

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF118999.D
 Acq On : 21 Feb 2020 18:22
 Operator : CG/JU
 Sample : L1526-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 02:21:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	155427	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	535236	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	238868	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	394832	20.00	ng	0.00
76) Chrysene-d12	13.90	240	352547	20.00	ng	0.00
87) Perylene-d12	15.33	264	313919	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	884198	95.07	ng	0.00
7) Phenol-d6	6.40	99	1032902	91.32	ng	0.00
23) Nitrobenzene-d5	7.32	82	656600	64.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	247876	79.33	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1174516	72.44	ng	-0.01
79) Terphenyl-d14	12.85	244	1203859	58.79	ng	0.00

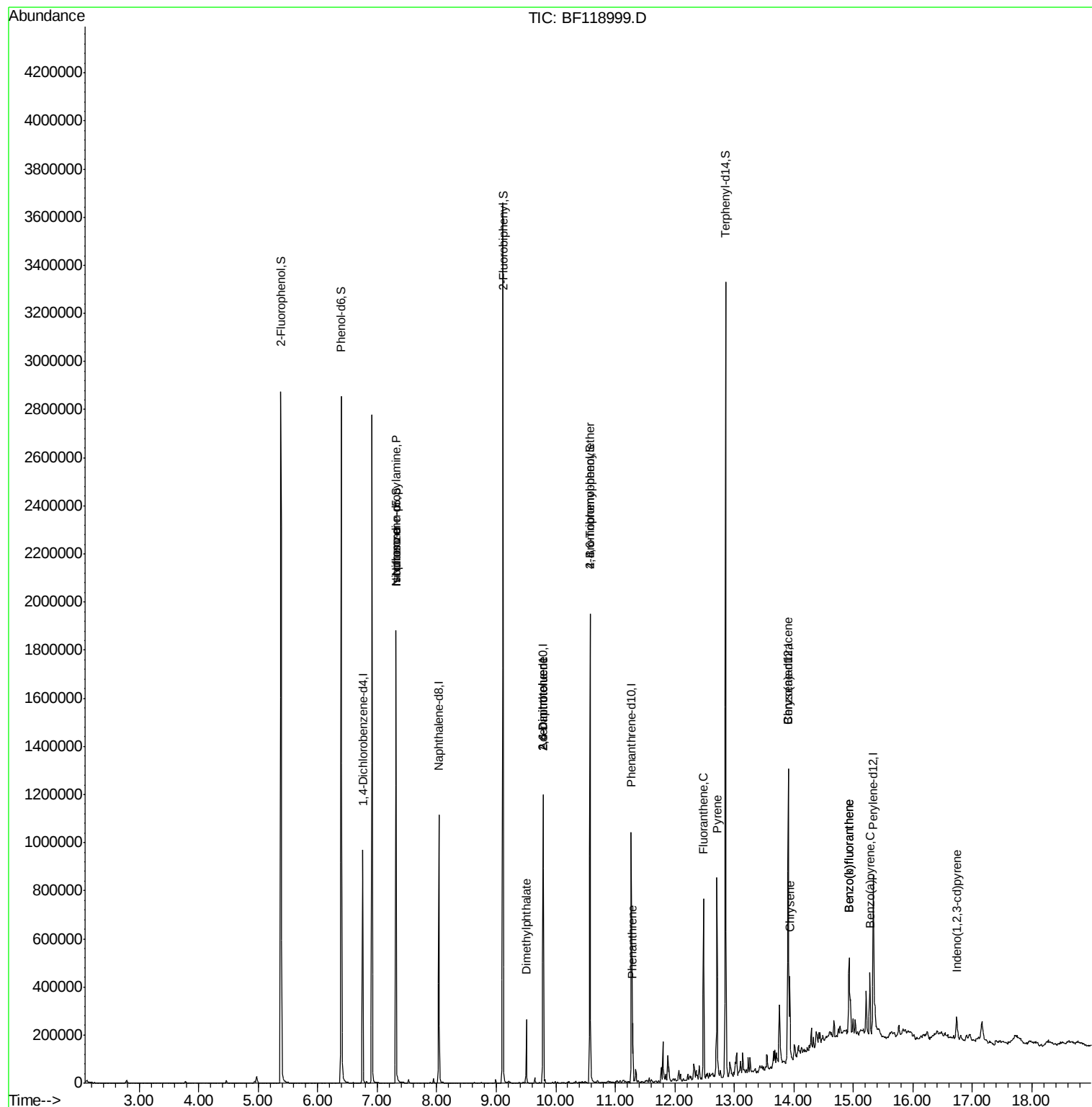
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	88638	13.448	ng	# 75
25) Isophorone	7.32	82	656595	37.296	ng	# 63
50) Dimethylphthalate	9.50	163	103647	5.674	ng	99
51) 2,6-Dinitrotoluene	9.79	165	30883	7.610	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	30883	5.871	ng	# 29
67) 4-Bromophenyl-phenylether	10.57	248	16116	3.123	ng	# 1
71) Phenanthrene	11.29	178	85156	3.955	ng	98
75) Fluoranthene	12.48	202	272532	11.924	ng	100
78) Pyrene	12.71	202	316164	11.168	ng	98
81) Benzo(a)anthracene	13.90	228	160889	6.698	ng	99
83) Chrysene	13.93	228	149667	6.253	ng	98
86) Indeno(1,2,3-cd)pyrene	16.73	276	60501	2.611	ng	# 94
88) Benzo(b)fluoranthene	14.93	252	224434	10.847	ng	98
89) Benzo(k)fluoranthene	14.93	252	224434	11.704	ng	98
90) Benzo(a)pyrene	15.27	252	119511	6.400	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF118999.D
Acq On : 21 Feb 2020 18:22
Operator : CG/JU
Sample : L1526-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 24 02:21:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 20 17:40:17 2020
Response via : Initial Calibration



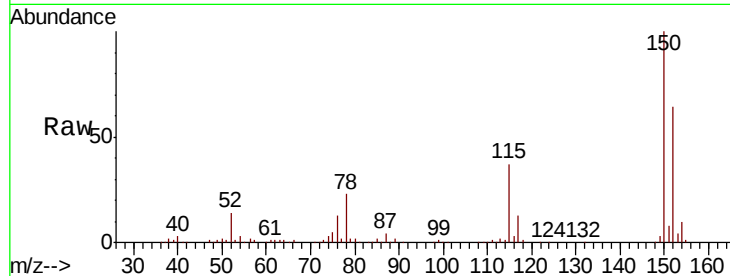


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.3	186.5
115	57.7	44.6	67.0

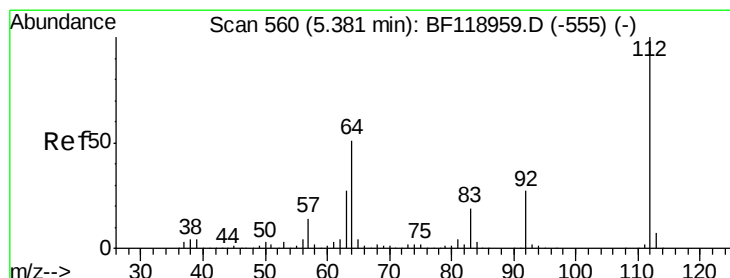
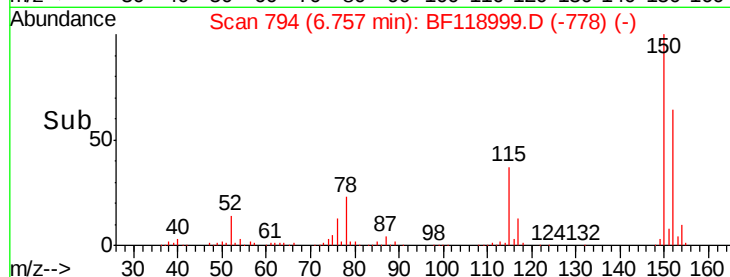
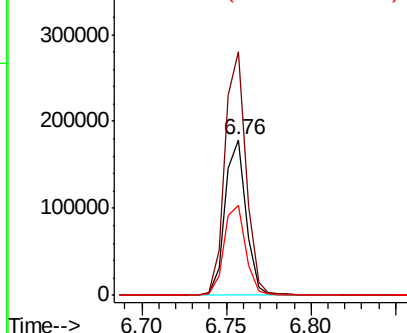


