

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119319.D
 Acq On : 10 Mar 2020 16:22
 Operator : CG/JU
 Sample : L1852-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 01:38:50 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	6.73	152	104370	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	390378	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	191378	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	298620	20.00	ng	0.00
76) Chrysene-d12	13.89	240	238629	20.00	ng	0.00
87) Perylene-d12	15.32	264	223606	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	745537	119.38	ng	0.01
7) Phenol-d6	6.39	99	905146	119.17	ng	0.00
23) Nitrobenzene-d5	7.29	82	589263	79.70	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	236919	94.63	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1110011	85.45	ng	0.00
79) Terphenyl-d14	12.83	244	1029445	74.27	ng	0.00

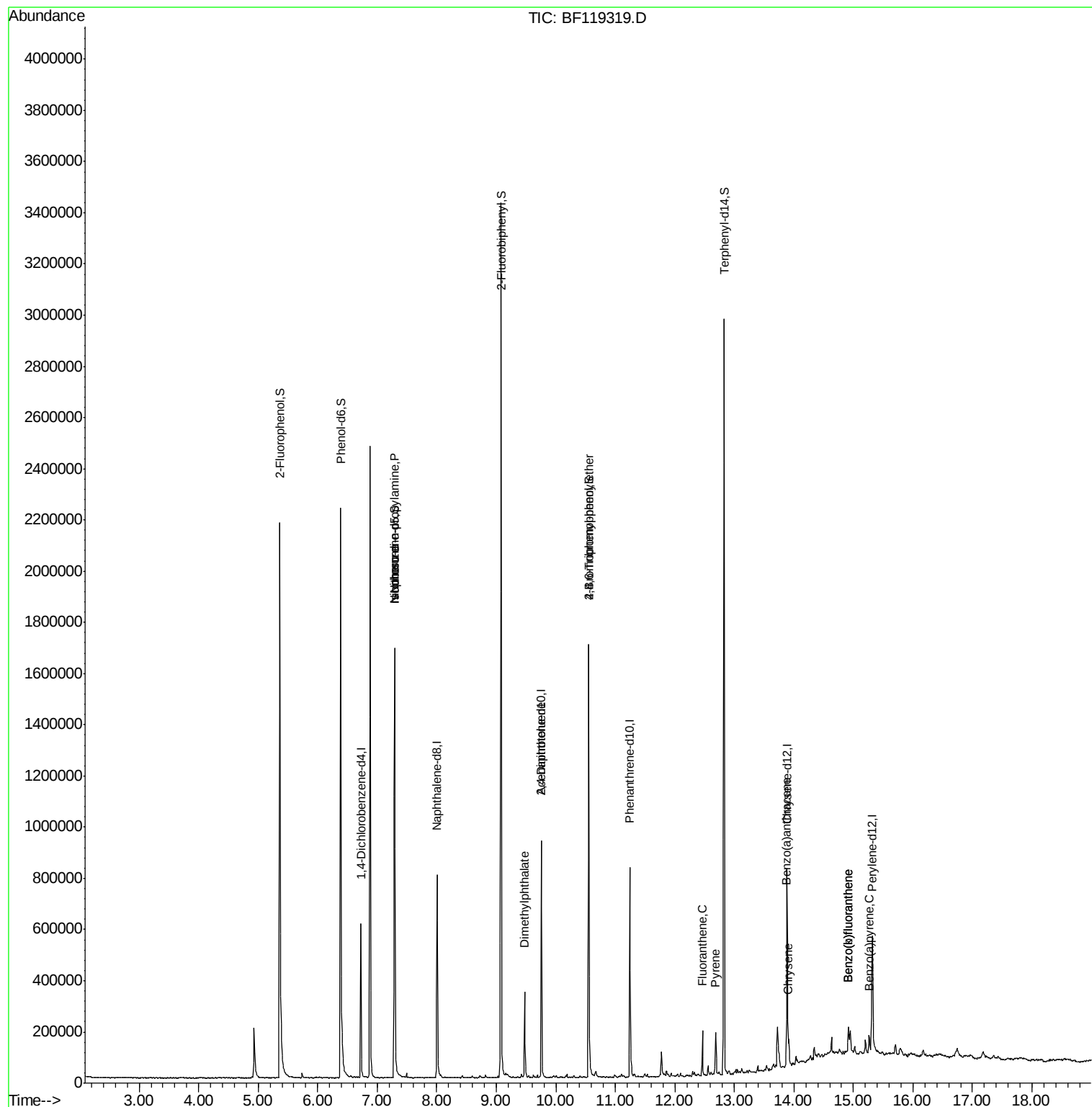
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	81596	18.436	ng	# 76
25) Isophorone	7.29	82	589263	45.891	ng	# 63
50) Dimethylphthalate	9.48	163	160600	10.974	ng	97
57) 2,4-Dinitrotoluene	9.76	165	25025	5.938	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	15685	4.018	ng	# 1
75) Fluoranthene	12.46	202	74079	4.285	ng	99
78) Pyrene	12.69	202	72415	3.779	ng	98
81) Benzo(a)anthracene	13.87	228	43057	2.648	ng	97
83) Chrysene	13.92	228	42392	2.617	ng	96
88) Benzo(b)fluoranthene	14.92	252	65633	4.453	ng	99
89) Benzo(k)fluoranthene	14.92	252	65633	4.805	ng	99
90) Benzo(a)pyrene	15.26	252	30787	2.314	ng	# 95

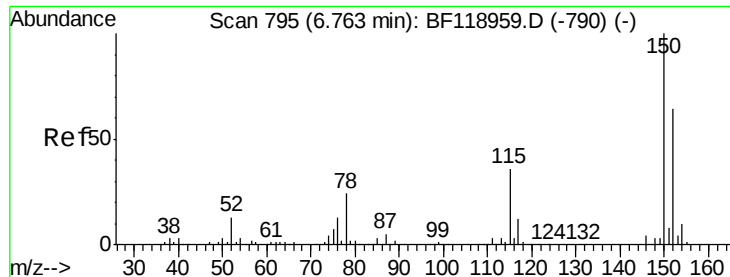
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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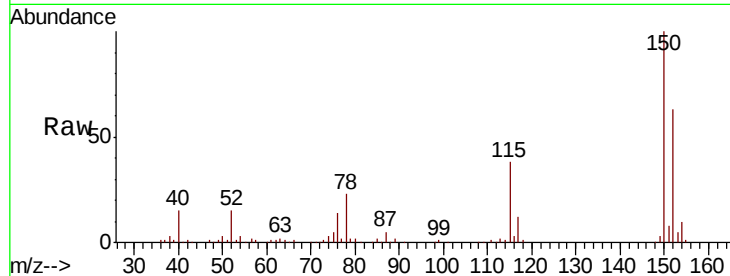


#1

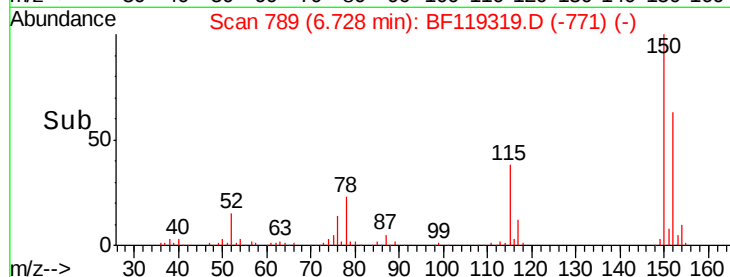
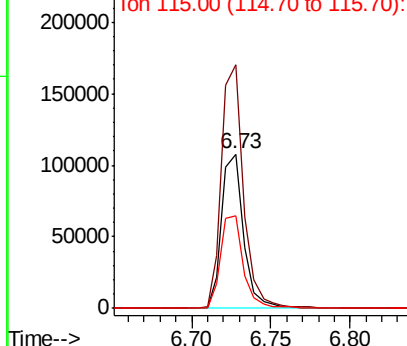
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.01 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 104370
Ion Ratio Lower Upper
152 100
150 157.6 123.0 184.6
115 59.8 49.5 74.3



