

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
 Data File : BF118295.D
 Acq On : 19 Dec 2019 22:40
 Operator : JU
 Sample : K6325-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

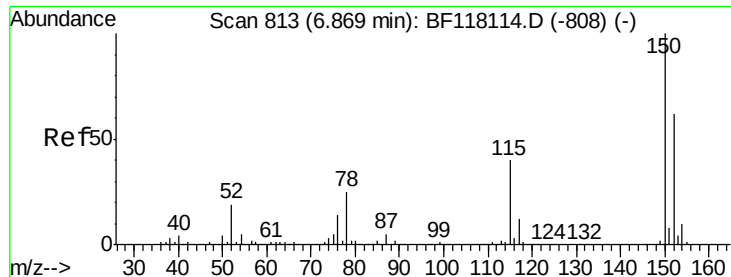
Quant Time: Dec 20 02:15:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	105674	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	400828	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	211551	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	399145	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	260533	20.00	ng	-0.02
87) Perylene-d12	15.54	264	258814	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	656066	108.74	ng	0.00
7) Phenol-d6	6.49	99	831840	113.99	ng	0.00
23) Nitrobenzene-d5	7.42	82	498668	69.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	275425	107.17	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	956803	68.82	ng	-0.02
79) Terphenyl-d14	12.99	244	1079334	71.24	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	1363	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	66154	14.918	ng	# 76
25) Isophorone	7.42	82	498707	41.290	ng	# 62
50) Dimethylphthalate	9.62	163	56757	3.632	ng	99
51) 2,6-Dinitrotoluene	9.90	165	26842	7.900	ng	# 28
57) 2,4-Dinitrotoluene	9.90	165	26842	5.919	ng	# 26
67) 4-Bromophenyl-phenylether	10.70	248	16623	3.648	ng	# 1
75) Fluoranthene	12.62	202	96511	4.449	ng	99
77) Benzidine	12.99	184	14288	2.083	ng	# 93
78) Pyrene	12.85	202	65750	3.202	ng	99

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

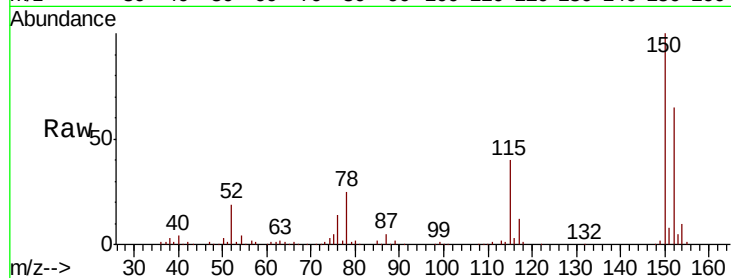


#1

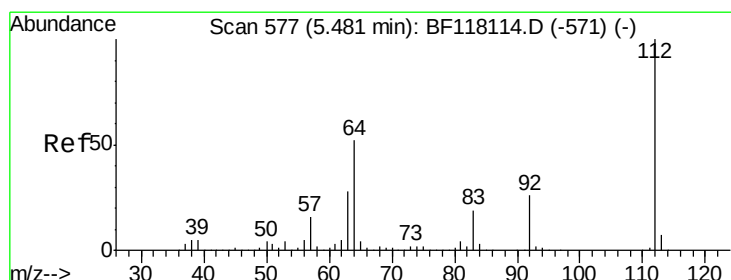
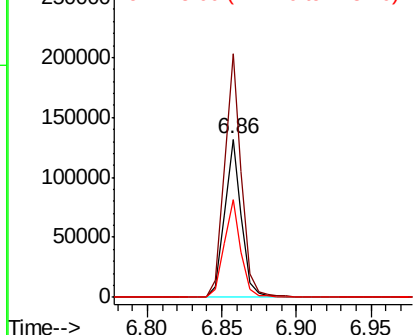
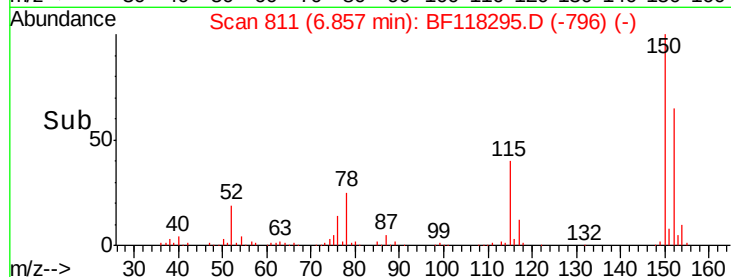
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 105674
Ion Ratio Lower Upper
152 100
150 153.8 128.3 192.5
115 61.3 51.1 76.7



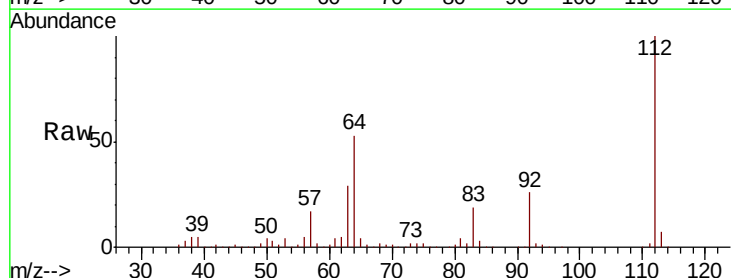
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



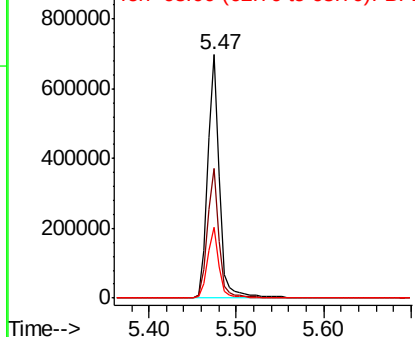
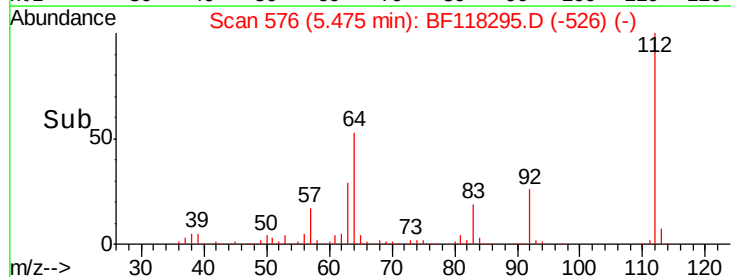
#5

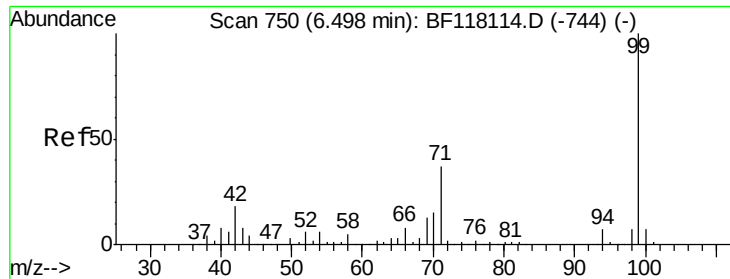
2-Fluorophenol
Concen: 108.738 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