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

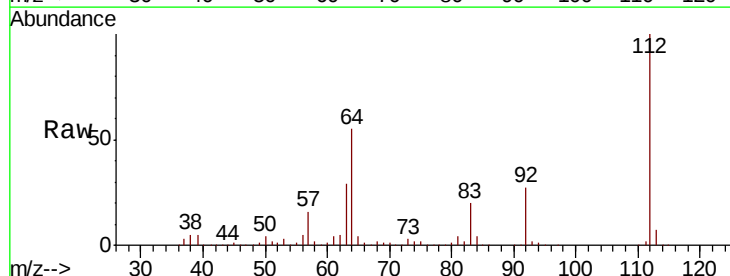
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.070 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	40.4	60.6
63	28.6	21.3	31.9

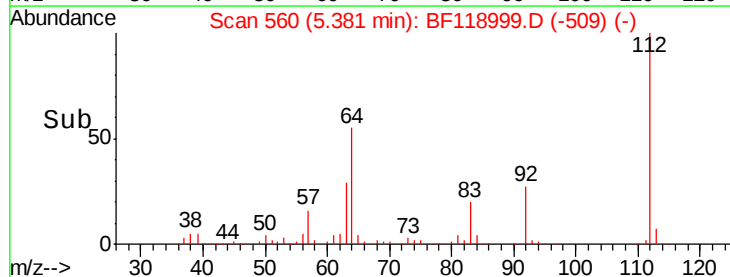
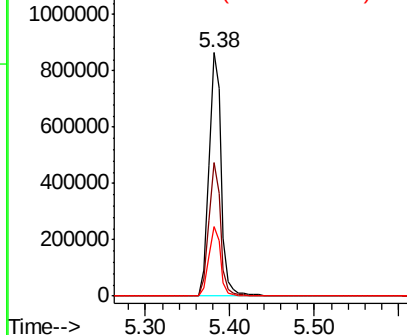


Abundance

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: 91.318 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Instrument :

BNA_F

ClientSampleId :

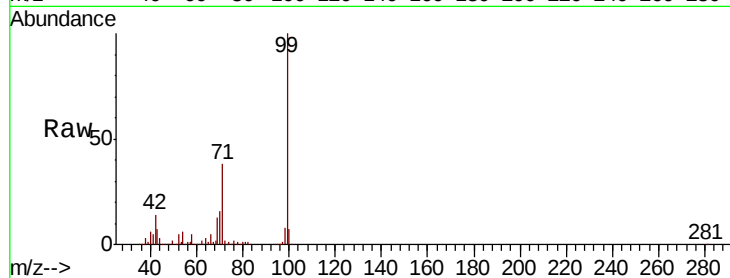
Tot Ion: 99 Resp: 1032902

Ion Ratio Lower Upper

99 100

42 14.4 11.4 17.0

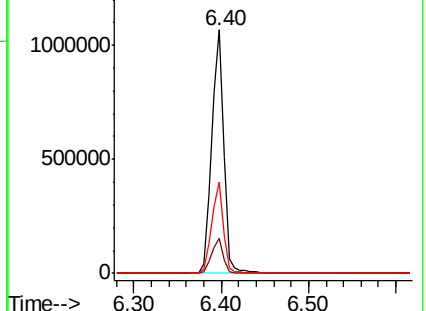
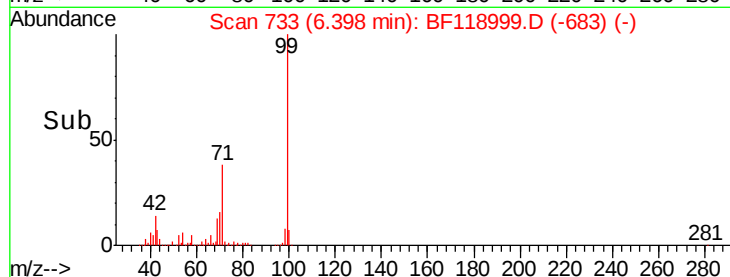
71 37.7 29.8 44.6



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: 13.448 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Tgt Ion: 70 Resp: 88638

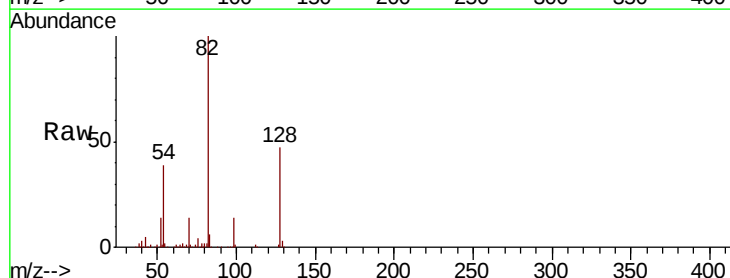
Ion Ratio Lower Upper

70 100

42 34.5 34.6 51.8#

101 0.0 8.1 12.1#

130 2.4 19.4 29.2#

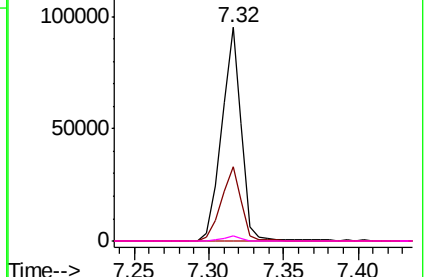
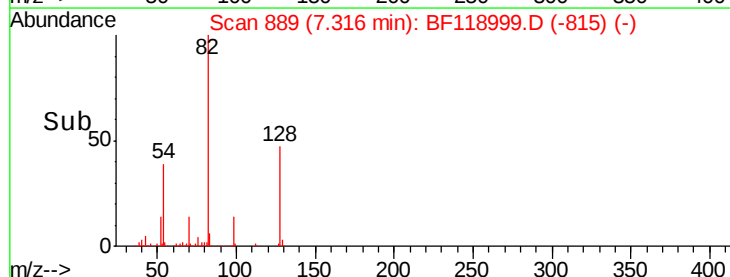


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 535236

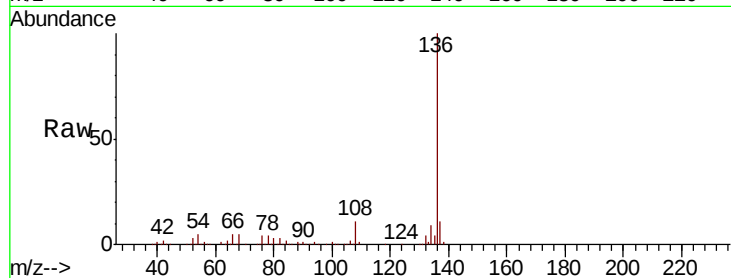
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.5 3.8 5.6

