

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF119011.D
 Acq On : 22 Feb 2020 00:08
 Operator : CG/JU
 Sample : L1626-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 02:24:20 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	150024	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	526541	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	250806	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	425132	20.00	ng	0.00
76) Chrysene-d12	13.90	240	354628	20.00	ng	0.00
87) Perylene-d12	15.33	264	314844	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	807892	89.99	ng	0.00
7) Phenol-d6	6.40	99	951618	87.16	ng	0.00
23) Nitrobenzene-d5	7.32	82	599887	60.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	258800	78.88	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1077715	63.30	ng	-0.01
79) Terphenyl-d14	12.85	244	1143785	55.53	ng	0.00

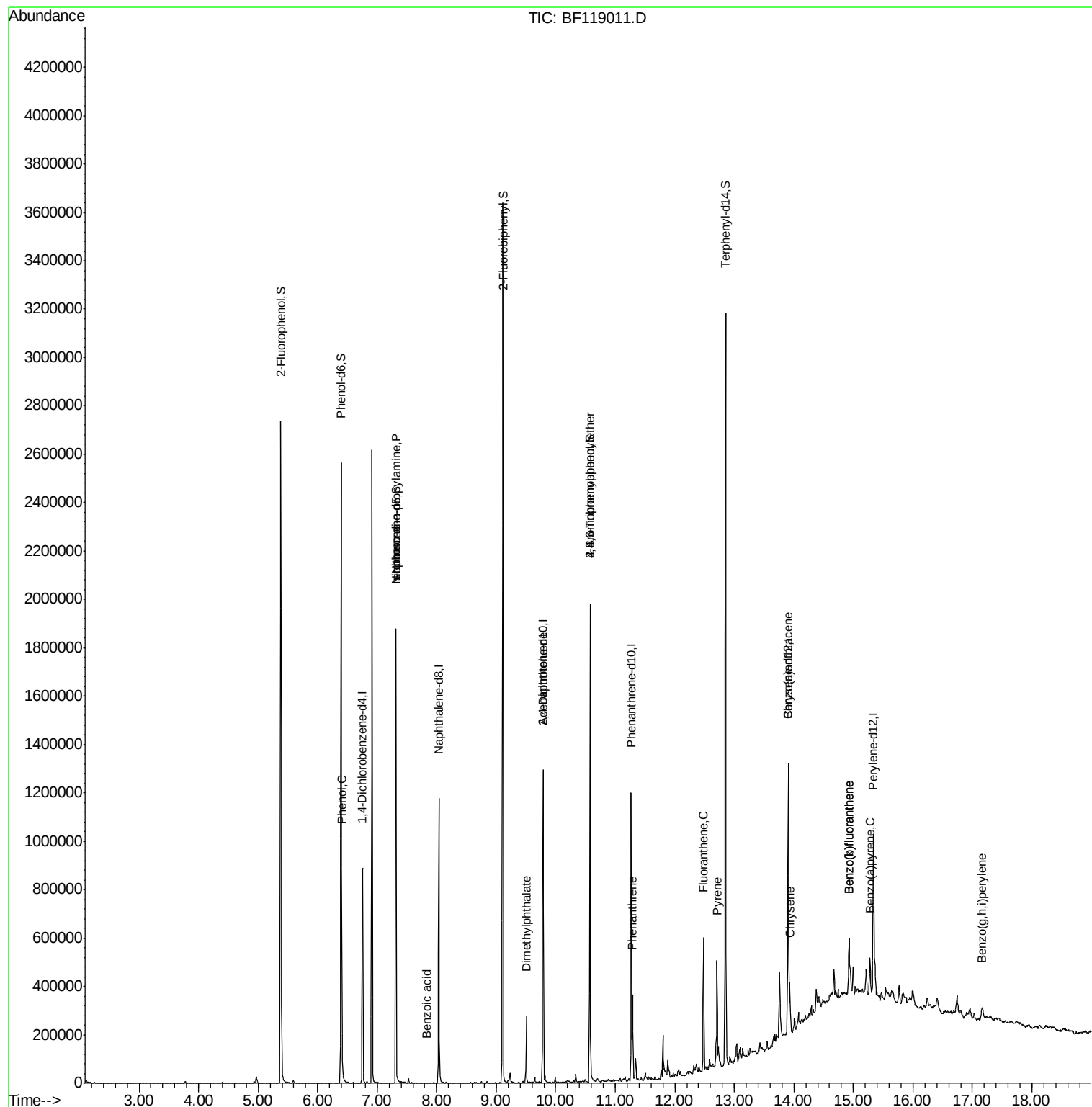
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.41	94	24729	2.095	ng	85
19) n-Nitroso-di-n-propylamine	7.32	70	82326	12.941	ng	# 76
25) Isophorone	7.32	82	599876	34.637	ng	# 63
32) Benzoic acid	7.83	122	106	6.698	ng	# 1
50) Dimethylphthalate	9.50	163	112325	5.857	ng	100
57) 2,4-Dinitrotoluene	9.79	165	32138	5.819	ng	# 29
67) 4-Bromophenyl-phenylether	10.57	248	16638	2.994	ng	# 1
71) Phenanthrene	11.29	178	124617	5.375	ng	98
75) Fluoranthene	12.48	202	199389	8.102	ng	99
78) Pyrene	12.71	202	177871	6.246	ng	98
81) Benzo(a)anthracene	13.90	228	98369	4.071	ng	96
83) Chrysene	13.93	228	92299	3.834	ng	95
88) Benzo(b)fluoranthene	14.93	252	147709	7.118	ng	# 95
89) Benzo(k)fluoranthene	14.93	252	147709	7.680	ng	# 95
90) Benzo(a)pyrene	15.27	252	73964	3.949	ng	# 93
92) Benzo(g,h,i)perylene	17.16	276	38321	2.353	ng	# 91

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

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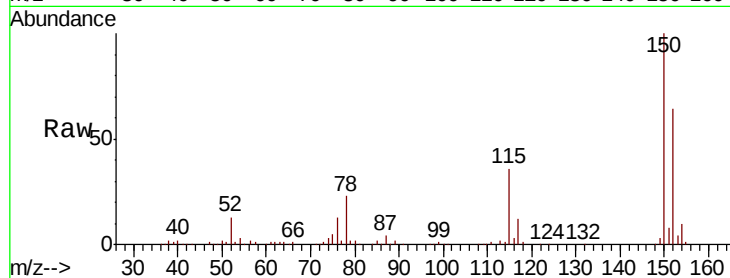


#1

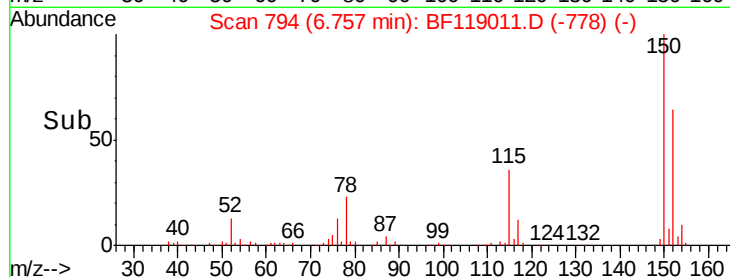
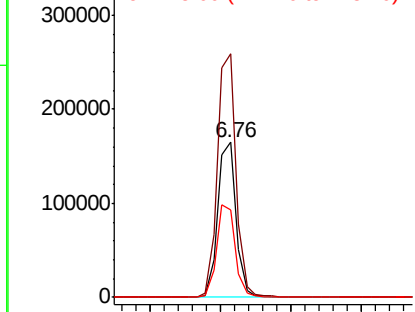
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.3	186.5
115	56.1	44.6	67.0



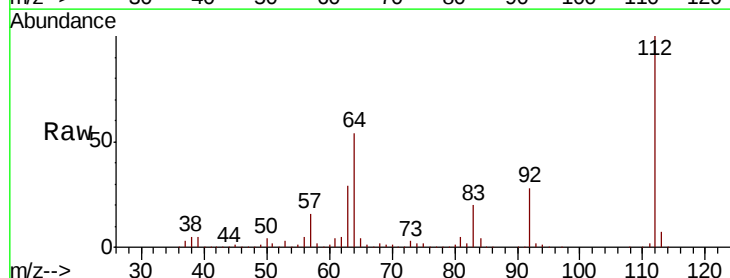
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



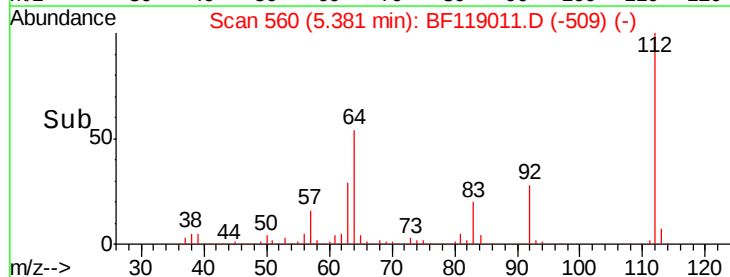
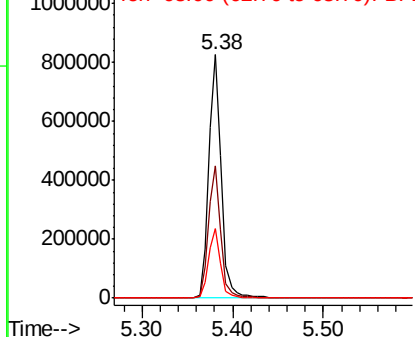
#5

