

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118311.D
 Acq On : 26 Dec 2019 12:45
 Operator : JU
 Sample : K6413-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 03:20:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	119148	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	498119	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	268826	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	507278	20.00	ng	0.00
76) Chrysene-d12	14.04	240	335808	20.00	ng	-0.01
87) Perylene-d12	15.53	264	351544	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	596995	85.53	ng	0.00
7) Phenol-d6	6.47	99	758315	87.58	ng	-0.01
23) Nitrobenzene-d5	7.41	82	438265	50.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	257150	77.46	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	916545	52.04	ng	-0.01
79) Terphenyl-d14	12.98	244	1128171	55.74	ng	0.00

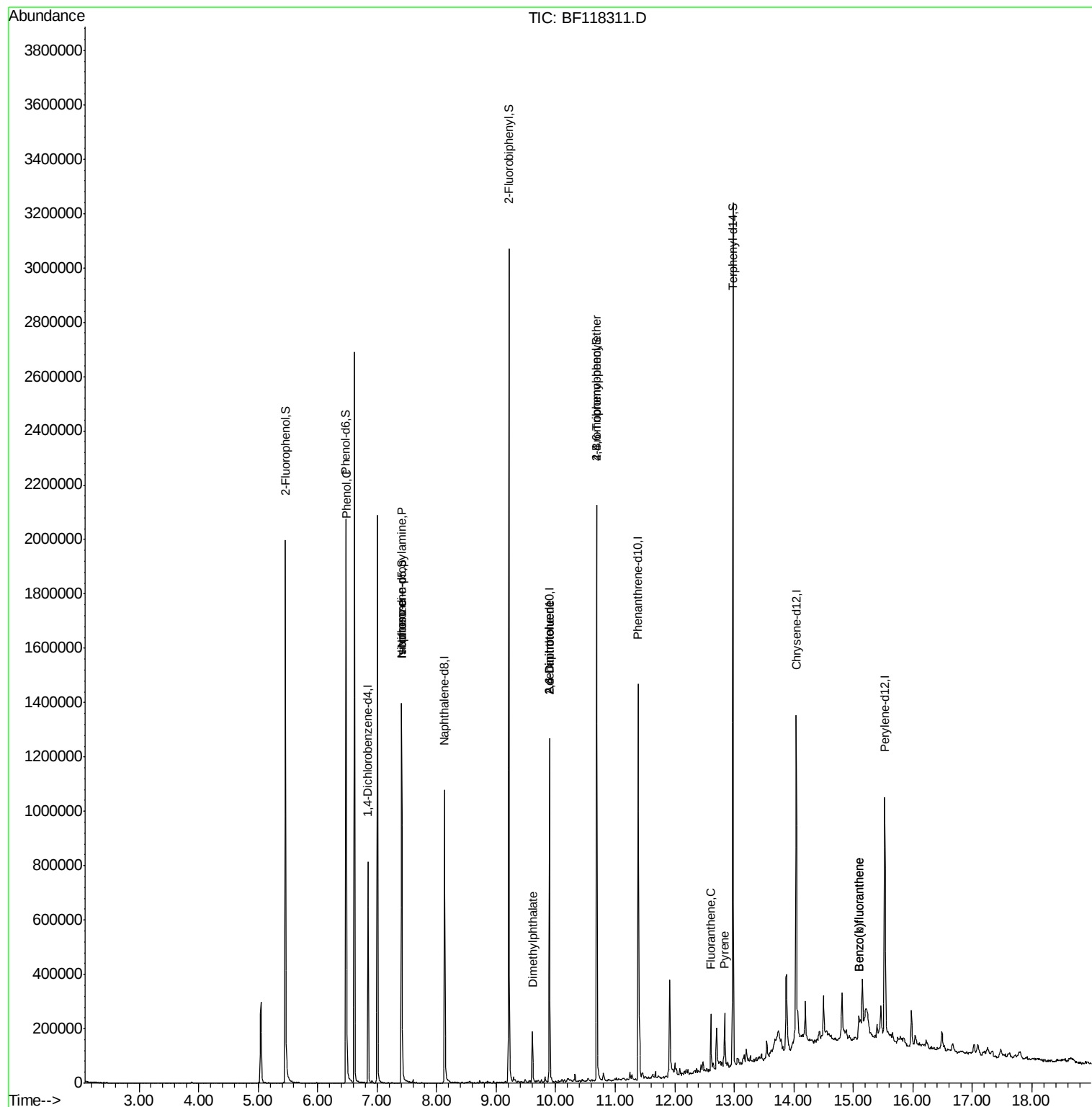
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	28687	2.948	ng	81
19) n-Nitroso-di-n-propylamine	7.41	70	59676	11.187	ng	# 76
25) Isophorone	7.41	82	438259	28.874	ng	# 62
50) Dimethylphthalate	9.61	163	79898	3.959	ng	98
51) 2,6-Dinitrotoluene	9.89	165	35453	8.149	ng	# 26
57) 2,4-Dinitrotoluene	9.89	165	35453	6.099	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	16131	2.717	ng	# 1
75) Fluoranthene	12.61	202	80879	2.898	ng	99
78) Pyrene	12.84	202	82204	2.998	ng	96
88) Benzo(b)fluoranthene	15.09	252	52830	2.264	ng	# 91
89) Benzo(k)fluoranthene	15.09	252	52830	2.358	ng	# 92

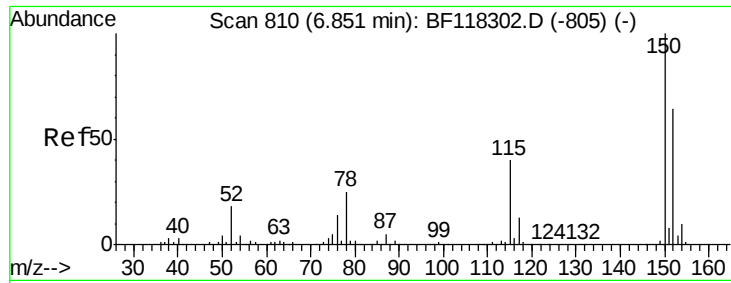
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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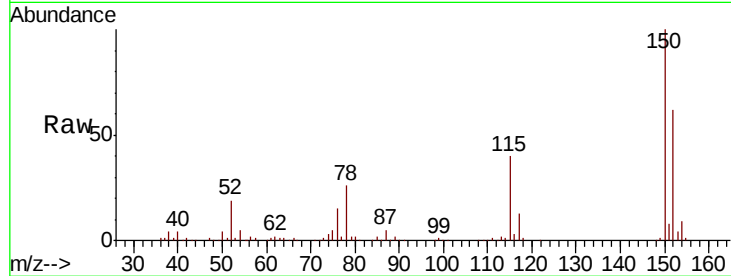


#1

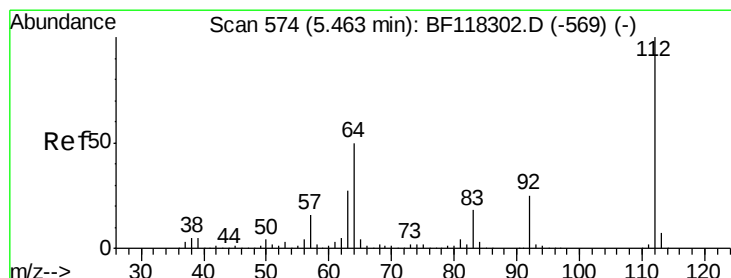
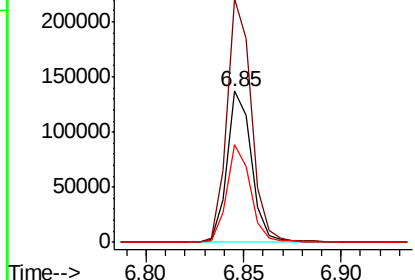
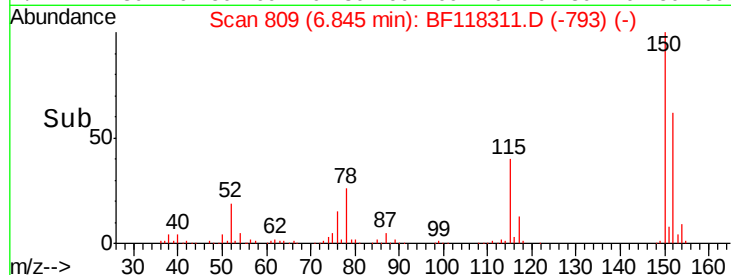
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118311.D
 Acq: 26 Dec 2019 12:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 119148
 Ion Ratio Lower Upper
 152 100
 150 161.2 125.4 188.2
 115 64.7 50.2 75.4