Tgt Ion:112 Resp: 656066
Ion Ratio Lower Upper
112 100
64 53.1 41.3 61.9
63 29.2 22.4 33.6



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: 113.987 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118295.D

Acq: 19 Dec 2019 22:40

Instrument :

BNA_F

ClientSampled :

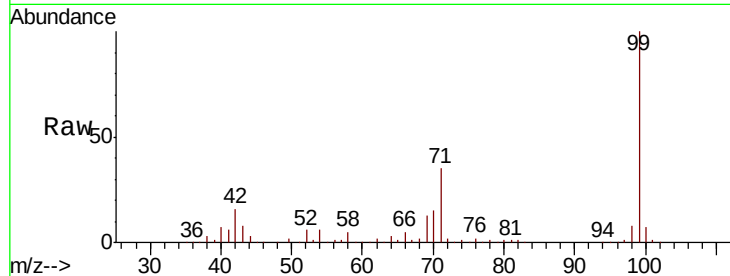
Tot Ion: 99 Resp: 831840

Ion Ratio Lower Upper

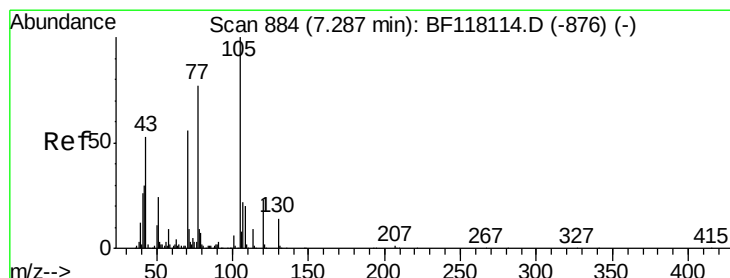
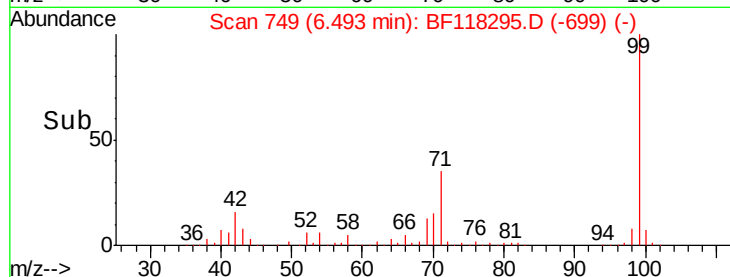
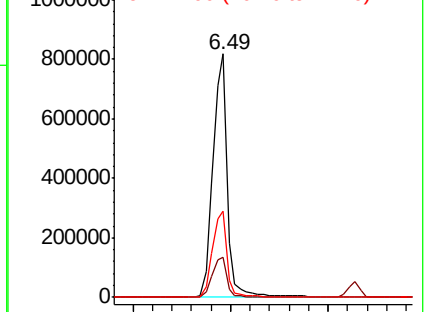
99 100

42 16.5 14.1 21.1

71 35.3 29.7 44.5



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.918 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118295.D

Acq: 19 Dec 2019 22:40

Tgt Ion: 70 Resp: 66154

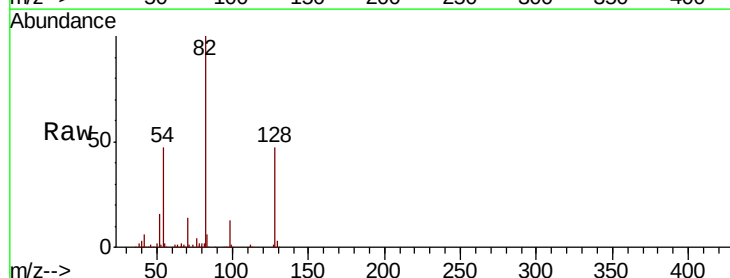
Ion Ratio Lower Upper

70 100

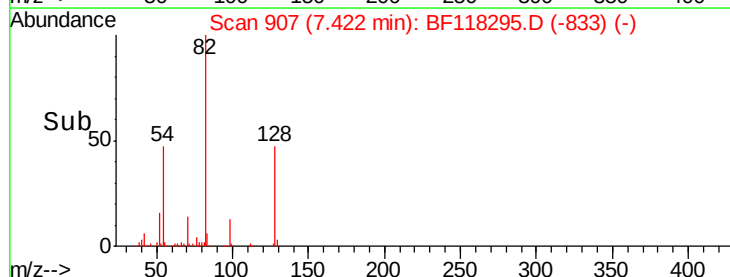
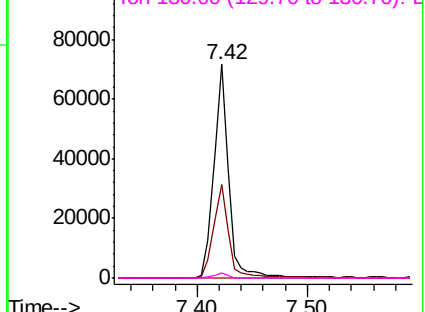
42 43.8 43.2 64.8

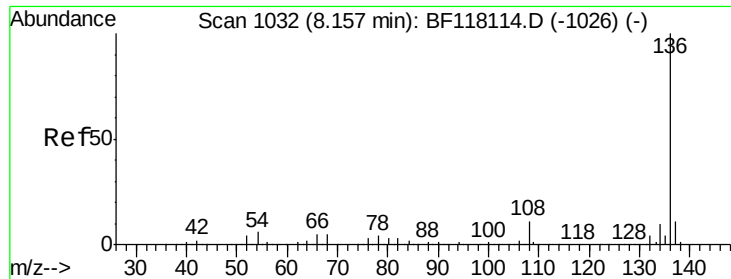
101 0.0 8.1 12.1#

130 2.4 19.8 29.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF118295.D

Acq: 19 Dec 2019 22:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 400828

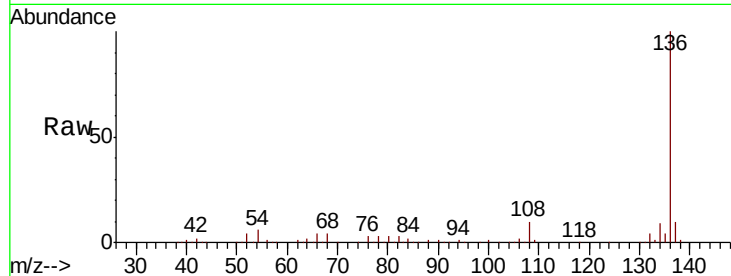
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.6

