

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119287.D
 Acq On : 9 Mar 2020 15:06
 Operator : CG/JU
 Sample : L1778-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 18:09:23 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	120223	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	472038	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	269014	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	497389	20.00	ng	0.00
76) Chrysene-d12	13.88	240	300629	20.00	ng	0.00
87) Perylene-d12	15.31	264	319719	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	620479	86.25	ng	0.00
7) Phenol-d6	6.38	99	771255	88.15	ng	0.00
23) Nitrobenzene-d5	7.29	82	519615	58.12	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	284600	80.87	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1044005	57.17	ng	0.00
79) Terphenyl-d14	12.82	244	1112433	63.71	ng	0.00

Target Compounds

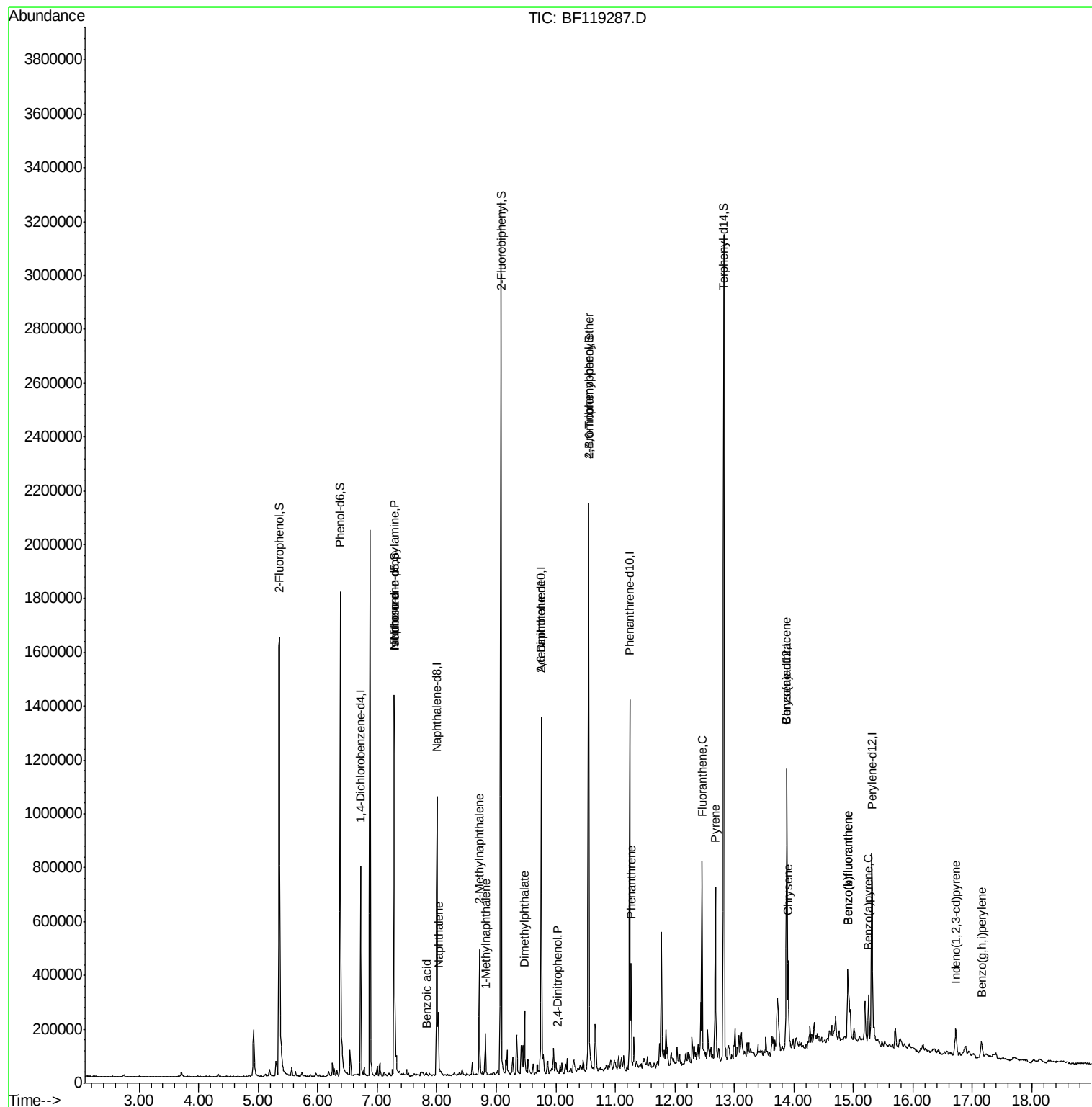
						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	73614	14.439	ng	# 77
25) Isophorone	7.29	82	519610	33.466	ng	# 63
31) Naphthalene	8.03	128	107307	4.383	ng	97
32) Benzoic acid	7.83	122	113	6.701	ng	# 1
37) 2-Methylnaphthalene	8.72	142	129171	7.841	ng	99
38) 1-Methylnaphthalene	8.82	142	43783	2.826	ng	97
50) Dimethylphthalate	9.47	163	89271	4.340	ng	98
51) 2,6-Dinitrotoluene	9.76	165	37884	8.289	ng	# 33
54) 2,4-Dinitrophenol	10.04	184	124	7.526	ng	# 23
67) 4-Bromophenyl-phenylether	10.55	248	19079	2.935	ng	# 1
71) Phenanthrene	11.26	178	147720	5.446	ng	97
75) Fluoranthene	12.46	202	291981	10.141	ng	97
78) Pvrene	12.68	202	267437	11.079	ng	98
81) Benzo(a)anthracene	13.87	228	133222	6.504	ng	98
83) Chrysene	13.91	228	141521	6.934	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	52555	2.659	ng	96
88) Benzo(b)fluoranthene	14.90	252	189810	9.007	ng	99
89) Benzo(k)fluoranthene	14.90	252	189810	9.719	ng	99
90) Benzo(a)pvrene	15.26	252	87173	4.583	ng	99
92) Benzo(a,h,i)perylene	17.15	276	52812	3.194	ng	94

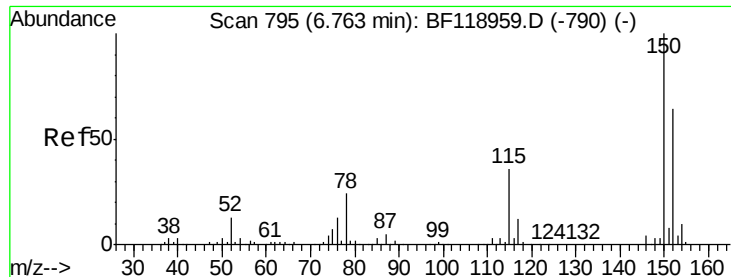
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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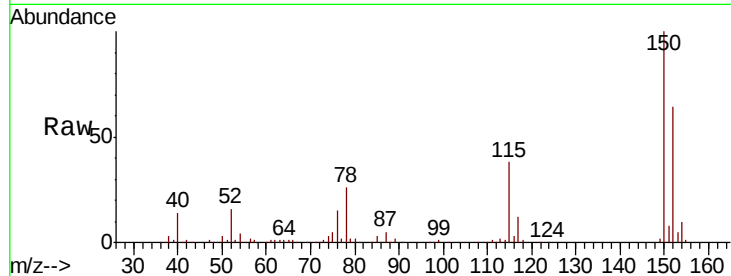


#1

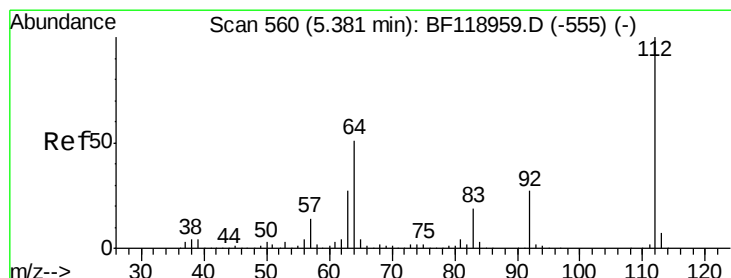
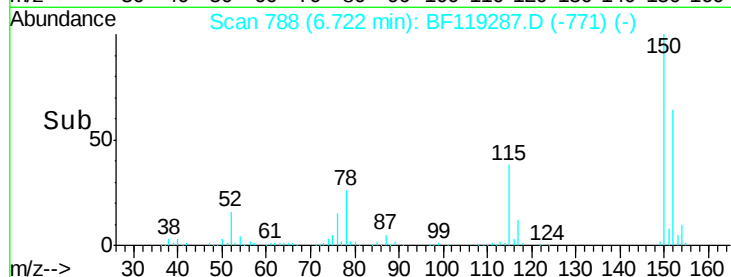
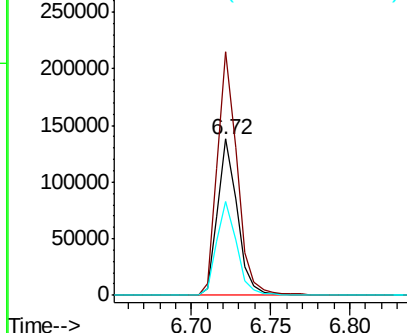
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 120223
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.0 184.6
 115 59.7 49.5 74.3



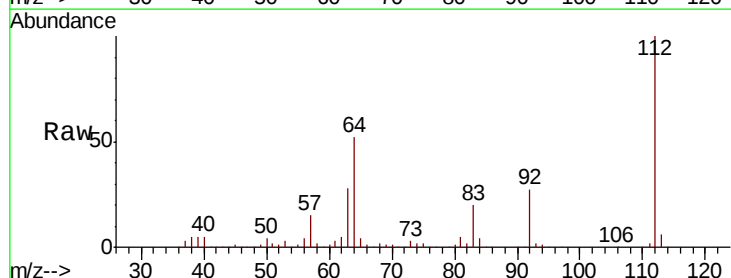
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



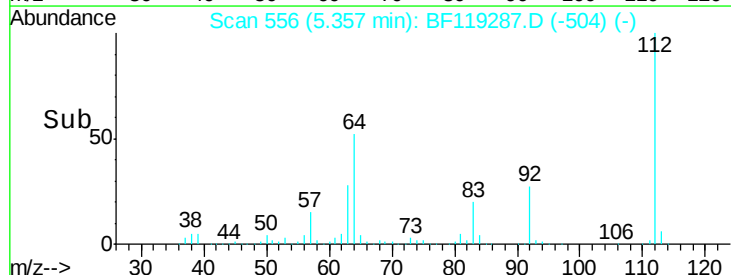
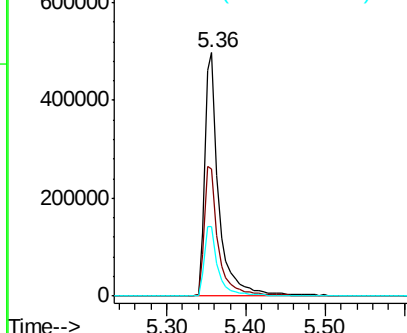
#5

