

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF119010.D
 Acq On : 21 Feb 2020 23:39
 Operator : CG/JU
 Sample : L1626-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 02:24:06 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

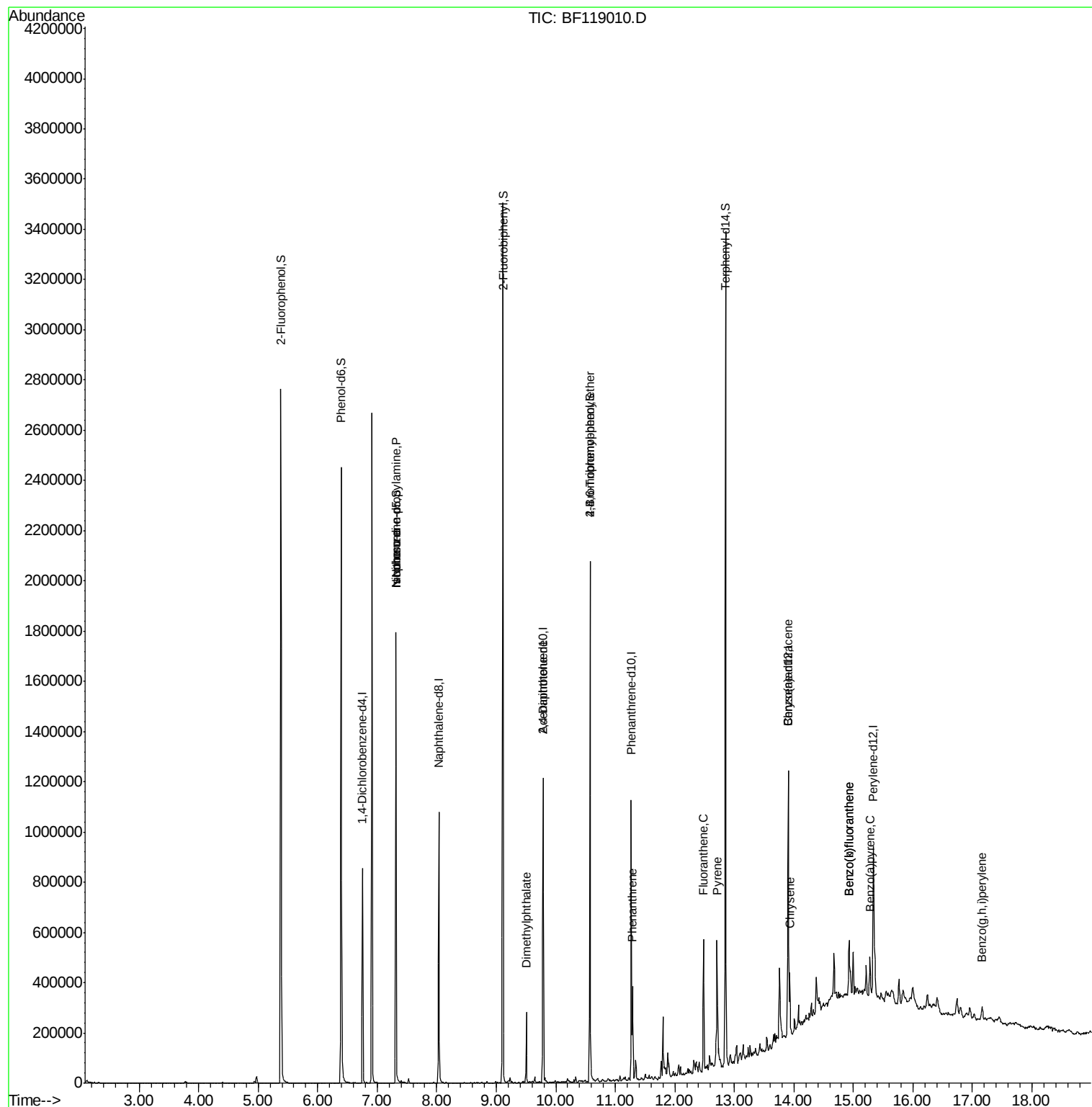
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	142139	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	489792	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	231136	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	403531	20.00	ng	0.00
76) Chrysene-d12	13.91	240	340401	20.00	ng	0.00
87) Perylene-d12	15.33	264	291710	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	813327	95.63	ng	0.00
7) Phenol-d6	6.40	99	923307	89.26	ng	0.00
23) Nitrobenzene-d5	7.32	82	596707	64.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	257888	85.29	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1043094	66.48	ng	-0.01
79) Terphenyl-d14	12.85	244	1148501	58.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	80787	13.403	ng	Qvalue # 75
25) Isophorone	7.32	82	596703	37.039	ng	# 63
50) Dimethylphthalate	9.50	163	105923	5.993	ng	99
57) 2,4-Dinitrotoluene	9.79	165	29601	5.816	ng	# 29
67) 4-Bromophenyl-phenylether	10.57	248	16425	3.114	ng	# 1
71) Phenanthrene	11.29	178	131936	5.995	ng	98
75) Fluoranthene	12.48	202	196758	8.423	ng	99
78) Pyrene	12.71	202	210640	7.706	ng	100
81) Benzo(a)anthracene	13.90	228	107526	4.636	ng	95
83) Chrysene	13.93	228	103766	4.490	ng	96
88) Benzo(b)fluoranthene	14.93	252	143455	7.461	ng	# 97
89) Benzo(k)fluoranthene	14.93	252	143455	8.051	ng	# 97
90) Benzo(a)pyrene	15.27	252	74314	4.282	ng	# 96
92) Benzo(a,h,i)perylene	17.16	276	36950	2.449	ng	93

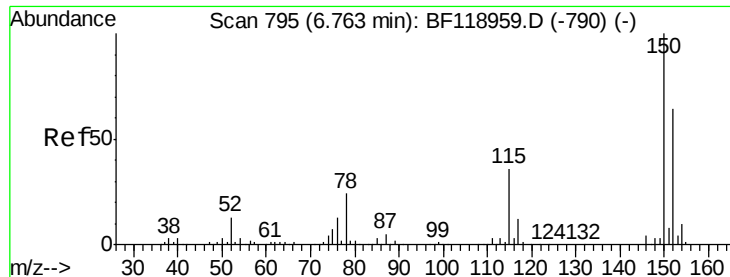
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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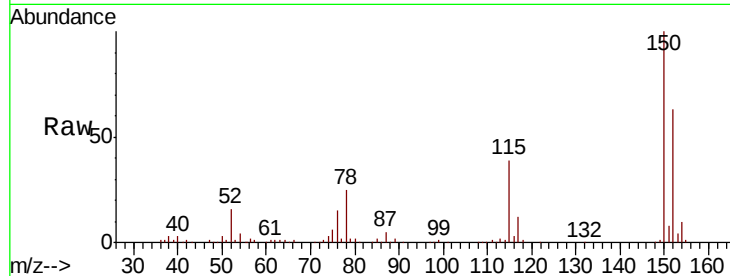


#1

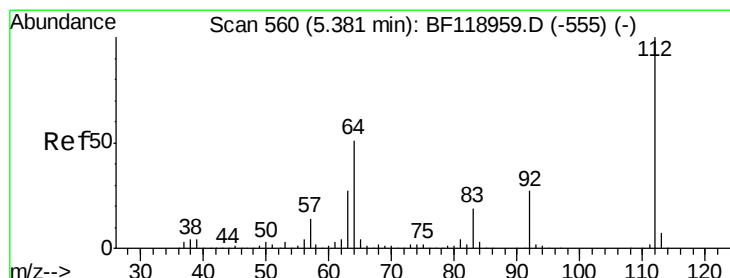
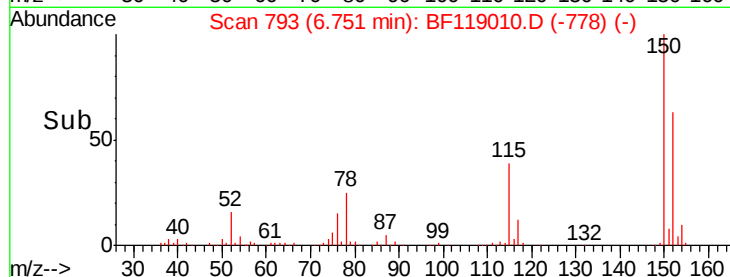
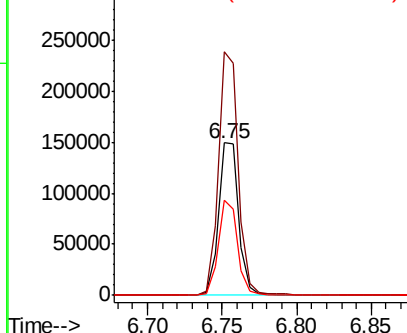
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142139
Ion Ratio Lower Upper
152 100
150 159.9 124.3 186.5
115 62.7 44.6 67.0



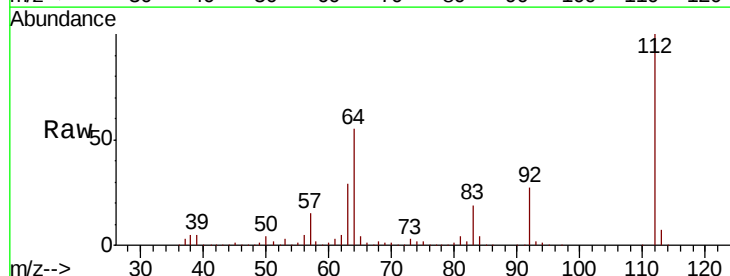
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