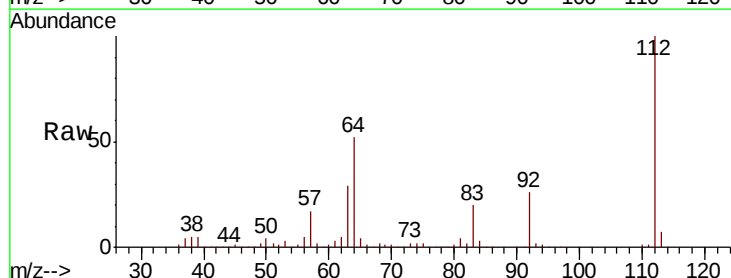
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



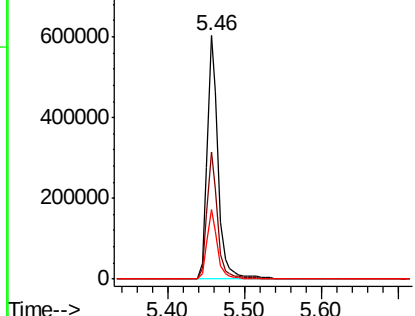
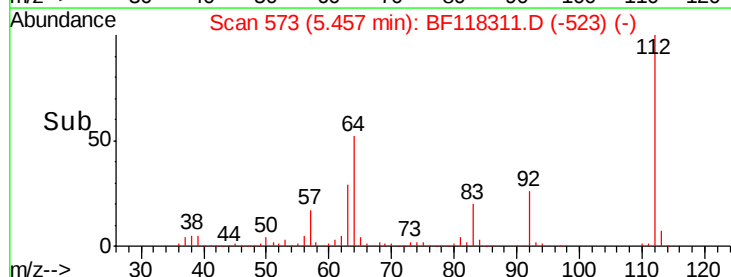
#5

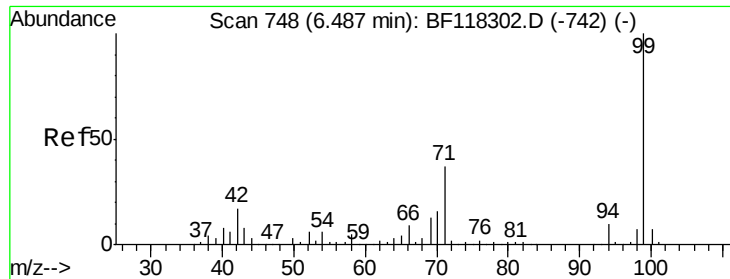
2-Fluorophenol
 Concen: 85.529 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF118311.D
 Acq: 26 Dec 2019 12:45

Tgt Ion:112 Resp: 596995
 Ion Ratio Lower Upper
 112 100
 64 52.2 39.7 59.5
 63 28.7 21.7 32.5



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: 87.577 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

Instrument :

BNA_F

ClientSampleId :

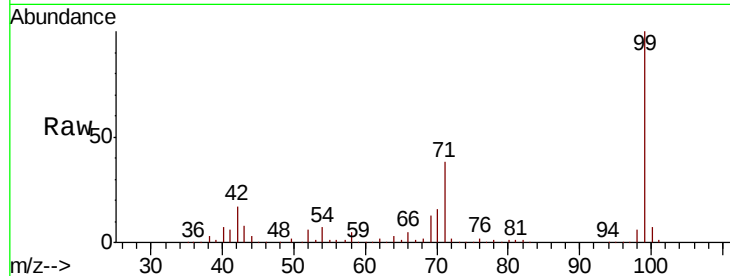
Tot Ion: 99 Resp: 758315

Ion Ratio Lower Upper

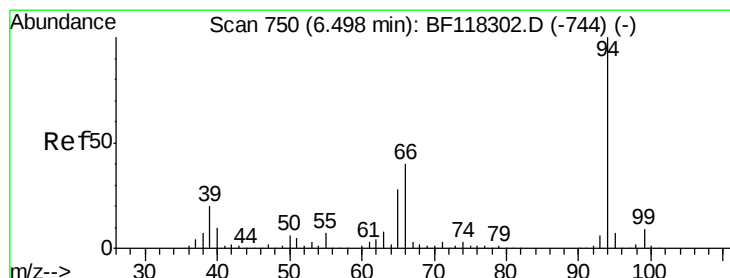
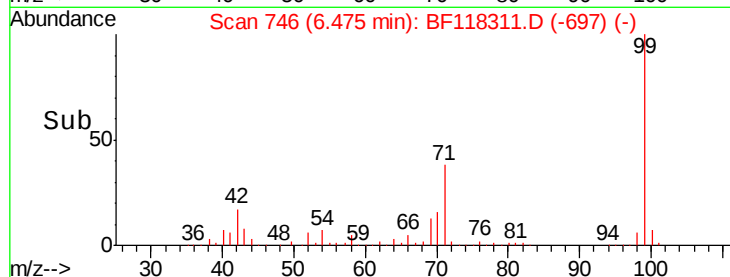
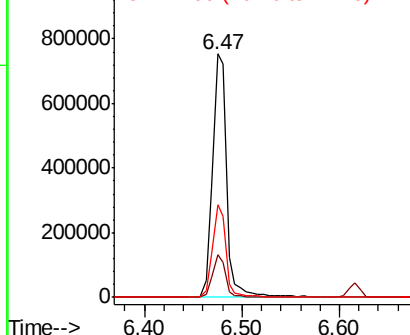
99 100

42 17.3 13.5 20.3

71 37.9 29.4 44.2



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



#10

Phenol

Concen: 2.948 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

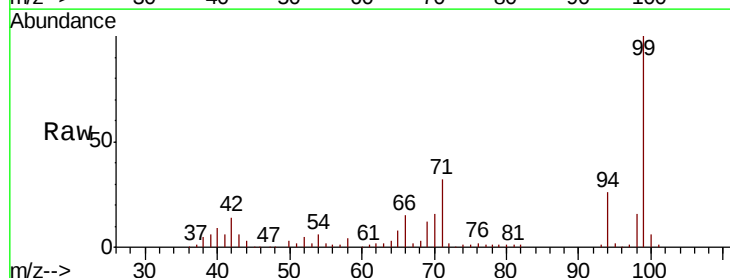
Tgt Ion: 94 Resp: 28687

Ion Ratio Lower Upper

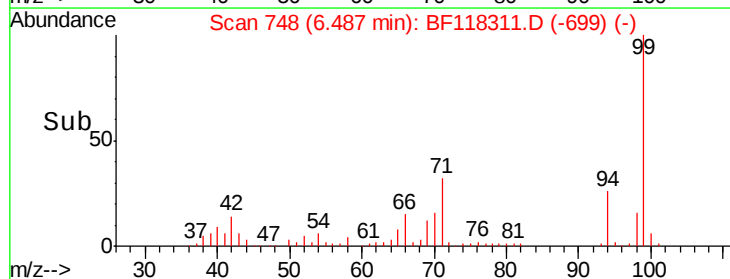
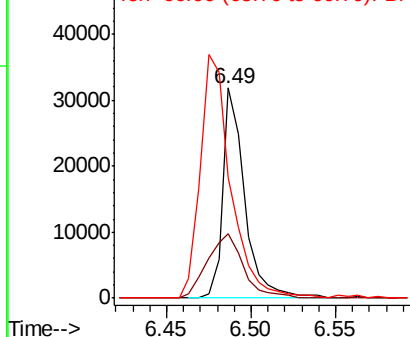
94 100

