

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119315.D
 Acq On : 10 Mar 2020 14:24
 Operator : CG/JU
 Sample : L1778-07 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 01:37:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	130749	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	493130	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	247088	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	381285	20.00	ng	0.00
76) Chrysene-d12	13.89	240	270571	20.00	ng	0.00
87) Perylene-d12	15.32	264	260144	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	338921	43.32	ng	0.00
7) Phenol-d6	6.38	99	417579	43.89	ng	0.00
23) Nitrobenzene-d5	7.29	82	271613	29.08	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	102751	31.79	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	523914	31.24	ng	0.00
79) Terphenyl-d14	12.82	244	404406	25.73	ng	0.00

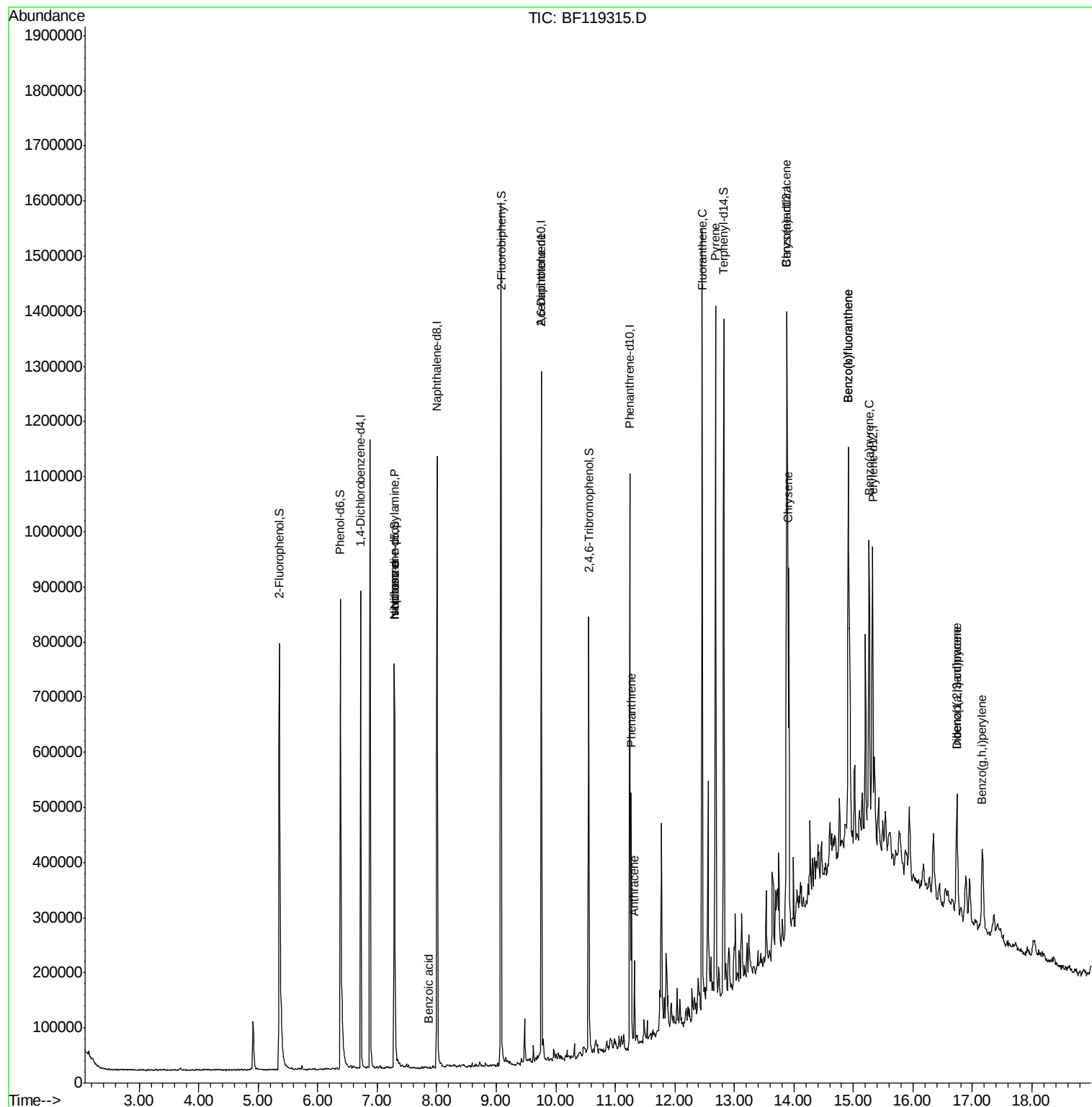
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	37870	6.830	ng	# 76
25) Isophorone	7.29	82	271613	16.745	ng	# 63
32) Benzoic acid	7.85	122	114	6.700	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	32564	7.757	ng	# 33
71) Phenanthrene	11.27	178	174729	8.403	ng	96
72) Anthracene	11.32	178	57002	2.744	ng	97
75) Fluoranthene	12.46	202	549283	24.886	ng	99
78) Pyrene	12.69	202	502431	23.125	ng	99
81) Benzo(a)anthracene	13.87	228	342596	18.583	ng	99
83) Chrysene	13.92	228	293772	15.992	ng	96
86) Indeno(1,2,3-cd)pyrene	16.74	276	143300	8.056	ng	95
88) Benzo(b)fluoranthene	14.92	252	553829	32.298	ng	97
89) Benzo(k)fluoranthene	14.92	252	553829	34.852	ng	97
90) Benzo(a)pyrene	15.26	252	263089	17.000	ng	97
91) Dibenzo(a,h)anthracene	16.73	278	37696	2.768	ng	# 83
92) Benzo(g,h,i)perylene	17.17	276	131035	9.739	ng	98

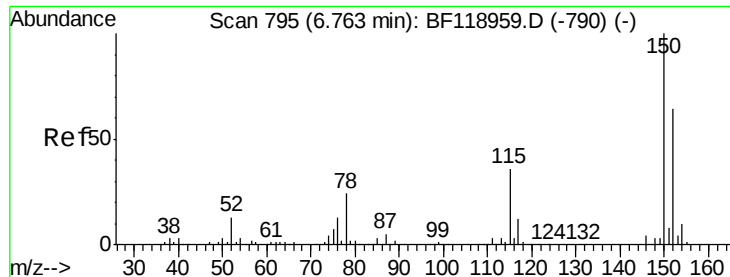
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
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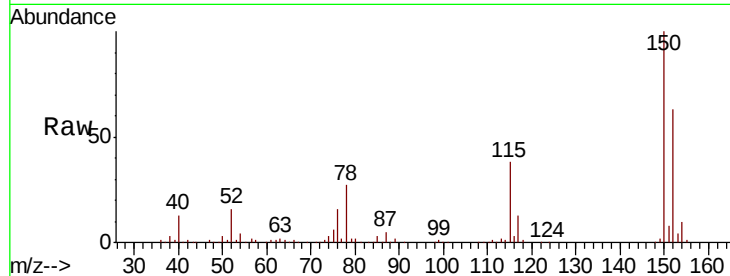


#1

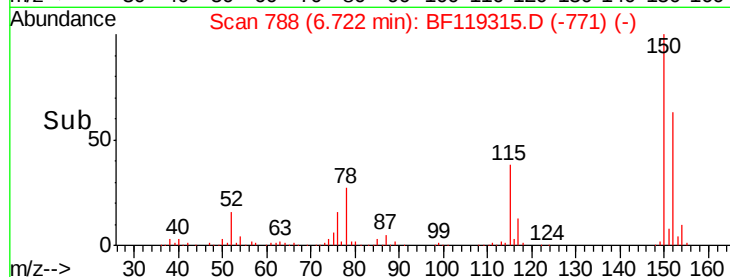
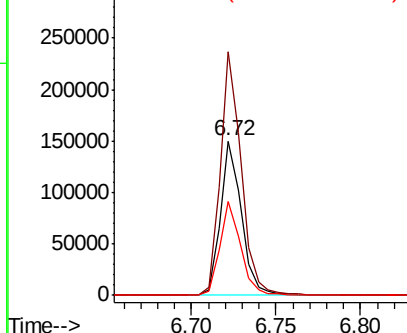
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 130749
Ion Ratio Lower Upper
152 100
150 157.9 123.0 184.6
115 60.7 49.5 74.3



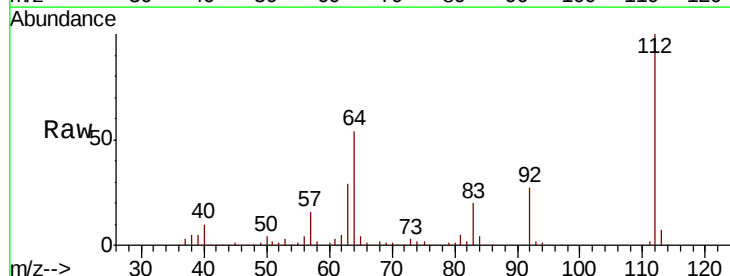
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