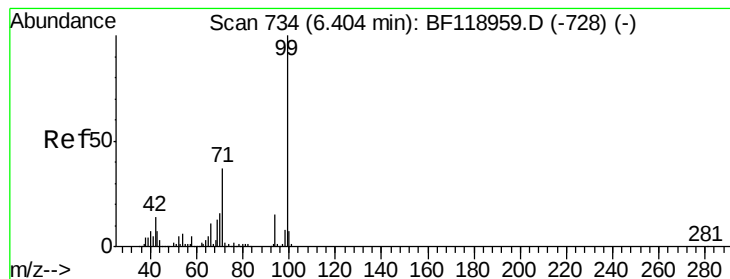
2-Fluorophenol
 Concen: 86.251 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Tgt Ion:112 Resp: 620479
 Ion Ratio Lower Upper
 112 100
 64 52.4 45.0 67.4
 63 28.4 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: 88.152 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

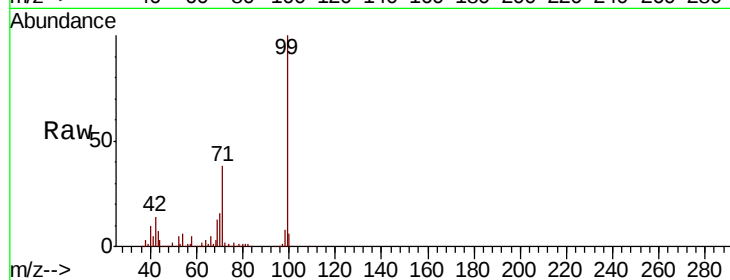
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 771255

Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.6	18.8
71	38.1	31.0	46.4

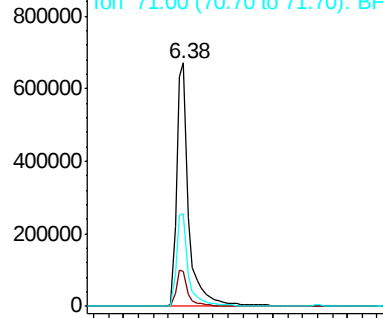


Abundance

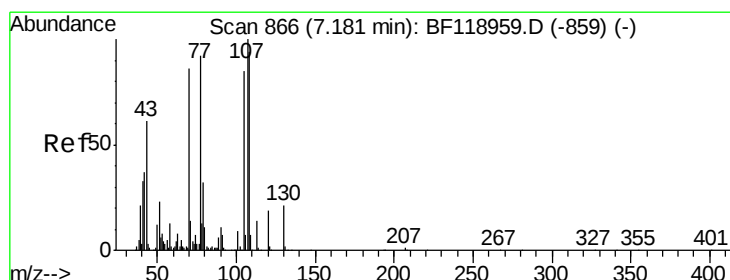
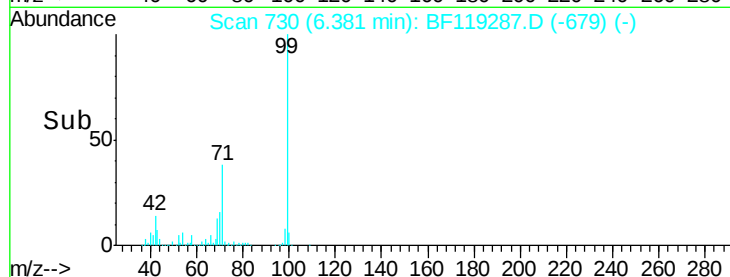
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.439 ng

RT: 7.29 min Scan# 884

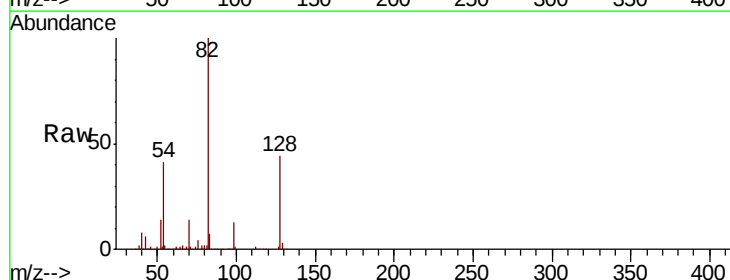
Delta R.T. 0.14 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Tgt Ion: 70 Resp: 73614

Ion	Ratio	Lower	Upper
70	100		
42	39.1	38.0	57.0
101	0.0	8.2	12.4#
130	2.3	18.2	27.4#



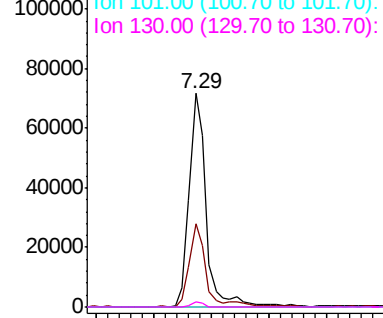
Abundance

Ion 70.00 (69.70 to 70.70): BF1

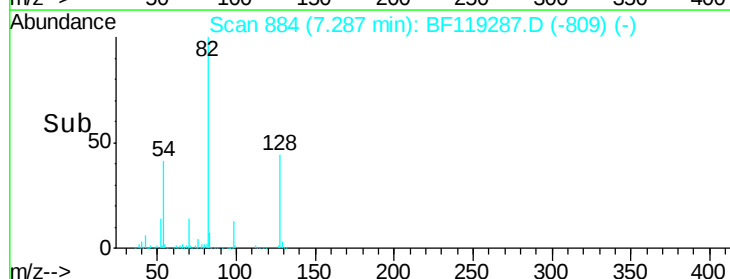
Ion 42.00 (41.70 to 42.70): BF1

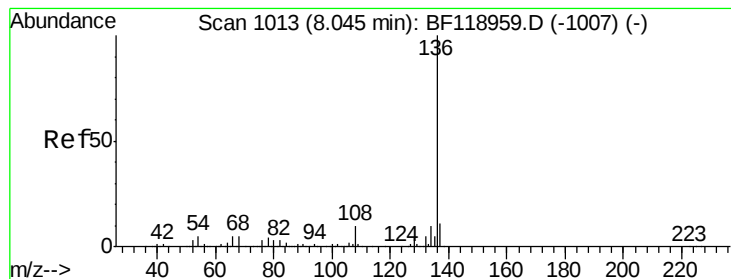
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 472038

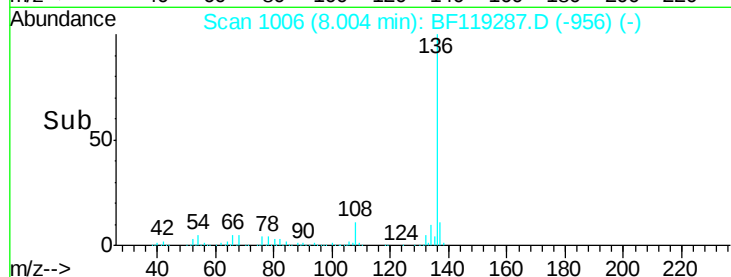
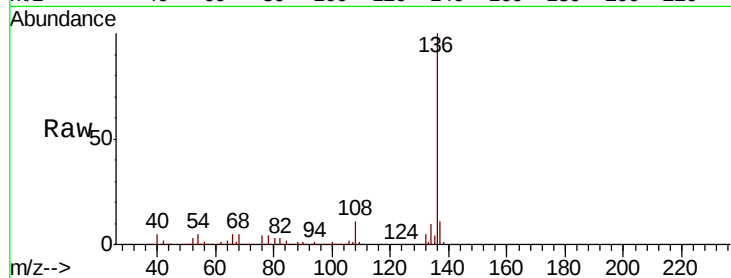
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 5.0 3.8 5.6

68 5.1 3.9 5.9

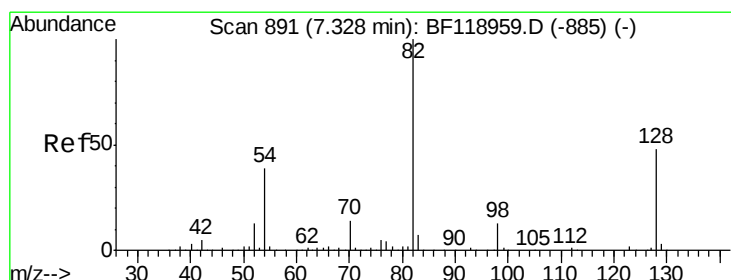
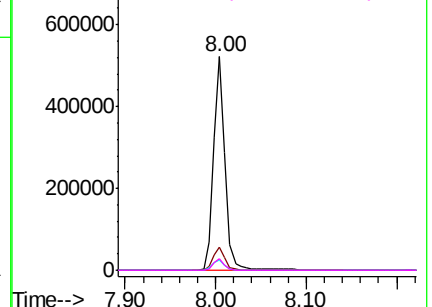


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.122 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

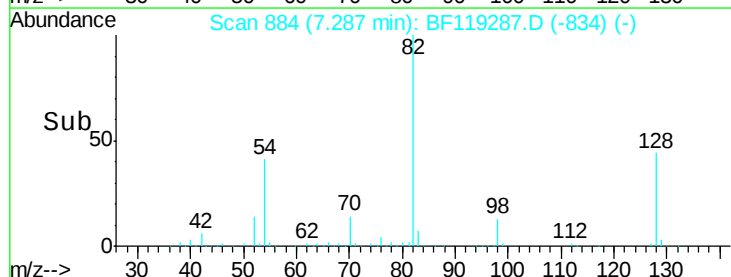
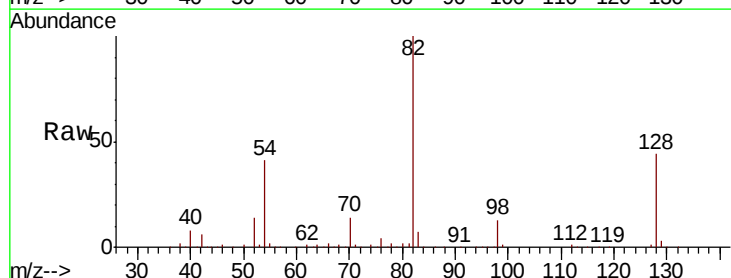
Tgt Ion: 82 Resp: 519615

Ion Ratio Lower Upper

82 100

128 44.4 37.9 56.9

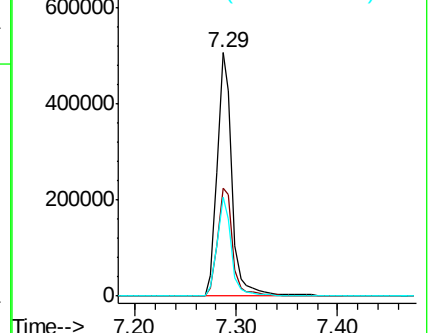
54 40.9 33.4 50.2

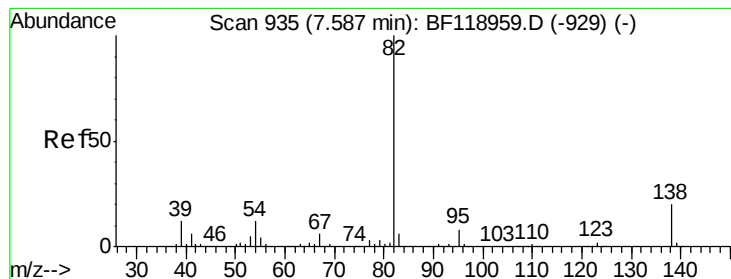


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.466 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

ClientSampleId :

