

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF118994.D
 Acq On : 21 Feb 2020 15:52
 Operator : CG/JU
 Sample : L1552-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 17:08:32 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	6.76	152	155952	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	535423	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	242799	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	378496	20.00	ng	0.00
76) Chrysene-d12	13.91	240	355220	20.00	ng	0.00
87) Perylene-d12	15.34	264	331831	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	199502	21.38	ng	0.00
7) Phenol-d6	6.39	99	533653	47.02	ng	-0.01
23) Nitrobenzene-d5	7.32	82	398038	39.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	4102	1.29	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	754971	45.81	ng	-0.01
79) Terphenyl-d14	12.85	244	730821	35.42	ng	0.00

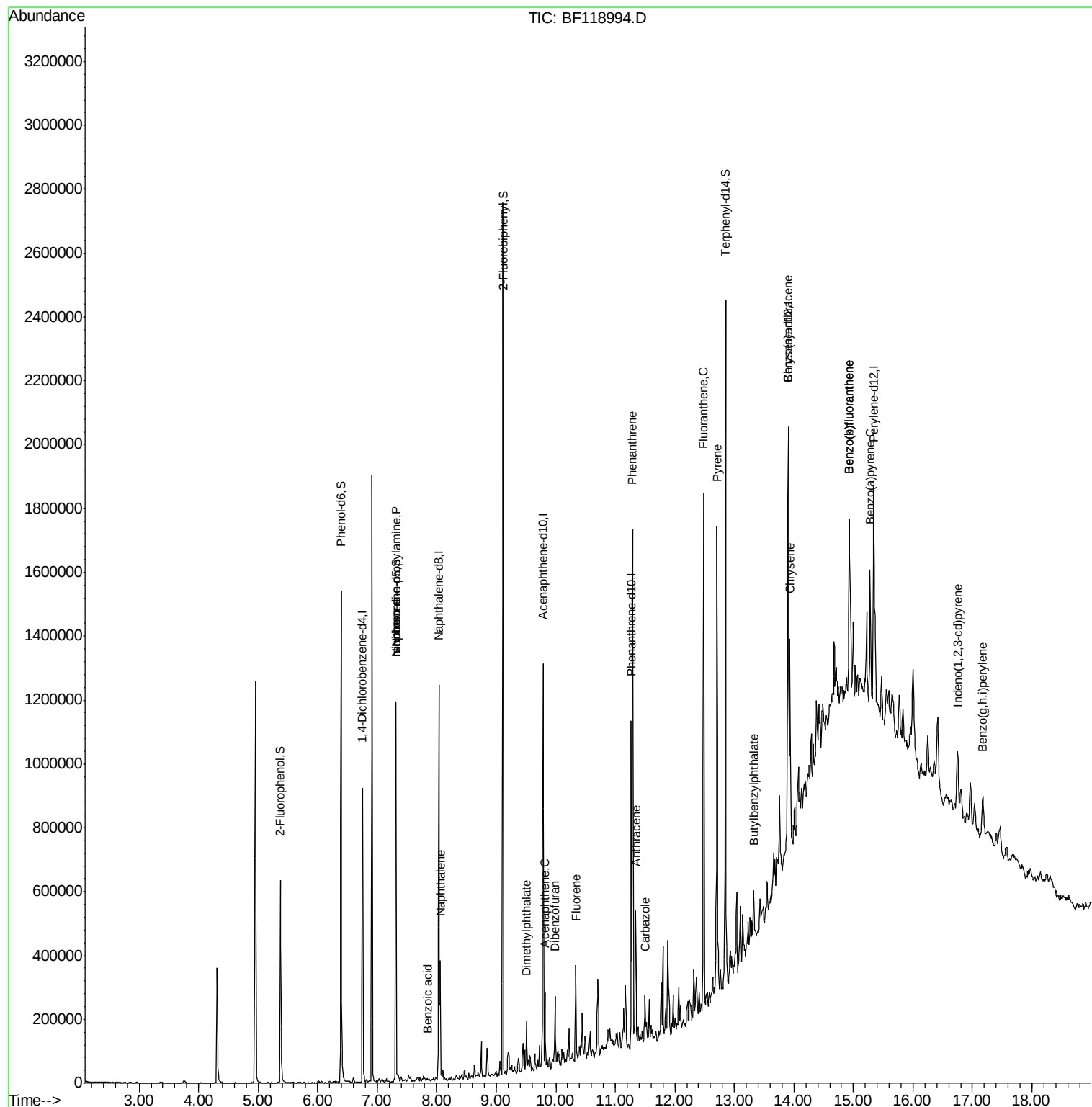
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.32	70	56109	8.484	ng	# 75
25) Isophorone	7.32	82	395944	22.483	ng	# 63
31) Naphthalene	8.06	128	144894	5.218	ng	99
32) Benzoic acid	7.83	122	223	6.717	ng	# 1
50) Dimethylphthalate	9.50	163	50956	2.745	ng	98
52) Acenaphthene	9.82	154	48432	3.517	ng	99
55) Dibenzofuran	9.99	168	66014	3.212	ng	93
58) Fluorene	10.33	166	71250	4.461	ng	98
71) Phenanthrene	11.29	178	591689	28.665	ng	99
72) Anthracene	11.35	178	153912	7.463	ng	97
73) Carbazole	11.50	167	54103	2.945	ng	98
75) Fluoranthene	12.48	202	670295	30.593	ng	99
78) Pvrene	12.71	202	579661	20.322	ng	99
80) Butylbenzylphthalate	13.33	149	37196	3.098	ng	95
81) Benzo(a)anthracene	13.90	228	315496	13.035	ng	99
83) Chrysene	13.93	228	251818	10.442	ng	97
86) Indeno(1,2,3-cd)pvrene	16.75	276	104564	4.478	ng	95
88) Benzo(b)fluoranthene	14.93	252	403389	18.443	ng	# 94
89) Benzo(k)fluoranthene	14.93	252	403389	19.901	ng	# 94
90) Benzo(a)pvrene	15.28	252	208356	10.555	ng	# 92
92) Benzo(a,h,i)perylene	17.17	276	101716	5.927	ng	95

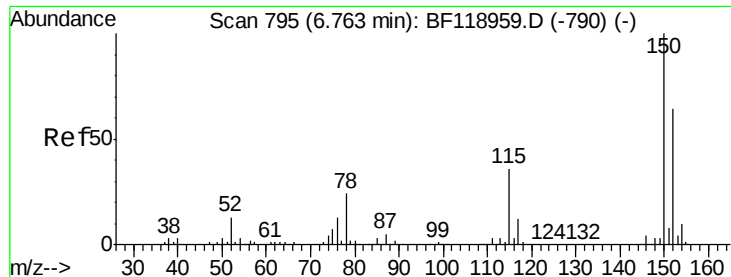
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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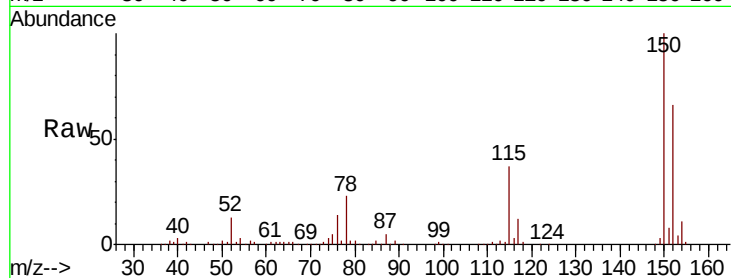


#1

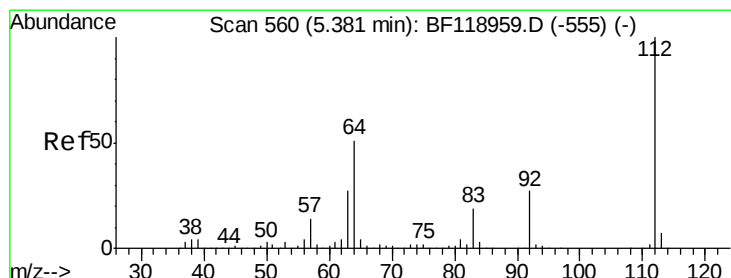
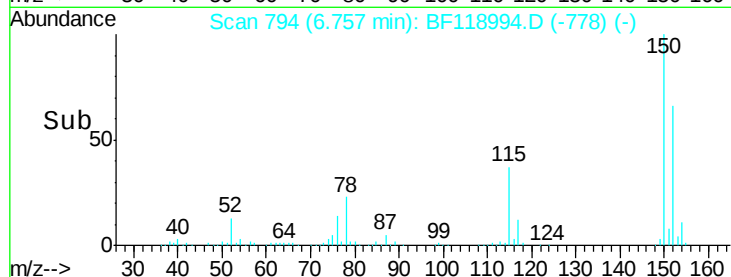
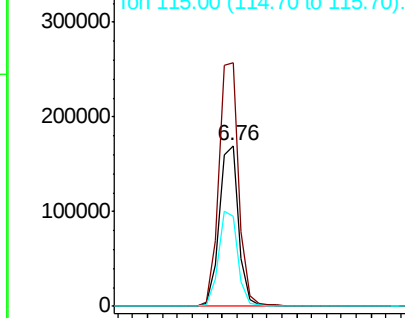
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.3	186.5
115	56.1	44.6	67.0



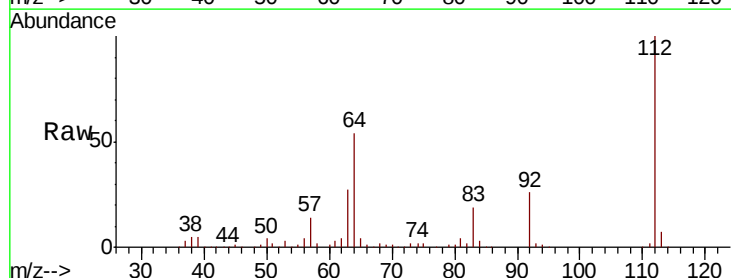
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



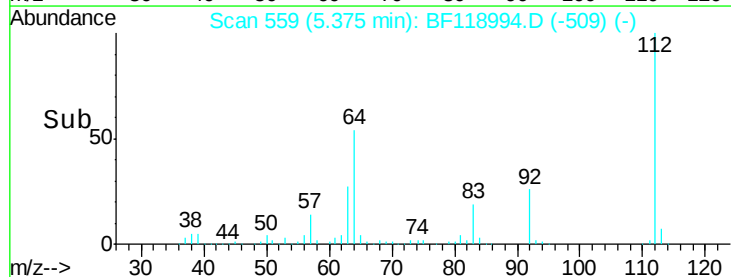
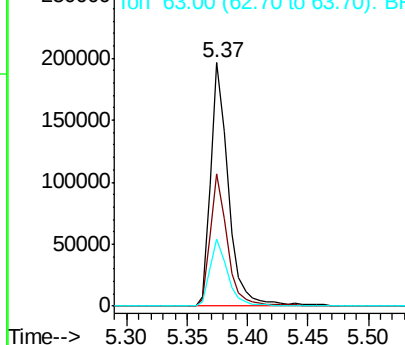
#5

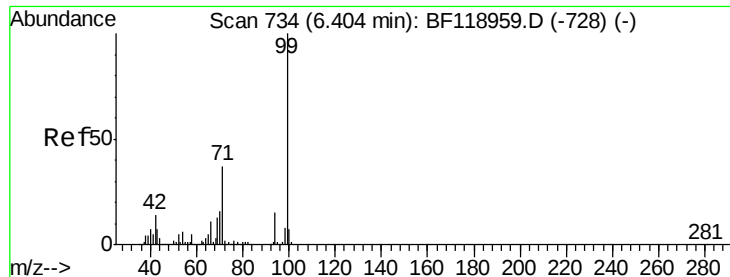
2-Fluorophenol
Concen: 21.379 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	40.4	60.6
63	27.3	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: 47.021 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Instrument :