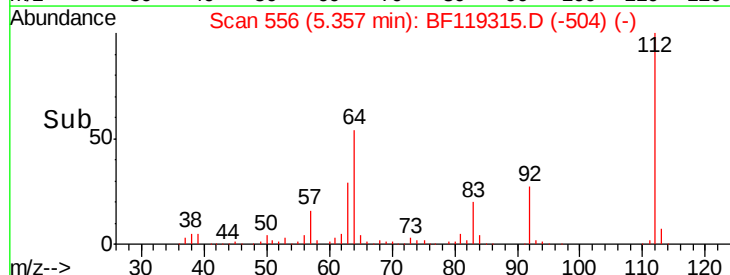
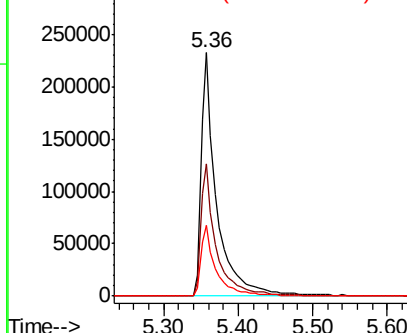
#5

2-Fluorophenol
Concen: 43.319 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion:112 Resp: 338921
Ion Ratio Lower Upper
112 100
64 54.1 45.0 67.4
63 28.8 24.2 36.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 43.886 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Instrument :

BNA_F

ClientSampleId :

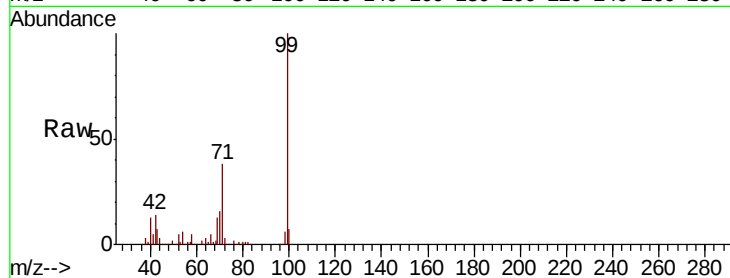
Tot Ion: 99 Resp: 417579

Ion Ratio Lower Upper

99 100

42 14.5 12.6 18.8

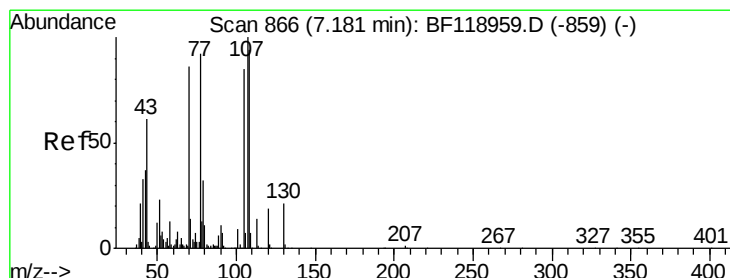
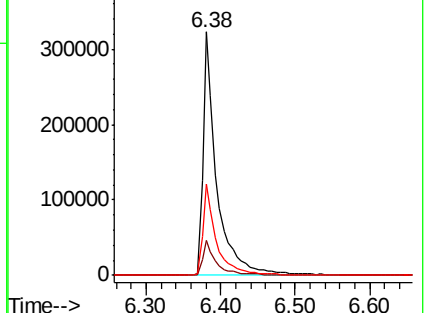
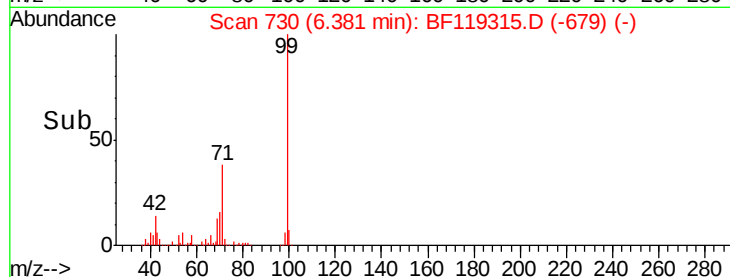
71 37.7 31.0 46.4



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: 6.830 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Tgt Ion: 70 Resp: 37870

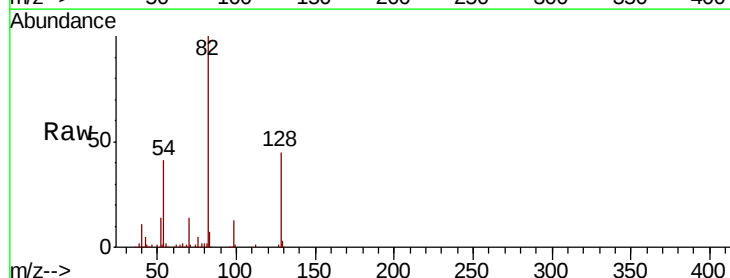
Ion Ratio Lower Upper

70 100

42 38.2 38.0 57.0

101 0.0 8.2 12.4#

130 1.8 18.2 27.4#

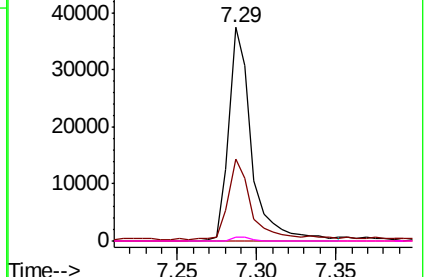
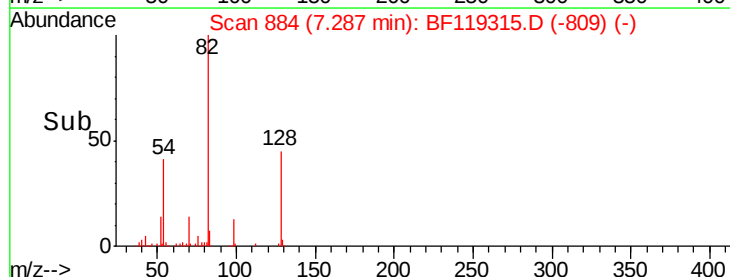


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 493130

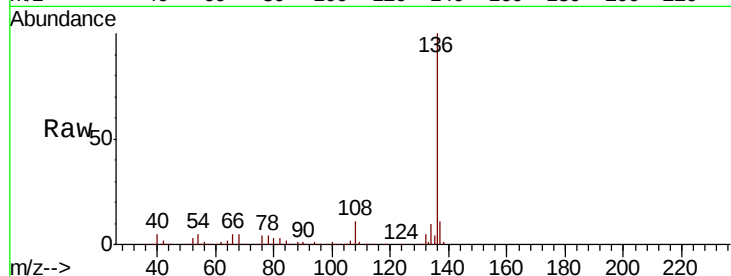
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 5.1 3.8 5.6

68 5.2 3.9 5.9

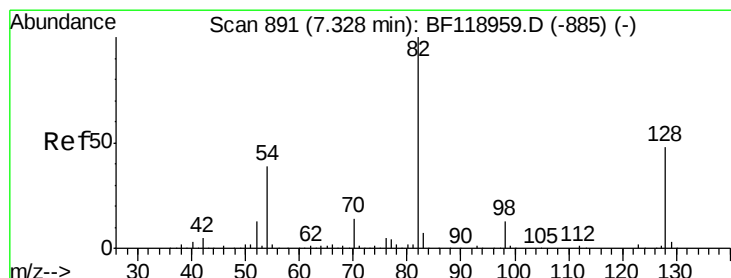
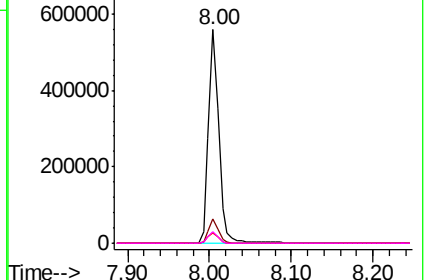
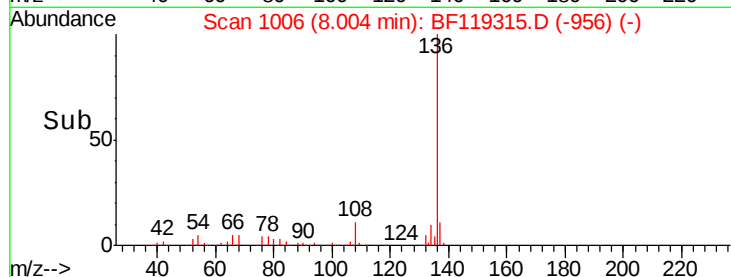


Abundance Ion 136.00 (135.70 to 136.70): E

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: 29.082 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

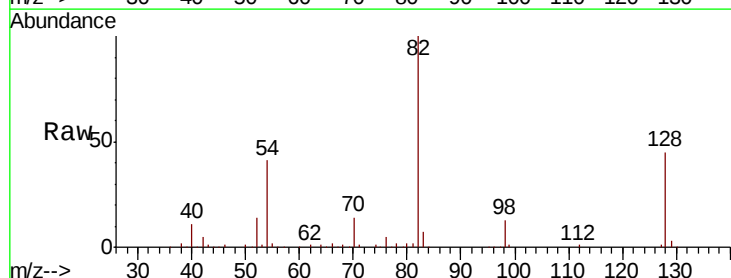
Tgt Ion: 82 Resp: 271613

Ion Ratio Lower Upper

82 100

128 45.0 37.9 56.9

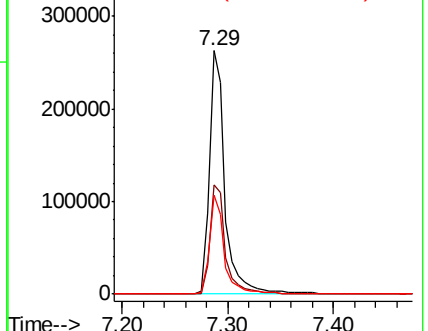
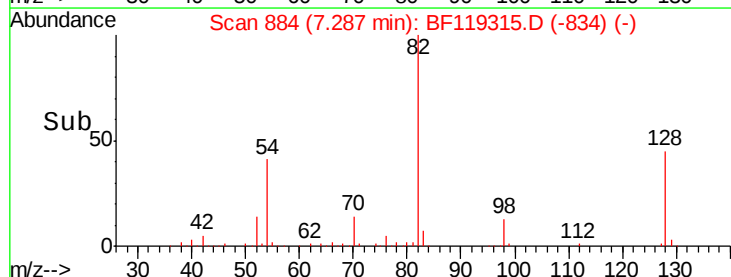
54 40.7 33.4 50.2