54 6.0 5.0 7.6

68 4.5 3.8 5.8

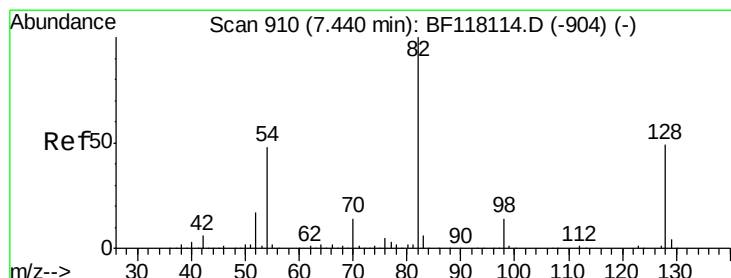
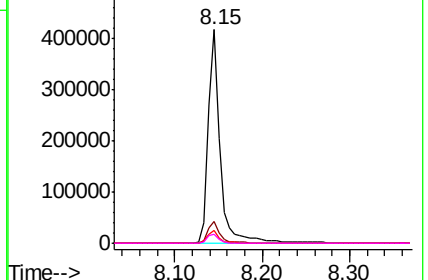
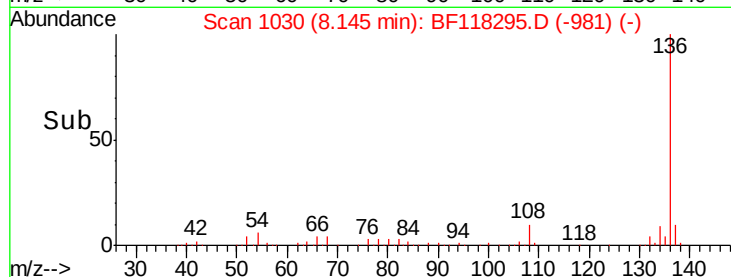


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.990 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF118295.D

Acq: 19 Dec 2019 22:40

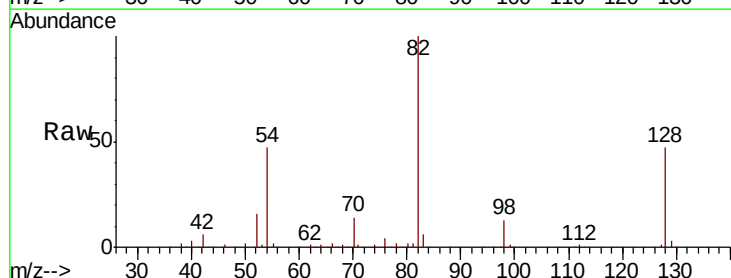
Tgt Ion: 82 Resp: 498668

Ion Ratio Lower Upper

82 100

128 47.4 39.1 58.7

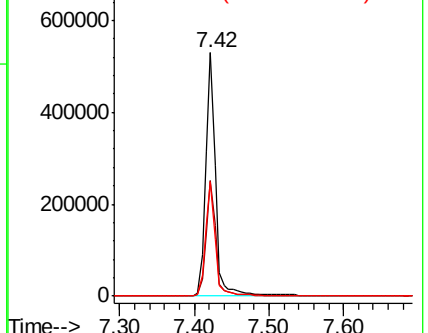
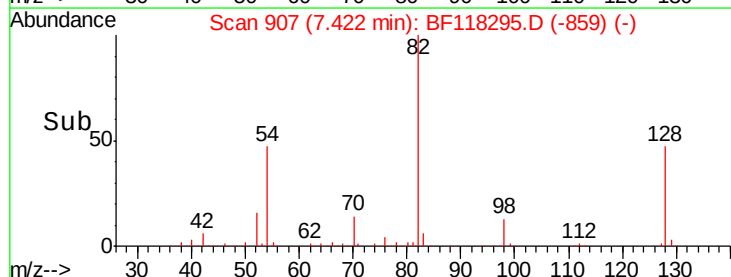
54 47.1 38.2 57.2

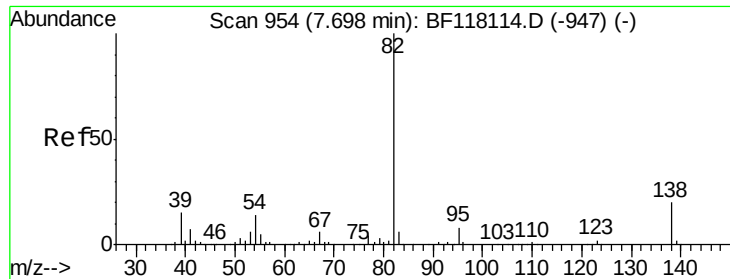


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

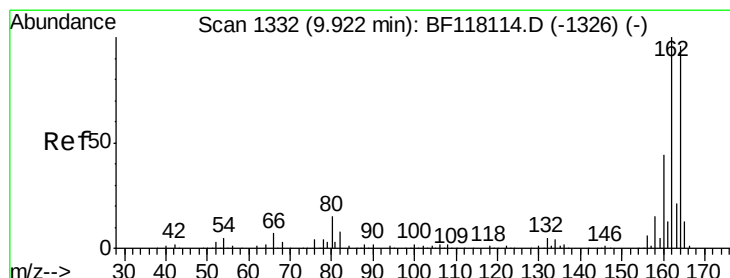
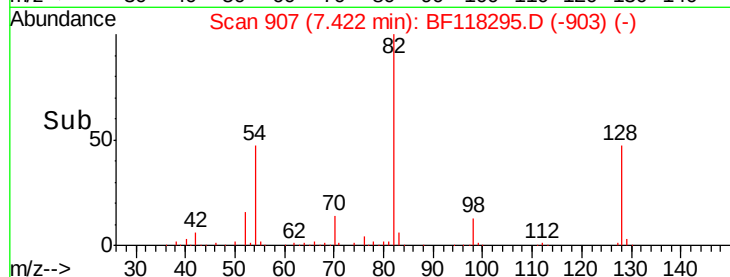
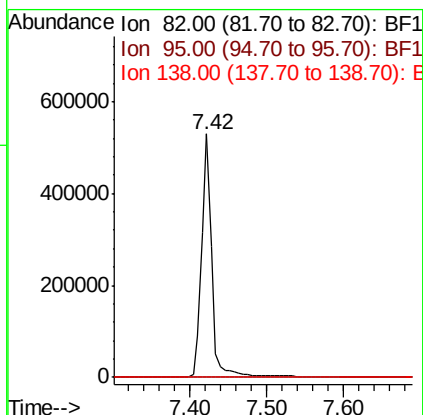
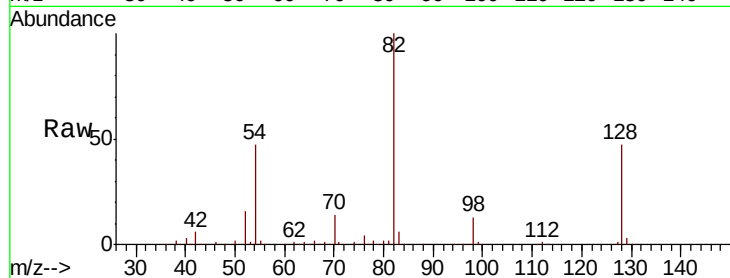




#25
Isophorone
Concen: 41.290 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.28 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