BNA_F

ClientSampled :

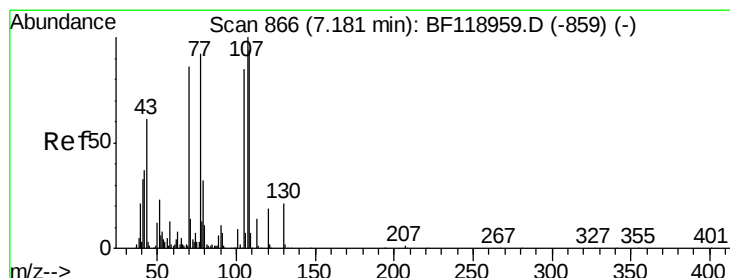
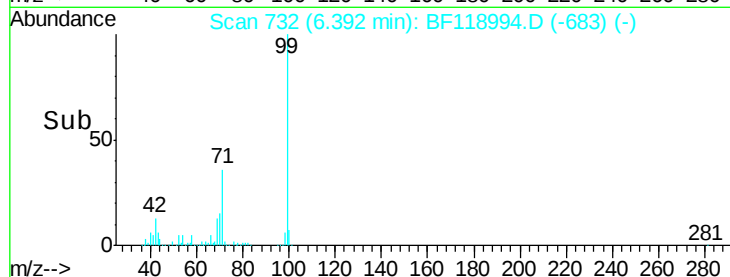
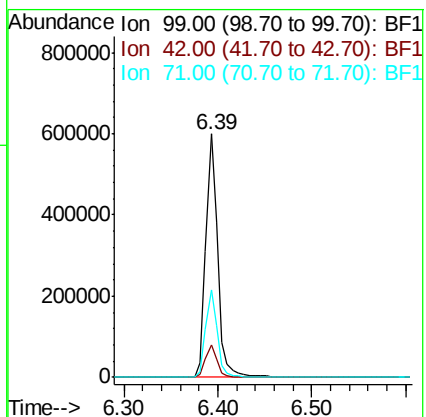
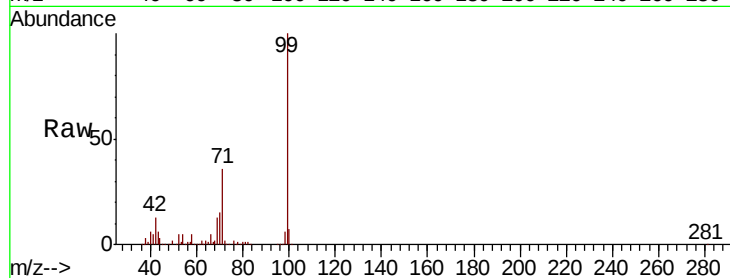
Tot Ion: 99 Resp: 533653

Ion Ratio Lower Upper

99 100

42 13.5 11.4 17.0

71 35.8 29.8 44.6



#19

n-Nitroso-di-n-propylamine

Concen: 8.484 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Tgt Ion: 70 Resp: 56109

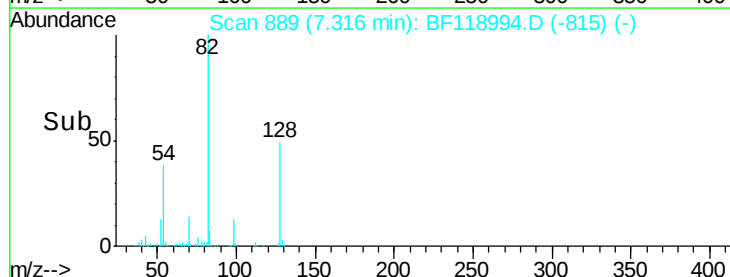
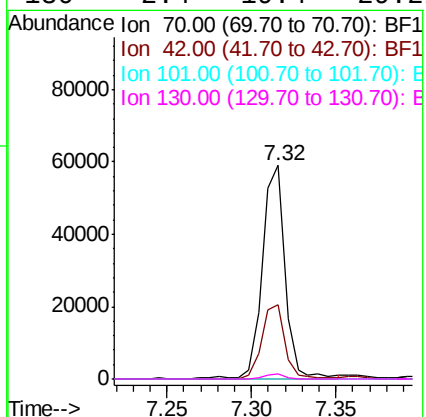
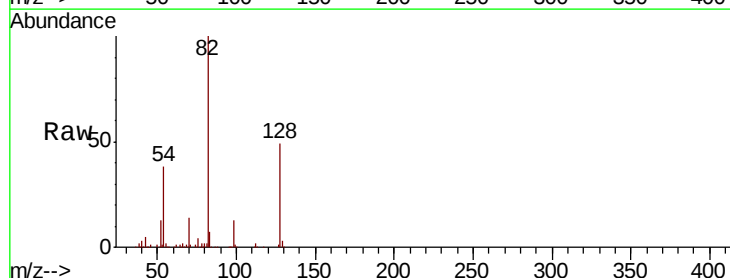
Ion Ratio Lower Upper

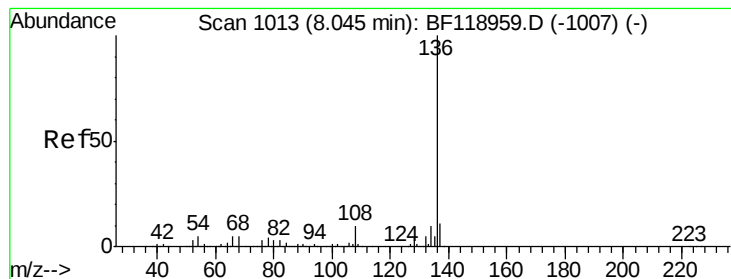
70 100

42 34.9 34.6 51.8

101 0.0 8.1 12.1#

130 2.4 19.4 29.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 535423

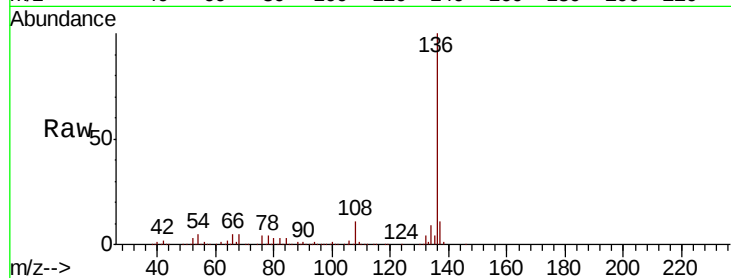
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 5.2 3.8 5.6

68 5.4 4.2 6.2

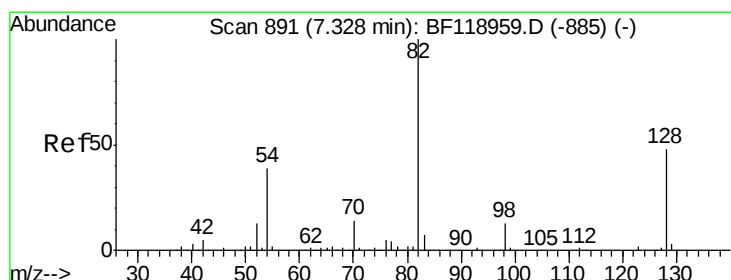
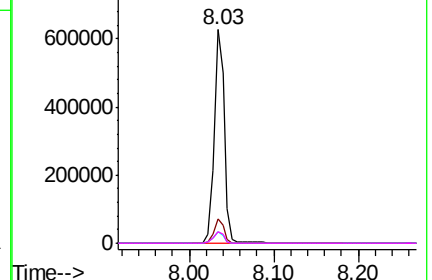
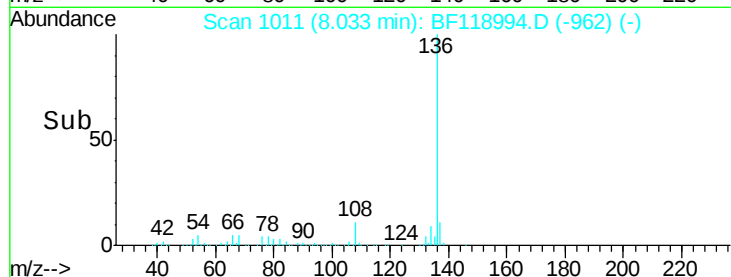


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.252 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

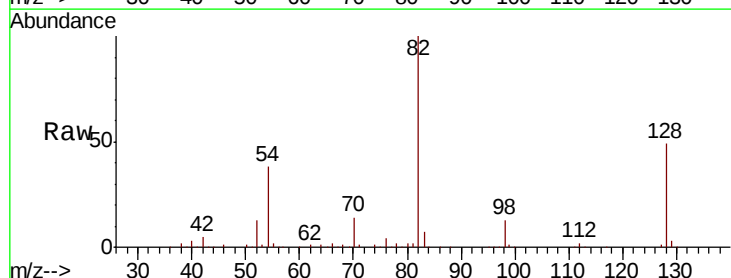
Tgt Ion: 82 Resp: 398038

Ion Ratio Lower Upper

82 100

128 48.8 38.2 57.2

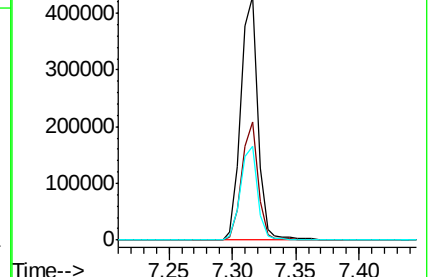
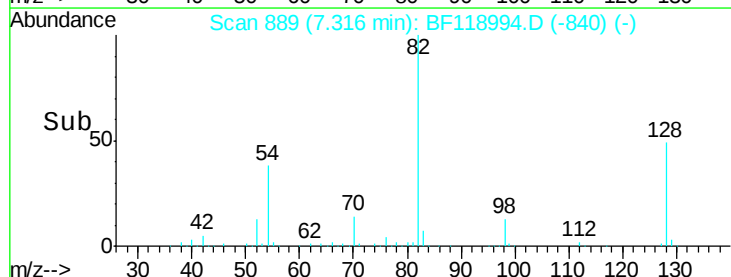
54 38.5 31.3 46.9

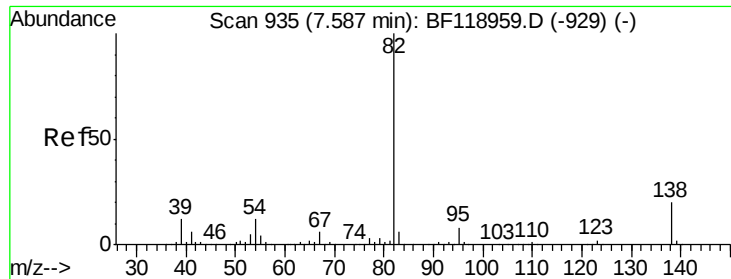


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 22.483 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Instrument :

BNA_F

ClientSampled :