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

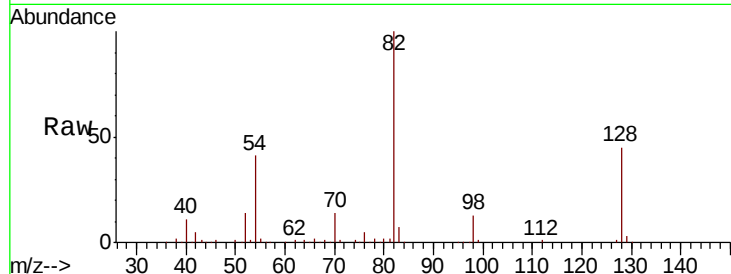




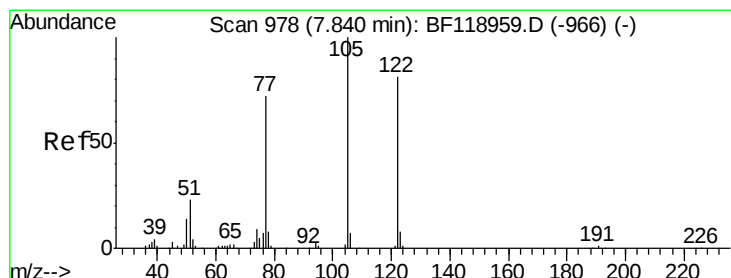
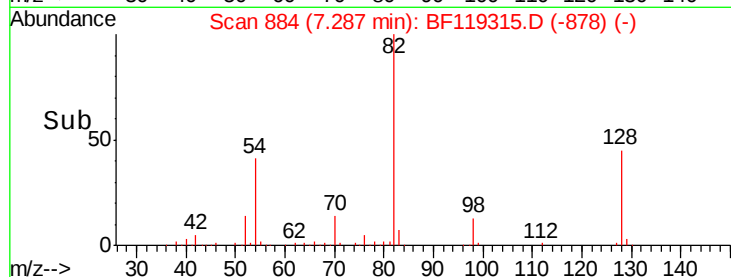
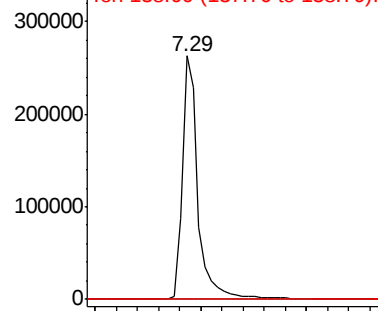
#25
Isophorone
Concen: 16.745 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 271613
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 15.7 23.5#

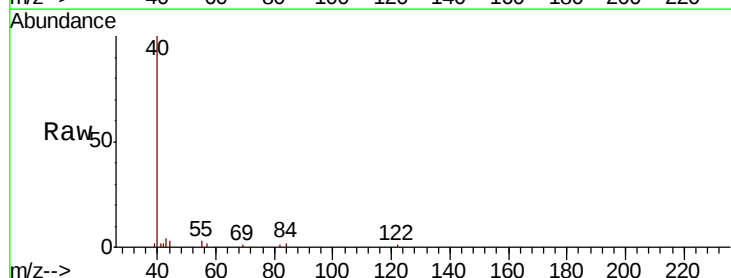


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

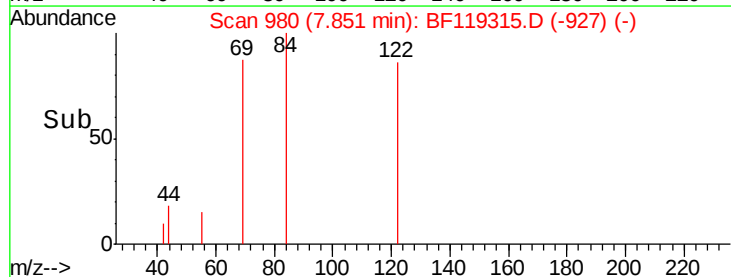
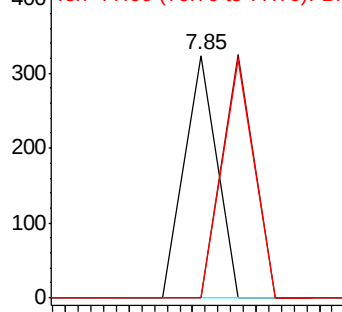


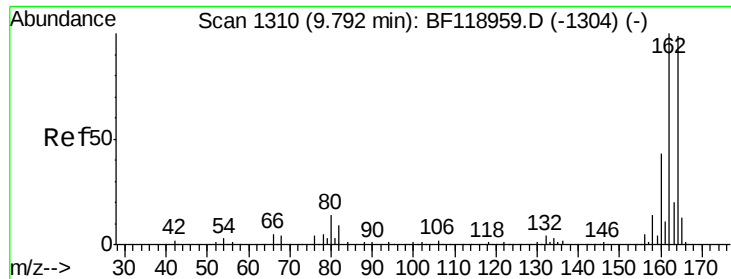
#32
Benzoic acid
Concen: 6.700 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion: 122 Resp: 114
Ion Ratio Lower Upper
122 100
105 0.0 106.3 146.3#
77 0.0 73.1 113.1#



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

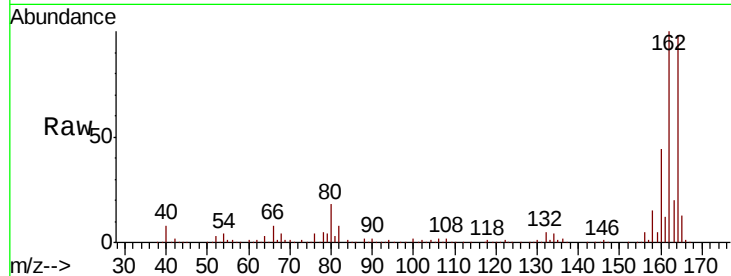




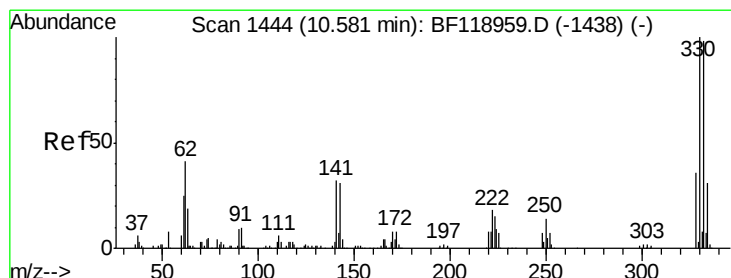
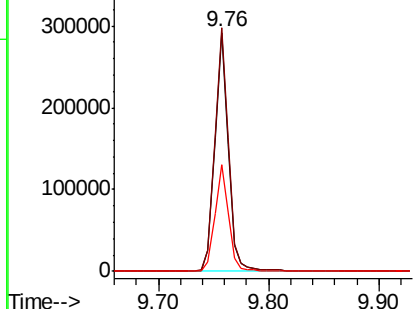
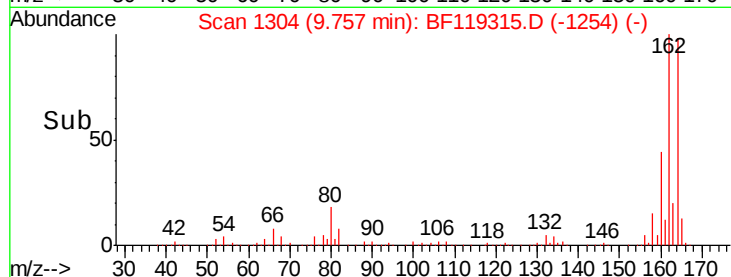
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 247088
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.8
160 44.7 36.0 54.0

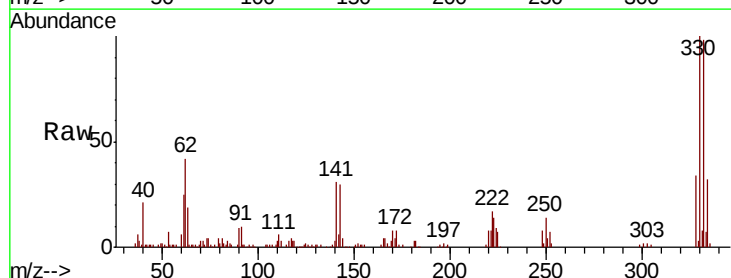


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

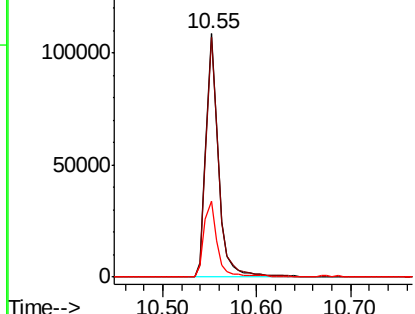
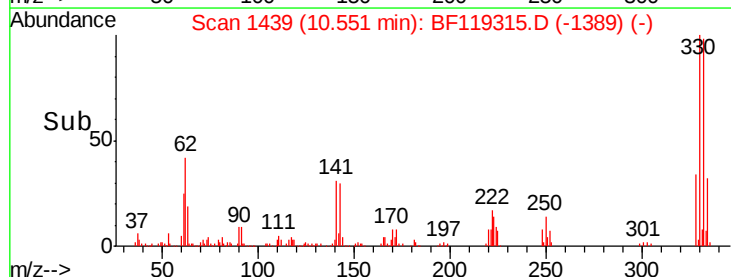