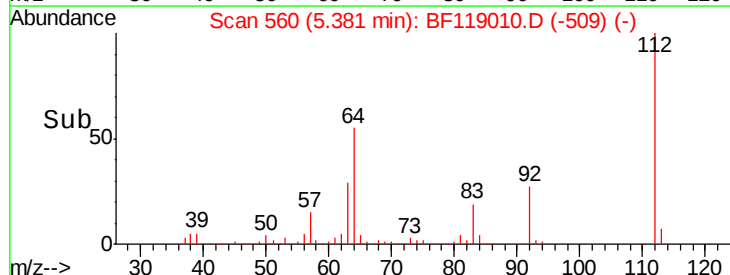
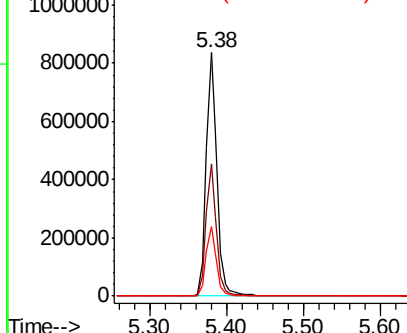
#5

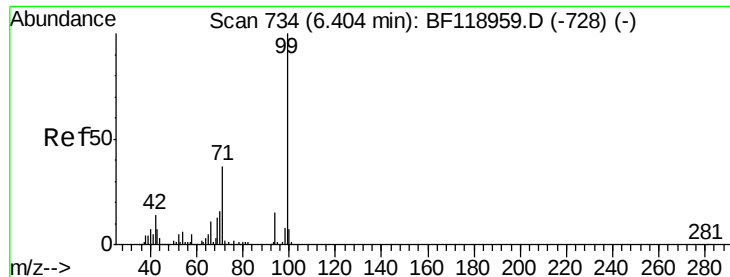
2-Fluorophenol
Concen: 95.626 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Tgt Ion:112 Resp: 813327
Ion Ratio Lower Upper
112 100
64 54.5 40.4 60.6
63 28.8 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: 89.260 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119010.D

Acq: 21 Feb 2020 23:39

Instrument :

BNA_F

ClientSampleId :

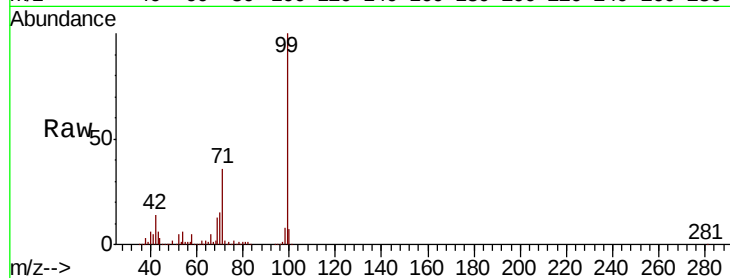
Tot Ion: 99 Resp: 923307

Ion Ratio Lower Upper

99 100

42 13.8 11.4 17.0

71 36.3 29.8 44.6

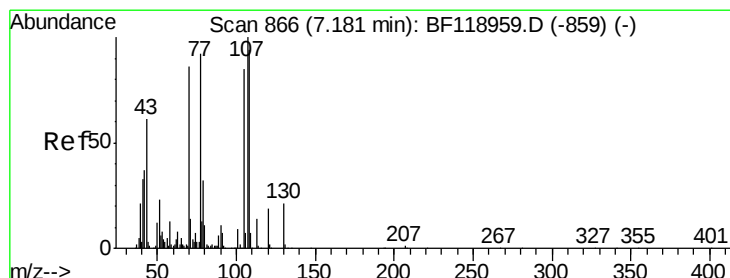
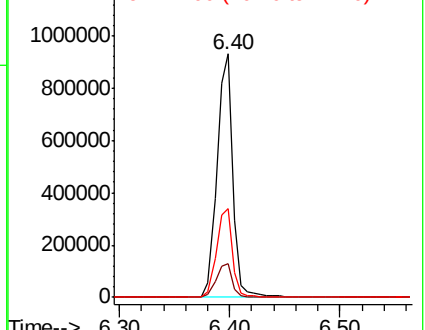
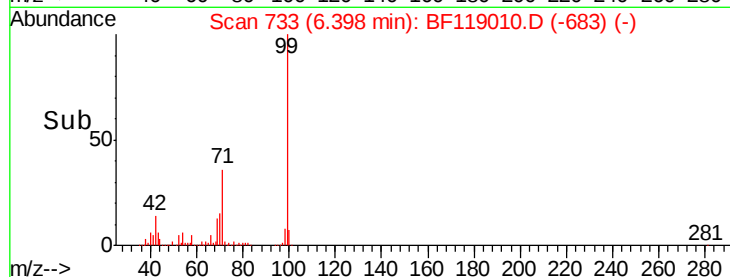


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 13.403 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119010.D

Acq: 21 Feb 2020 23:39

Tgt Ion: 70 Resp: 80787

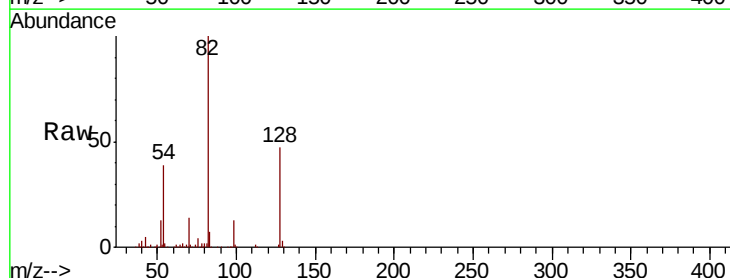
Ion Ratio Lower Upper

70 100

42 34.9 34.6 51.8

101 0.0 8.1 12.1#

130 2.3 19.4 29.2#



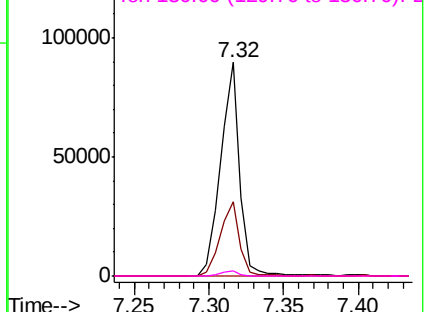
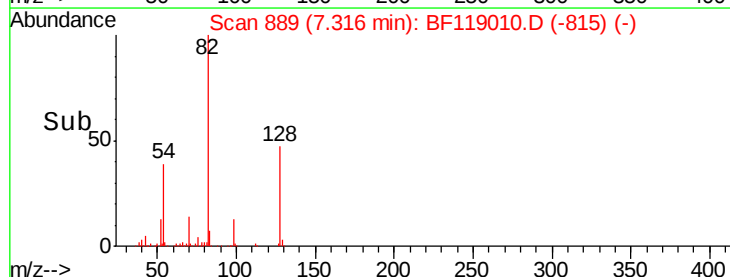
Abundance

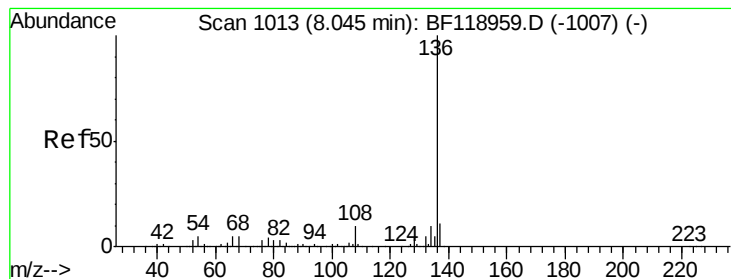
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119010.D

Acq: 21 Feb 2020 23:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 489792

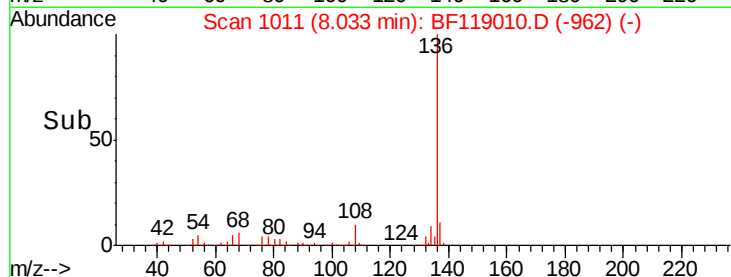
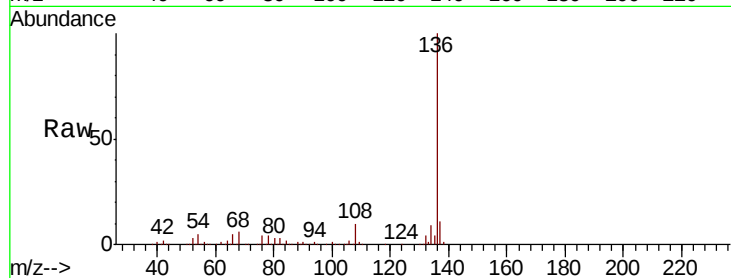
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 5.1 3.8 5.6