68 5.4 4.2 6.2

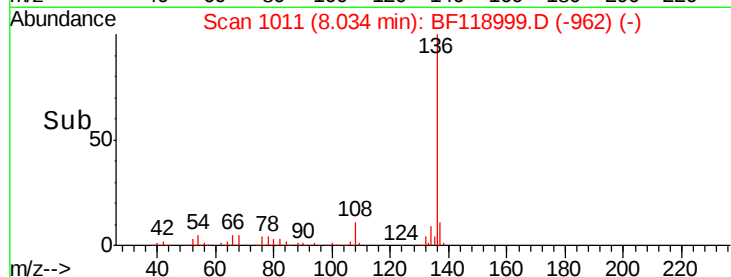


Abundance Ion 136.00 (135.70 to 136.70): E

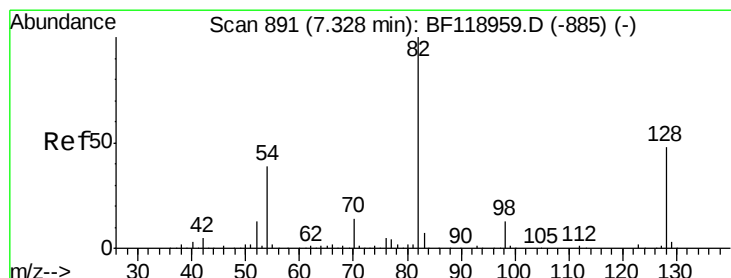
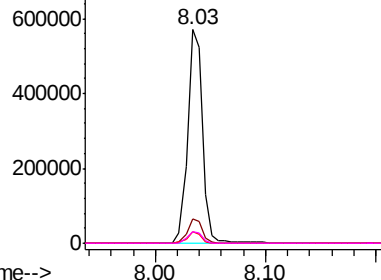
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 64.772 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

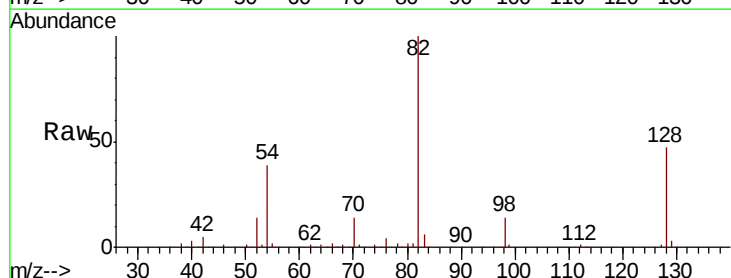
Tgt Ion: 82 Resp: 656600

Ion Ratio Lower Upper

82 100

128 46.8 38.2 57.2

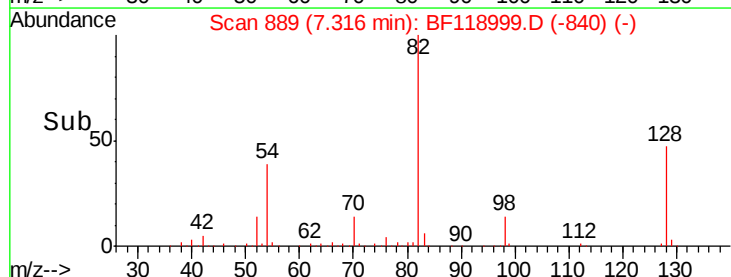
54 38.8 31.3 46.9



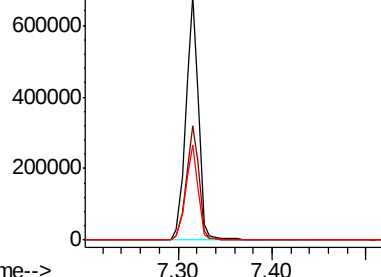
Abundance Ion 82.00 (81.70 to 82.70): BF1

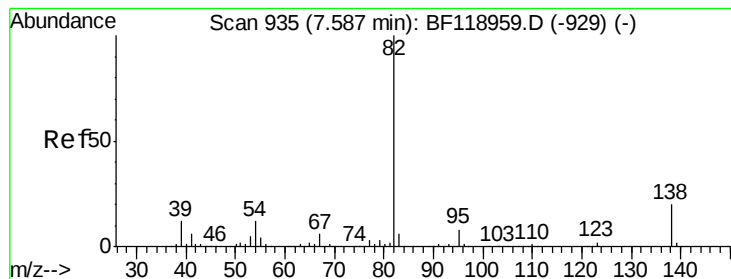
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 37.296 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Instrument :

BNA_F

ClientSampleId :

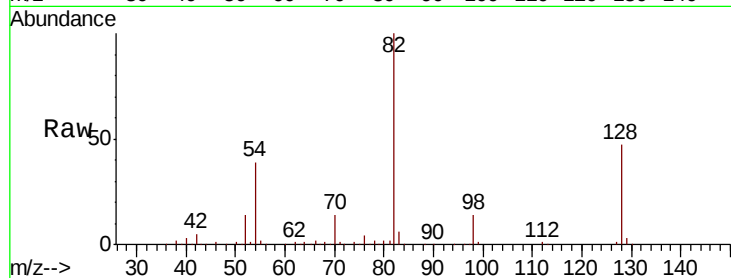
Tot Ion: 82 Resp: 656595

Ion Ratio Lower Upper

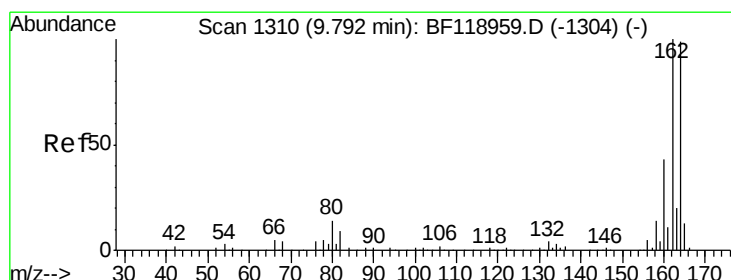
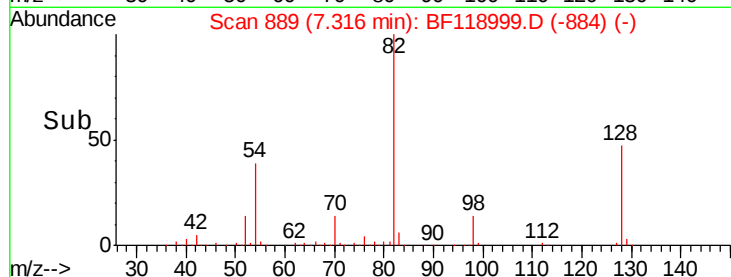
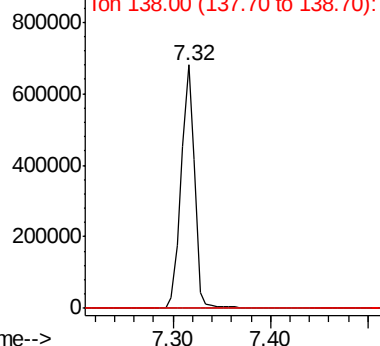
82 100

95 0.0 6.1 9.1#

138 0.0 15.8 23.6#



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: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

