

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118234.D
 Acq On : 17 Dec 2019 18:55
 Operator : JU
 Sample : K6113-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:04:53 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

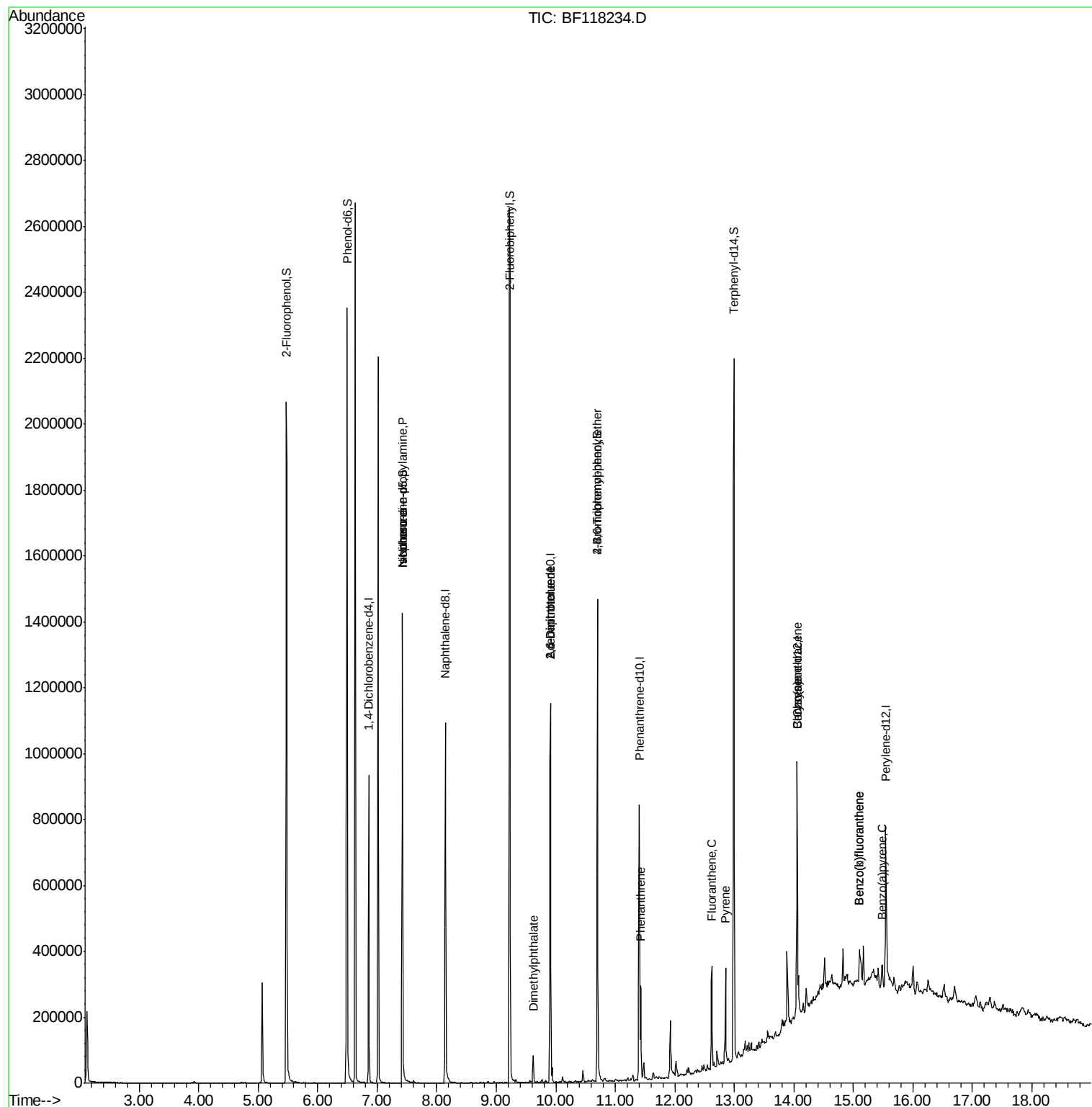
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	129529	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	490588	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	233578	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	347155	20.00	ng	0.00
76) Chrysene-d12	14.06	240	249522	20.00	ng	-0.01
87) Perylene-d12	15.54	264	211487	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	631923	85.45	ng	0.00
7) Phenol-d6	6.49	99	791642	88.50	ng	0.00
23) Nitrobenzene-d5	7.42	82	468157	53.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	190991	67.31	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	858003	55.89	ng	-0.01
79) Terphenyl-d14	12.99	244	699233	48.19	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.63	77	15774	Below Cal		83
19) n-Nitroso-di-n-propylamine	7.42	70	62669	11.530 ng	#	78
25) Isophorone	7.42	82	468152	31.669 ng	#	62
50) Dimethylphthalate	9.62	163	36032	2.088 ng		98
51) 2,6-Dinitrotoluene	9.91	165	29160	7.773 ng	#	27
57) 2,4-Dinitrotoluene	9.91	165	29160	5.823 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	12013	3.031 ng	#	1
71) Phenanthrene	11.43	178	107939	5.849 ng		99
75) Fluoranthene	12.62	202	124647	6.606 ng		99
78) Pyrene	12.85	202	111736	5.682 ng		97
81) Benzo(a)anthracene	14.04	228	48717	2.824 ng		95
83) Chrysene	14.04	228	48717	2.956 ng		97
88) Benzo(b)fluoranthene	15.11	252	65084	4.653 ng	#	92
89) Benzo(k)fluoranthene	15.11	252	65084	4.844 ng	#	90
90) Benzo(a)pyrene	15.48	252	33042	2.675 ng	#	92

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

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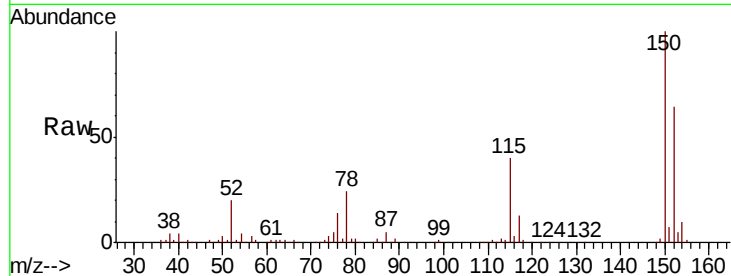


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	128.3	192.5
115	62.2	51.1	76.7

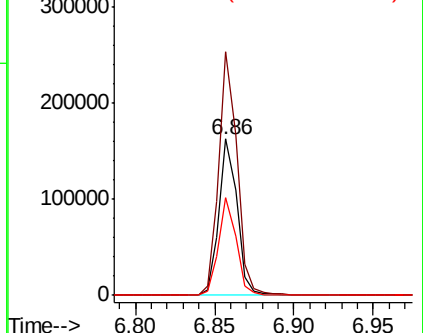
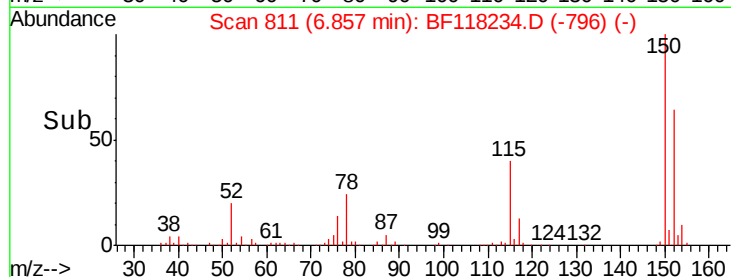


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

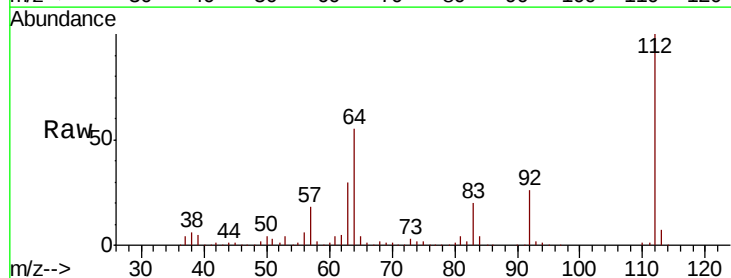
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 85.447 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	41.3	61.9
63	29.9	22.4	33.6

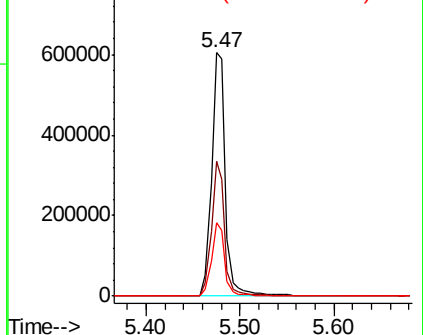
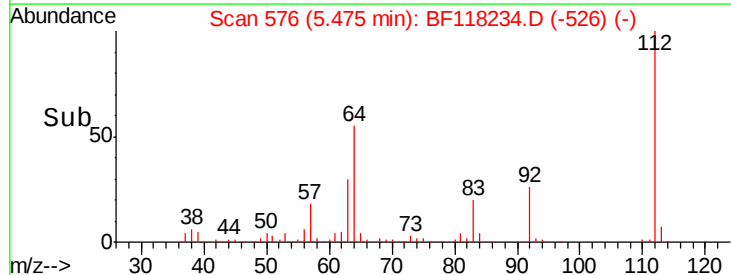


