

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
 Data File : BF119159.D
 Acq On : 29 Feb 2020 15:33
 Operator : CG/JU
 Sample : L1697-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 05:45:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	166146	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	654299	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	368127	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	656004	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	407812	20.00	ng	-0.02
87) Perylene-d12	15.31	264	433352	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	799543	80.42	ng	-0.01
7) Phenol-d6	6.38	99	981858	81.20	ng	-0.02
23) Nitrobenzene-d5	7.30	82	650010	52.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	370731	76.98	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1232630	49.33	ng	-0.02
79) Terphenyl-d14	12.83	244	1239331	52.32	ng	-0.02

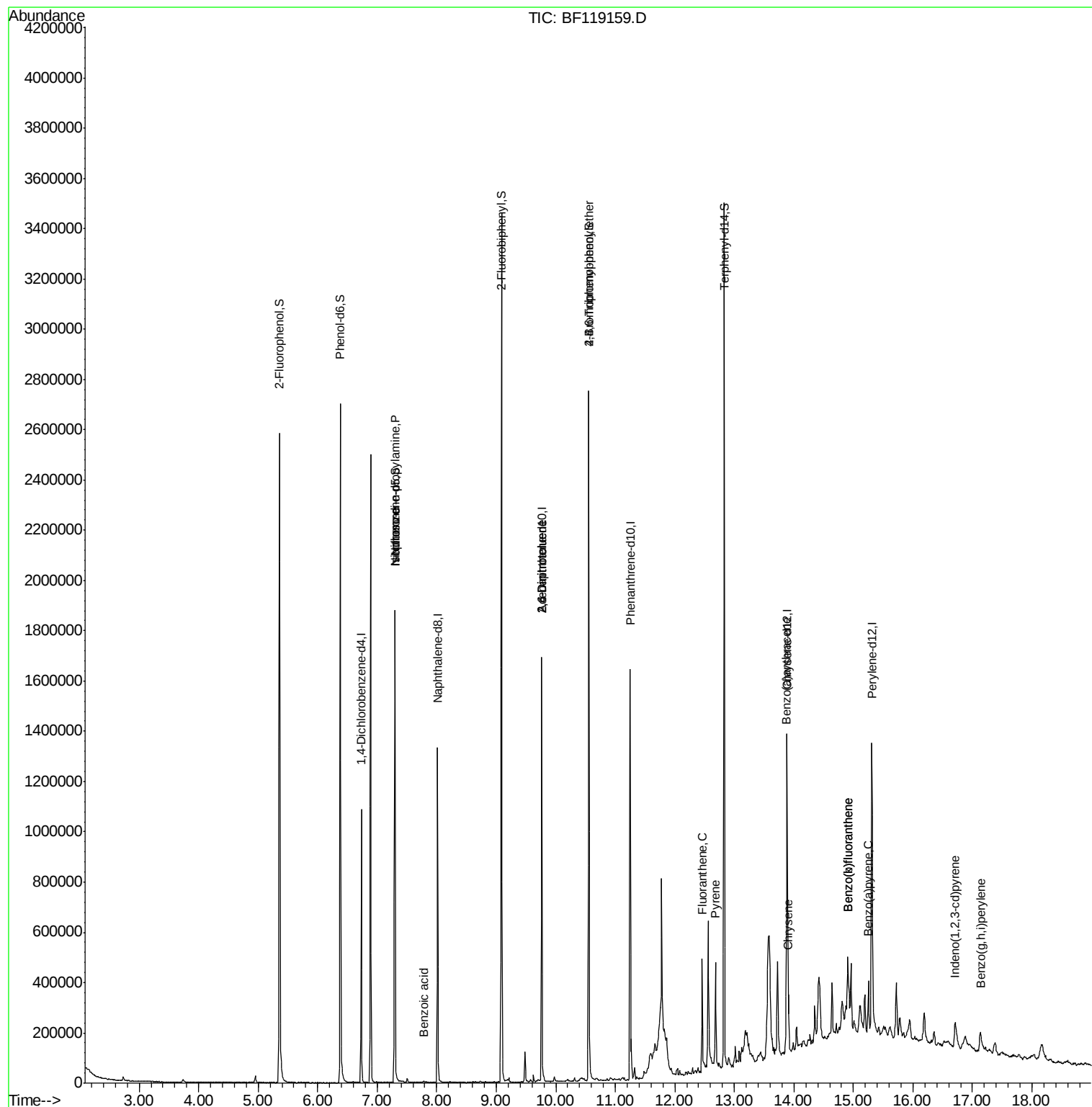
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	90555	12.853	ng	# 74
25) Isophorone	7.30	82	642249	29.843	ng	# 63
32) Benzoic acid	7.79	122	108	6.695	ng	# 46
51) 2,6-Dinitrotoluene	9.76	165	47295	7.562	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	47295	5.834	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	23898	2.787	ng	# 1
75) Fluoranthene	12.46	202	178664	4.705	ng	99
78) Pyrene	12.69	202	161545	4.933	ng	97
81) Benzo(a)anthracene	13.87	228	103803	3.736	ng	97
83) Chrysene	13.91	228	87511	3.161	ng	98
86) Indeno(1,2,3-cd)pyrene	16.71	276	61748	2.303	ng	94
88) Benzo(b)fluoranthene	14.90	252	183318	6.418	ng	96
89) Benzo(k)fluoranthene	14.90	252	183318	6.925	ng	95
90) Benzo(a)pyrene	15.25	252	93558	3.629	ng	99
92) Benzo(a,h,i)perylene	17.13	276	54598	2.436	ng	# 94

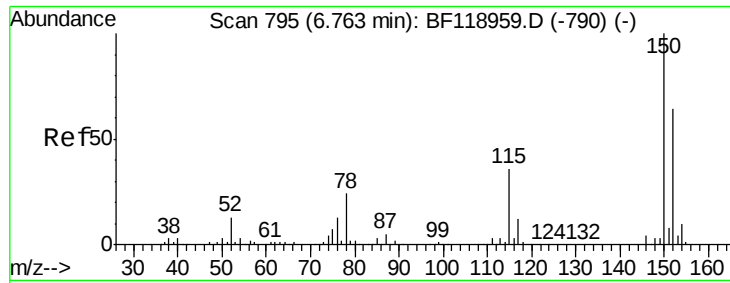
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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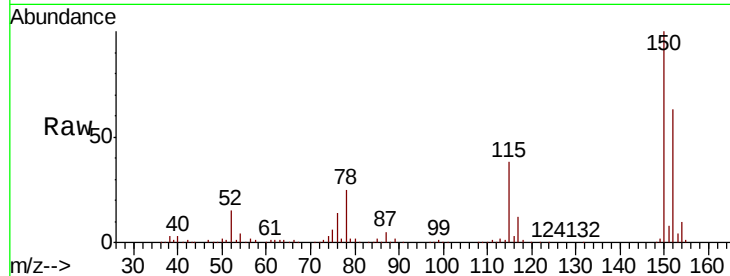


#1

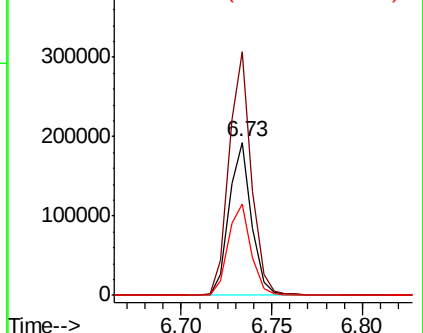
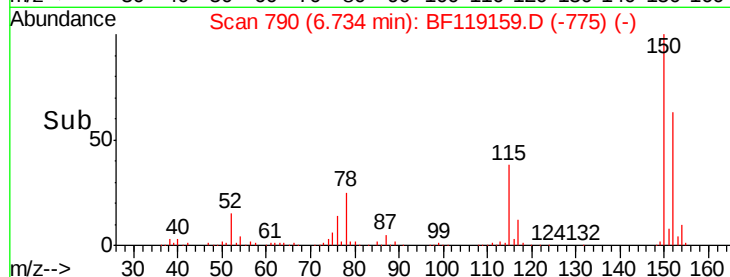
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 166146
 Ion Ratio Lower Upper
 152 100
 150 158.8 123.0 184.6
 115 59.9 49.5 74.3



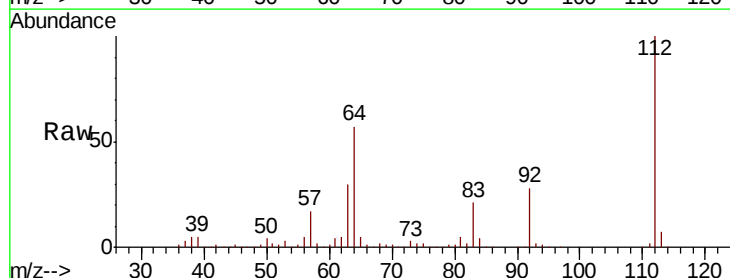
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