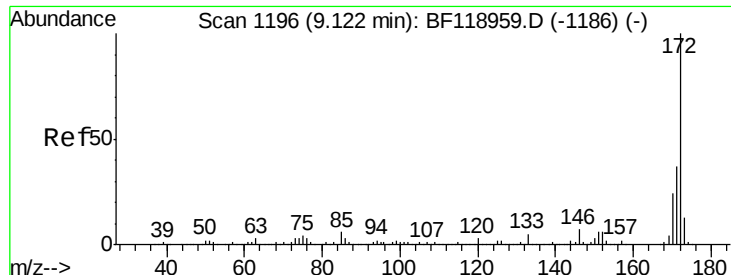
#42
2,4,6-Tribromophenol
Concen: 31.789 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion:330 Resp: 102751
Ion Ratio Lower Upper
330 100
332 98.2 76.0 114.0
141 33.0 22.9 34.3



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

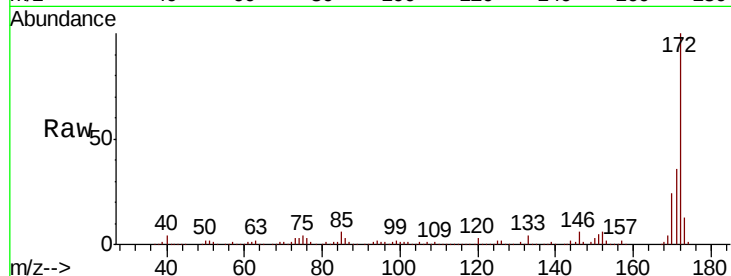




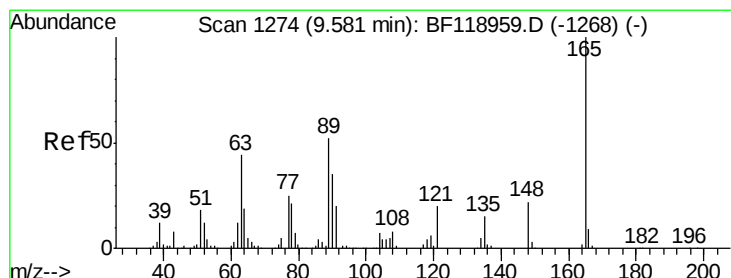
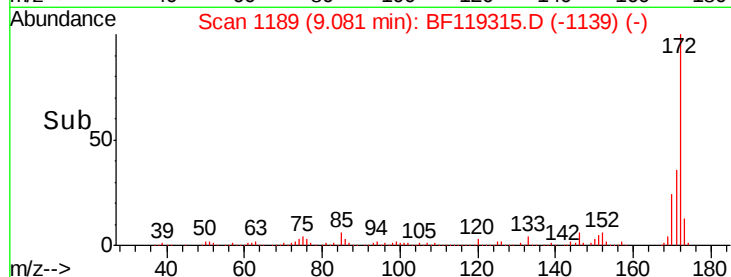
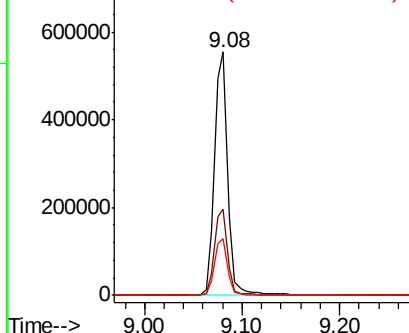
#45
2-Fluorobiphenyl
Concen: 31.236 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 523914
Ion Ratio Lower Upper
172 100
171 35.5 30.6 45.8
170 23.5 20.2 30.2

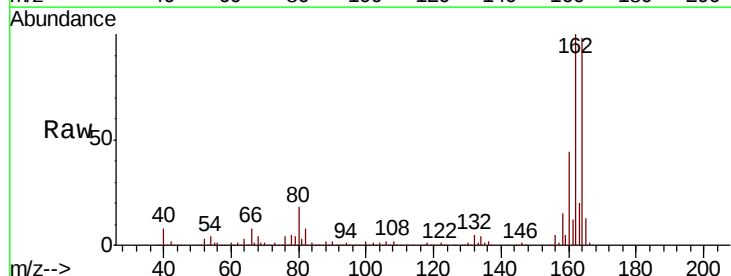


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

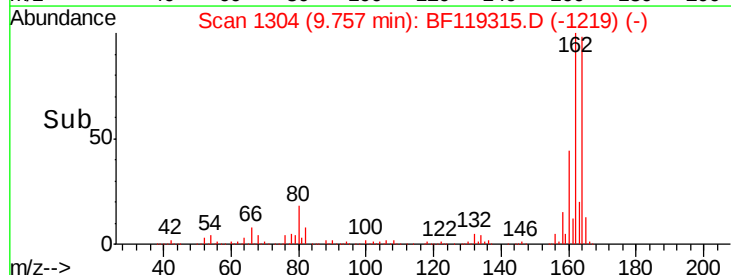
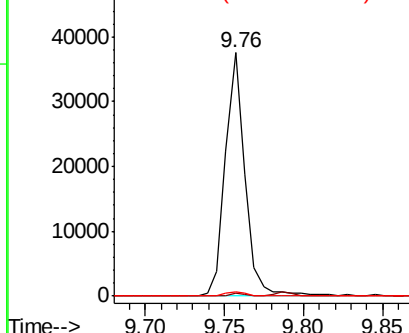


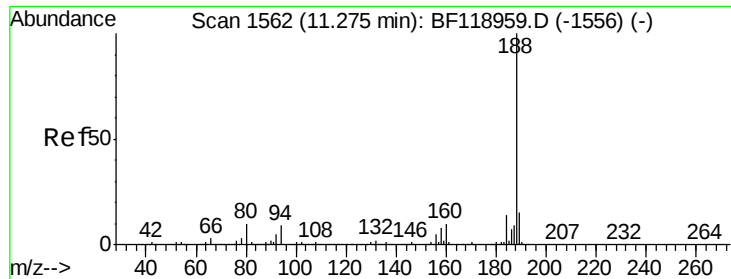
#51
2,6-Dinitrotoluene
Concen: 7.757 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion:165 Resp: 32564
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 2.0 38.3 57.5#



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

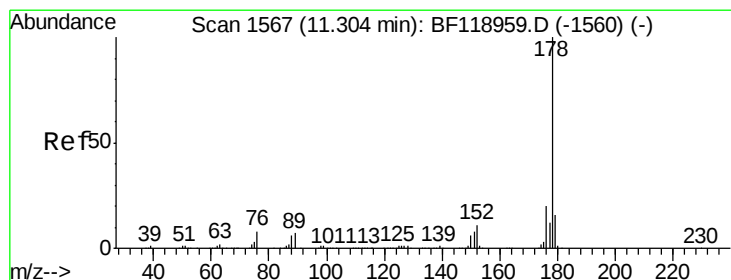
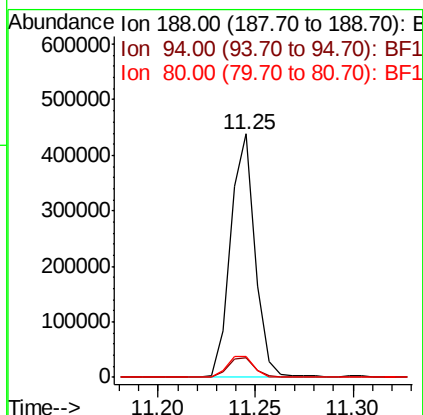
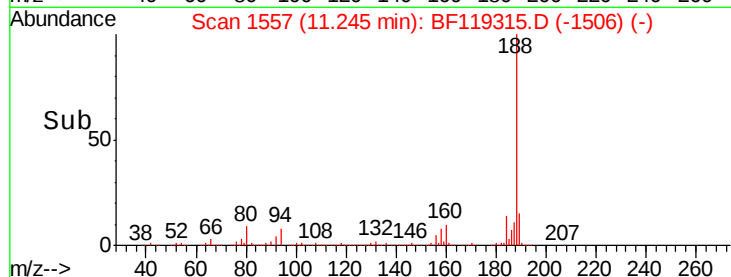
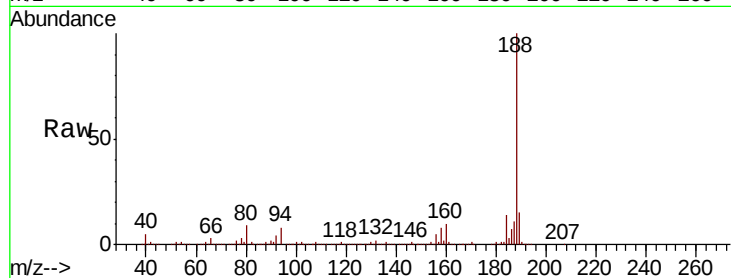




