

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117613.D
 Acq On : 30 Oct 2019 2:09
 Operator : JU
 Sample : K5587-16 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 06:59:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

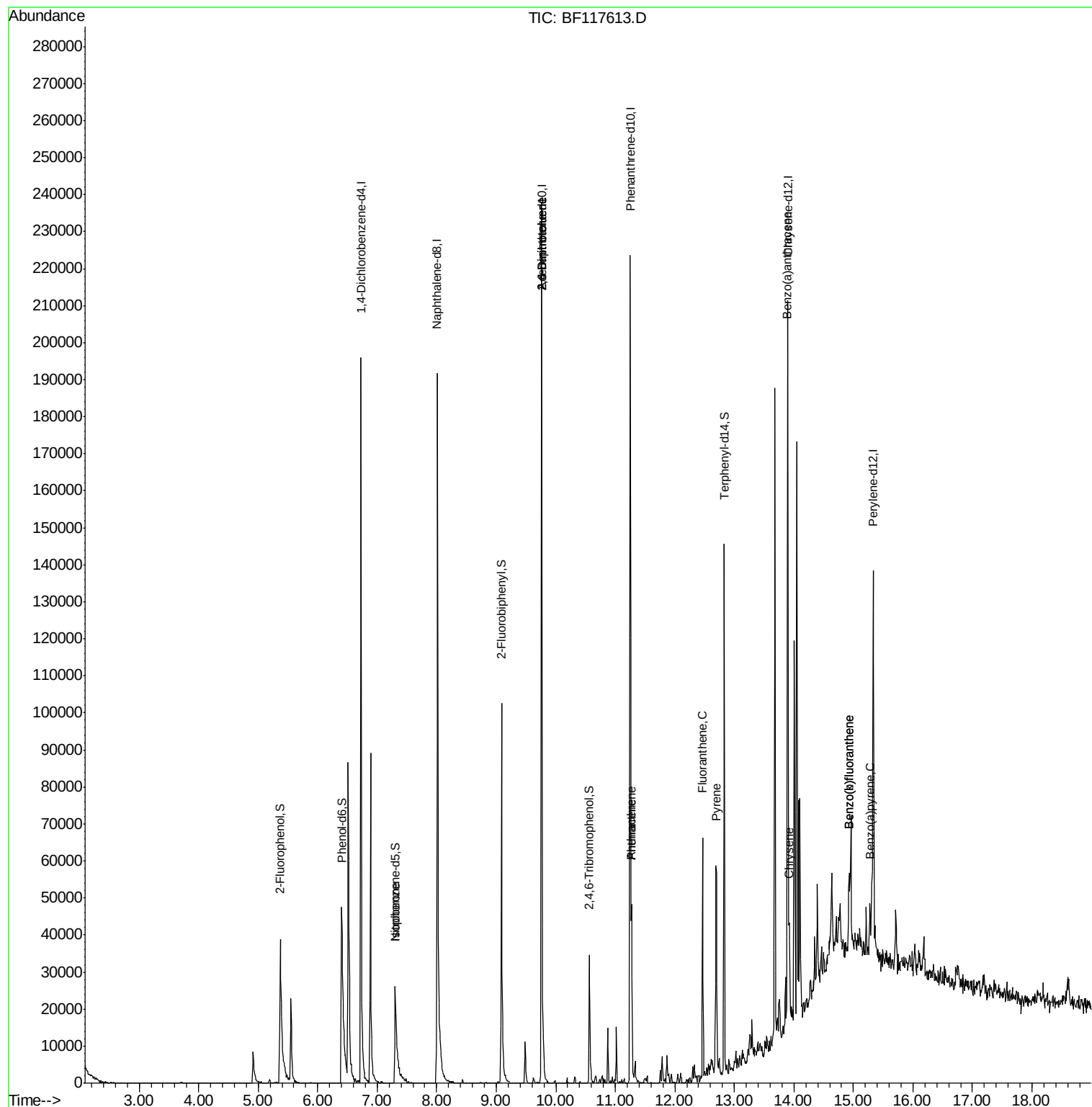
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	34651	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	133965	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	61391	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	93611	20.00	ng	0.00
76) Chrysene-d12	13.90	240	64332	20.00	ng	0.00
87) Perylene-d12	15.33	264	48646	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	32679	14.03	ng	0.02
7) Phenol-d6	6.40	99	47406	15.15	ng	0.02
23) Nitrobenzene-d5	7.31	82	24737	9.12	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	6554	12.34	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	51621	11.85	ng	0.00
79) Terphenyl-d14	12.83	244	45795	11.61	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	725	Below Cal	#	59
25) Isophorone	7.31	82	24737	5.270 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	7259	7.948 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	7259	5.978 ng	#	12
71) Phenanthrene	11.27	178	18861	3.470 ng		97
72) Anthracene	11.27	178	18861	3.382 ng		96
75) Fluoranthene	12.47	202	30564	5.617 ng		100
77) Benzydine	12.83	184	575	Below Cal	#	67
78) Pyrene	12.70	202	27936	5.056 ng		95
81) Benzo(a)anthracene	13.89	228	10784	2.485 ng	#	93
83) Chrysene	13.92	228	10053	2.364 ng		95
88) Benzo(b)fluoranthene	14.93	252	14209	4.946 ng	#	93
89) Benzo(k)fluoranthene	14.93	252	14209	4.826 ng	#	92
90) Benzo(a)pyrene	15.28	252	6372	2.440 ng	#	84

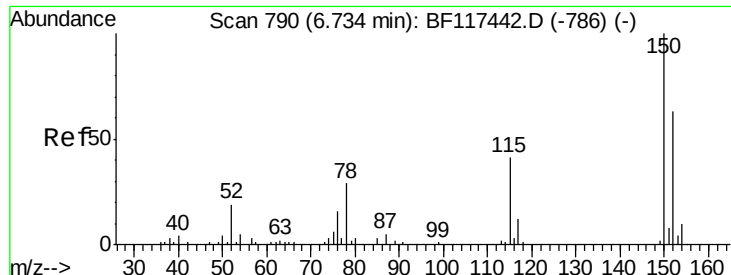
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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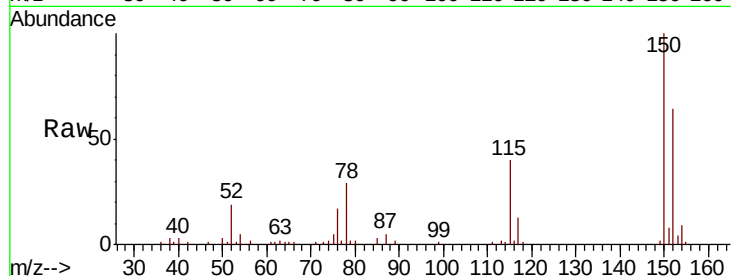


#1

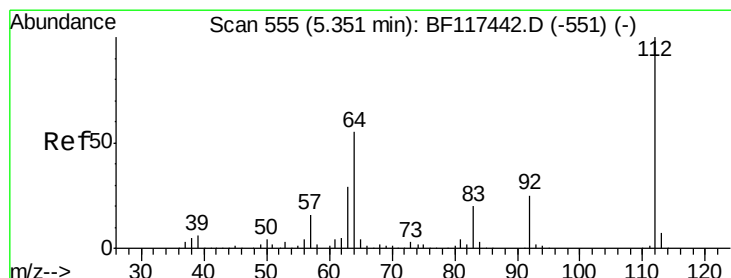
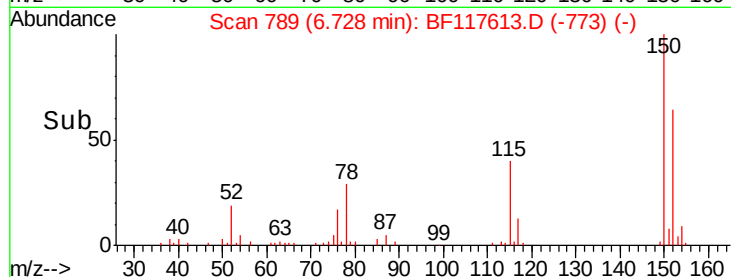
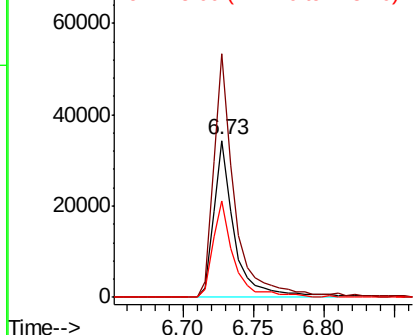
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 34651
Ion Ratio Lower Upper
152 100
150 155.5 126.8 190.2
115 61.8 51.6 77.4