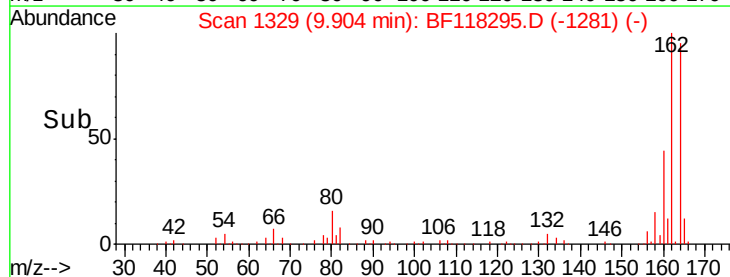
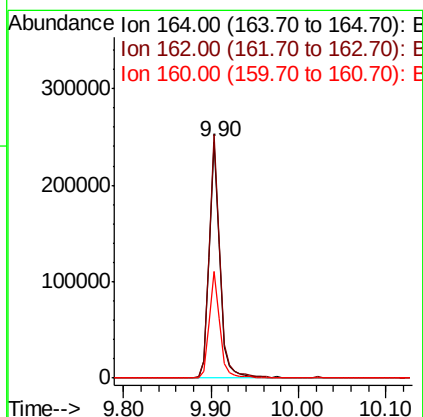
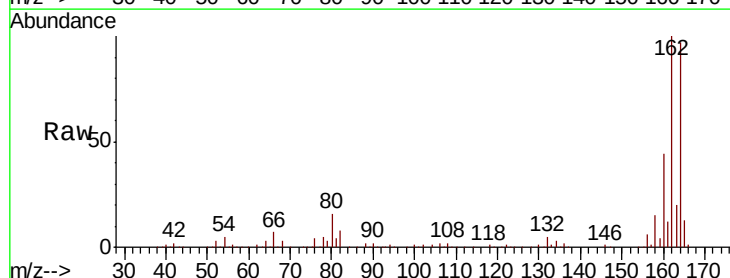
Instrument :
BNA_F
ClientSampleId :

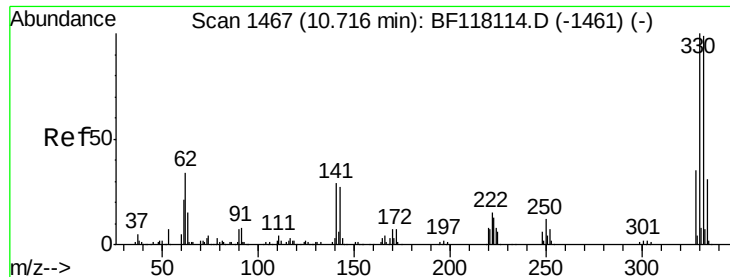
Tot Ion: 82 Resp: 498707
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 16.3 24.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

Tgt Ion:164 Resp: 211551
Ion Ratio Lower Upper
164 100
162 103.1 83.4 125.0
160 45.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 107.171 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF118295.D

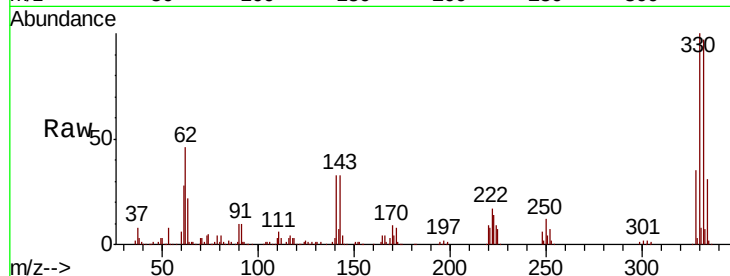
Acq: 19 Dec 2019 22:40

Instrument :

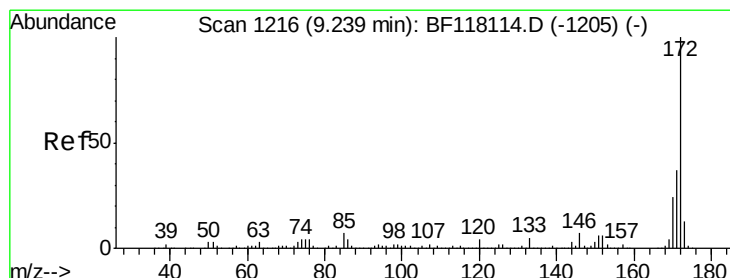
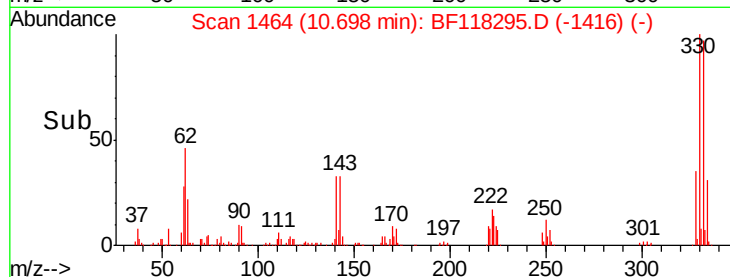
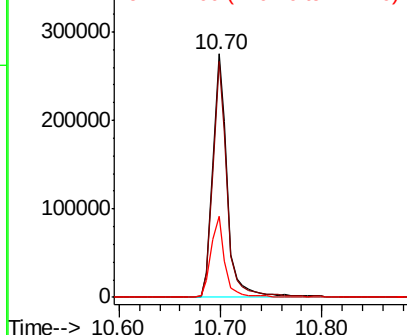
BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	275425
Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.1	117.1
141	32.4	26.9	40.3



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: 68.821 ng

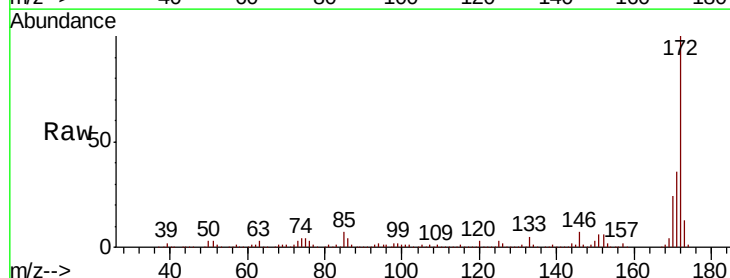
RT: 9.22 min Scan# 1213

Delta R.T. -0.02 min

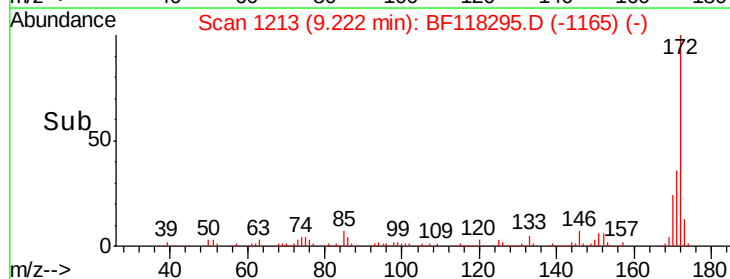
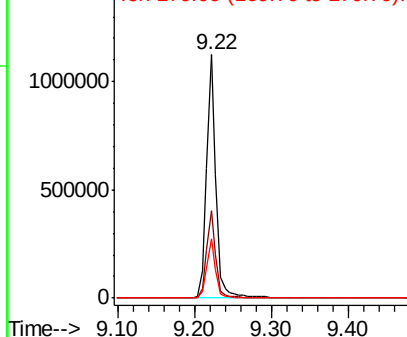
Lab File: BF118295.D