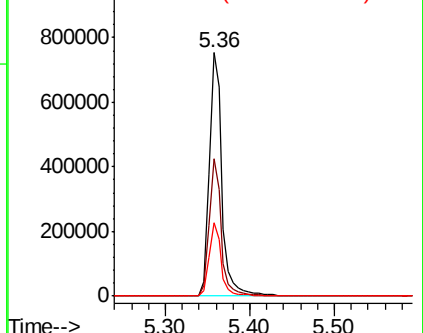
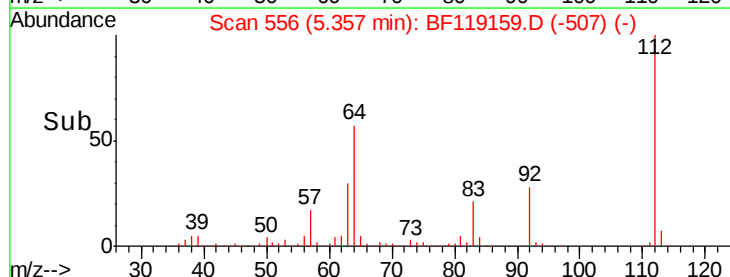
#5

2-Fluorophenol
 Concen: 80.422 ng
 RT: 5.36 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Tgt Ion:112 Resp: 799543
 Ion Ratio Lower Upper
 112 100
 64 56.6 45.0 67.4
 63 30.3 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: 81.205 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

Instrument :

BNA_F

ClientSampleId :

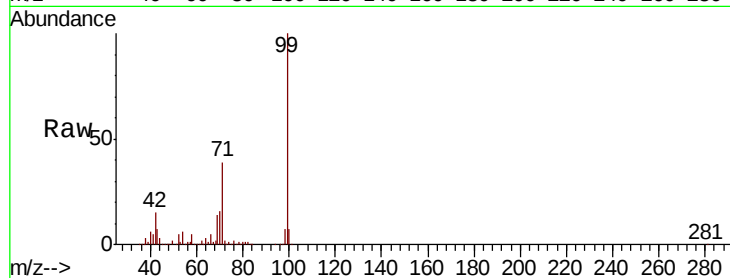
Tot Ion: 99 Resp: 981858

Ion Ratio Lower Upper

99 100

42 14.9 12.6 18.8

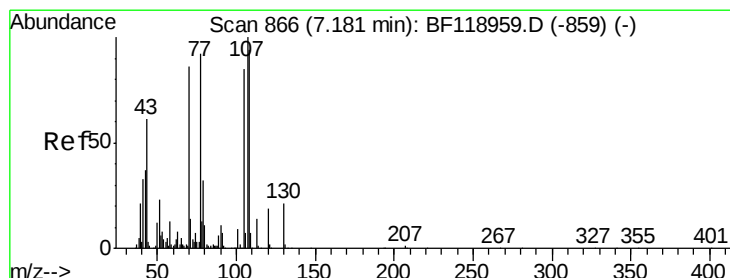
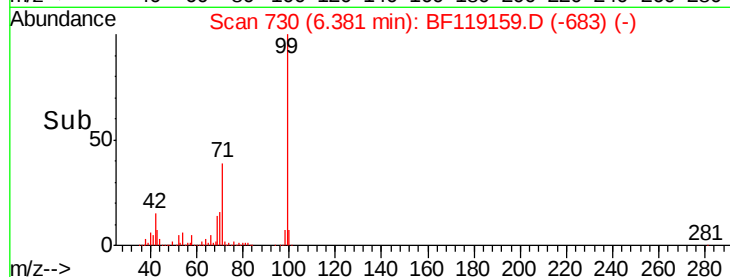
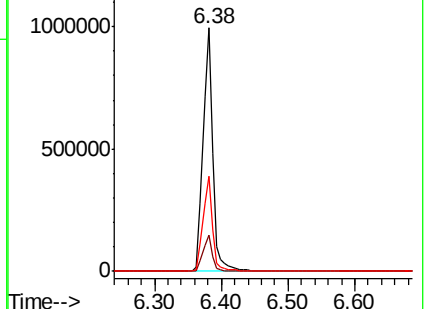
71 38.9 31.0 46.4



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: 12.853 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

Tgt Ion: 70 Resp: 90555

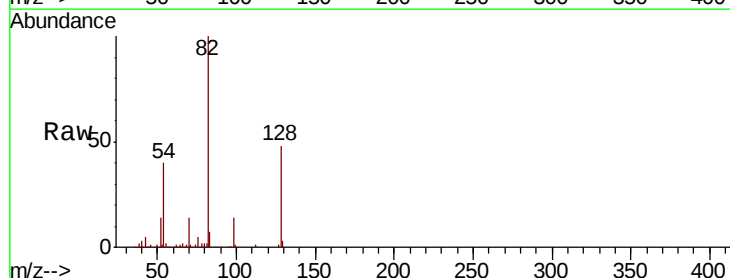
Ion Ratio Lower Upper

70 100

42 35.7 38.0 57.0#

101 0.0 8.2 12.4#

130 2.1 18.2 27.4#

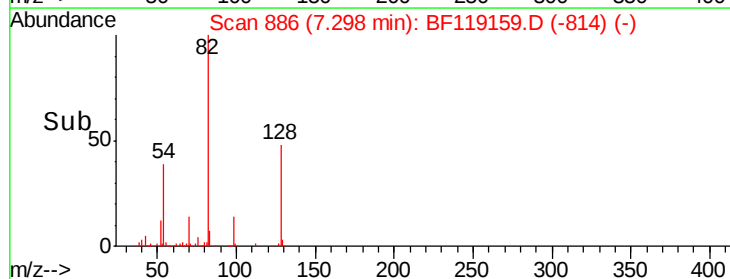
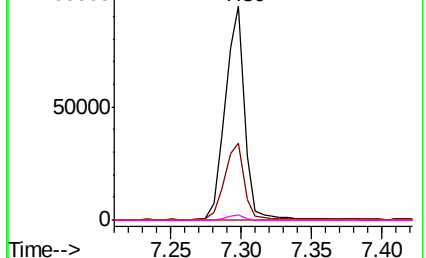


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

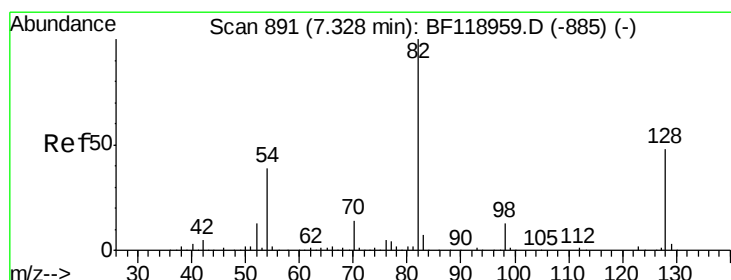
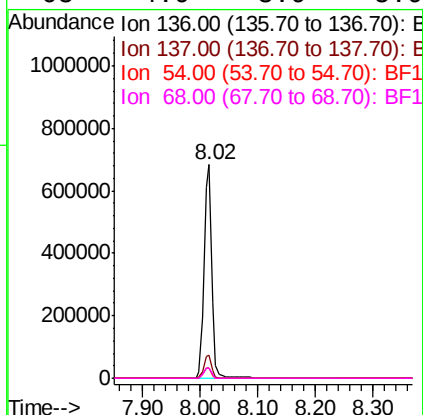
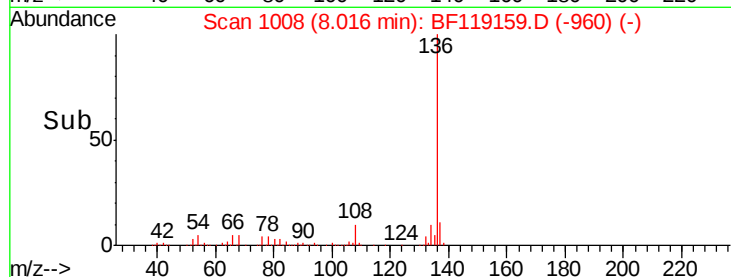
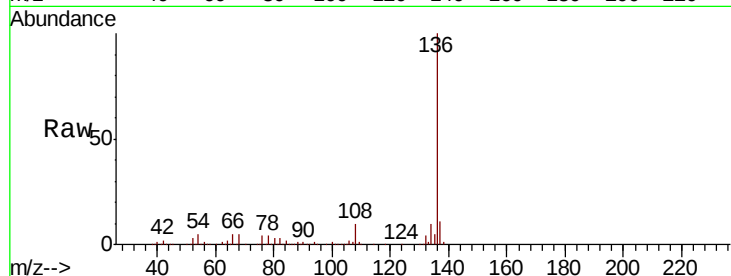




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

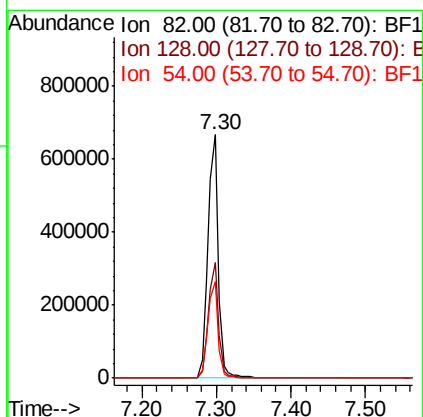
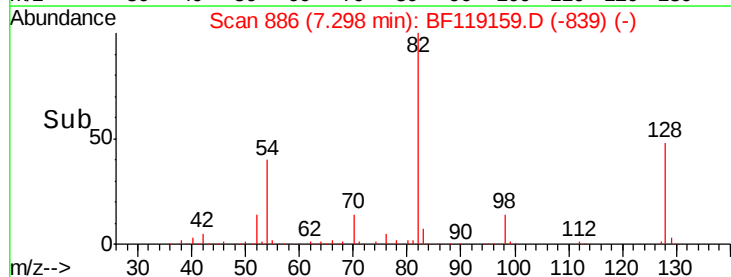
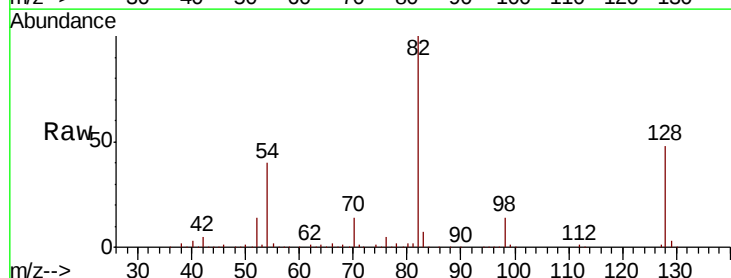
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 654299
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 4.5	3.8 5.6
68 4.9	3.9 5.9