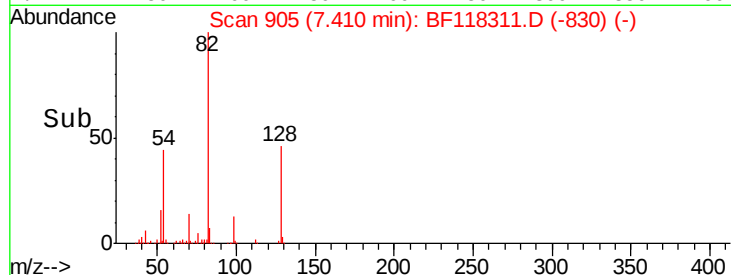
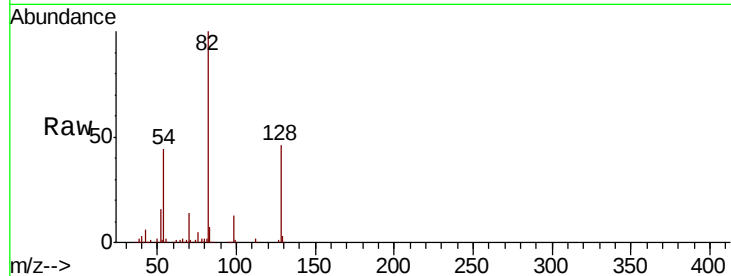
65 30.6 7.8 47.8

66 57.6 20.4 60.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

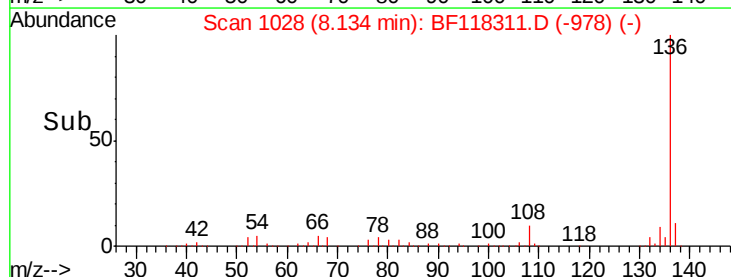
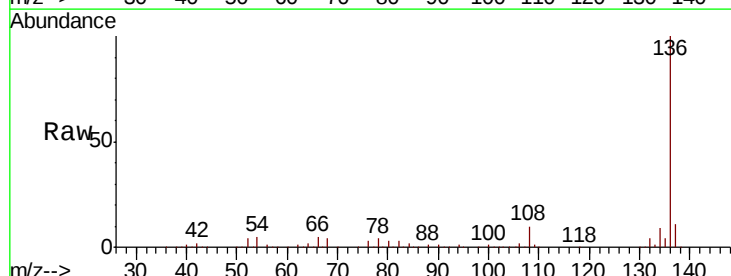
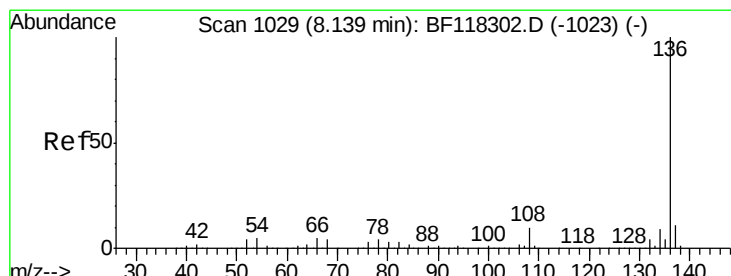
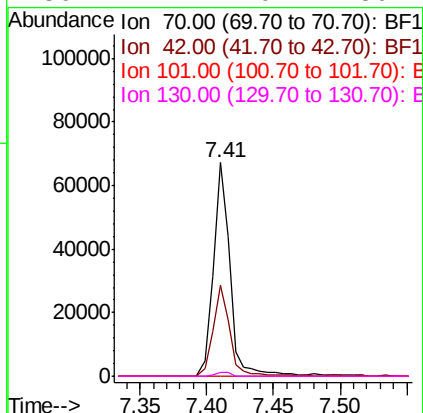




#19
n-Nitroso-di-n-propylamine
Concen: 11.187 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF118311.D
Acq: 26 Dec 2019 12:45

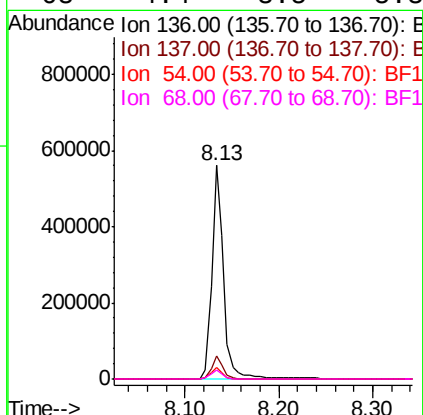
Instrument :
BNA_F
ClientSampleId :

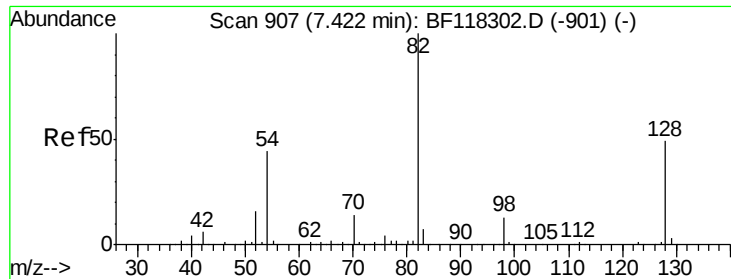
Tot Ion: 70 Resp: 59676
Ion Ratio Lower Upper
70 100
42 42.3 41.1 61.7
101 0.0 8.3 12.5#
130 2.1 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118311.D
Acq: 26 Dec 2019 12:45

Tgt Ion: 136 Resp: 498119
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 5.5 4.2 6.4
68 4.4 3.5 5.3





#23

Nitrobenzene-d5

Concen: 50.322 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

Instrument :

BNA_F

ClientSampleId :

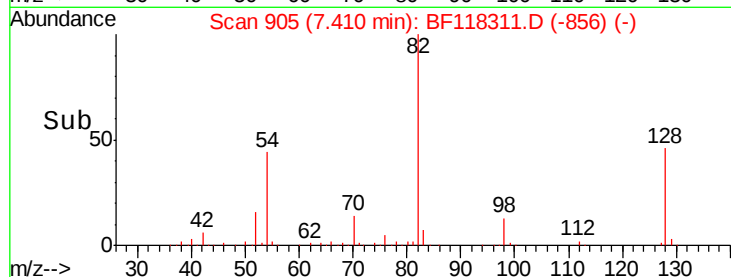
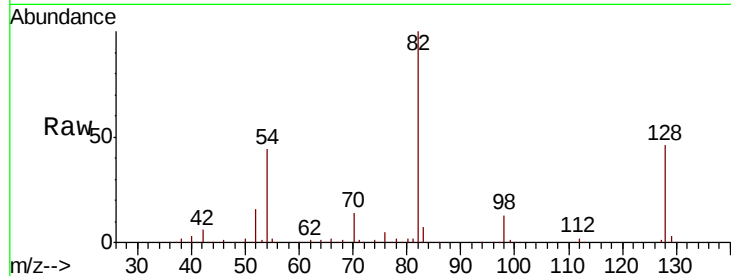
Tot Ion: 82 Resp: 438265

Ion Ratio Lower Upper

82 100

128 46.0 39.6 59.4

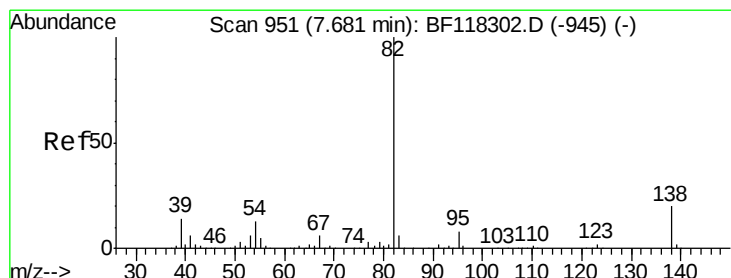
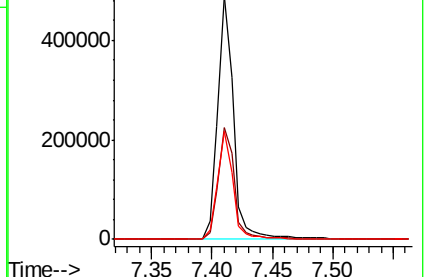
54 44.1 34.9 52.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 28.874 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

