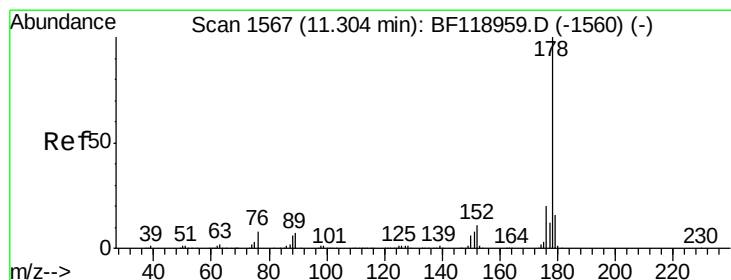
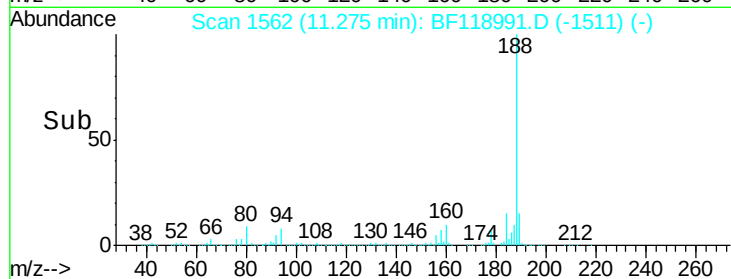
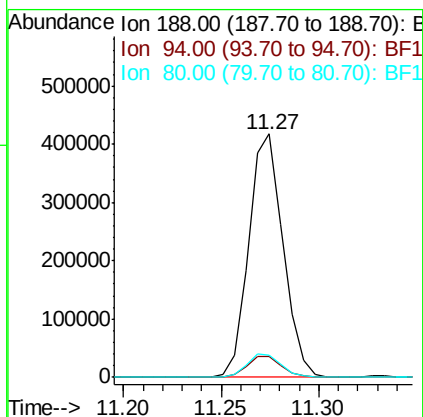
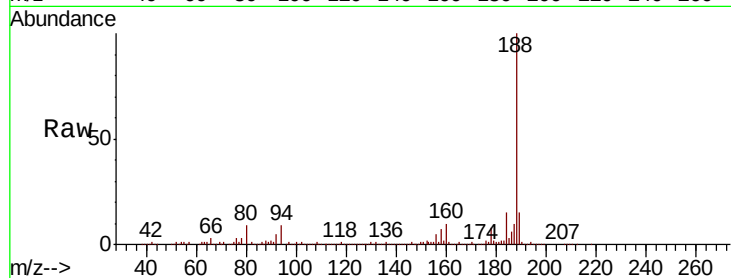




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

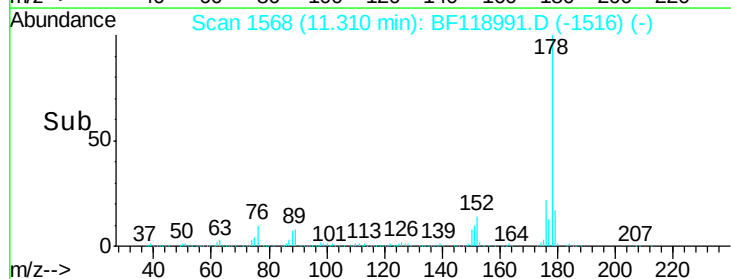
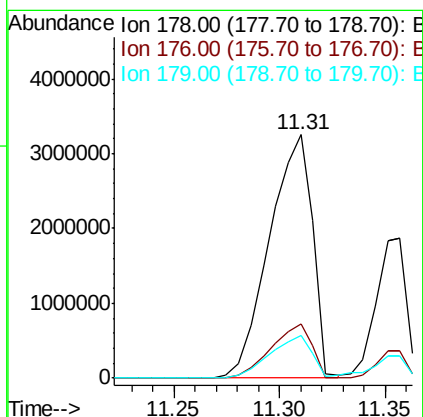
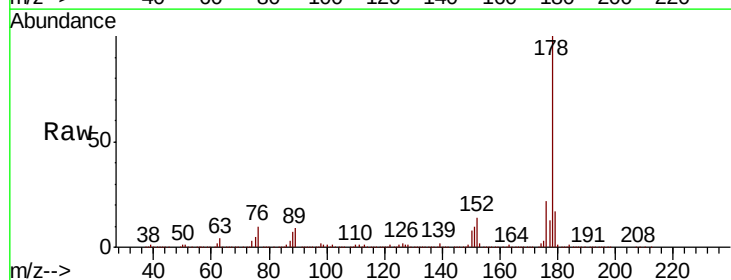
Instrument :
BNA_F
ClientSampled :

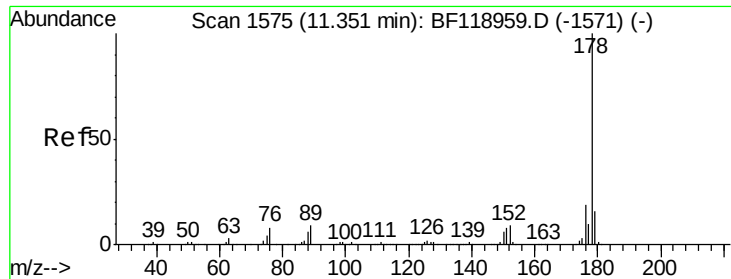
Tot Ion:188 Resp: 506369
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.6
80 8.9 7.9 11.9



#71
Phenanthrene
Concen: 166.836 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Tgt Ion:178 Resp: 4607146
Ion Ratio Lower Upper
178 100
176 22.2 15.6 23.4
179 17.4 12.6 18.8