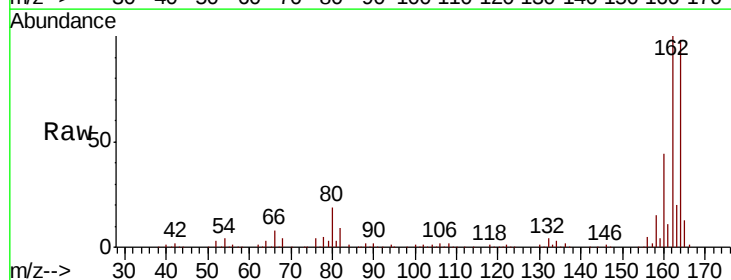
Tgt Ion: 164 Resp: 238868

Ion Ratio Lower Upper

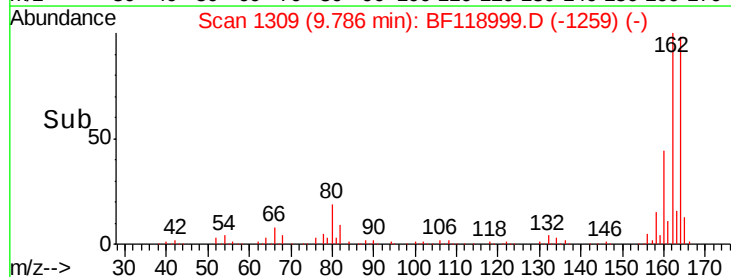
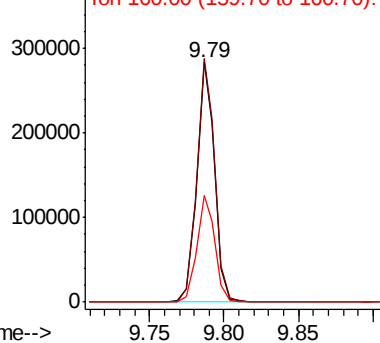
164 100

162 101.6 81.2 121.8

160 44.5 35.2 52.8



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

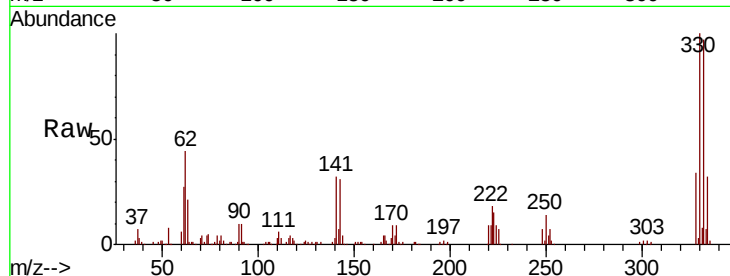




#42
 2,4,6-Tribromophenol
 Concen: 79.325 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	29.2	23.0	34.6

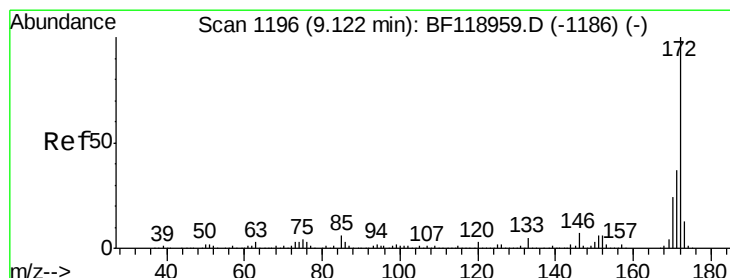
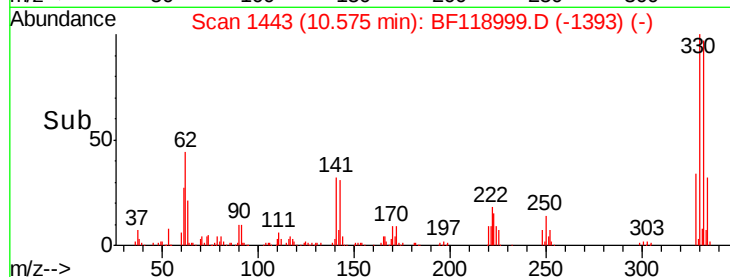
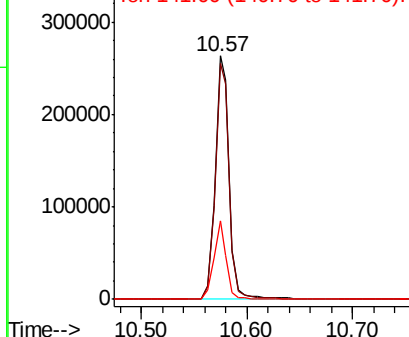


Abundance

Ion 329.80 (329.50 to 330.50): E

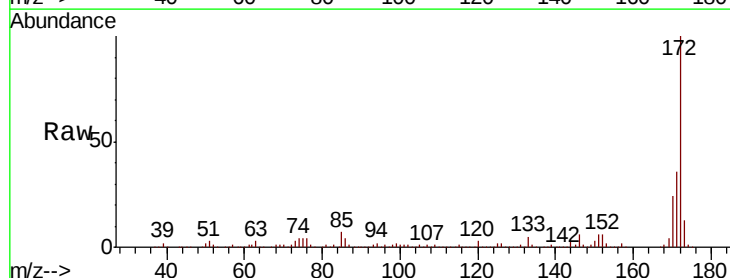
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.436 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	23.8	19.6	29.4

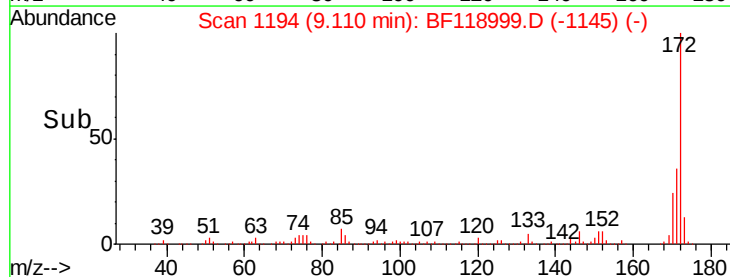
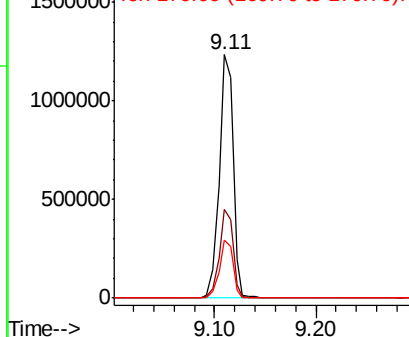