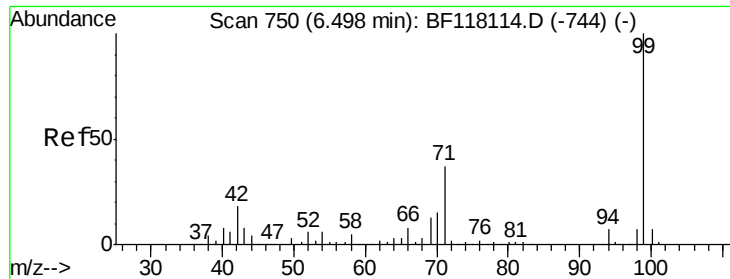
Abundance

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: 88.501 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

ClientSampleId :

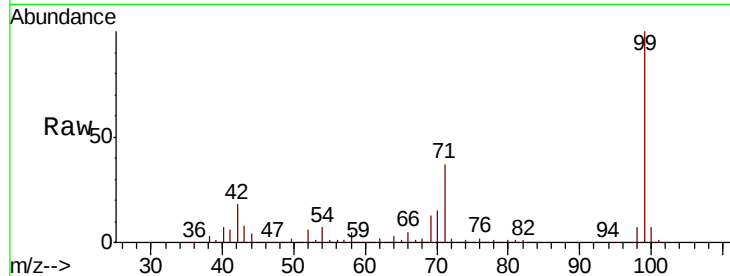
Tot Ion: 99 Resp: 791642

Ion Ratio Lower Upper

99 100

42 17.6 14.1 21.1

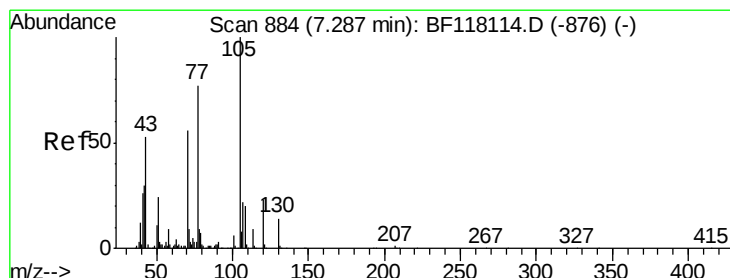
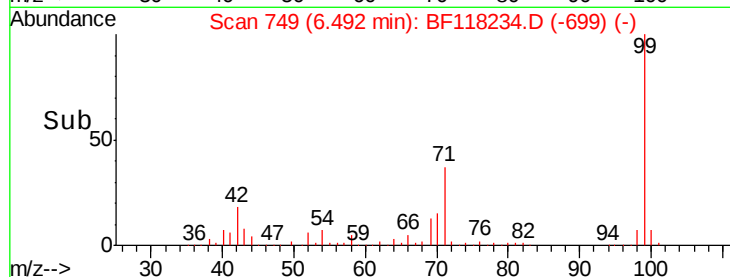
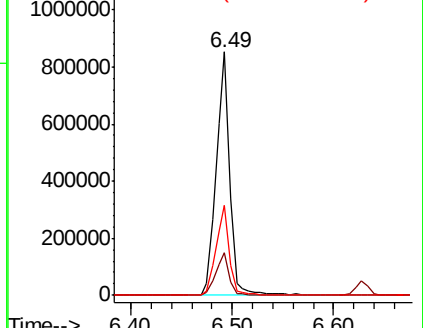
71 36.9 29.7 44.5



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: 11.530 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Tgt Ion: 70 Resp: 62669

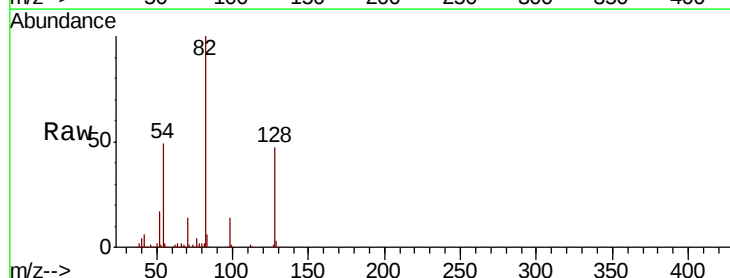
Ion Ratio Lower Upper

70 100

42 45.8 43.2 64.8

101 0.0 8.1 12.1#

130 2.5 19.8 29.8#

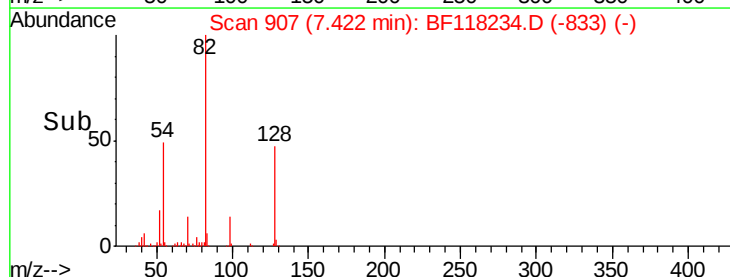
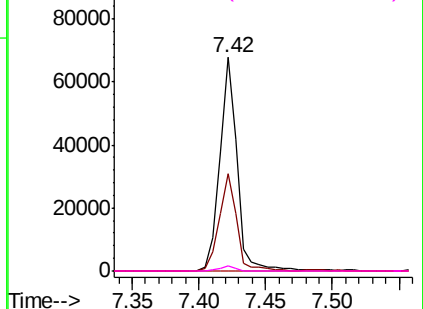


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 490588

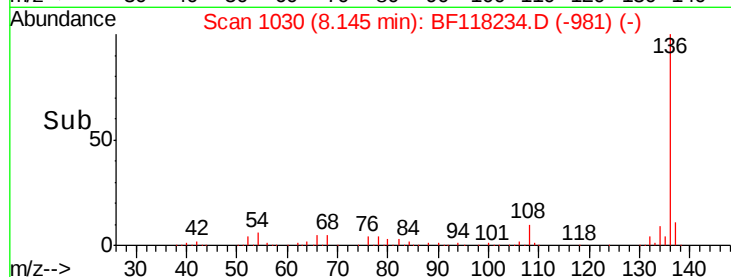
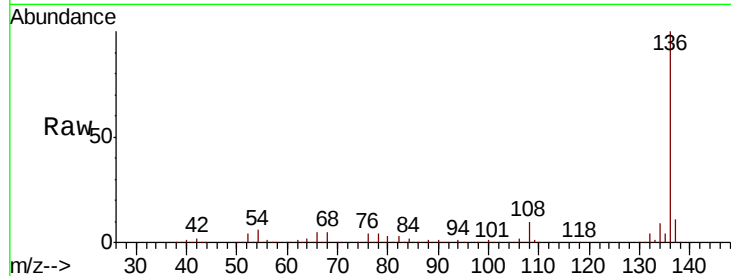
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 6.5 5.0 7.6

68 4.6 3.8 5.8

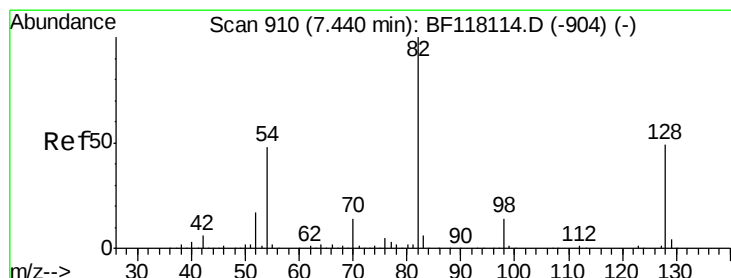
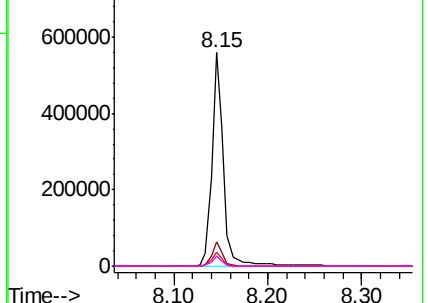


Abundance Ion 136.00 (135.70 to 136.70): E

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: 53.686 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