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

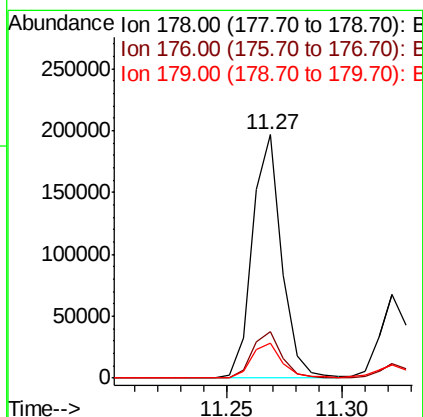
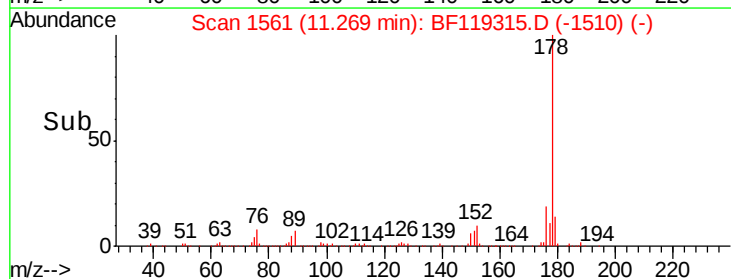
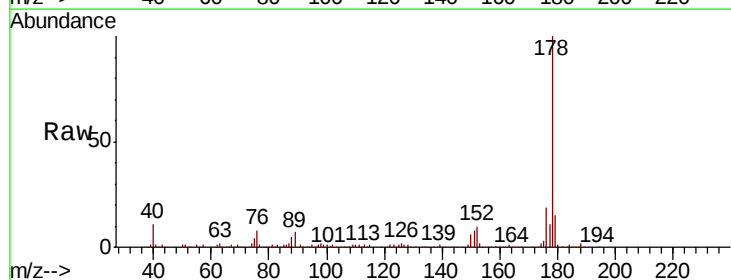
Instrument :
BNA_F
ClientSampled :

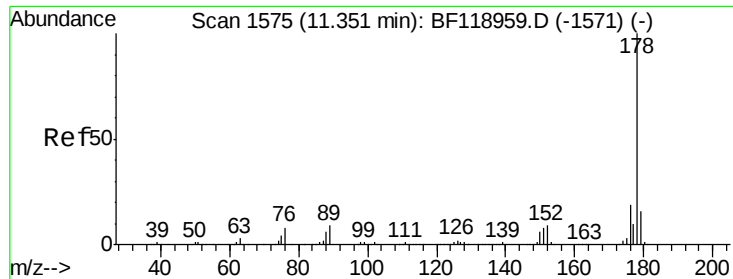
Tot Ion:188 Resp: 381285
Ion Ratio Lower Upper
188 100
94 8.0 7.1 10.7
80 8.7 7.8 11.8



#71
Phenanthrene
Concen: 8.403 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion:178 Resp: 174729
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 14.6 13.0 19.6





#72

Anthracene

Concen: 2.744 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Instrument :

BNA_F

ClientSampleId :

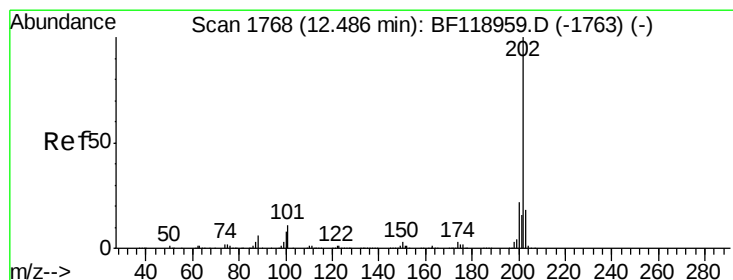
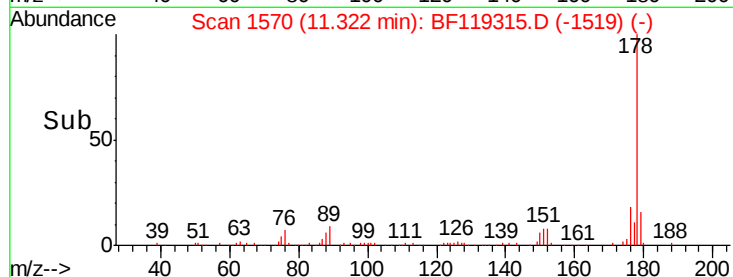
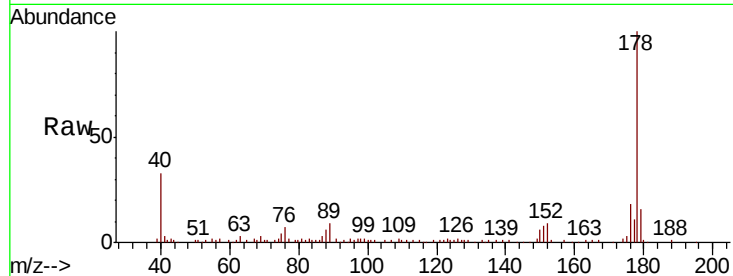
Tot Ion:178 Resp: 57002

Ion Ratio Lower Upper

178 100

176 18.1 16.0 24.0

179 16.0 13.1 19.7



#75

Fluoranthene

Concen: 24.886 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

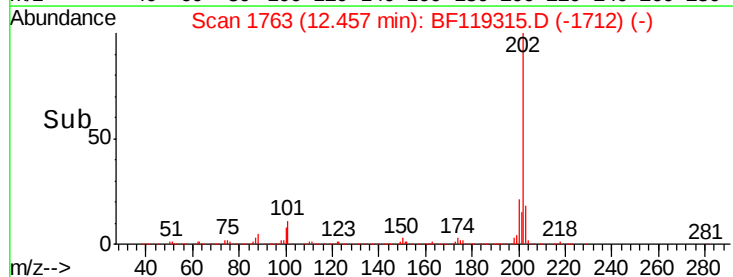
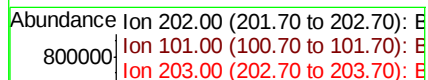
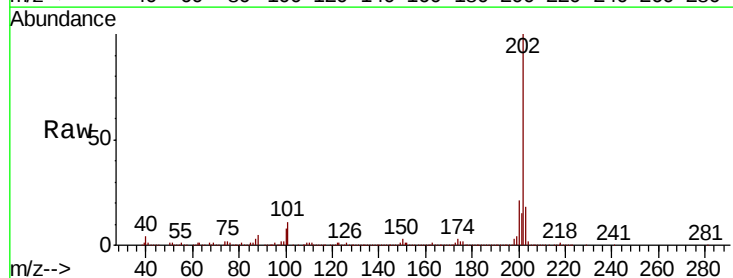
Tgt Ion:202 Resp: 549283

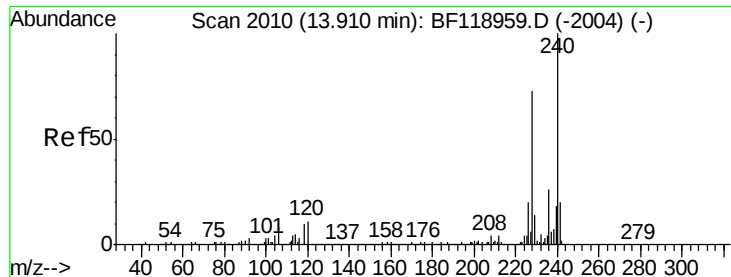
Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.3

203 17.8 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Instrument :

BNA_F

ClientSampleId :

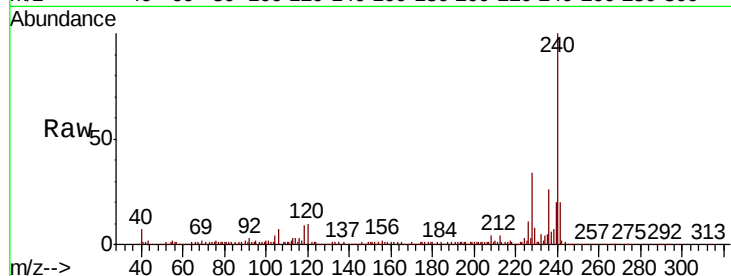
Tot Ion:240 Resp: 270571

Ion Ratio Lower Upper

240 100

120 10.3 8.4 12.6

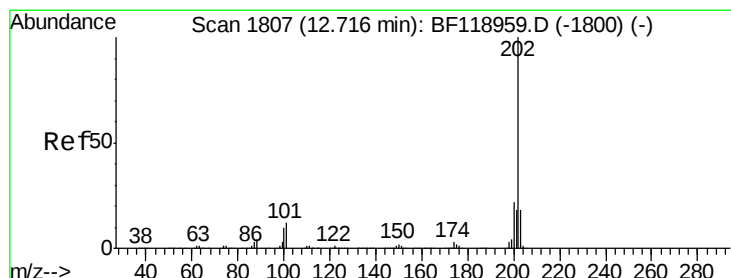
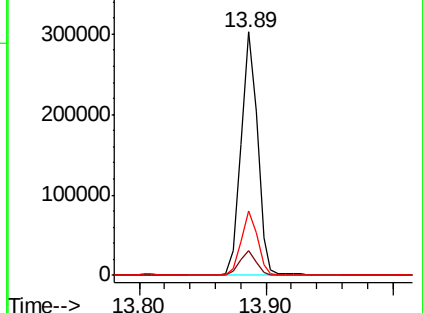
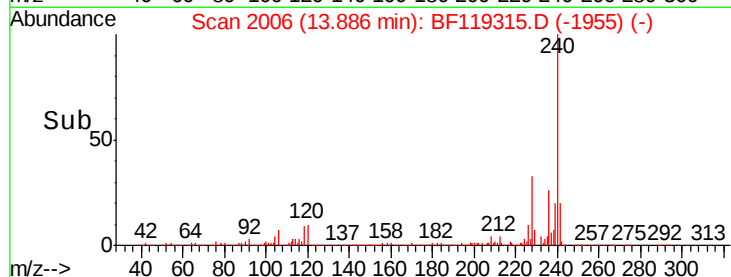
236 26.3 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 23.125 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