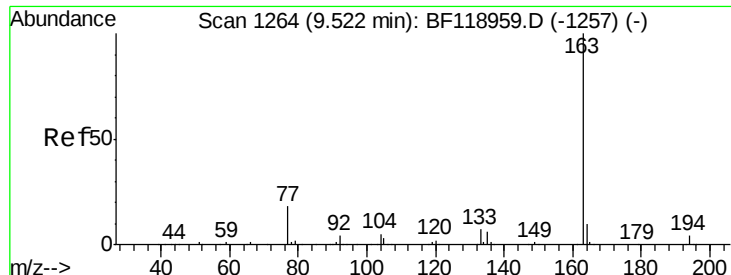
Abundance

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

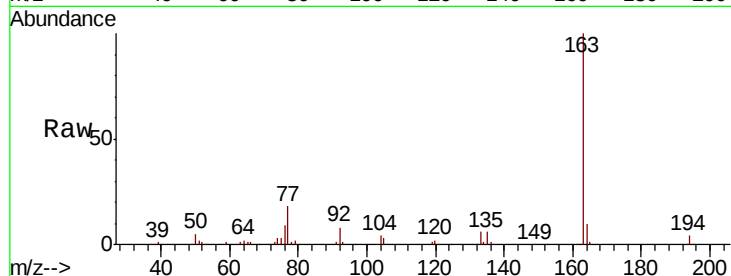




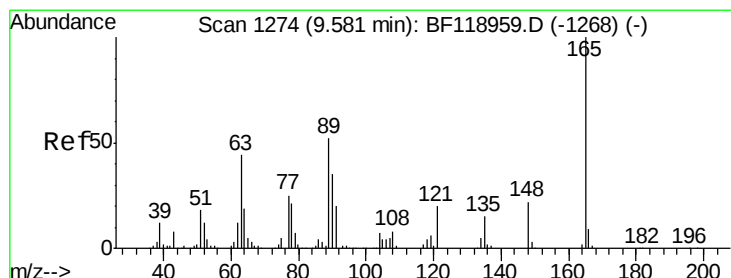
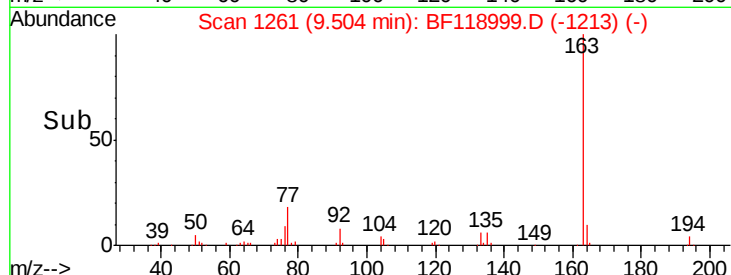
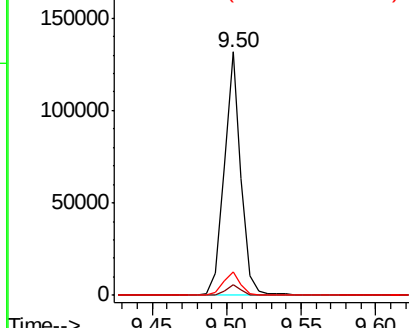
#50
Dimethylphthalate
Concen: 5.674 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	9.6	8.2	12.2

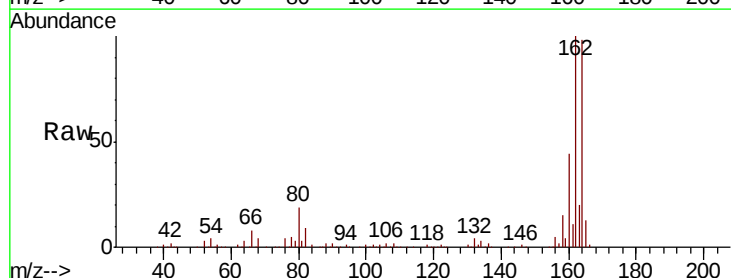


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

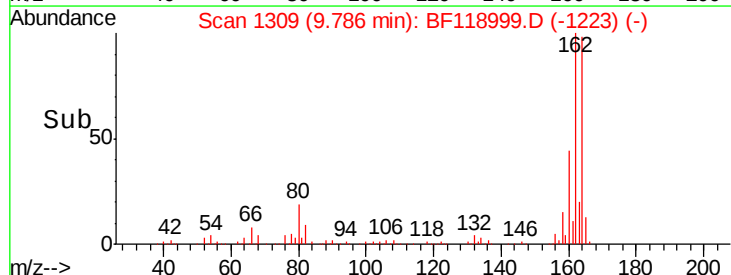
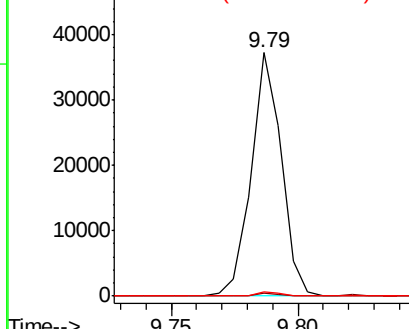


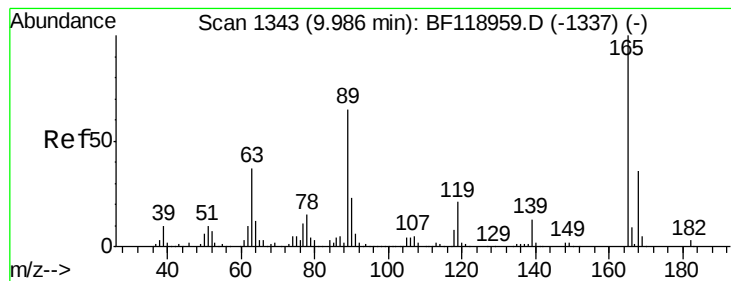
#51
2,6-Dinitrotoluene
Concen: 7.610 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.21 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.9	56.9#
89	1.5	41.4	62.0#



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

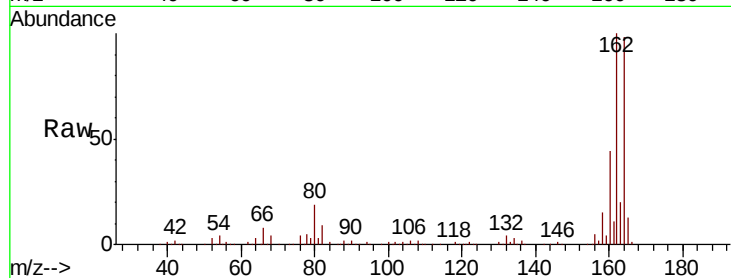




#57
 2,4-Dinitrotoluene
 Concen: 5.871 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.8	44.8#
89	1.5	51.9	77.9#
182	0.0	2.3	3.5#

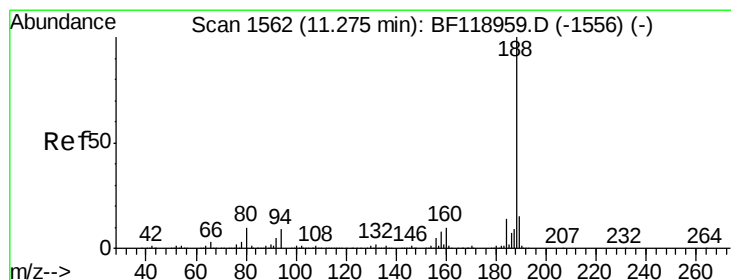
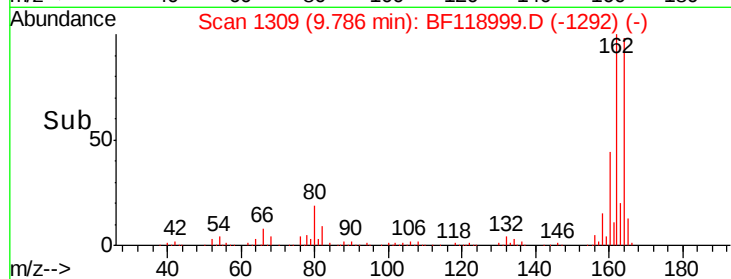
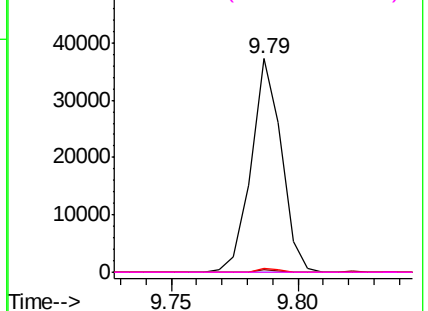