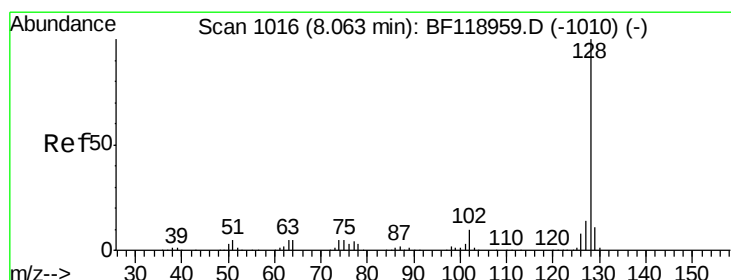
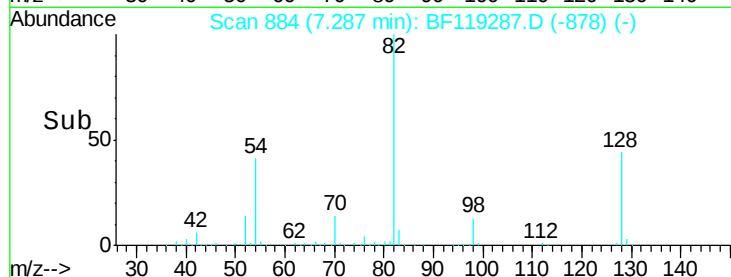
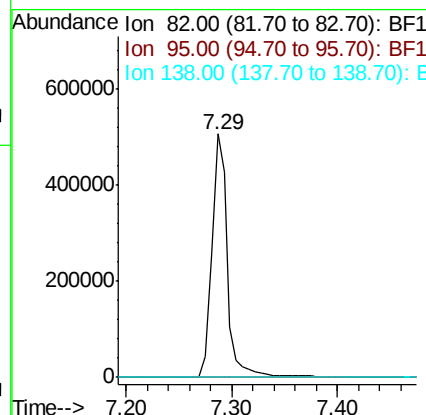
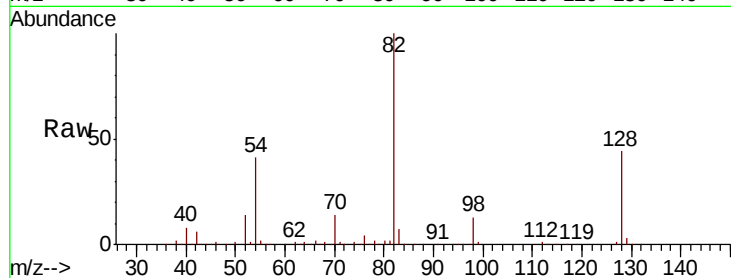
Tot Ion: 82 Resp: 519610

Ion Ratio Lower Upper

82 100

95 0.1 6.4 9.6#

138 0.0 15.7 23.5#



#31

Naphthalene

Concen: 4.383 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

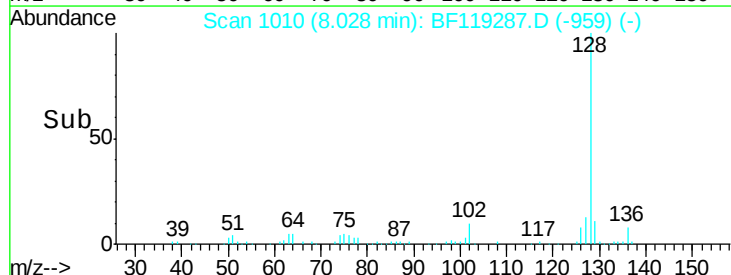
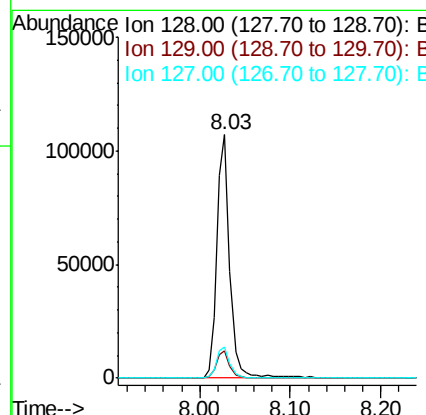
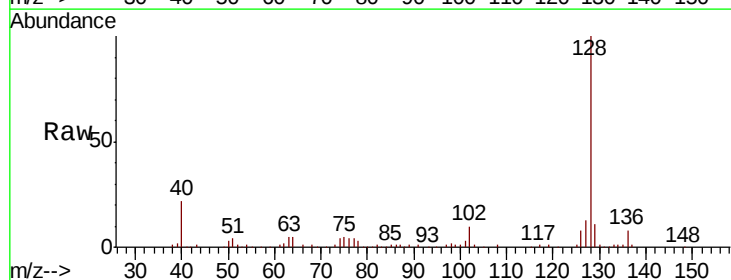
Tgt Ion: 128 Resp: 107307

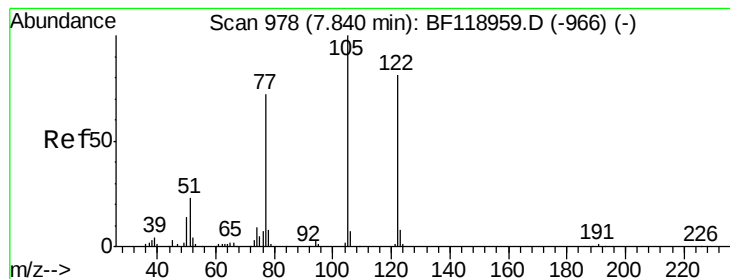
Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

127 13.1 11.4 17.2





#32

Benzoic acid

Concen: 6.701 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF119287.D

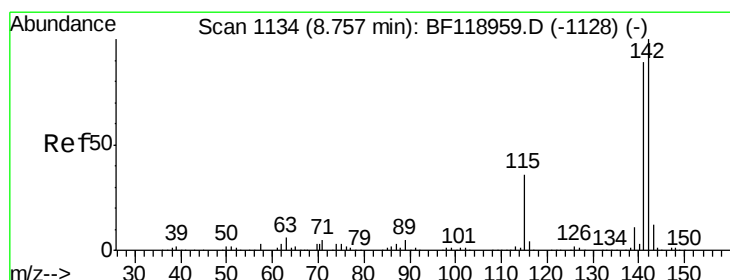
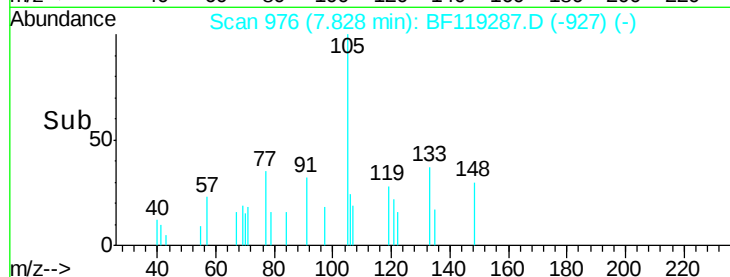
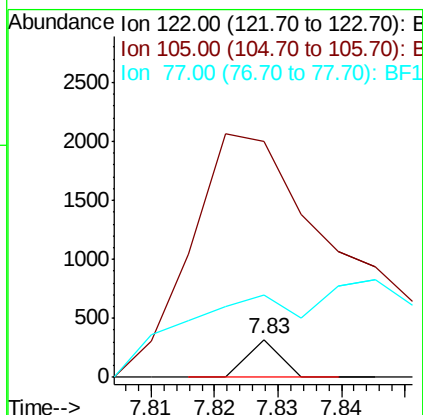
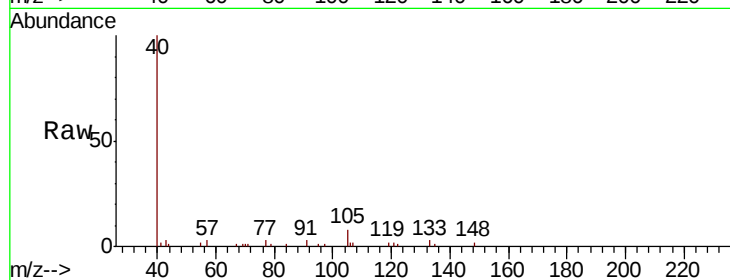
Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	627.3	106.3	146.3#
77	217.6	73.1	113.1#



#37

2-Methylnaphthalene

Concen: 7.841 ng

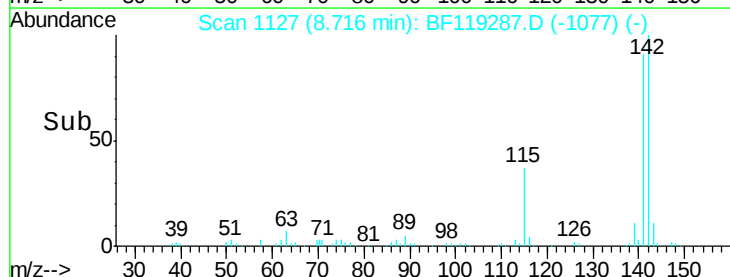
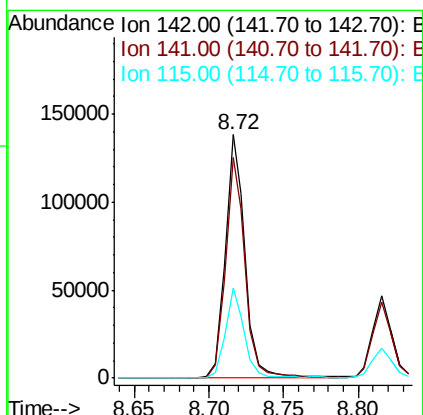
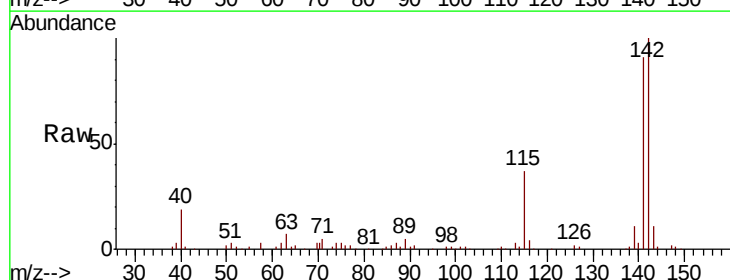
RT: 8.72 min Scan# 1127

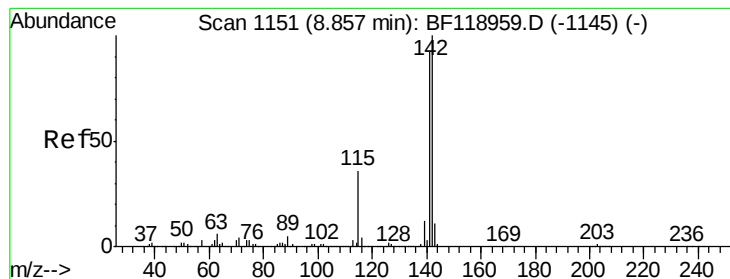
Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.3	108.5
115	36.9	30.6	45.8





#38

1-Methylnaphthalene

Concen: 2.826 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

ClientSampleId :