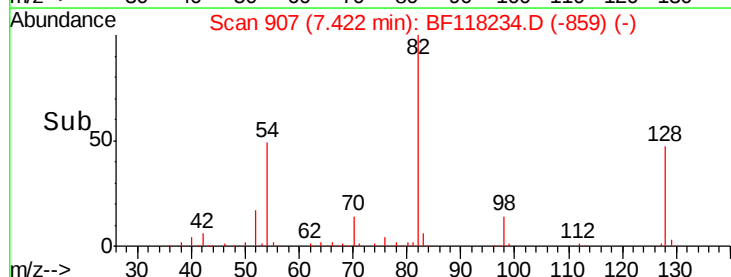
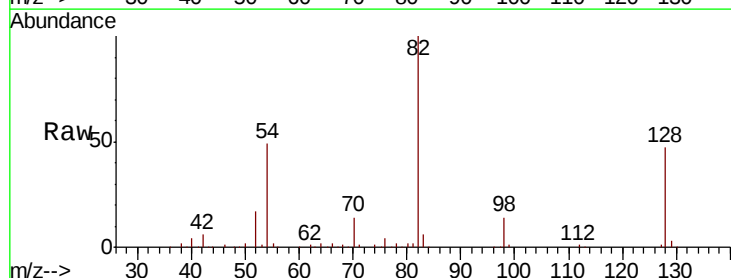
Tgt Ion: 82 Resp: 468157

Ion Ratio Lower Upper

82 100

128 46.9 39.1 58.7

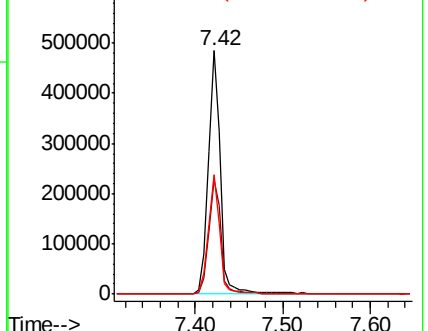
54 49.0 38.2 57.2

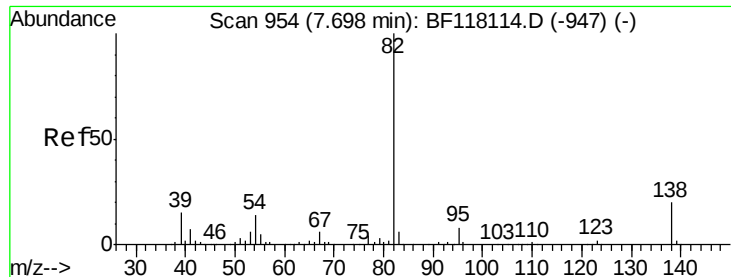


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

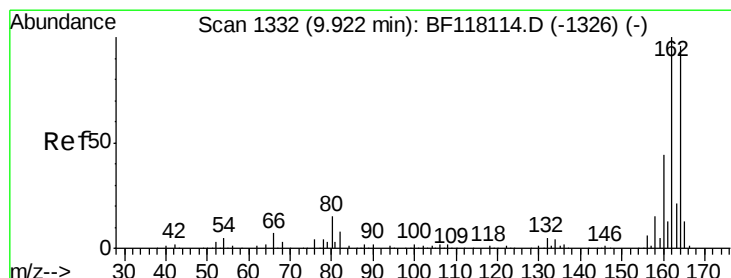
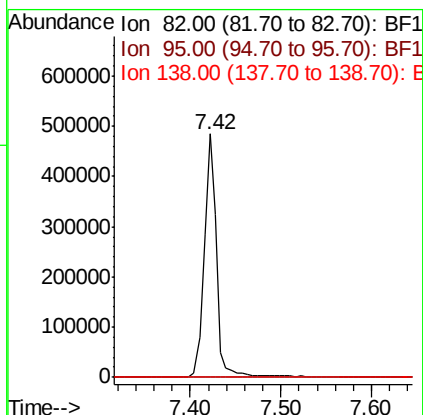
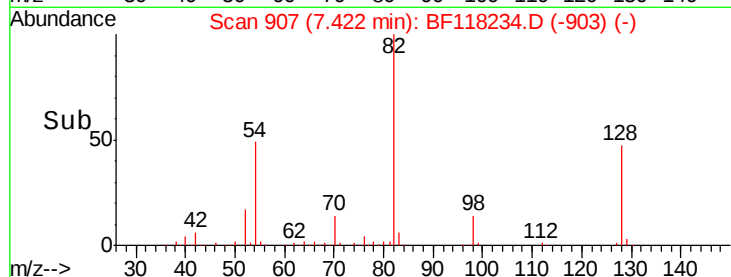
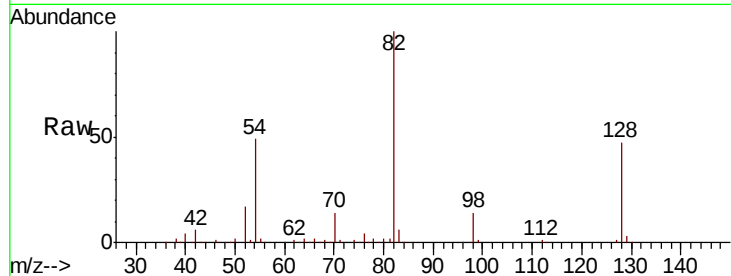




#25
Isophorone
Concen: 31.669 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.28 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

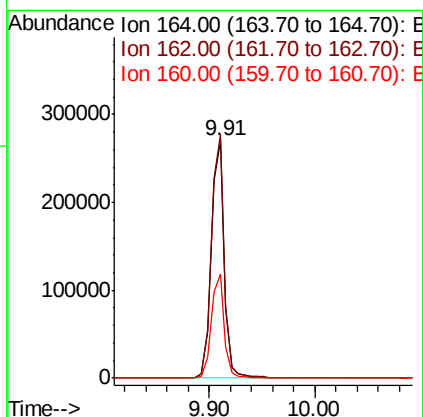
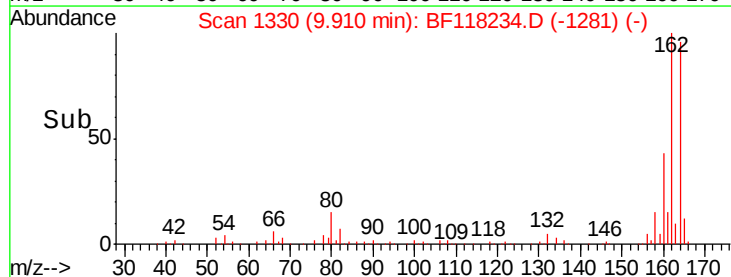
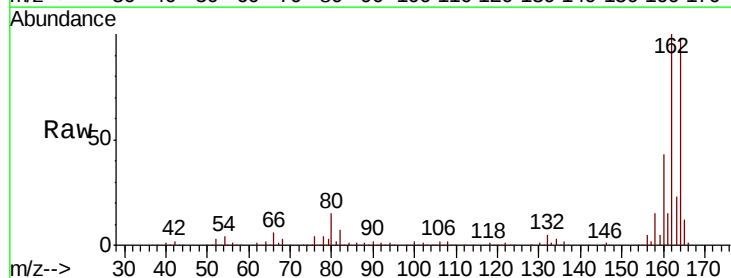
Instrument :
BNA_F
ClientSampleId :

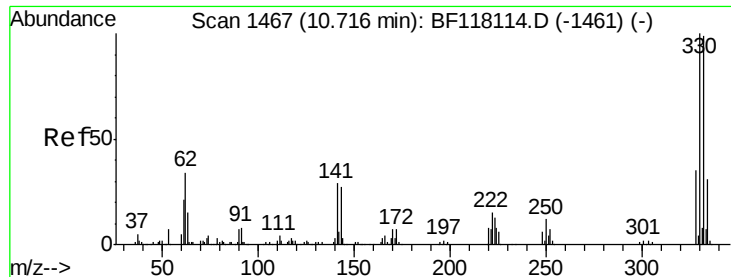
Tot Ion: 82 Resp: 468152
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 16.3 24.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Tgt Ion:164 Resp: 233578
Ion Ratio Lower Upper
164 100
162 102.6 83.4 125.0
160 44.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 67.309 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

ClientSampled :

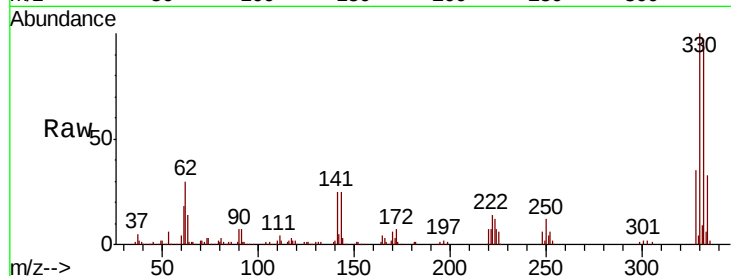
Tot Ion:330 Resp: 190991

Ion Ratio Lower Upper

330 100

332 97.3 78.1 117.1

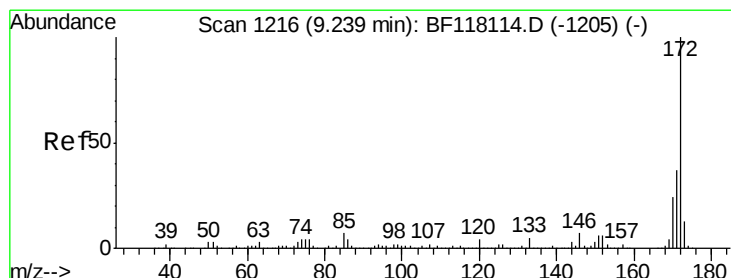
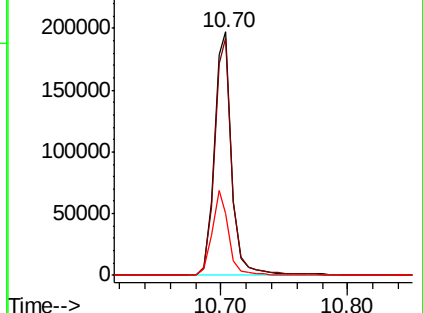
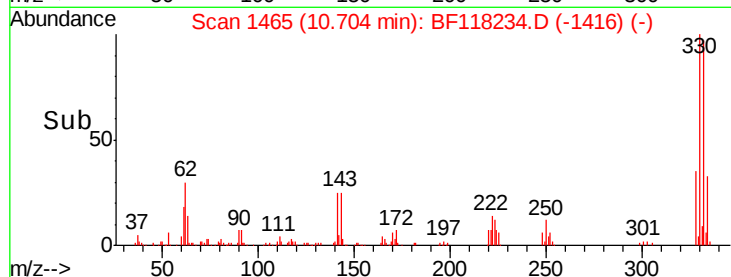
141 33.0 26.9 40.3