68 5.7 4.2 6.2

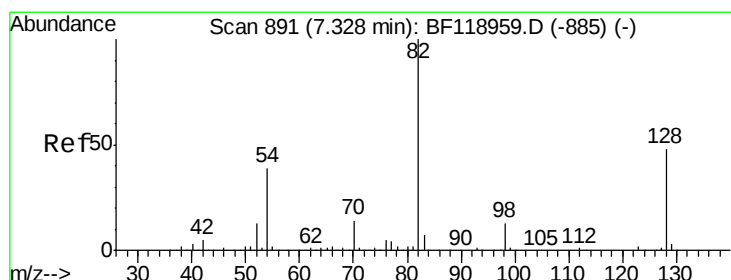
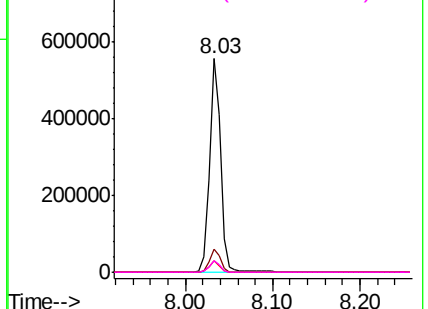


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.326 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF119010.D

Acq: 21 Feb 2020 23:39

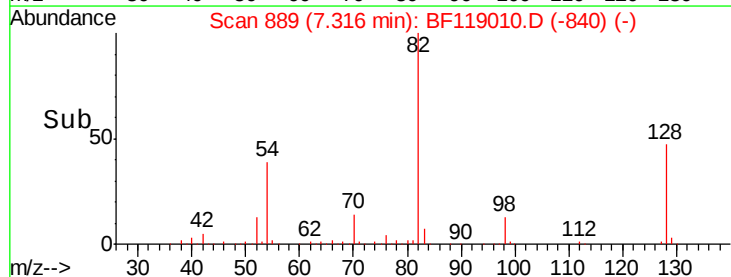
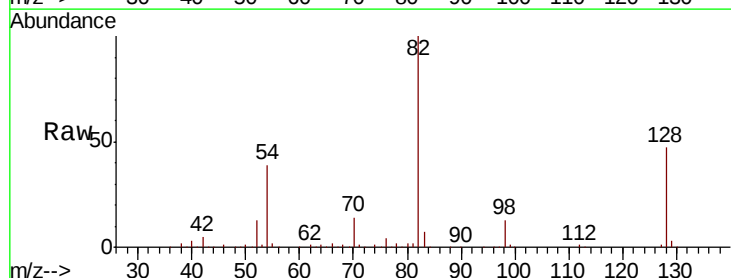
Tgt Ion: 82 Resp: 596707

Ion Ratio Lower Upper

82 100

128 46.8 38.2 57.2

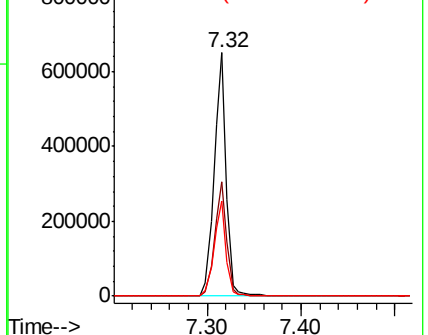
54 39.0 31.3 46.9

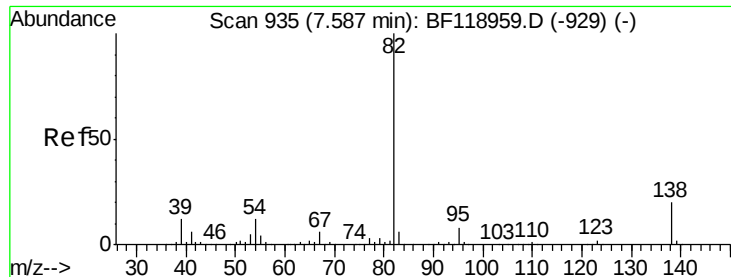


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.039 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119010.D

Acq: 21 Feb 2020 23:39

Instrument :

BNA_F

ClientSampled :

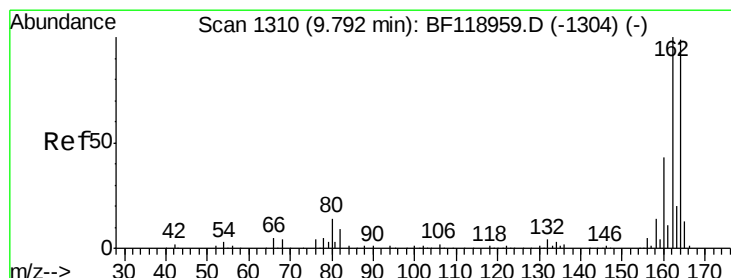
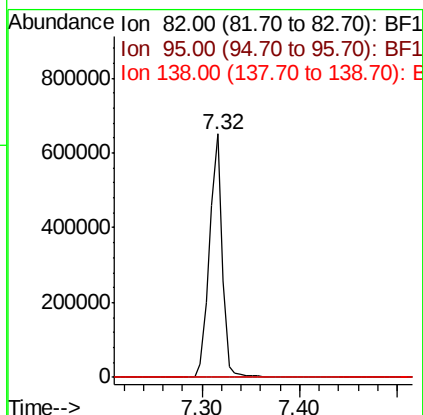
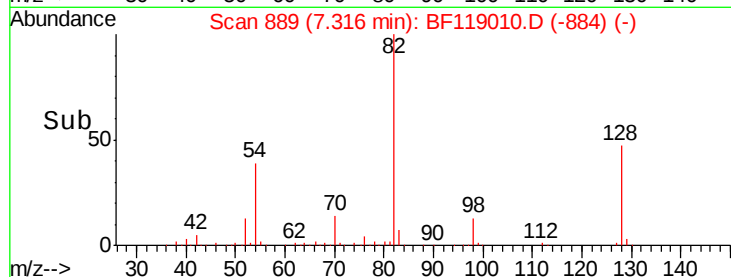
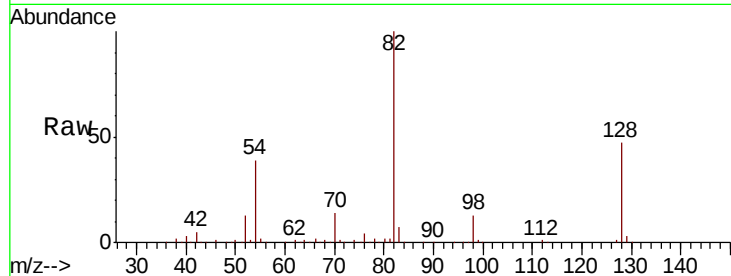
Tot Ion: 82 Resp: 596703

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 15.8 23.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119010.D

Acq: 21 Feb 2020 23:39

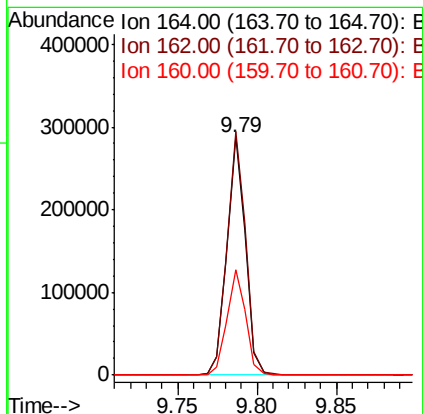
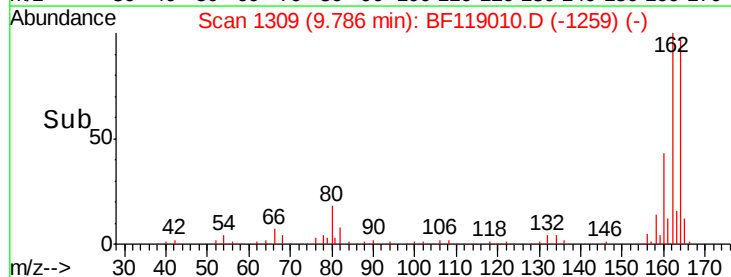
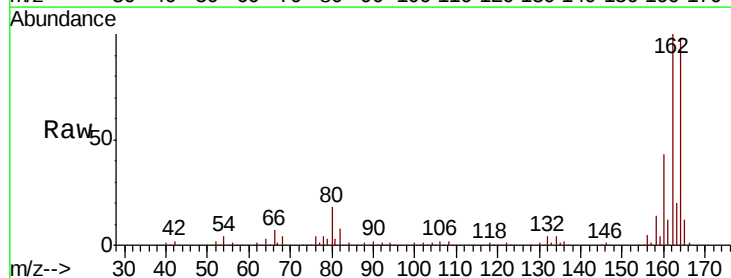
Tgt Ion: 164 Resp: 231136