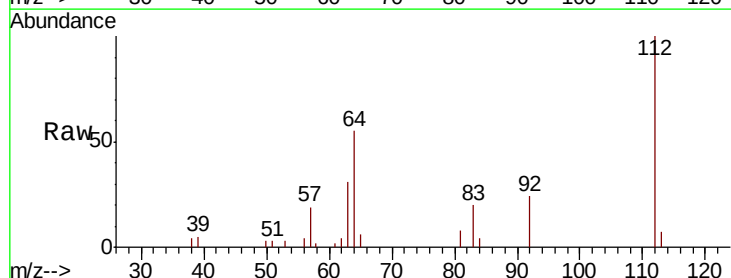
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



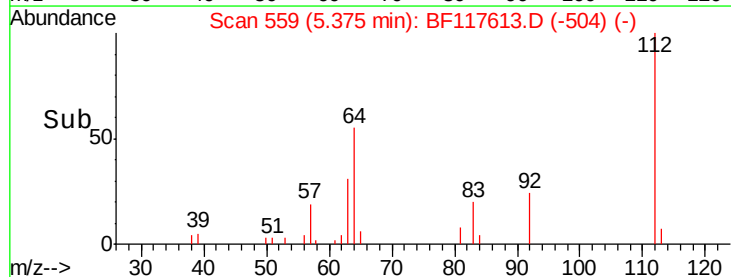
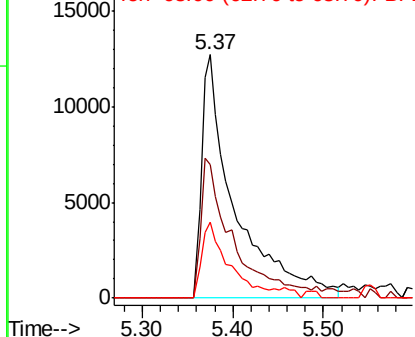
#5

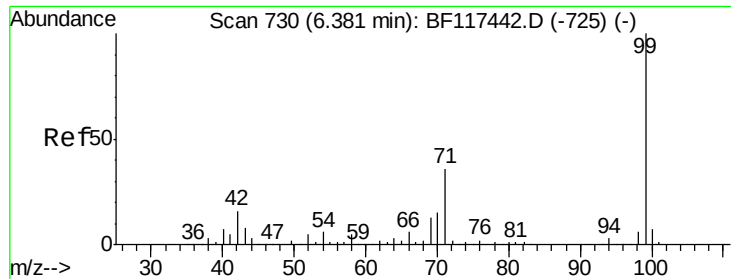
2-Fluorophenol
Concen: 14.030 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion:112 Resp: 32679
Ion Ratio Lower Upper
112 100
64 54.8 44.1 66.1
63 31.0 23.4 35.2



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: 15.154 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

Instrument :

BNA_F

ClientSampleId :

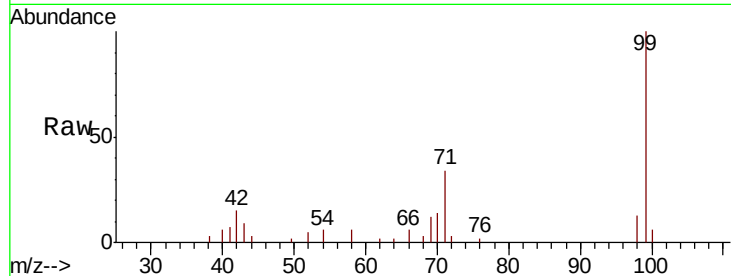
Tot Ion: 99 Resp: 47406

Ion Ratio Lower Upper

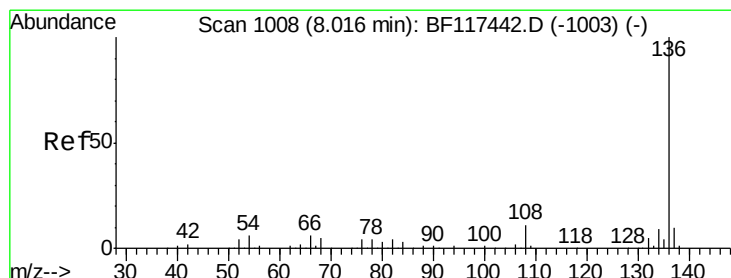
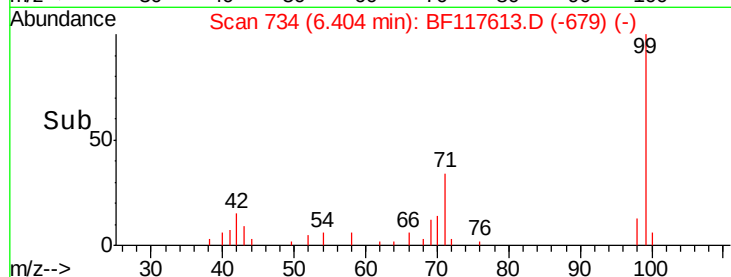
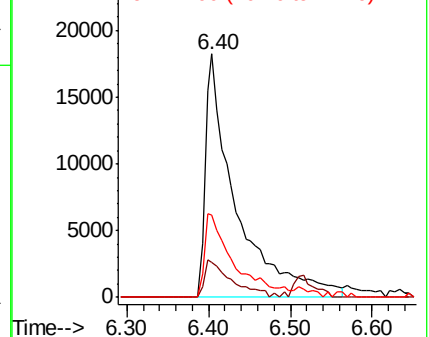
99 100

42 14.5 12.8 19.2

71 34.1 28.6 43.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

Tgt Ion: 136 Resp: 133965

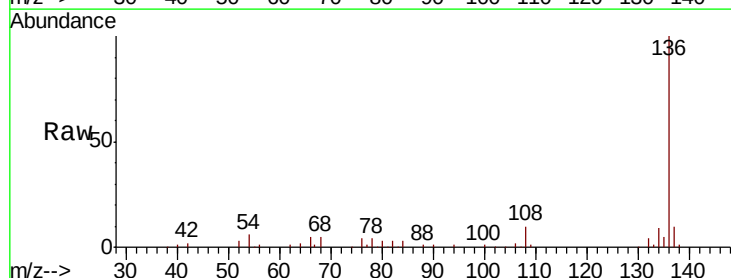
Ion Ratio Lower Upper

136 100

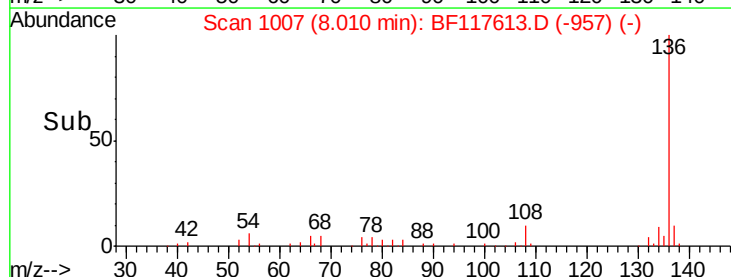
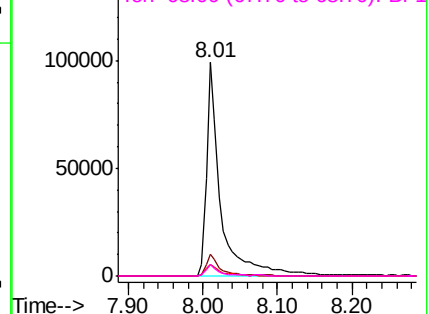
137 10.2 8.2 12.4