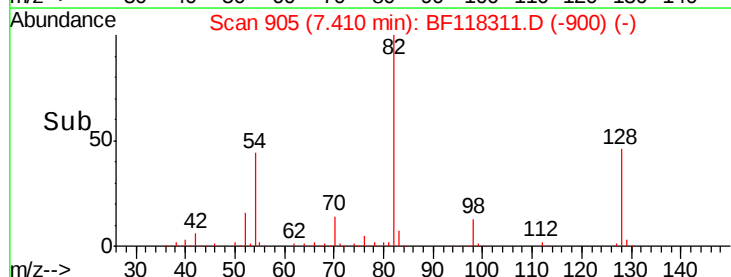
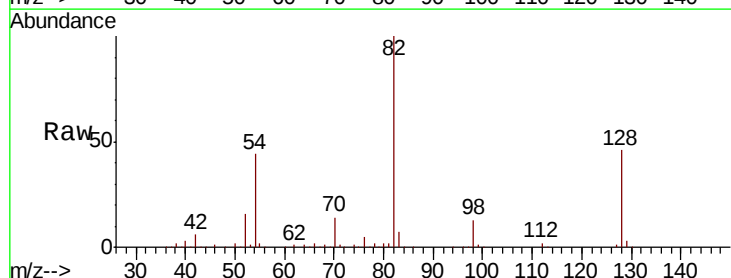
Tgt Ion: 82 Resp: 438259

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

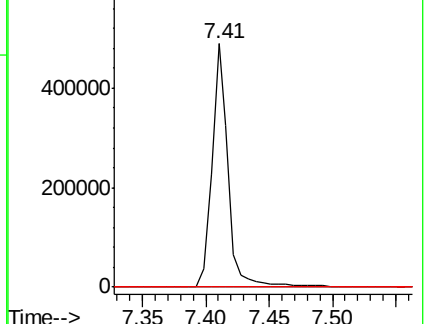
138 0.0 16.2 24.2#

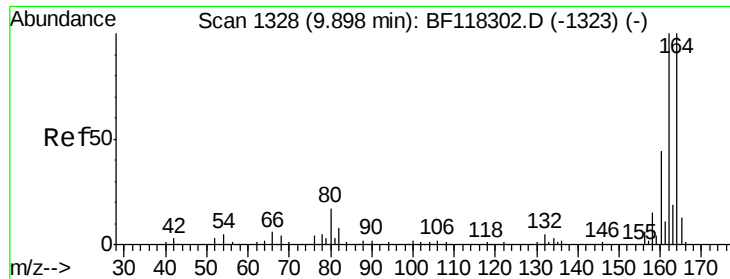


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

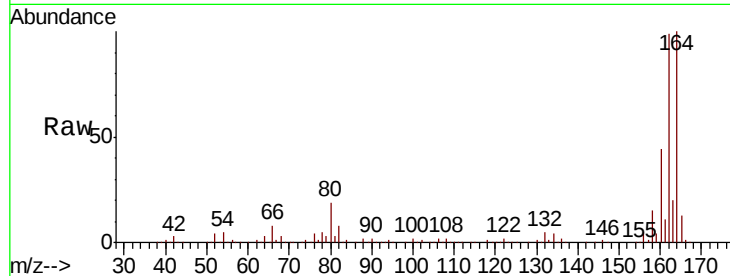




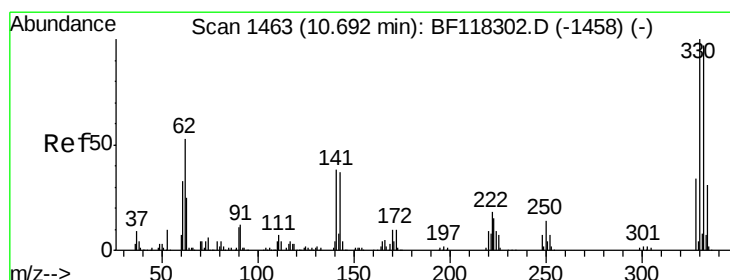
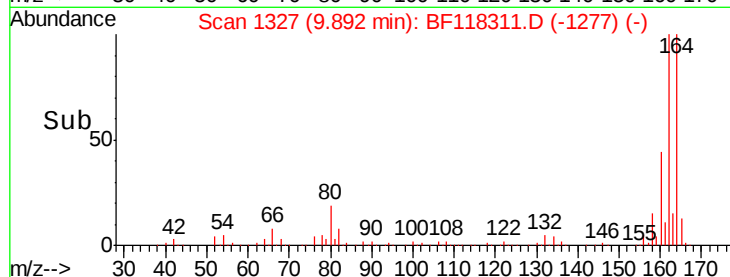
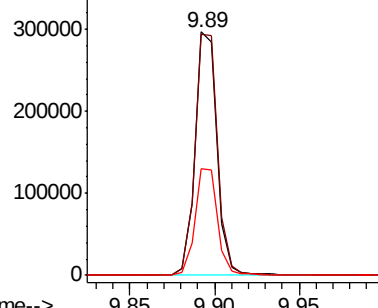
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118311.D
Acq: 26 Dec 2019 12:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 268826
Ion Ratio Lower Upper
164 100
162 98.9 80.0 120.0
160 43.8 34.8 52.2

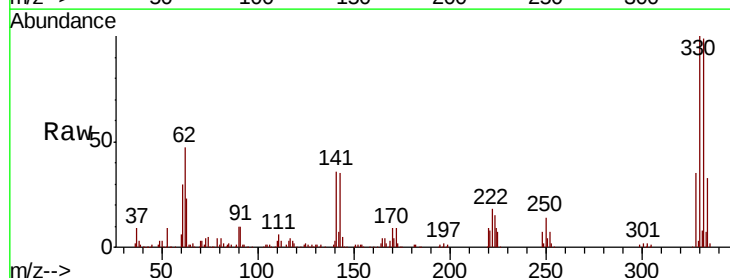


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

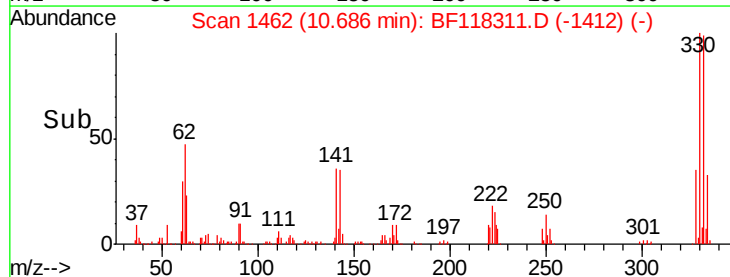
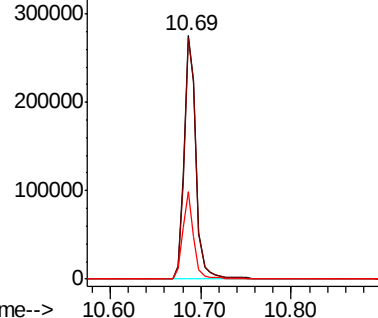


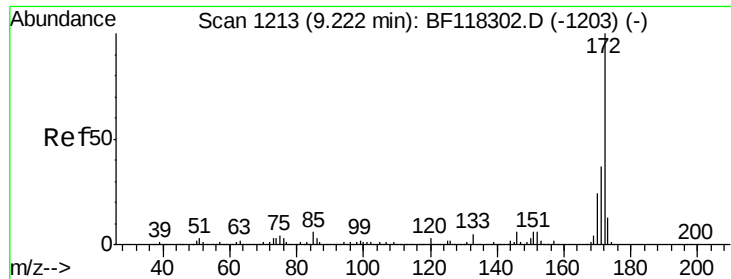
#42
2,4,6-Tribromophenol
Concen: 77.459 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF118311.D
Acq: 26 Dec 2019 12:45

Tgt Ion:330 Resp: 257150
Ion Ratio Lower Upper
330 100
332 98.3 76.6 114.8
141 33.2 26.0 39.0