#23
Nitrobenzene-d5
Concen: 52.454 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt	Ion: 82	Resp:	650010
Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.9	56.9
54	39.6	33.4	50.2





#25

Isophorone

Concen: 29.843 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

Instrument :

BNA_F

ClientSampleId :

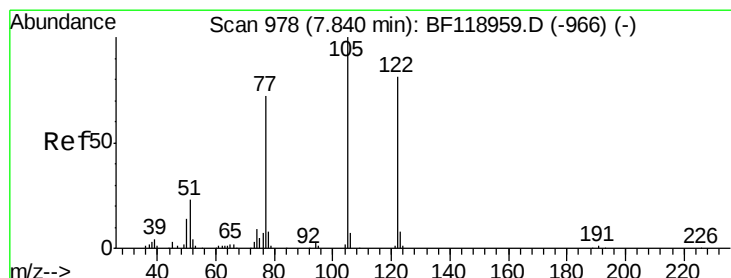
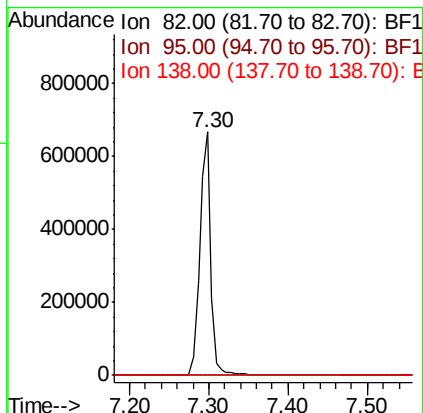
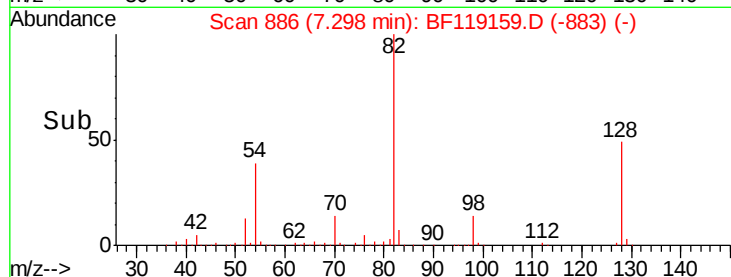
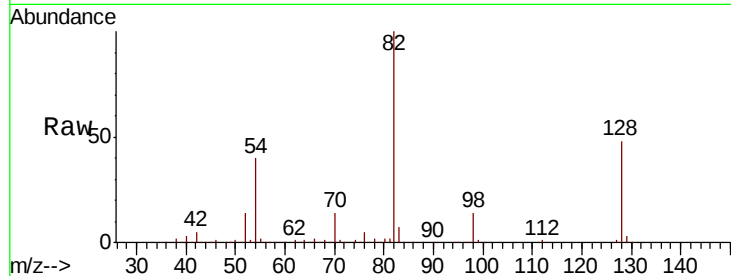
Tot Ion: 82 Resp: 642249

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 15.7 23.5#



#32

Benzoic acid

Concen: 6.695 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.07 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

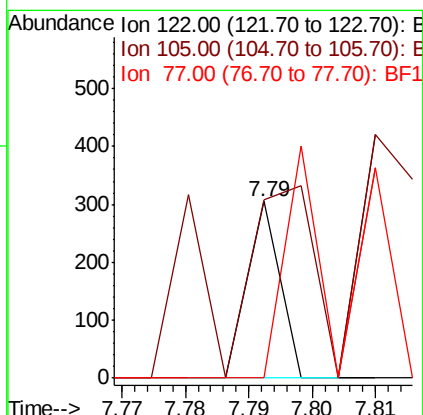
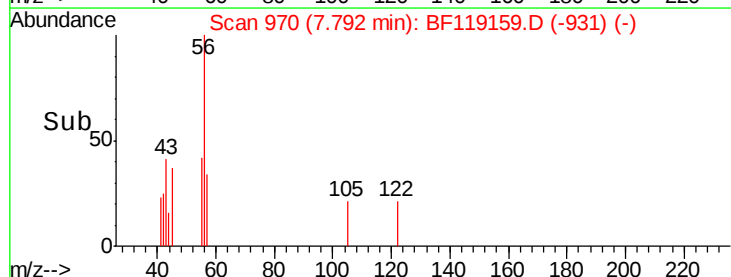
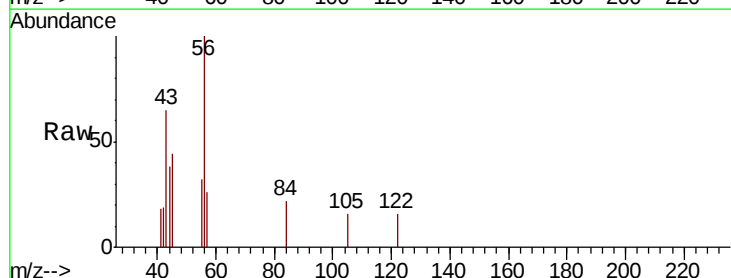
Tgt Ion: 122 Resp: 108

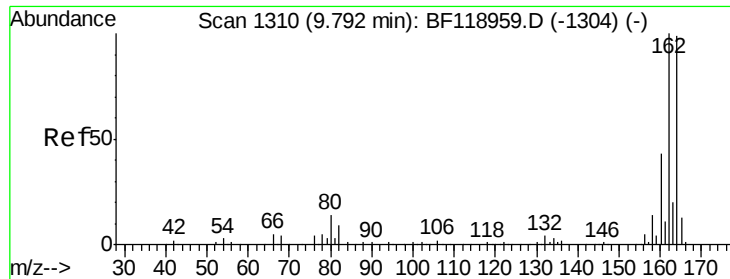
Ion Ratio Lower Upper

122 100

105 101.3 106.3 146.3#

77 0.0 73.1 113.1#

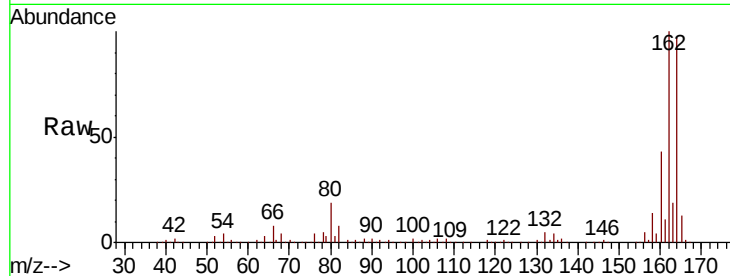




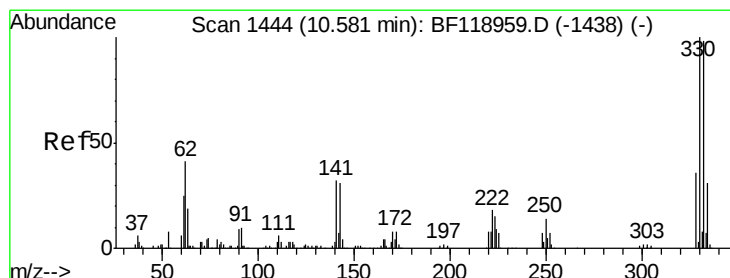
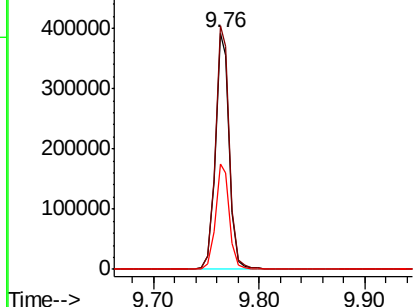
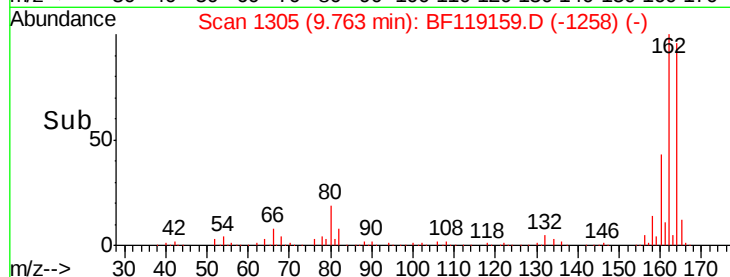
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 368127
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.8 122.8
 160 44.6 36.0 54.0