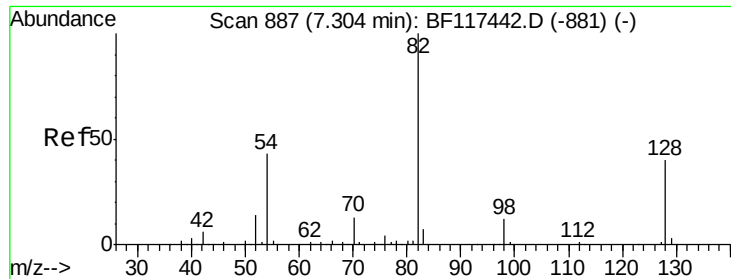
54 5.6 4.5 6.7

68 5.4 4.3 6.5



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

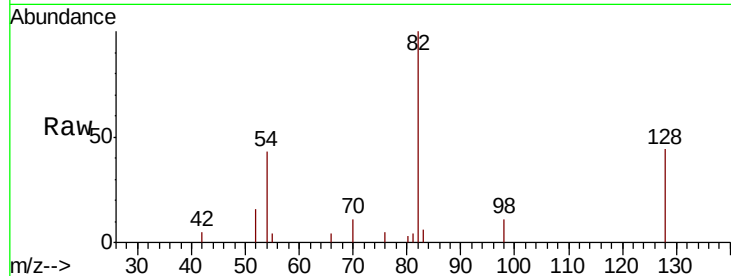




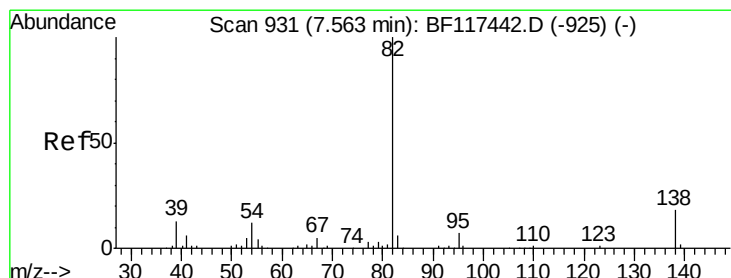
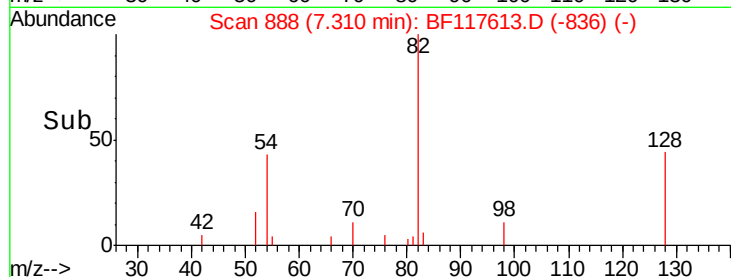
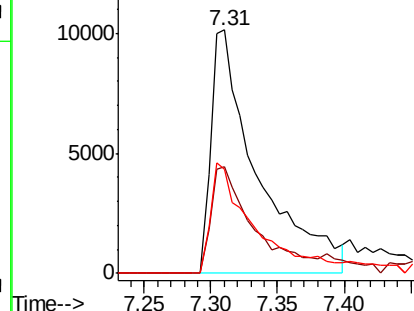
#23
Nitrobenzene-d5
Concen: 9.116 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	24737
Ion Ratio	Lower	Upper	
82	100		
128	43.7	32.2	48.2
54	42.6	34.2	51.2

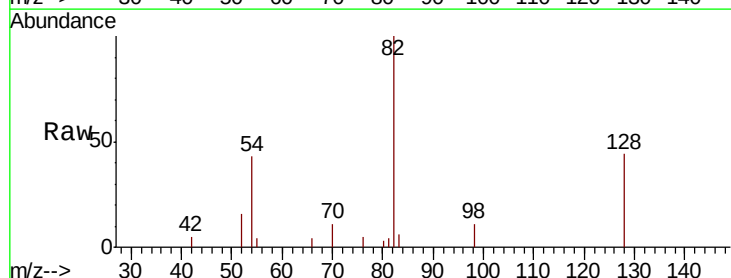


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

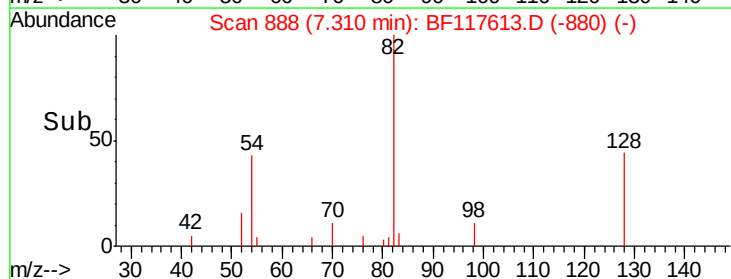
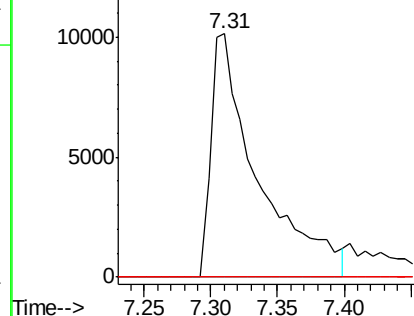


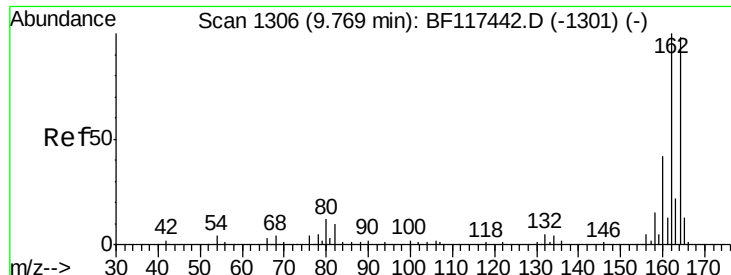
#25
Isophorone
Concen: 5.270 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.25 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion	82	Resp	24737
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#



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

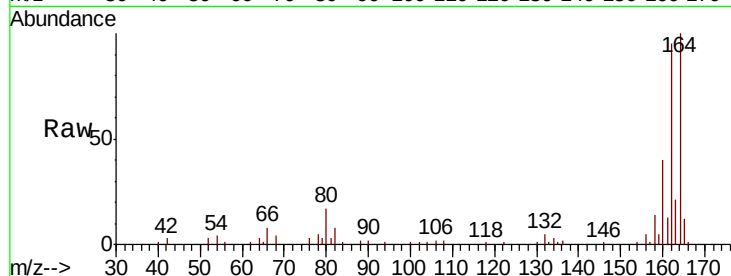




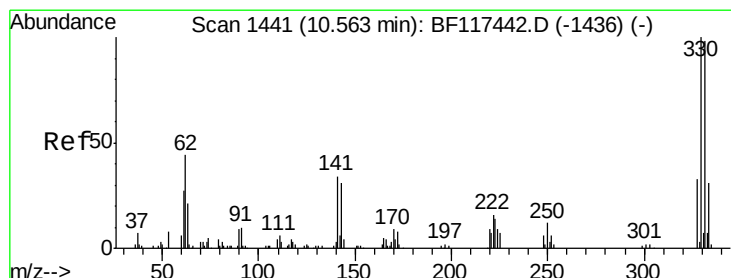
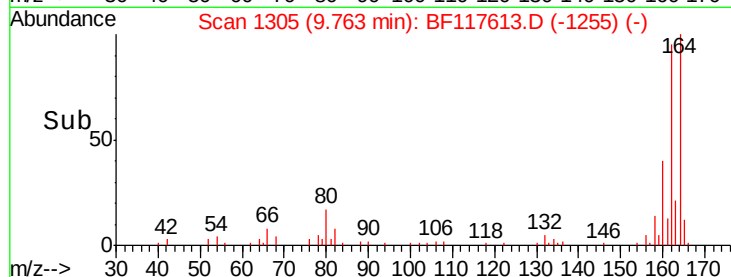
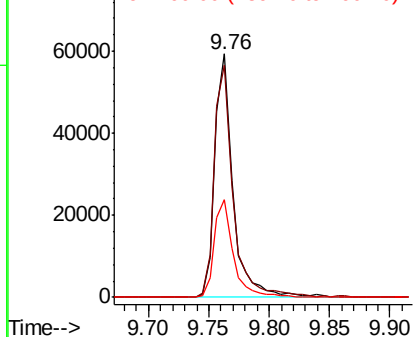
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 61391
Ion Ratio Lower Upper
164 100
162 95.2 81.8 122.6
160 40.2 34.4 51.6

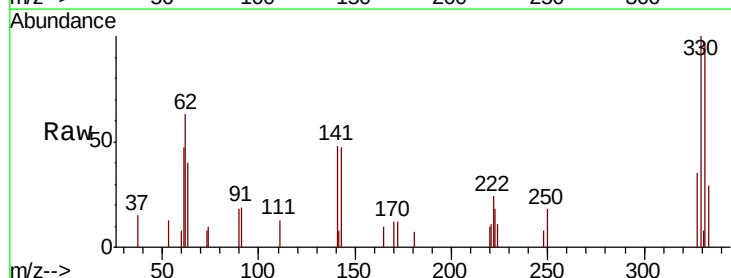


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

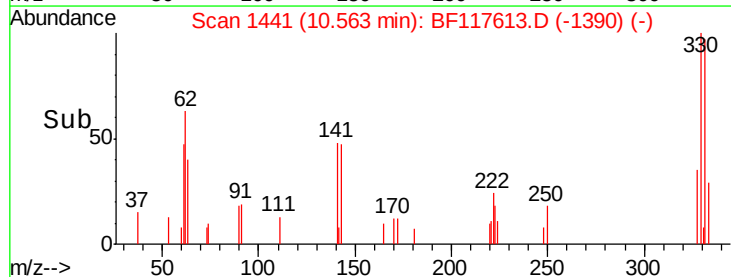
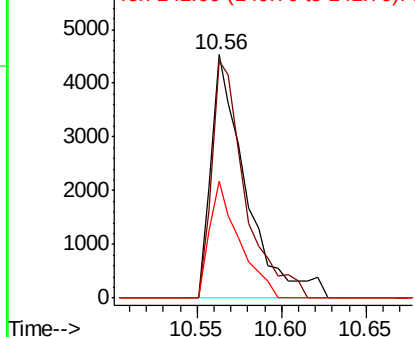