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

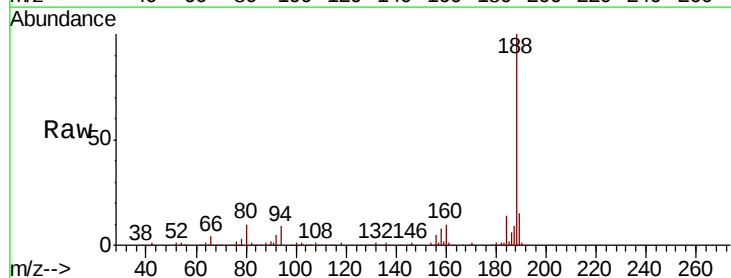
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

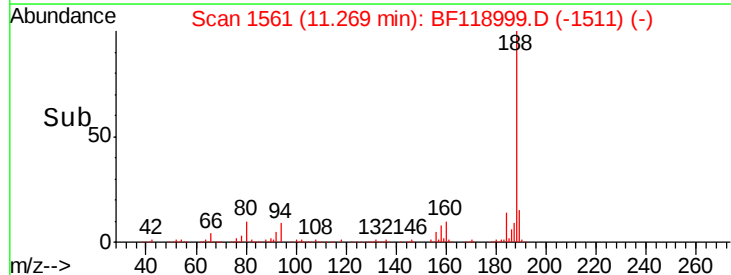
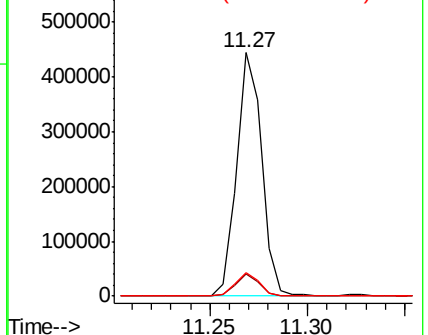
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.0	10.6
80	9.9	7.9	11.9

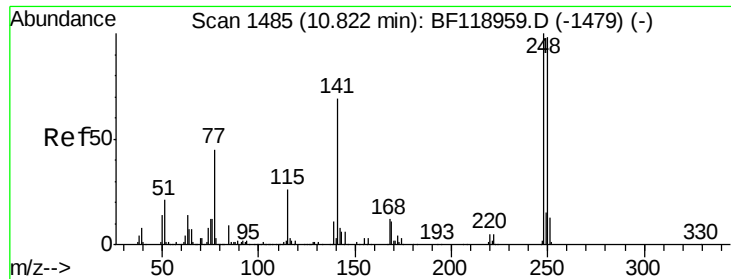


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

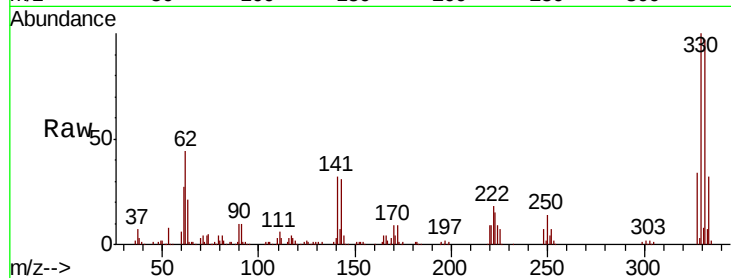




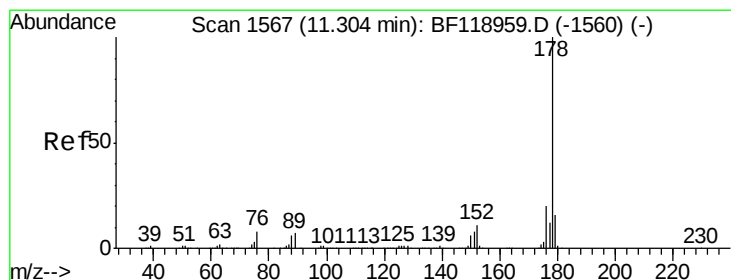
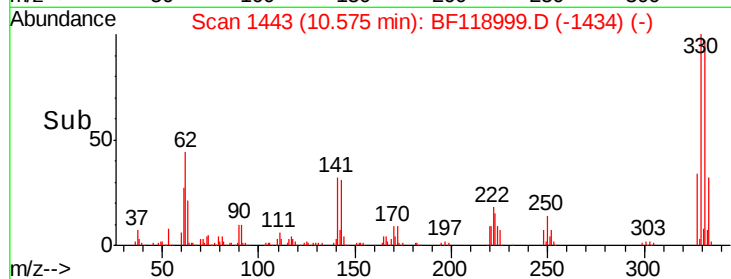
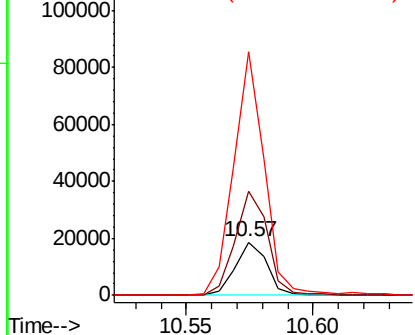
#67
 4-Bromophenyl-phenylether
 Concen: 3.123 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.25 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16116
 Ion Ratio Lower Upper
 248 100
 250 194.1 78.8 118.2#
 141 456.5 55.3 82.9#

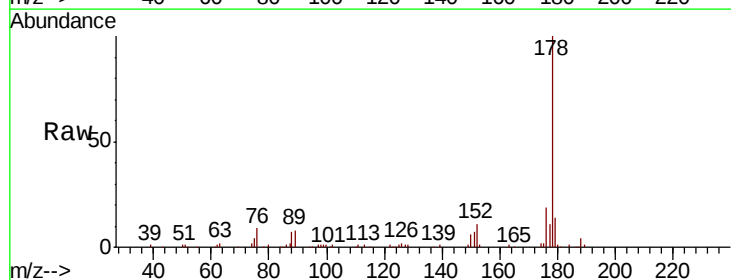


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

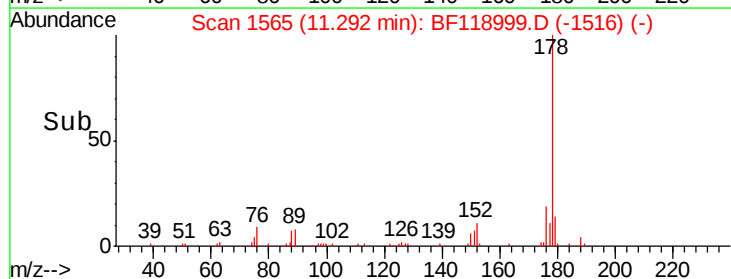
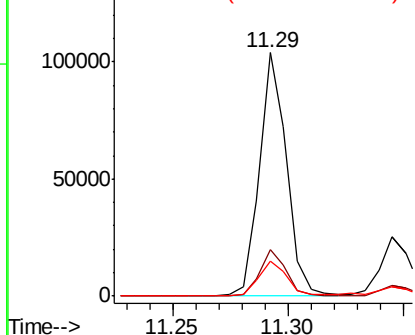