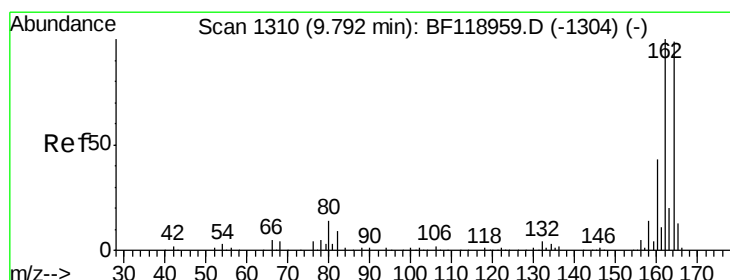
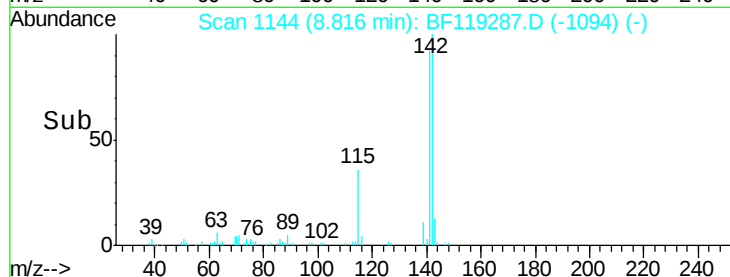
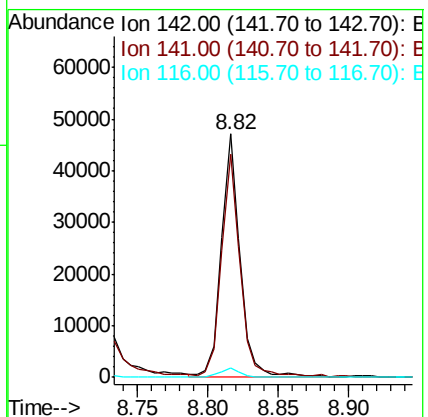
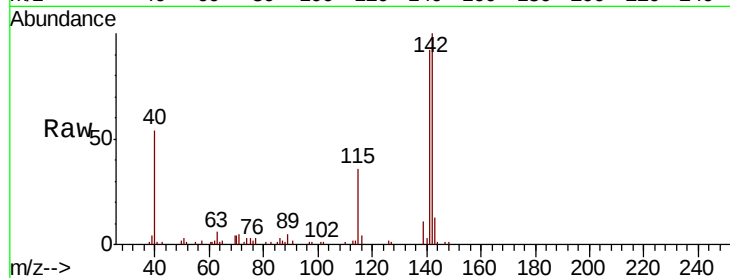
Tot Ion:142 Resp: 43783

Ion Ratio Lower Upper

142 100

141 91.6 75.8 113.6

116 3.7 3.1 4.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

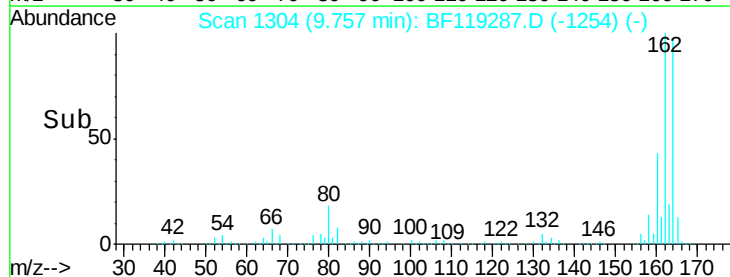
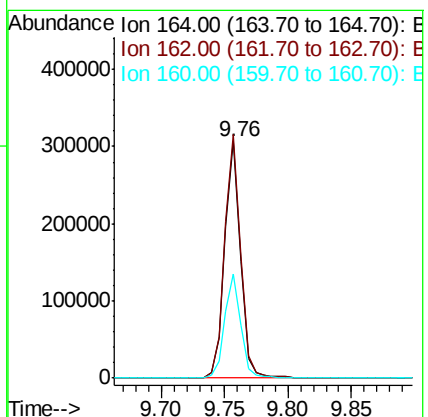
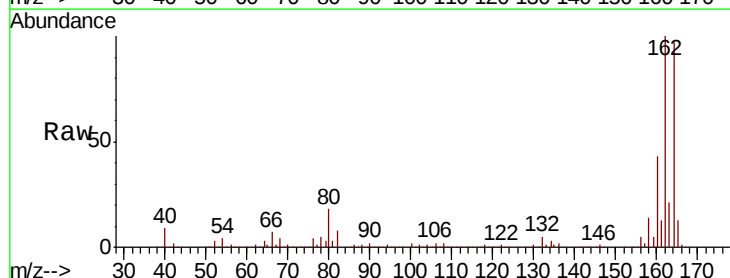
Tgt Ion:164 Resp: 269014

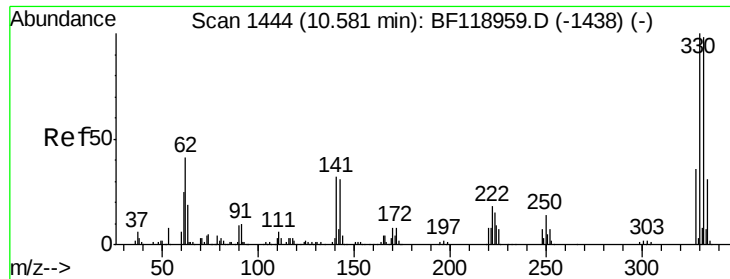
Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.8

160 43.9 36.0 54.0

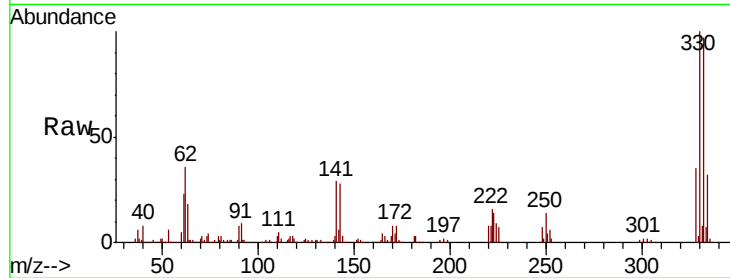




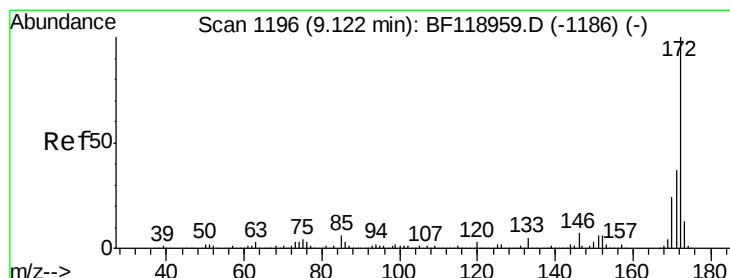
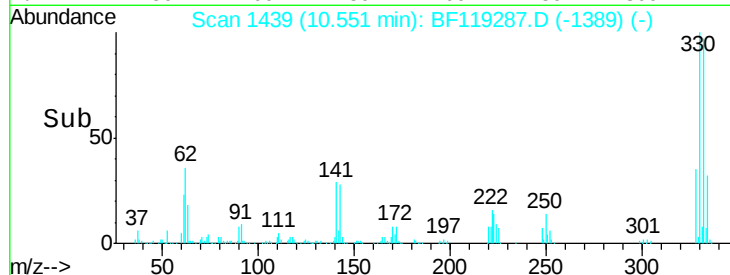
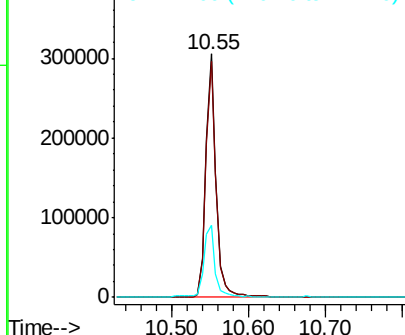
#42
 2,4,6-Tribromophenol
 Concen: 80.872 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 284600
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.0 114.0
 141 31.6 22.9 34.3

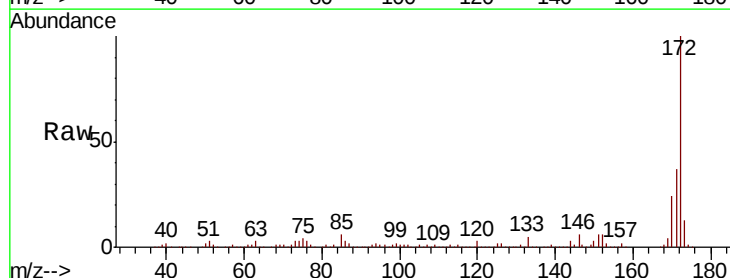


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

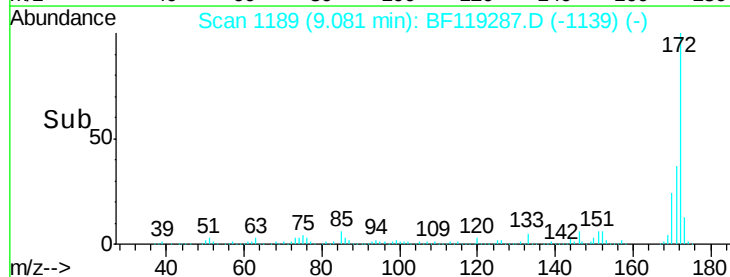
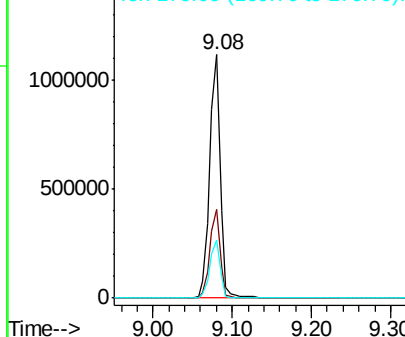


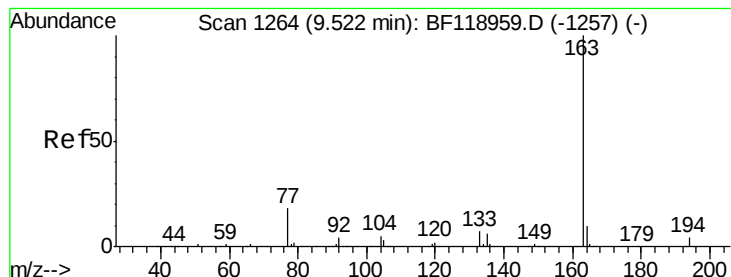
#45
 2-Fluorobiphenyl
 Concen: 57.172 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Tgt Ion:172 Resp: 1044005
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.6 45.8
 170 23.9 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





#50

Dimethylphthalate

Concen: 4.340 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

ClientSampleId :