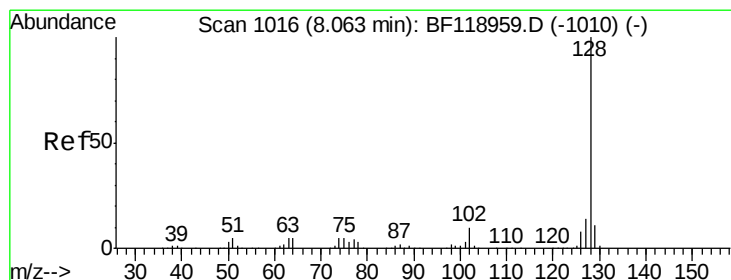
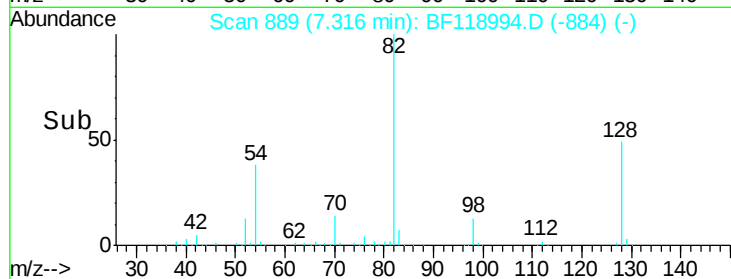
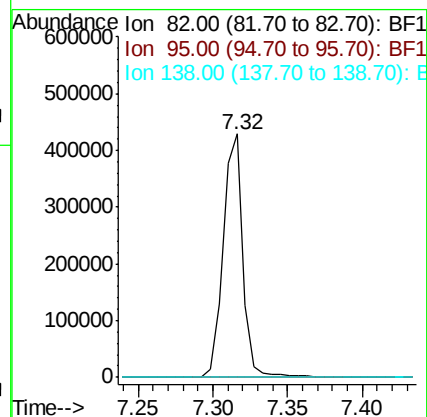
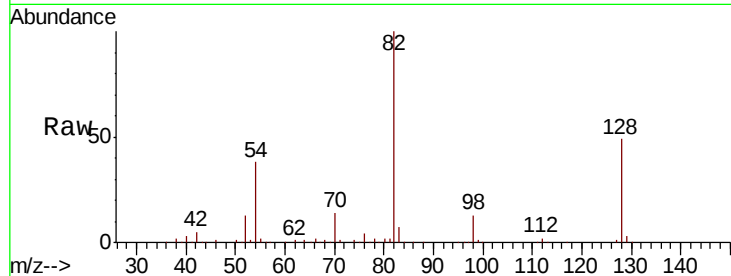
Tot Ion: 82 Resp: 395944

Ion Ratio Lower Upper

82 100

95 0.1 6.1 9.1#

138 0.0 15.8 23.6#



#31

Naphthalene

Concen: 5.218 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

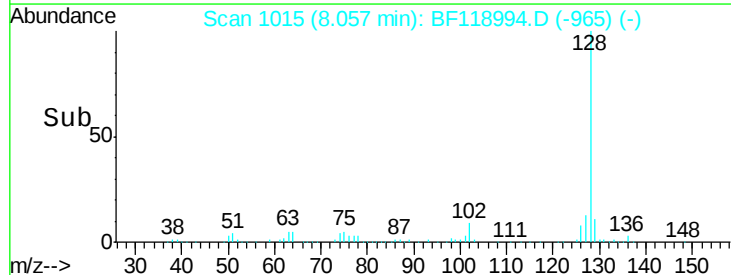
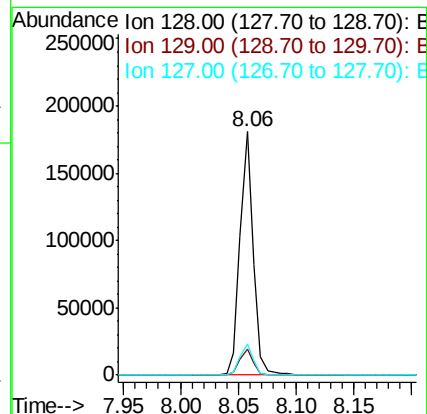
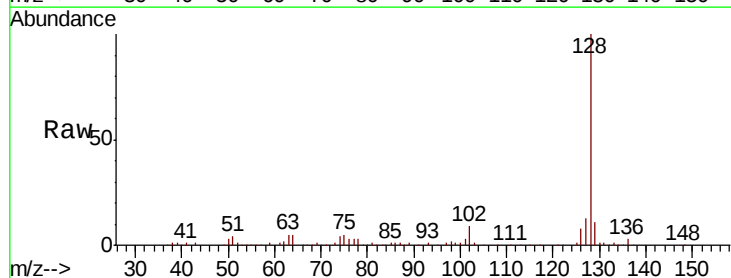
Tgt Ion: 128 Resp: 144894

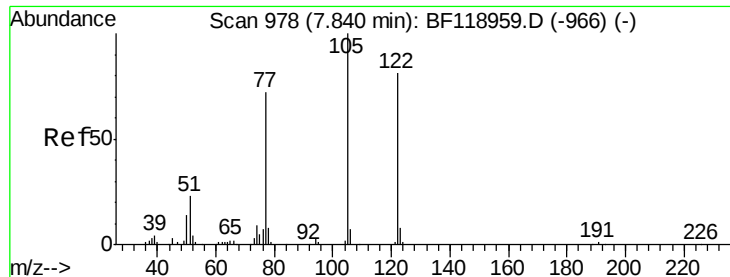
Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 13.0 10.9 16.3

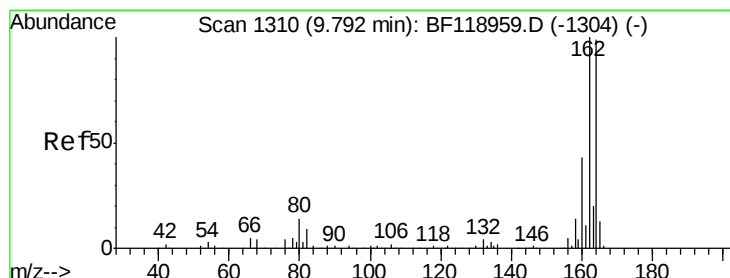
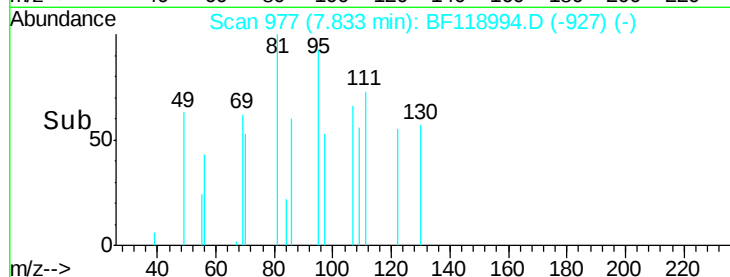
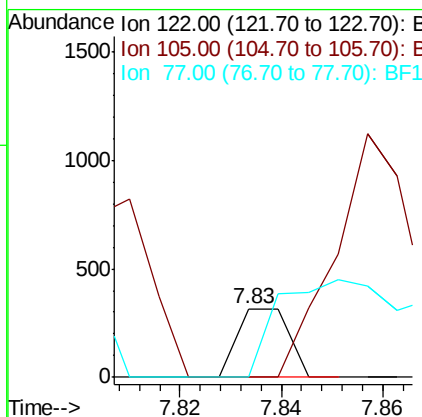
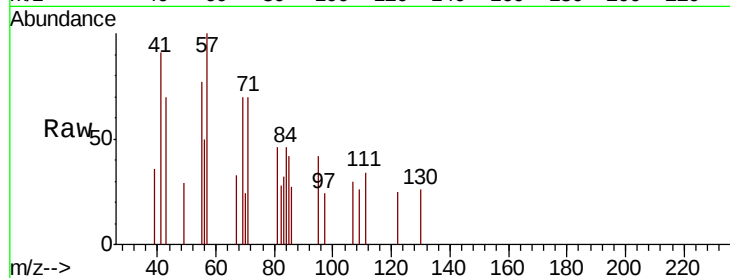




#32
Benzoic acid
Concen: 6.717 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

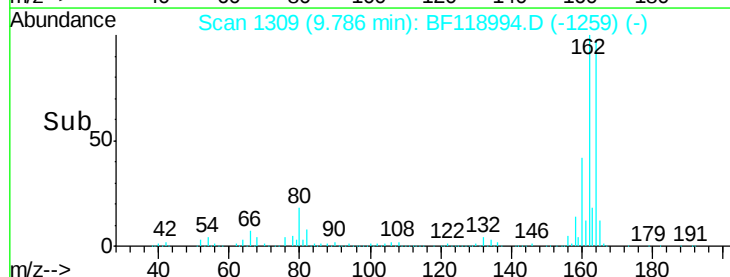
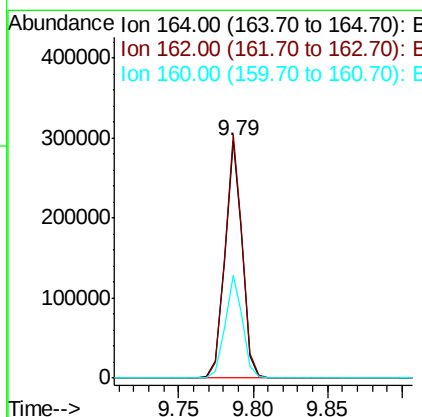
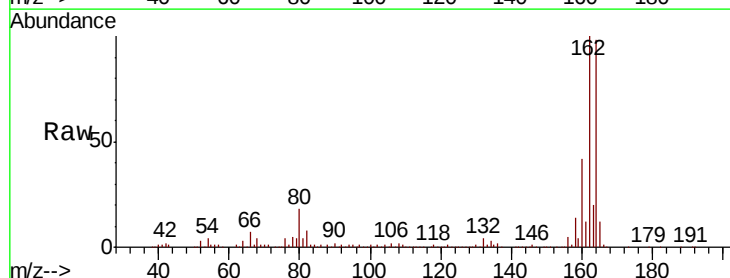
Instrument :
BNA_F
ClientSampleId :

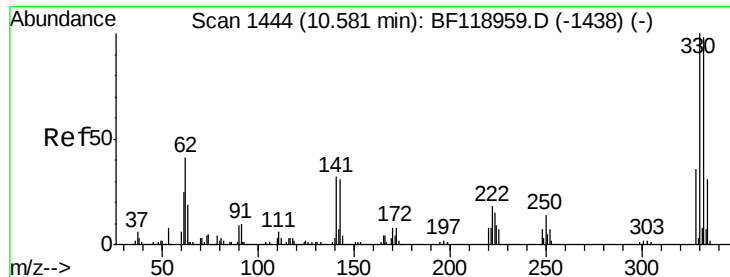
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	102.2	142.2#
77	0.0	68.6	108.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.2	121.8
160	43.2	35.2	52.8

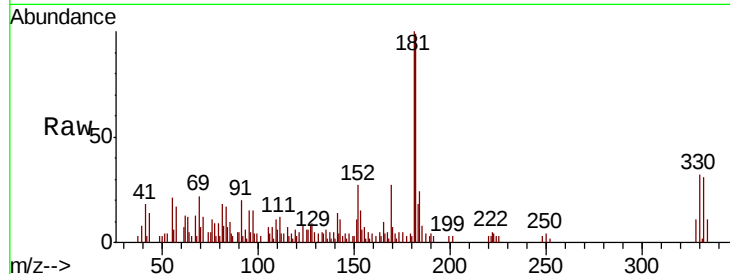




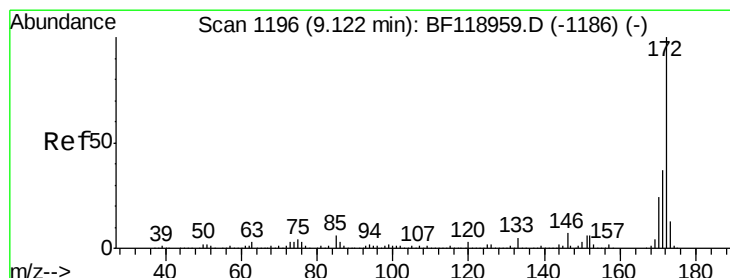
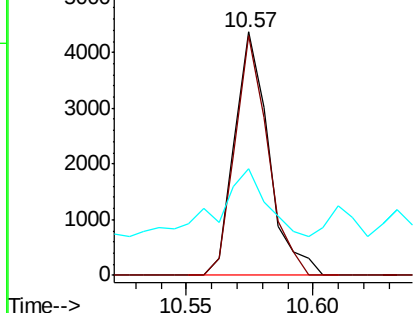
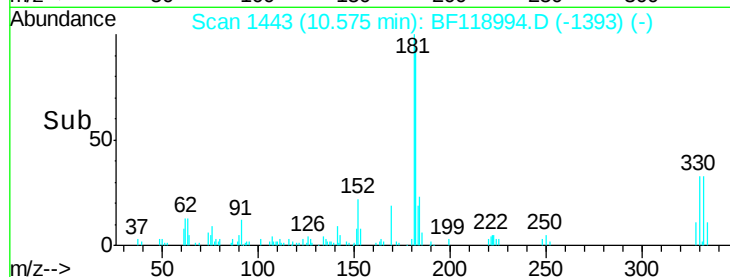
#42
 2,4,6-Tribromophenol
 Concen: 1.291 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118994.D
 Acq: 21 Feb 2020 15:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 4102
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.1 115.7
 141 64.4 23.0 34.6#