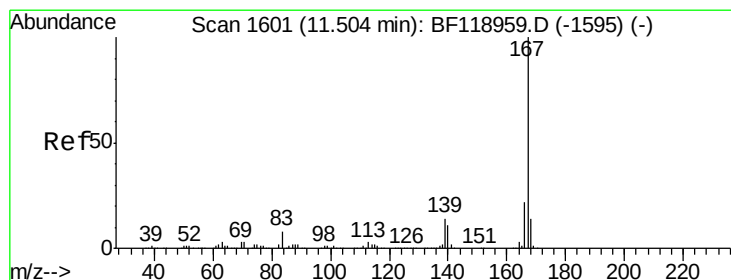
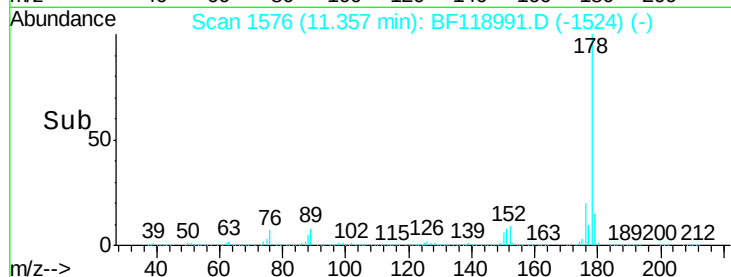
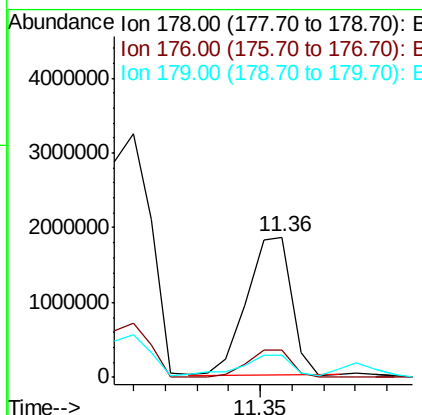
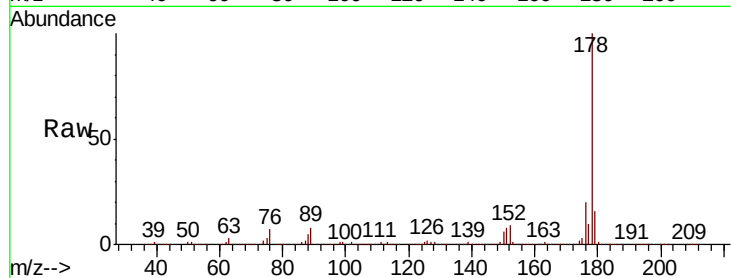




#72
 Anthracene
 Concen: 65.677 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

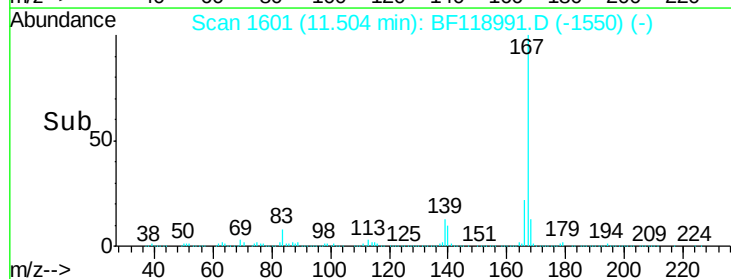
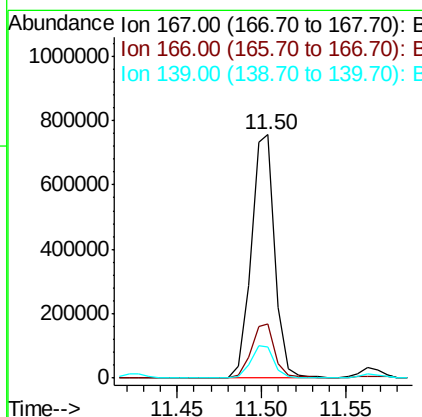
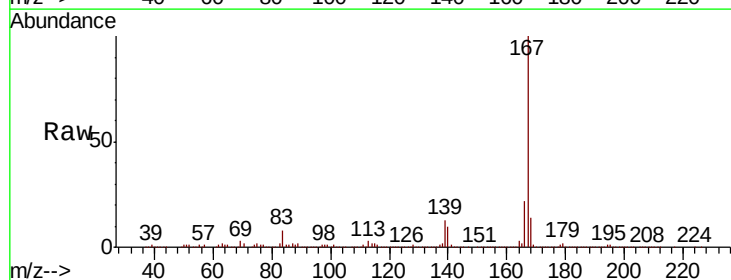
Instrument :
 BNA_F
 ClientSampleId :

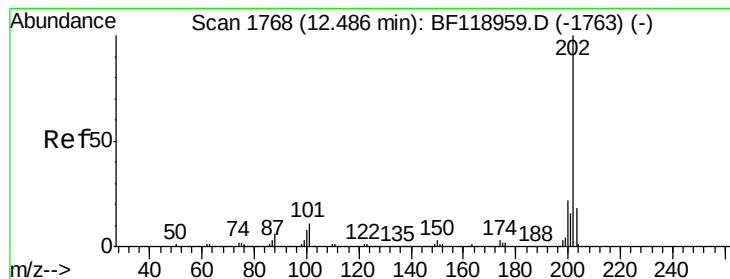
Tot Ion:178 Resp: 1812150
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.6 12.8 19.2