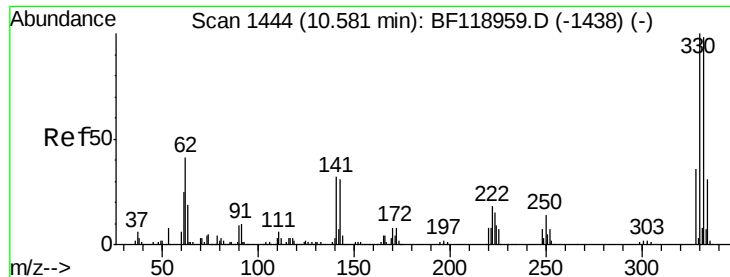
Ion Ratio Lower Upper

164 100

162 102.2 81.2 121.8

160 44.2 35.2 52.8

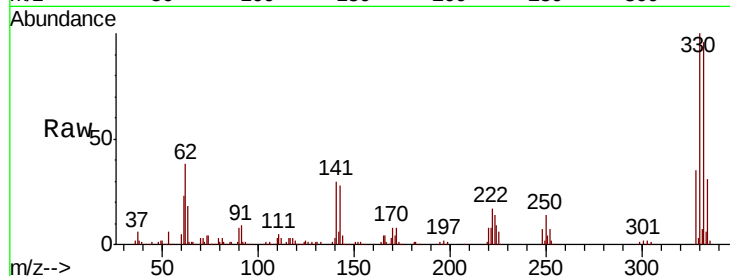




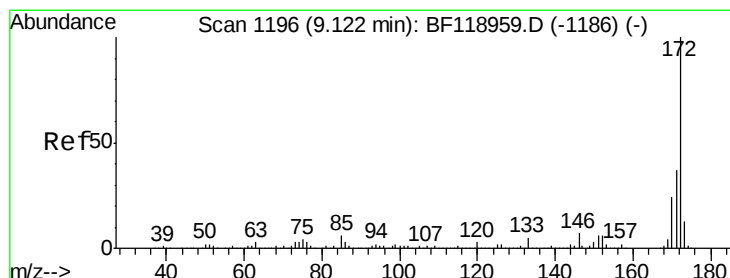
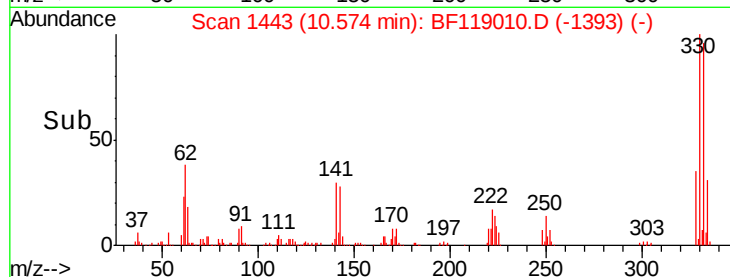
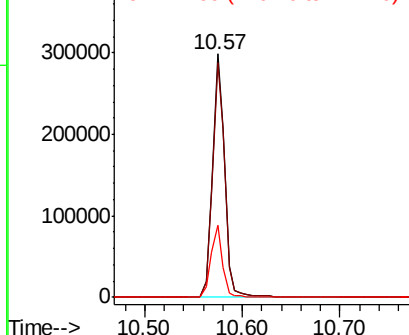
#42
 2,4,6-Tribromophenol
 Concen: 85.290 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119010.D
 Acq: 21 Feb 2020 23:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 257888
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.1 115.7
 141 28.5 23.0 34.6

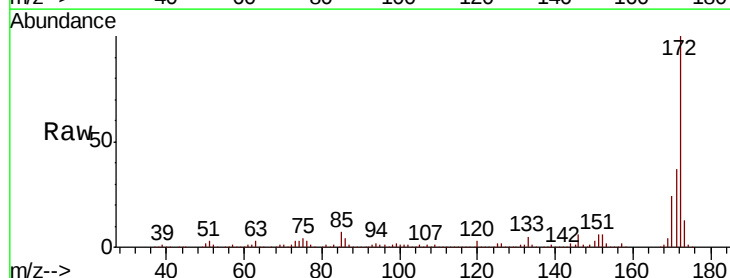


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

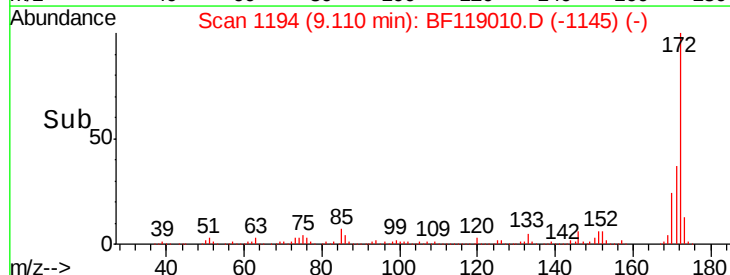
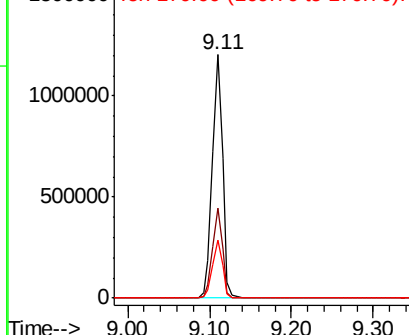


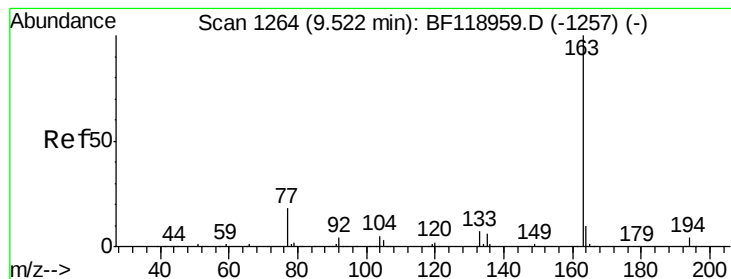
#45
 2-Fluorobiphenyl
 Concen: 66.483 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119010.D
 Acq: 21 Feb 2020 23:39

Tgt Ion:172 Resp: 1043094
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.2
 170 23.9 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





#50

Dimethylphthalate

Concen: 5.993 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF119010.D

Acq: 21 Feb 2020 23:39

Instrument :

BNA_F

ClientSampleId :

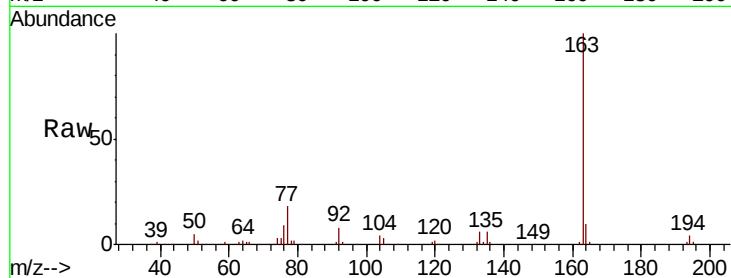
Tot Ion:163 Resp: 105923

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

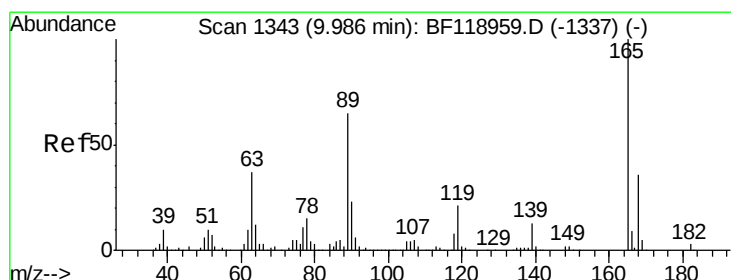
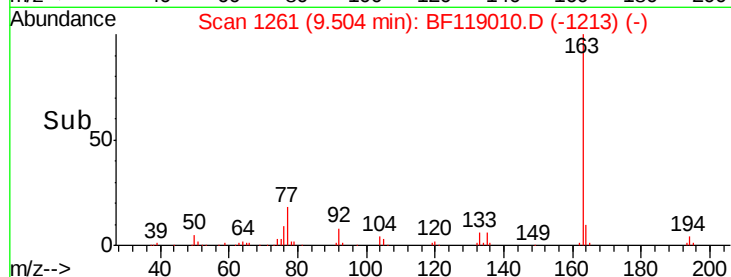
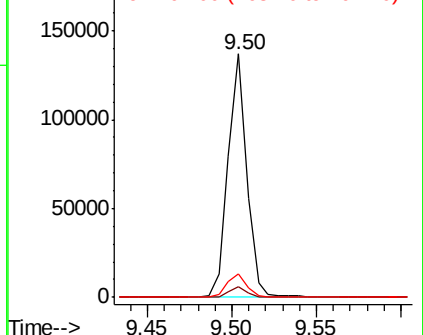
164 9.9 8.2 12.2



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: 5.816 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF119010.D

Acq: 21 Feb 2020 23:39

Tgt Ion:165 Resp: 29601

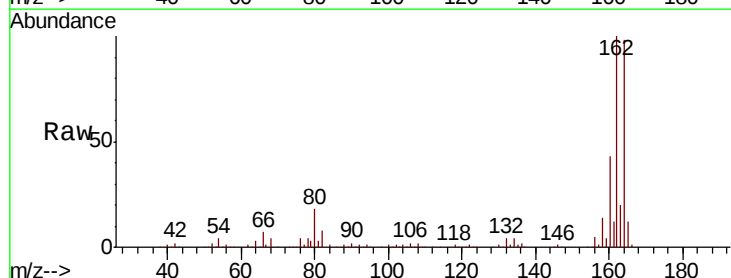
Ion Ratio Lower Upper

165 100

63 1.3 29.8 44.8#

89 1.5 51.9 77.9#

182 0.0 2.3 3.5#

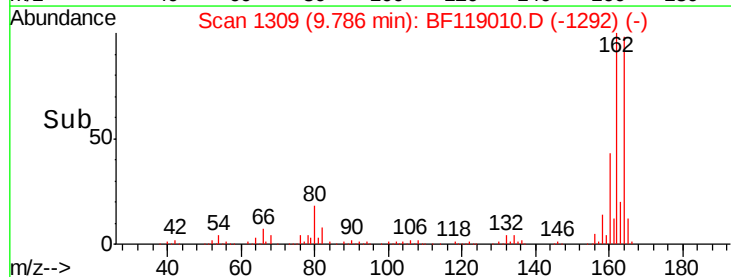
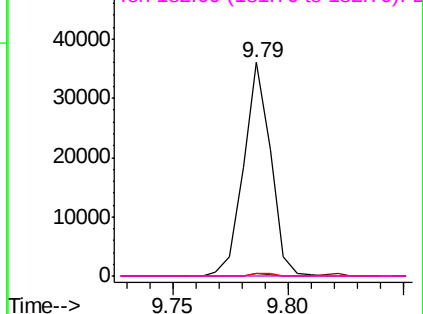