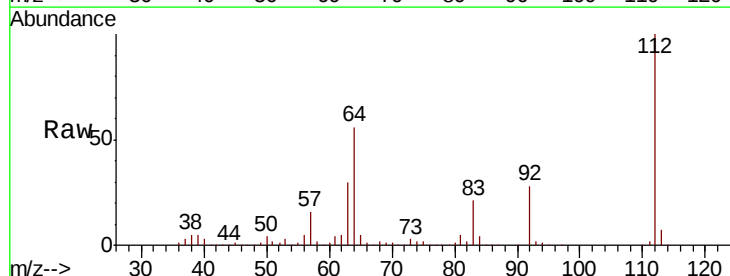
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



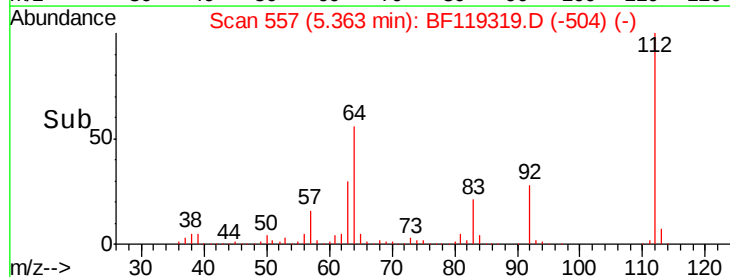
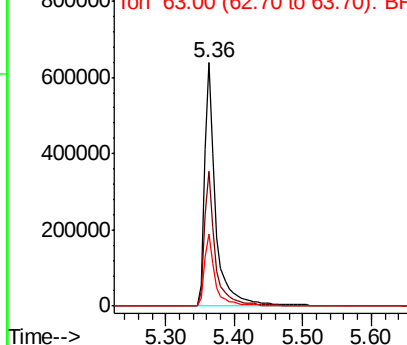
#5

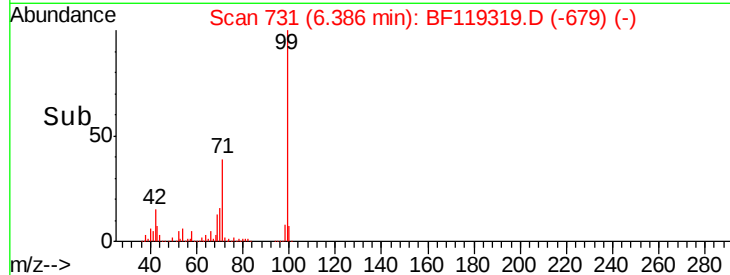
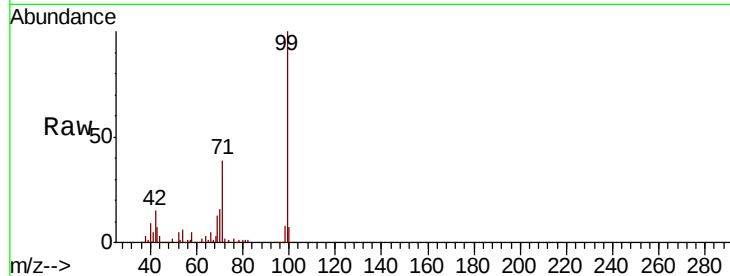
2-Fluorophenol
Concen: 119.376 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Tgt Ion:112 Resp: 745537
Ion Ratio Lower Upper
112 100
64 55.5 45.0 67.4
63 29.9 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

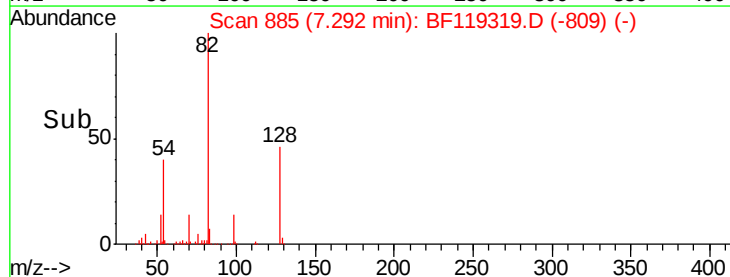
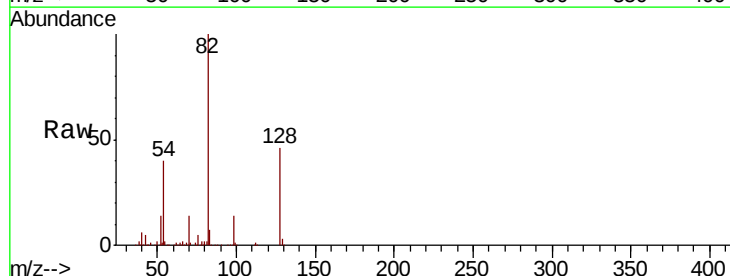
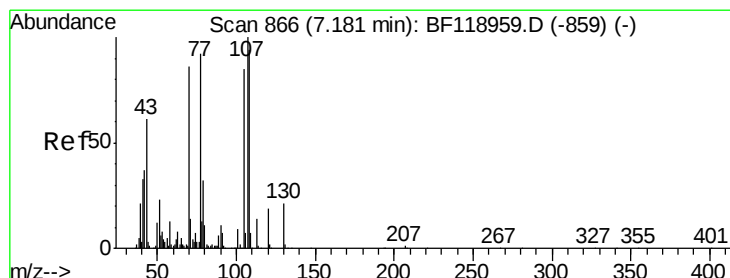
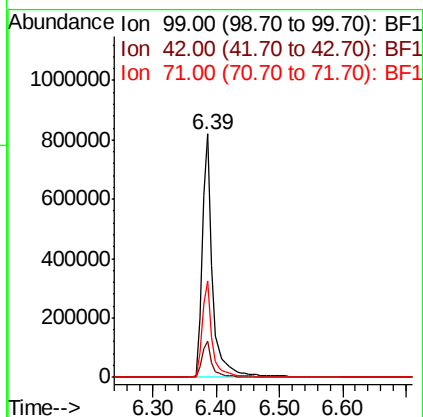




#7
Phenol-d6
Concen: 119.170 ng
RT: 6.39 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

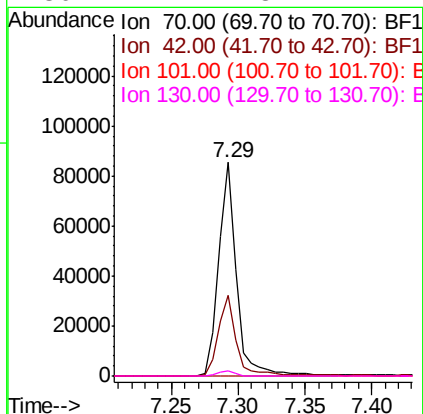
Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.6	18.8
71	39.4	31.0	46.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.436 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.15 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Tgt Ion	Ratio	Lower	Upper
70	100		
42	37.8	38.0	57.0#
101	0.0	8.2	12.4#
130	2.2	18.2	27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 390378

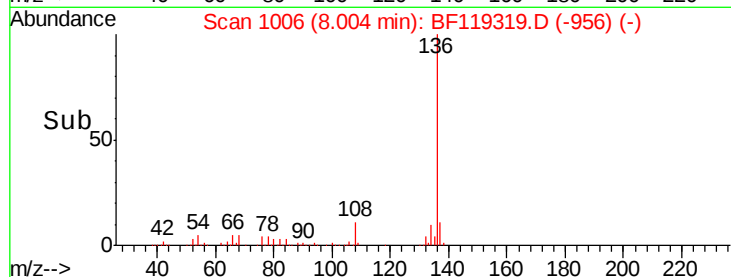
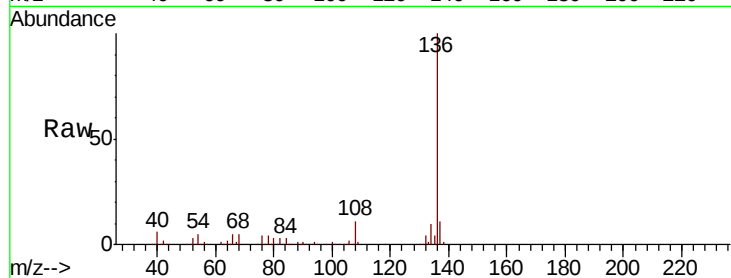
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 5.3 3.8 5.6