2-Fluorophenol
Concen: 89.994 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	40.4	60.6
63	28.6	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: 87.162 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119011.D

Acq: 22 Feb 2020 00:08

Instrument :

BNA_F

ClientSampleId :

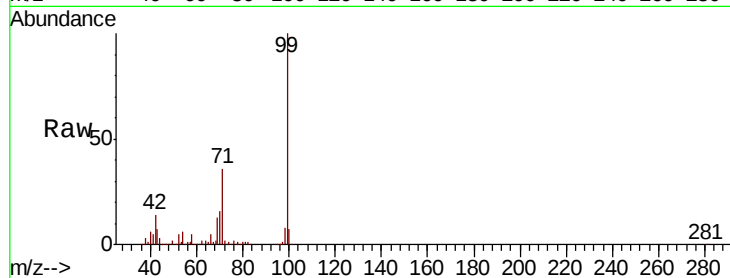
Tot Ion: 99 Resp: 951618

Ion Ratio Lower Upper

99 100

42 13.7 11.4 17.0

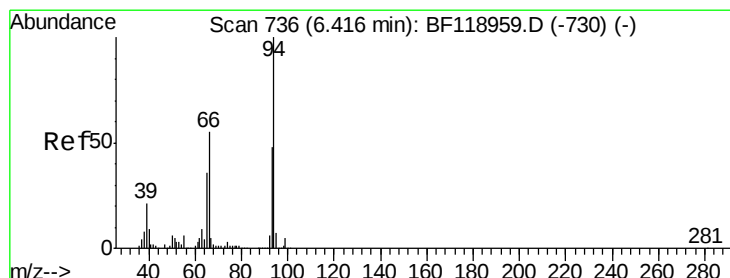
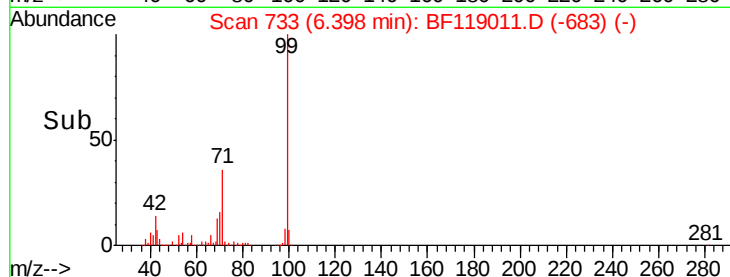
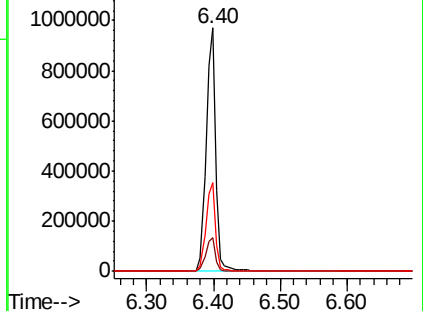
71 36.4 29.8 44.6



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



#10

Phenol

Concen: 2.095 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF119011.D

Acq: 22 Feb 2020 00:08

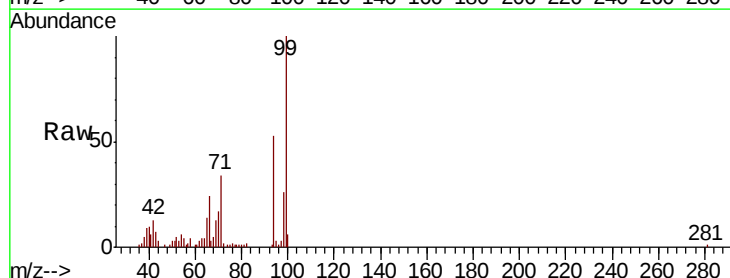
Tgt Ion: 94 Resp: 24729

Ion Ratio Lower Upper

94 100

65 26.0 15.5 55.5

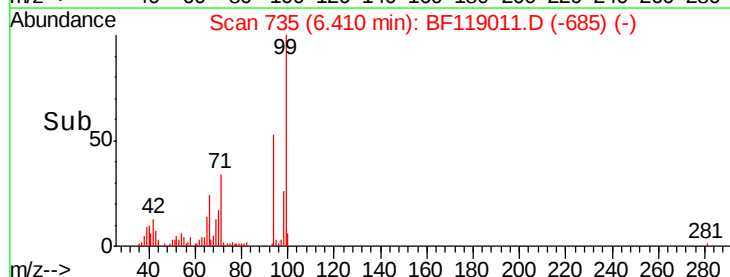
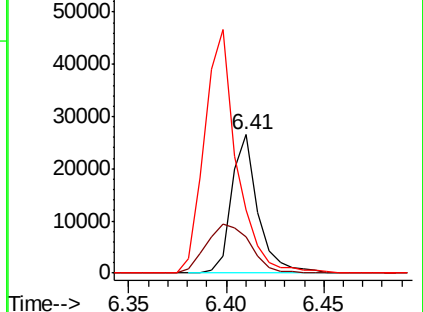
66 45.4 35.6 75.6

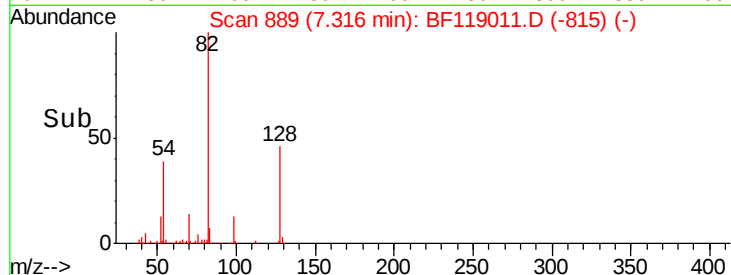
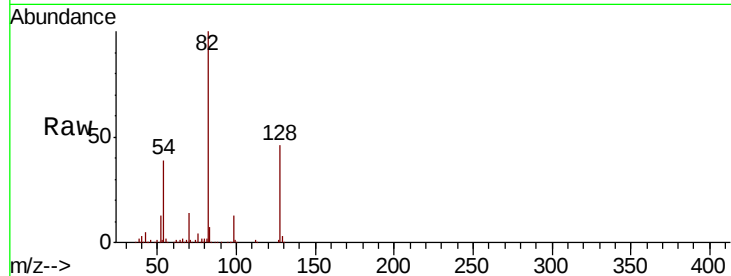


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

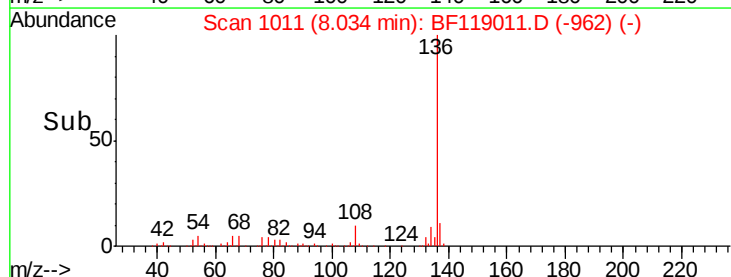
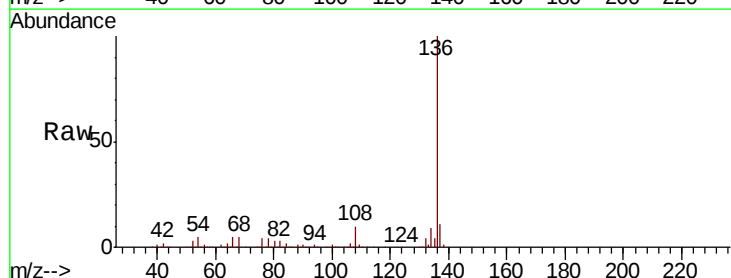
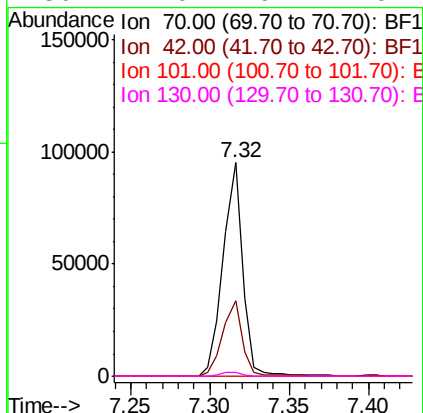




#19
n-Nitroso-di-n-propylamine
Concen: 12.941 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.14 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

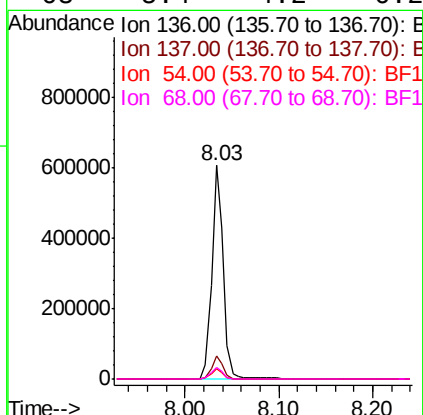
Instrument :
BNA_F
ClientSampleId :

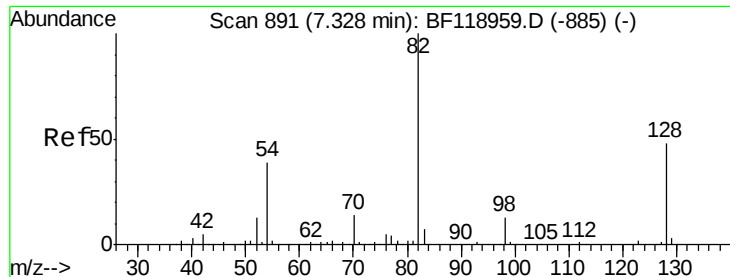
Tot Ion	Ratio	Lower	Upper
70	100		
42	35.3	34.6	51.8
101	0.0	8.1	12.1#
130	2.0	19.4	29.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.0	3.8	5.6
68	5.4	4.2	6.2