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

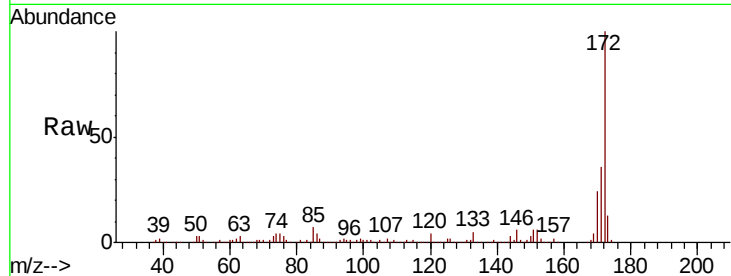




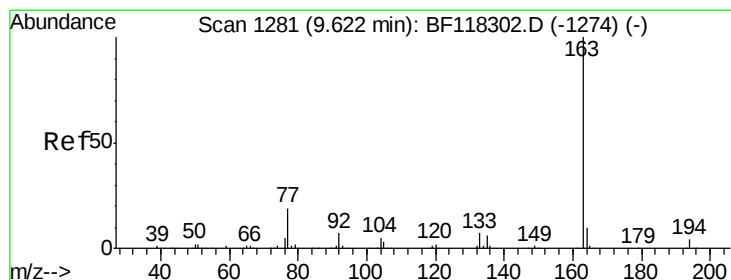
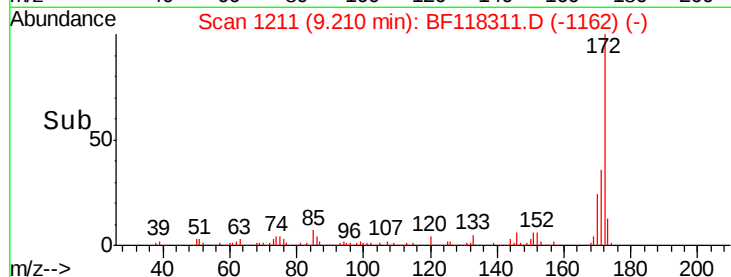
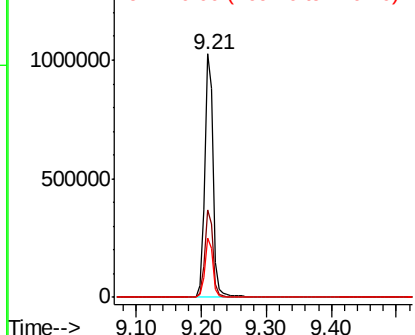
#45
2-Fluorobiphenyl
Concen: 52.044 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF118311.D
Acq: 26 Dec 2019 12:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 916545
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 24.4 19.2 28.8

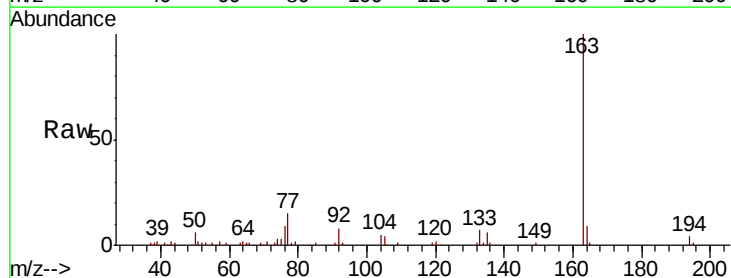


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

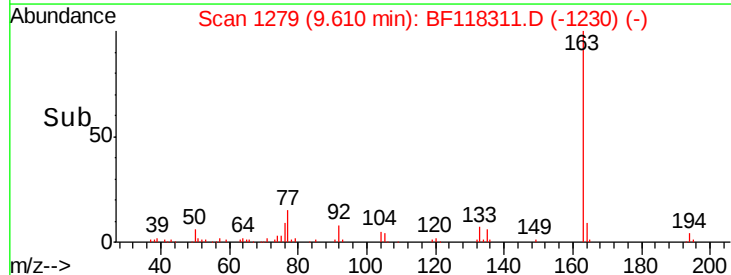
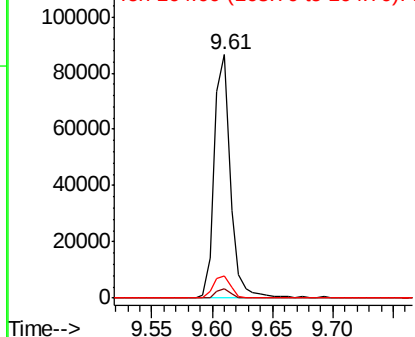


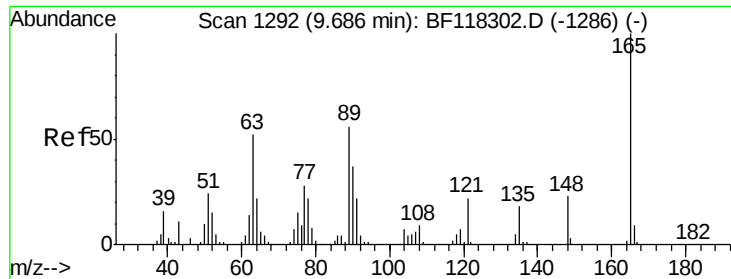
#50
Dimethylphthalate
Concen: 3.959 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118311.D
Acq: 26 Dec 2019 12:45

Tgt Ion:163 Resp: 79898
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.1 7.9 11.9



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

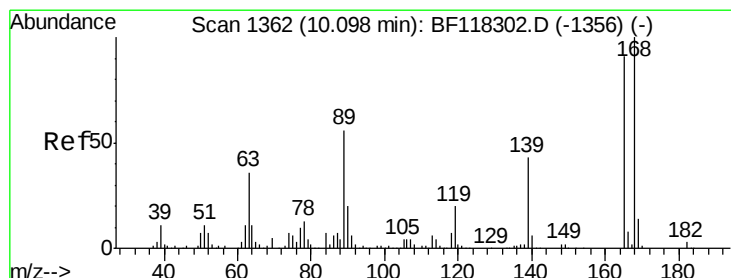
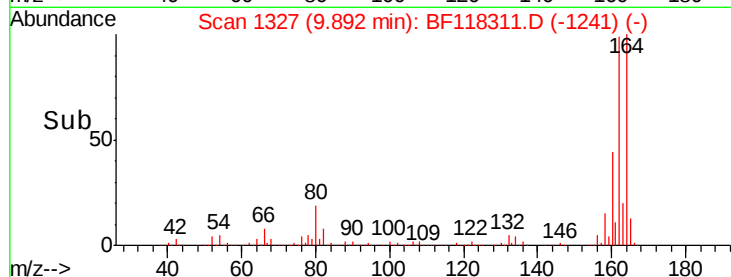
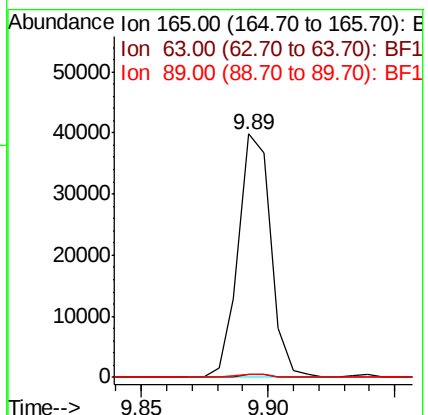
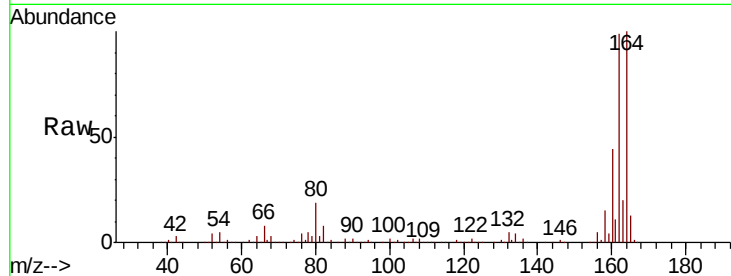




#51
 2,6-Dinitrotoluene
 Concen: 8.149 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF118311.D
 Acq: 26 Dec 2019 12:45