68 5.4 3.9 5.9

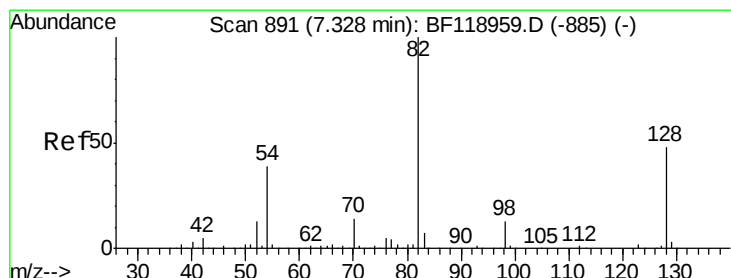
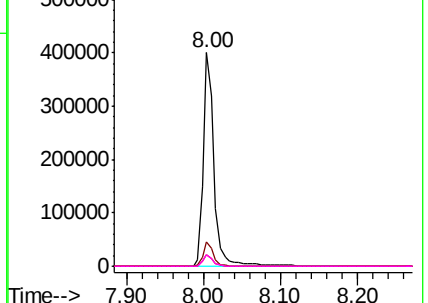


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.700 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

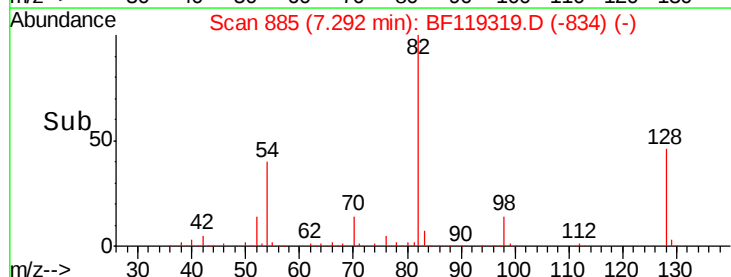
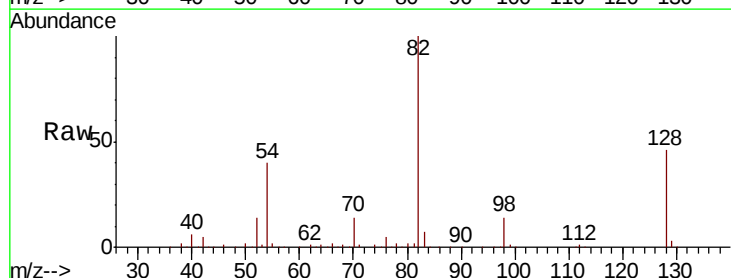
Tgt Ion: 82 Resp: 589263

Ion Ratio Lower Upper

82 100

128 45.8 37.9 56.9

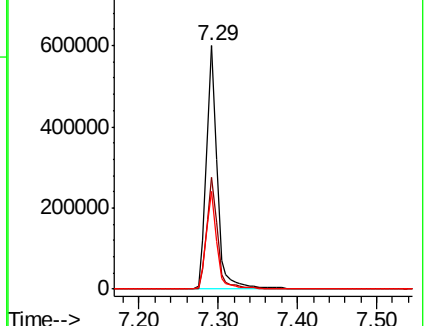
54 40.1 33.4 50.2



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: 45.891 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

Instrument :

BNA_F

ClientSampleId :

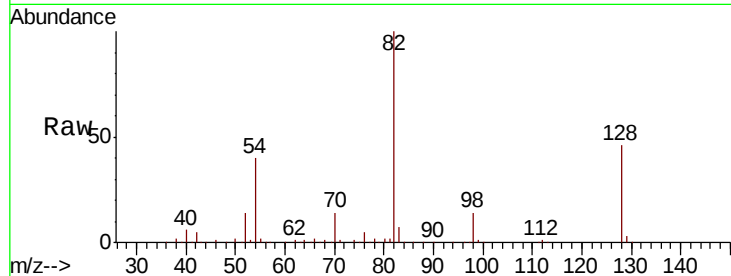
Tot Ion: 82 Resp: 589263

Ion Ratio Lower Upper

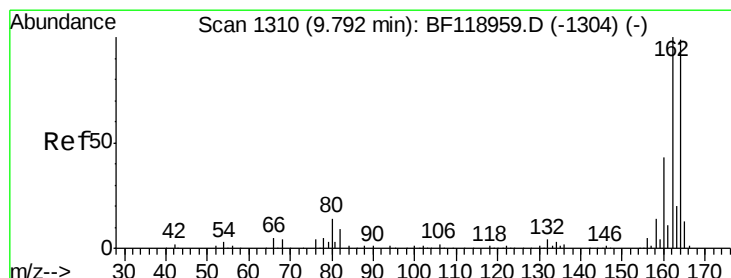
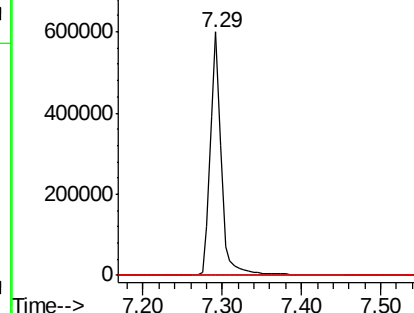
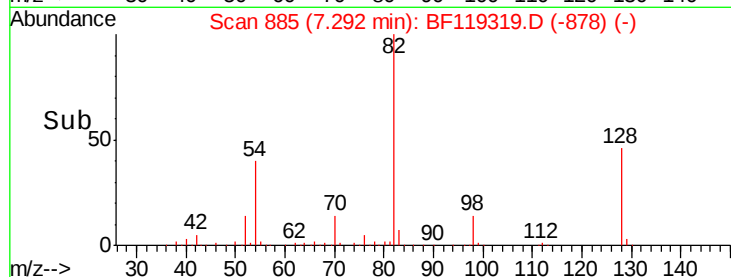
82 100

95 0.0 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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

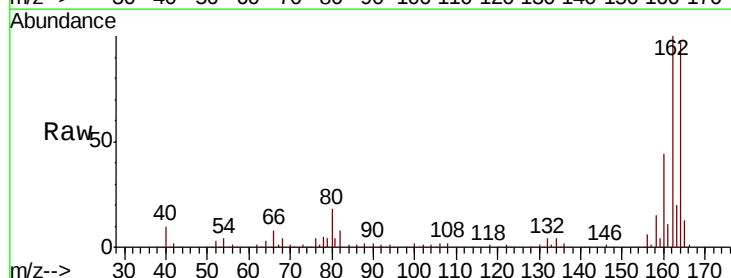
Tgt Ion: 164 Resp: 191378

Ion Ratio Lower Upper

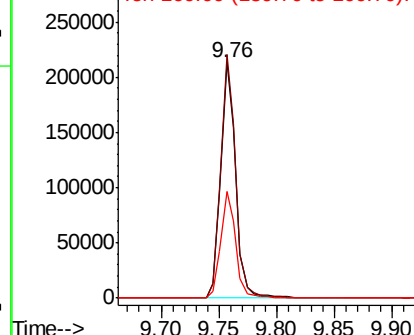
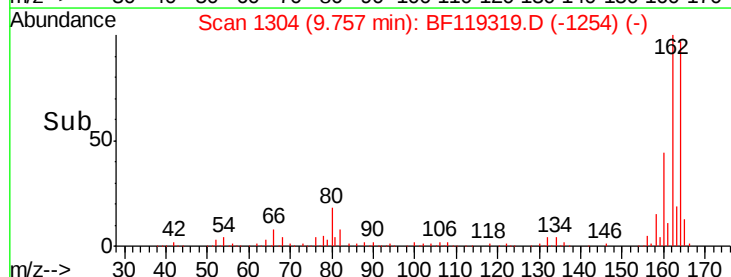
164 100