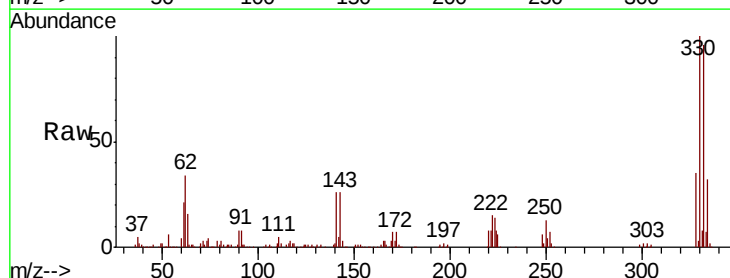


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

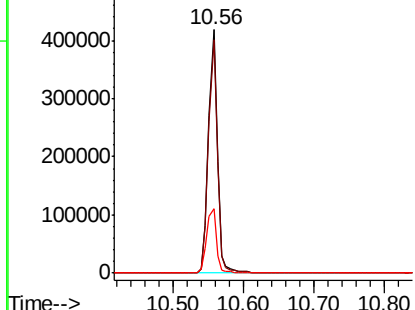
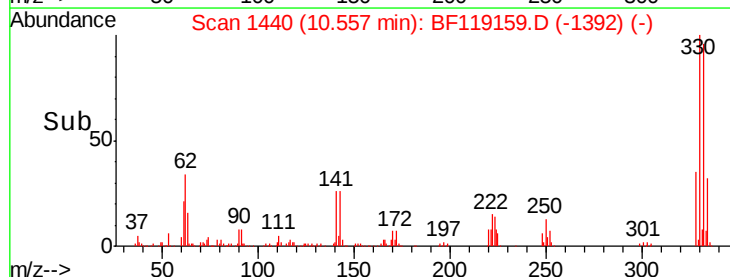


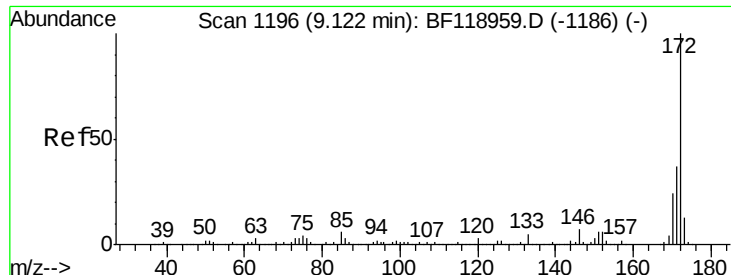
#42
 2,4,6-Tribromophenol
 Concen: 76.983 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Tgt Ion:330 Resp: 370731
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.0 114.0
 141 29.2 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

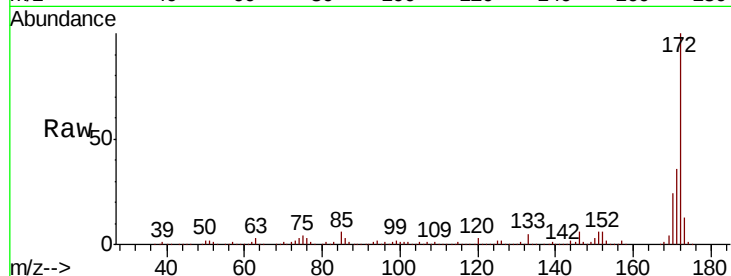




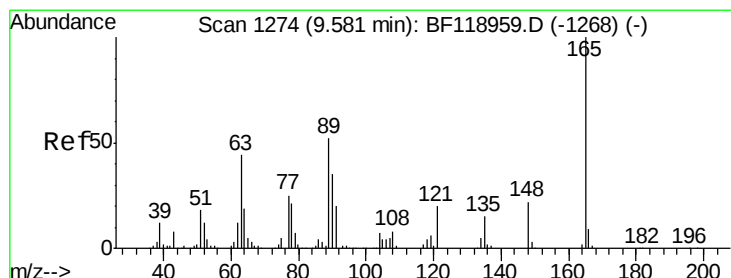
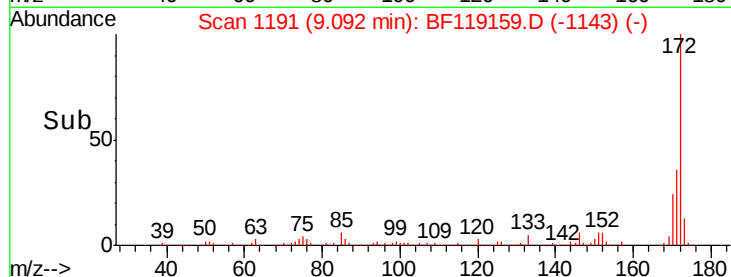
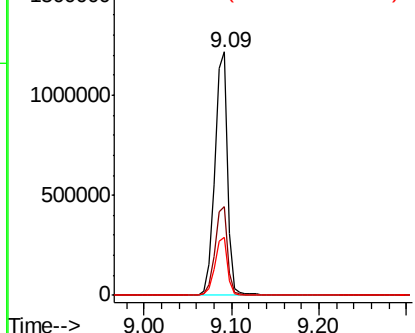
#45
2-Fluorobiphenyl
Concen: 49.327 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1232630
Ion Ratio Lower Upper
172 100
171 36.3 30.6 45.8
170 24.0 20.2 30.2

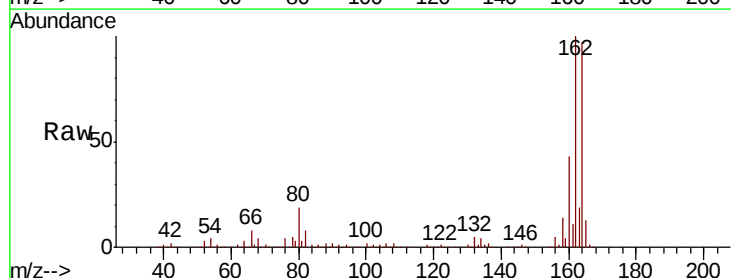


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

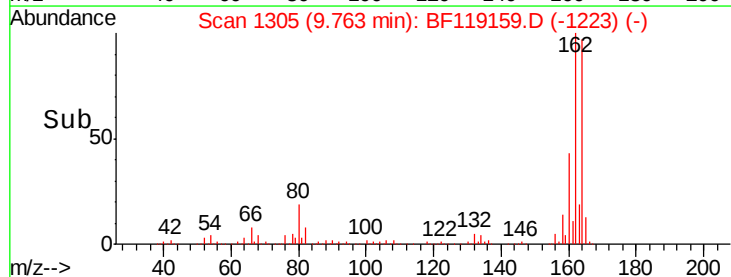
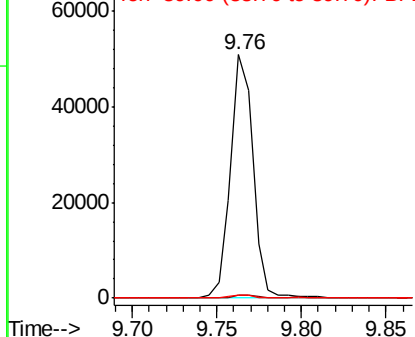


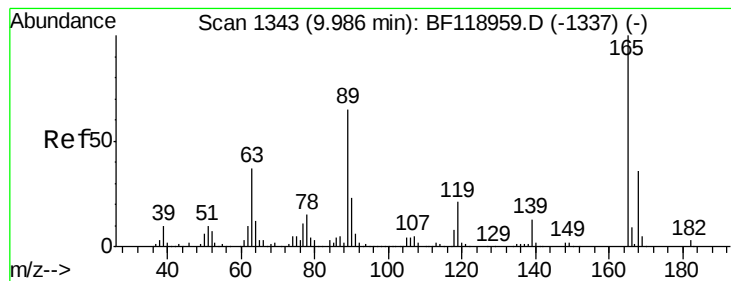
#51
2,6-Dinitrotoluene
Concen: 7.562 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.18 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion:165 Resp: 47295
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.4 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





#57

2,4-Dinitrotoluene

Concen: 5.834 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.22 min

Lab File: BF119159.D

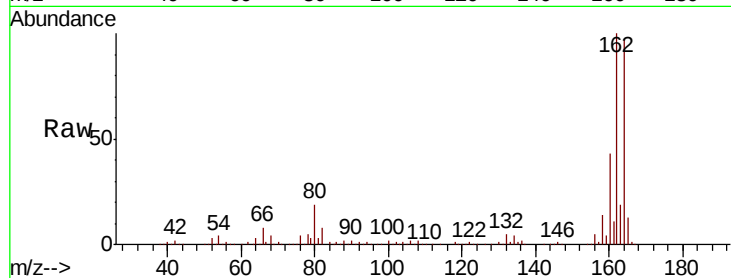
Acq: 29 Feb 2020 15:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	47295
Ion Ratio	Lower	Upper
165	100	
63	1.2	42.3 63.5#
89	1.4	60.2 90.4#
182	0.0	2.3 3.5#