#73
 Carbazole
 Concen: 29.843 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Tgt Ion:167 Resp: 733562
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.6
 139 12.8 11.2 16.8





#75

Fluoranthene

Concen: 111.086 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

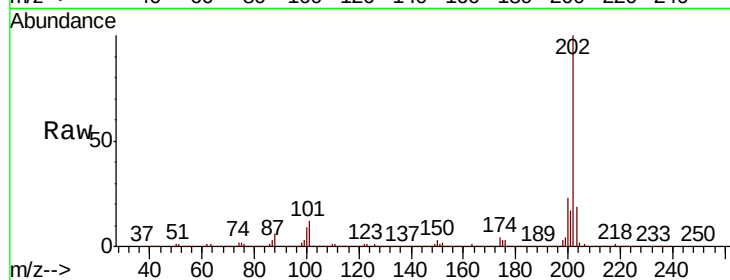
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 3256187

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.1
203	19.1	0.0	38.1

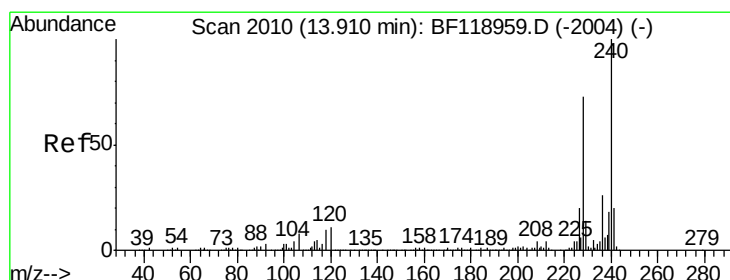
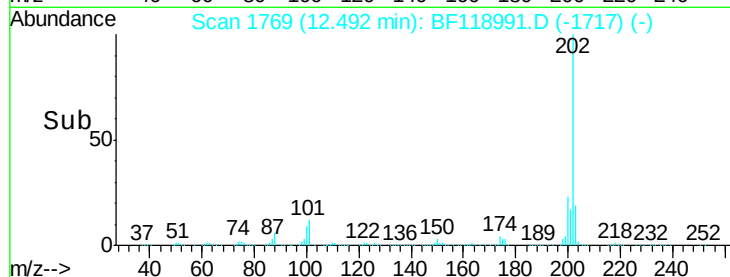
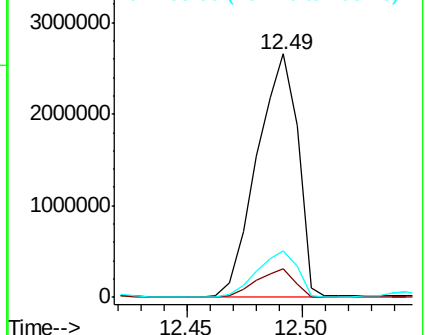


Abundance

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: 13.91 min Scan# 2010

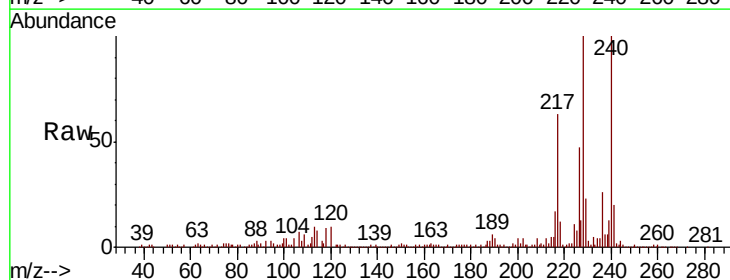
Delta R.T. -0.00 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Tgt Ion:240 Resp: 345023

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	26.2	20.6	30.8

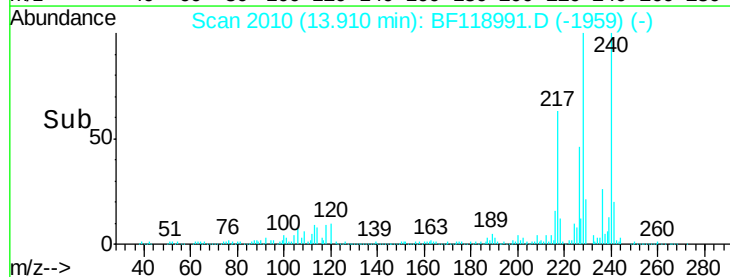
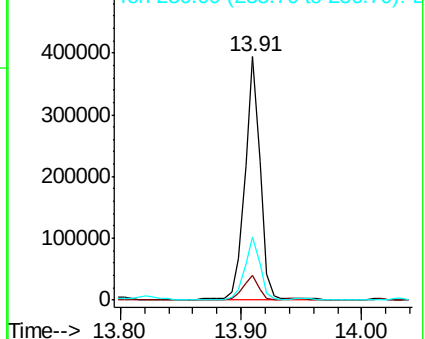


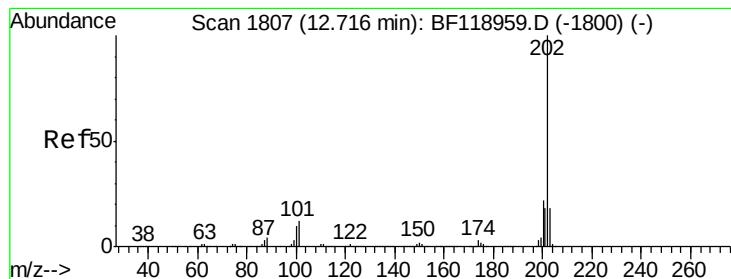
Abundance

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: 101.359 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Instrument :

BNA_F

ClientSampleId :