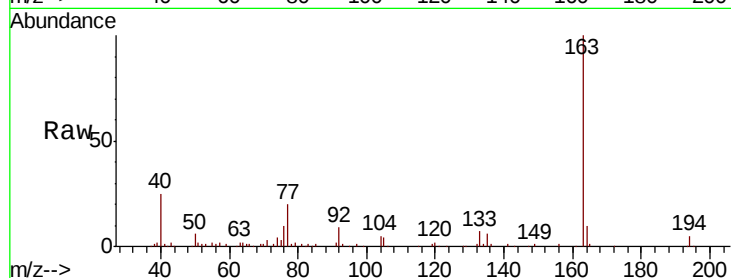
Tot Ion:163 Resp: 89271

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

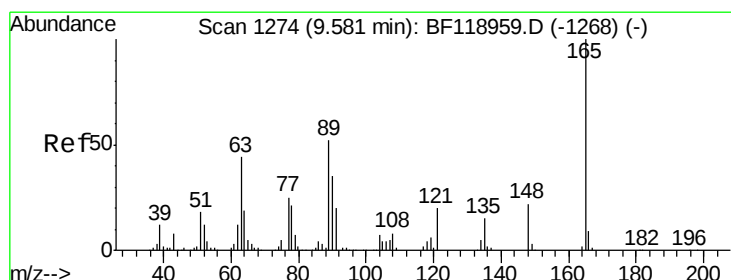
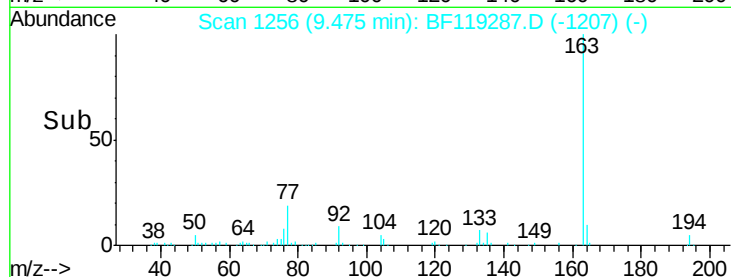
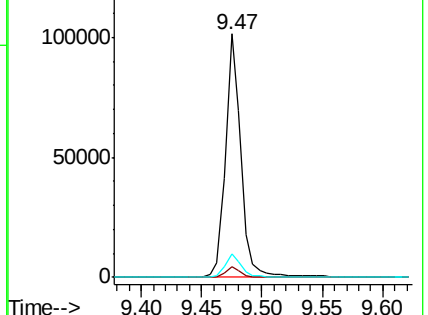
164 9.6 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.289 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

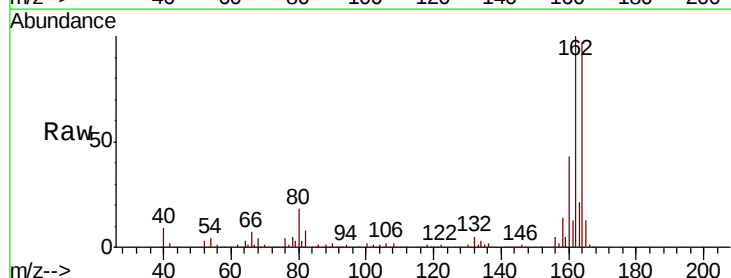
Tgt Ion:165 Resp: 37884

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

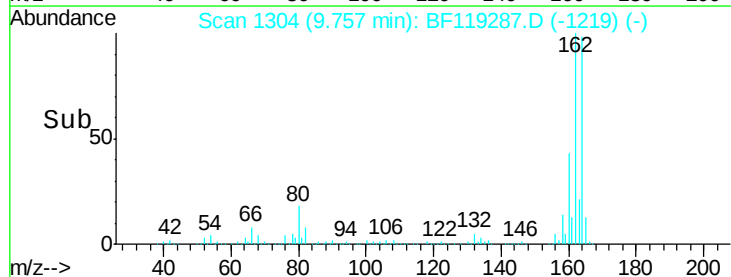
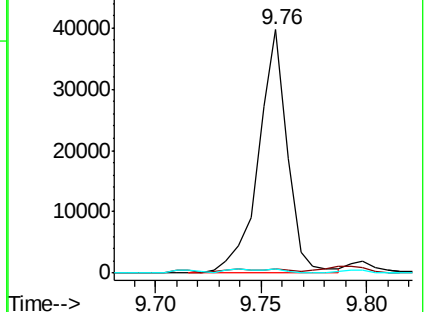
89 1.9 38.3 57.5#

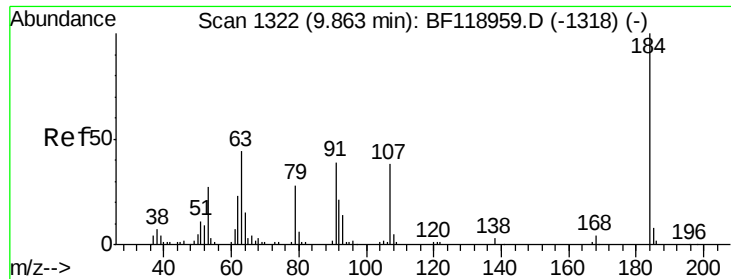


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

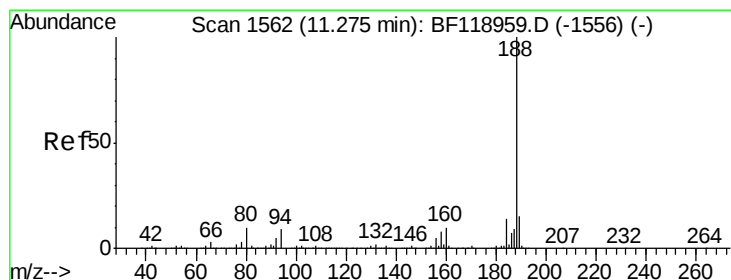
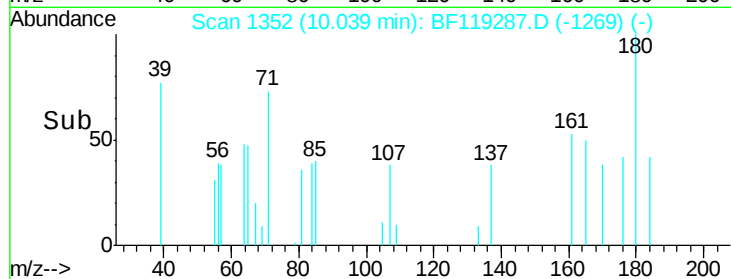
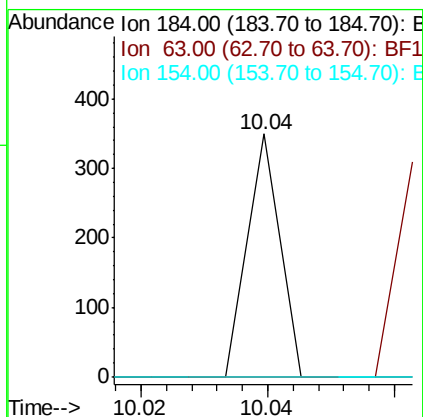
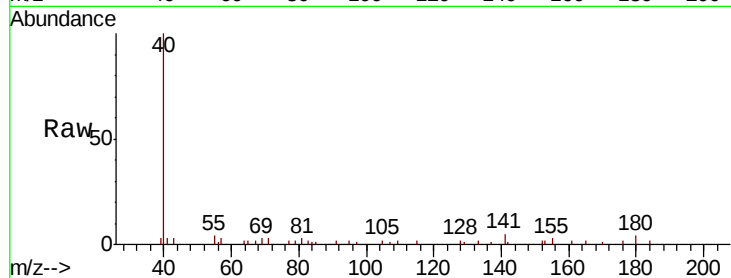




#54
 2,4-Dinitrophenol
 Concen: 7.526 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.19 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

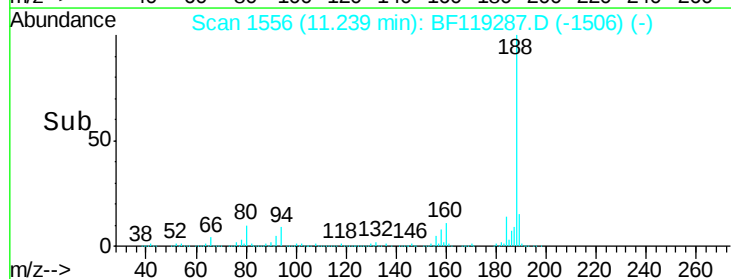
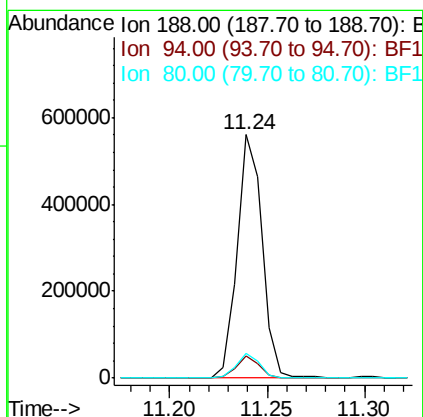
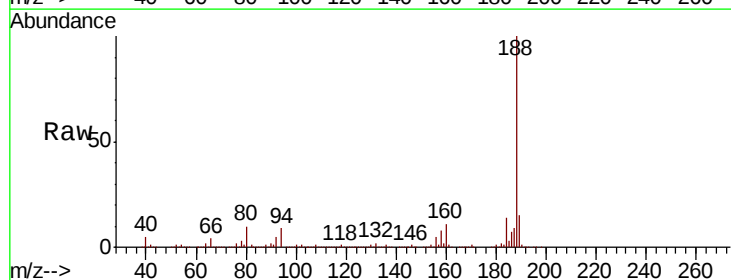
Instrument :
 BNA_F
 ClientSampleId :

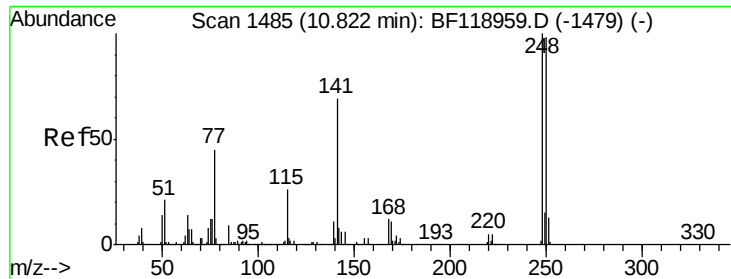
Tot Ion:184 Resp: 124
 Ion Ratio Lower Upper
 184 100
 63 0.0 38.7 58.1#
 154 0.0 49.7 74.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Tgt Ion:188 Resp: 497389
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.1 10.7
 80 10.0 7.8 11.8