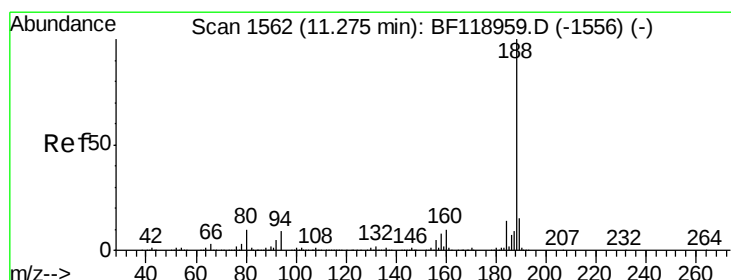
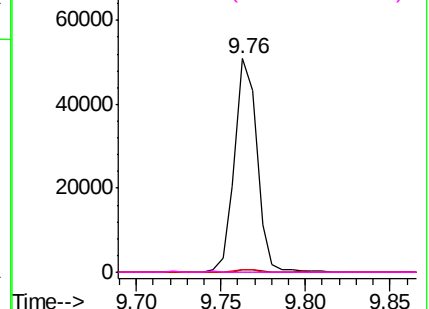
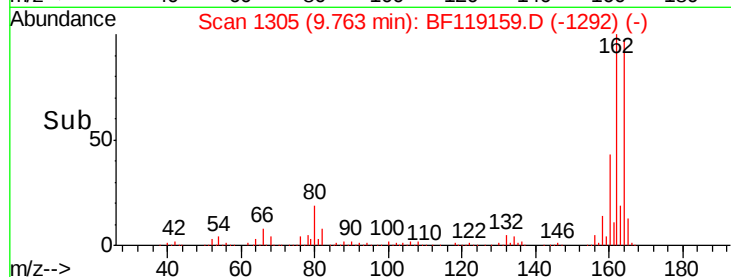


Abundance Ion 165.00 (164.70 to 165.70): E

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

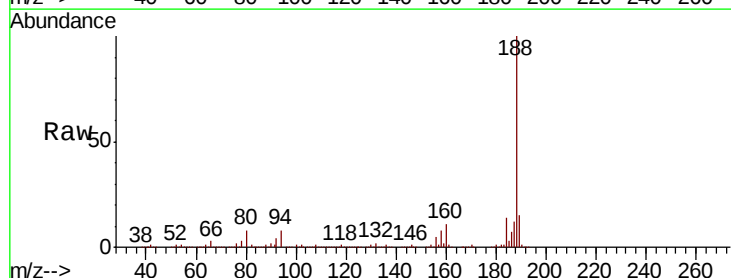
RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

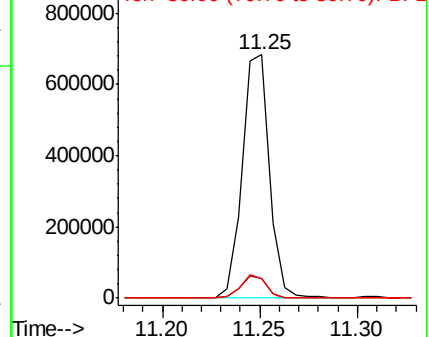
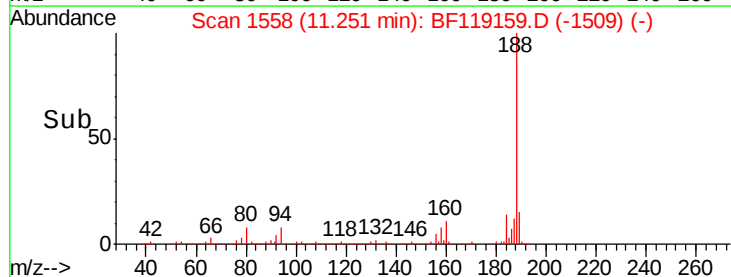
Tgt Ion:188	Resp:	656004
Ion Ratio	Lower	Upper
188	100	
94	8.1	7.1 10.7
80	8.2	7.8 11.8

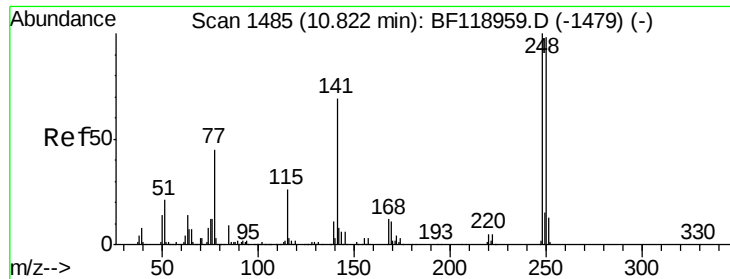


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

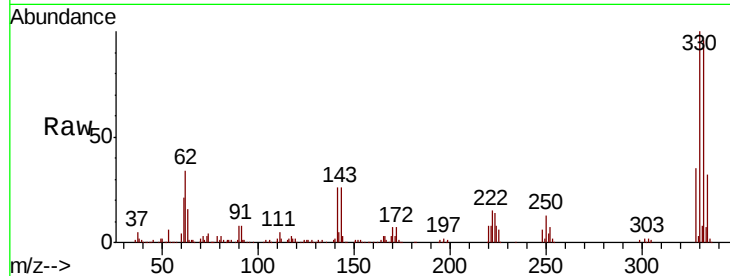




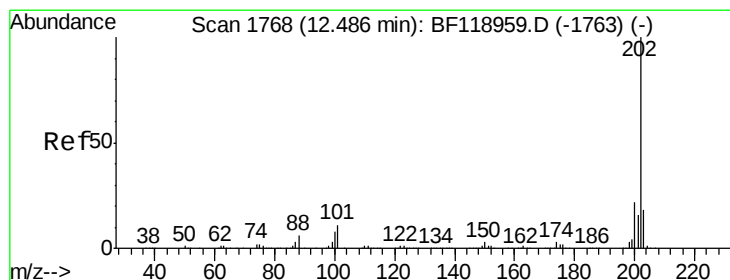
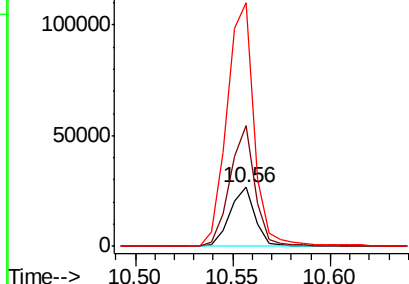
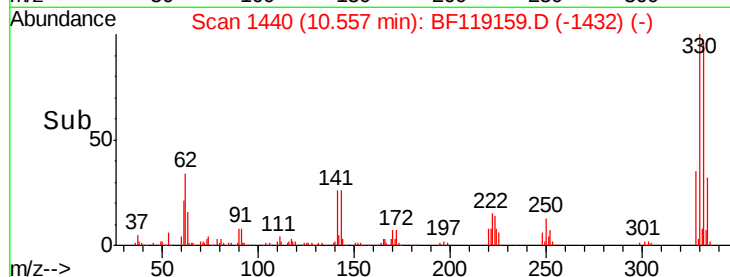
#67
4-Bromophenyl-phenylether
Concen: 2.787 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 23898
Ion Ratio Lower Upper
248 100
250 206.0 76.7 115.1#
141 413.3 60.7 91.1#

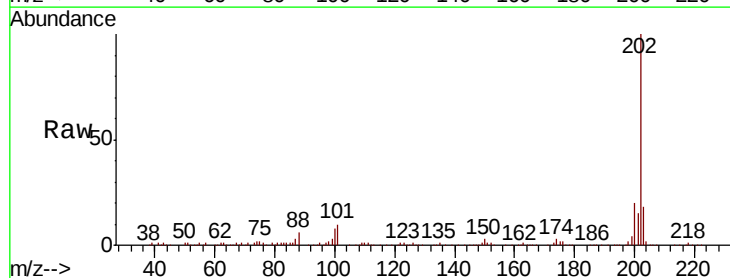


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

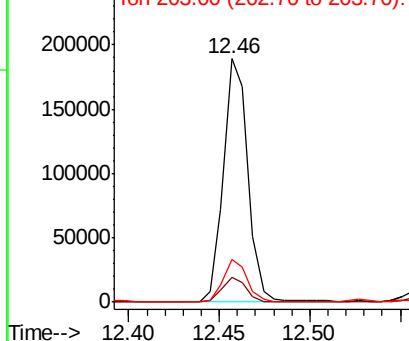
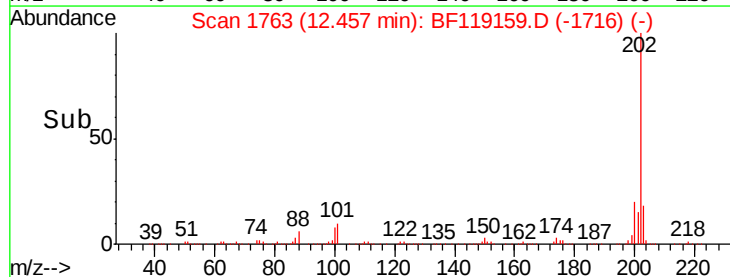


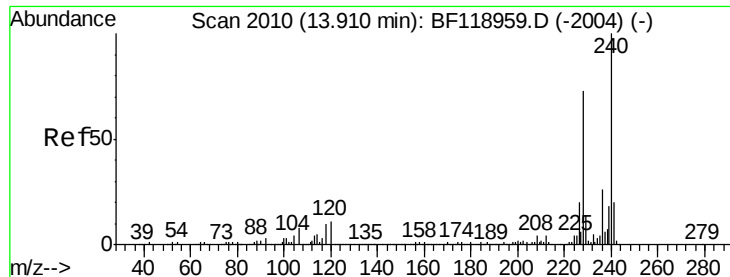
#75
Fluoranthene
Concen: 4.705 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion:202 Resp: 178664
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.3
203 17.5 0.0 38.4