162 103.4 81.8 122.8

160 45.1 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

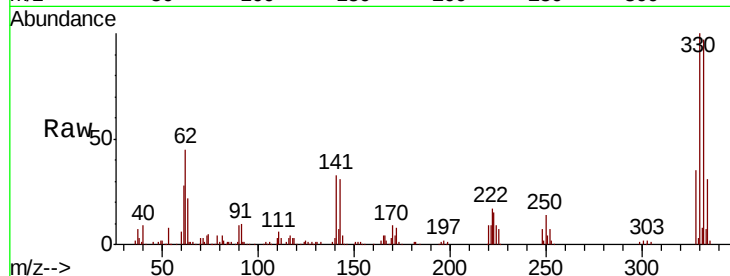




#42
 2,4,6-Tribromophenol
 Concen: 94.633 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119319.D
 Acq: 10 Mar 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.0	114.0
141	30.3	22.9	34.3

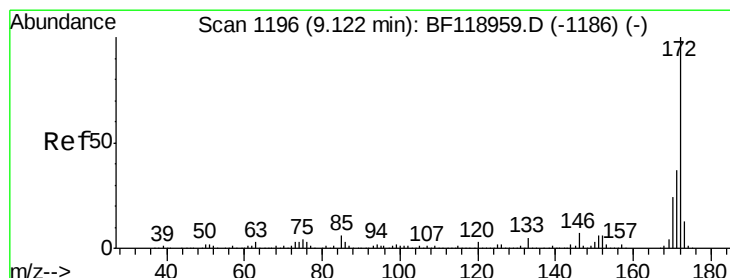
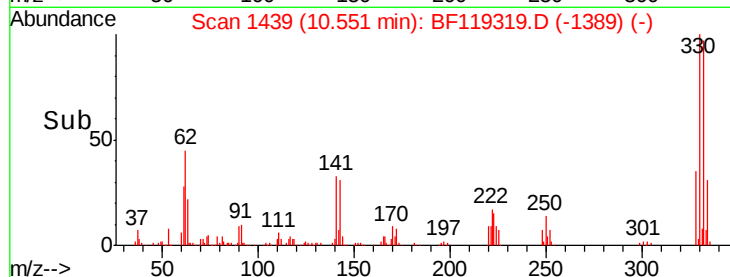
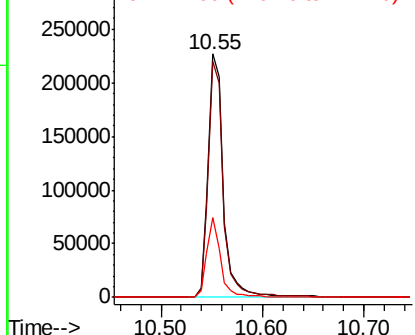


Abundance

Ion 329.80 (329.50 to 330.50): E

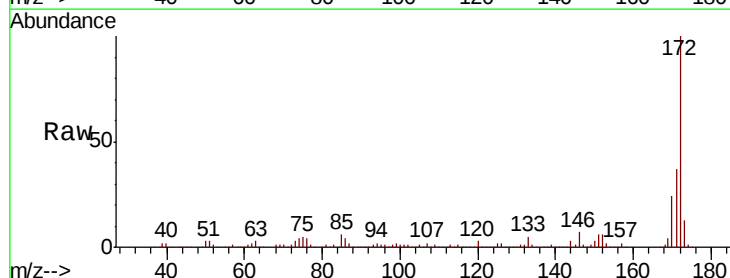
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.445 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119319.D
 Acq: 10 Mar 2020 16:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	45.8
170	23.8	20.2	30.2

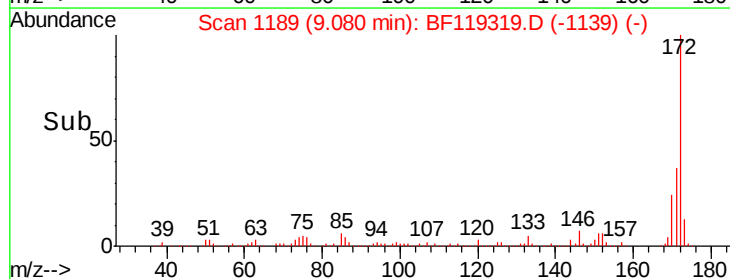
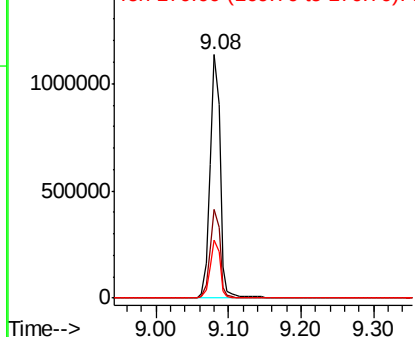


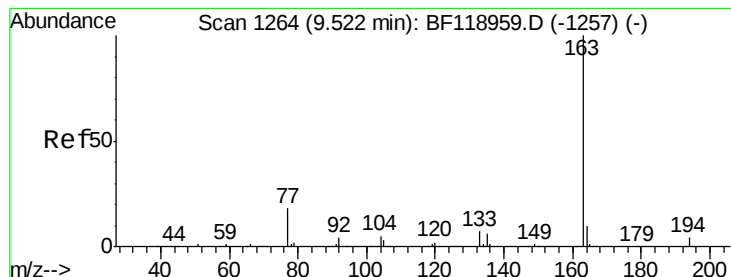
Abundance

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: 10.974 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

Instrument :

BNA_F

ClientSampleId :

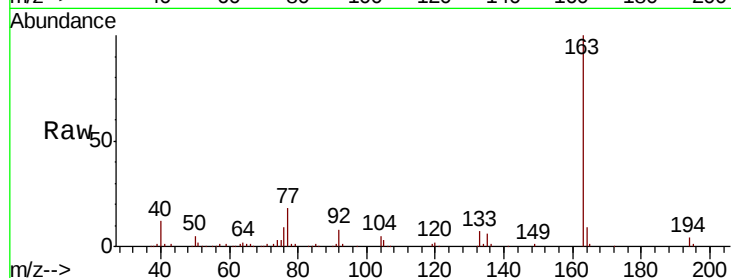
Tot Ion:163 Resp: 160600

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

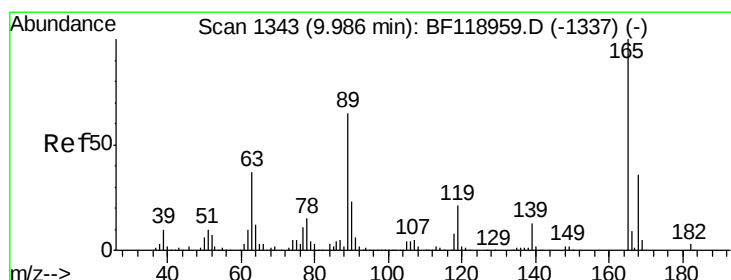
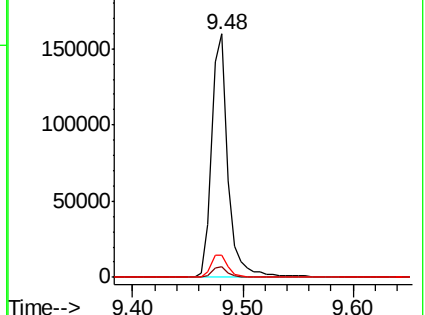
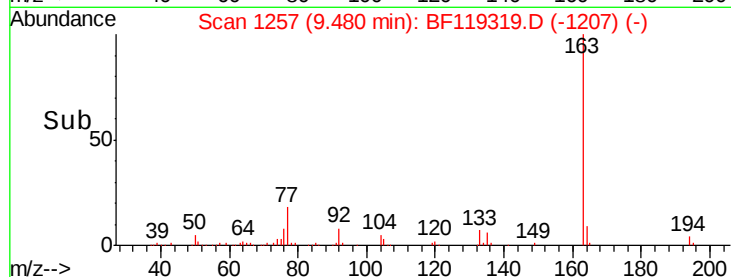
164 9.3 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 5.938 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