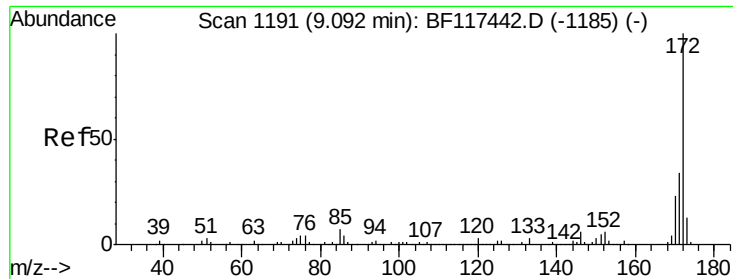
#42
2,4,6-Tribromophenol
Concen: 12.338 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion:330 Resp: 6554
Ion Ratio Lower Upper
330 100
332 92.6 78.5 117.7
141 40.8 37.0 55.6



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

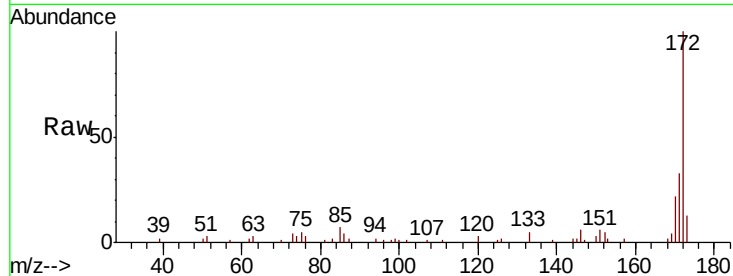




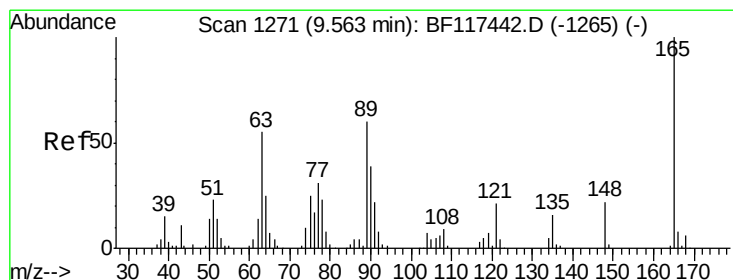
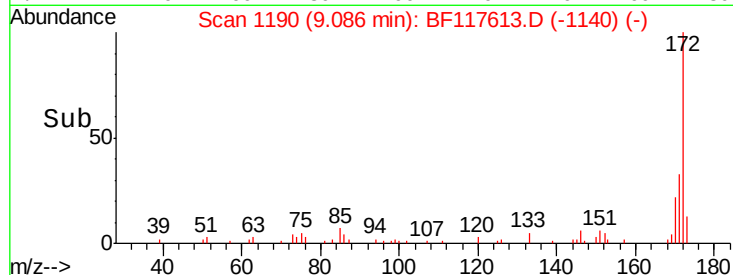
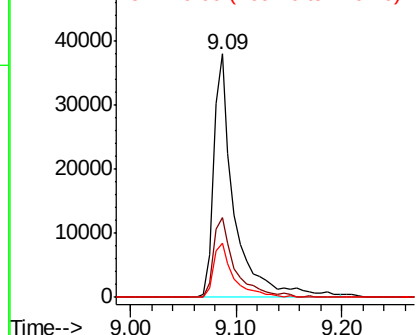
#45
2-Fluorobiphenyl
Concen: 11.848 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 51621
Ion Ratio Lower Upper
172 100
171 33.0 27.5 41.3
170 22.0 18.6 27.8

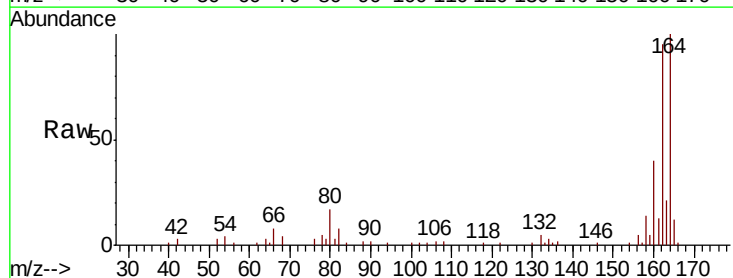


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

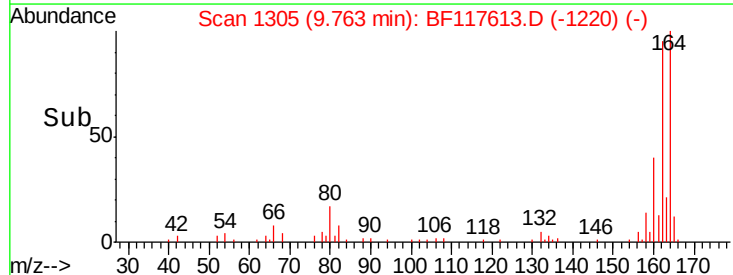
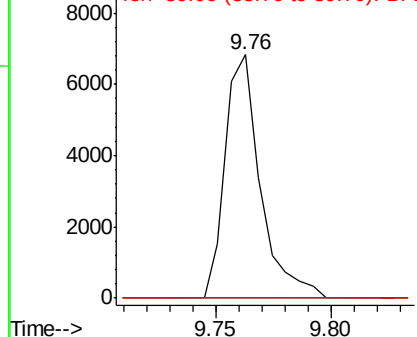


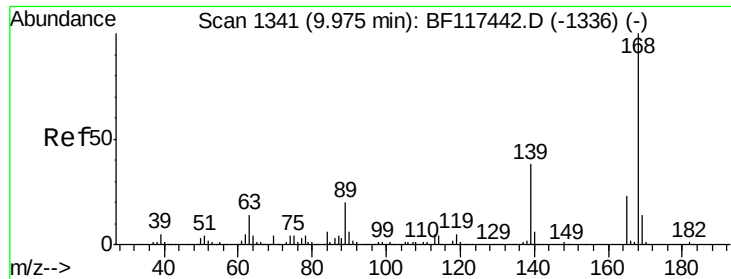
#51
2,6-Dinitrotoluene
Concen: 7.948 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion:165 Resp: 7259
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 47.6 71.4#



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: 5.978 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 7259

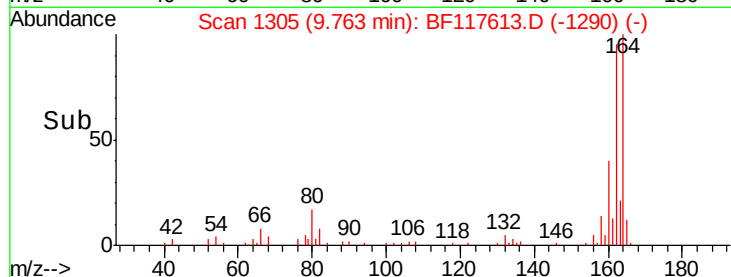
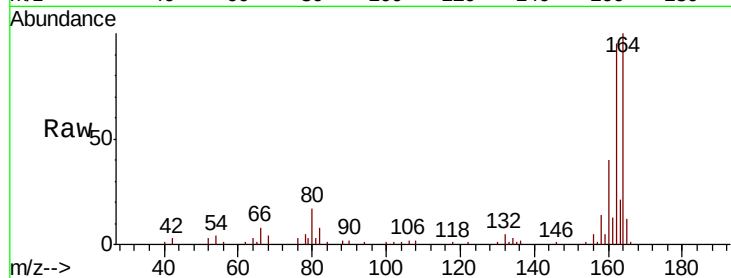
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