#23

Nitrobenzene-d5

Concen: 60.155 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF119011.D

Acq: 22 Feb 2020 00:08

Instrument :

BNA_F

ClientSampled :

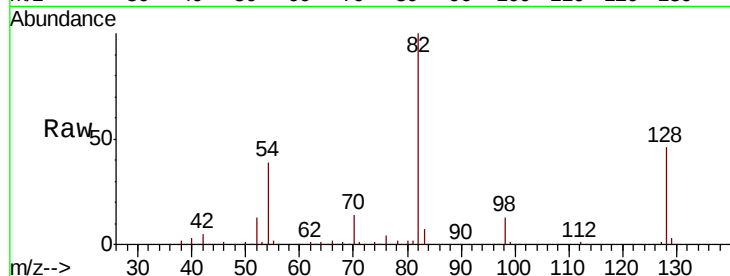
Tot Ion: 82 Resp: 599887

Ion Ratio Lower Upper

82 100

128 46.5 38.2 57.2

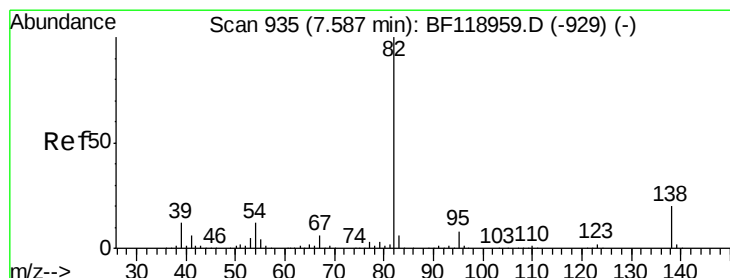
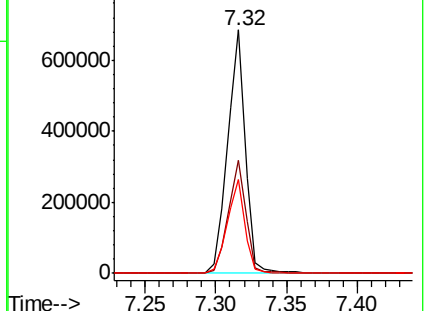
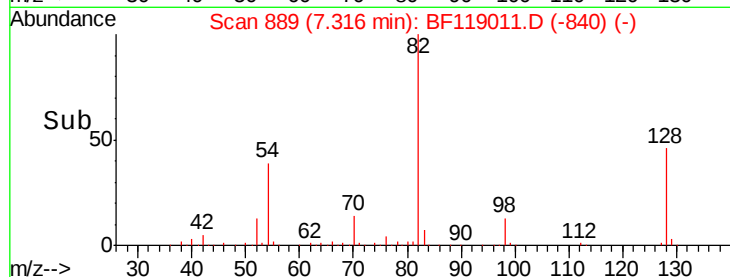
54 38.5 31.3 46.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 34.637 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119011.D

Acq: 22 Feb 2020 00:08

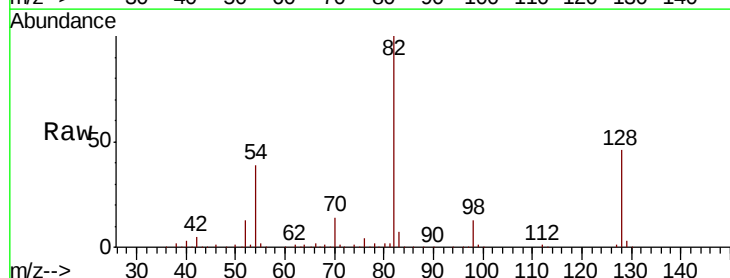
Tgt Ion: 82 Resp: 599876

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

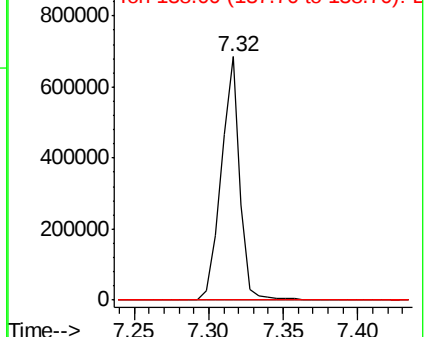
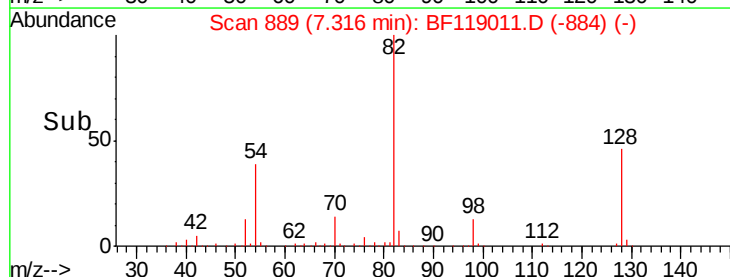
138 0.0 15.8 23.6#

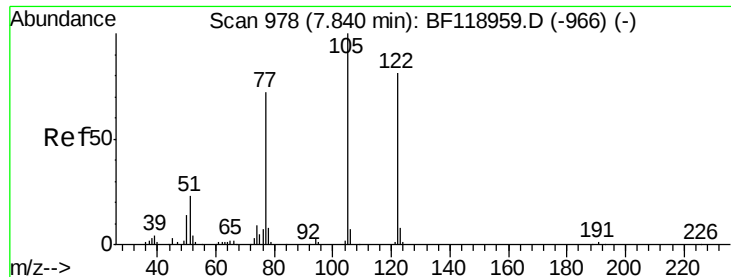


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 6.698 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF119011.D

Acq: 22 Feb 2020 00:08

Instrument :

BNA_F

ClientSampleId :

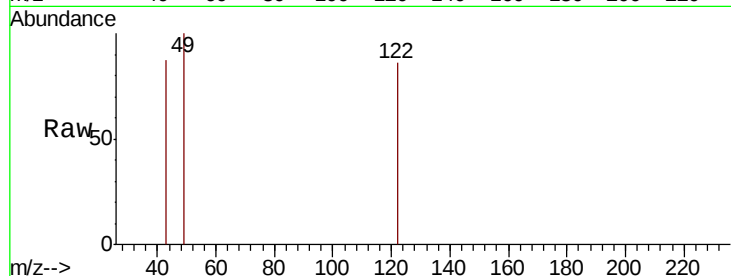
Tot Ion:122 Resp: 106

Ion Ratio Lower Upper

122 100

105 0.0 102.2 142.2#

77 0.0 68.6 108.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

500

400

300

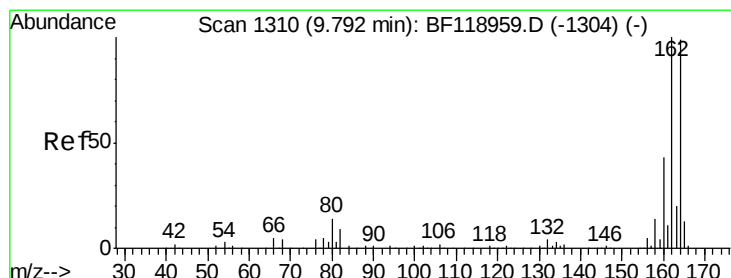
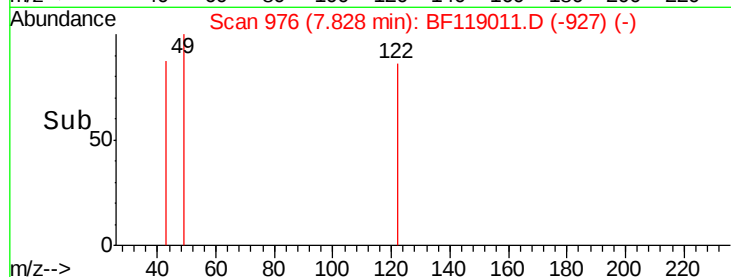
200