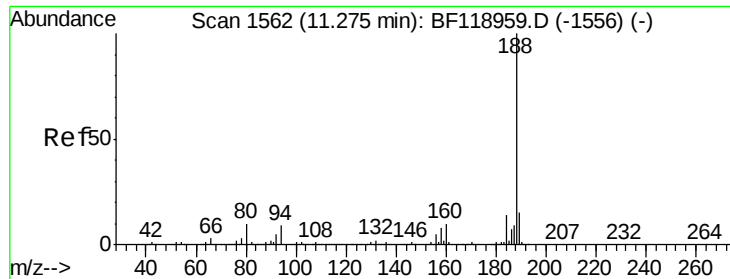
Abundance Ion 165.00 (164.70 to 165.70): E

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

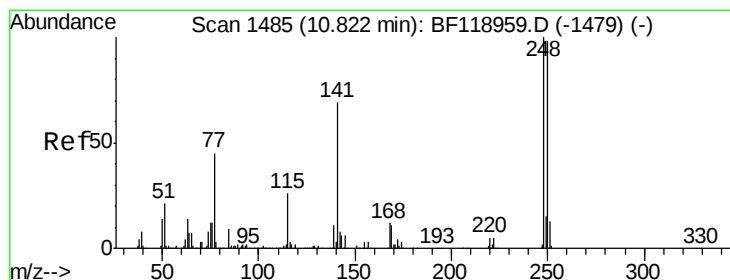
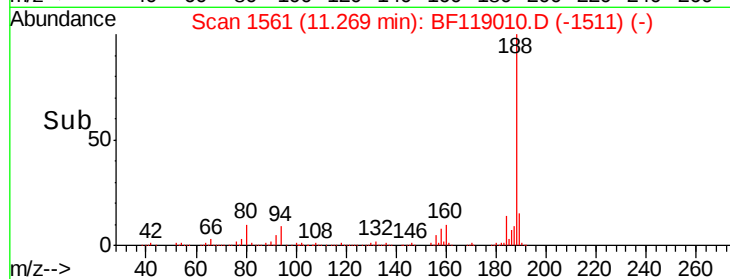
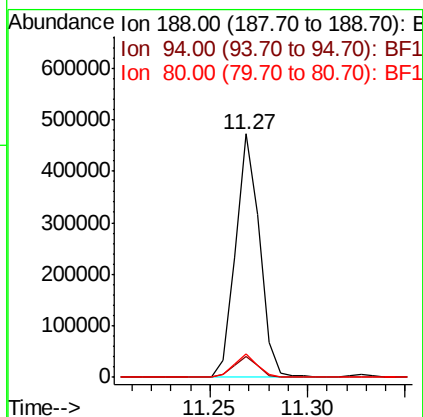
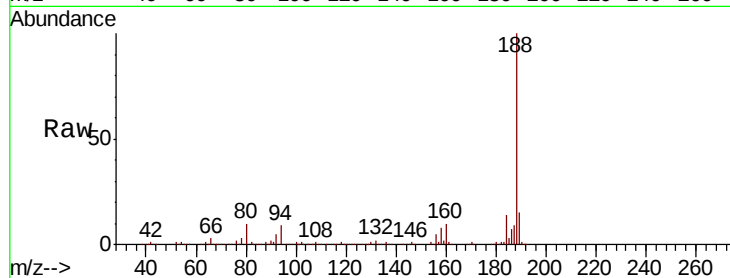




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

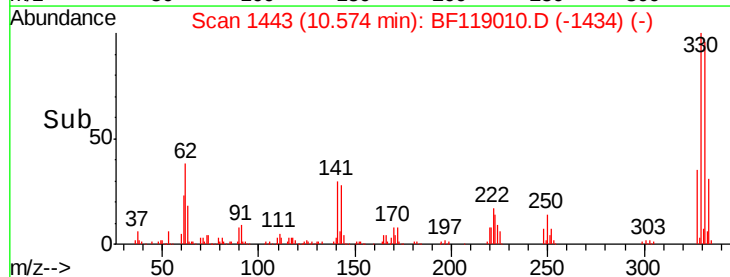
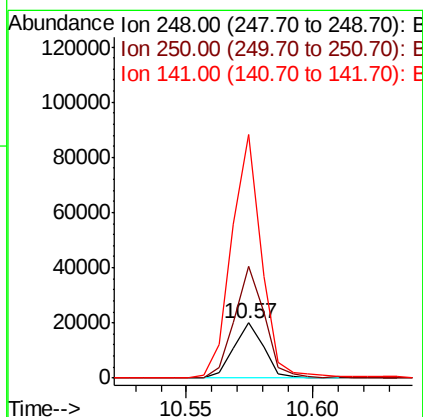
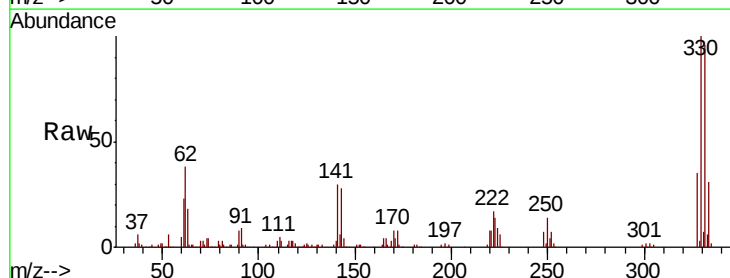
Instrument :
BNA_F
ClientSampleId :

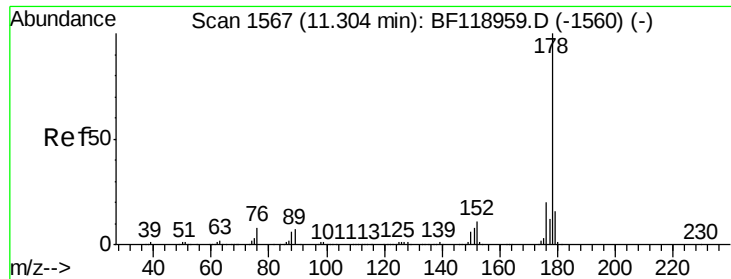
Tot Ion:188 Resp: 403531
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 9.6 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.114 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Tgt Ion:248 Resp: 16425
Ion Ratio Lower Upper
248 100
250 202.4 78.8 118.2#
141 441.4 55.3 82.9#

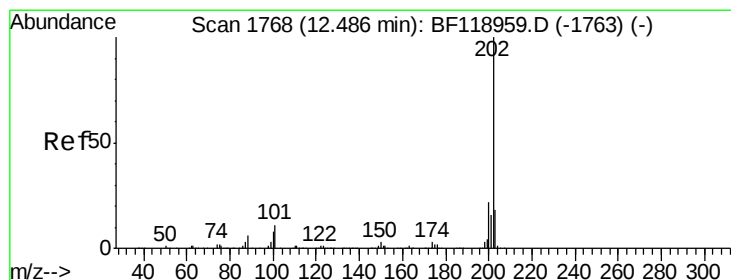
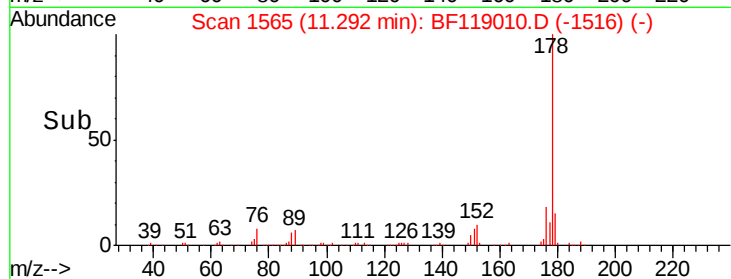
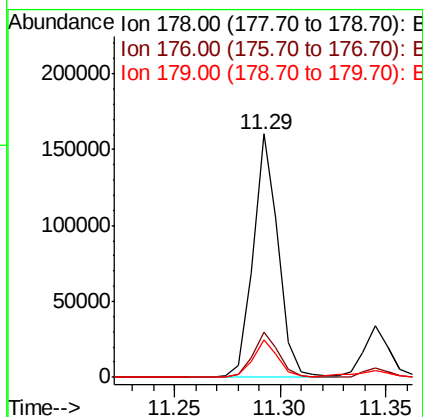
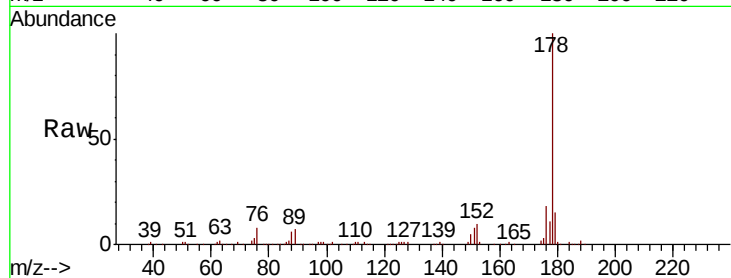