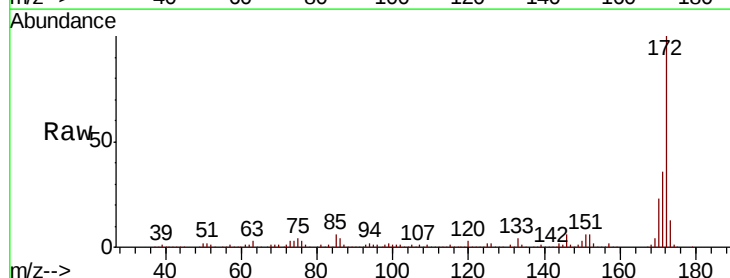


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

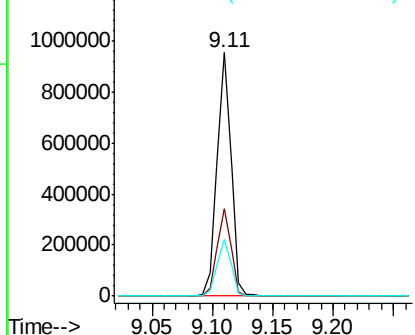
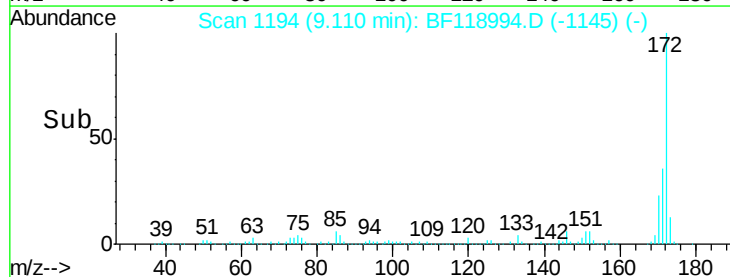


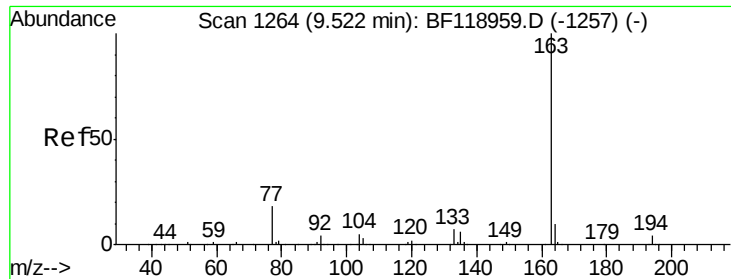
#45
 2-Fluorobiphenyl
 Concen: 45.808 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF118994.D
 Acq: 21 Feb 2020 15:52

Tgt Ion:172 Resp: 754971
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.2
 170 23.5 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

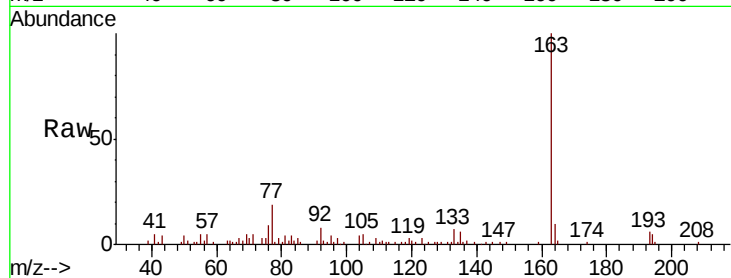




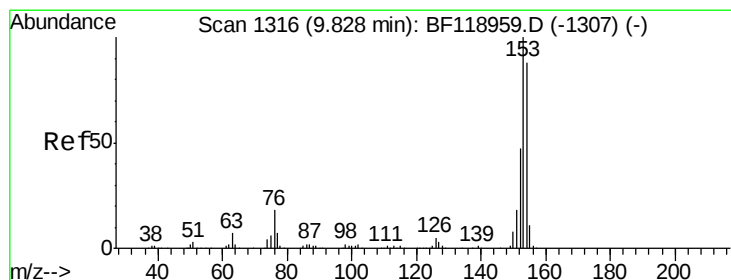
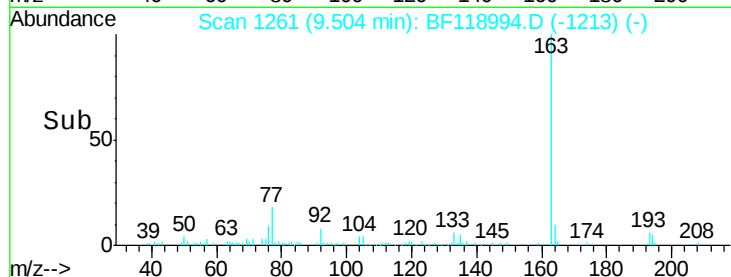
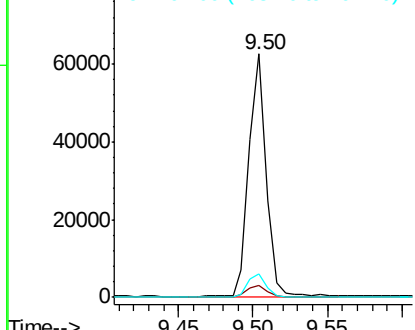
#50
Dimethylphthalate
Concen: 2.745 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.4	5.2
164	9.5	8.2	12.2

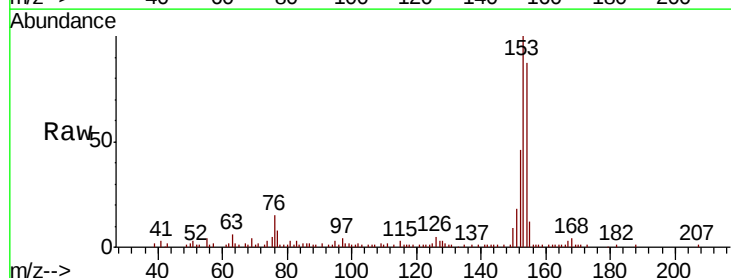


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

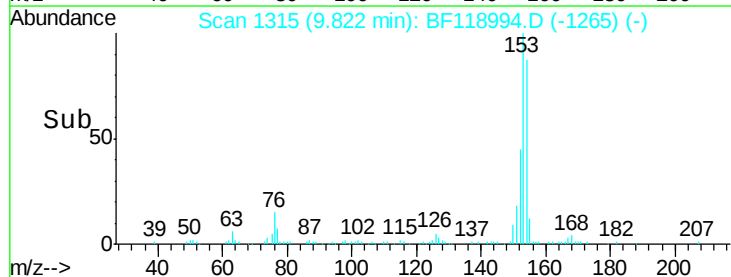
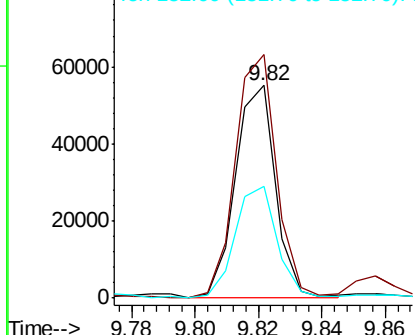


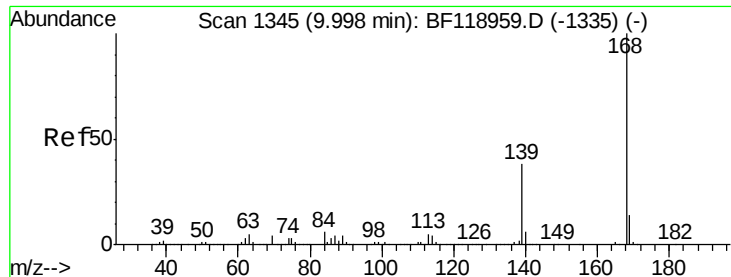
#52
Acenaphthene
Concen: 3.517 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.4	135.6
152	52.5	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

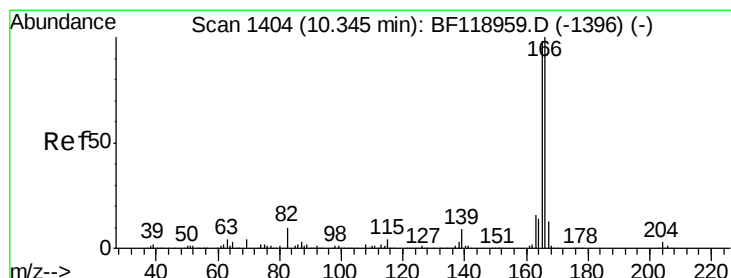
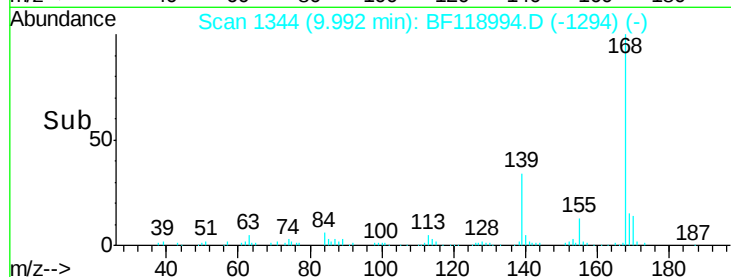
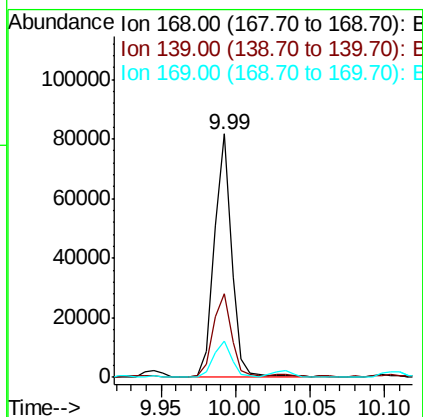
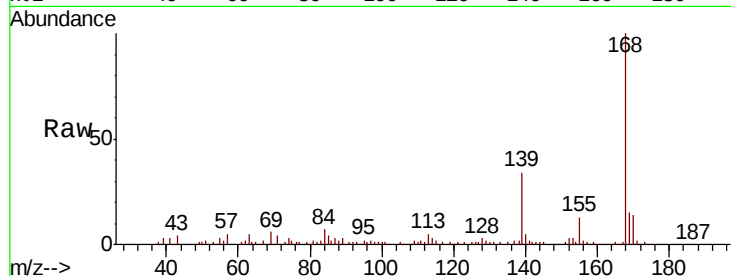




#55
Dibenzofuran
Concen: 3.212 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