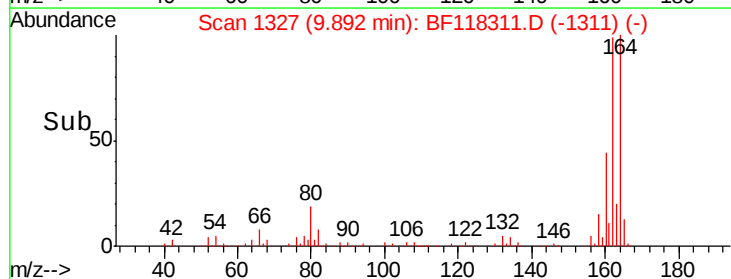
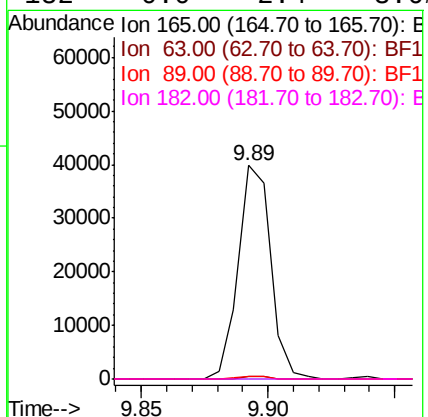
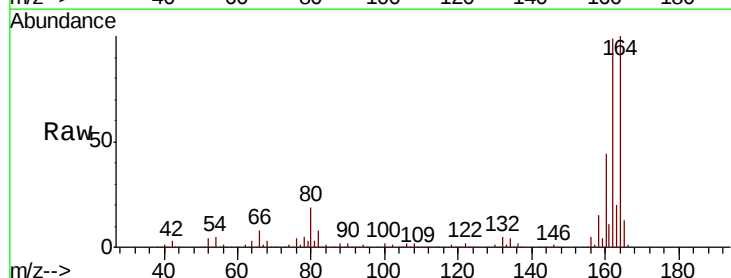
Instrument :
 BNA_F
 ClientSampled :

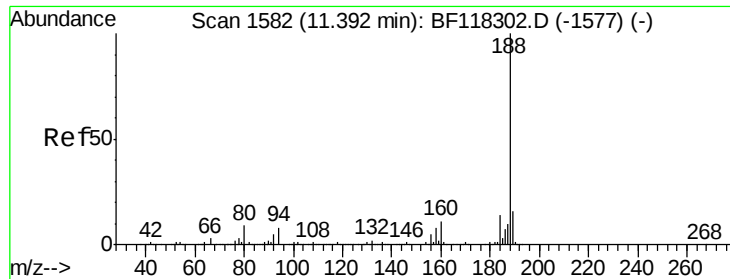
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.4#
89	1.0	44.4	66.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.099 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.21 min
 Lab File: BF118311.D
 Acq: 26 Dec 2019 12:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	32.0	48.0#
89	1.0	49.3	73.9#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

Instrument :

BNA_F

ClientSampleId :

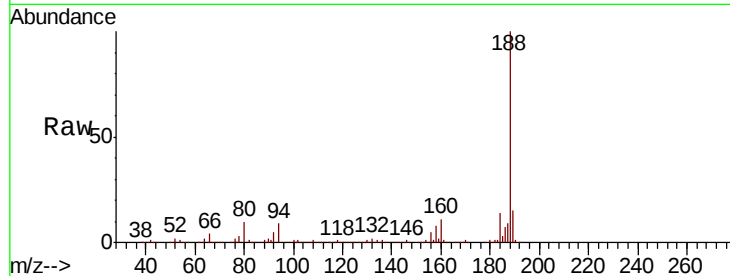
Tot Ion:188 Resp: 507278

Ion Ratio Lower Upper

188 100

94 8.7 6.7 10.1

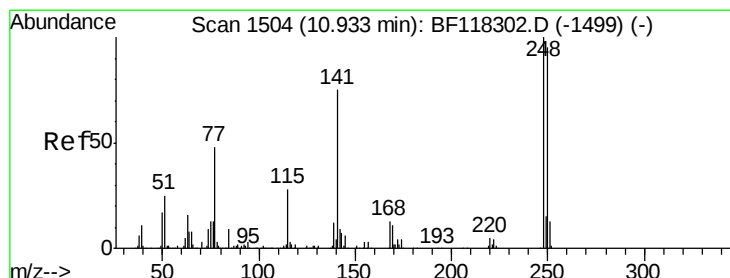
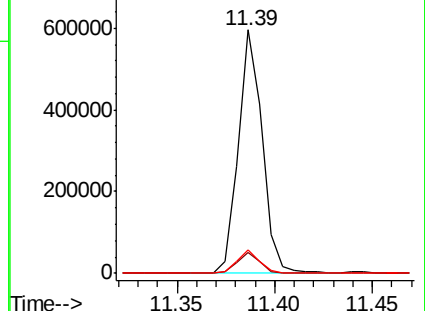
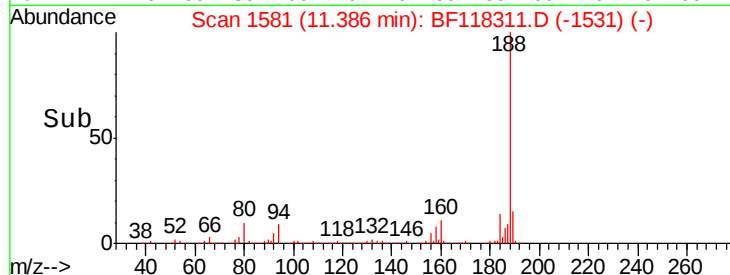
80 9.7 7.2 10.8



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: 2.717 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.25 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

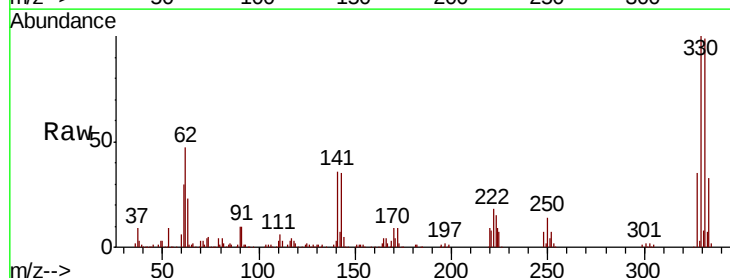
Tgt Ion:248 Resp: 16131

Ion Ratio Lower Upper

248 100

250 201.7 76.4 114.6#

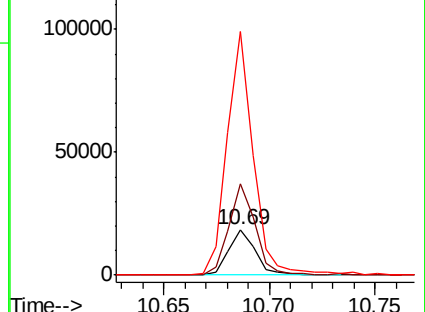
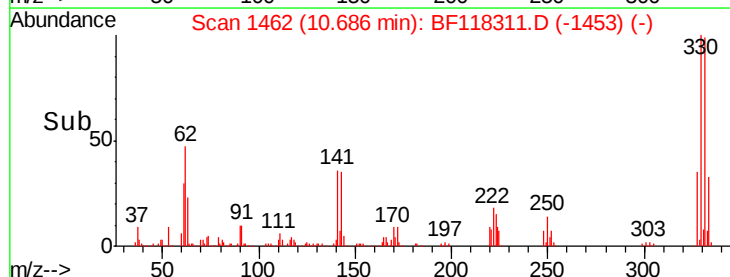
141 536.6 60.2 90.2#

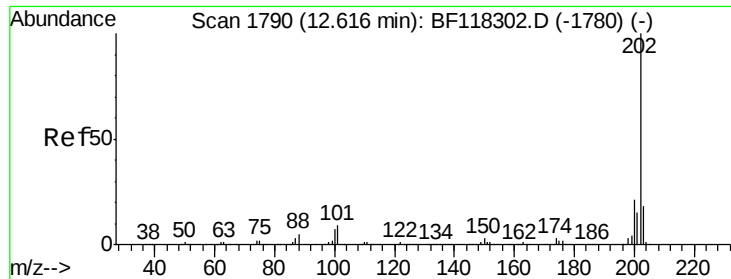


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.898 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

Instrument :

BNA_F

ClientSampleId :