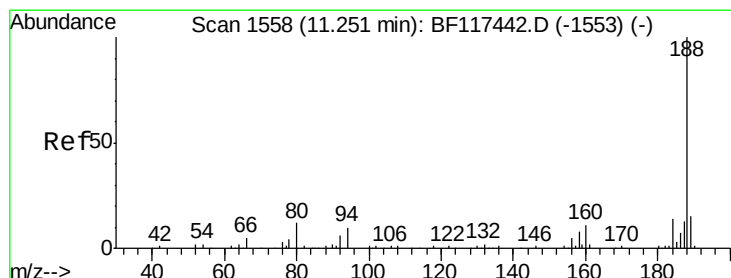
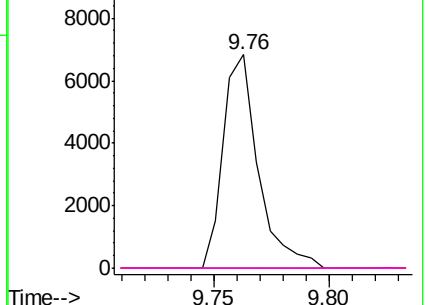


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

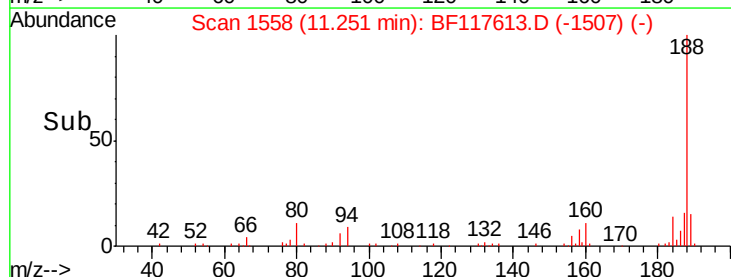
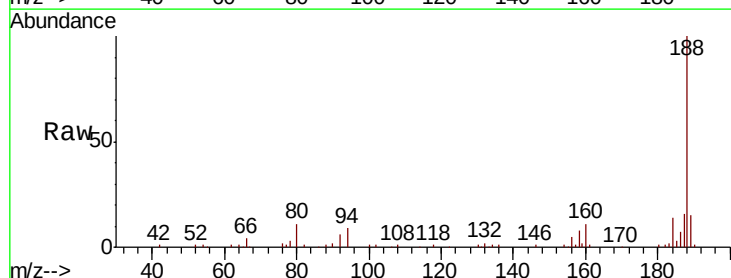
Tgt Ion:188 Resp: 93611

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

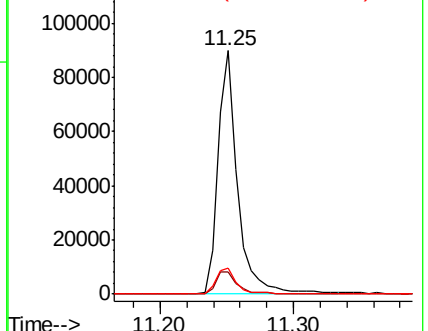
80 10.9 9.5 14.3

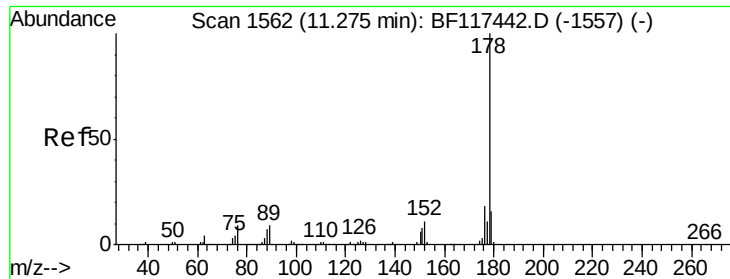


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

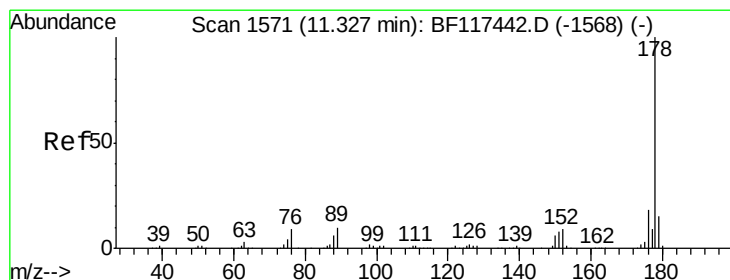
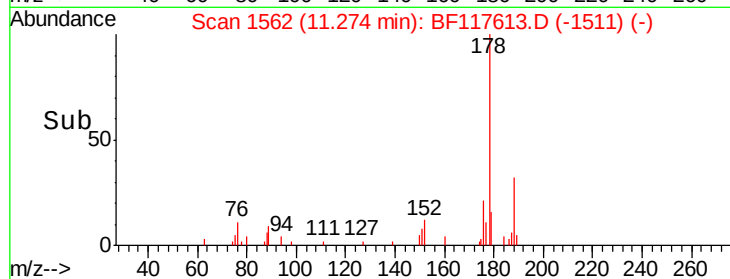
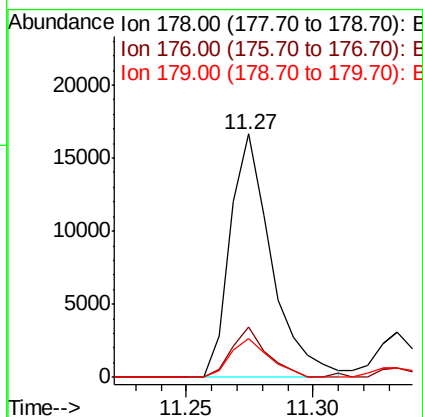
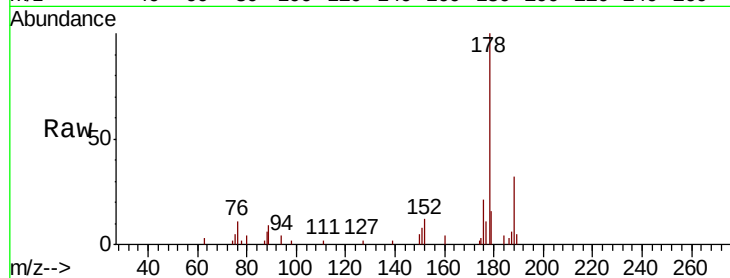




#71
Phenanthrene
Concen: 3.470 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

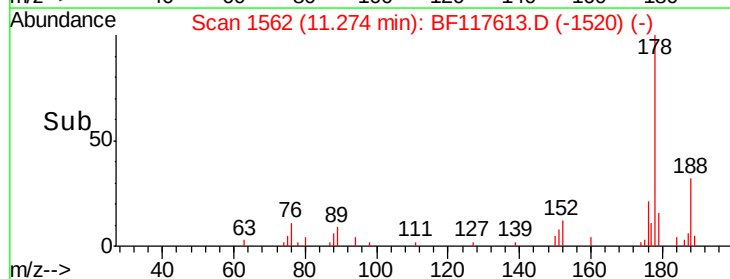
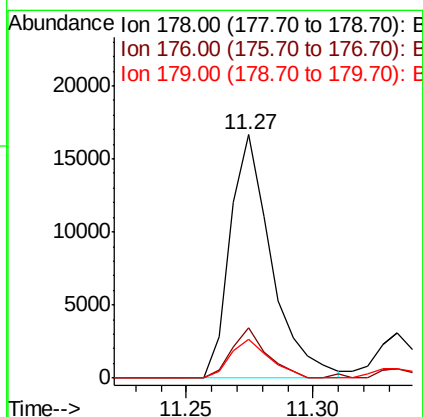
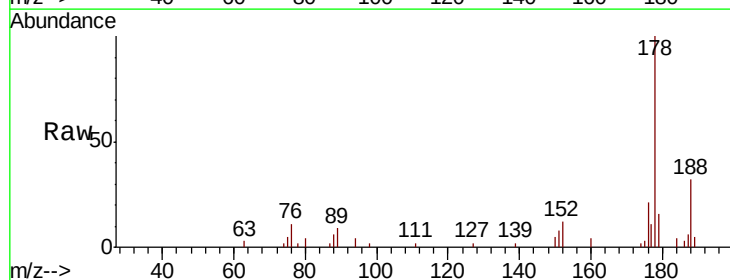
Instrument :
BNA_F
ClientSampleId :

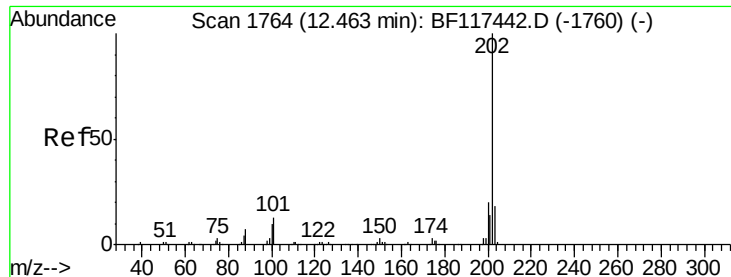
Tot Ion:178 Resp: 18861
Ion Ratio Lower Upper
178 100
176 20.6 14.6 22.0
179 16.2 12.6 19.0