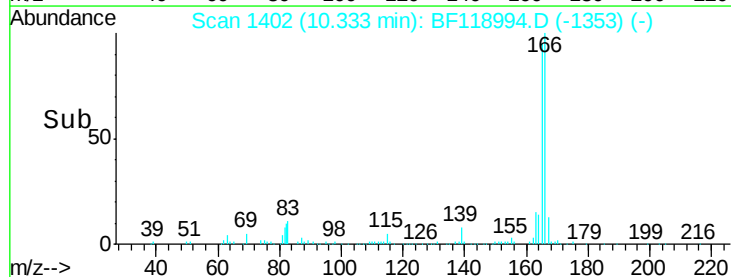
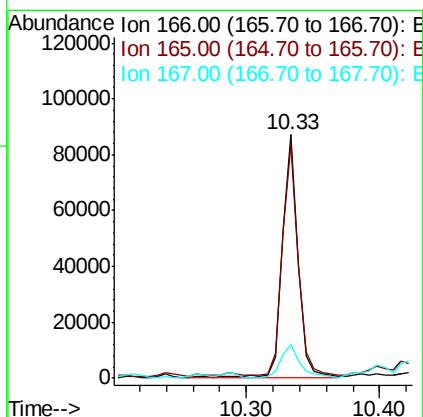
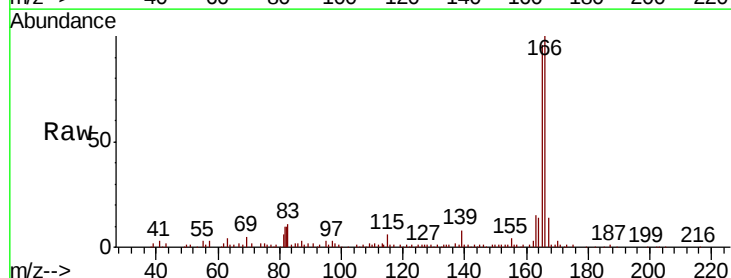
Instrument :
BNA_F
ClientSampleId :

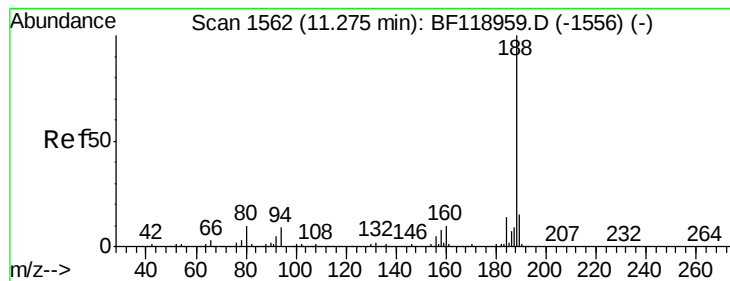
Tot Ion:168 Resp: 66014
Ion Ratio Lower Upper
168 100
139 34.4 31.7 47.5
169 14.7 11.0 16.4



#58
Fluorene
Concen: 4.461 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion:166 Resp: 71250
Ion Ratio Lower Upper
166 100
165 95.7 78.2 117.4
167 13.8 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Instrument :

BNA_F

ClientSampled :

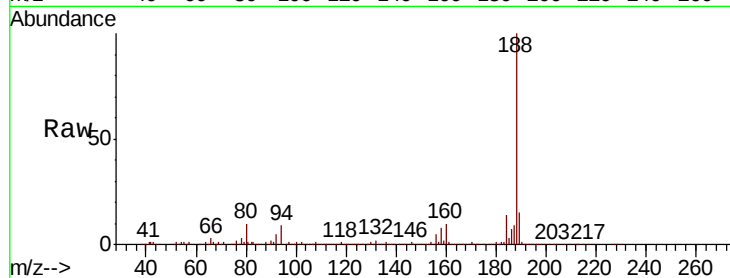
Tot Ion:188 Resp: 378496

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

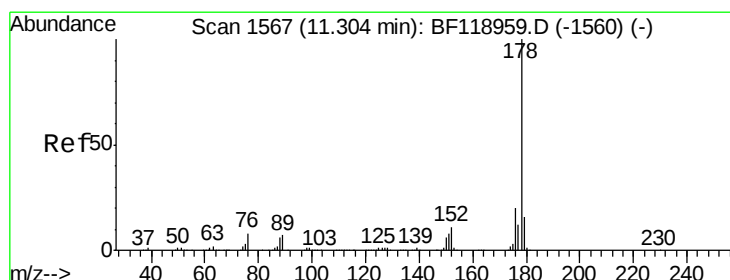
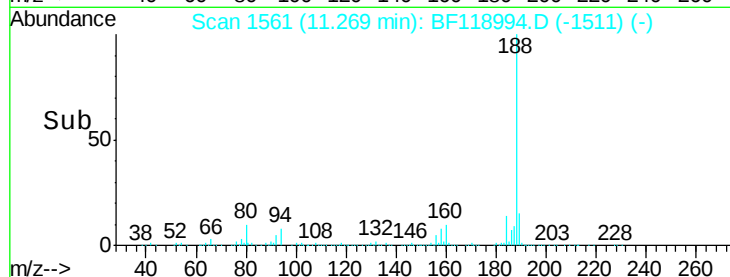
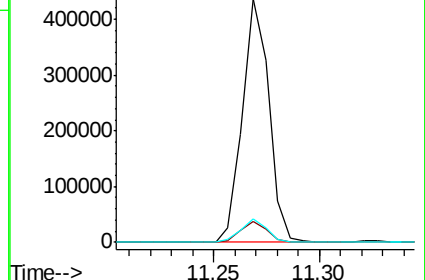
80 9.8 7.9 11.9



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



#71

Phenanthrene

Concen: 28.665 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

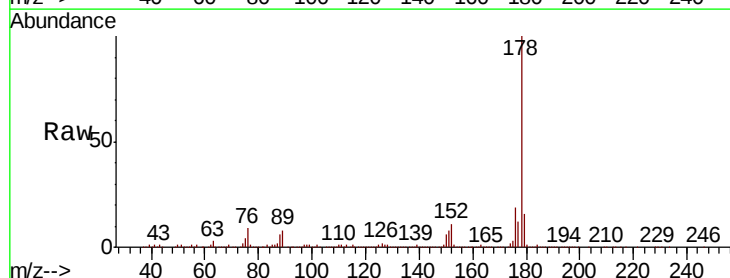
Tgt Ion:178 Resp: 591689

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

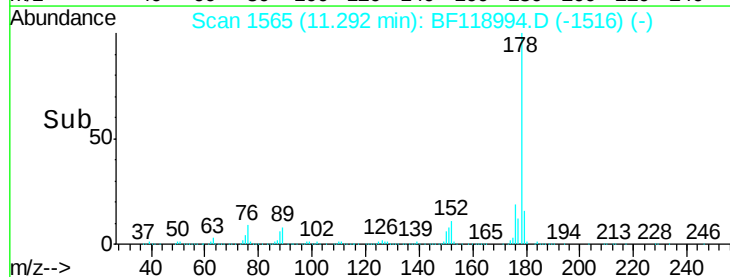
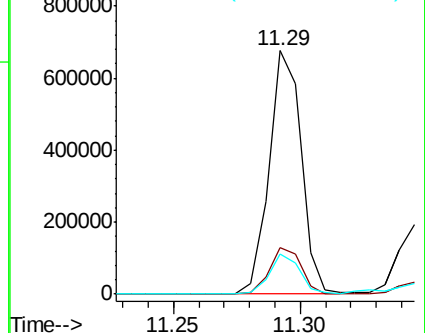
179 16.2 12.6 18.8

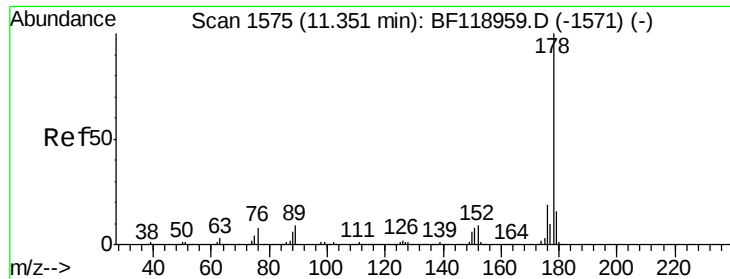


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

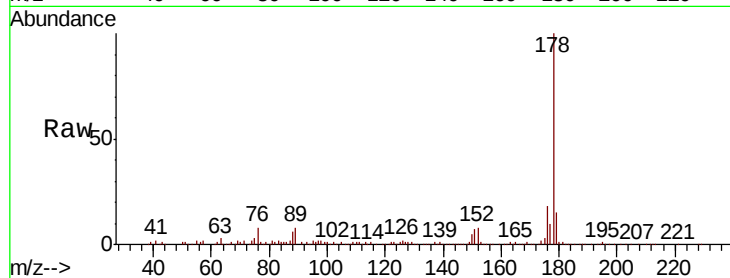




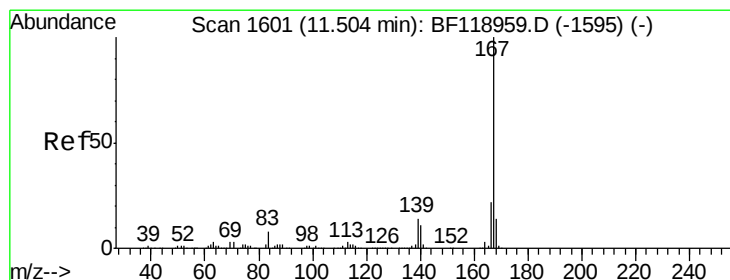
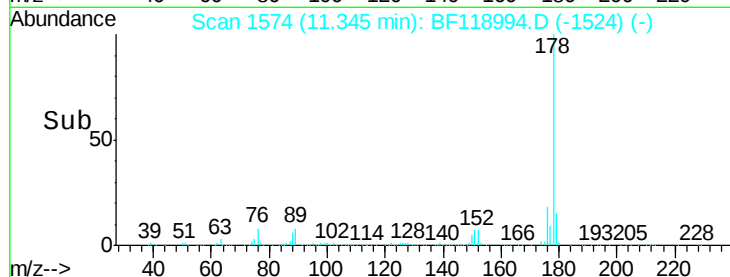
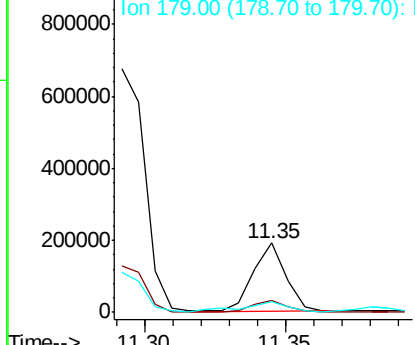
#72
 Anthracene
 Concen: 7.463 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF118994.D
 Acq: 21 Feb 2020 15:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 153912
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 15.2 12.8 19.2

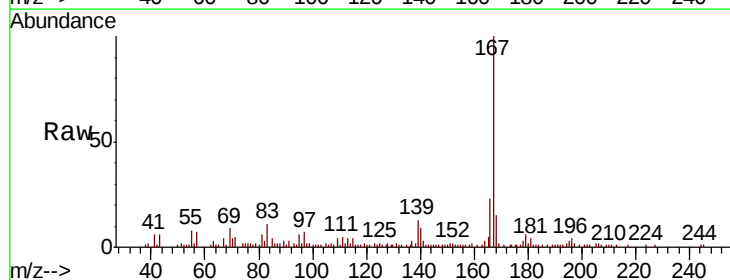


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

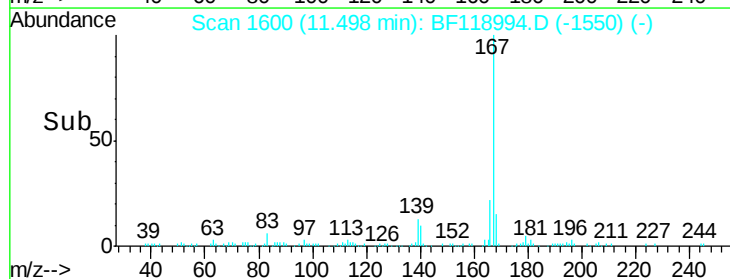
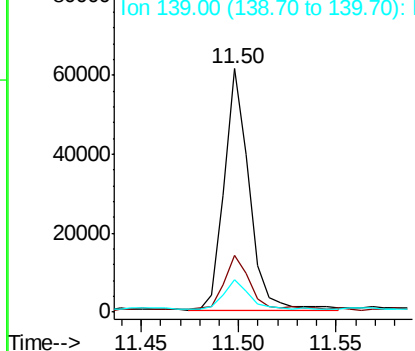