Tgt Ion:165 Resp: 25025

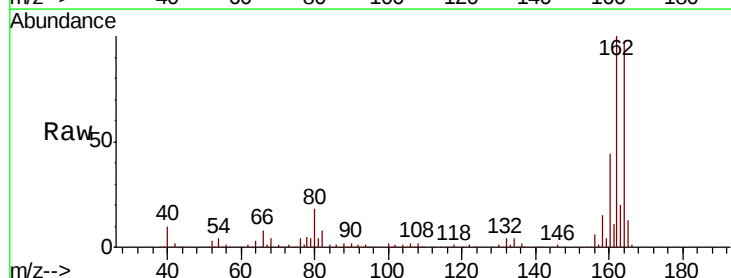
Ion Ratio Lower Upper

165 100

63 1.6 42.3 63.5#

89 1.7 60.2 90.4#

182 0.0 2.3 3.5#

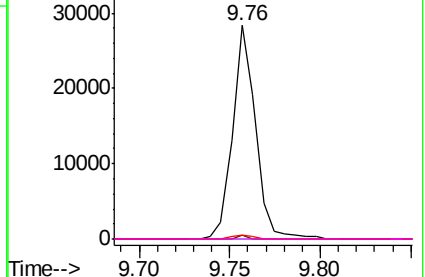
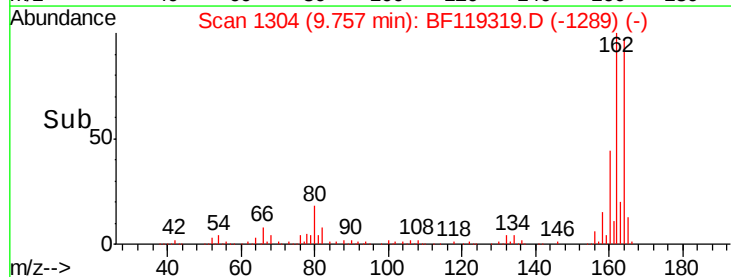


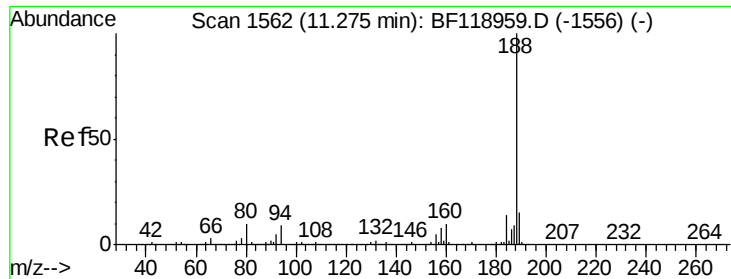
Abundance Ion 165.00 (164.70 to 165.70): E

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

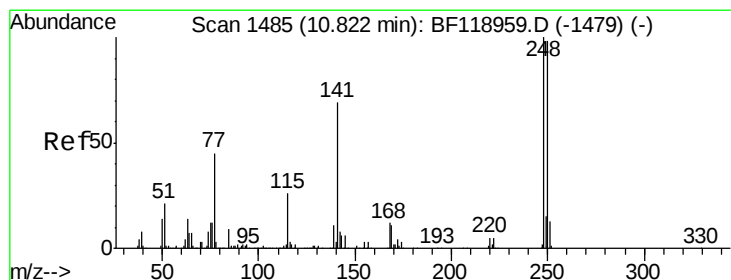
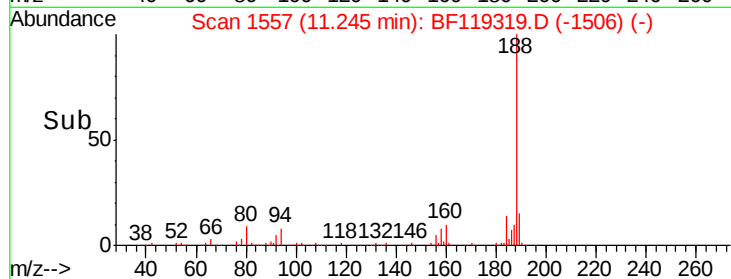
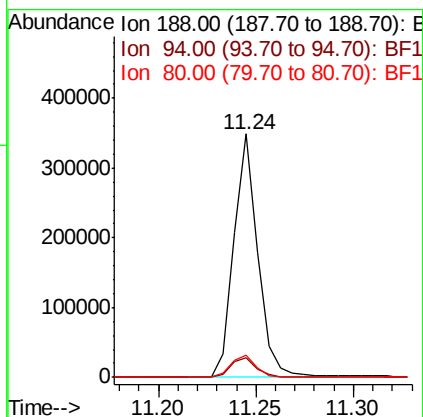
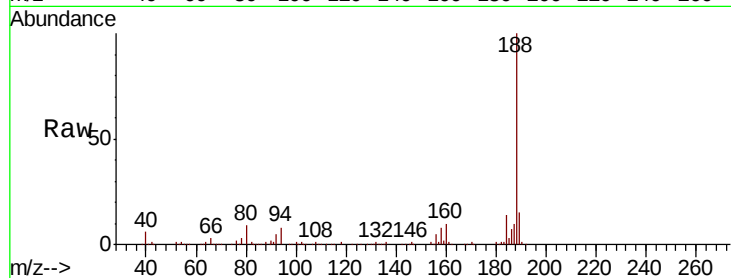




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

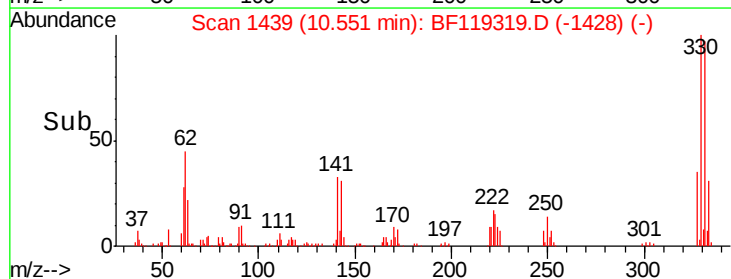
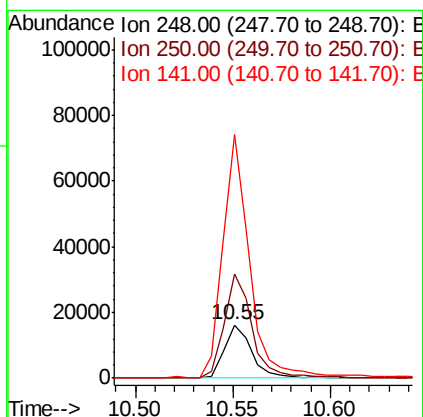
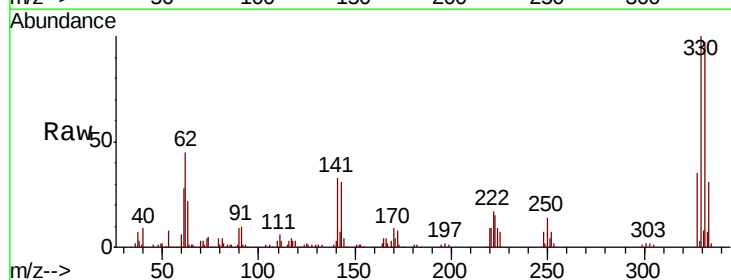
Instrument :
BNA_F
ClientSampleId :

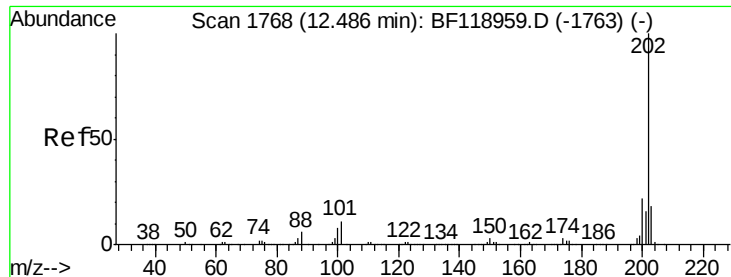
Tot Ion:188 Resp: 298620
Ion Ratio Lower Upper
188 100
94 8.1 7.1 10.7
80 9.0 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 4.018 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Tgt Ion:248 Resp: 15685
Ion Ratio Lower Upper
248 100
250 195.1 76.7 115.1#
141 457.7 60.7 91.1#





#75

Fluoranthene

Concen: 4.285 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

Instrument :

BNA_F

ClientSampleId :