#72
Anthracene
Concen: 3.382 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion:178 Resp: 18861
Ion Ratio Lower Upper
178 100
176 20.6 14.7 22.1
179 16.2 12.2 18.2





#75

Fluoranthene

Concen: 5.617 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

Instrument :

BNA_F

ClientSampleId :

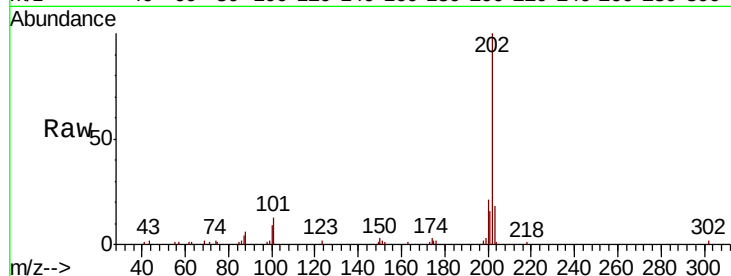
Tot Ion:202 Resp: 30564

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.7

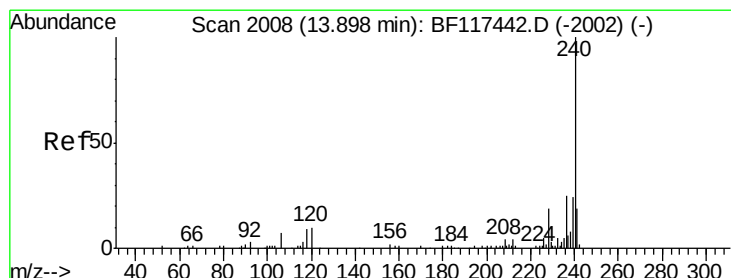
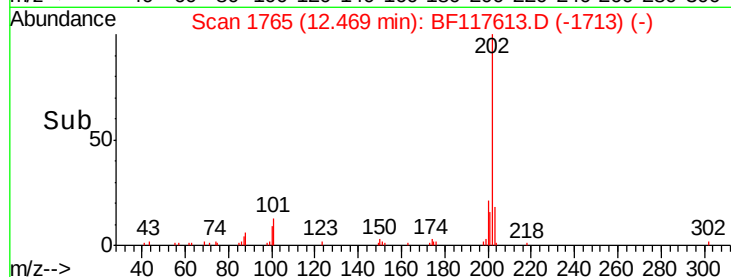
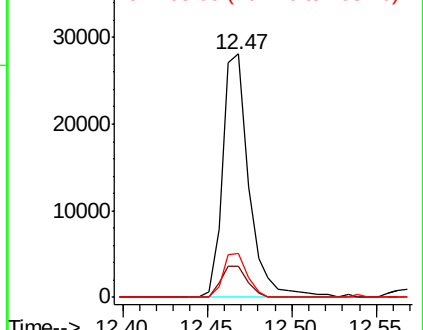
203 17.8 0.0 37.6



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: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

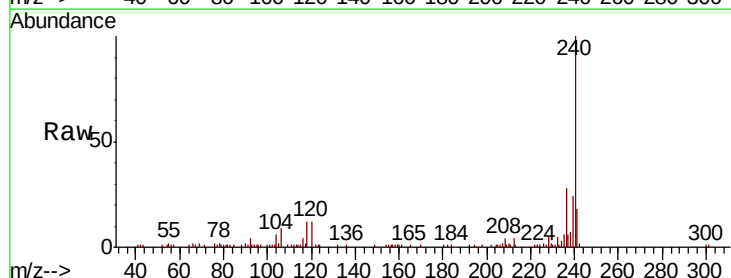
Tgt Ion:240 Resp: 64332

Ion Ratio Lower Upper

240 100

120 11.7 8.4 12.6

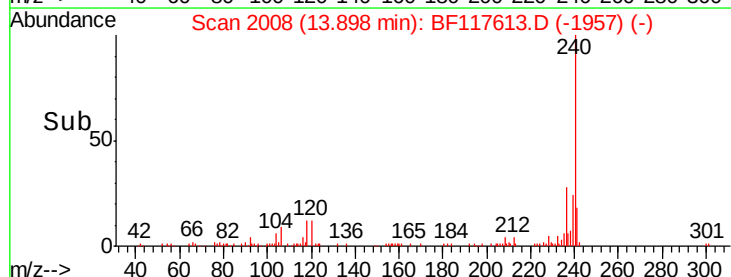
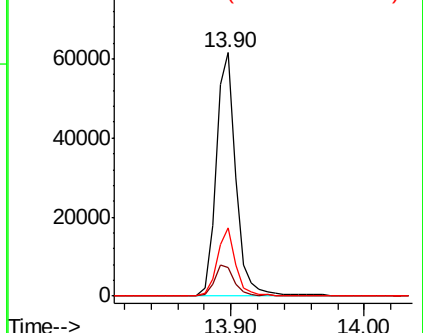
236 28.0 20.0 30.0

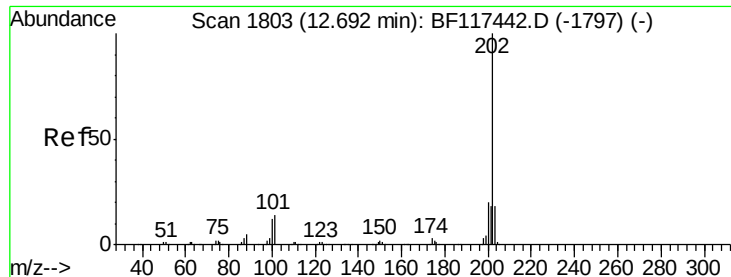


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

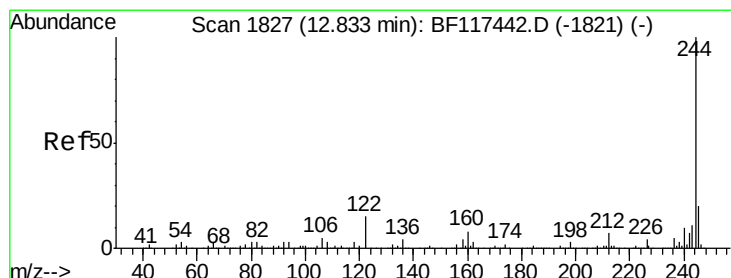
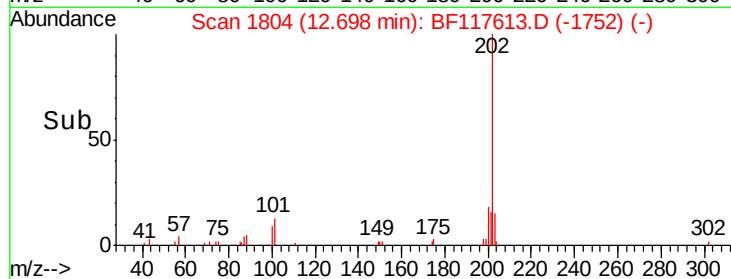
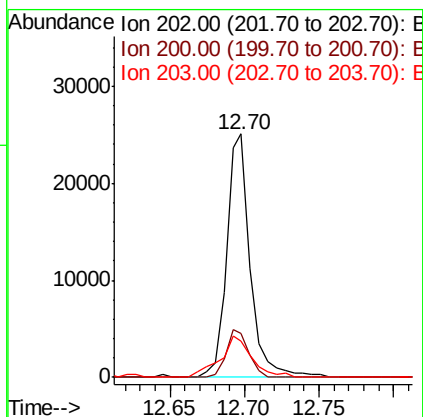
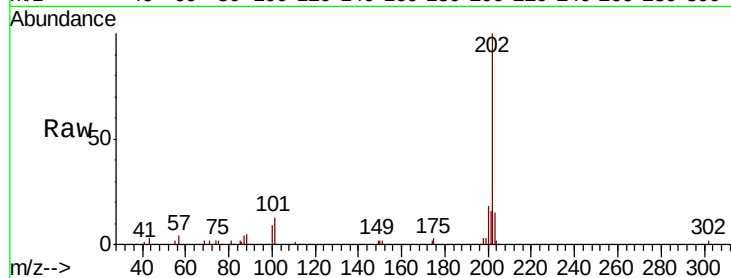