100

0

7.81 7.82 7.83 7.84

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119011.D

Acq: 22 Feb 2020 00:08

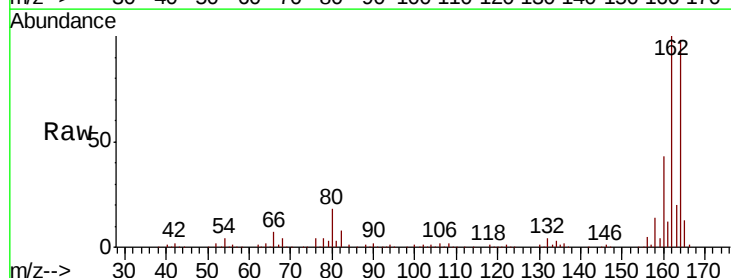
Tgt Ion:164 Resp: 250806

Ion Ratio Lower Upper

164 100

162 101.5 81.2 121.8

160 43.8 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

400000

300000

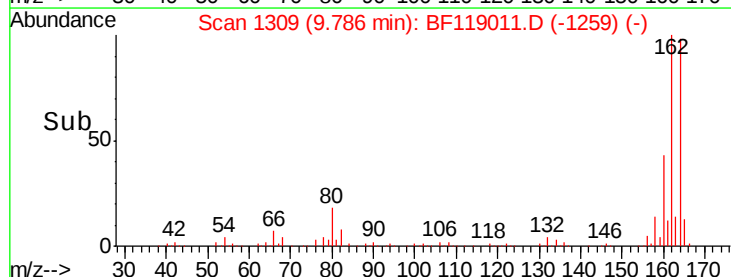
200000

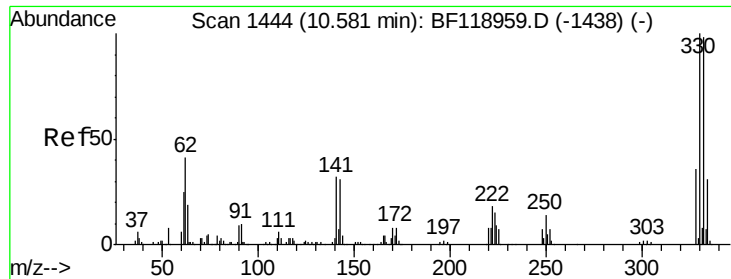
100000

0

9.75 9.80 9.85

Time-->

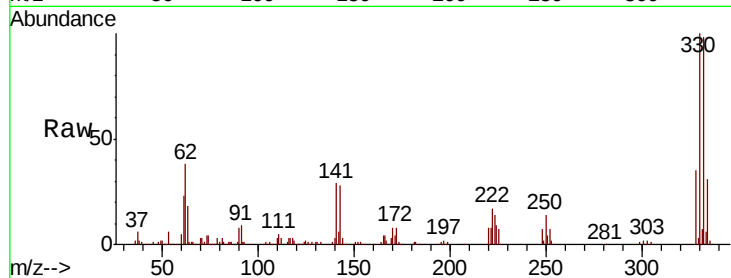




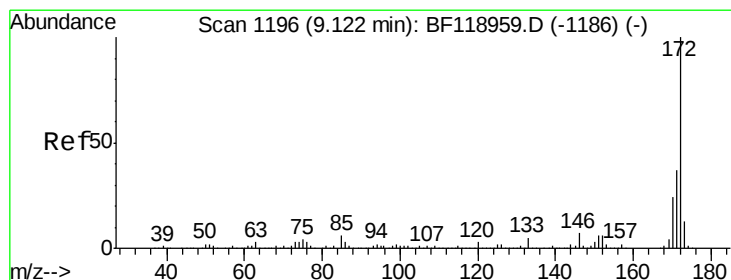
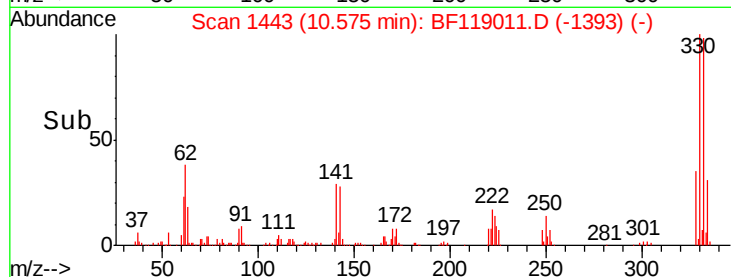
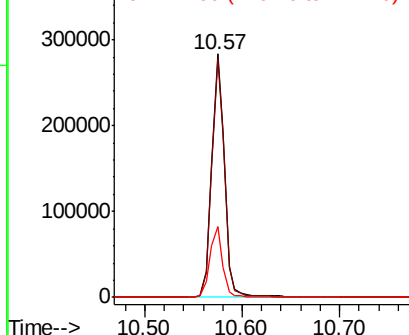
#42
 2,4,6-Tribromophenol
 Concen: 78.879 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119011.D
 Acq: 22 Feb 2020 00:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.1	115.7
141	28.5	23.0	34.6

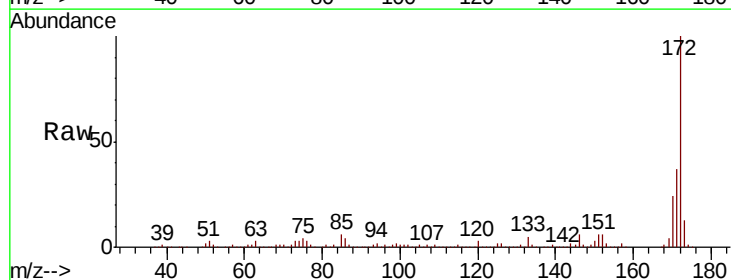


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

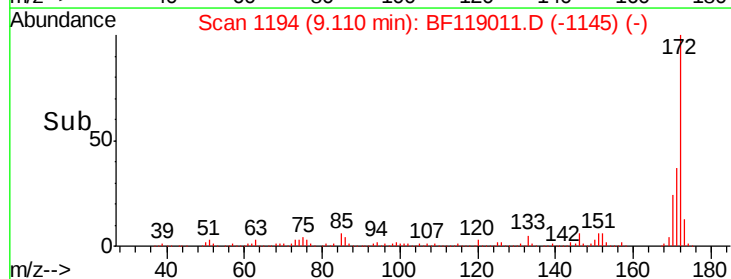
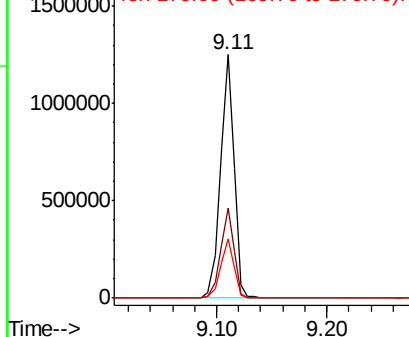


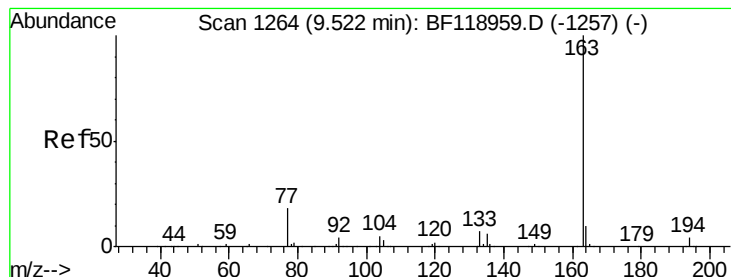
#45
 2-Fluorobiphenyl
 Concen: 63.302 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119011.D
 Acq: 22 Feb 2020 00:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.2
170	24.1	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: 5.857 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF119011.D

Acq: 22 Feb 2020 00:08

Instrument :

BNA_F

ClientSampleId :

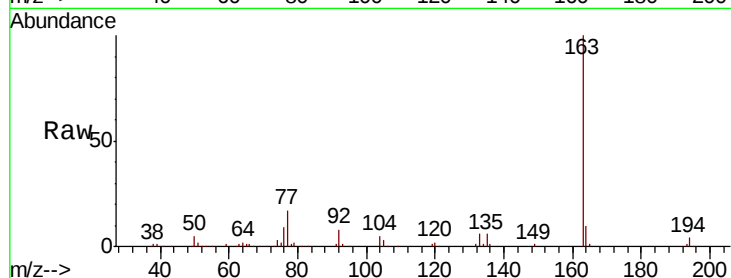
Tot Ion:163 Resp: 112325

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

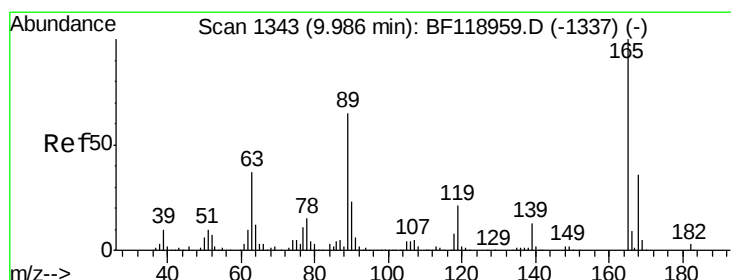
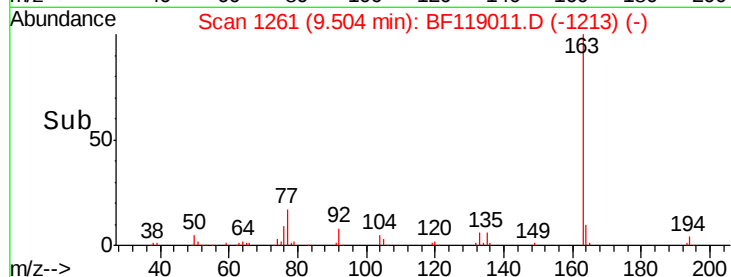
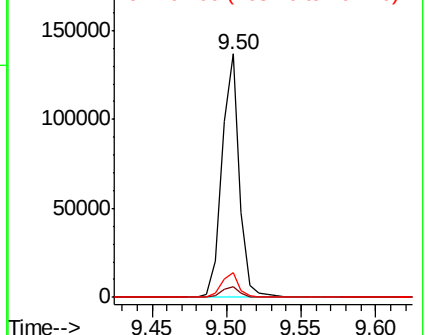
164 10.2 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 5.819 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF119011.D