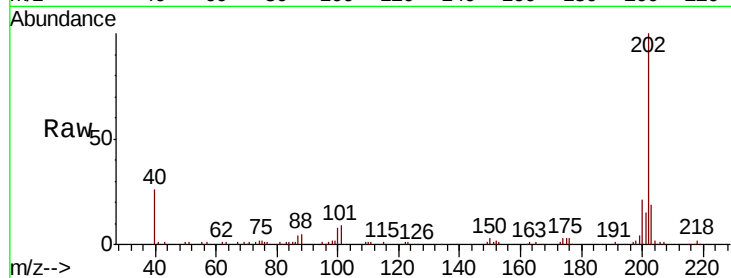
Tot Ion:202 Resp: 74079

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.3

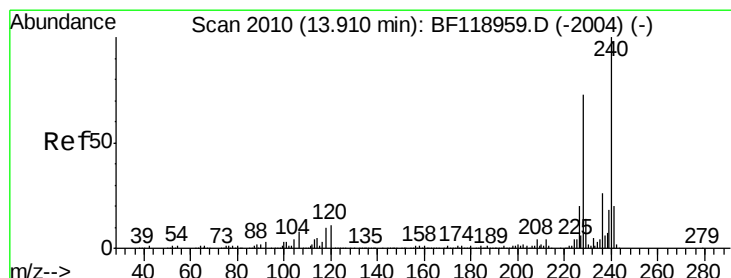
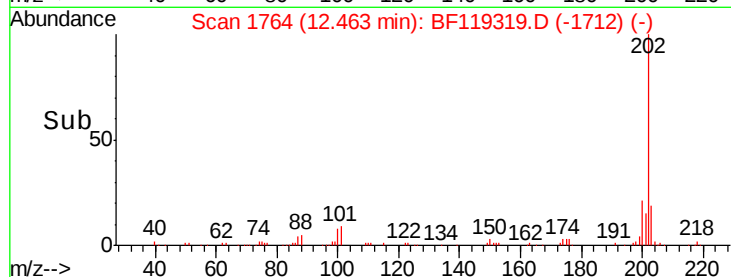
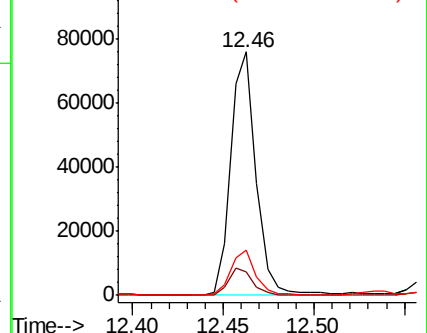
203 18.6 0.0 38.4



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. 0.00 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

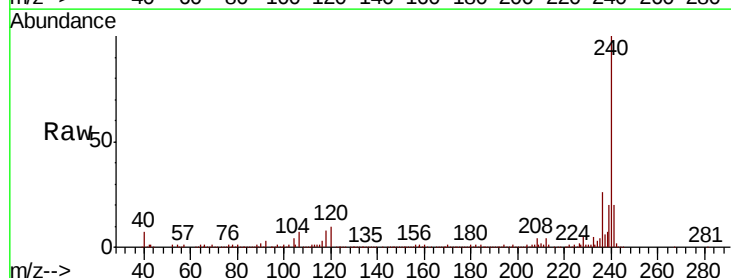
Tgt Ion:240 Resp: 238629

Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

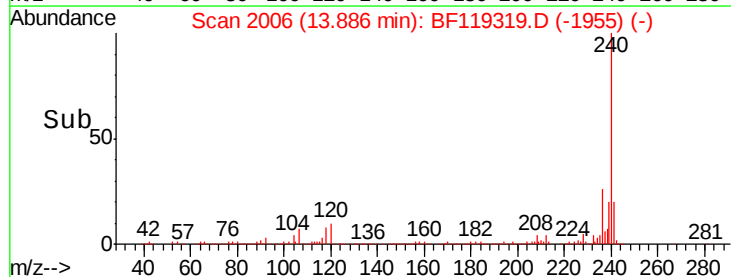
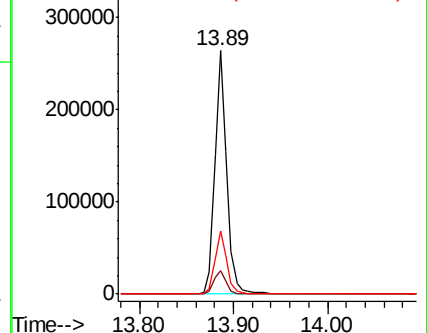
236 26.0 21.0 31.4

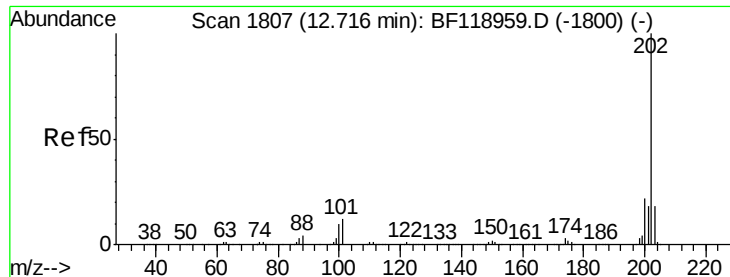


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

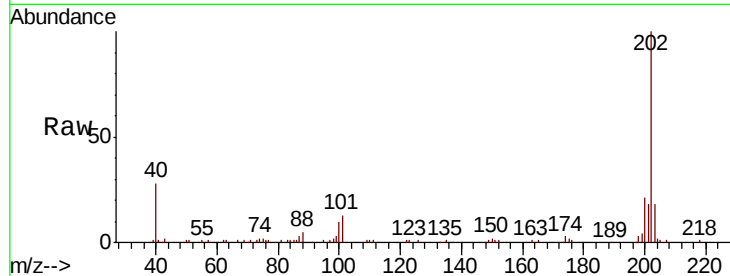




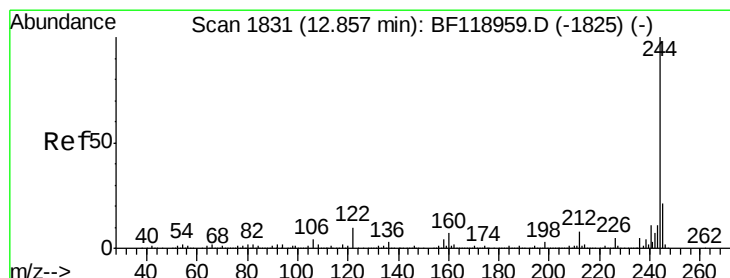
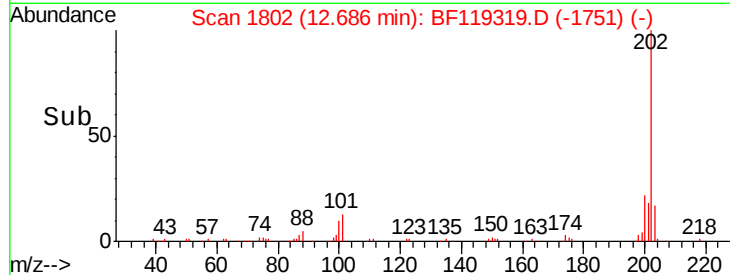
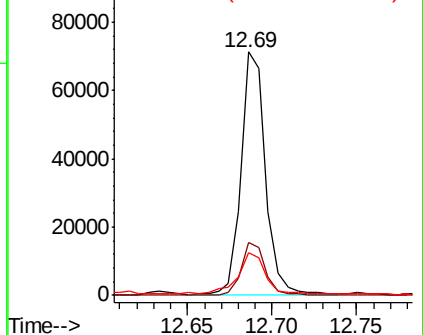
#78
Pvrene
Concen: 3.779 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 72415
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 17.5 14.6 22.0