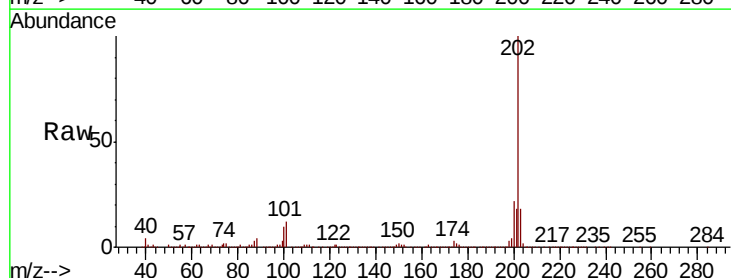
Tgt Ion:202 Resp: 502431

Ion Ratio Lower Upper

202 100

200 21.8 18.0 27.0

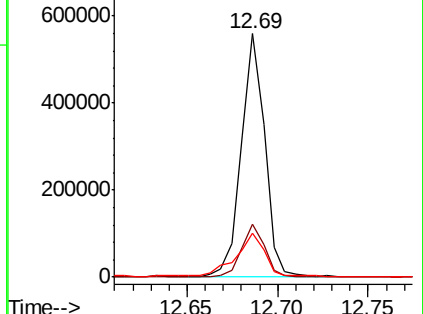
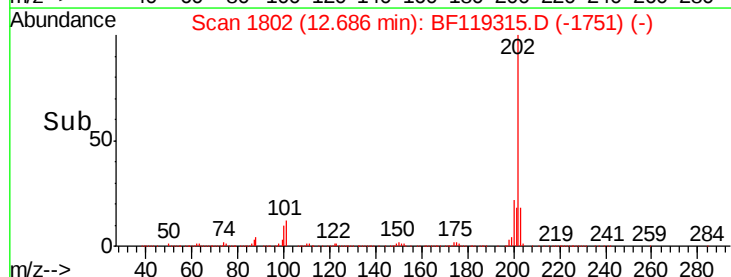
203 18.0 14.6 22.0

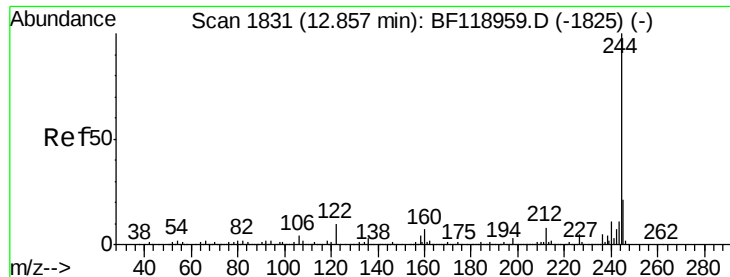


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 25.733 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

Instrument :

BNA_F

ClientSampleId :

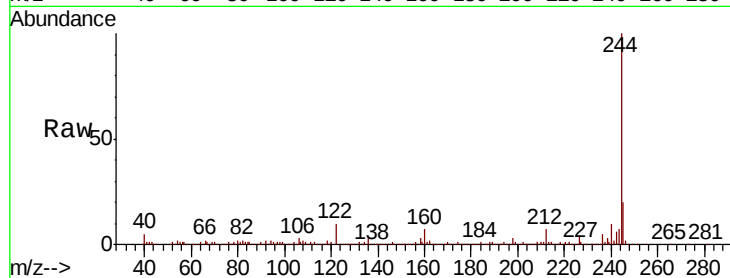
Tot Ion:244 Resp: 404406

Ion Ratio Lower Upper

244 100

212 7.0 6.6 10.0

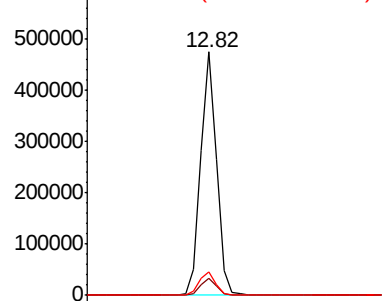
122 9.5 8.2 12.2



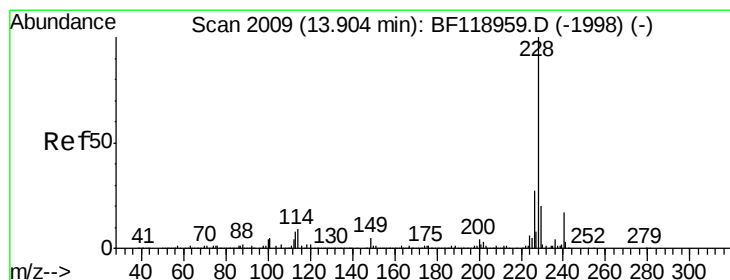
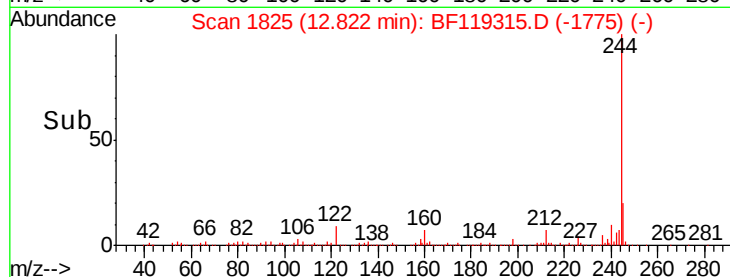
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#81

Benzo(a)anthracene

Concen: 18.583 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF119315.D

Acq: 10 Mar 2020 14:24

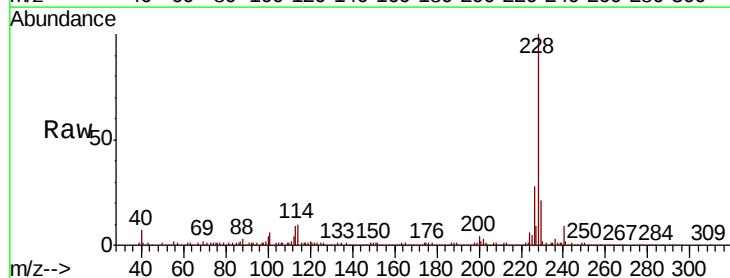
Tgt Ion:228 Resp: 342596

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

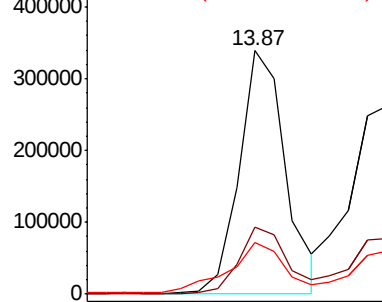
229 21.0 16.6 24.8



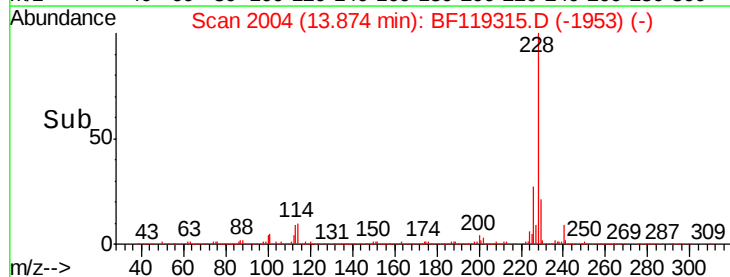
Abundance Ion 228.00 (227.70 to 228.70): E

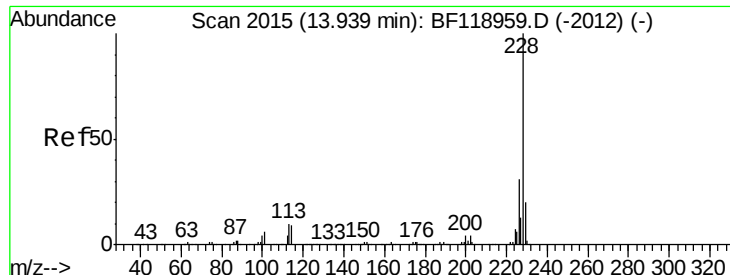
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