Acq: 22 Feb 2020 00:08

Tgt Ion:165 Resp: 32138

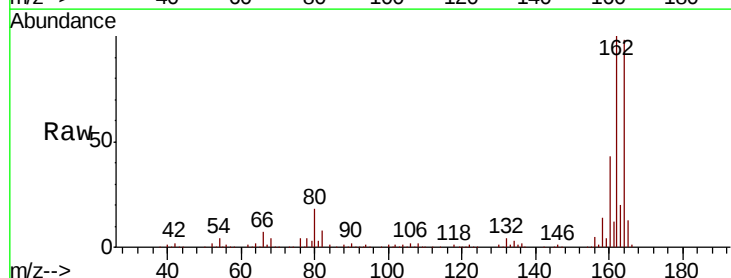
Ion Ratio Lower Upper

165 100

63 1.3 29.8 44.8#

89 1.9 51.9 77.9#

182 0.0 2.3 3.5#

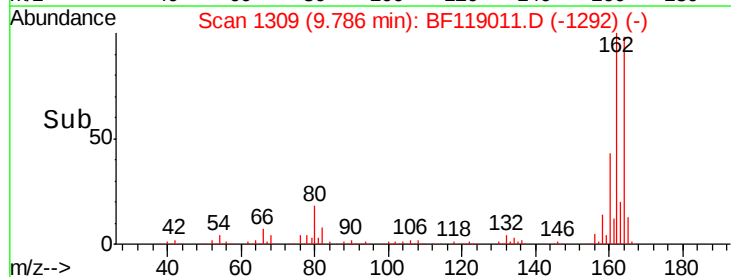
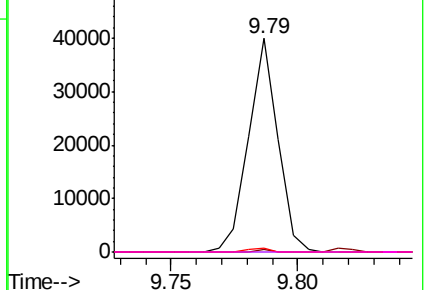


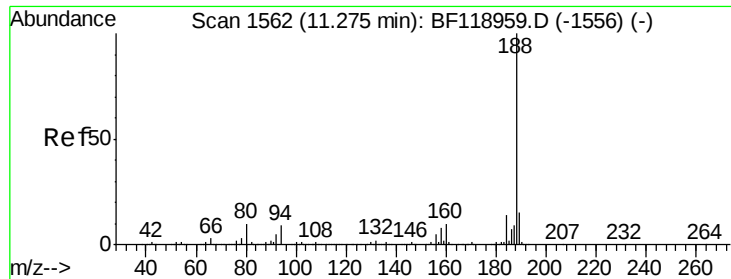
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

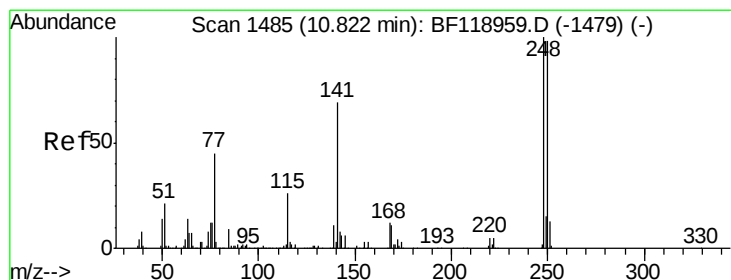
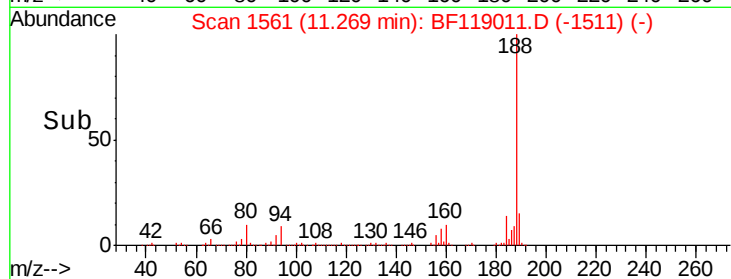
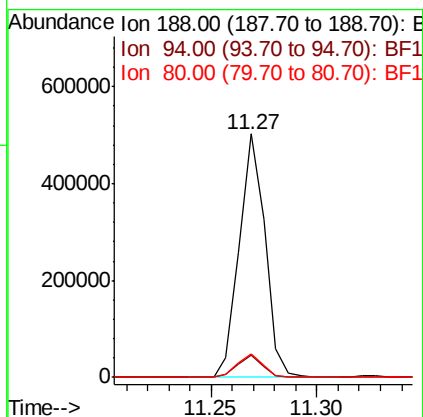
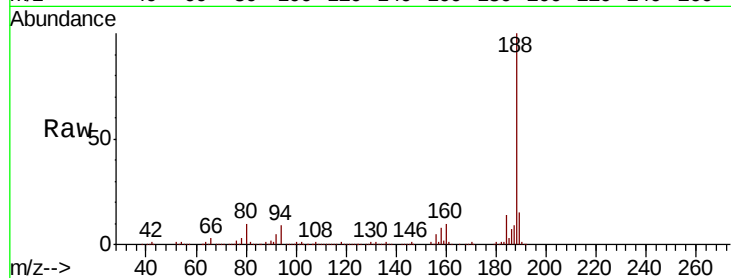




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

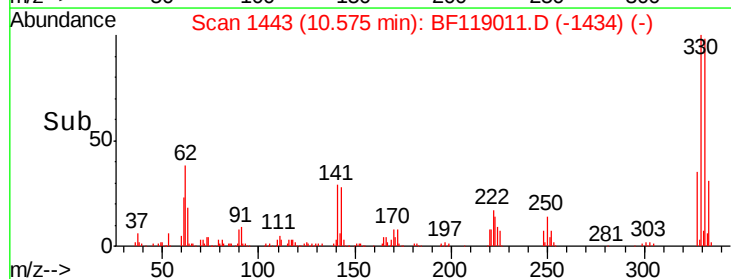
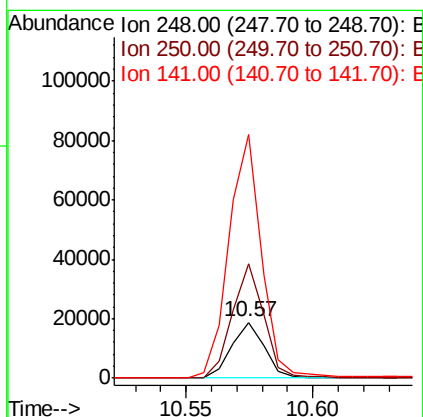
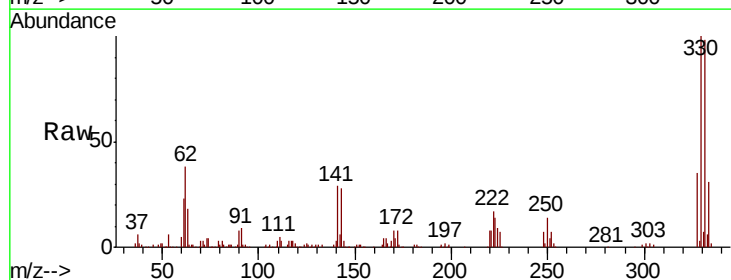
Instrument :
BNA_F
ClientSampleId :

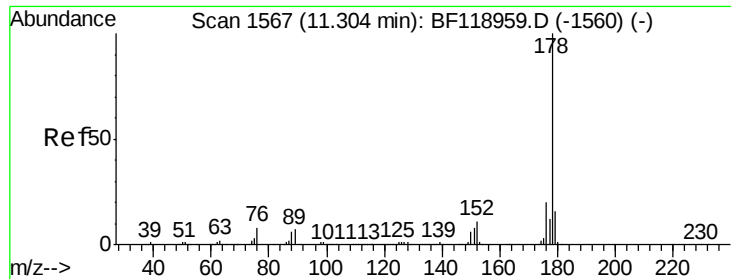
Tot Ion:188 Resp: 425132
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 9.5 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.994 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Tgt Ion:248 Resp: 16638
Ion Ratio Lower Upper
248 100
250 206.7 78.8 118.2#
141 438.8 55.3 82.9#

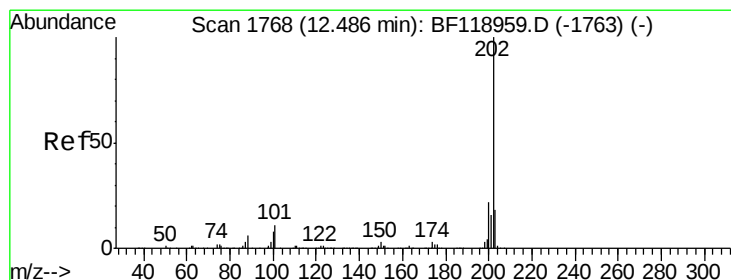
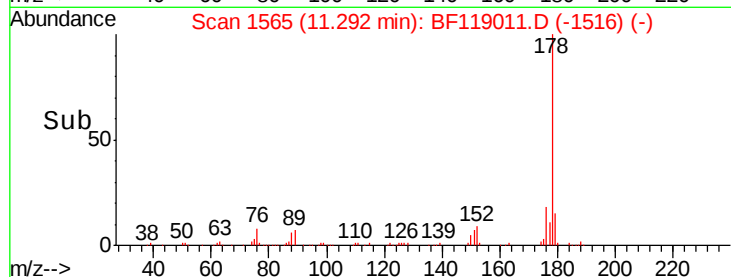
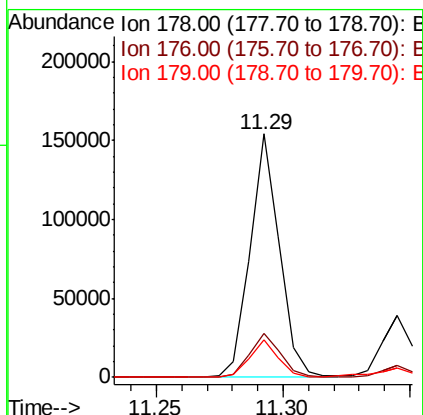
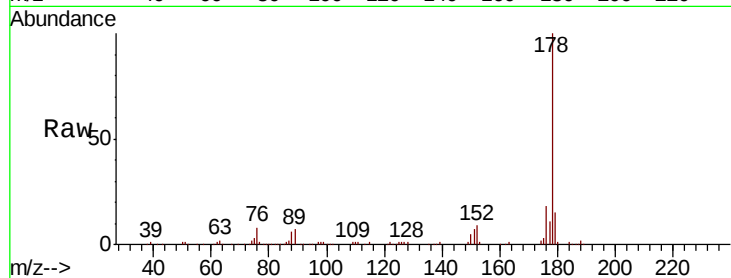