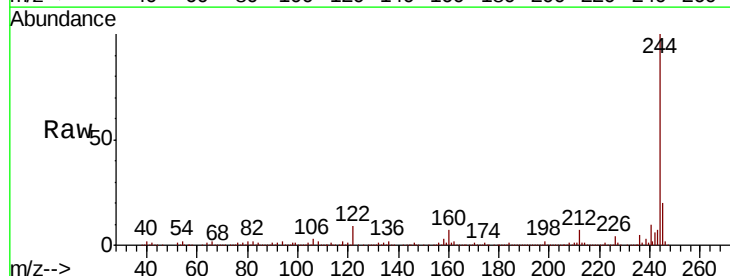


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

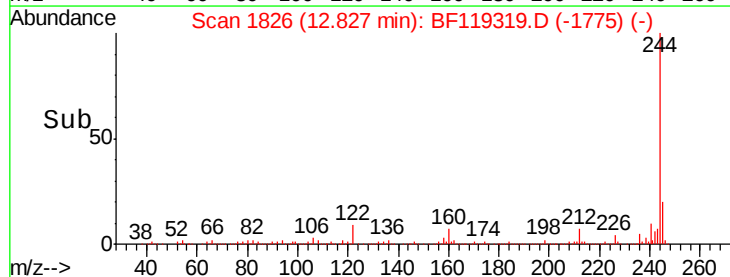
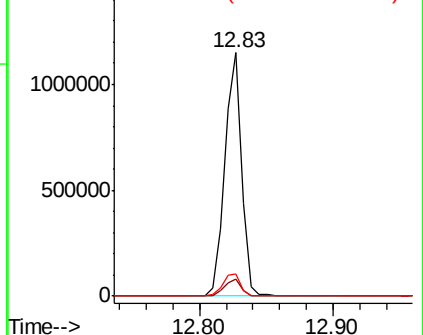


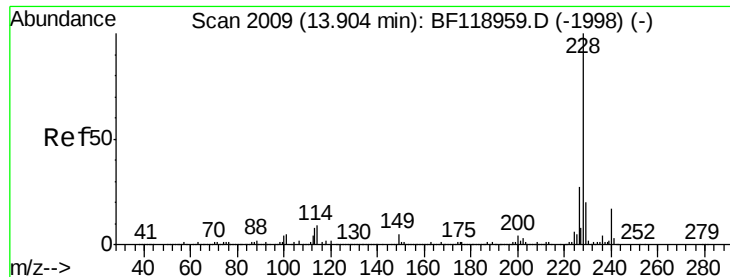
#79
Terphenyl-d14
Concen: 74.273 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Tgt Ion:244 Resp: 1029445
Ion Ratio Lower Upper
244 100
212 7.0 6.6 10.0
122 9.3 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





#81

Benzo(a)anthracene

Concen: 2.648 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

Instrument :

BNA_F

ClientSampled :

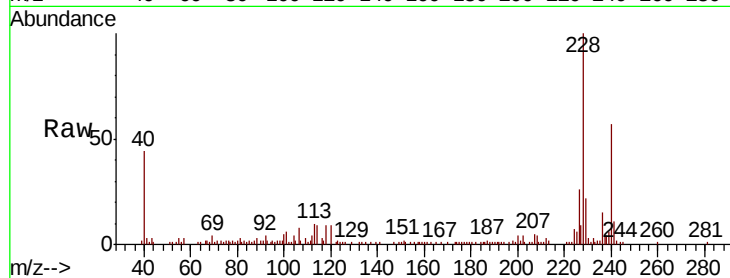
Tot Ion:228 Resp: 43057

Ion Ratio Lower Upper

228 100

226 25.9 22.6 33.8

229 21.7 16.6 24.8

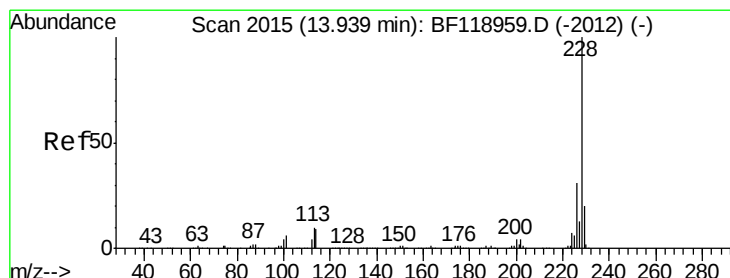
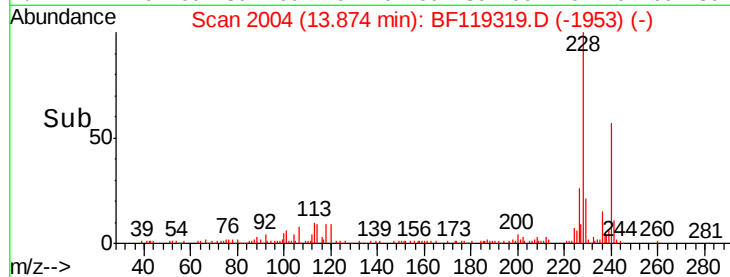
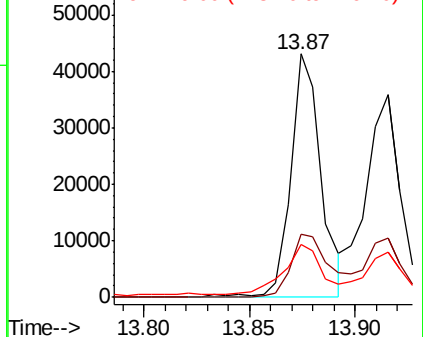


Abundance

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



#83

Chrysene

Concen: 2.617 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF119319.D

Acq: 10 Mar 2020 16:22

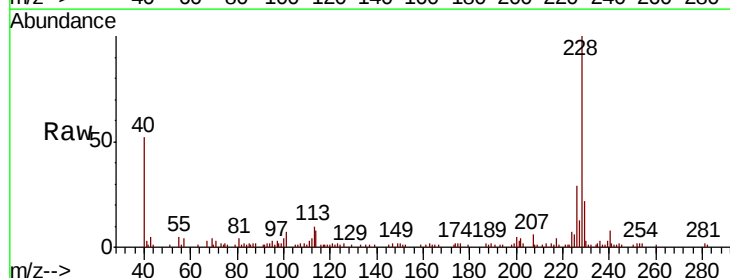
Tgt Ion:228 Resp: 42392

Ion Ratio Lower Upper

228 100

226 29.3 25.1 37.7

229 22.1 16.3 24.5

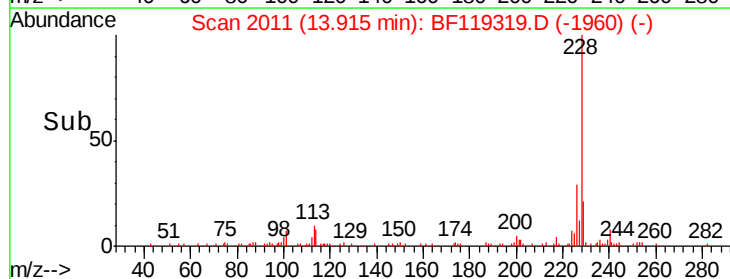
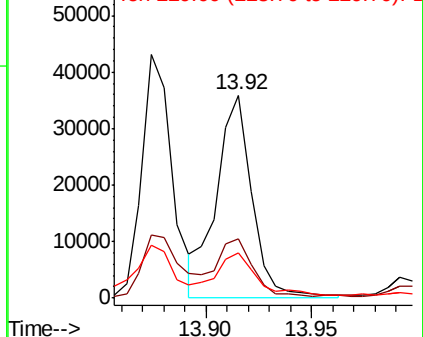


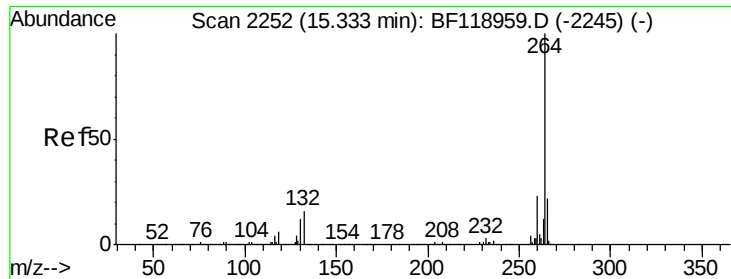
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