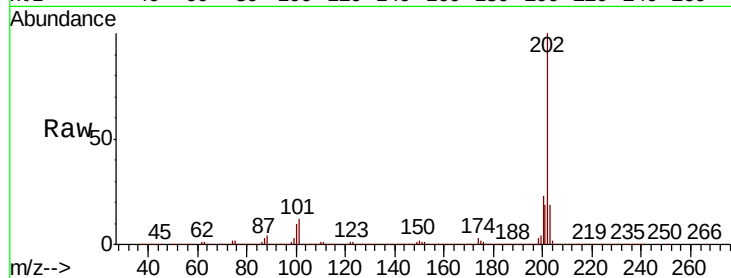
Tot Ion:202 Resp: 2808144

Ion Ratio Lower Upper

202 100

200 23.0 17.4 26.0

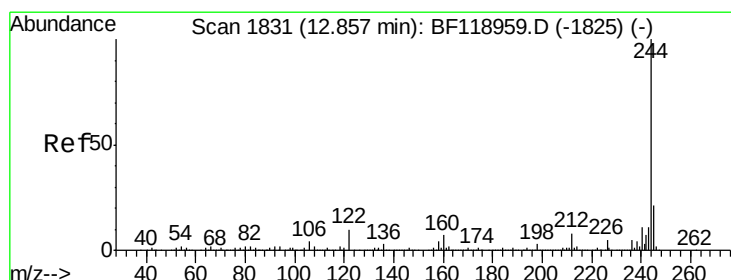
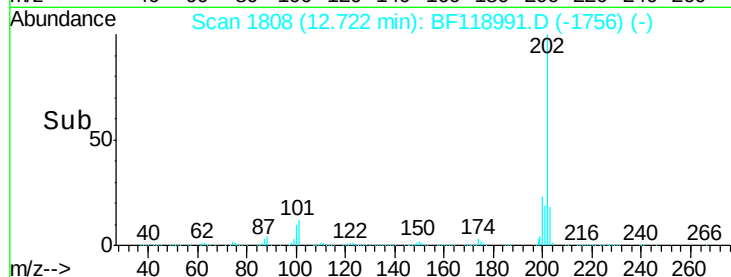
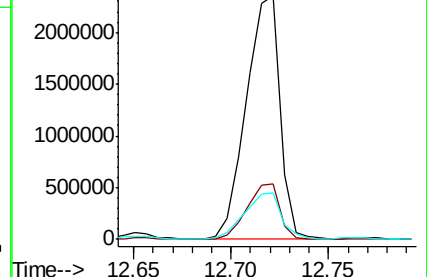
203 19.3 14.5 21.7



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: 6.757 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

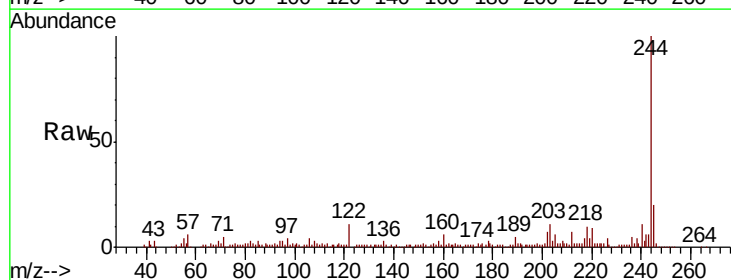
Tgt Ion:244 Resp: 135420

Ion Ratio Lower Upper

244 100

212 6.7 6.3 9.5

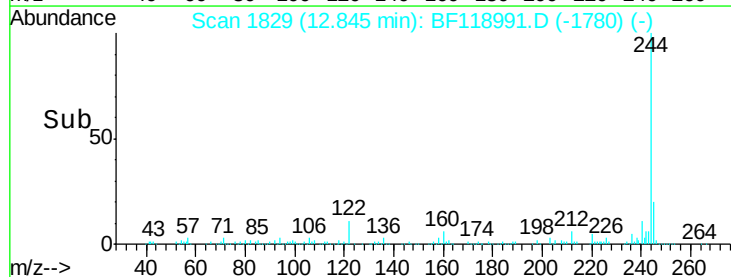
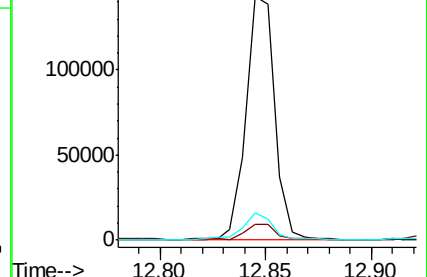
122 11.0 8.4 12.6

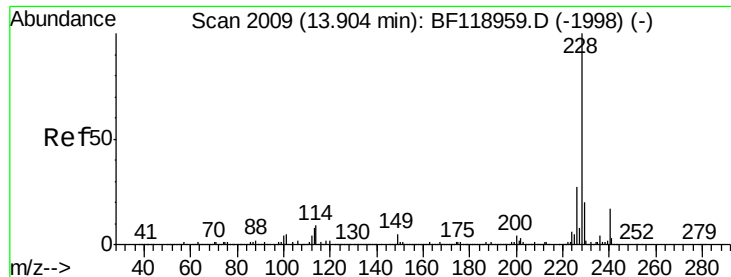


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 55.661 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.04 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