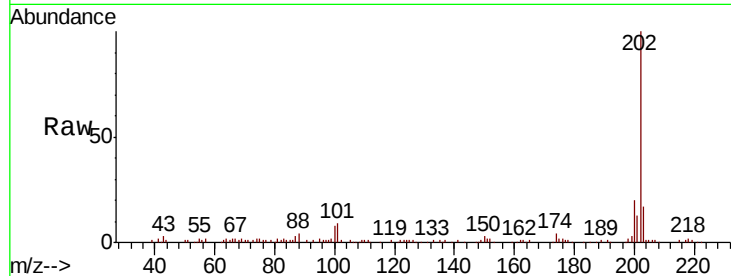
Tot Ion:202 Resp: 80879

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.5

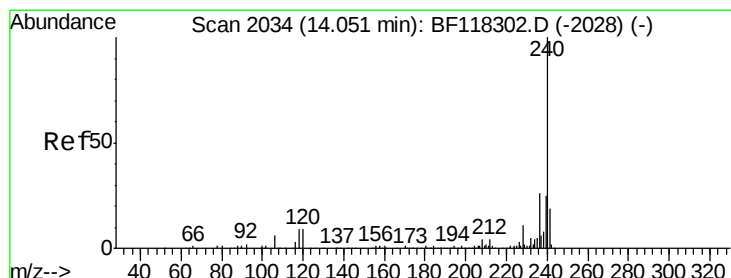
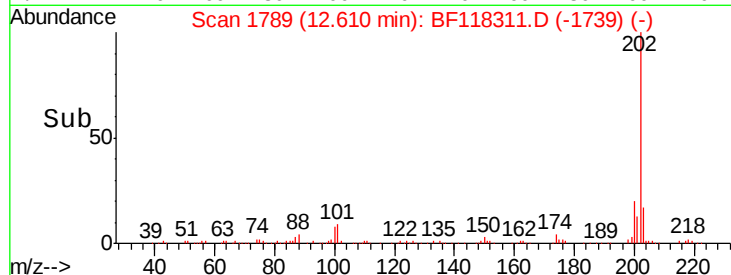
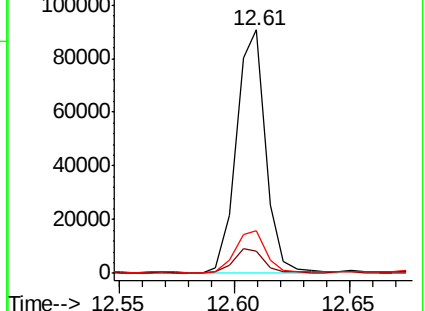
203 17.4 0.0 37.6



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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

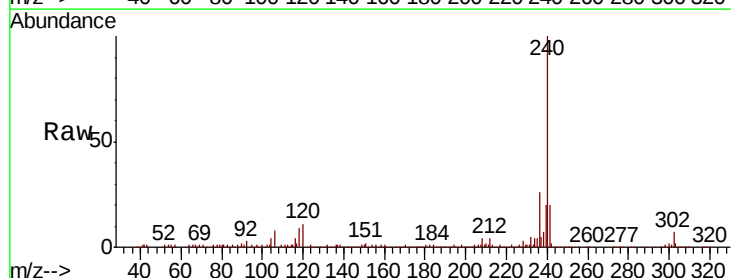
Tgt Ion:240 Resp: 335808

Ion Ratio Lower Upper

240 100

120 11.0 7.1 10.7#

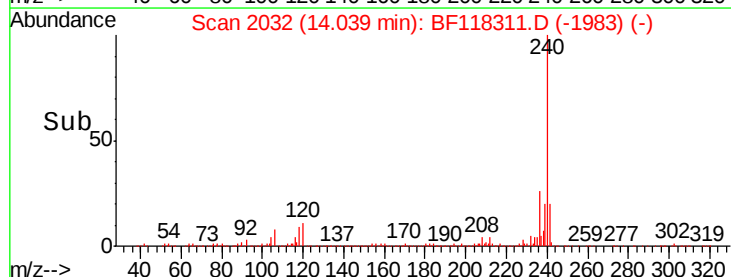
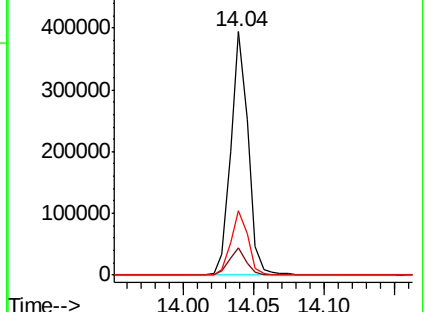
236 26.2 21.0 31.6

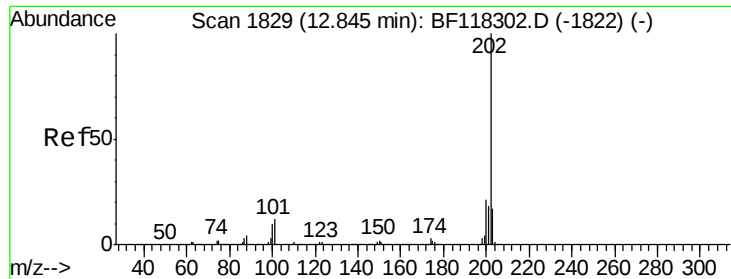


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

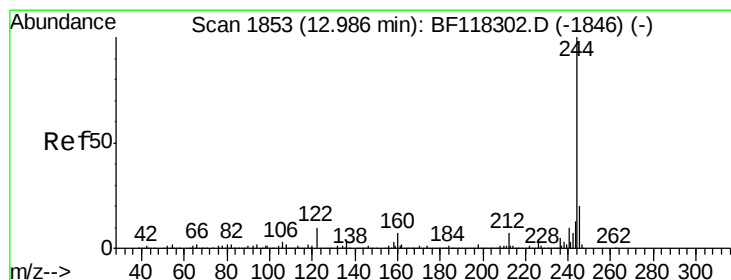
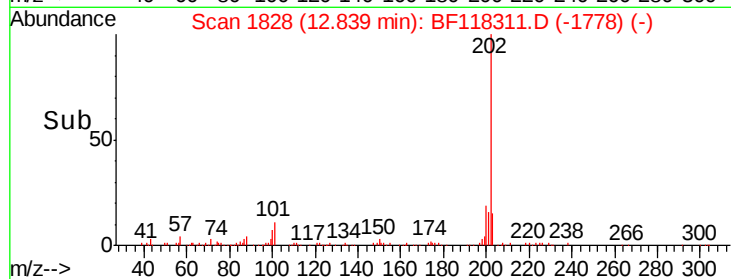
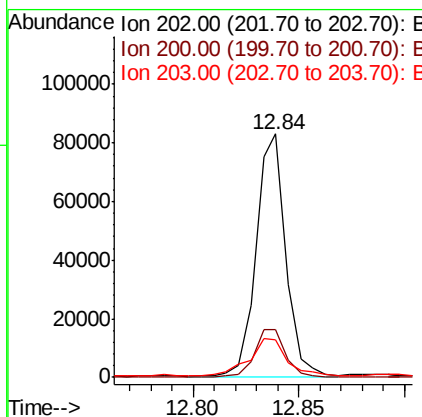
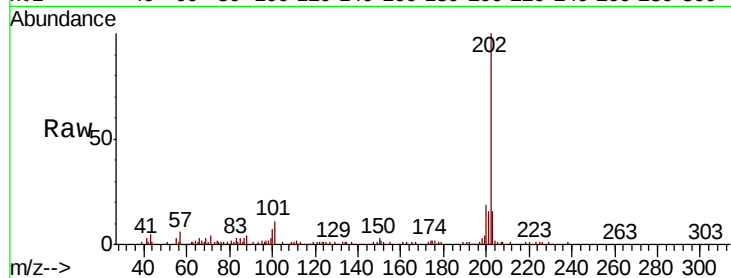




#78
Pvrene
Concen: 2.998 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118311.D
Acq: 26 Dec 2019 12:45

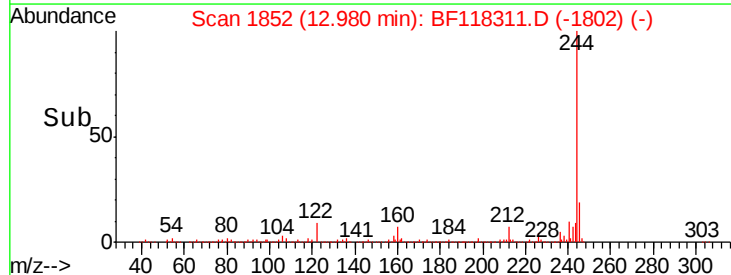
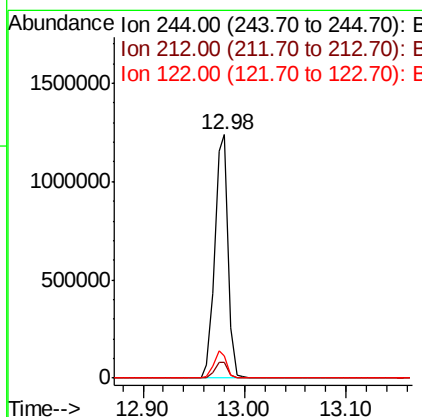
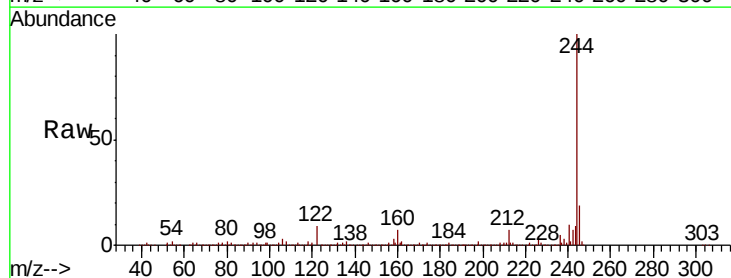
Instrument :
BNA_F
ClientSampled :