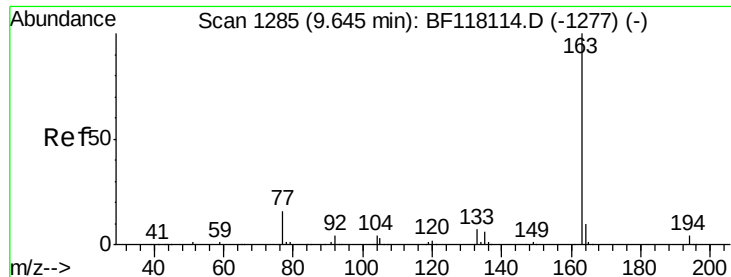
Acq: 19 Dec 2019 22:40

Tgt Ion:	172	Resp:	956803
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	24.2	19.4	29.2



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: 3.632 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.03 min

Lab File: BF118295.D

Acq: 19 Dec 2019 22:40

Instrument :

BNA_F

ClientSampleId :

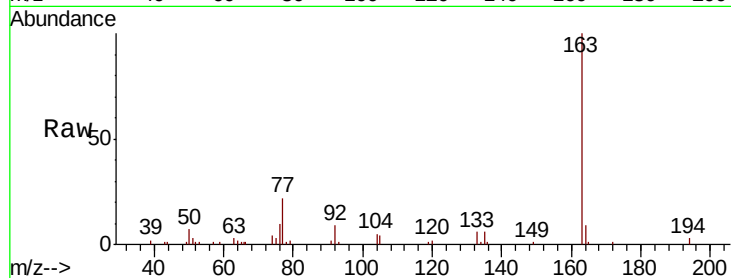
Tot Ion:163 Resp: 56757

Ion Ratio Lower Upper

163 100

194 3.3 3.1 4.7

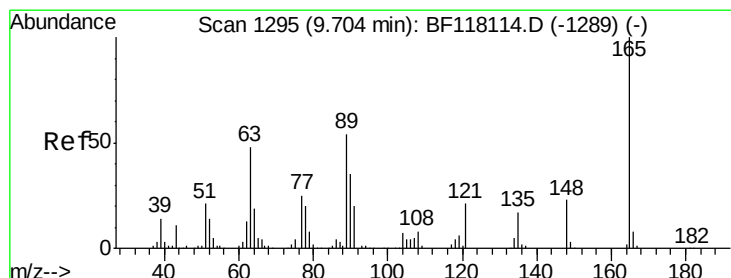
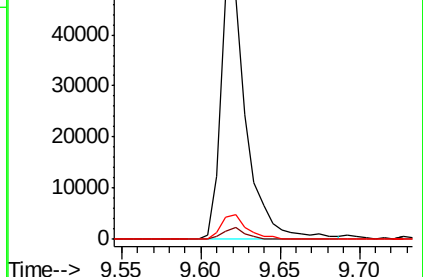
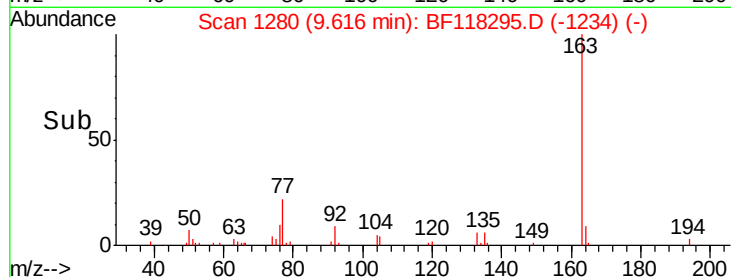
164 9.3 7.7 11.5



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: 7.900 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.20 min

Lab File: BF118295.D

Acq: 19 Dec 2019 22:40

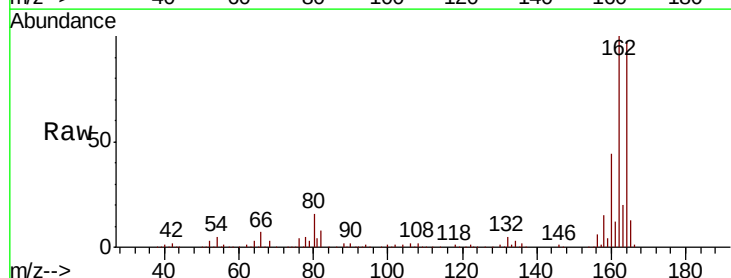
Tgt Ion:165 Resp: 26842

Ion Ratio Lower Upper

165 100

63 1.1 41.4 62.0#

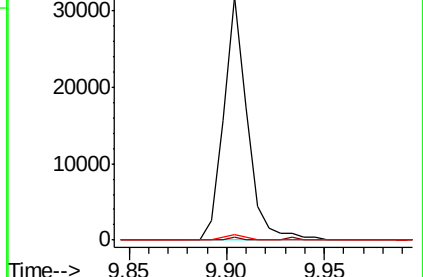
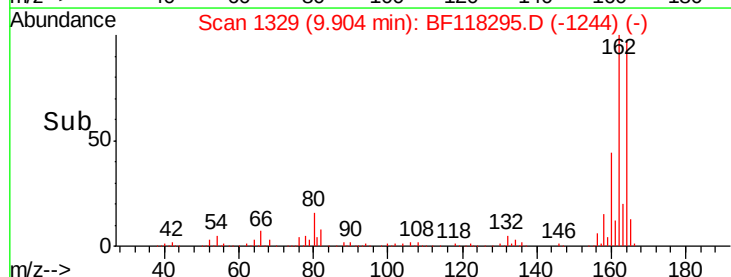
89 2.0 42.9 64.3#