#71
Phenanthrene
Concen: 5.375 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

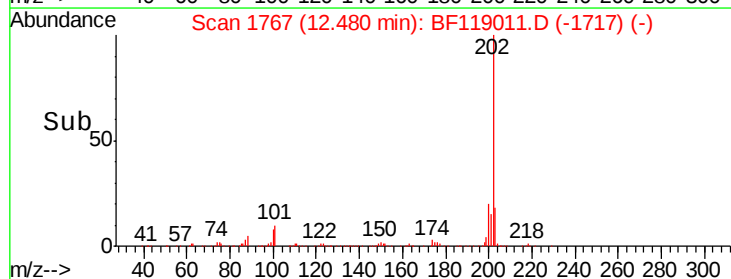
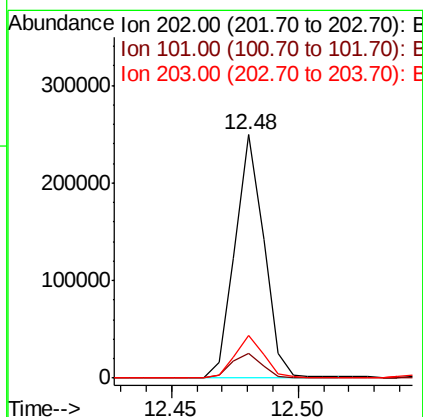
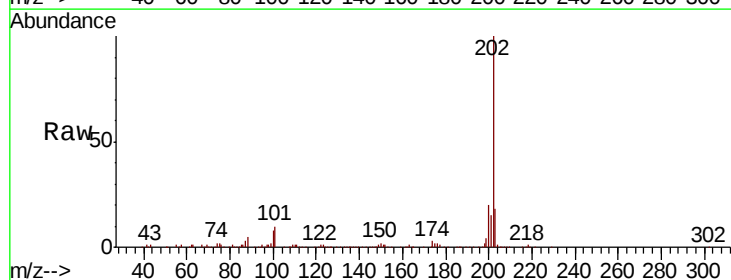
Instrument :
BNA_F
ClientSampleId :

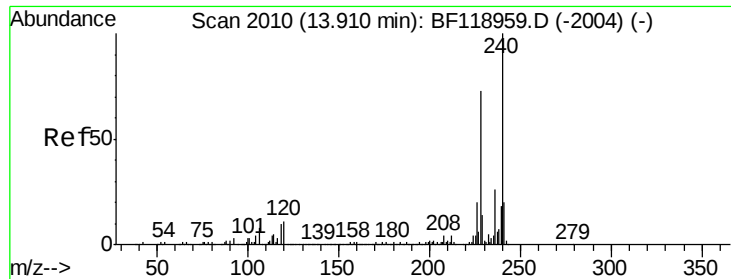
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.2	12.6	18.8



#75
Fluoranthene
Concen: 8.102 ng
RT: 12.48 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.7	0.0	38.1

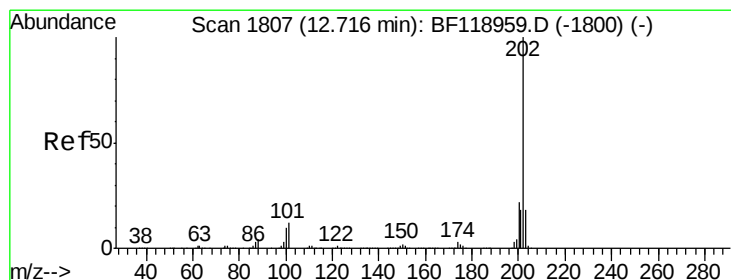
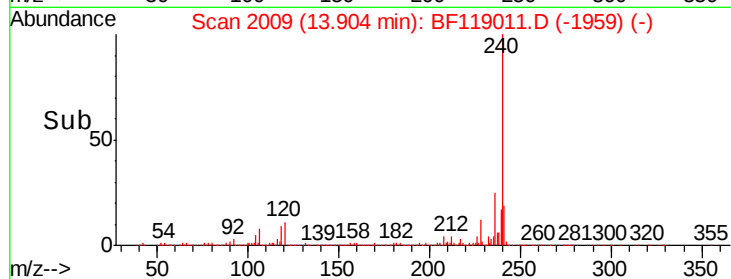
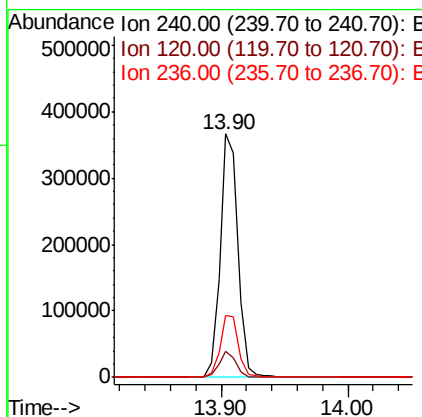
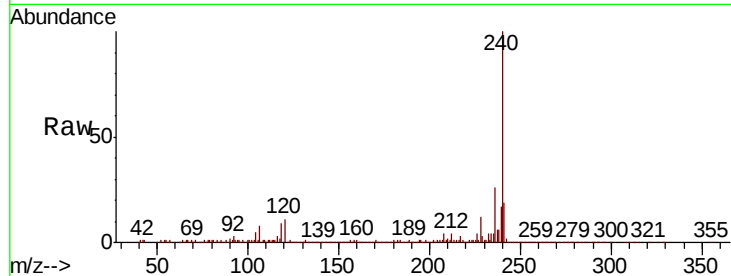




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

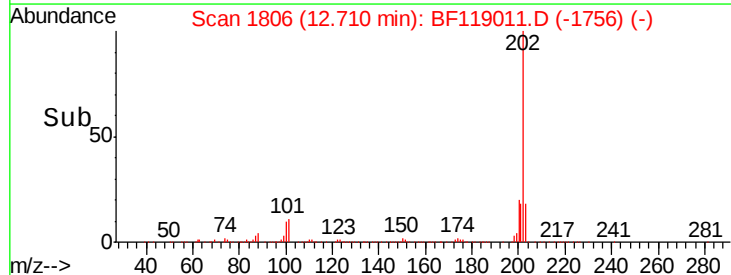
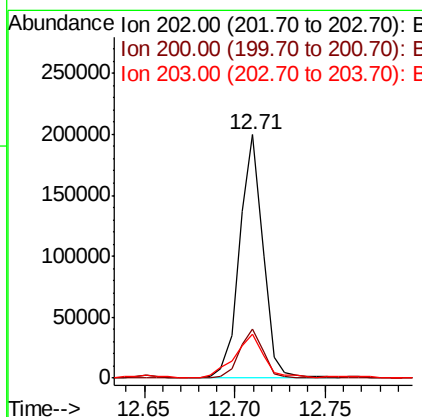
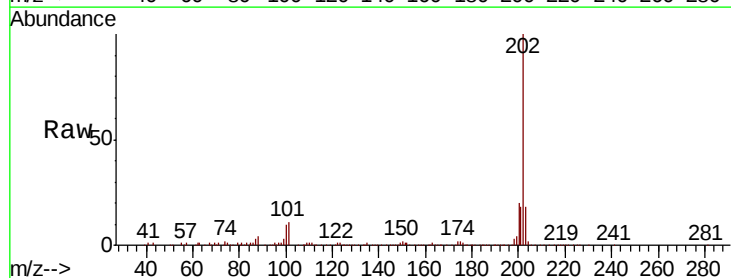
Instrument :
BNA_F
ClientSampleId :

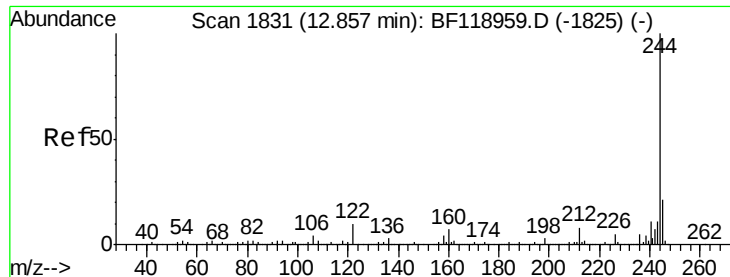
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	25.6	20.6	30.8



#78
Pyrene
Concen: 6.246 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.0
203	18.2	14.5	21.7