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: 55.895 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

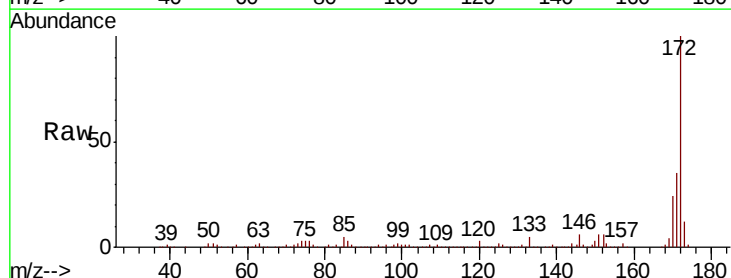
Tgt Ion:172 Resp: 858003

Ion Ratio Lower Upper

172 100

171 35.0 29.2 43.8

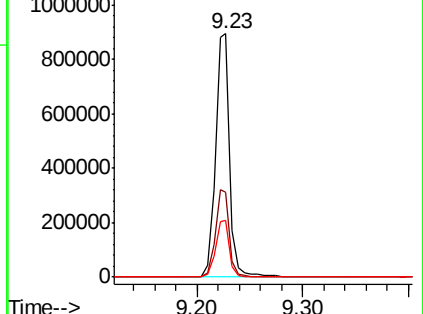
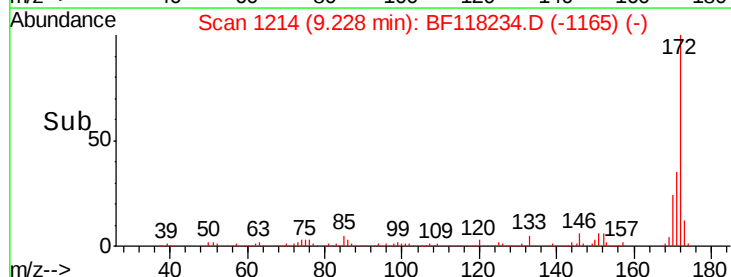
170 23.5 19.4 29.2

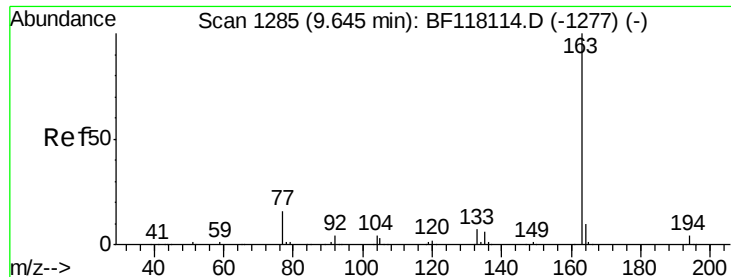


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.088 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

ClientSampleId :

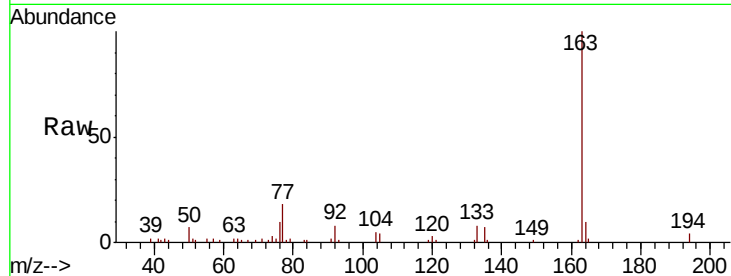
Tot Ion:163 Resp: 36032

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

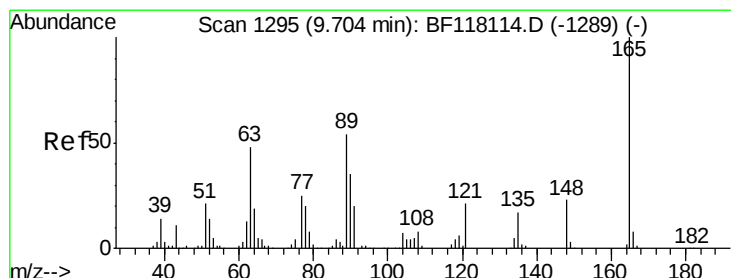
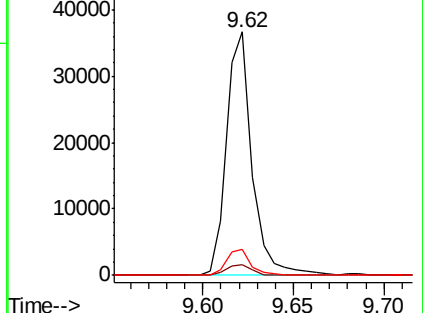
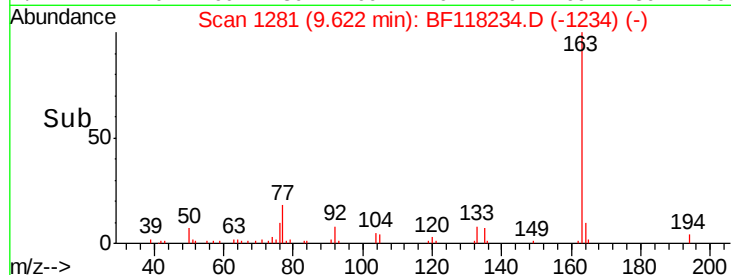
164 10.4 7.7 11.5



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: 7.773 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

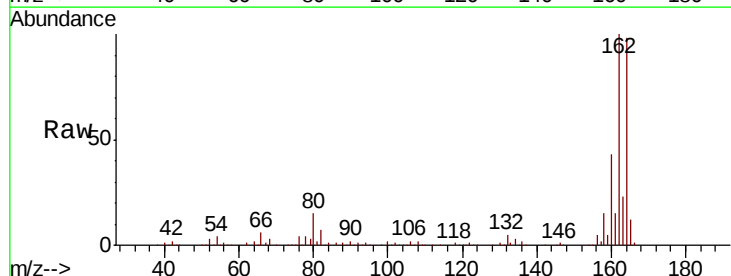
Tgt Ion:165 Resp: 29160

Ion Ratio Lower Upper

165 100

63 0.0 41.4 62.0#

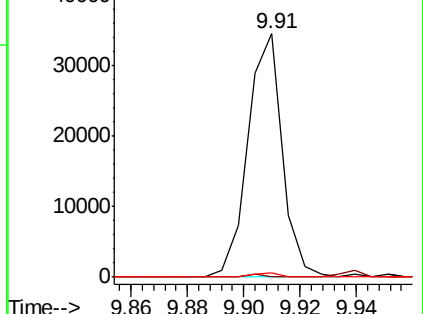
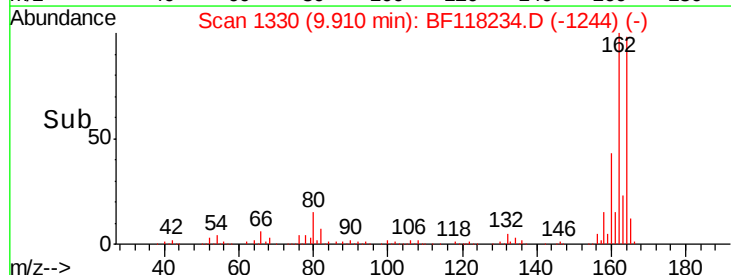
89 2.0 42.9 64.3#