#71
Phenanthrene
Concen: 5.995 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

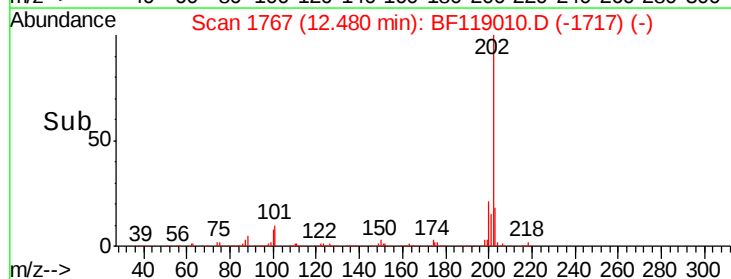
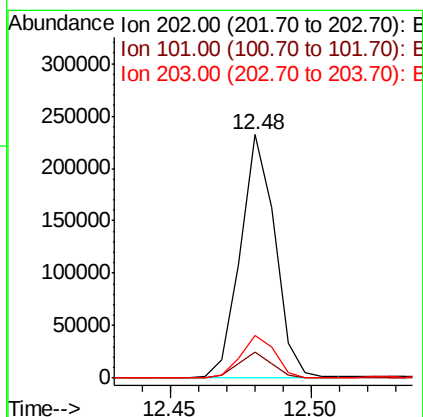
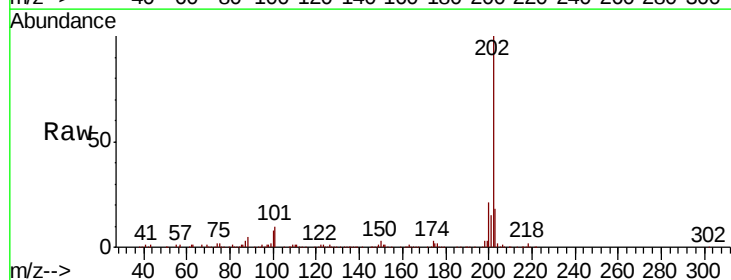
Instrument :
BNA_F
ClientSampleId :

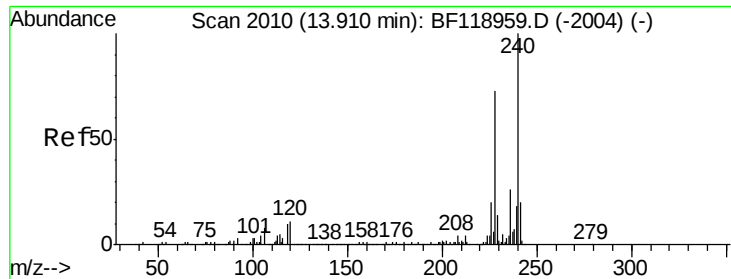
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.4	12.6	18.8



#75
Fluoranthene
Concen: 8.423 ng
RT: 12.48 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.1
203	17.7	0.0	38.1

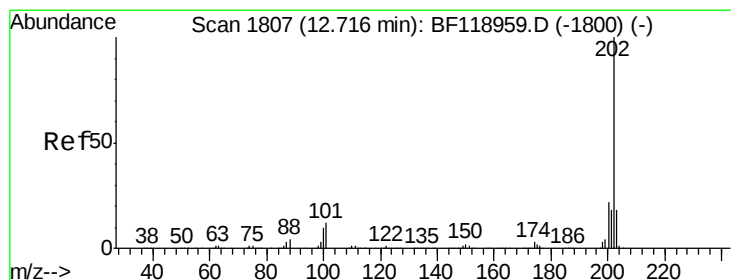
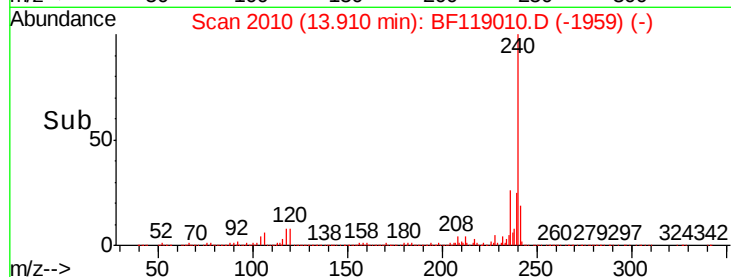
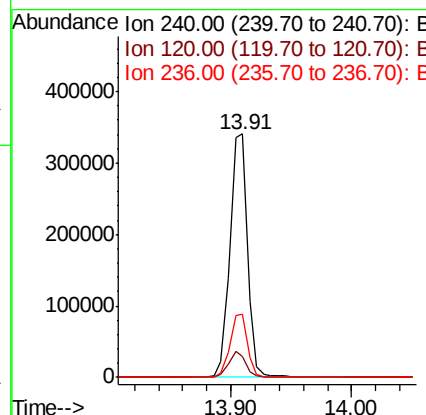
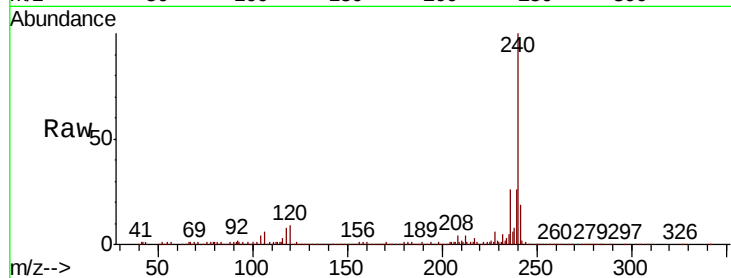




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

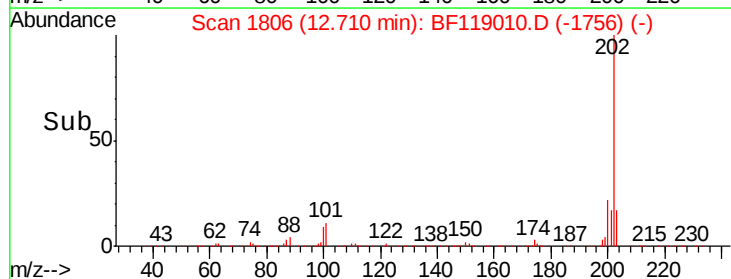
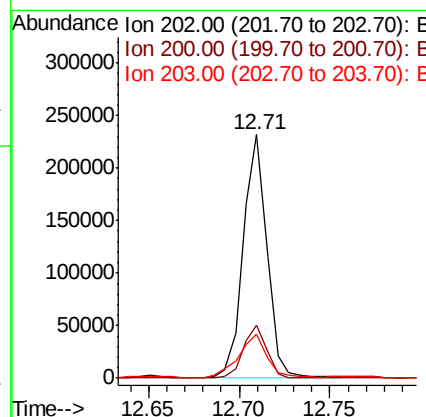
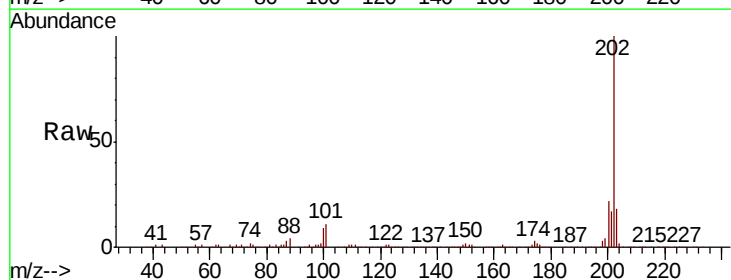
Instrument :
BNA_F
ClientSampleId :

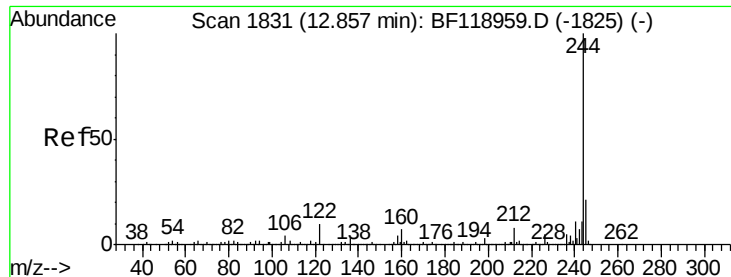
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.9	13.3#
236	26.0	20.6	30.8



#78
Pyrene
Concen: 7.706 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.0
203	17.9	14.5	21.7