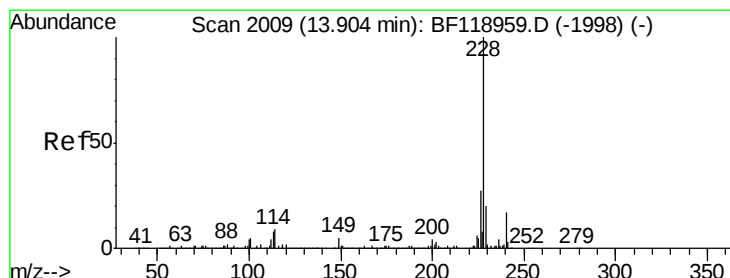
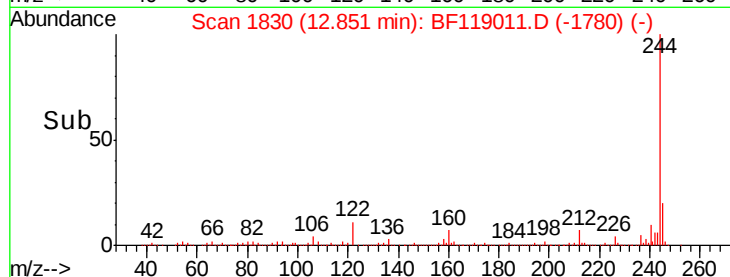
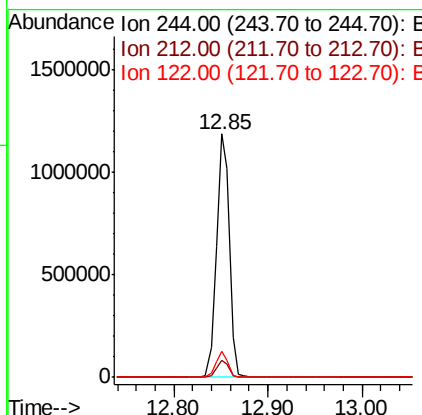
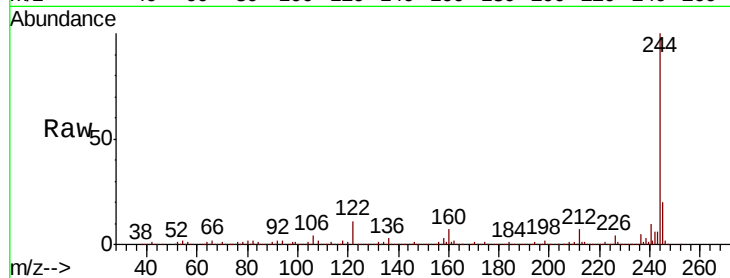




#79
 Terphenyl-d14
 Concen: 55.529 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF119011.D
 Acq: 22 Feb 2020 00:08

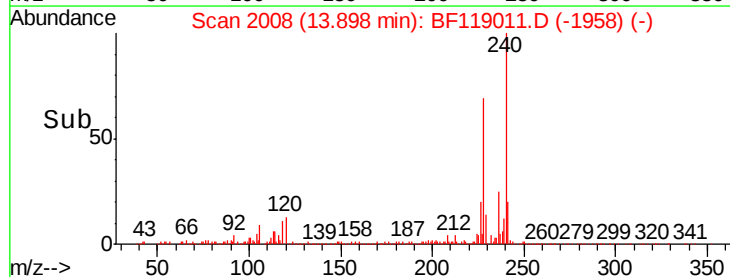
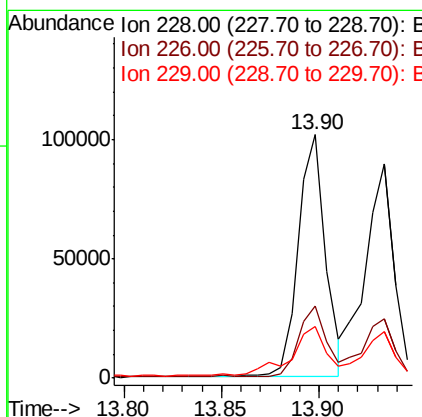
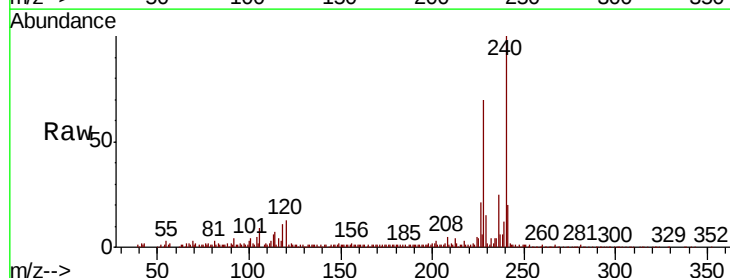
Instrument :
 BNA_F
 ClientSampleId :

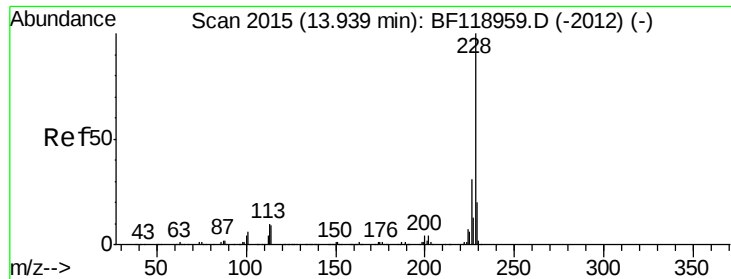
Tot Ion:244 Resp: 1143785
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.3 9.5
 122 10.7 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 4.071 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF119011.D
 Acq: 22 Feb 2020 00:08

Tgt Ion:228 Resp: 98369
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.8 32.8
 229 21.1 16.0 24.0

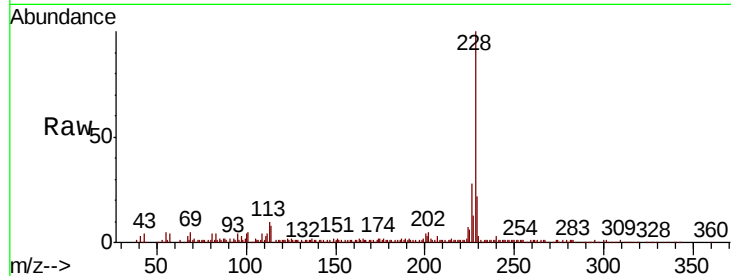




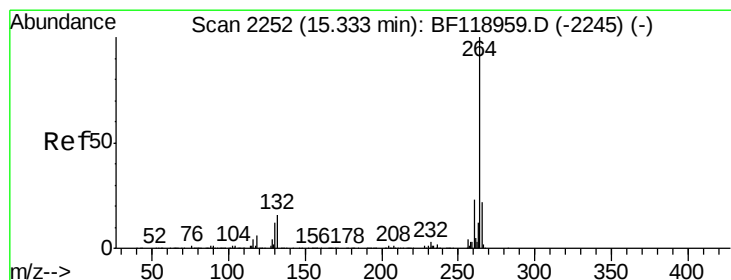
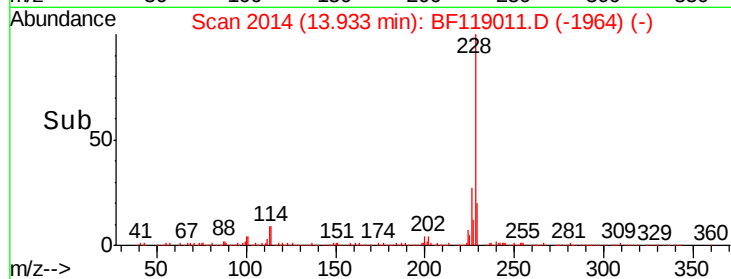
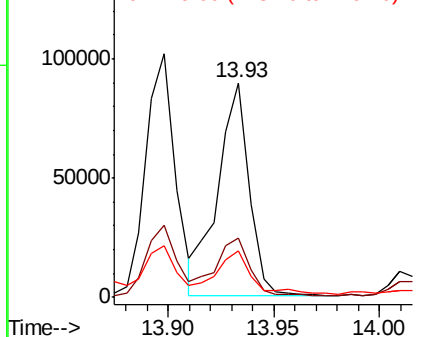
#83
Chrysene
Concen: 3.834 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.6	37.0
229	21.6	16.2	24.2

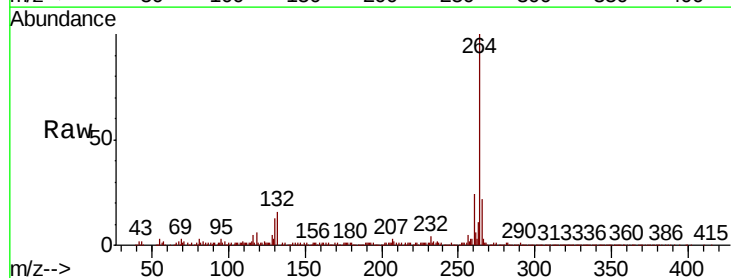


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

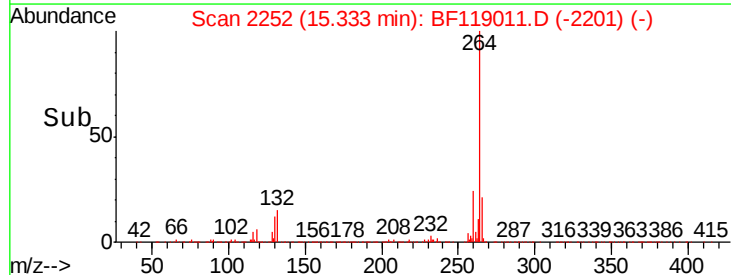
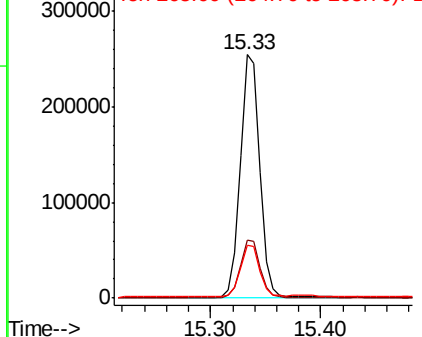