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

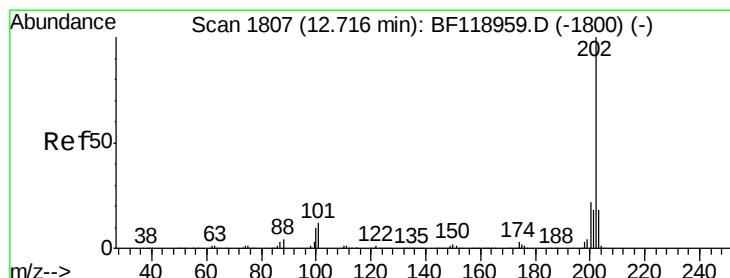
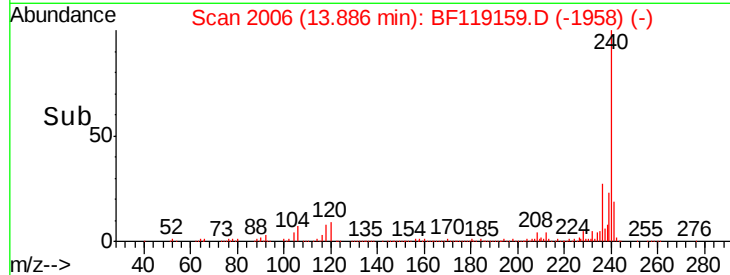
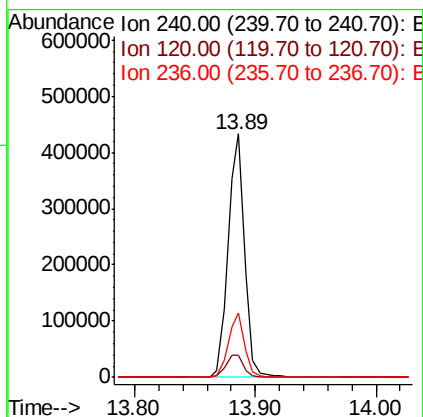
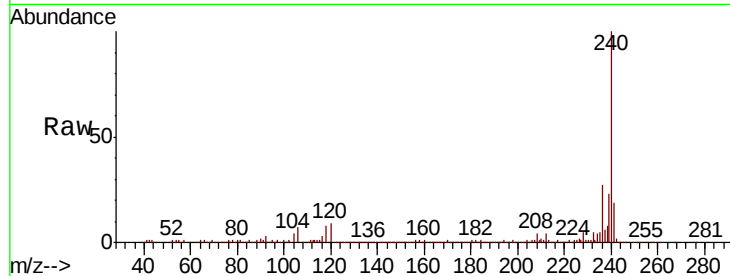




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

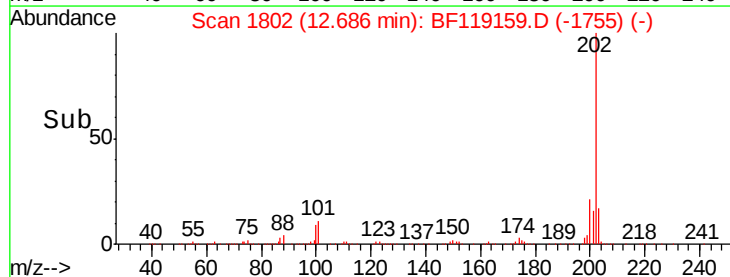
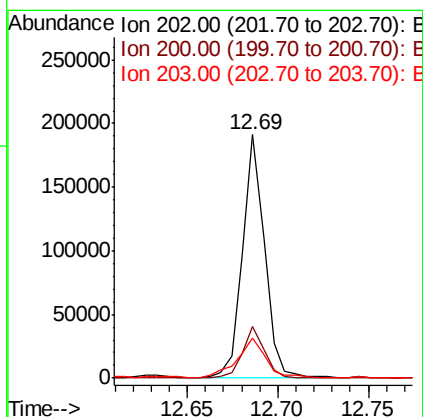
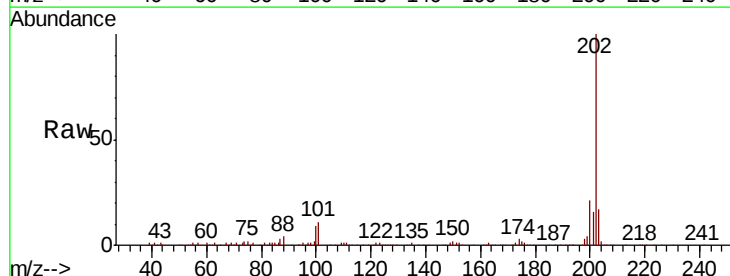
Instrument :
 BNA_F
 ClientSampleID :

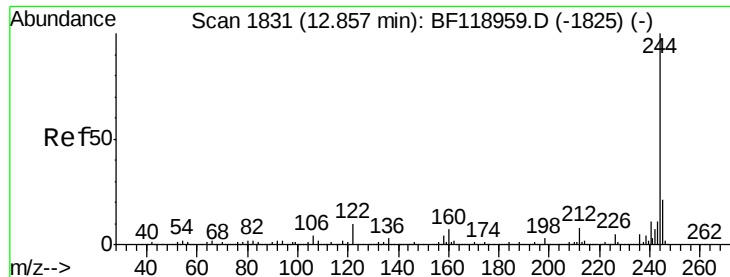
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.4	12.6
236	26.6	21.0	31.4



#78
 Pyrene
 Concen: 4.933 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	16.7	14.6	22.0

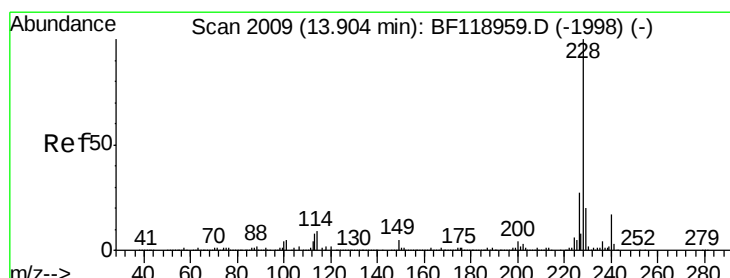
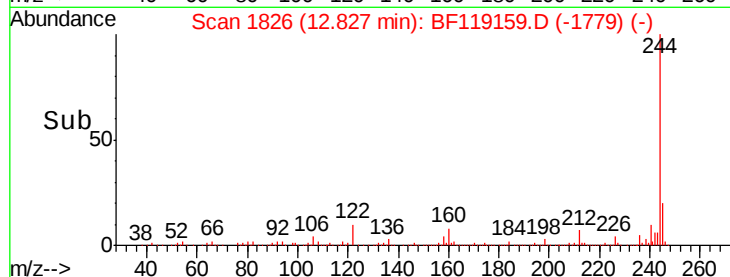
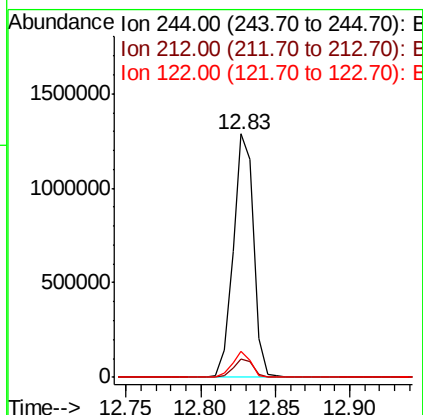
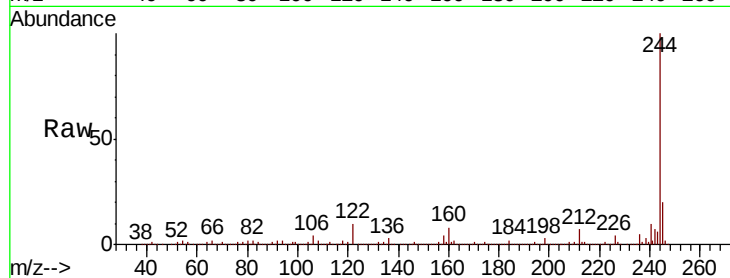




#79
 Terphenyl-d14
 Concen: 52.321 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

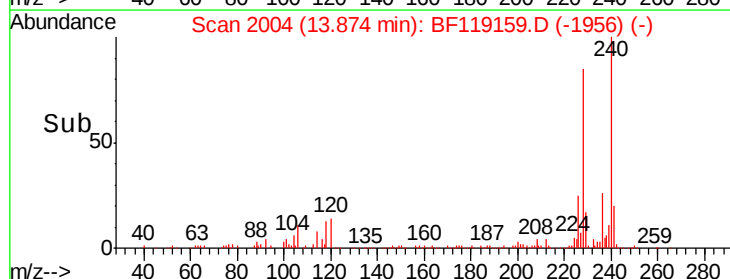
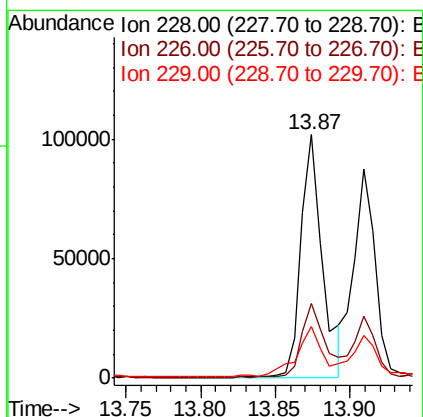
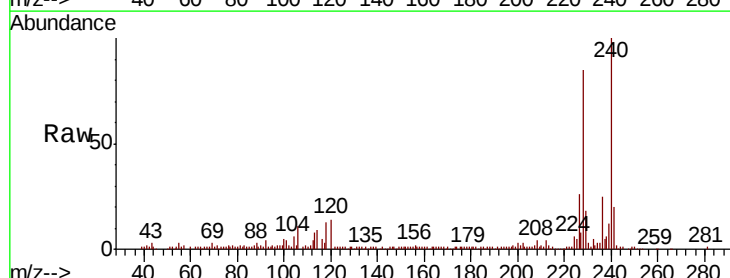
Instrument :
 BNA_F
 ClientSampleId :