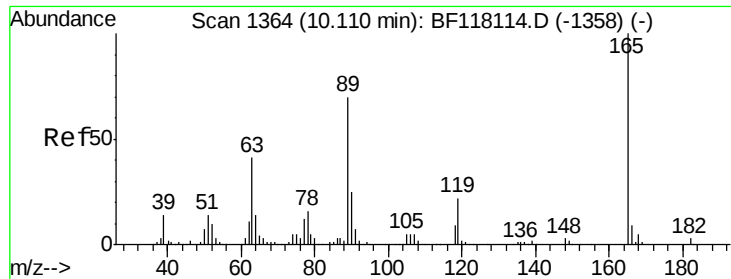


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

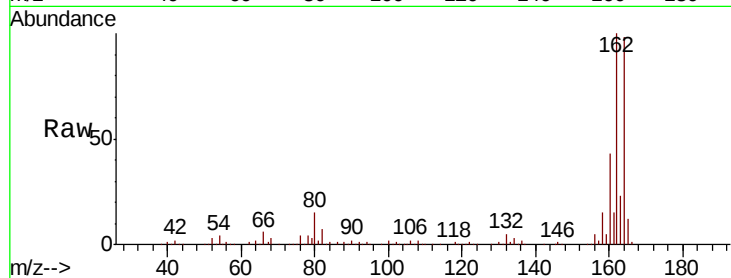




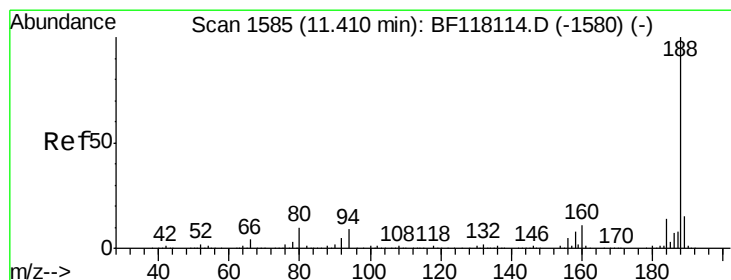
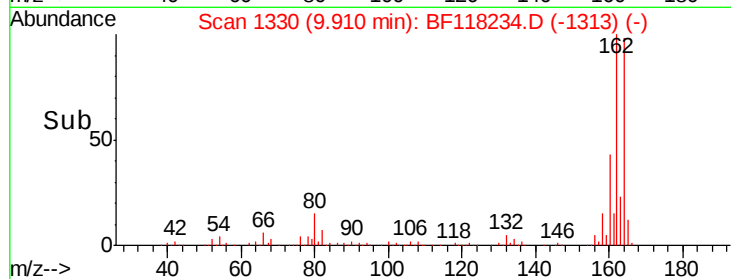
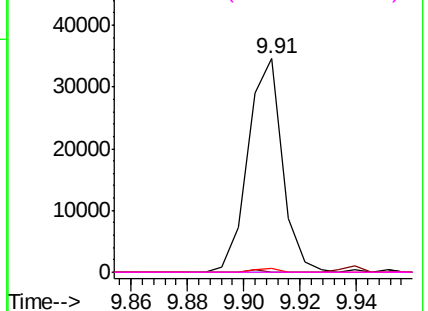
#57
 2,4-Dinitrotoluene
 Concen: 5.823 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	165	Resp:	29160
Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.6	49.0#
89	2.0	56.1	84.1#
182	0.0	2.1	3.1#

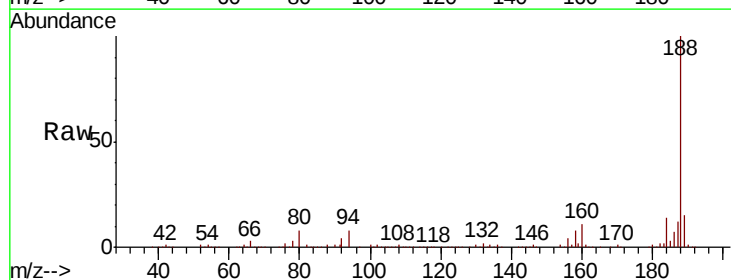


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

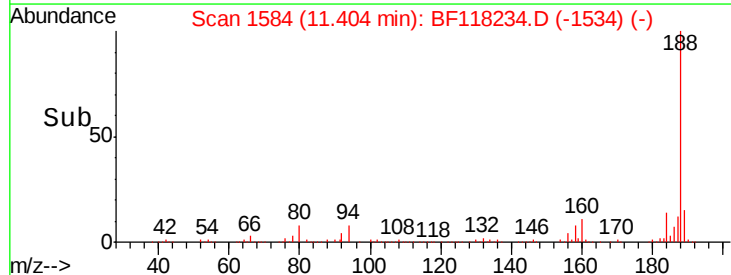
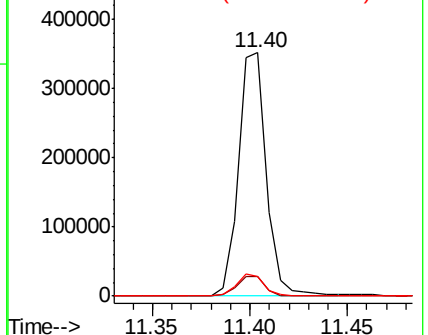


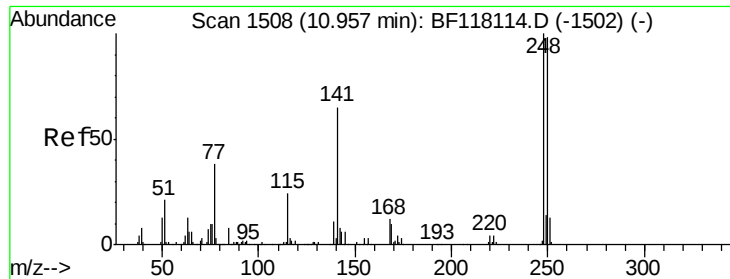
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Tgt Ion:	188	Resp:	347155
Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.1	10.7
80	8.0	7.9	11.9



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

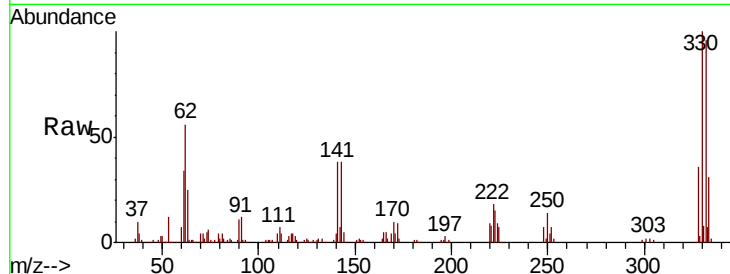




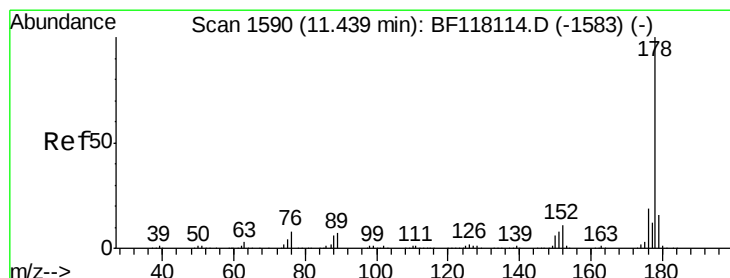
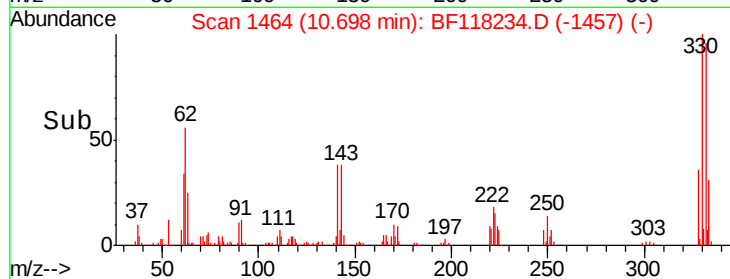
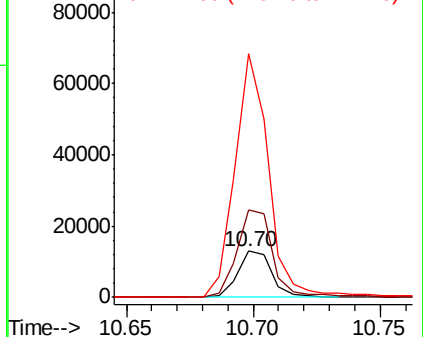
#67
 4-Bromophenyl-phenylether
 Concen: 3.031 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.26 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12013
 Ion Ratio Lower Upper
 248 100
 250 190.9 78.3 117.5#
 141 528.2 52.2 78.4#