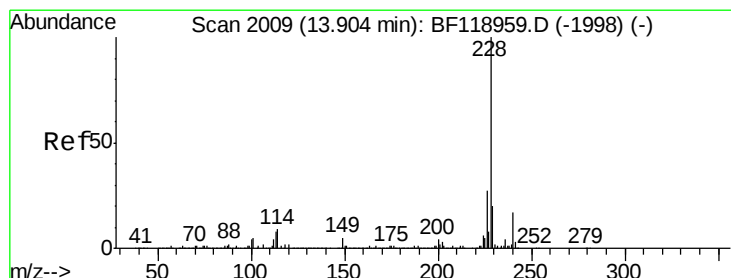
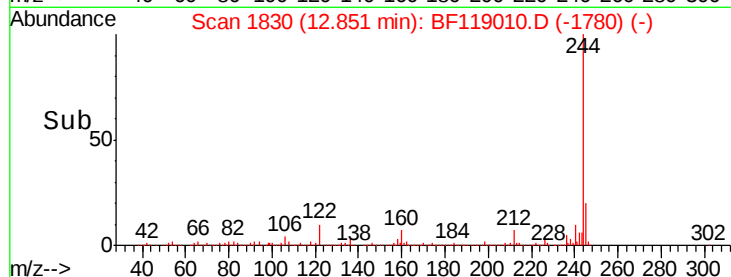
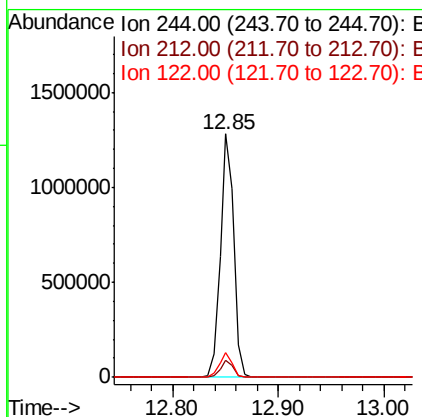
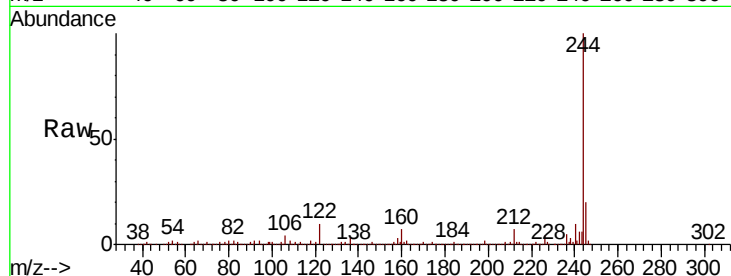




#79
 Terphenyl-d14
 Concen: 58.089 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF119010.D
 Acq: 21 Feb 2020 23:39

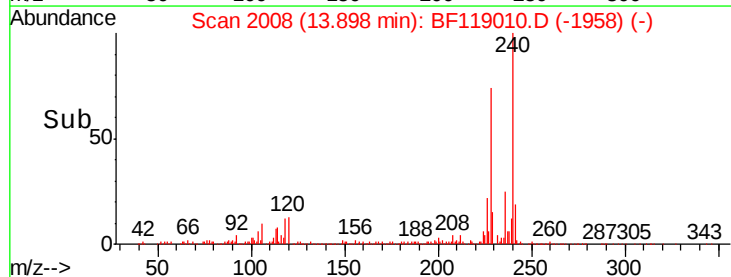
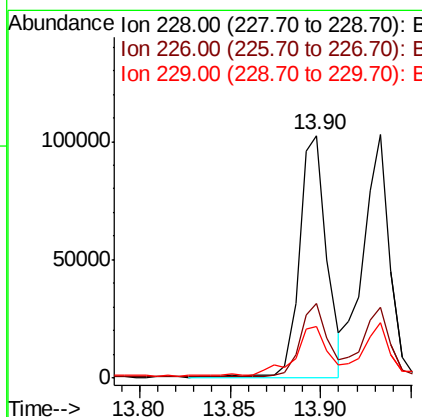
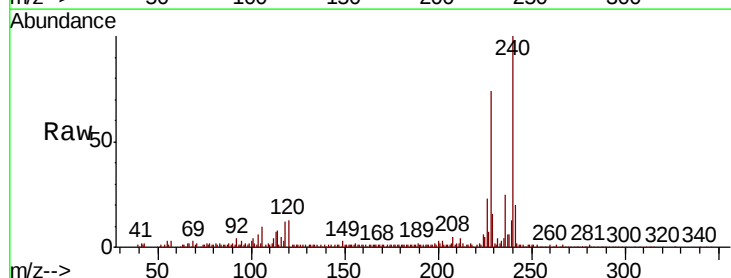
Instrument :
 BNA_F
 ClientSampleId :

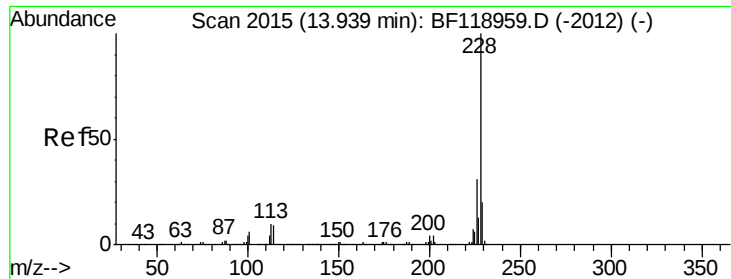
Tot Ion:244 Resp: 1148501
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.3 9.5
 122 10.4 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 4.636 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF119010.D
 Acq: 21 Feb 2020 23:39

Tgt Ion:228 Resp: 107526
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.8
 229 21.3 16.0 24.0

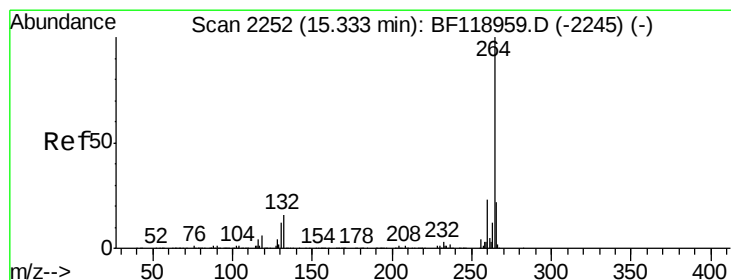
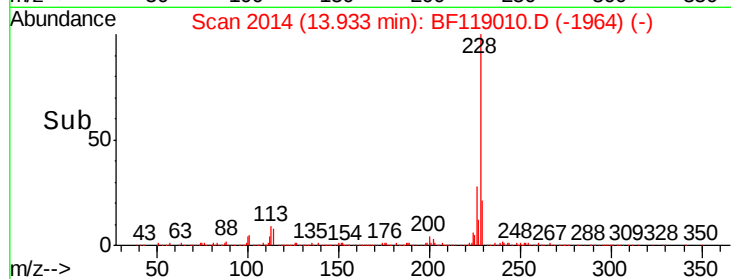
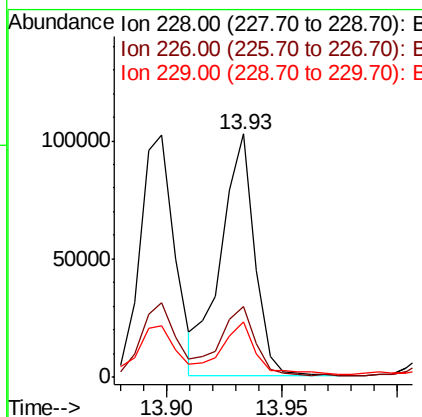
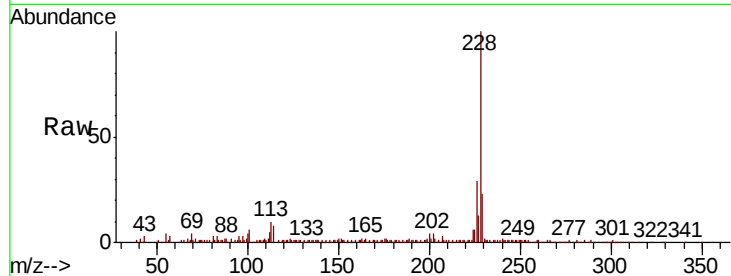




#83
Chrysene
Concen: 4.490 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

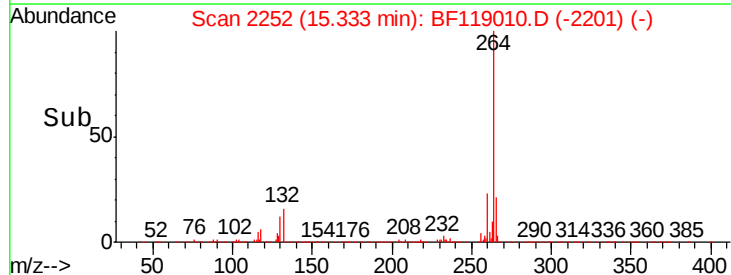
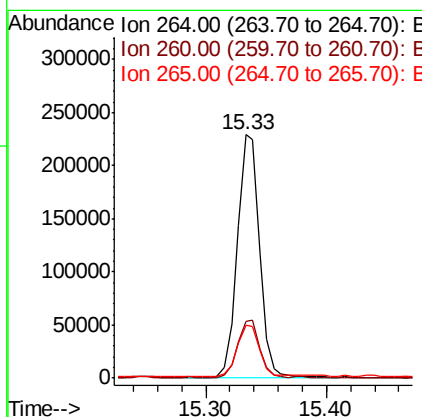
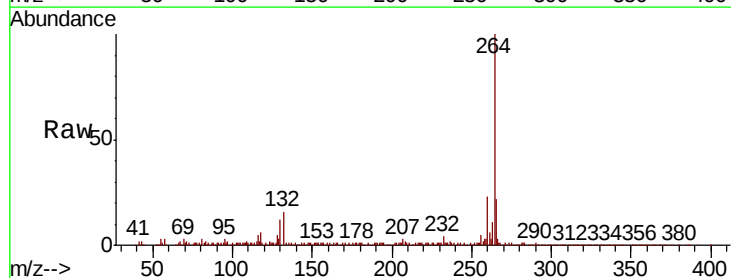
Instrument :
BNA_F
ClientSampleId :