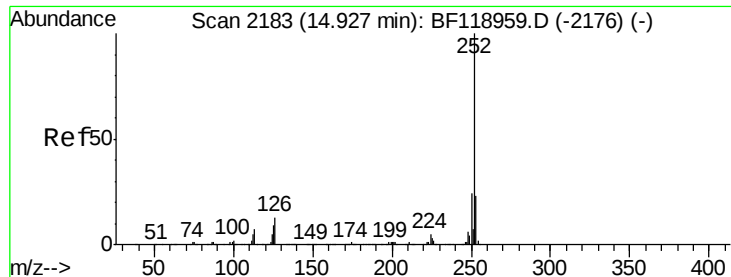
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.00 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.5	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

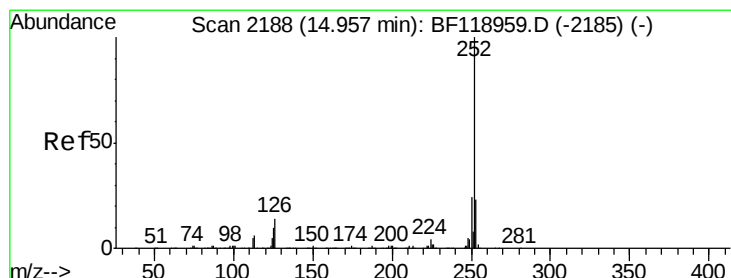
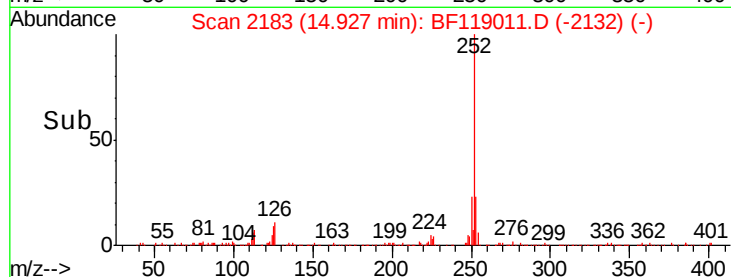
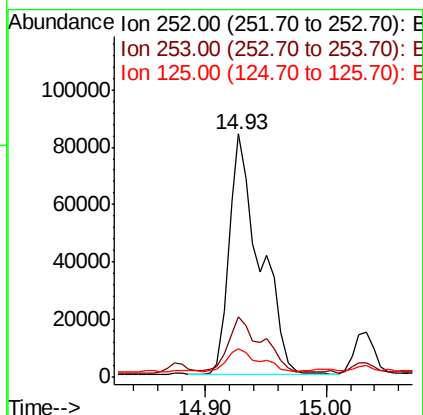
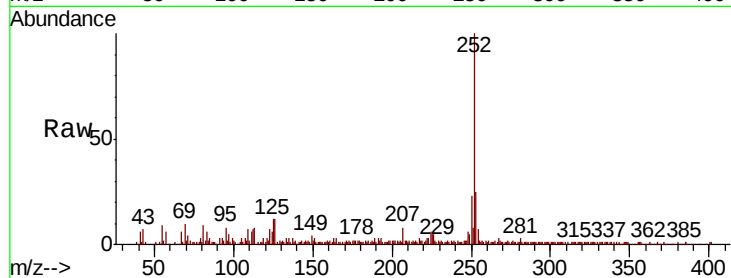




#88
Benzo(b)fluoranthene
Concen: 7.118 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

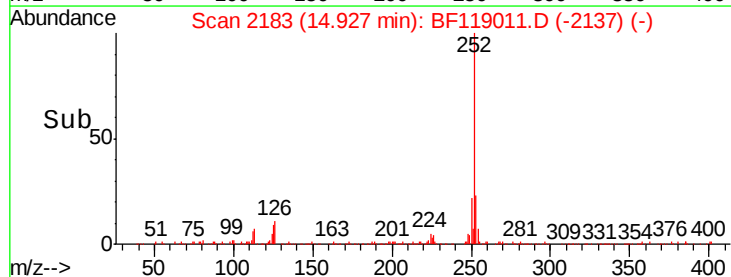
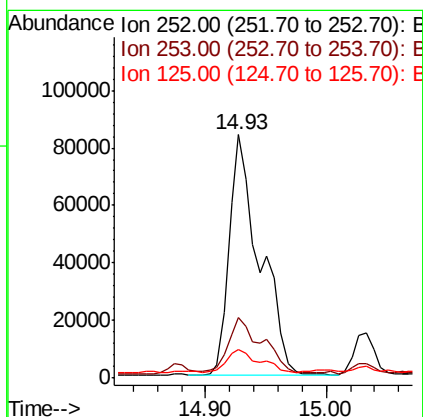
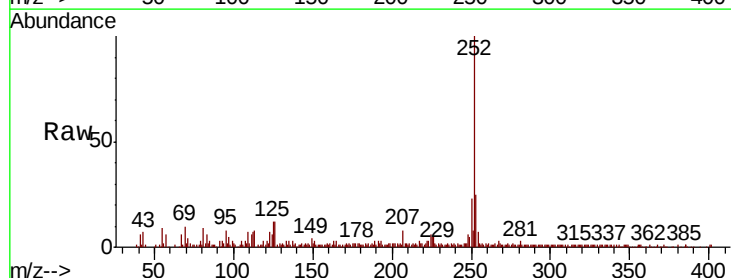
Instrument :
BNA_F
ClientSampleId :

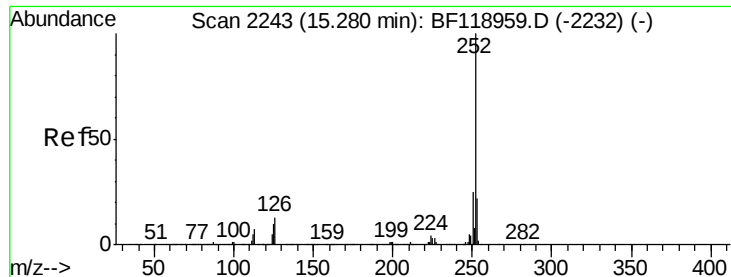
Tot Ion:252 Resp: 147709
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 11.8 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 7.680 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Tgt Ion:252 Resp: 147709
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 11.8 7.3 10.9#

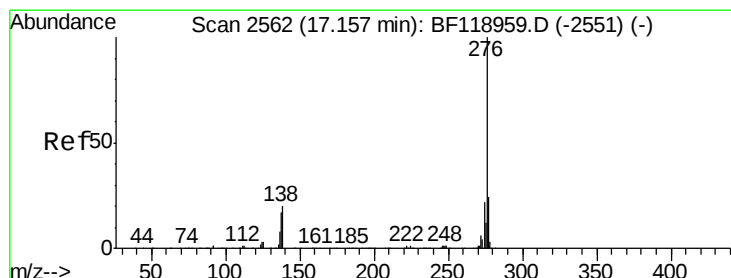
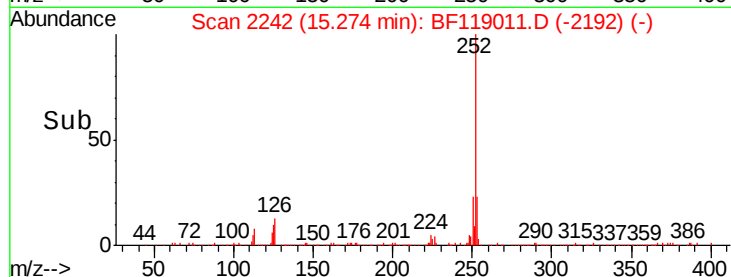
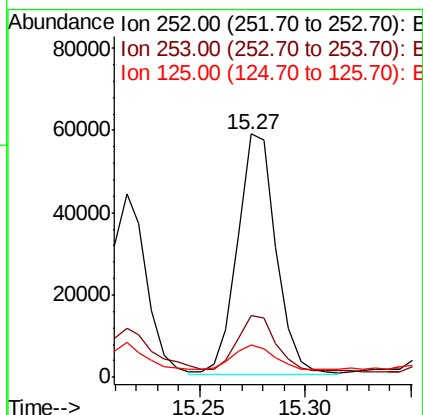
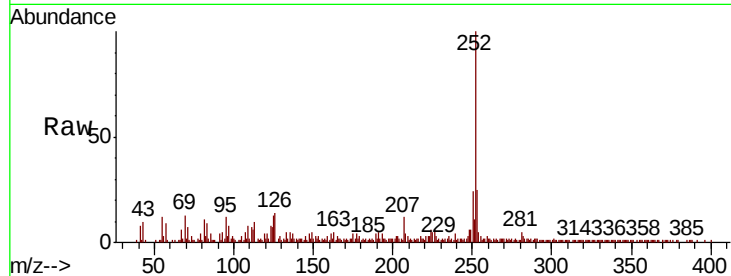




#90
Benzo(a)pyrene
Concen: 3.949 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 73964
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 13.2 7.8 11.6#



#92
Benzo(g,h,i)perylene
Concen: 2.353 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BF119011.D
Acq: 22 Feb 2020 00:08

Tgt Ion:276 Resp: 38321
Ion Ratio Lower Upper
276 100
277 27.8 19.2 28.8
138 25.2 16.2 24.4#