#78
Pvrene
Concen: 5.056 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

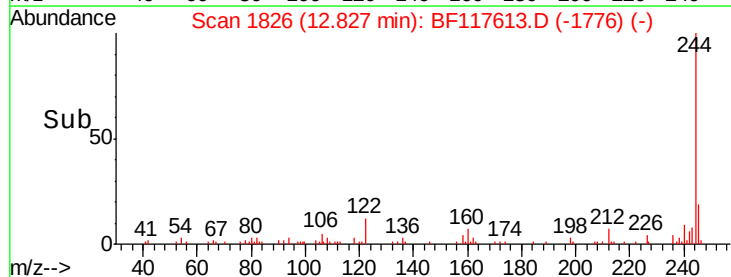
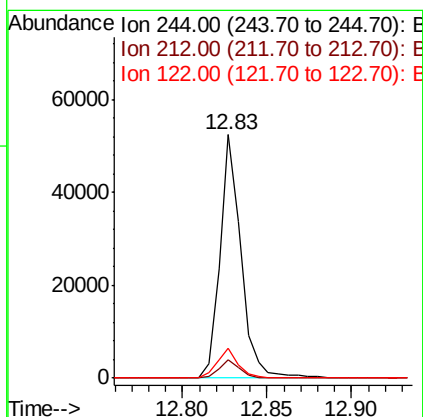
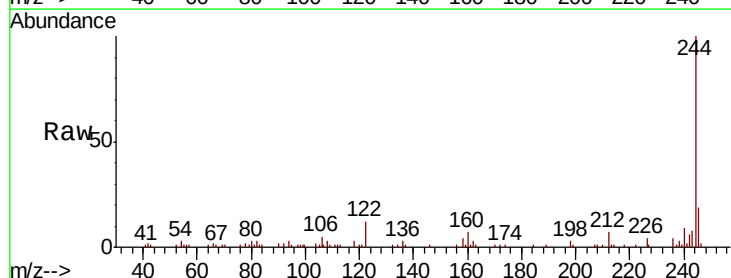
Instrument :
BNA_F
ClientSampleId :

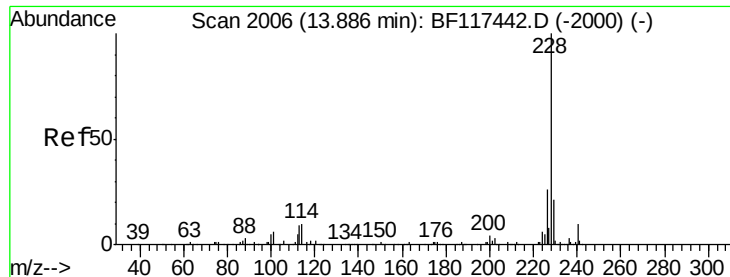
Tot Ion:202 Resp: 27936
Ion Ratio Lower Upper
202 100
200 18.2 16.2 24.2
203 15.1 14.0 21.0



#79
Terphenyl-d14
Concen: 11.611 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion:244 Resp: 45795
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 12.2 11.8 17.8





#81

Benzo(a)anthracene

Concen: 2.485 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117613.D

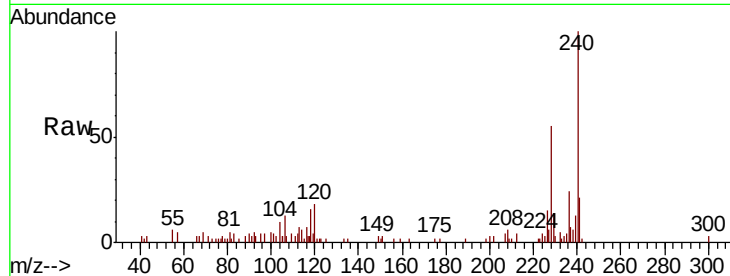
Acq: 30 Oct 2019 2:09

Instrument :

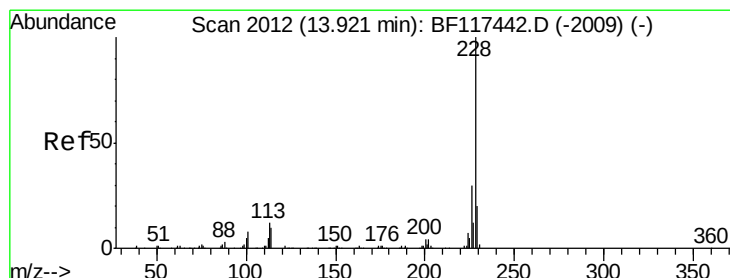
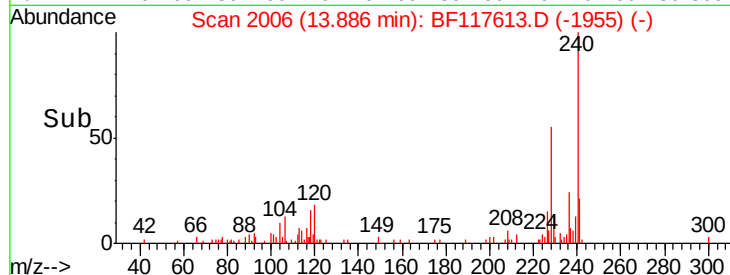
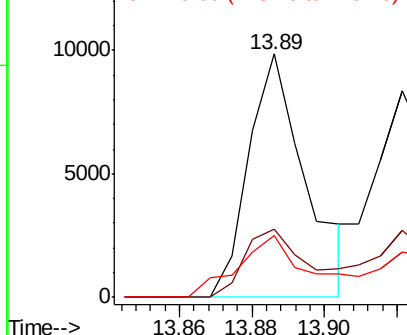
BNA_F

ClientSampled :

Tot Ion:228	Resp:	10784
Ion Ratio	Lower	Upper
228	100	
226	28.0	21.0 31.4
229	25.6	16.4 24.6#



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: 2.364 ng

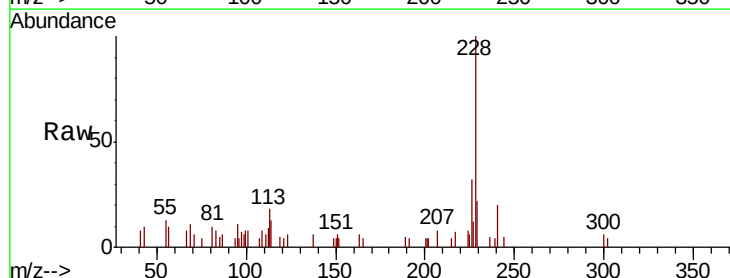
RT: 13.92 min Scan# 2012

Delta R.T. -0.00 min

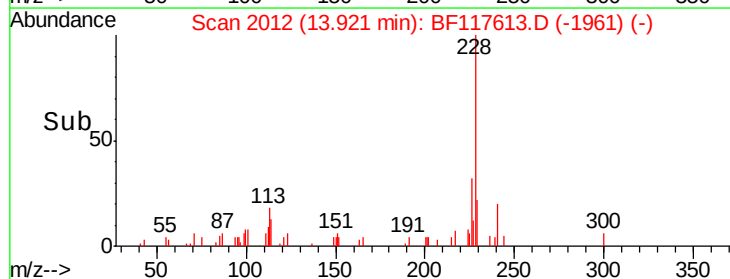
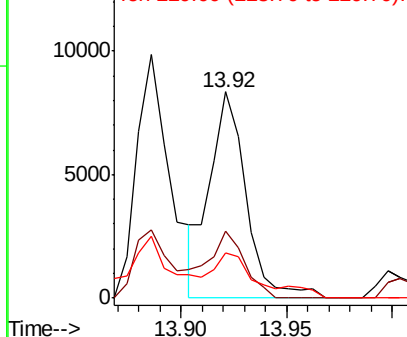
Lab File: BF117613.D

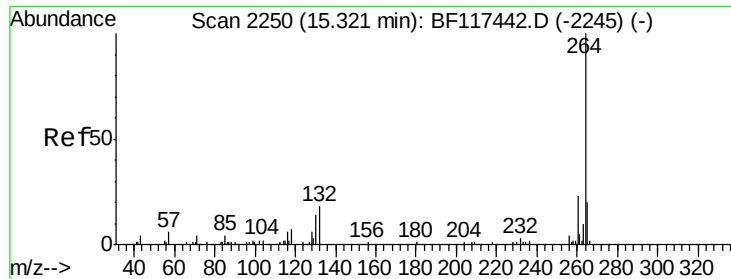
Acq: 30 Oct 2019 2:09

Tgt Ion:228	Resp:	10053
Ion Ratio	Lower	Upper
228	100	
226	32.3	23.9 35.9
229	22.2	15.8 23.6