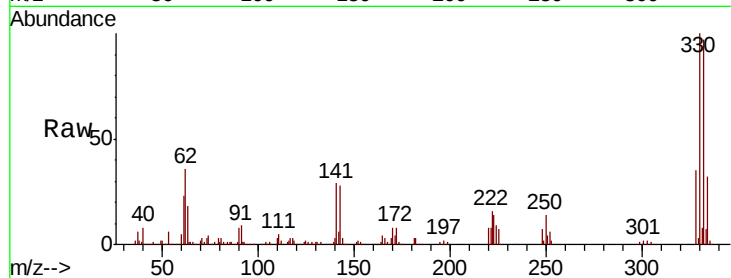




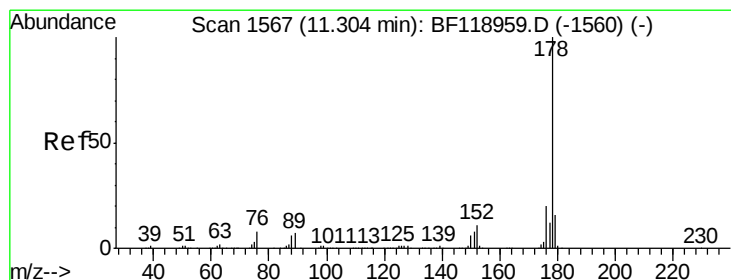
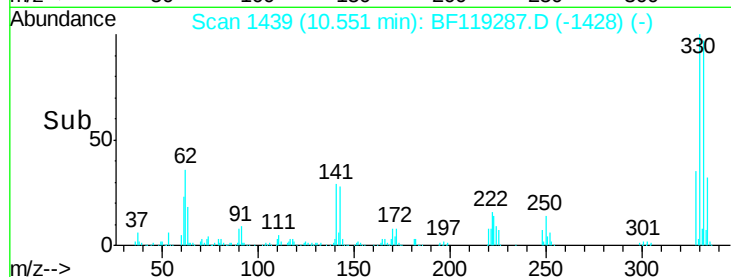
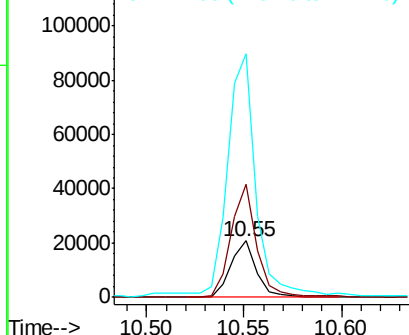
#67
 4-Bromophenyl-phenylether
 Concen: 2.935 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 19079
 Ion Ratio Lower Upper
 248 100
 250 198.7 76.7 115.1#
 141 430.3 60.7 91.1#

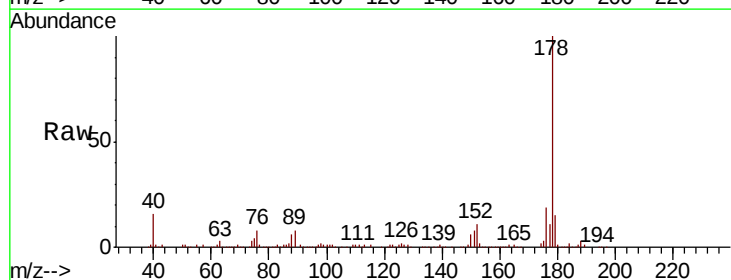


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

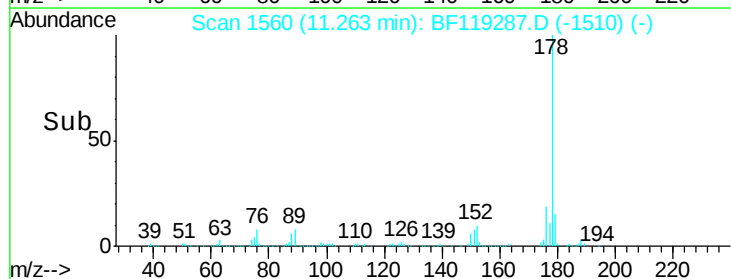
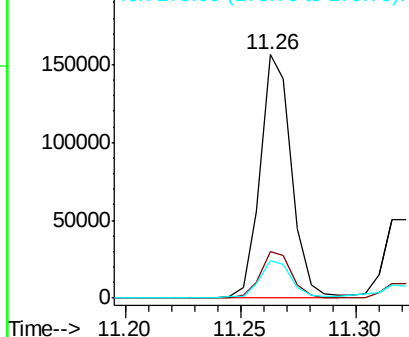


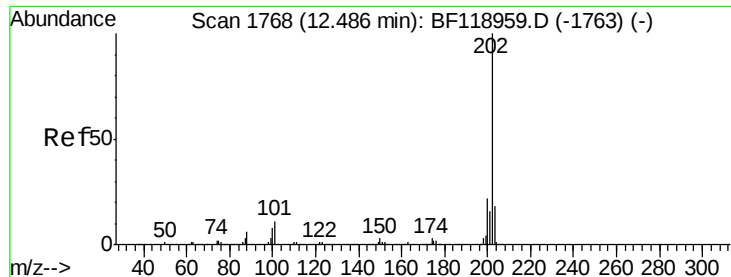
#71
 Phenanthrene
 Concen: 5.446 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Tgt Ion:178 Resp: 147720
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.5 24.7
 179 15.4 13.0 19.6



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





#75

Fluoranthene

Concen: 10.141 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

ClientSampleId :

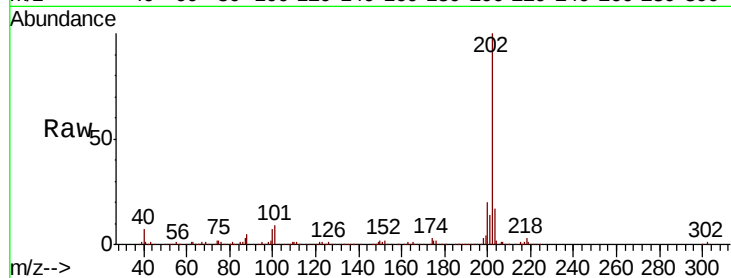
Tot Ion:202 Resp: 291981

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.3

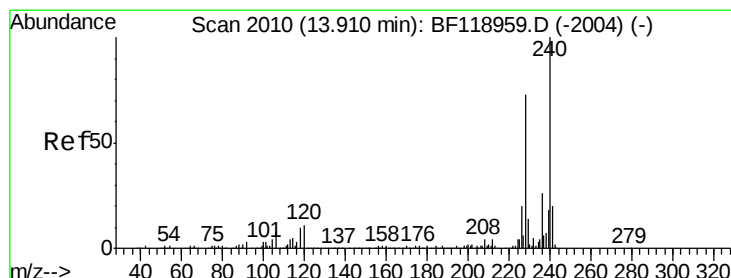
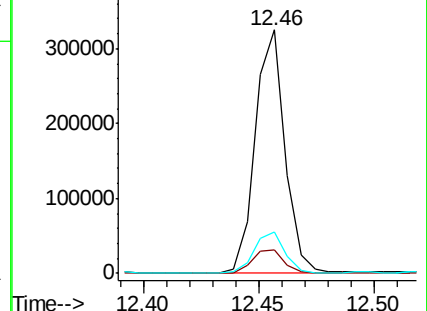
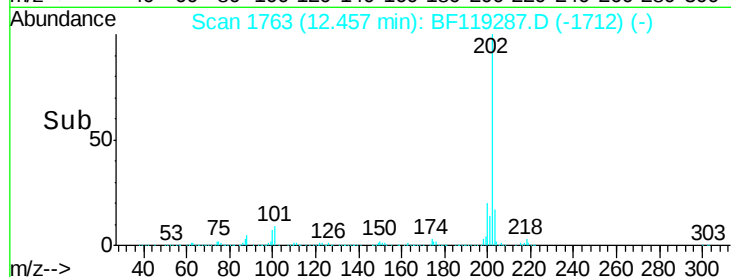
203 16.8 0.0 38.4



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: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

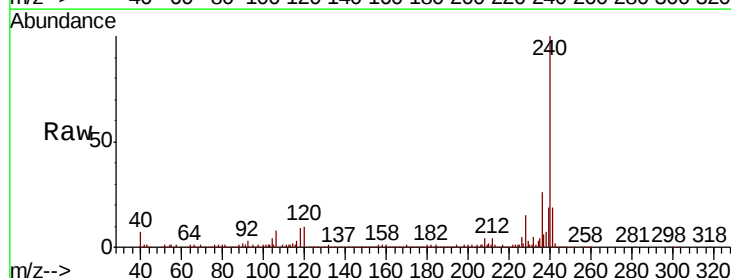
Tgt Ion:240 Resp: 300629

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

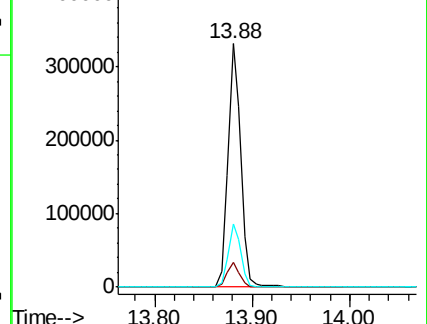
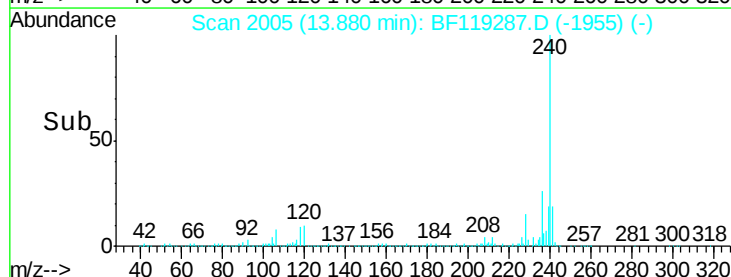
236 26.0 21.0 31.4

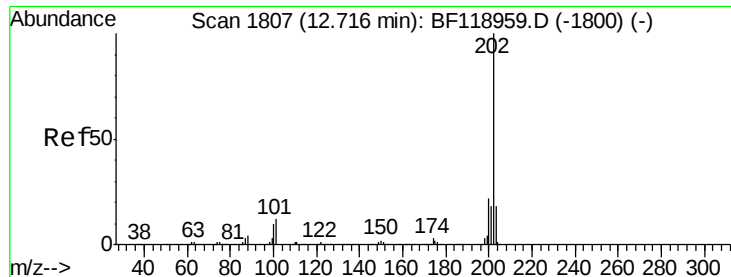


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

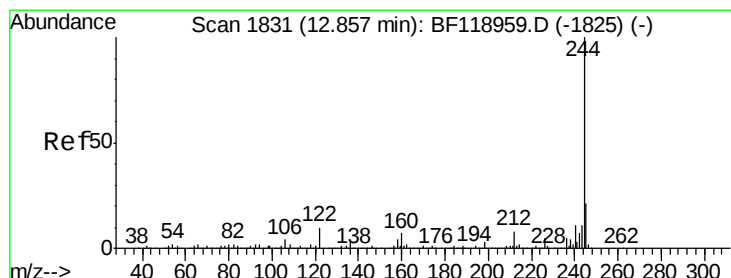
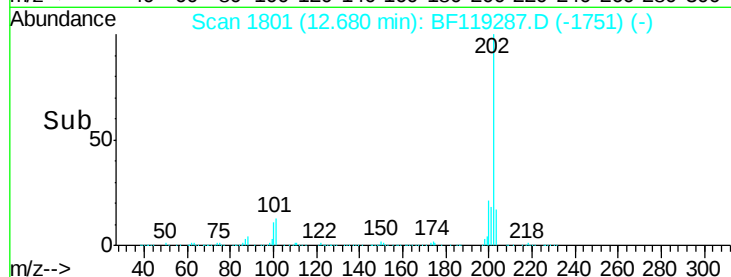
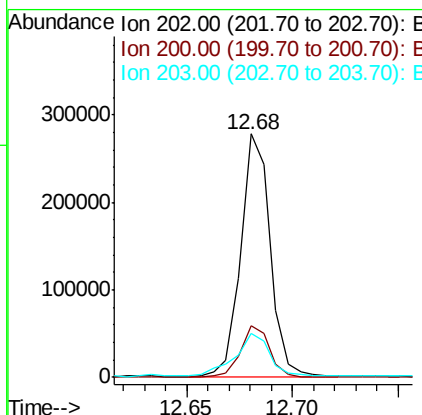
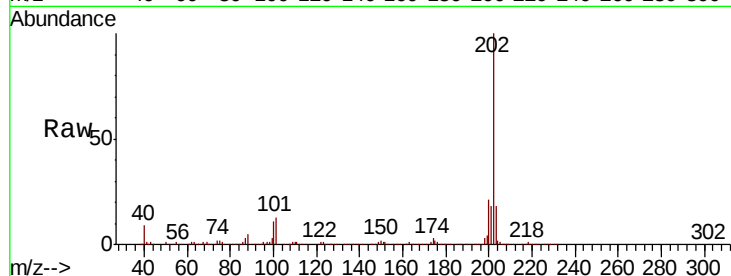