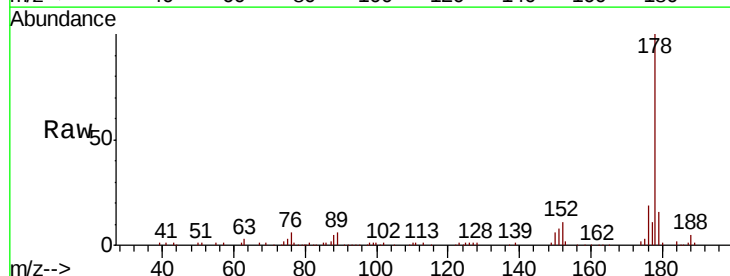


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

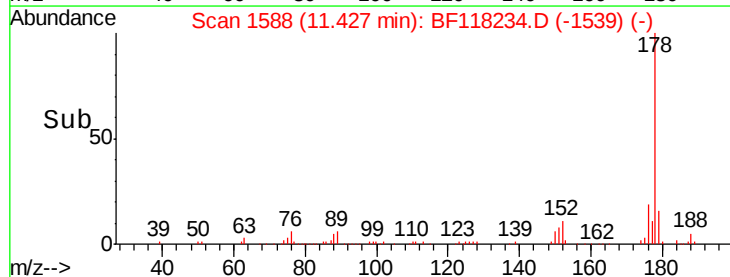
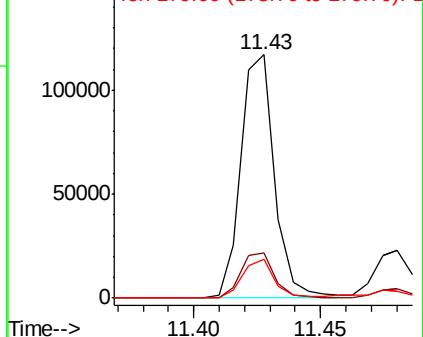


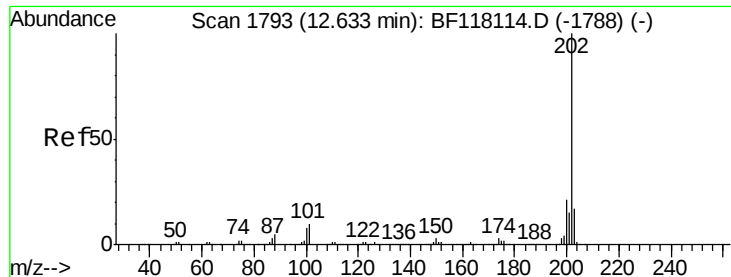
#71
 Phenanthrene
 Concen: 5.849 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF118234.D
 Acq: 17 Dec 2019 18:55

Tgt Ion:178 Resp: 107939
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 15.7 12.6 18.8



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





#75

Fluoranthene

Concen: 6.606 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

Instrument :

BNA_F

ClientSampleId :

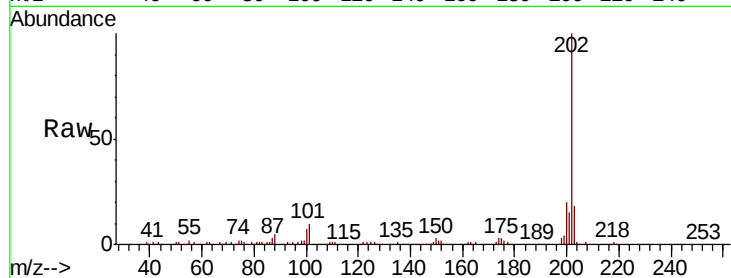
Tot Ion:202 Resp: 124647

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.4

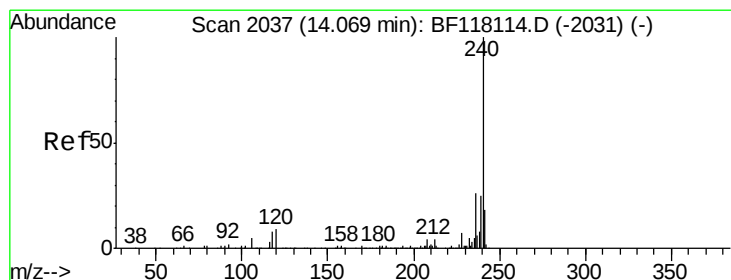
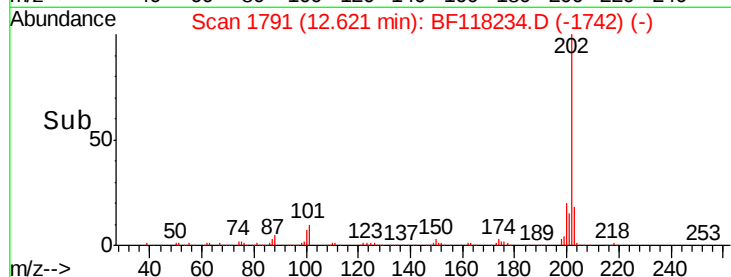
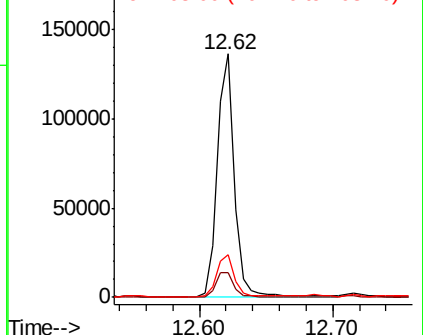
203 17.7 0.0 37.2



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118234.D

Acq: 17 Dec 2019 18:55

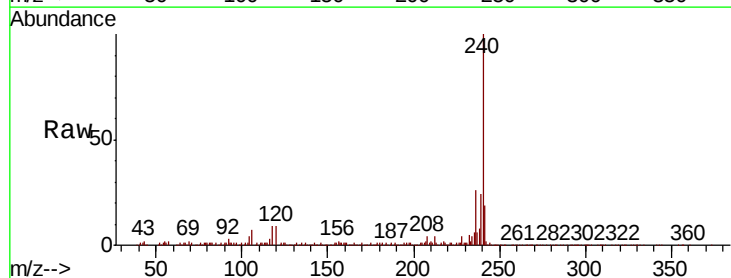
Tgt Ion:240 Resp: 249522

Ion Ratio Lower Upper

240 100

120 8.9 7.1 10.7

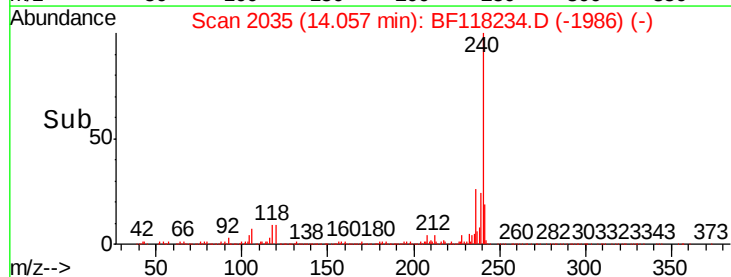
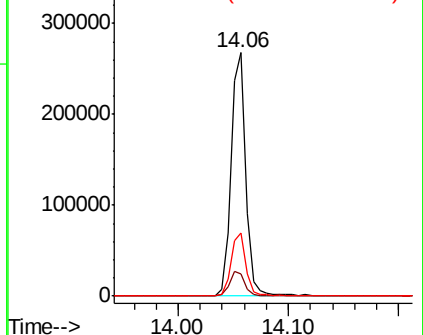
236 25.9 21.0 31.6

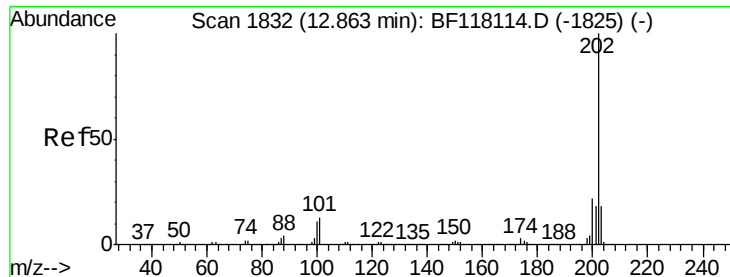


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

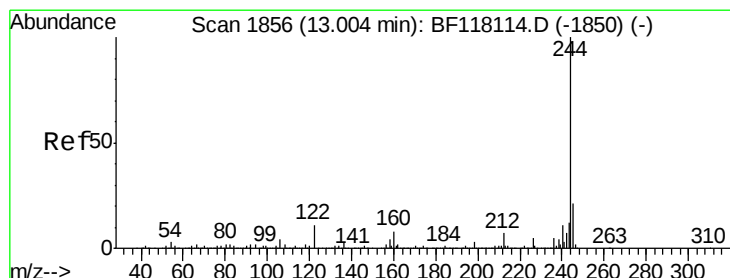
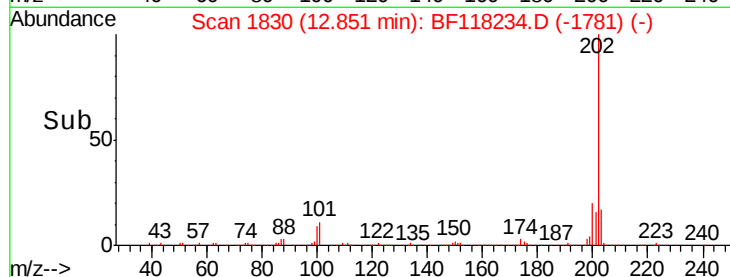
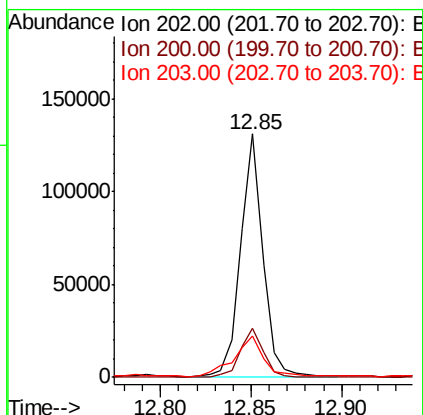
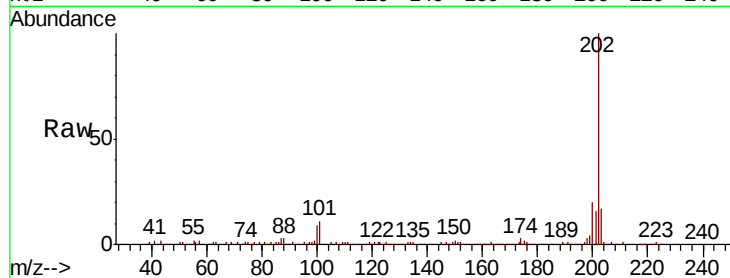