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

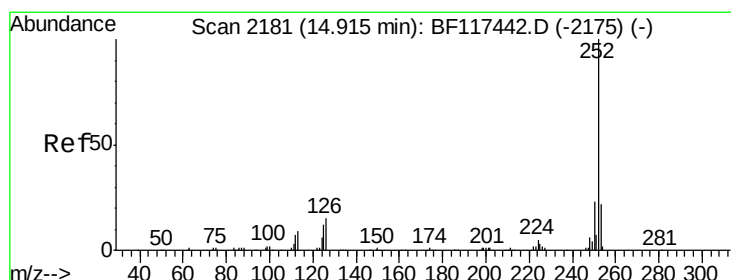
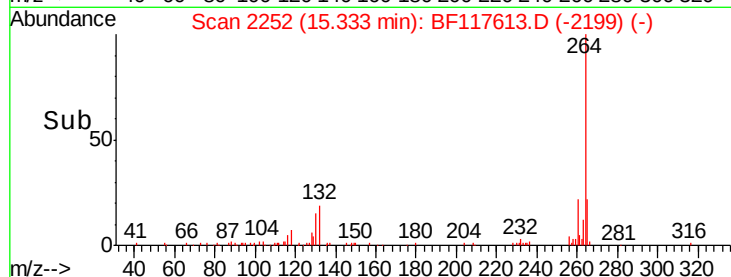
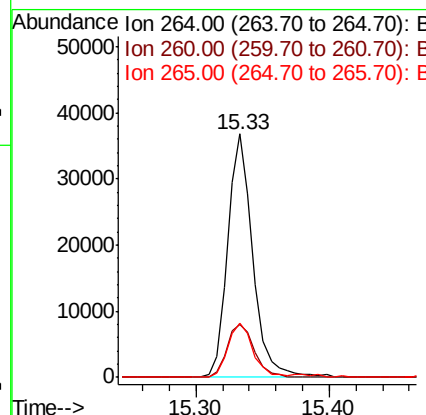
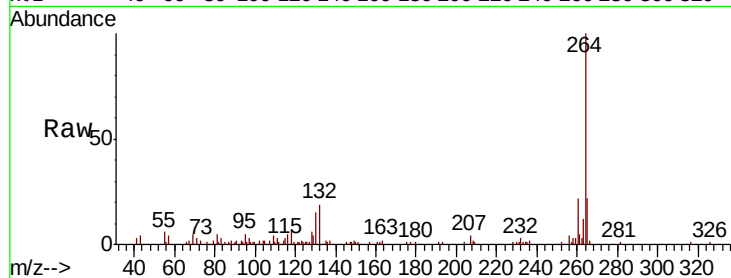




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

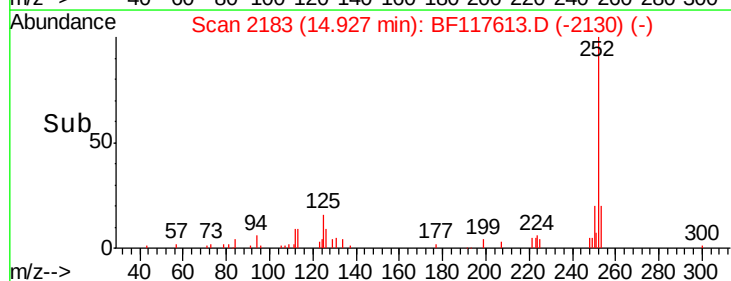
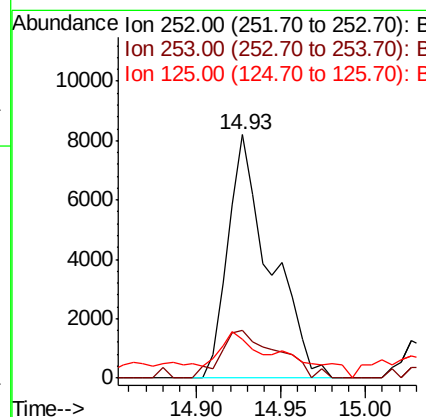
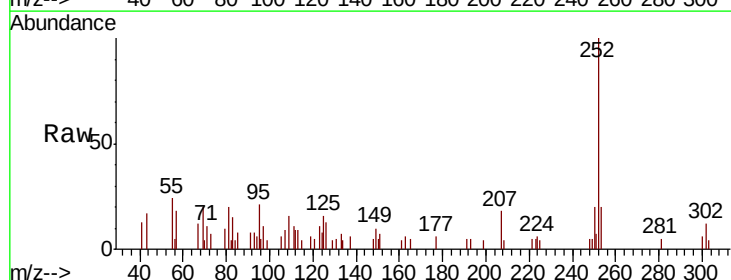
Instrument :
BNA_F
ClientSampleId :

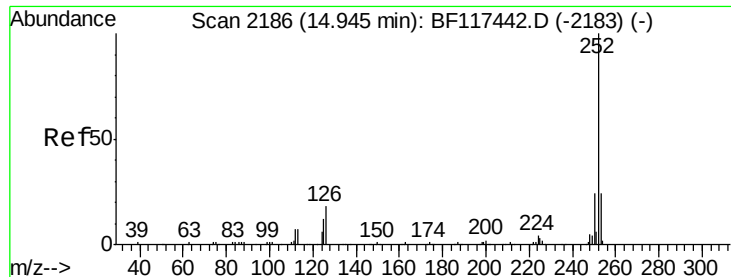
Tot Ion:264 Resp: 48646
Ion Ratio Lower Upper
264 100
260 21.8 18.4 27.6
265 22.0 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 4.946 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion:252 Resp: 14209
Ion Ratio Lower Upper
252 100
253 19.6 17.8 26.6
125 15.9 9.9 14.9#

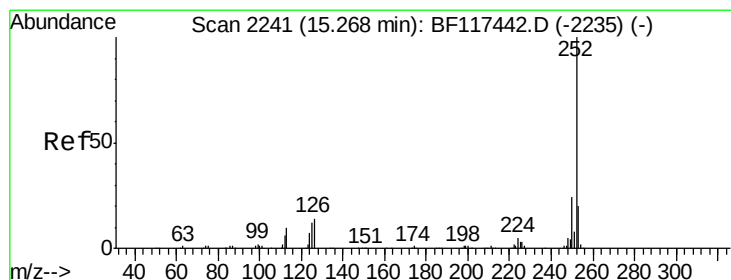
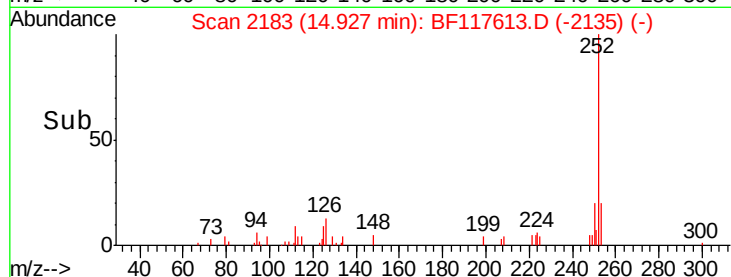
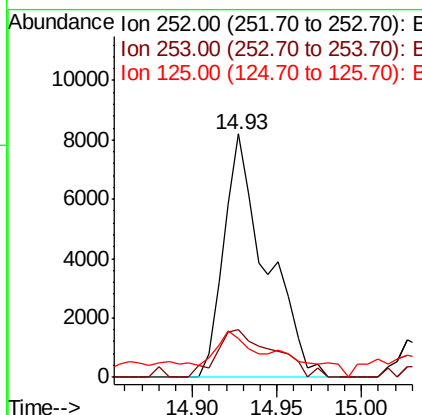
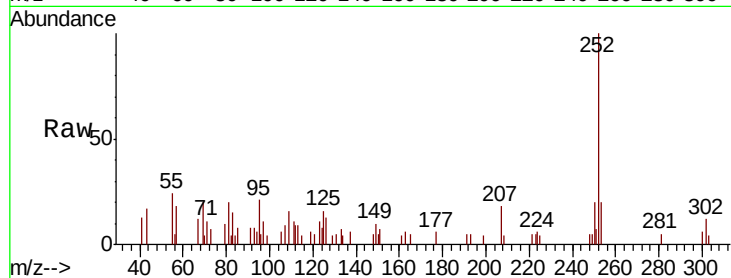




#89
Benzo(k)fluoranthene
Concen: 4.826 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 14209
Ion Ratio Lower Upper
252 100
253 19.6 18.0 27.0
125 15.9 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 2.440 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion:252 Resp: 6372
Ion Ratio Lower Upper
252 100
253 25.2 16.3 24.5#
125 22.0 9.2 13.8#