#78
Pvrene
Concen: 11.079 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

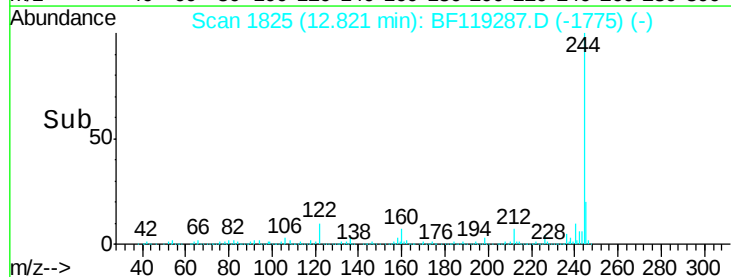
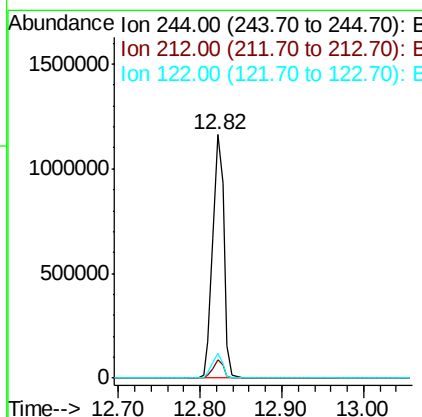
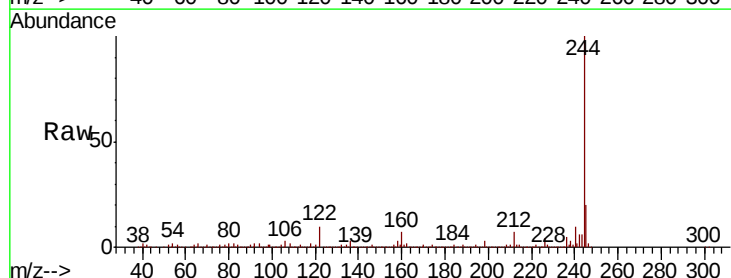
Instrument :
BNA_F
ClientSampleId :

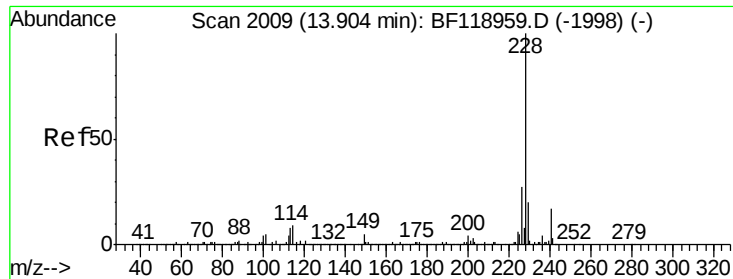
Tot Ion:202 Resp: 267437
Ion Ratio Lower Upper
202 100
200 21.3 18.0 27.0
203 17.9 14.6 22.0



#79
Terphenyl-d14
Concen: 63.708 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion:244 Resp: 1112433
Ion Ratio Lower Upper
244 100
212 7.4 6.6 10.0
122 10.1 8.2 12.2

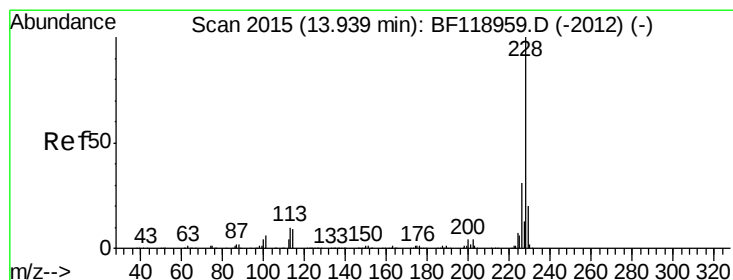
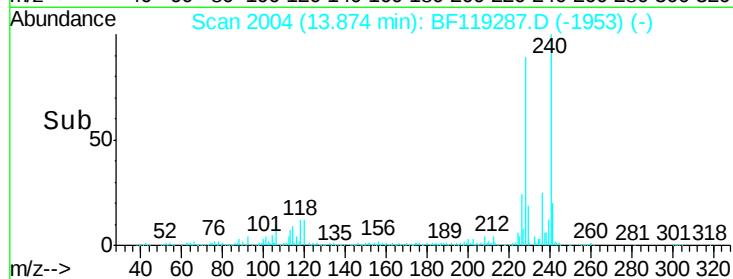
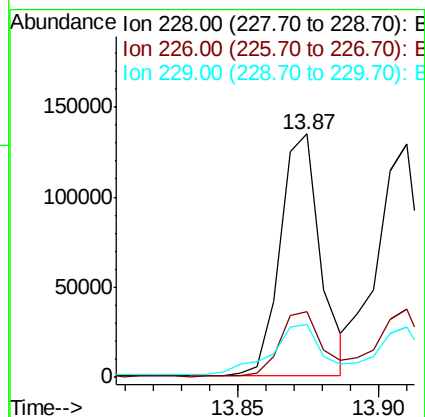
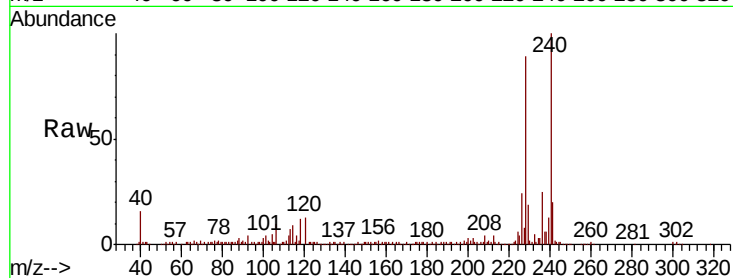




#81
Benzo(a)anthracene
Concen: 6.504 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

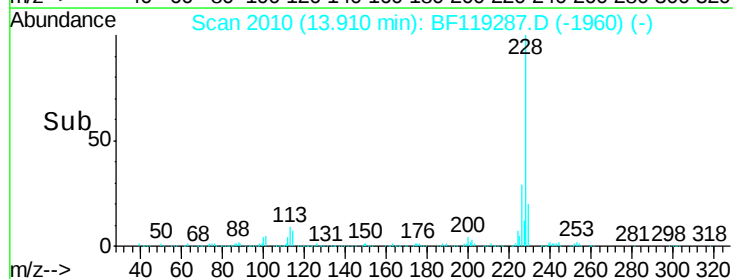
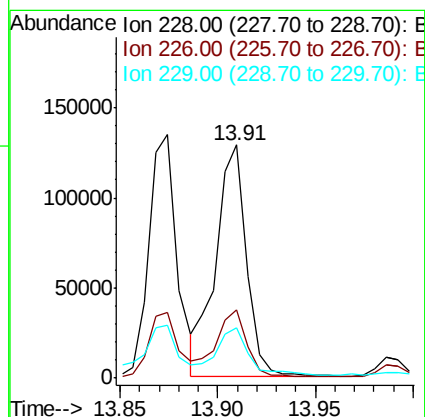
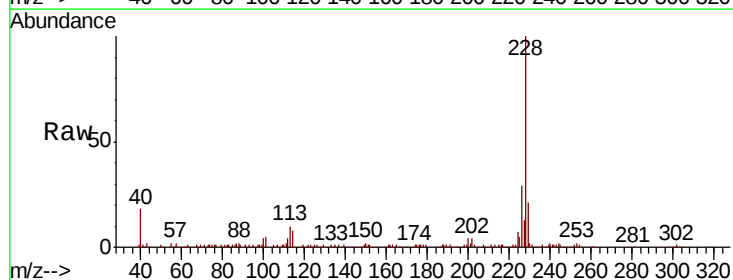
Instrument :
BNA_F
ClientSampleId :

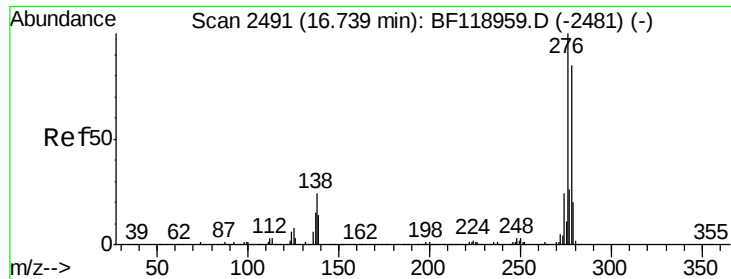
Tot Ion:228 Resp: 133222
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 21.8 16.6 24.8



#83
Chrysene
Concen: 6.934 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion:228 Resp: 141521
Ion Ratio Lower Upper
228 100
226 29.4 25.1 37.7
229 21.4 16.3 24.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.659 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

ClientSampleId :

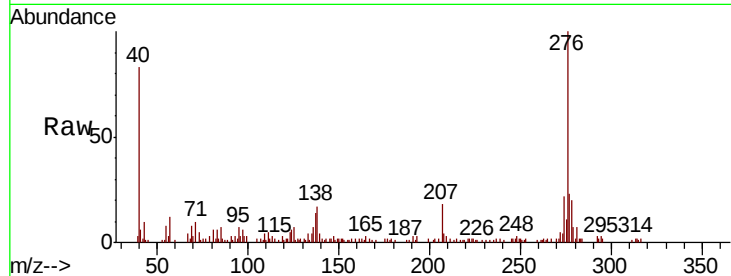
Tot Ion:276 Resp: 52555

Ion Ratio Lower Upper

276 100

138 18.9 17.4 26.0

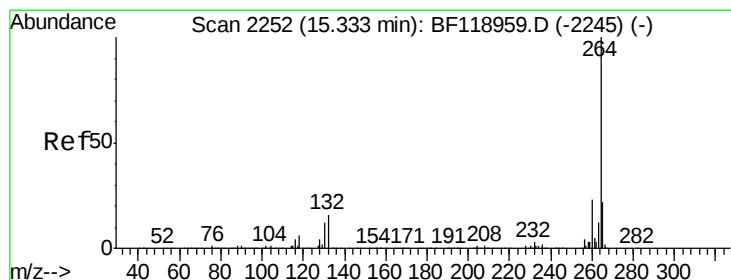
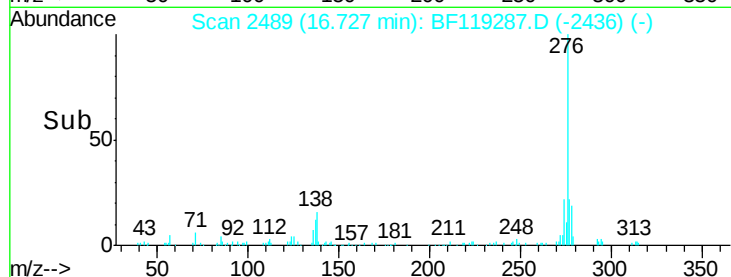
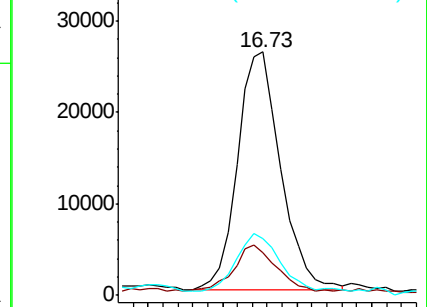
277 24.3 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