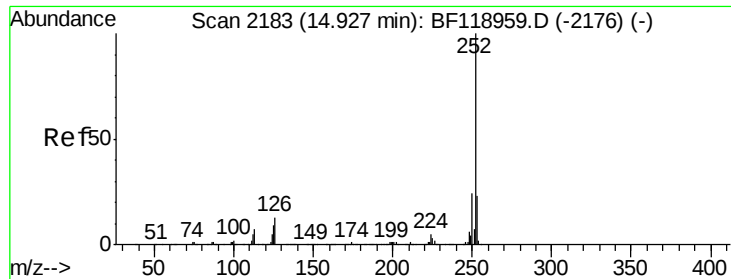
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.6	37.0
229	22.6	16.2	24.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.5	17.3	25.9

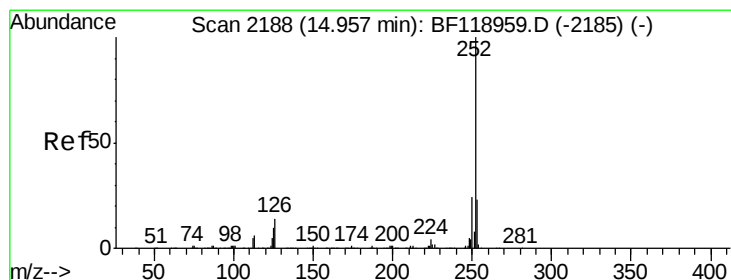
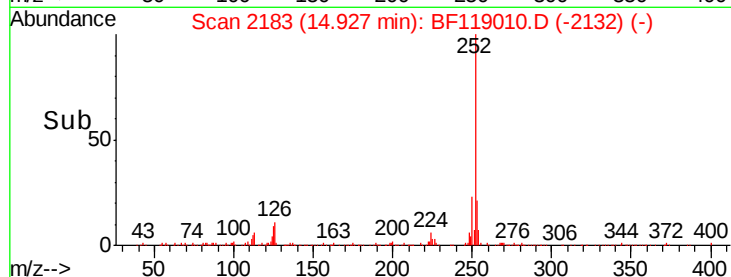
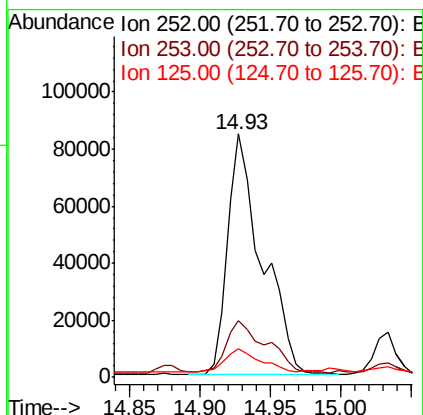
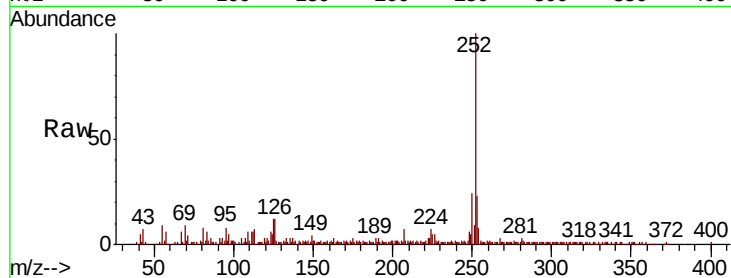




#88
Benzo(b)fluoranthene
Concen: 7.461 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

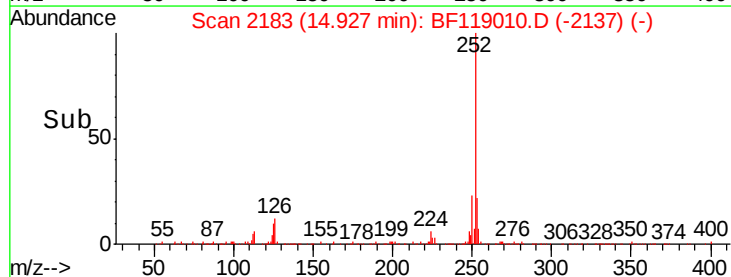
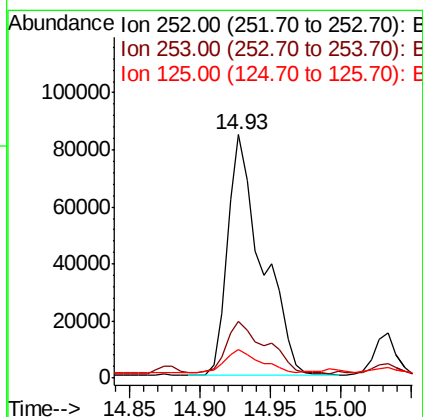
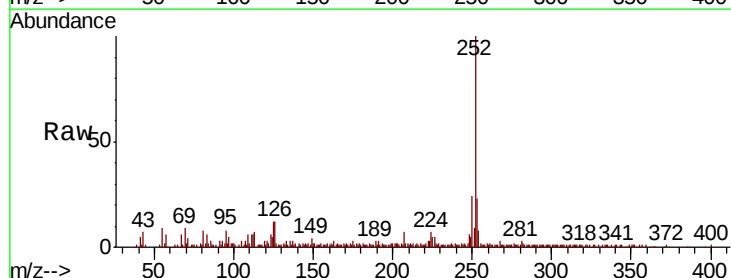
Instrument :
BNA_F
ClientSampleId :

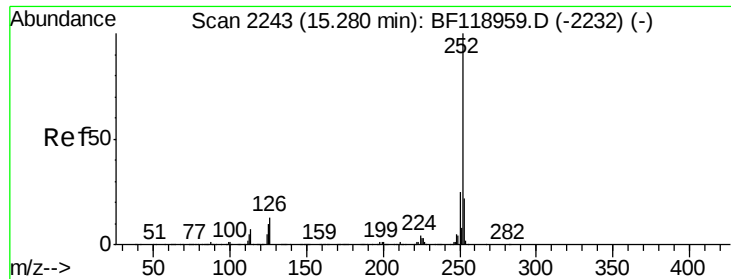
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	11.7	7.4	11.0#



#89
Benzo(k)fluoranthene
Concen: 8.051 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.7	7.3	10.9#

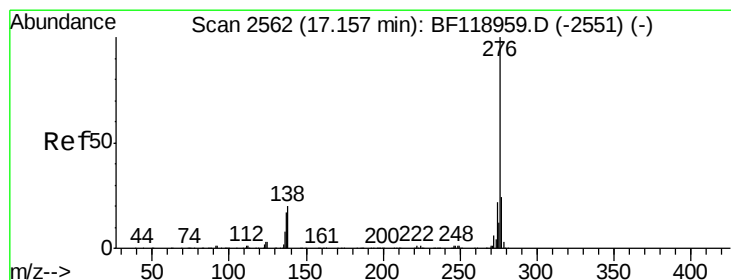
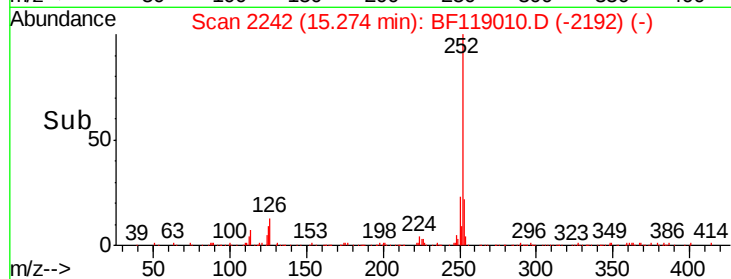
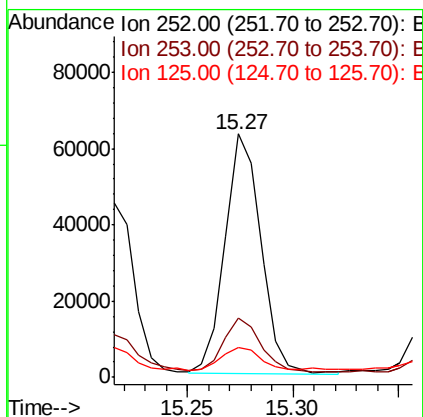
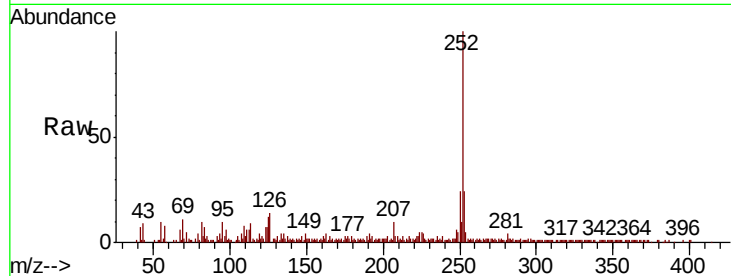




#90
Benzo(a)pyrene
Concen: 4.282 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 74314
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 12.1 7.8 11.6#



#92
Benzo(g,h,i)perylene
Concen: 2.449 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BF119010.D
Acq: 21 Feb 2020 23:39

Tgt Ion:276 Resp: 36950
Ion Ratio Lower Upper
276 100
277 28.6 19.2 28.8
138 21.8 16.2 24.4