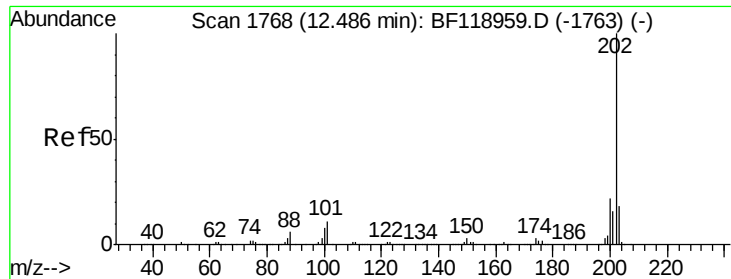
#71
 Phenanthrene
 Concen: 3.955 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Tgt Ion:178 Resp: 85156
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.6 23.4
 179 14.3 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: 11.924 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Instrument :

BNA_F

ClientSampleId :

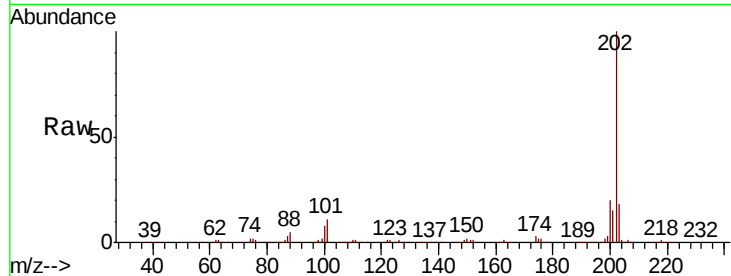
Tot Ion:202 Resp: 272532

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.1

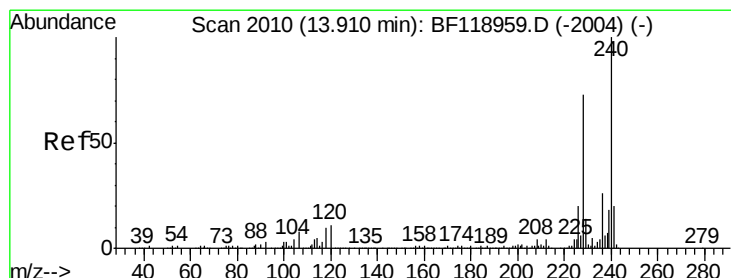
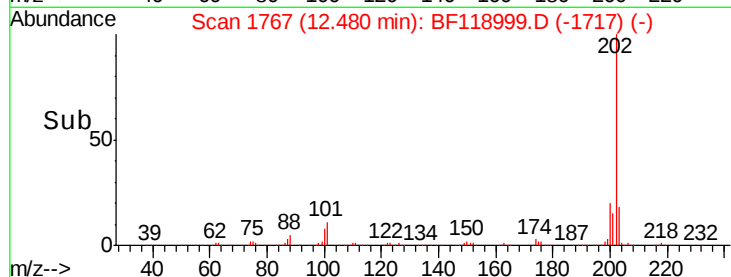
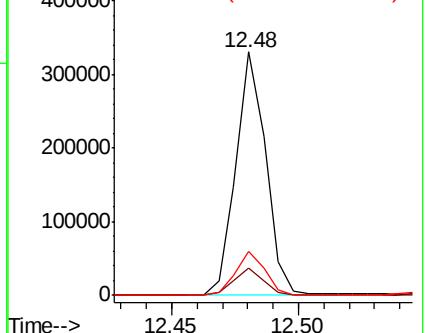
203 17.9 0.0 38.1



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# 2009

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

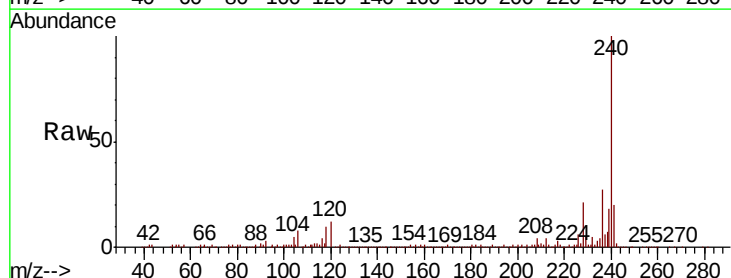
Tgt Ion:240 Resp: 352547

Ion Ratio Lower Upper

240 100

120 12.1 8.9 13.3

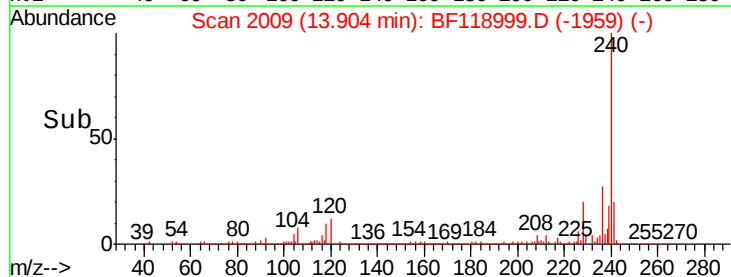
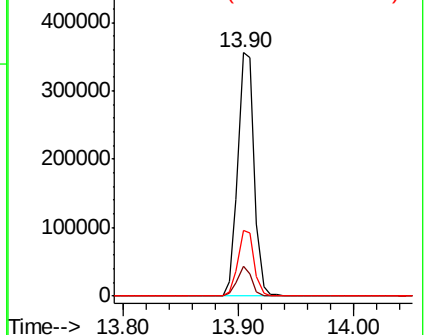
236 26.9 20.6 30.8

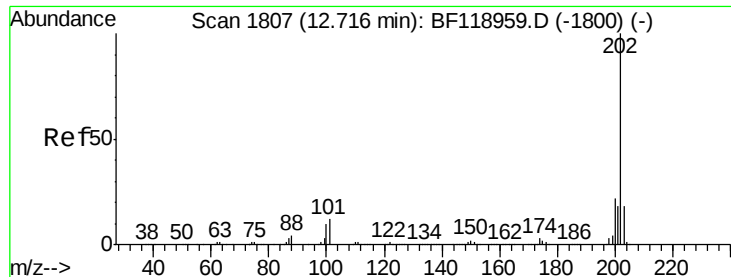


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

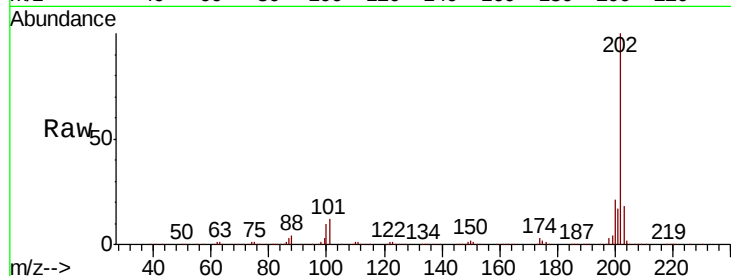




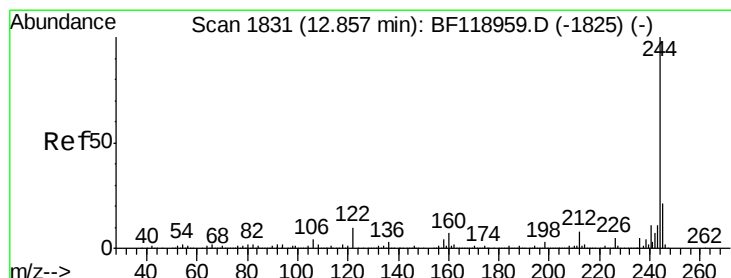
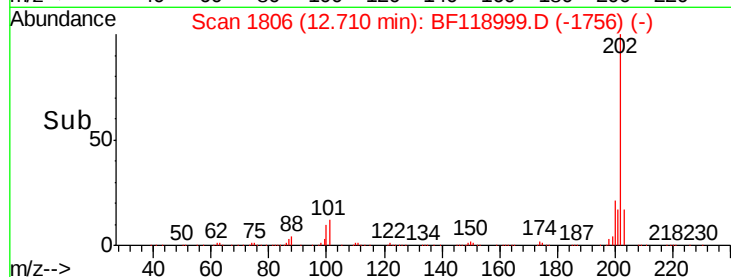
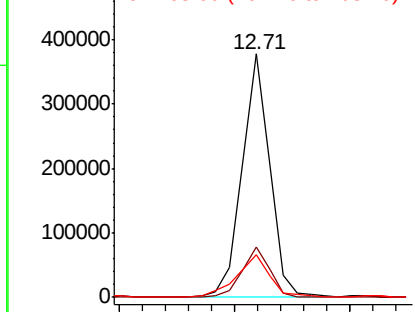
#78
Pvrene
Concen: 11.168 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 316164
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.0
203 17.7 14.5 21.7