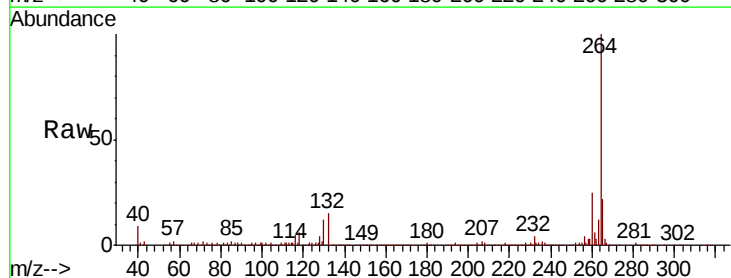
Tgt Ion:264 Resp: 319719

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

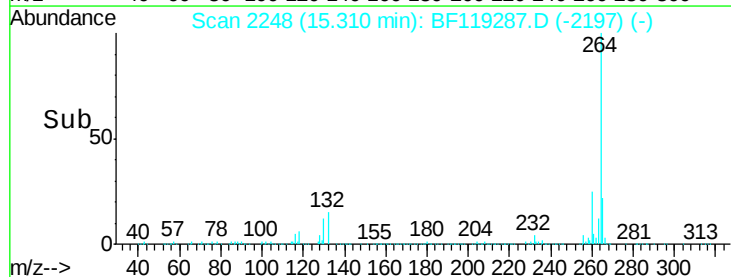
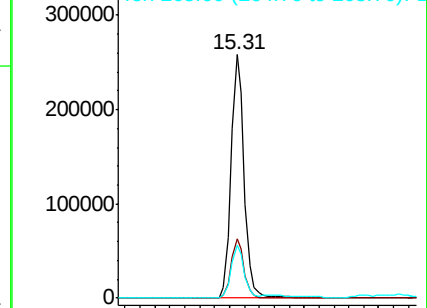
265 21.9 17.7 26.5

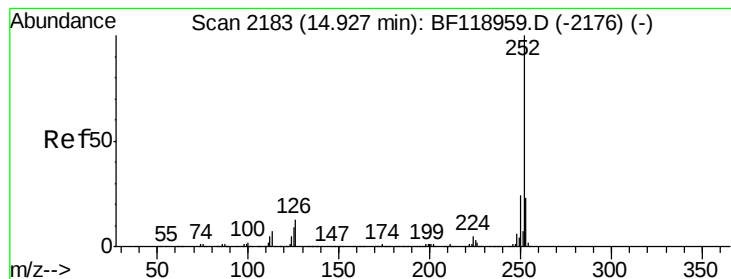


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 9.007 ng

RT: 14.90 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

ClientSampleId :

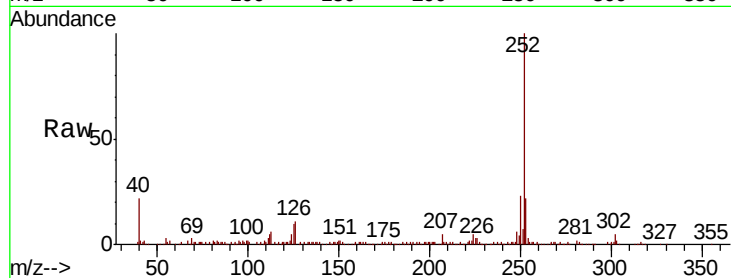
Tot Ion:252 Resp: 189810

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

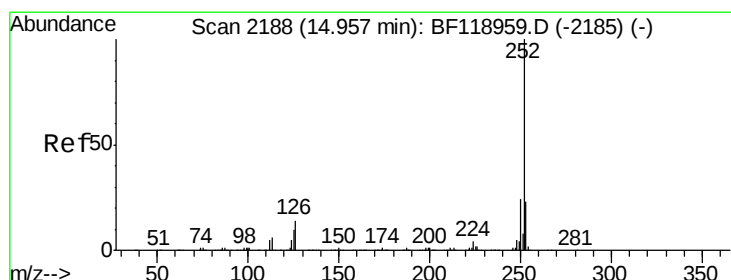
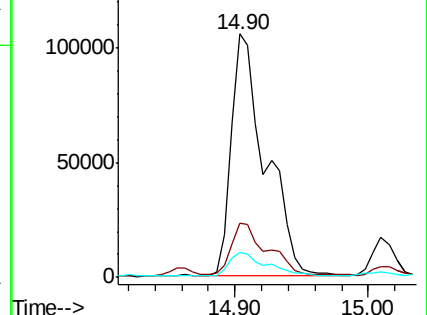
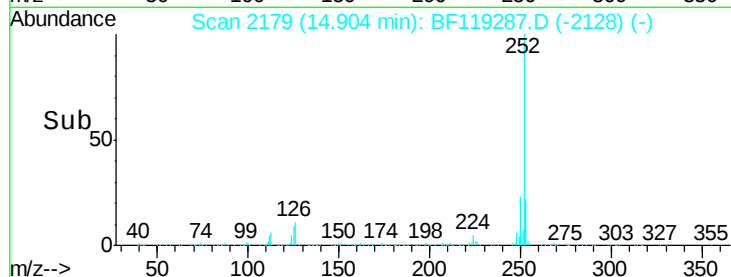
125 10.0 7.4 11.0



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: 9.719 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.03 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

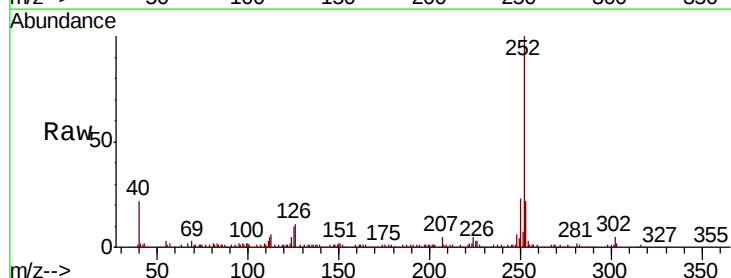
Tgt Ion:252 Resp: 189810

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

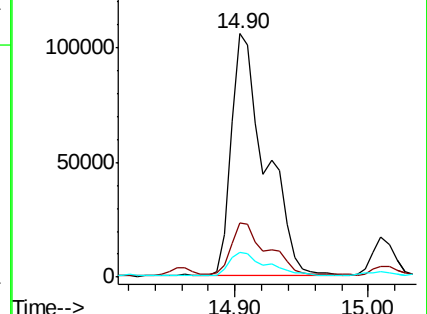
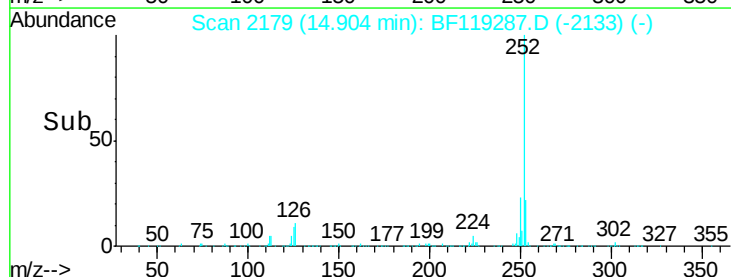
125 10.0 7.5 11.3

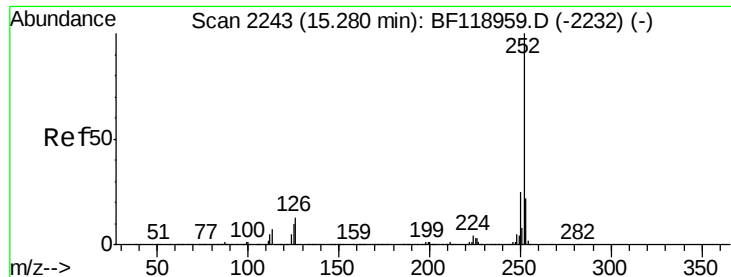


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

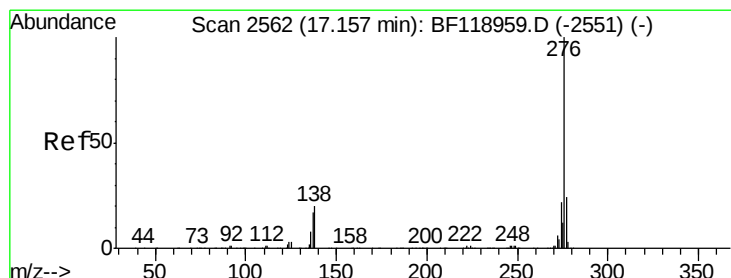
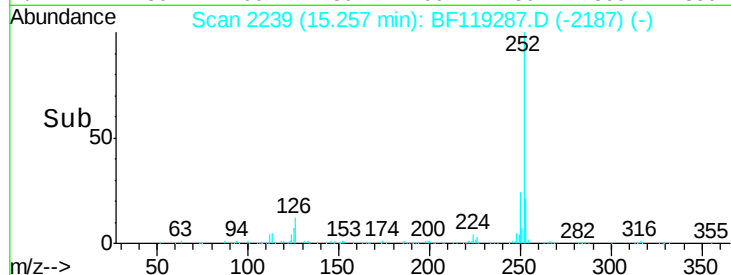
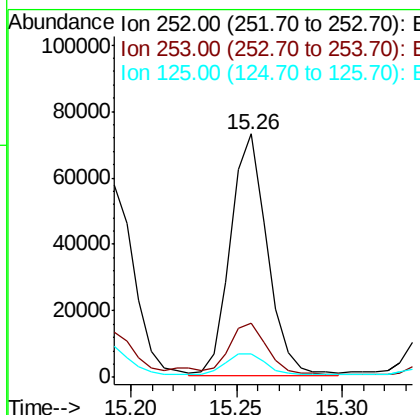
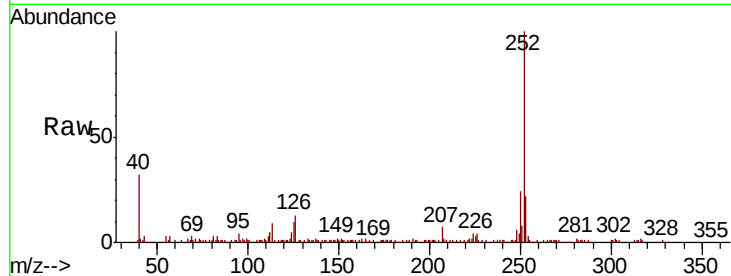




#90
Benzo(a)pyrene
Concen: 4.583 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 87173
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 9.7 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 3.194 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion:276 Resp: 52812
Ion Ratio Lower Upper
276 100
277 26.4 18.7 28.1
138 20.9 14.3 21.5