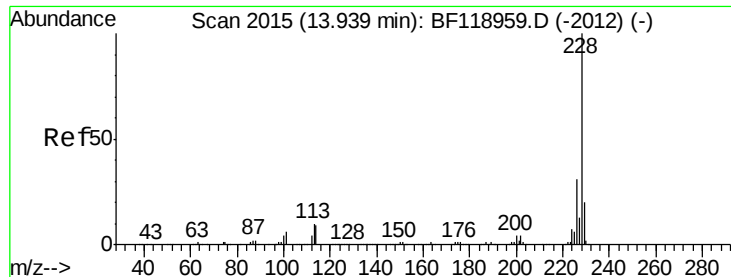
Tot Ion:244 Resp: 1239331
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.6 10.0
 122 10.5 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 3.736 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Tgt Ion:228 Resp: 103803
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 21.3 16.6 24.8

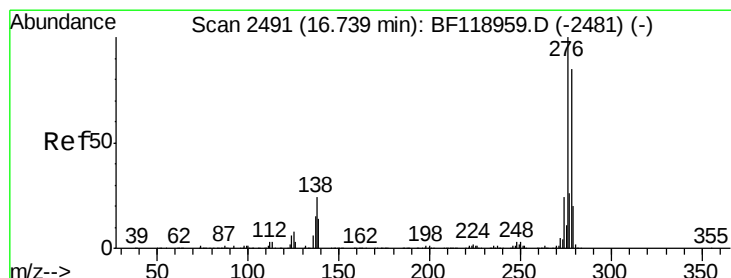
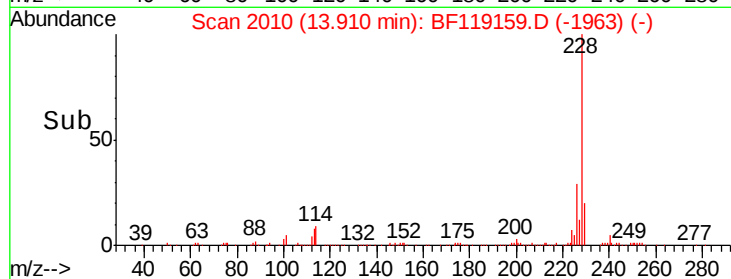
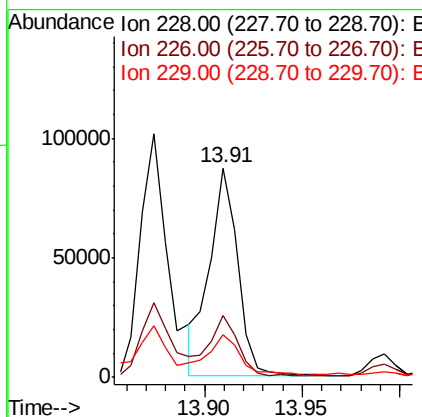
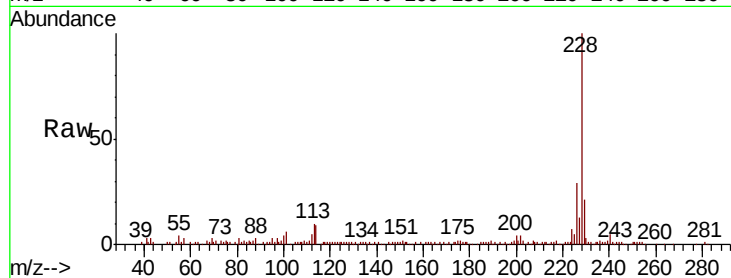




#83
Chrysene
Concen: 3.161 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

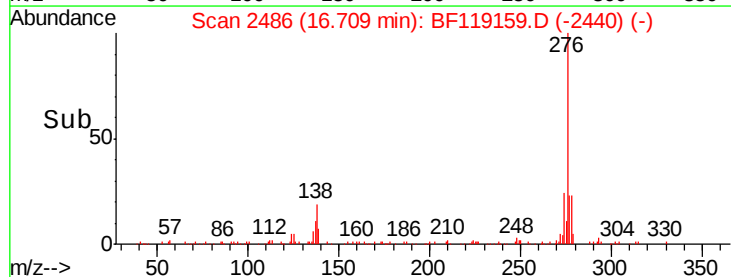
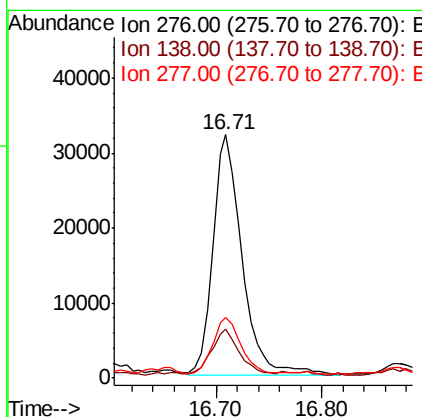
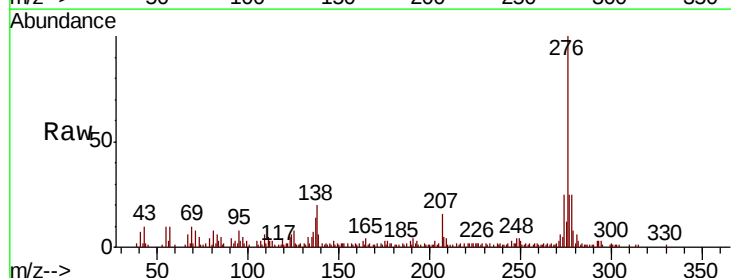
Instrument :
BNA_F
ClientSampled :

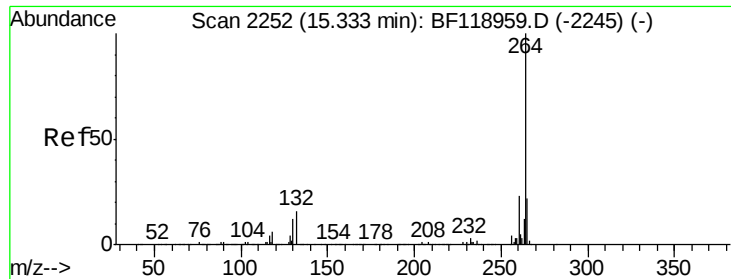
Tot Ion:228 Resp: 87511
Ion Ratio Lower Upper
228 100
226 29.5 25.1 37.7
229 20.6 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.303 ng
RT: 16.71 min Scan# 2486
Delta R.T. -0.03 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion:276 Resp: 61748
Ion Ratio Lower Upper
276 100
138 18.2 17.4 26.0
277 22.7 20.3 30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. -0.01 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

Instrument :

BNA_F

ClientSampleId :

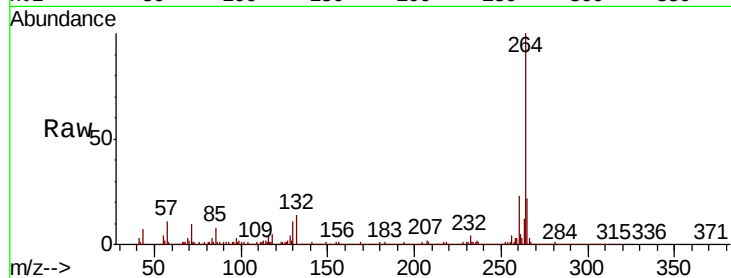
Tot Ion:264 Resp: 433352

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

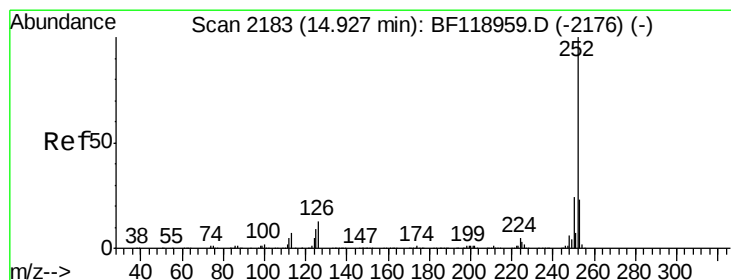
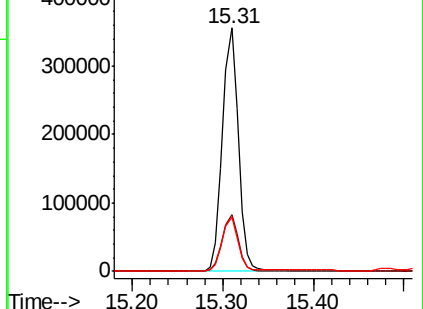
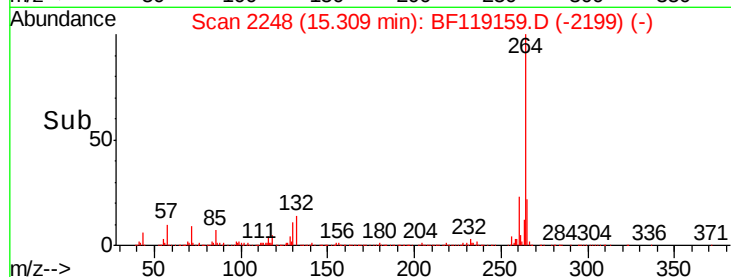
265 22.2 17.7 26.5