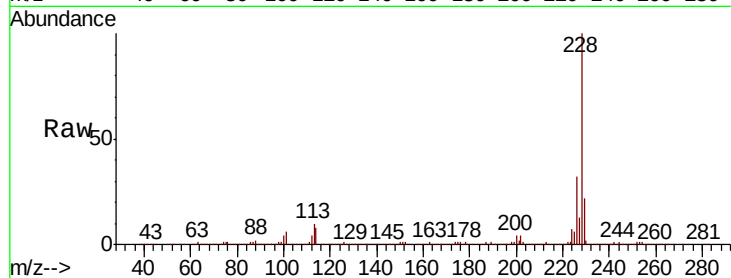
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1308517

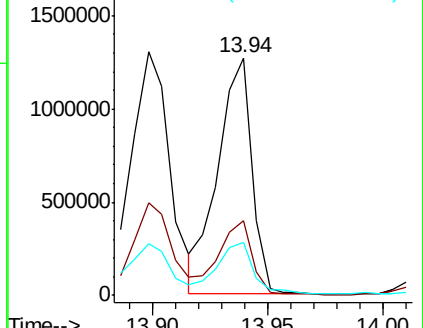
Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.8	32.8
229	22.2	16.0	24.0



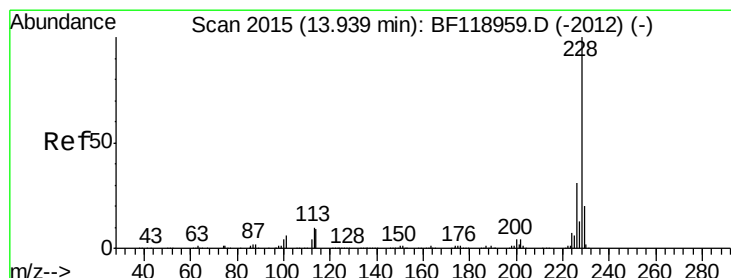
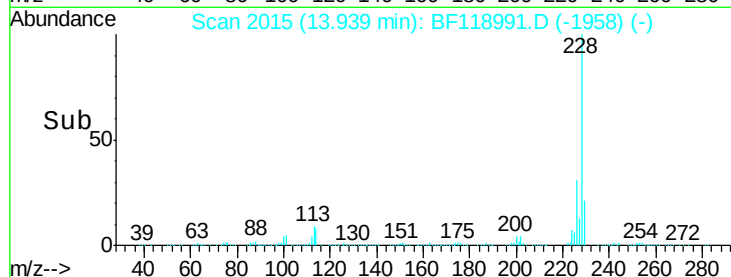
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Chrysene

Concen: 55.861 ng

RT: 13.94 min Scan# 2015

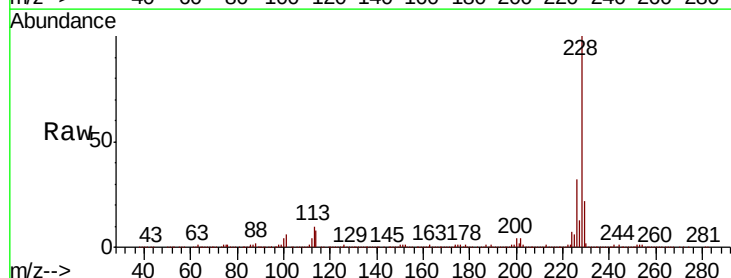
Delta R.T. -0.00 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Tgt Ion:228 Resp: 1308517

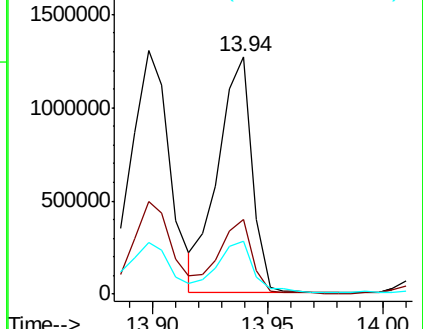
Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.6	37.0
229	22.2	16.2	24.2



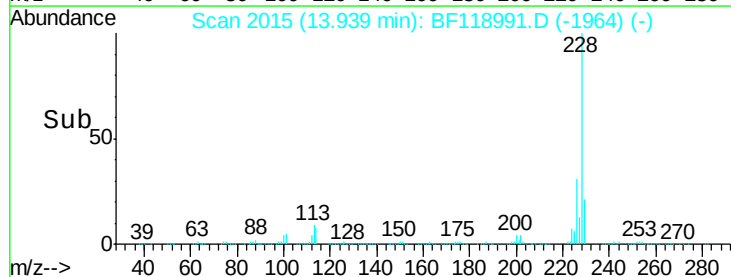
Abundance Ion 228.00 (227.70 to 228.70): E

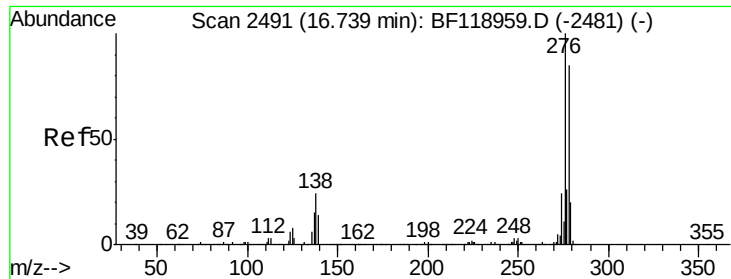
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

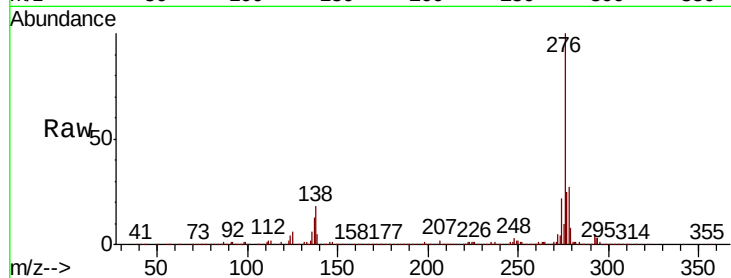




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 38.852 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.4	18.7	28.1#
277	24.1	20.3	30.5