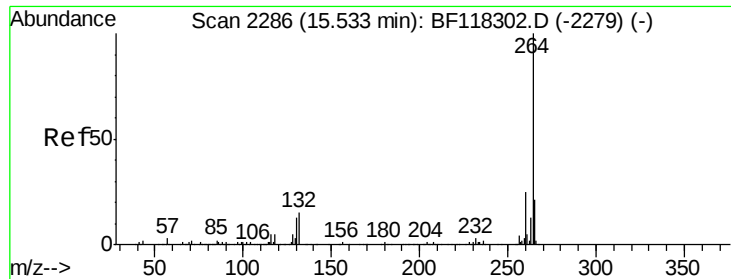
Tot Ion:202 Resp: 82204
Ion Ratio Lower Upper
202 100
200 19.4 16.8 25.2
203 15.6 13.9 20.9



#79
Terphenyl-d14
Concen: 55.736 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118311.D
Acq: 26 Dec 2019 12:45

Tgt Ion:244 Resp: 1128171
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 8.9 7.8 11.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

Instrument :

BNA_F

ClientSampleId :

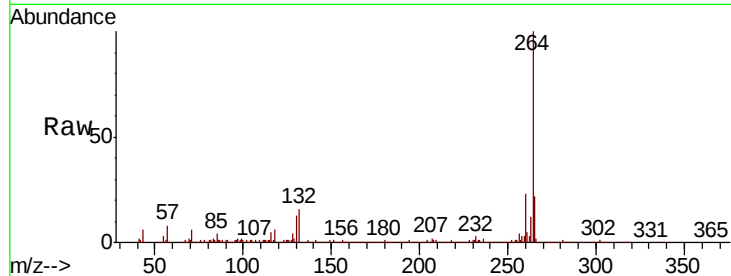
Tot Ion:264 Resp: 351544

Ion Ratio Lower Upper

264 100

260 23.3 19.8 29.6

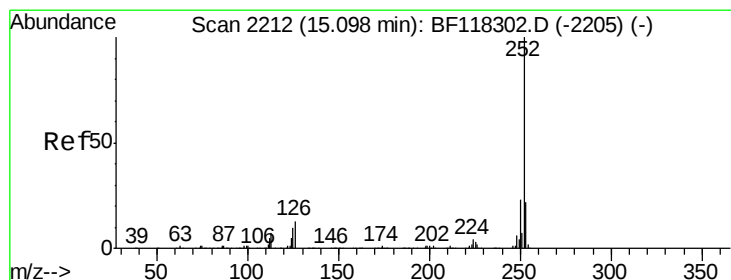
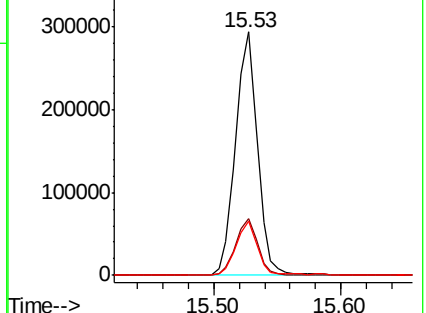
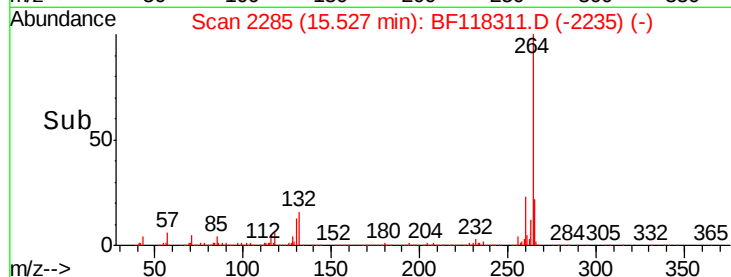
265 22.0 17.0 25.4



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: 2.264 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BF118311.D

Acq: 26 Dec 2019 12:45

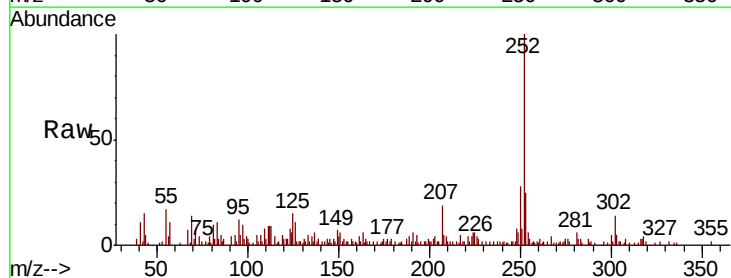
Tgt Ion:252 Resp: 52830

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

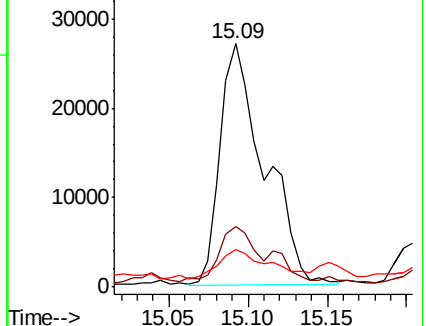
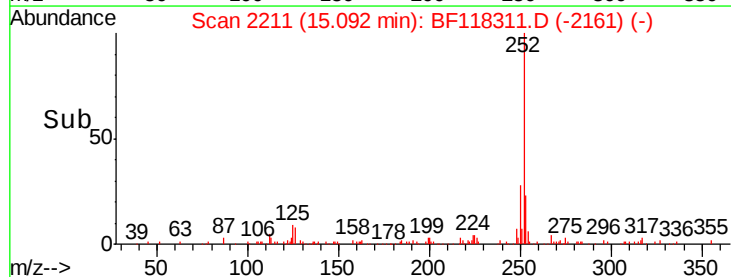
125 15.2 7.7 11.5#

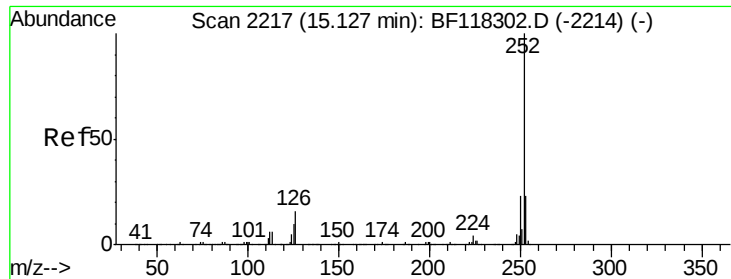


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

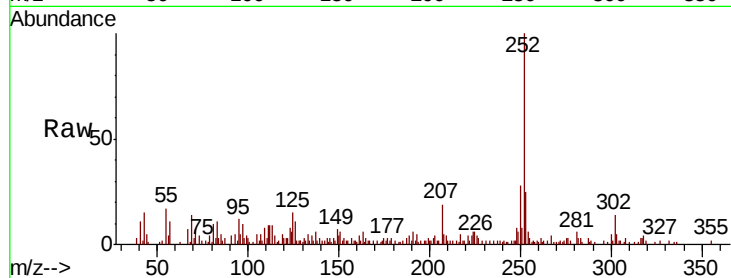




#89
 Benzo(k)fluoranthene
 Concen: 2.358 ng
 RT: 15.09 min Scan# 2211
 Delta R.T. -0.04 min
 Lab File: BF118311.D
 Acq: 26 Dec 2019 12:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	15.2	8.0	12.0



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