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: 6.418 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

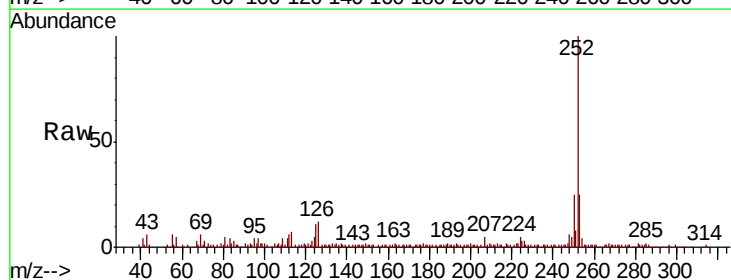
Tgt Ion:252 Resp: 183318

Ion Ratio Lower Upper

252 100

253 24.7 18.1 27.1

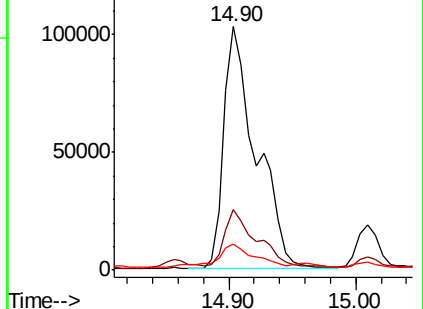
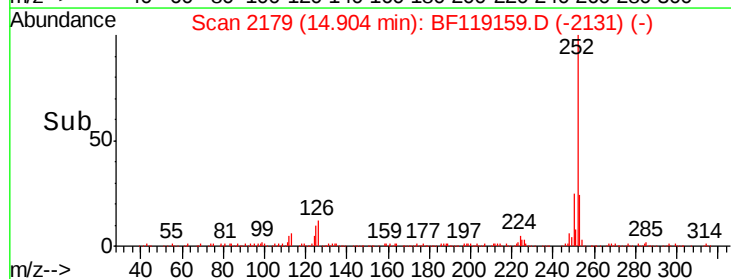
125 10.7 7.4 11.0

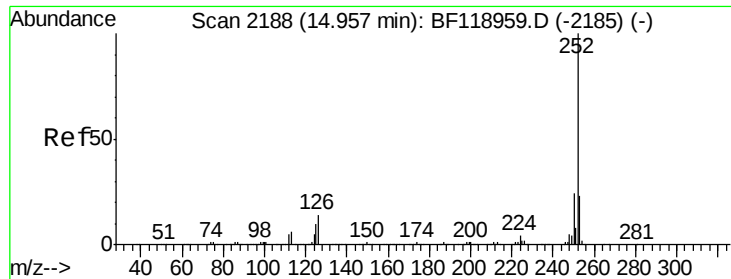


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

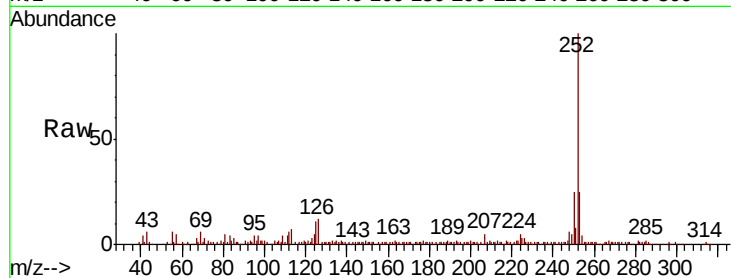




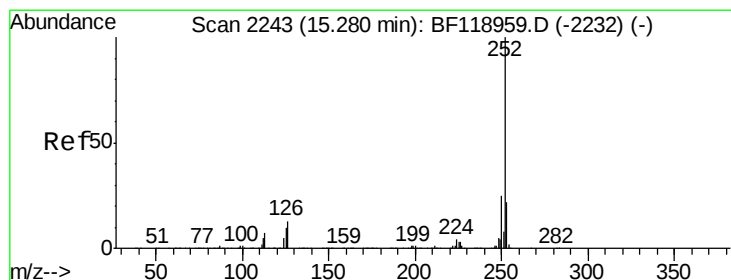
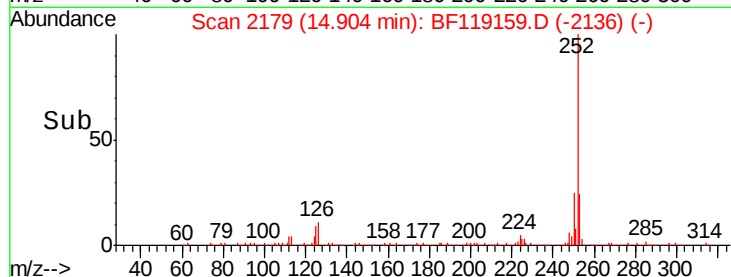
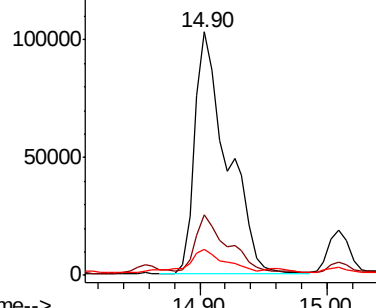
#89
Benzo(k)fluoranthene
Concen: 6.925 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.05 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	10.7	7.5	11.3

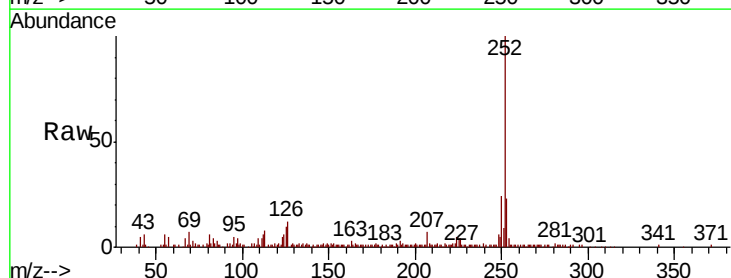


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

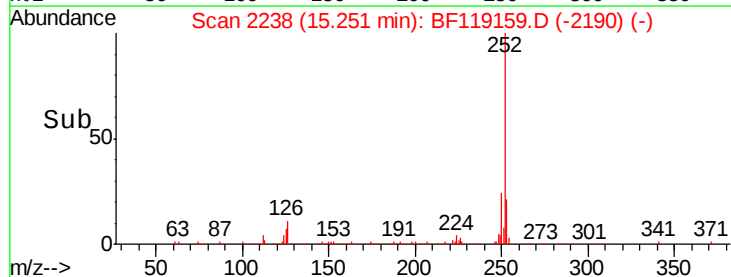
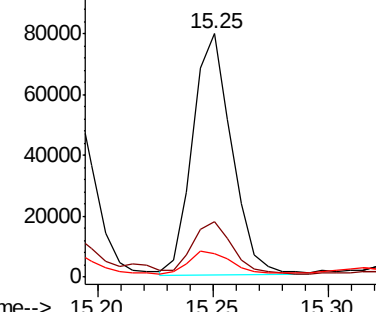


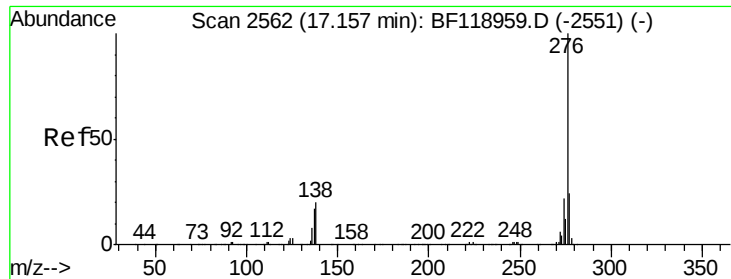
#90
Benzo(a)pyrene
Concen: 3.629 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	9.8	8.6	12.8



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

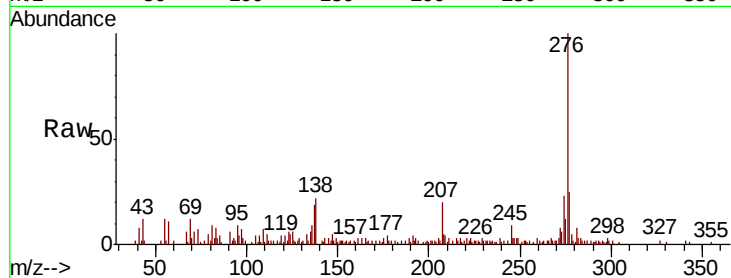




#92
 Benzo(a,h,i)perylene
 Concen: 2.436 ng
 RT: 17.13 min Scan# 2557
 Delta R.T. -0.03 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.7	28.1
138	21.7	14.3	21.5



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