#78
Pvrene
Concen: 5.682 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

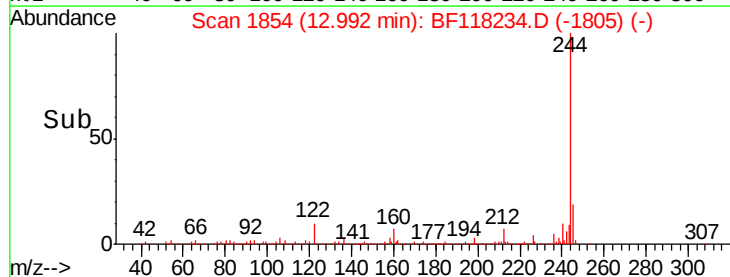
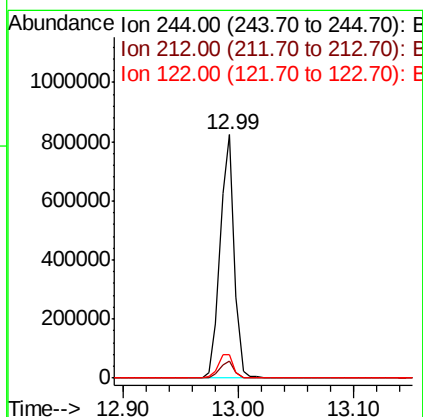
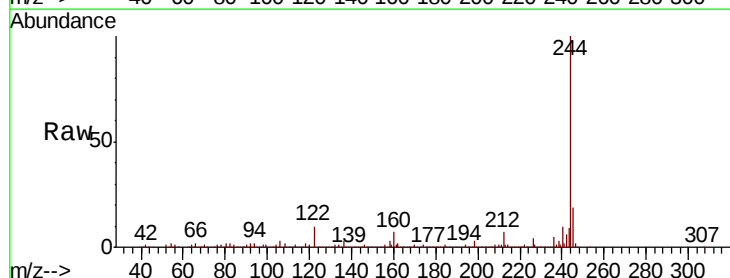
Instrument :
BNA_F
ClientSampleId :

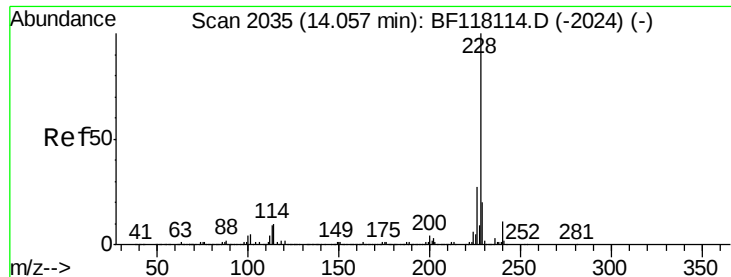
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.5	26.3
203	16.9	14.6	21.8



#79
Terphenyl-d14
Concen: 48.189 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	9.9	9.0	13.6

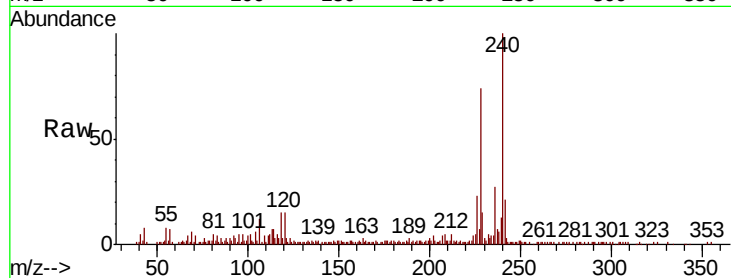




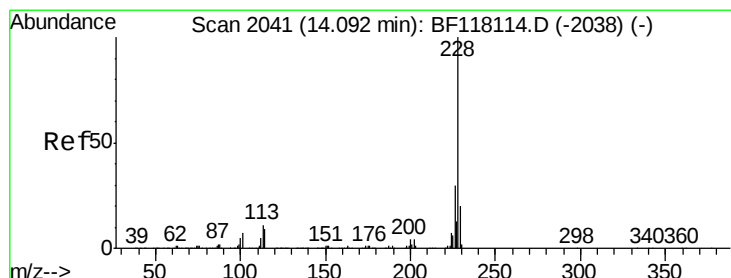
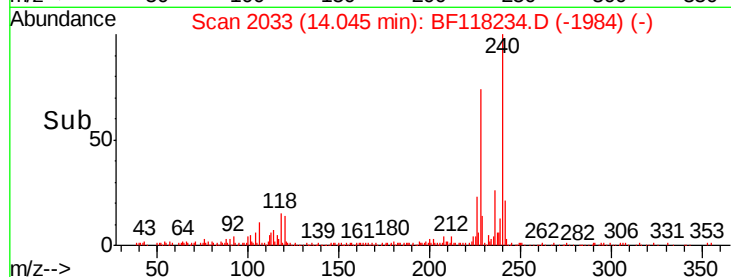
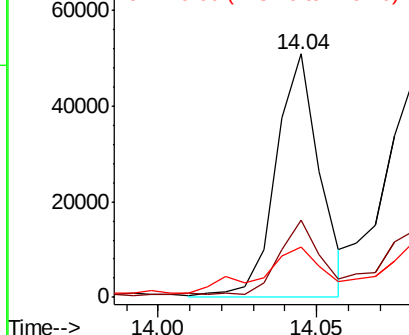
#81
Benzo(a)anthracene
Concen: 2.824 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 48717
Ion Ratio Lower Upper
228 100
226 31.6 21.8 32.8
229 20.4 15.8 23.8

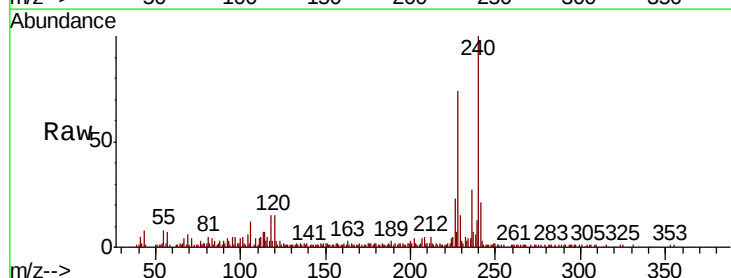


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

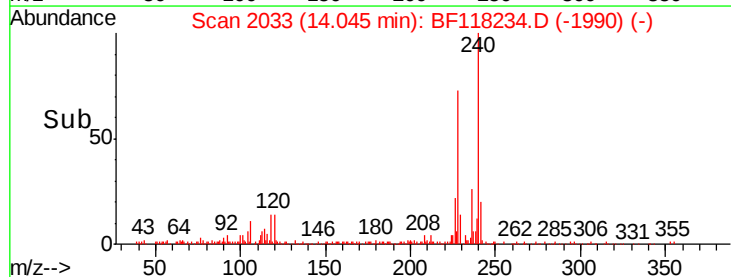
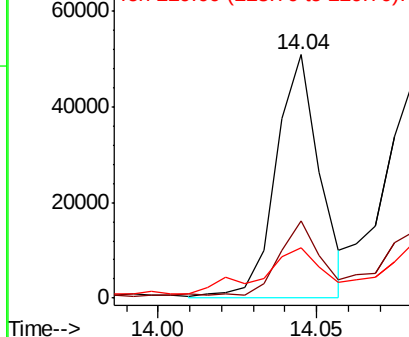


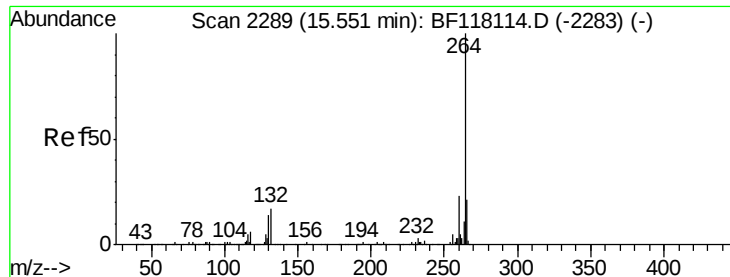
#83
Chrysene
Concen: 2.956 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.05 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Tgt Ion:228 Resp: 48717
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.8
229 20.4 15.7 23.5