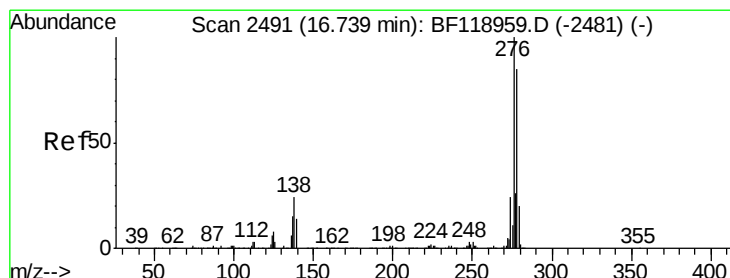
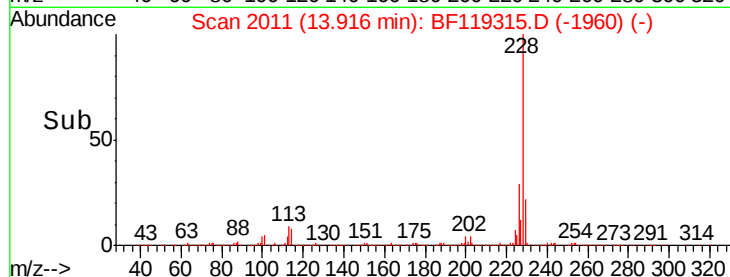
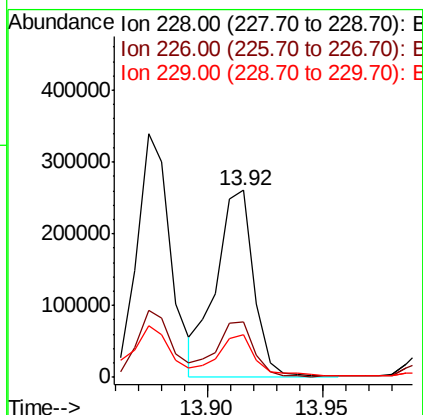
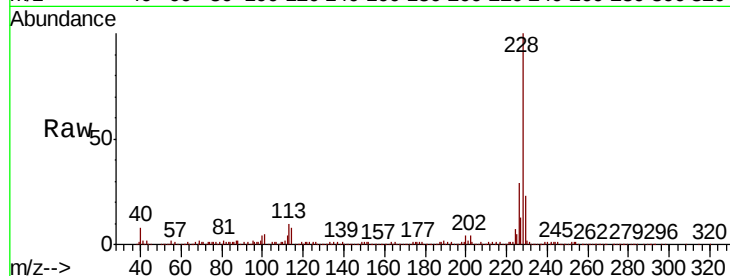




#83
Chrysene
Concen: 15.992 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

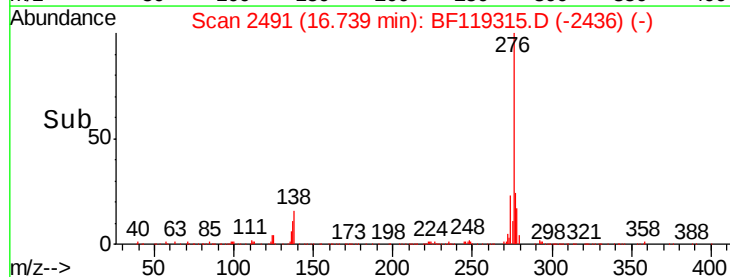
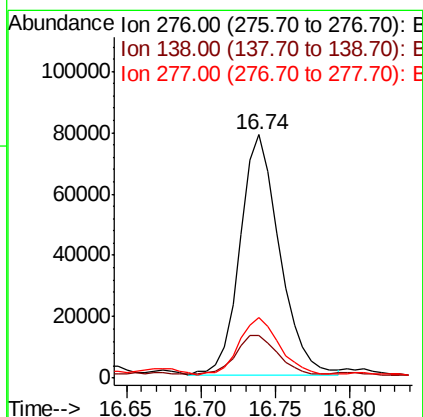
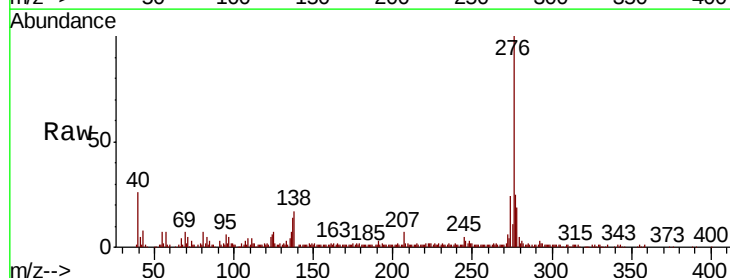
Instrument :
BNA_F
ClientSampleId :

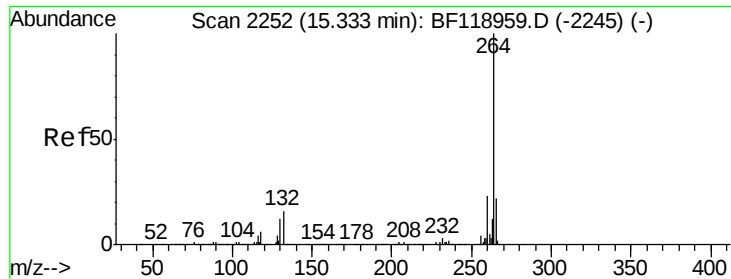
Tot Ion:228 Resp: 293772
Ion Ratio Lower Upper
228 100
226 29.4 25.1 37.7
229 22.5 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.056 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion:276 Resp: 143300
Ion Ratio Lower Upper
276 100
138 18.3 17.4 26.0
277 23.9 20.3 30.5

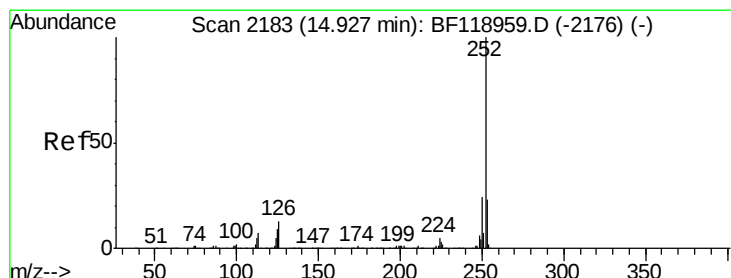
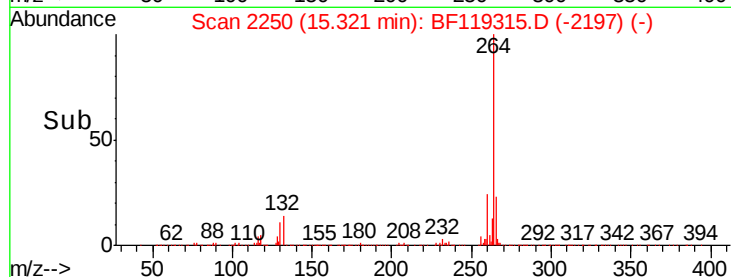
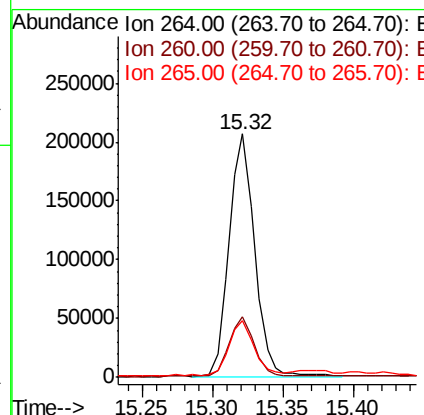
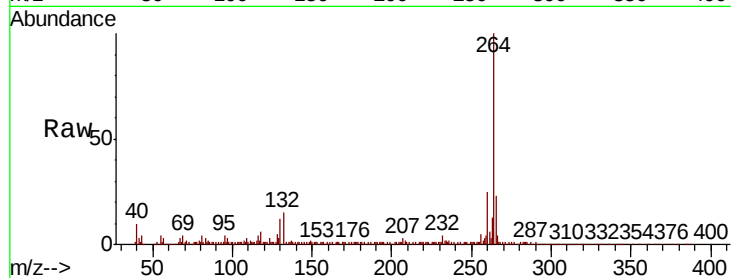




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

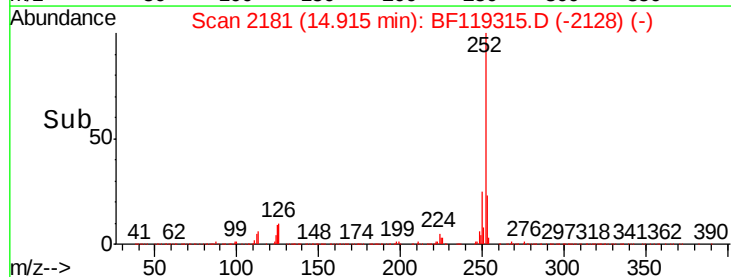
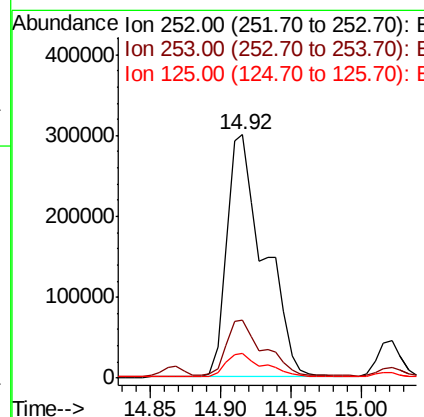
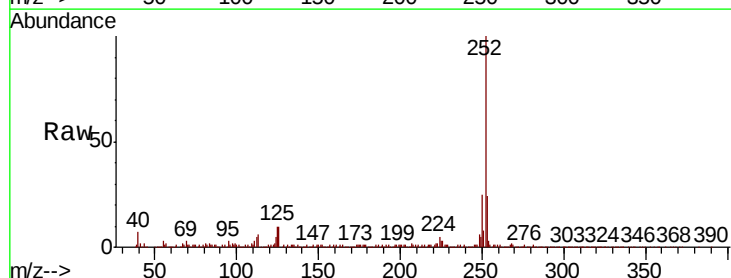
Instrument :
BNA_F
ClientSampleId :