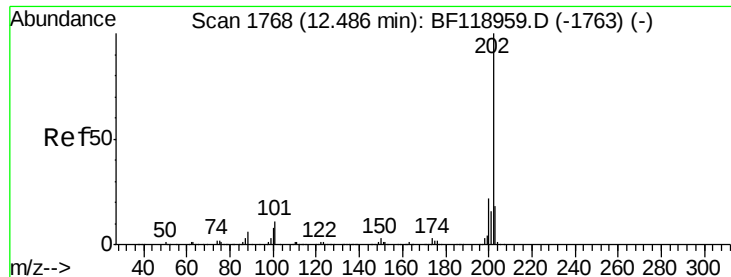
#73
 Carbazole
 Concen: 2.945 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF118994.D
 Acq: 21 Feb 2020 15:52

Tgt Ion:167 Resp: 54103
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.8 26.6
 139 13.5 11.2 16.8



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: 30.593 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Instrument :

BNA_F

ClientSampleId :

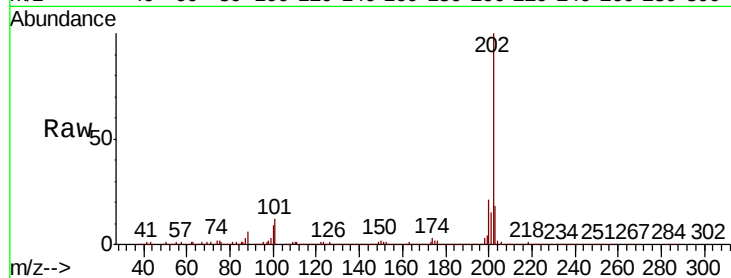
Tot Ion:202 Resp: 670295

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.1

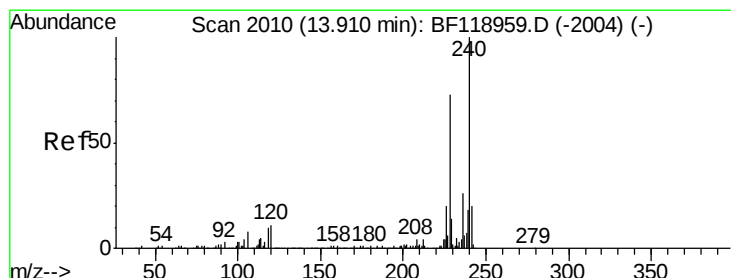
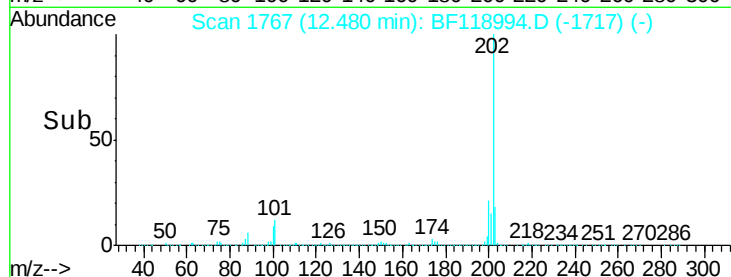
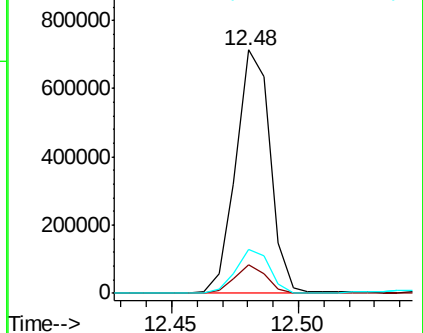
203 18.1 0.0 38.1



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: BF118994.D

Acq: 21 Feb 2020 15:52

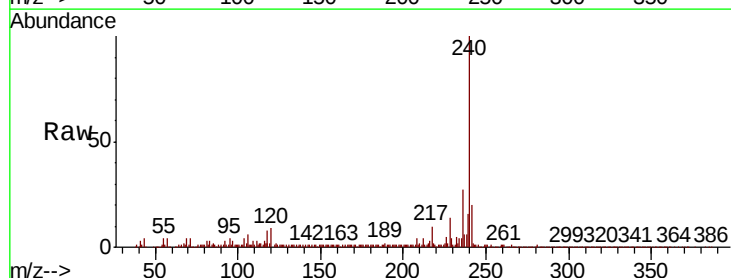
Tgt Ion:240 Resp: 355220

Ion Ratio Lower Upper

240 100

120 9.1 8.9 13.3

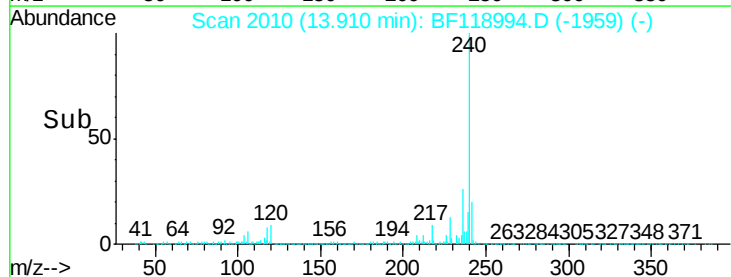
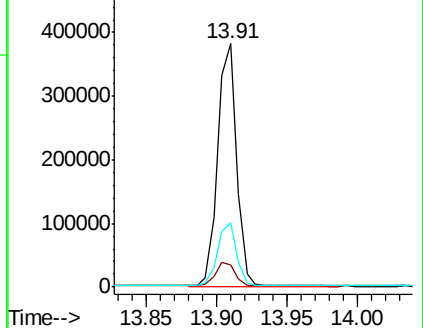
236 26.7 20.6 30.8

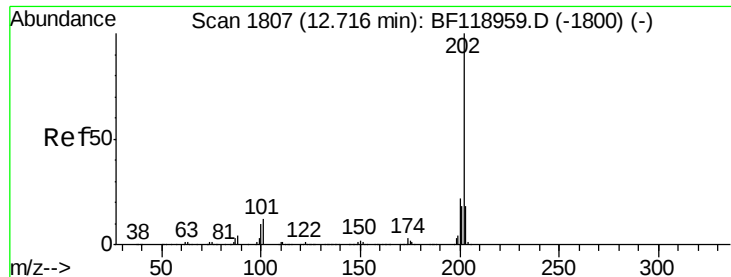


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 20.322 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF118994.D

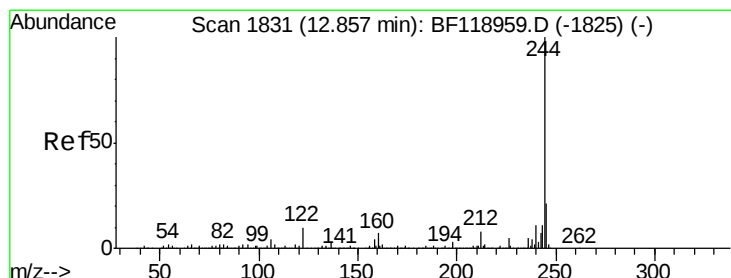
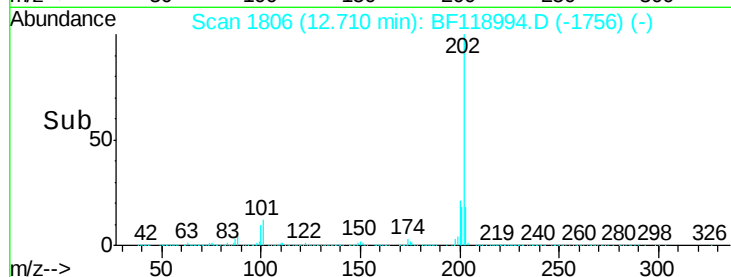
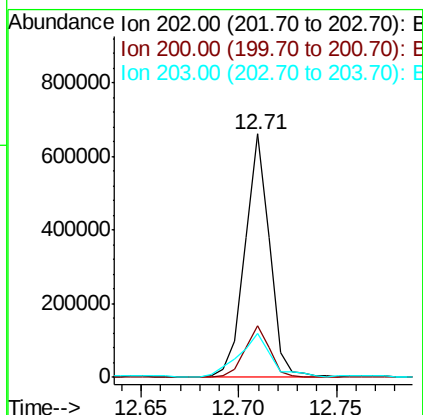
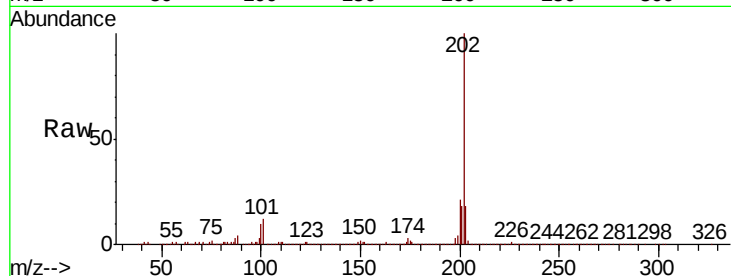
Acq: 21 Feb 2020 15:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	579661
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.0
203	18.1	14.5	21.7



#79

Terphenyl-d14

Concen: 35.421 ng

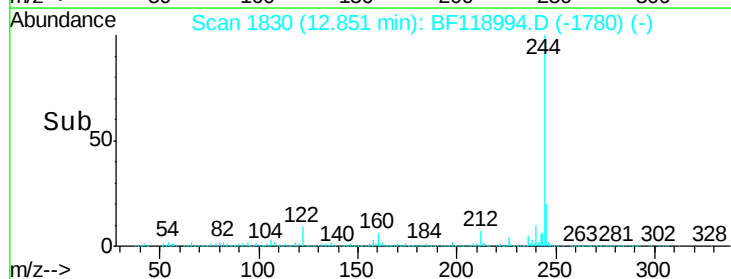
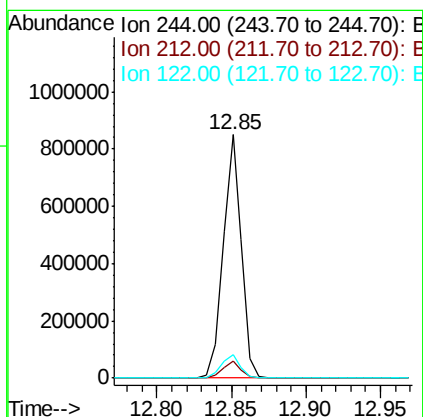
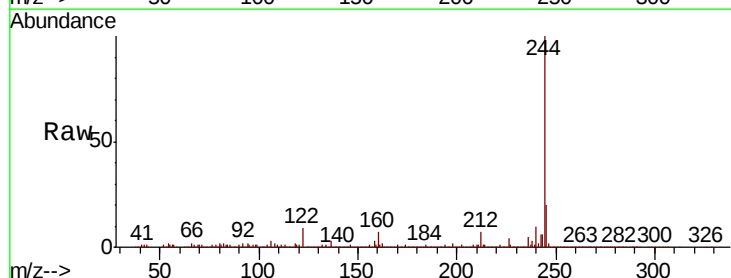
RT: 12.85 min Scan# 1830