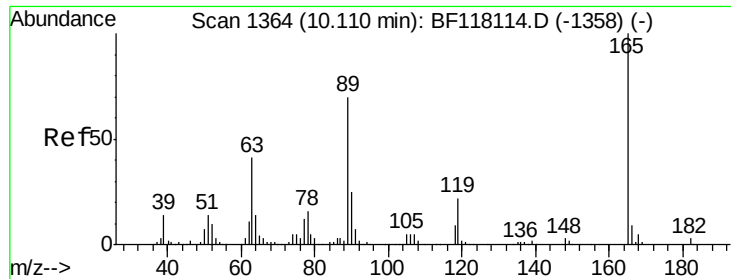


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

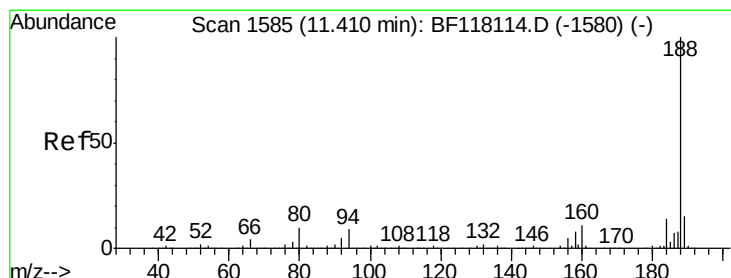
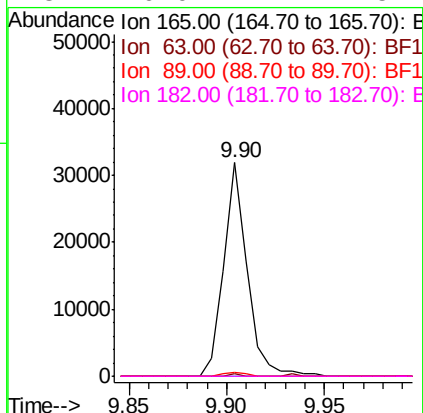
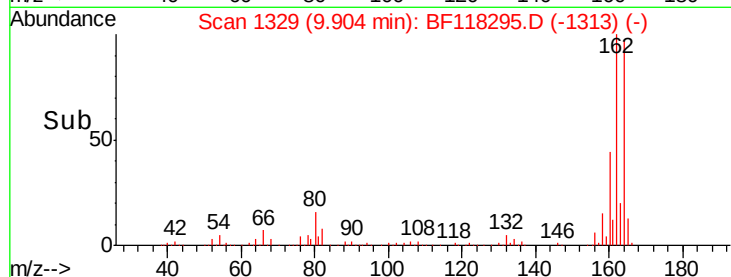
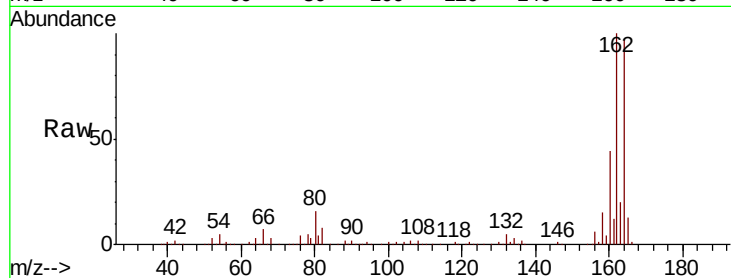




#57
 2,4-Dinitrotoluene
 Concen: 5.919 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118295.D
 Acq: 19 Dec 2019 22:40

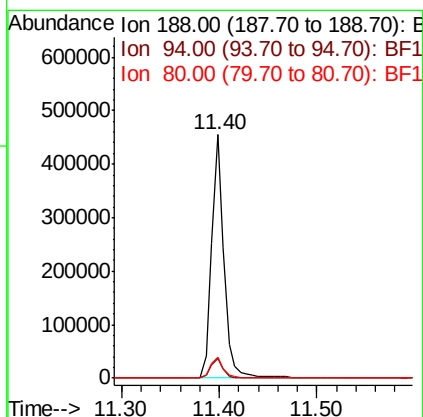
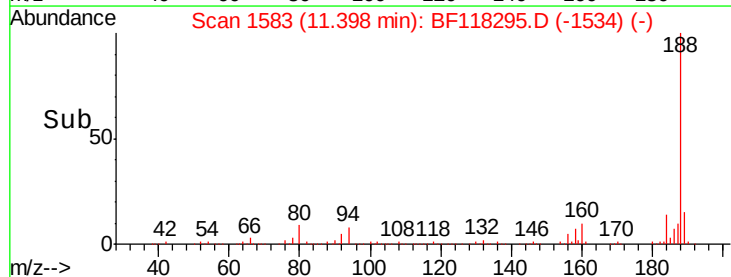
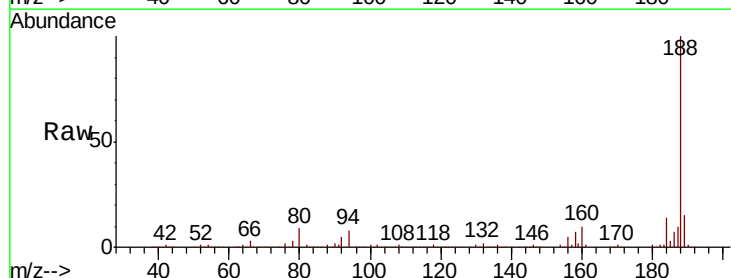
Instrument :
 BNA_F
 ClientSampled :

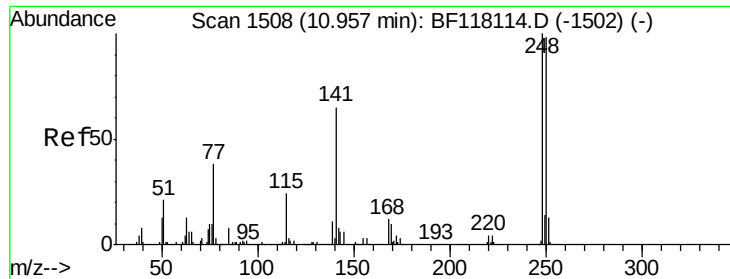
Tot Ion:	165	Resp:	26842
Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.6	49.0#
89	2.0	56.1	84.1#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118295.D
 Acq: 19 Dec 2019 22:40

Tgt Ion:	188	Resp:	399145
Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.1	10.7
80	8.6	7.9	11.9

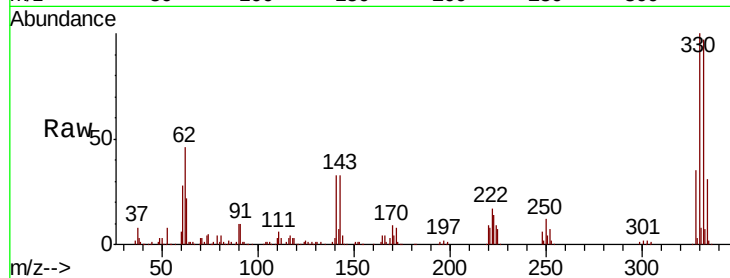




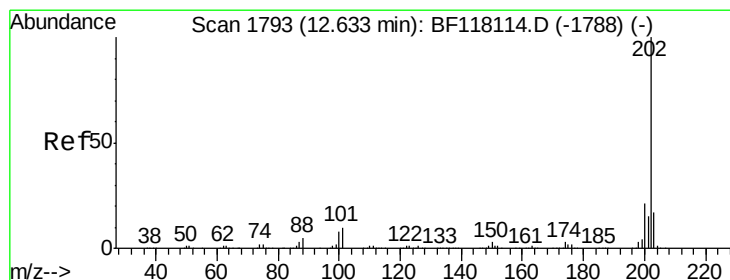
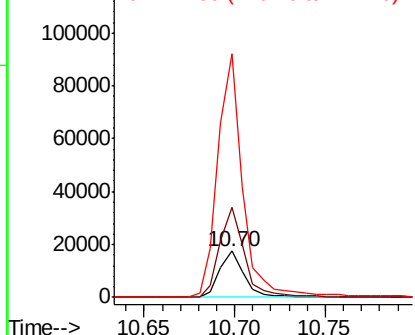
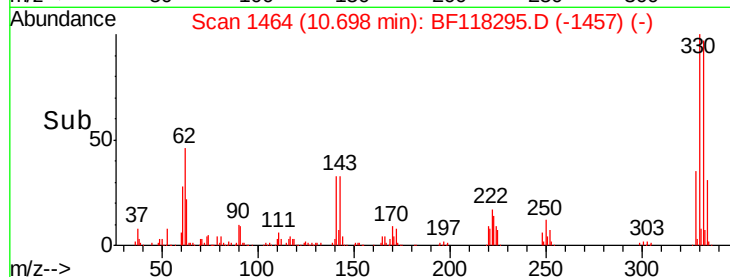
#67
4-Bromophenyl-phenylether
Concen: 3.648 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.26 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16623
Ion Ratio Lower Upper
248 100
250 195.7 78.3 117.5#
141 525.7 52.2 78.4#