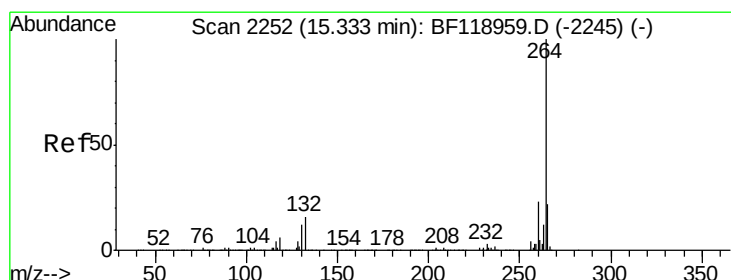
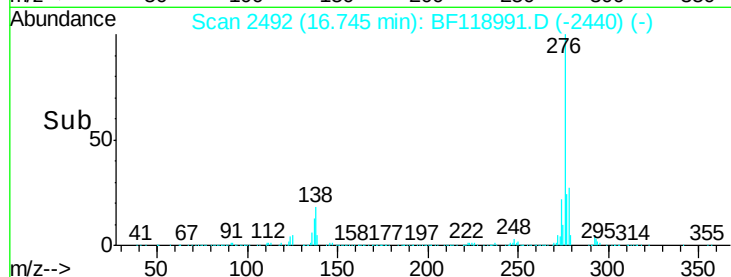
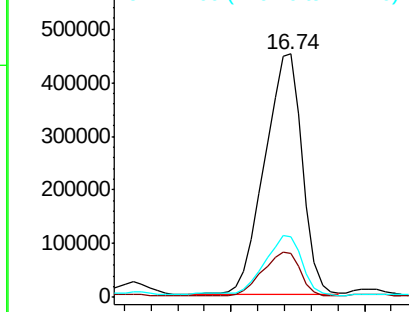


Abundance

Ion 276.00 (275.70 to 276.70): E

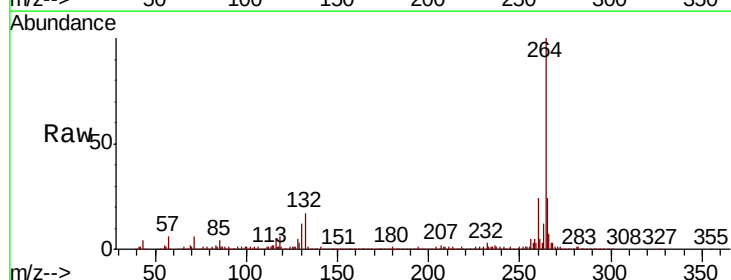
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: BF118991.D
 Acq: 21 Feb 2020 14:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	24.4	17.3	25.9

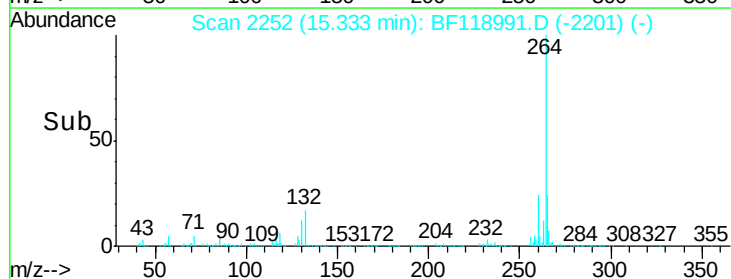
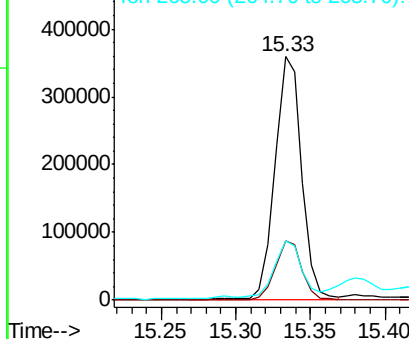


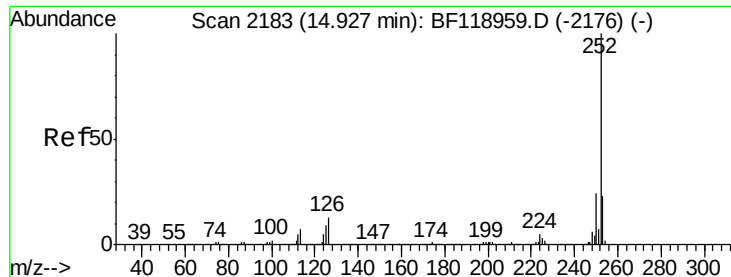
Abundance

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: 73.265 ng

RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Instrument :

BNA_F

ClientSampled :