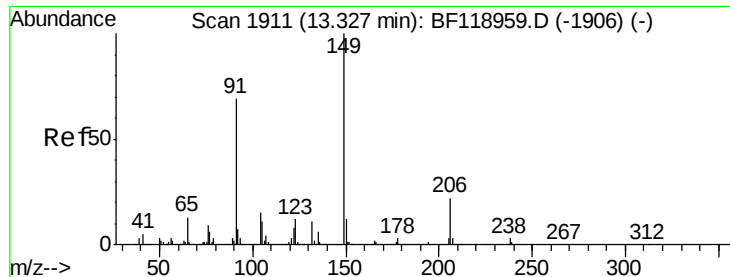
Delta R.T. -0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Tgt Ion:	244	Resp:	730821
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	9.4	8.4	12.6

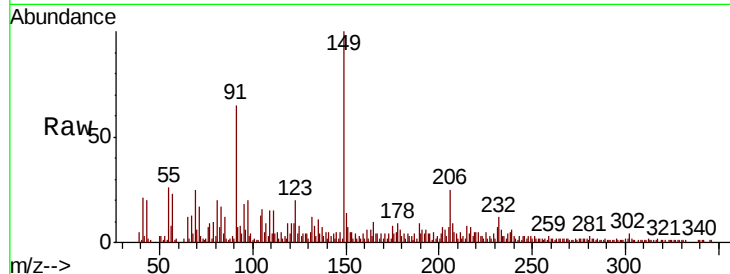




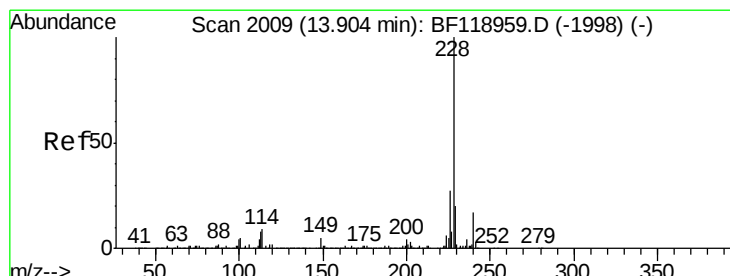
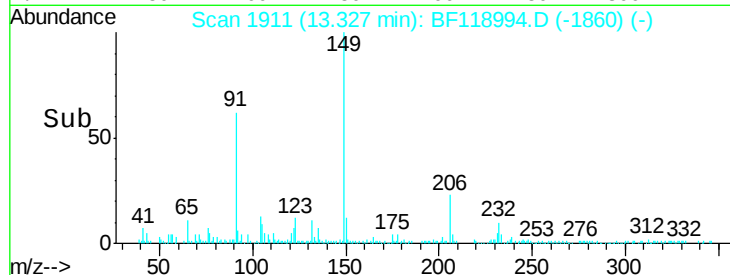
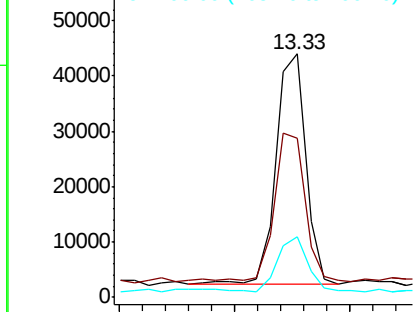
#80
Butylbenzylphthalate
Concen: 3.098 ng
RT: 13.33 min Scan# 1911
Delta R.T. -0.00 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
91	65.4	55.4	83.2
206	24.9	17.7	26.5

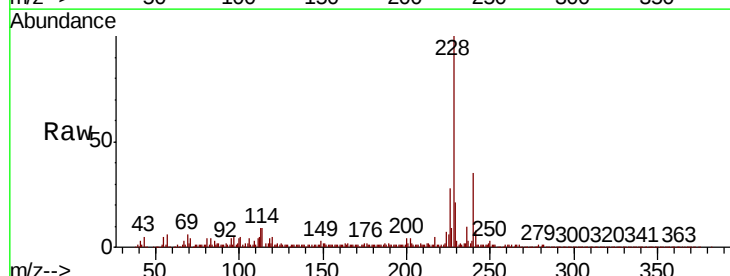


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

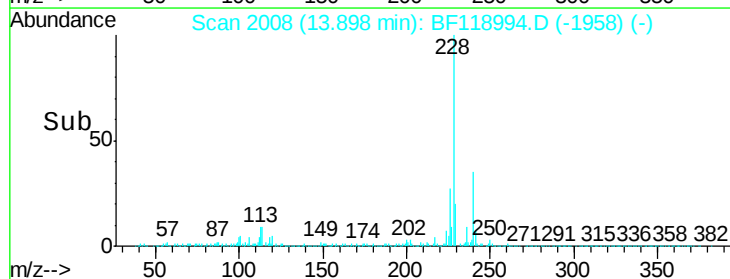
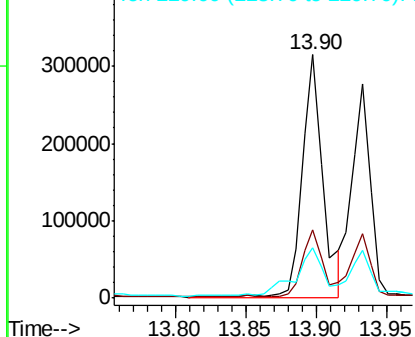


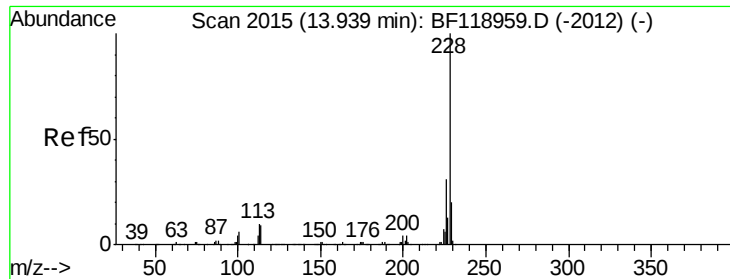
#81
Benzo(a)anthracene
Concen: 13.035 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	20.7	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

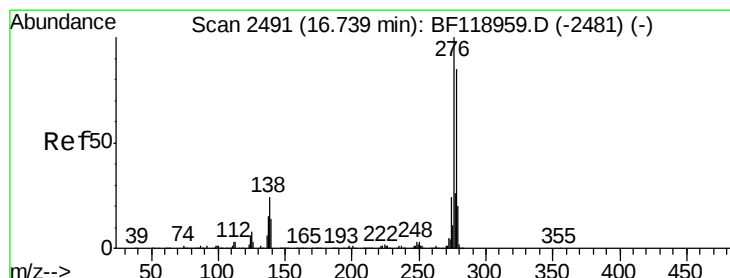
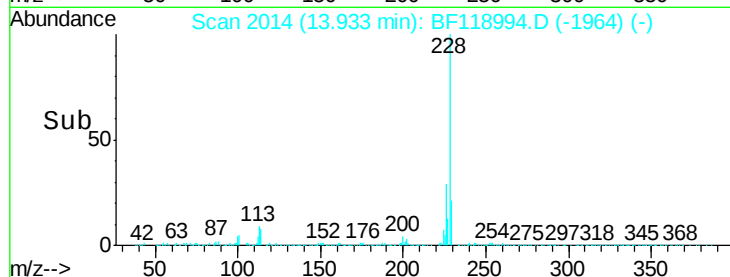
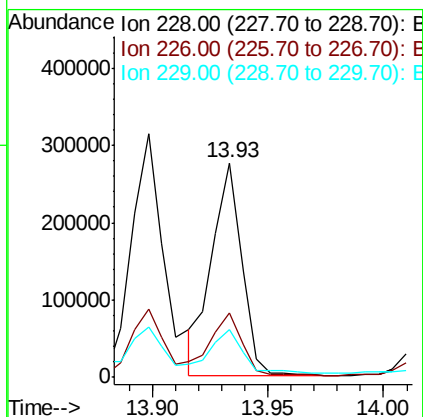
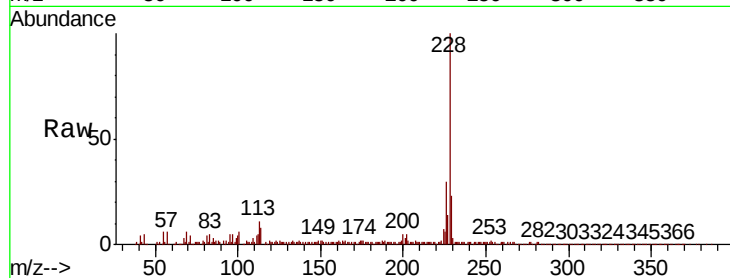




#83
Chrysene
Concen: 10.442 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

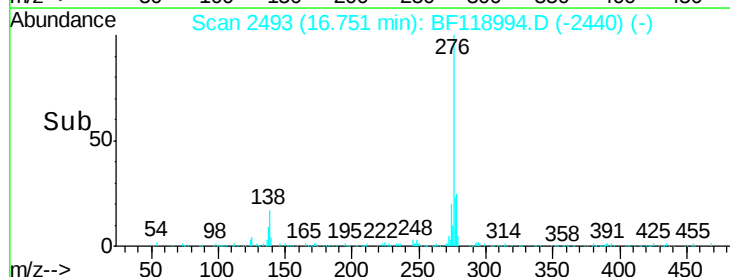
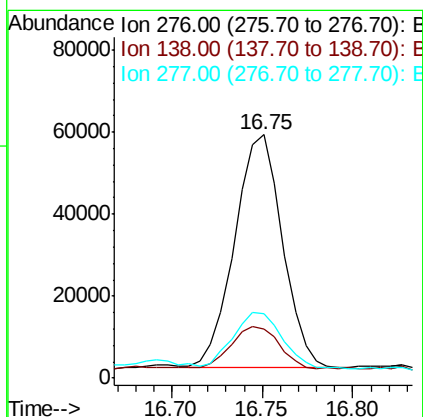
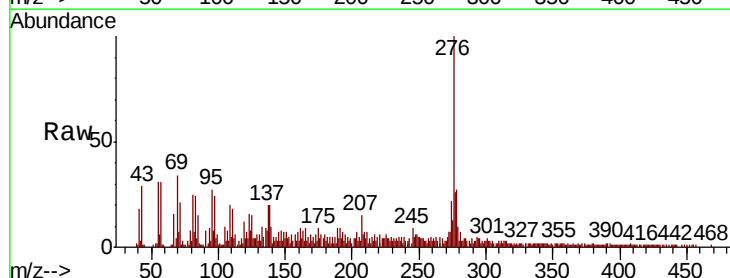
Instrument :
BNA_F
ClientSampleId :

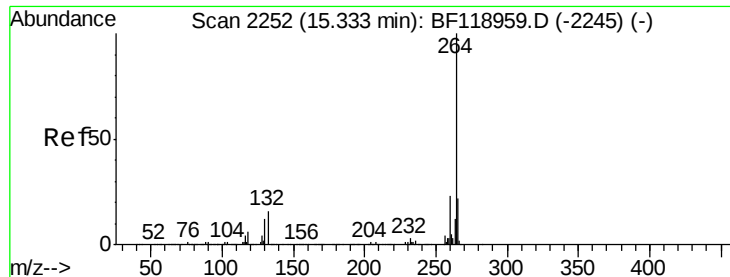
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	22.5	16.2	24.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.478 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.7	28.1
277	25.5	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Instrument :

BNA_F

ClientSampleId :