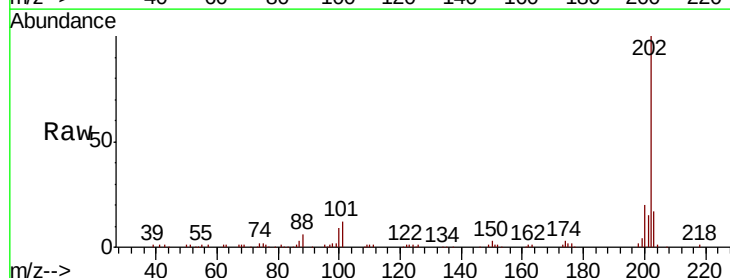


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

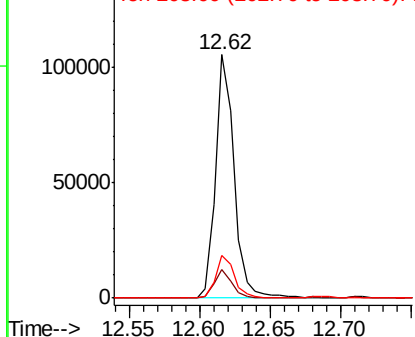
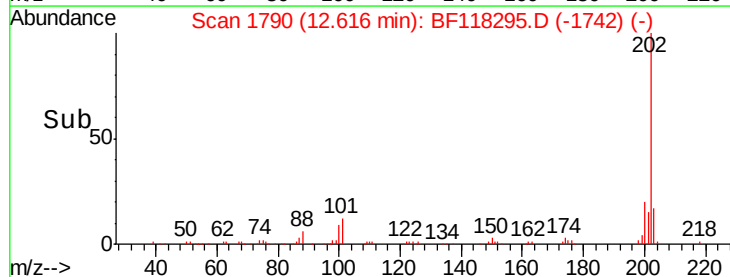


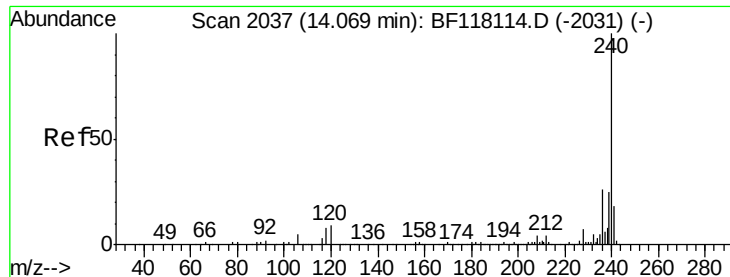
#75
Fluoranthene
Concen: 4.449 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

Tgt Ion:202 Resp: 96511
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.4
203 17.3 0.0 37.2



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

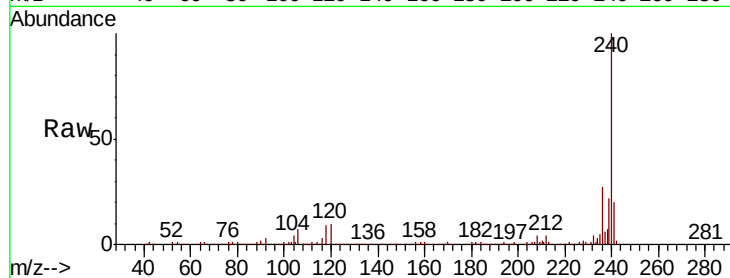




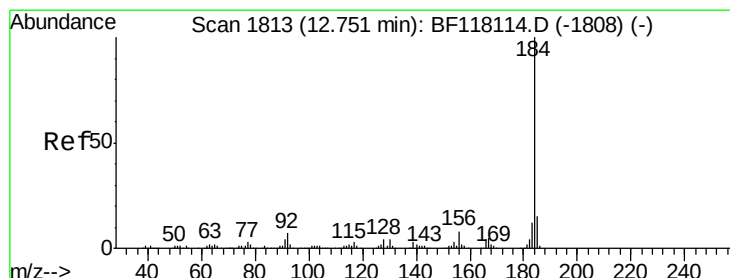
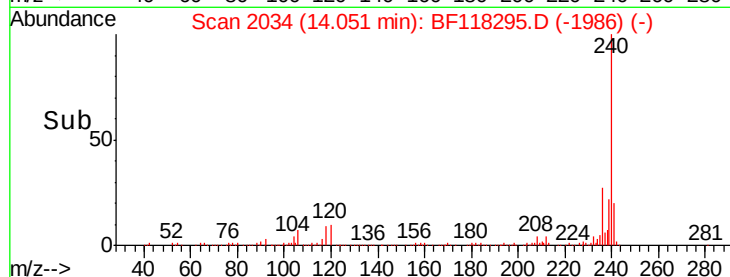
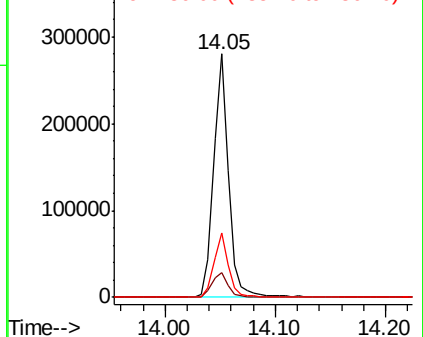
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF118295.D
 Acq: 19 Dec 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 260533
 Ion Ratio Lower Upper
 240 100
 120 9.9 7.1 10.7
 236 26.6 21.0 31.6

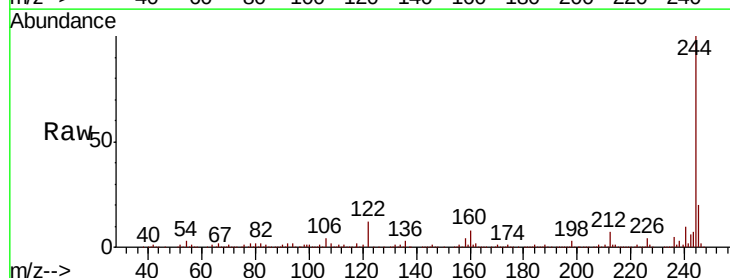


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

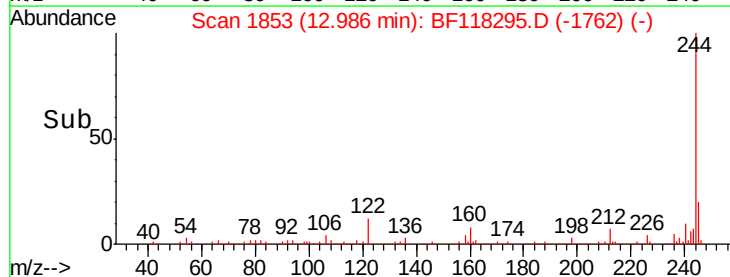
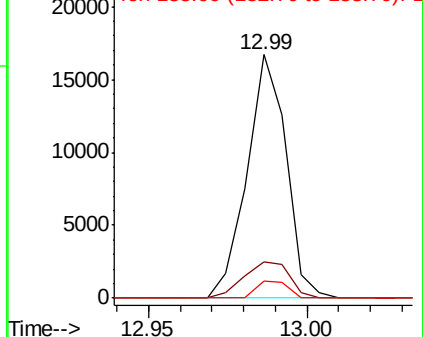