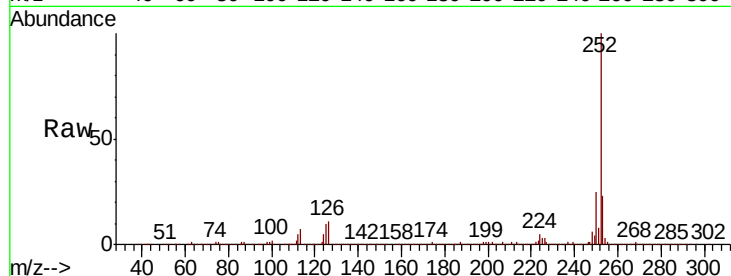
Tot Ion:252 Resp: 2177151

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

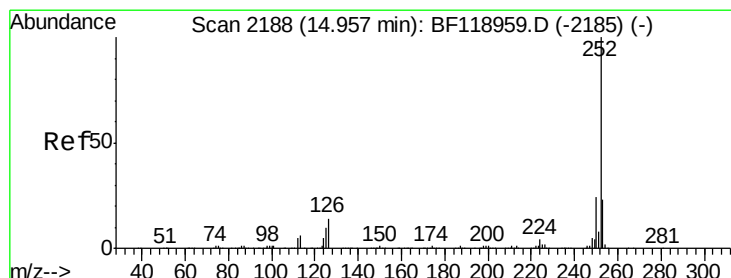
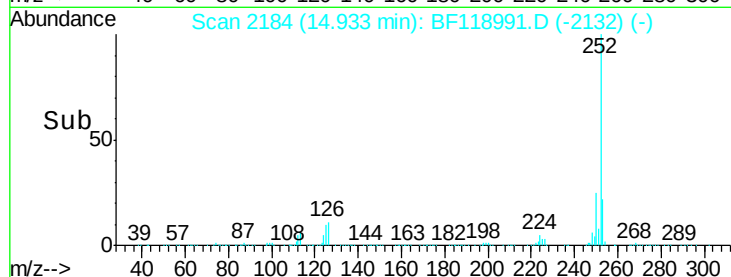
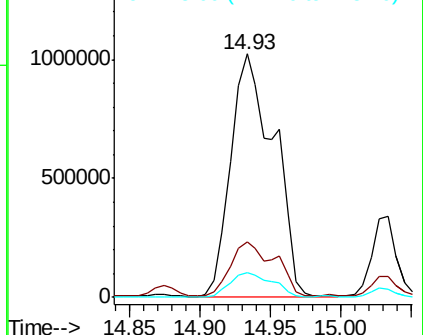
125 10.2 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 79.058 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

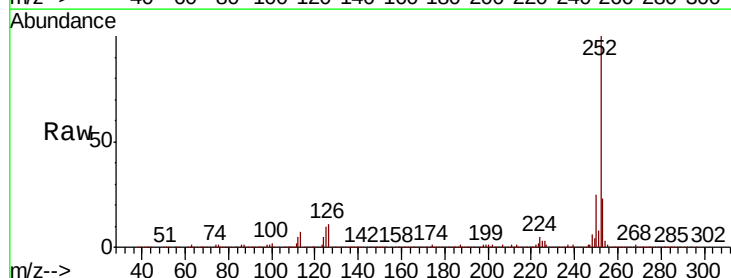
Tgt Ion:252 Resp: 2177151

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

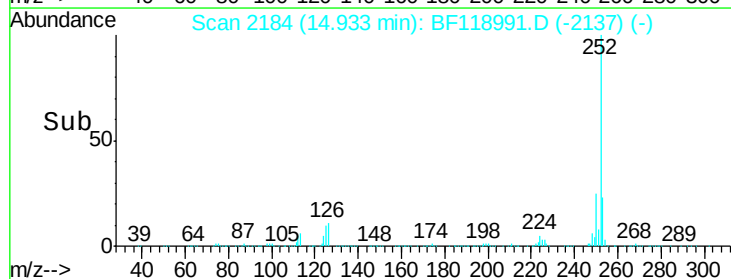
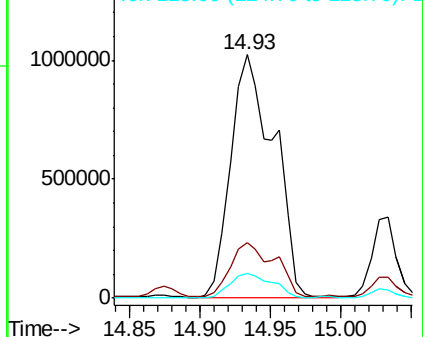
125 10.2 7.3 10.9