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

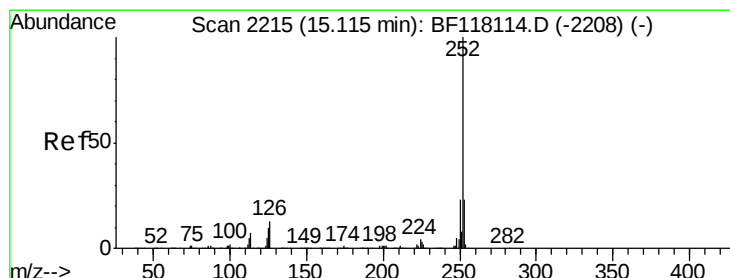
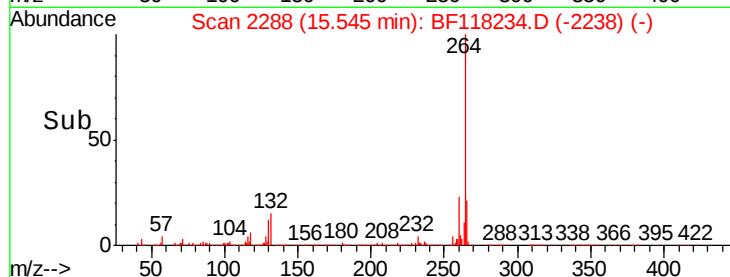
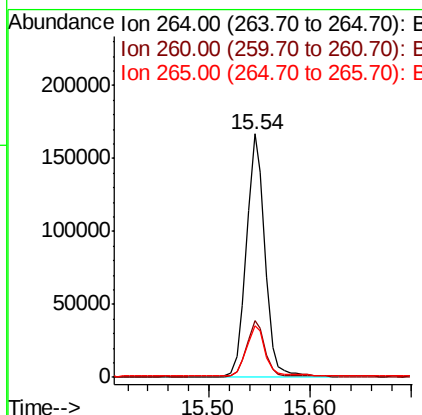
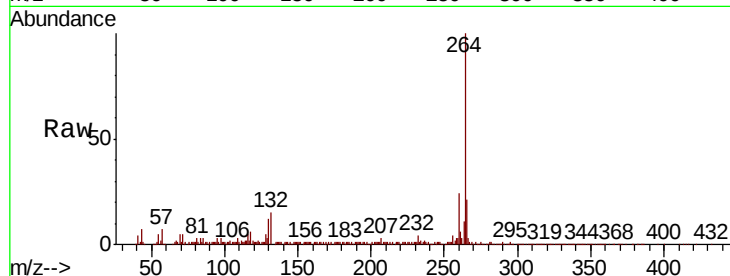




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

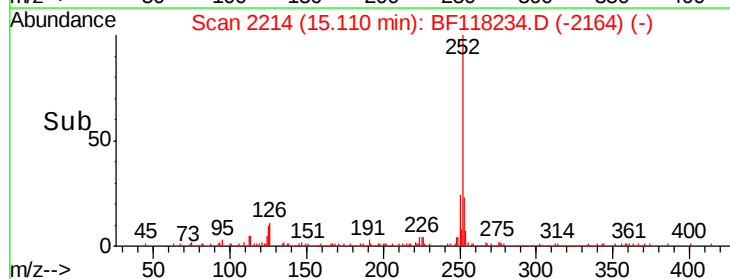
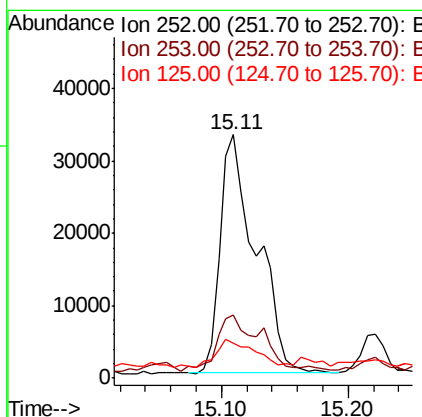
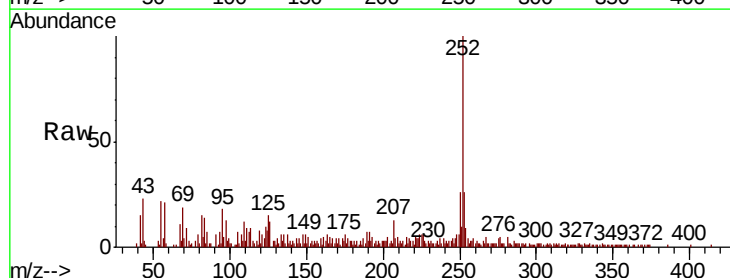
Instrument :
BNA_F
ClientSampleId :

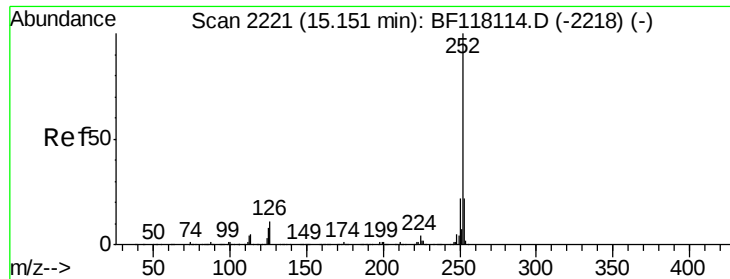
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.1	16.8	25.2



#88
Benzo(b)fluoranthene
Concen: 4.653 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.4
125	14.5	8.3	12.5#

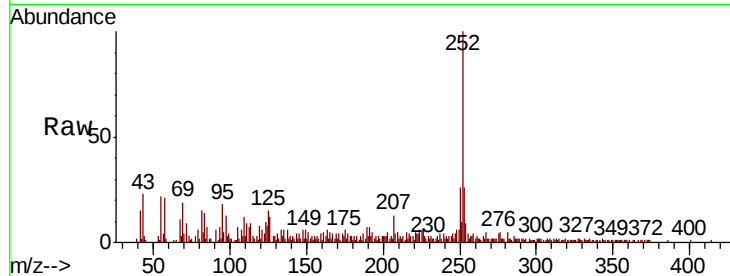




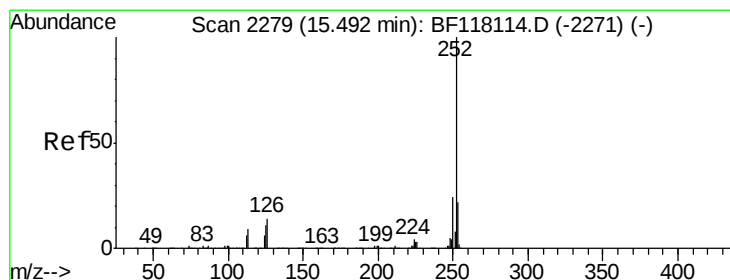
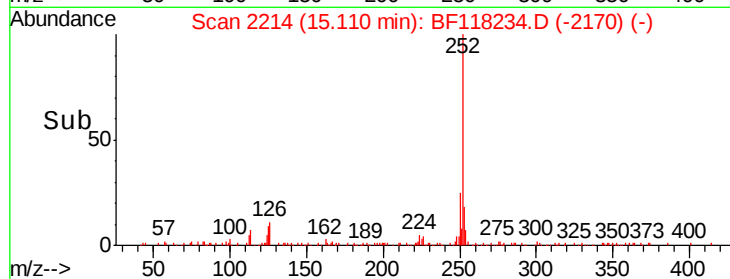
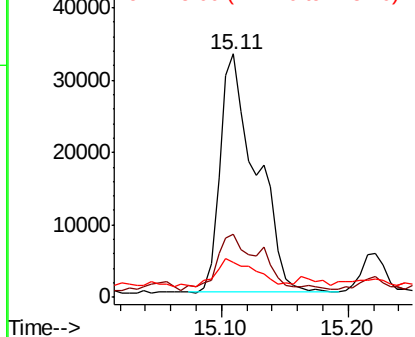
#89
Benzo(k)fluoranthene
Concen: 4.844 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 65084
Ion Ratio Lower Upper
252 100
253 25.7 17.6 26.4
125 14.5 6.7 10.1#

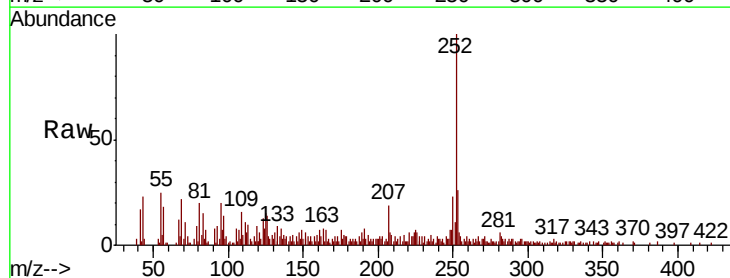


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.675 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF118234.D
Acq: 17 Dec 2019 18:55

Tgt Ion:252 Resp: 33042
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 15.1 9.1 13.7#



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