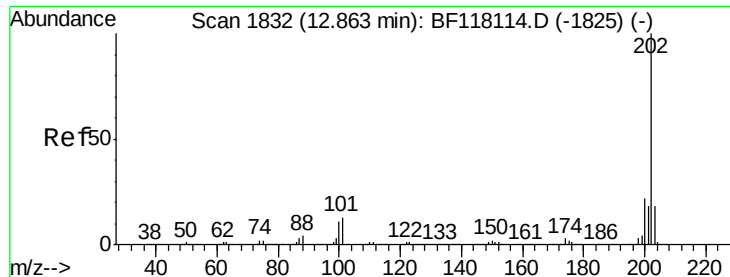
#77
 Benzidine
 Concen: 2.083 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.24 min
 Lab File: BF118295.D
 Acq: 19 Dec 2019 22:40

Tgt Ion:184 Resp: 14288
 Ion Ratio Lower Upper
 184 100
 185 14.9 12.3 18.5
 183 7.0 9.9 14.9#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E

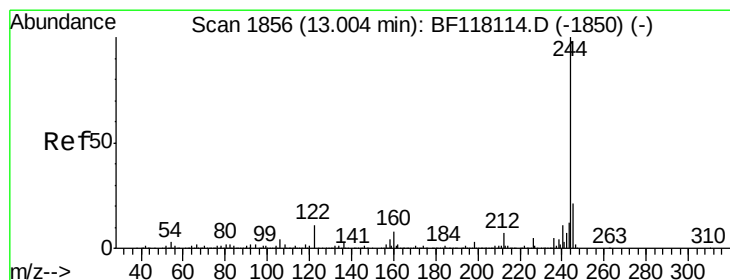
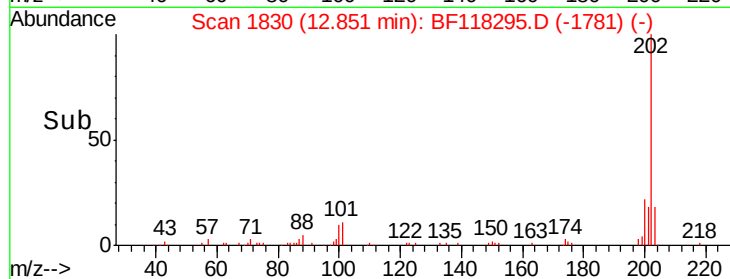
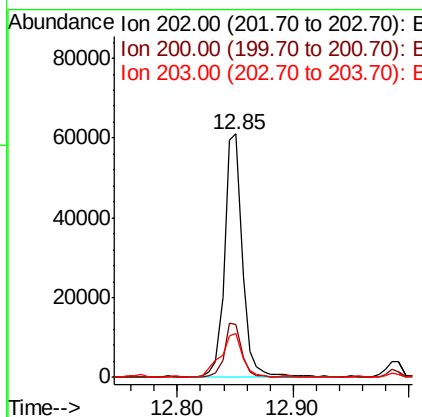
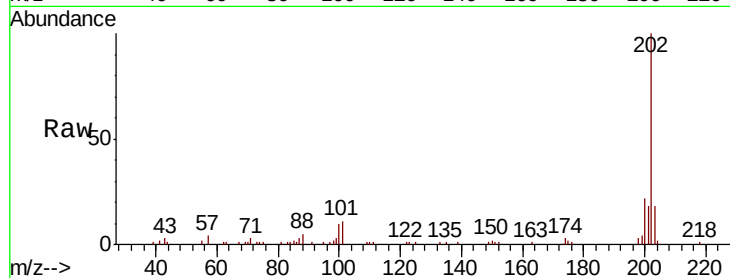




#78
Pvrene
Concen: 3.202 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

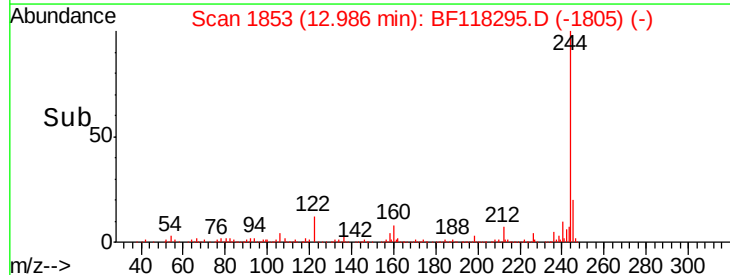
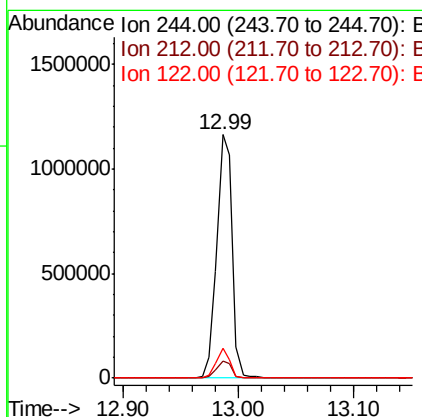
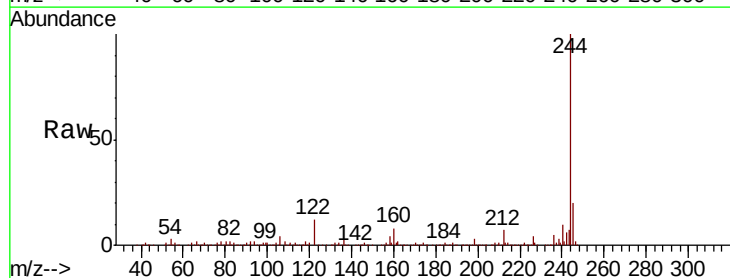
Instrument :
BNA_F
ClientSampleId :

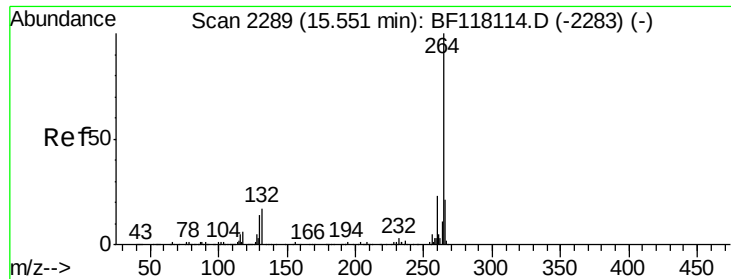
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3
203	17.8	14.6	21.8



#79
Terphenyl-d14
Concen: 71.241 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.02 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	12.0	9.0	13.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF118295.D
Acq: 19 Dec 2019 22:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	28.0
265	22.1	16.8	25.2