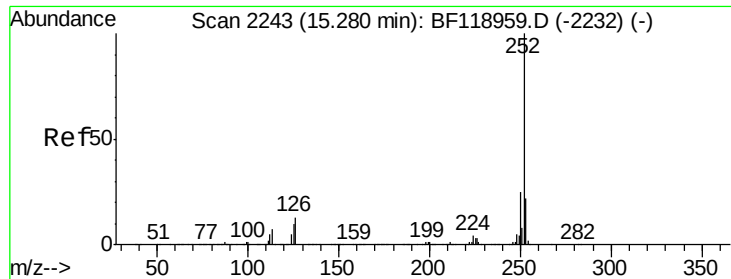


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

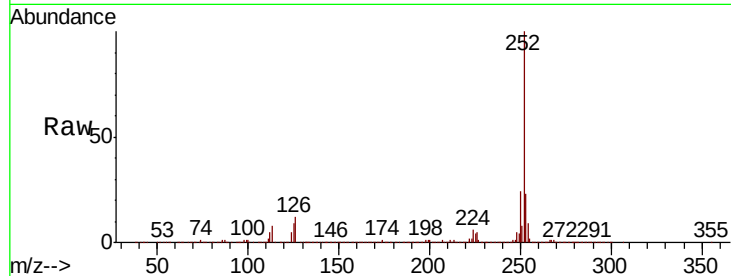




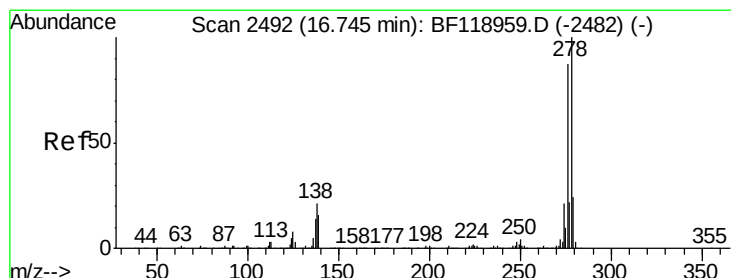
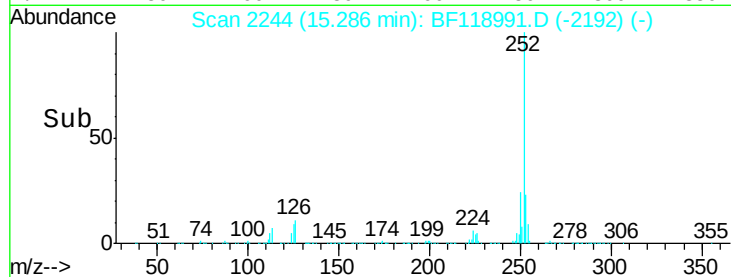
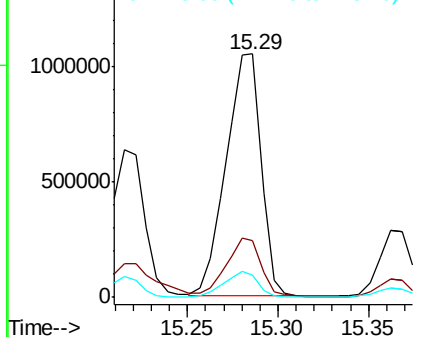
#90
Benzo(a)pyrene
Concen: 52.702 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 1413441
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 9.1 7.8 11.6

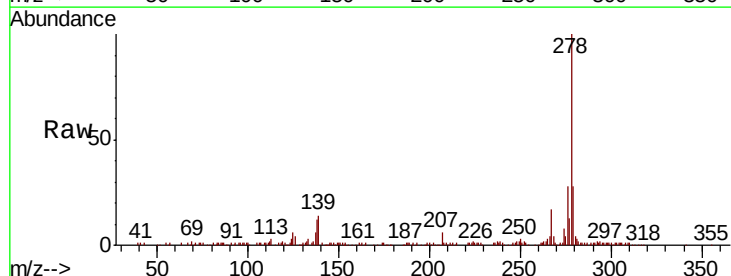


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

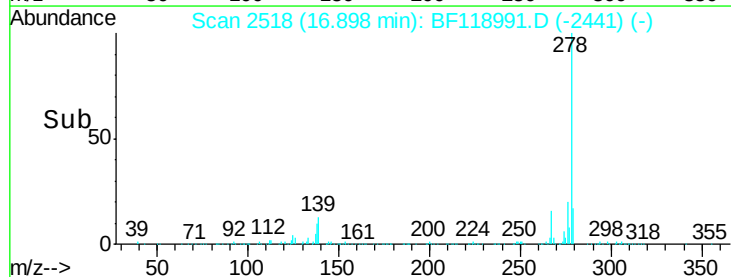
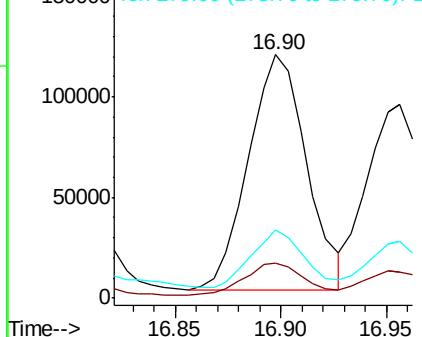


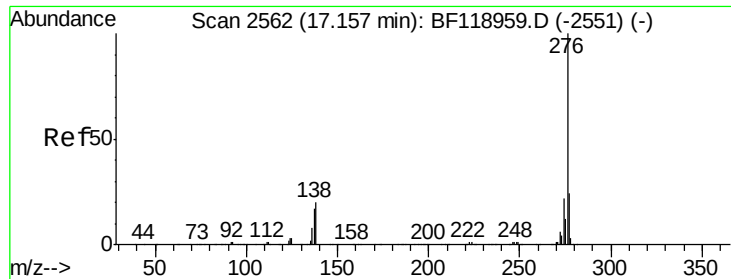
#91
Dibenzo(a,h)anthracene
Concen: 9.472 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.15 min
Lab File: BF118991.D
Acq: 21 Feb 2020 14:25

Tgt Ion:278 Resp: 223517
Ion Ratio Lower Upper
278 100
139 14.4 12.6 18.8
279 28.2 19.0 28.6



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(a,h,i)perylene

Concen: 36.292 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BF118991.D

Acq: 21 Feb 2020 14:25

Instrument :

BNA_F

ClientSampleId :

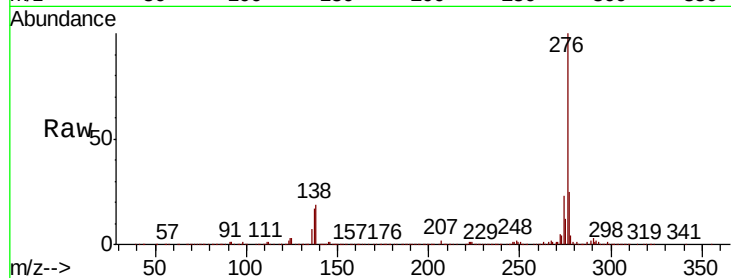
Tot Ion:276 Resp: 846191

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 19.1 16.2 24.4



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