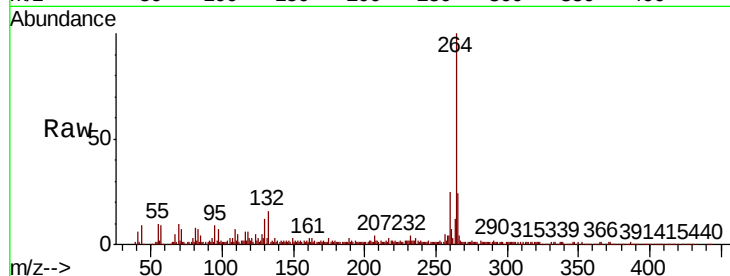
Tot Ion:264 Resp: 331831

Ion Ratio Lower Upper

264 100

260 25.2 18.6 28.0

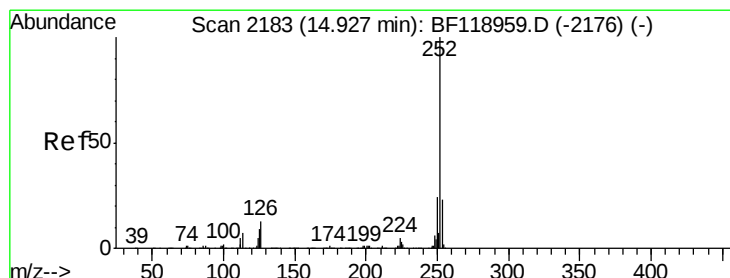
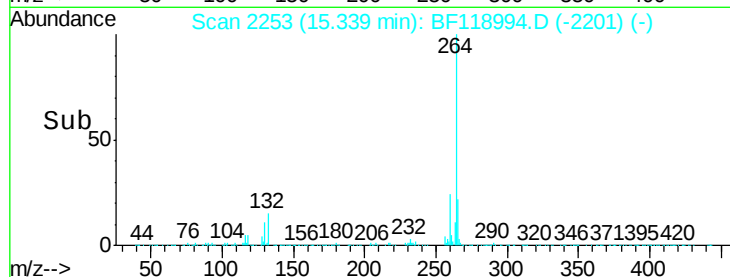
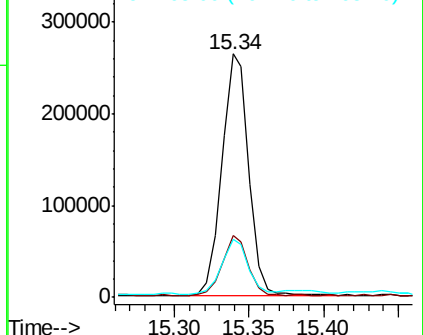
265 23.6 17.3 25.9



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: 18.443 ng

RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

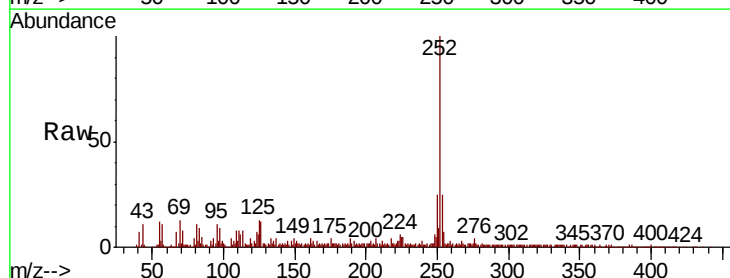
Tgt Ion:252 Resp: 403389

Ion Ratio Lower Upper

252 100

253 24.9 18.2 27.2

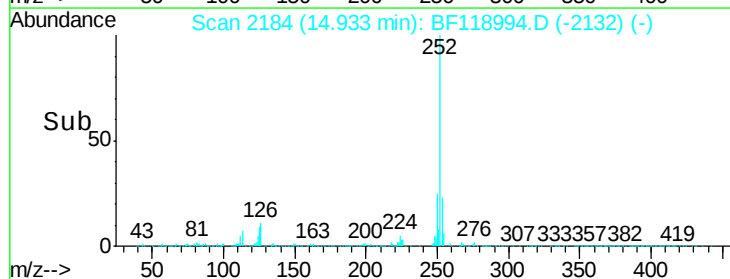
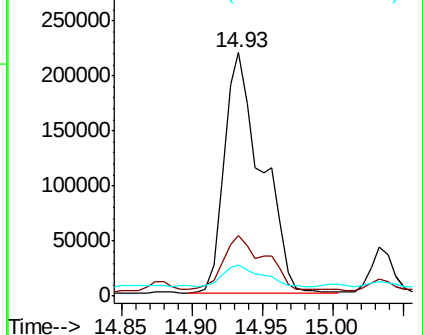
125 12.6 7.4 11.0#

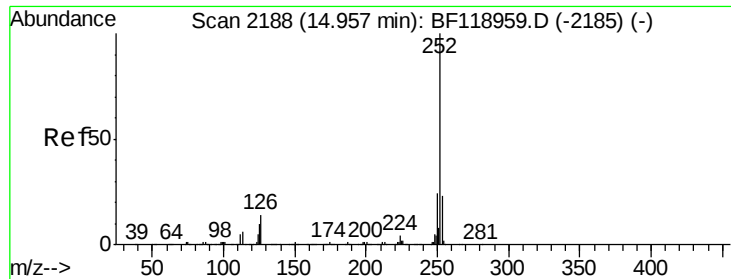


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

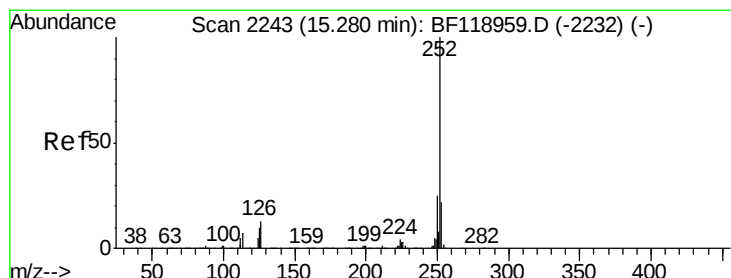
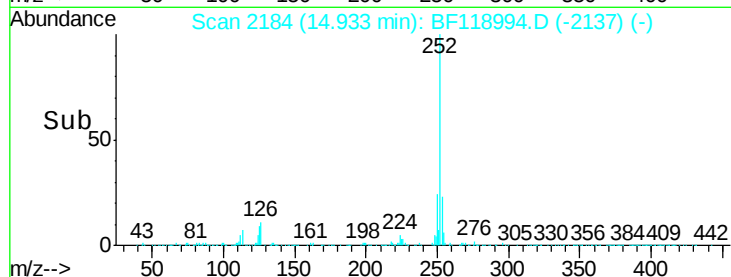
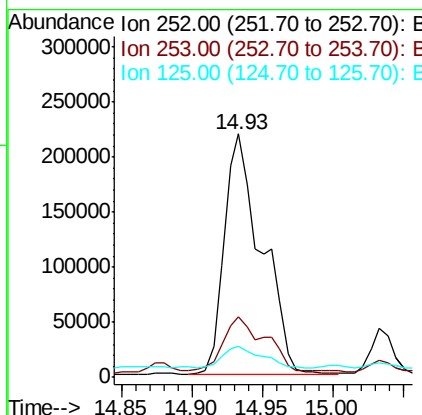
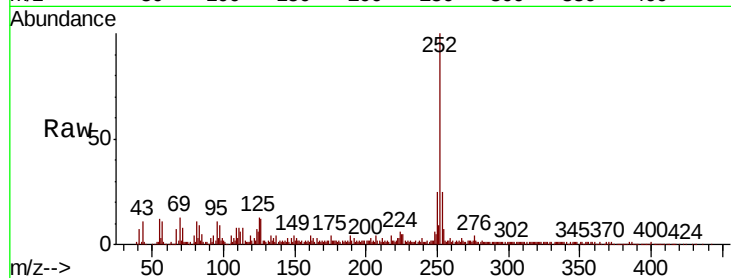




#89
Benzo(k)fluoranthene
Concen: 19.901 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

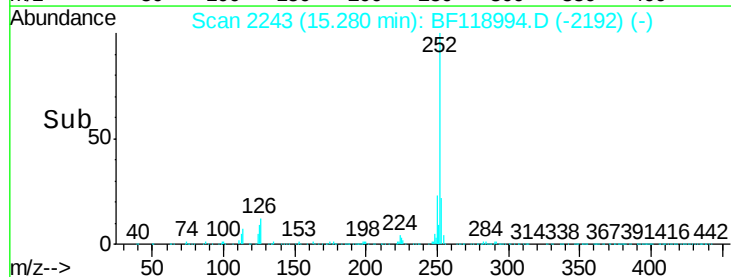
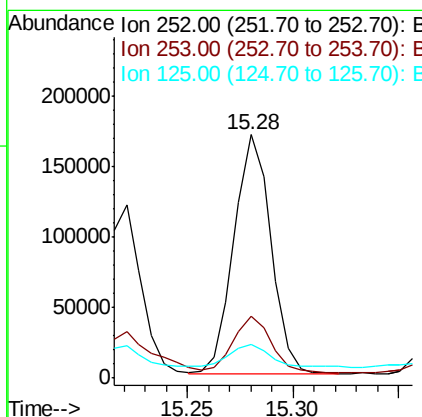
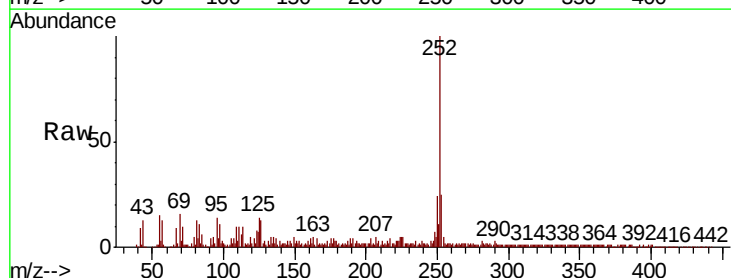
Instrument :
BNA_F
ClientSampled :

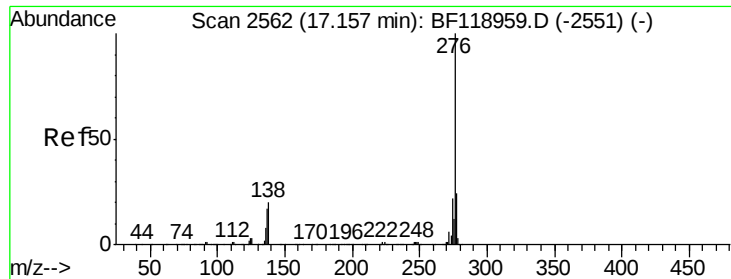
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	12.6	7.3	10.9



#90
Benzo(a)pyrene
Concen: 10.555 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF118994.D
Acq: 21 Feb 2020 15:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	13.8	7.8	11.6





#92

Benzo(a,h,i)perylene

Concen: 5.927 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.02 min

Lab File: BF118994.D

Acq: 21 Feb 2020 15:52

Instrument :

BNA_F

ClientSampleId :

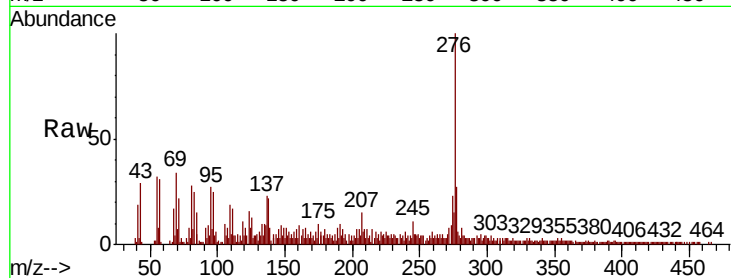
Tot Ion:276 Resp: 101716

Ion Ratio Lower Upper

276 100

277 27.0 19.2 28.8

138 21.6 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