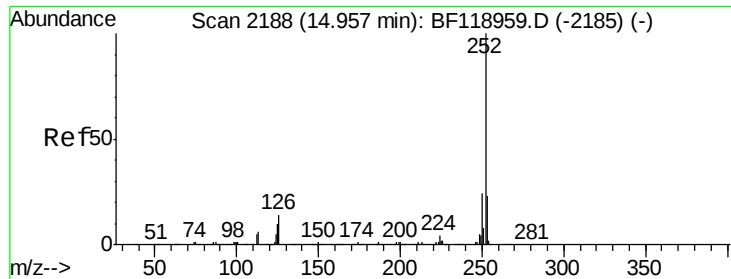
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	23.2	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 32.298 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	10.1	7.4	11.0

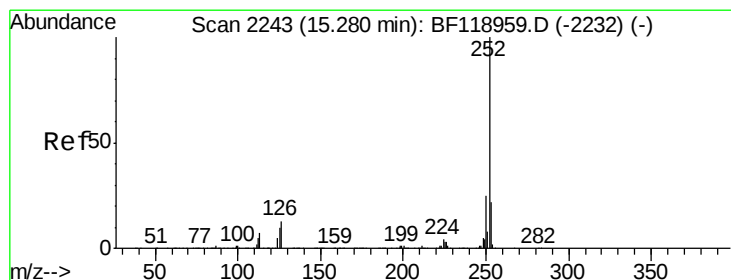
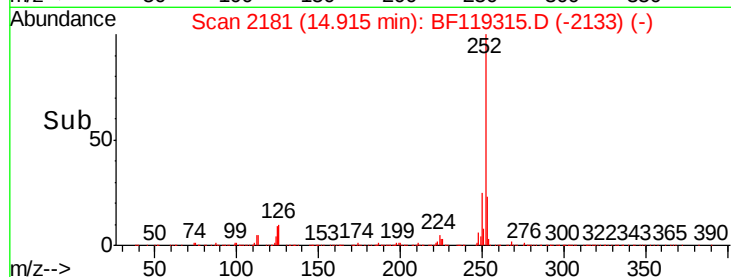
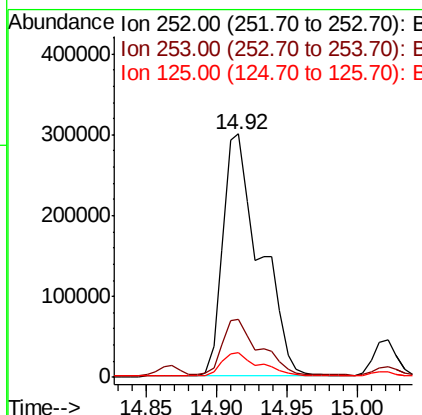
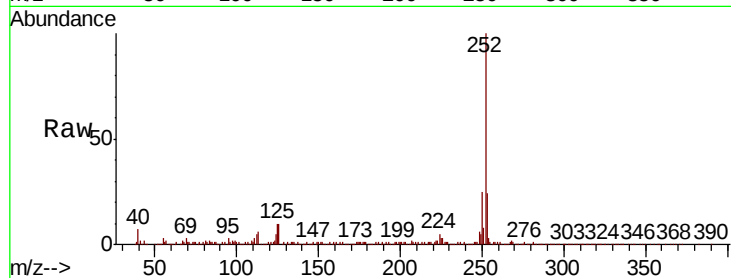




#89
Benzo(k)fluoranthene
Concen: 34.852 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

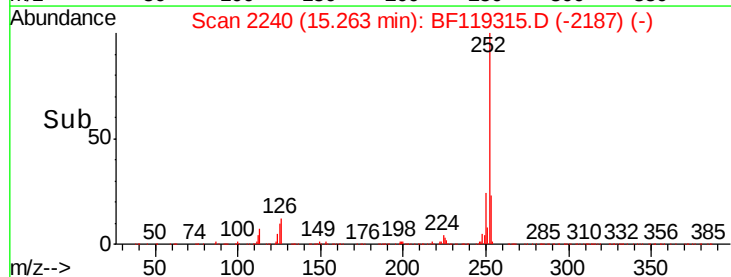
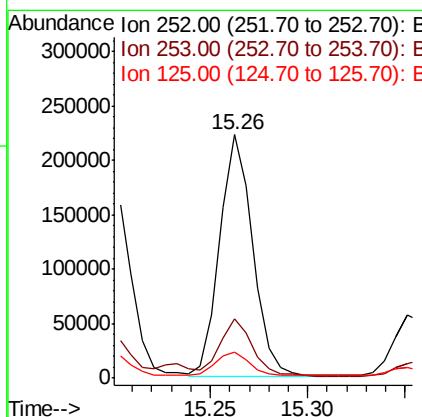
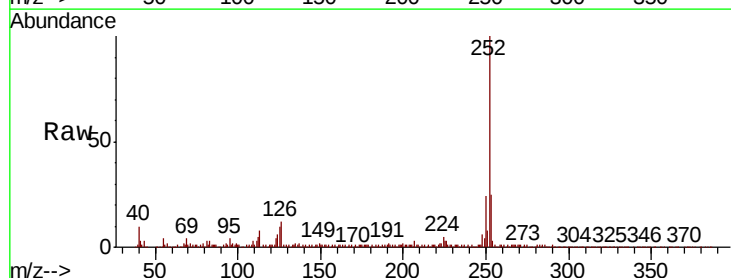
Instrument :
BNA_F
ClientSampleId :

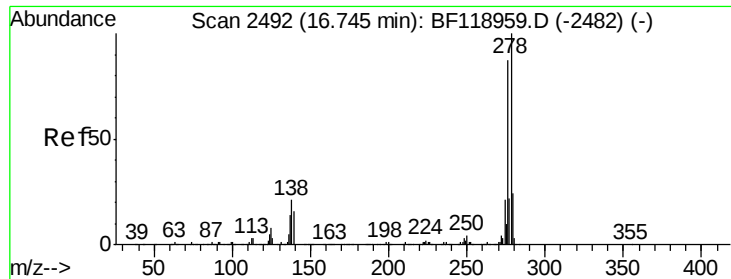
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	10.1	7.5	11.3



#90
Benzo(a)pyrene
Concen: 17.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119315.D
Acq: 10 Mar 2020 14:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	10.5	8.6	12.8

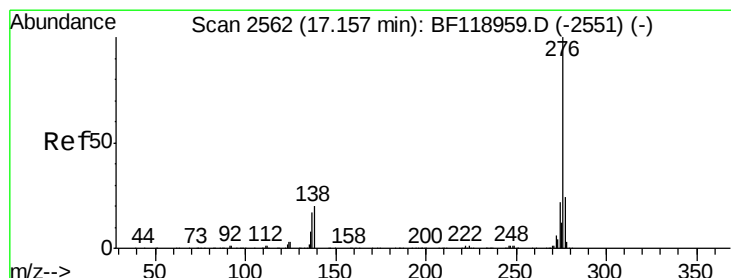
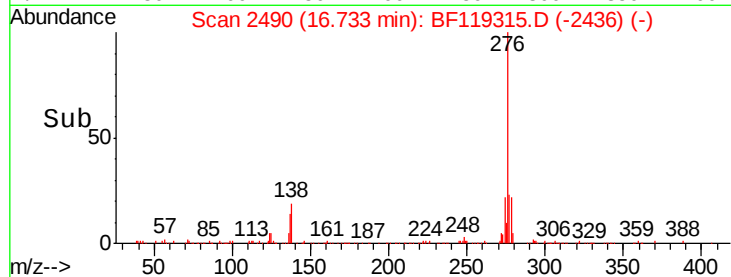
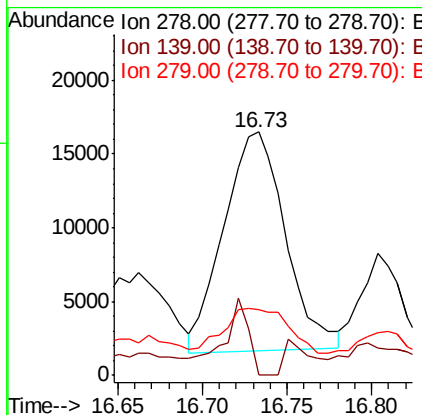
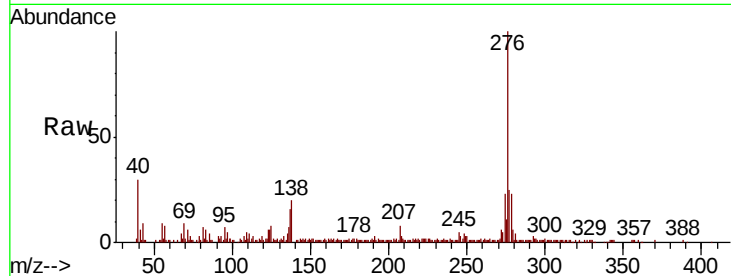




#91
 Dibenzo(a,h)anthracene
 Concen: 2.768 ng
 RT: 16.73 min Scan# 2490
 Delta R.T. 0.02 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:278 Resp: 37696
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.0 16.4#
 279 26.9 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 9.739 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.03 min
 Lab File: BF119315.D
 Acq: 10 Mar 2020 14:24

Tgt Ion:276 Resp: 131035
 Ion Ratio Lower Upper
 276 100
 277 25.2 18.7 28.1
 138 18.1 14.3 21.5