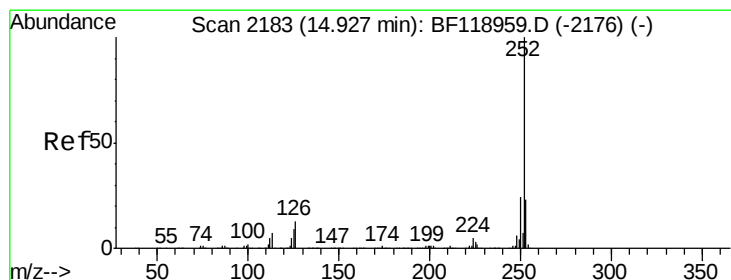
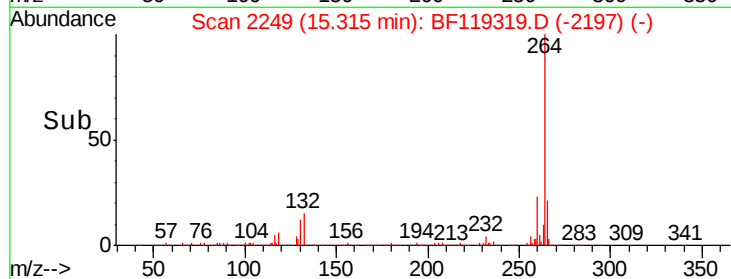
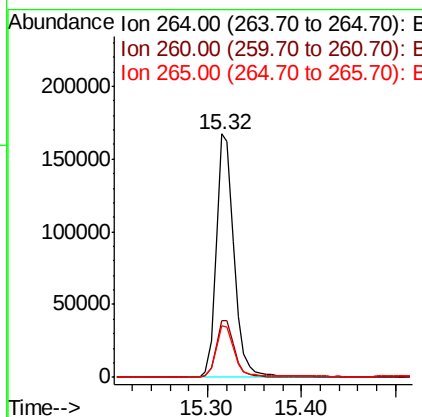
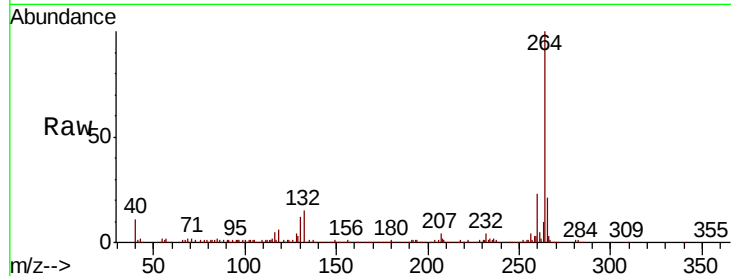


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 223606

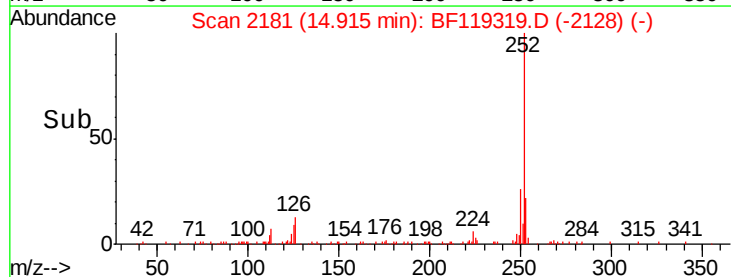
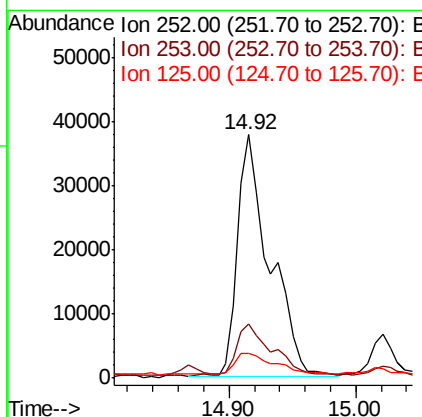
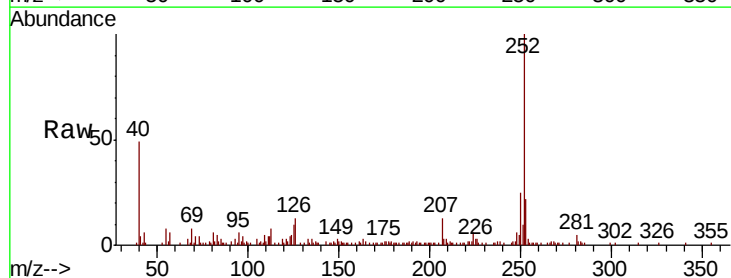
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.4	17.7	26.5

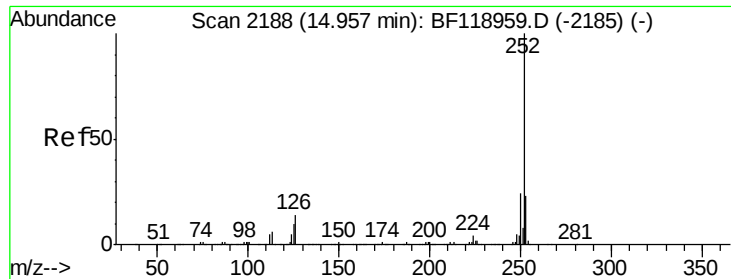


#88
Benzo(b)fluoranthene
Concen: 4.453 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Tgt Ion:252 Resp: 65633

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	10.3	7.4	11.0

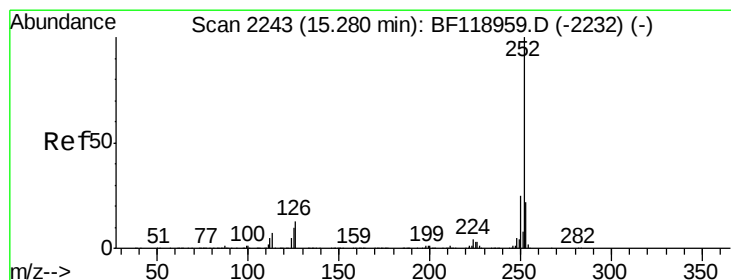
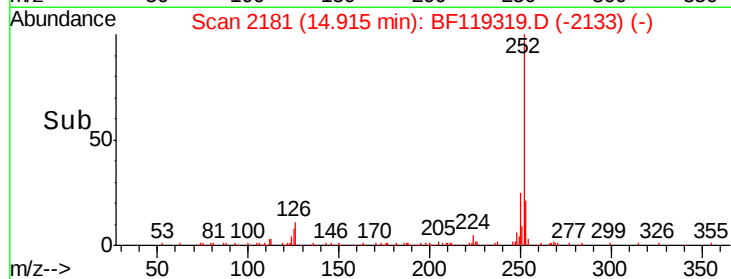
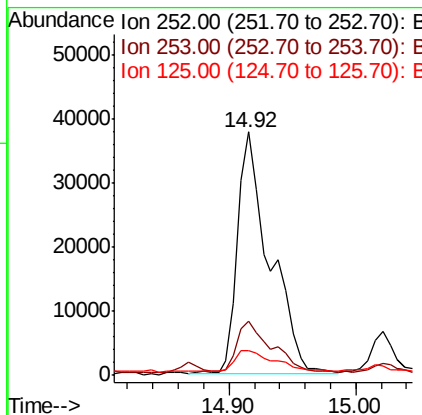
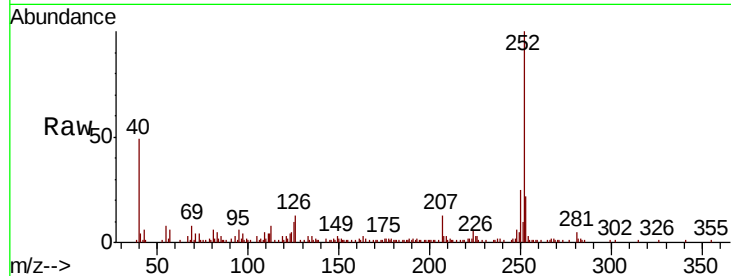




#89
Benzo(k)fluoranthene
Concen: 4.805 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 65633
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.3 7.5 11.3



#90
Benzo(a)pyrene
Concen: 2.314 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119319.D
Acq: 10 Mar 2020 16:22

Tgt Ion:252 Resp: 30787
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 14.0 8.6 12.8#