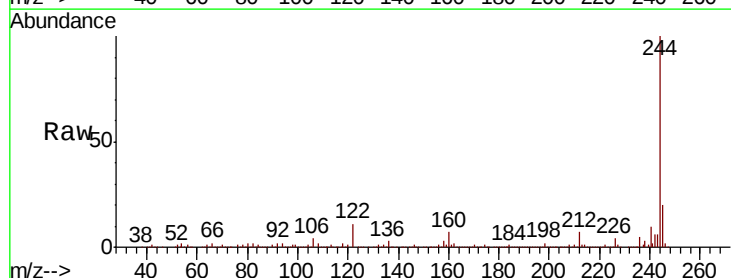


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

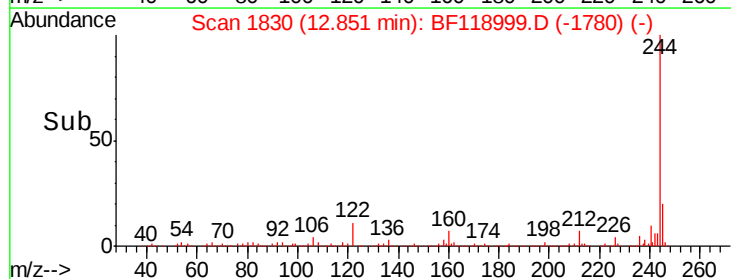
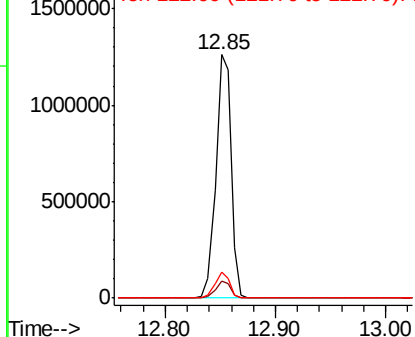


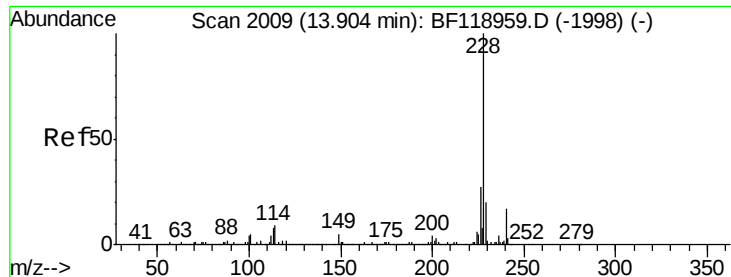
#79
Terphenyl-d14
Concen: 58.791 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion:244 Resp: 1203859
Ion Ratio Lower Upper
244 100
212 7.0 6.3 9.5
122 10.7 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.698 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Instrument :

BNA_F

ClientSampleId :

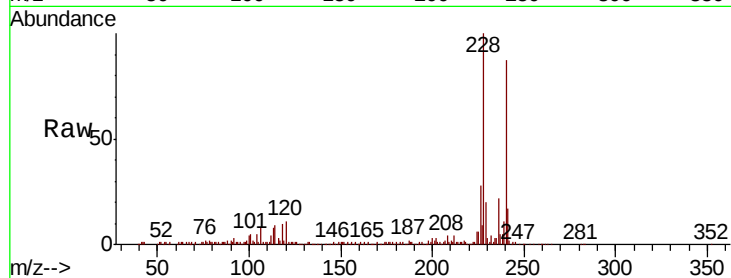
Tot Ion:228 Resp: 160889

Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.8

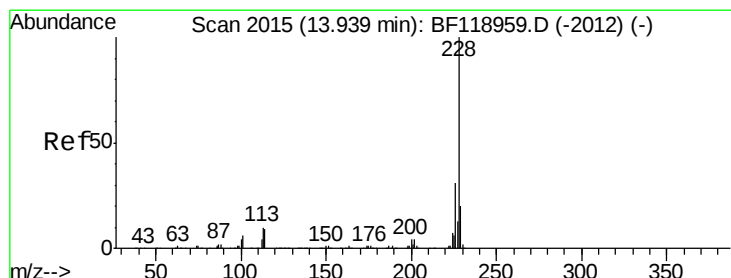
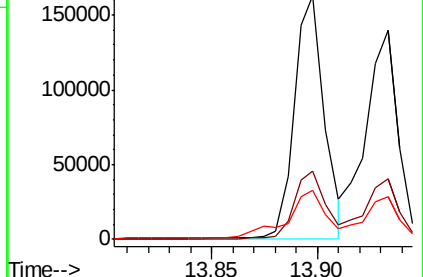
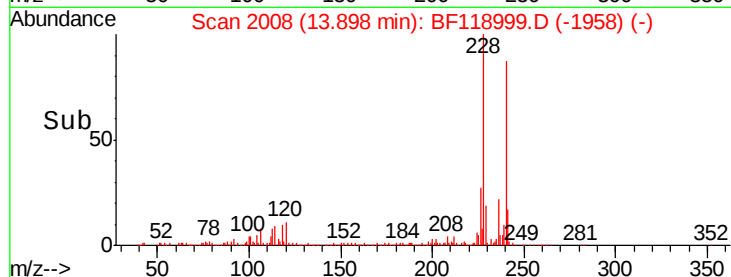
229 20.2 16.0 24.0



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: 6.253 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

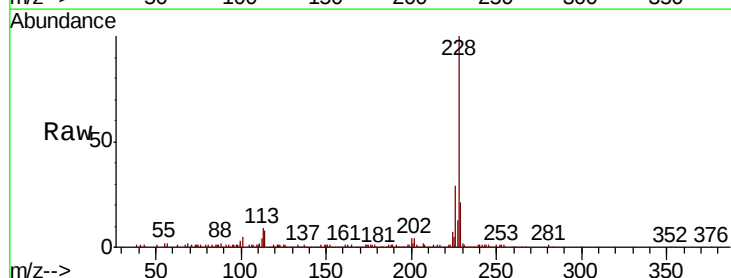
Tgt Ion:228 Resp: 149667

Ion Ratio Lower Upper

228 100

226 29.0 24.6 37.0

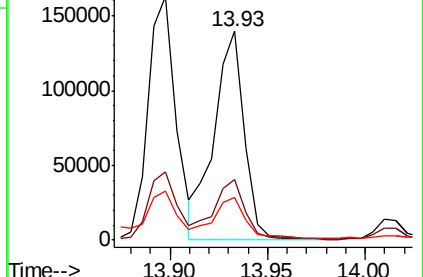
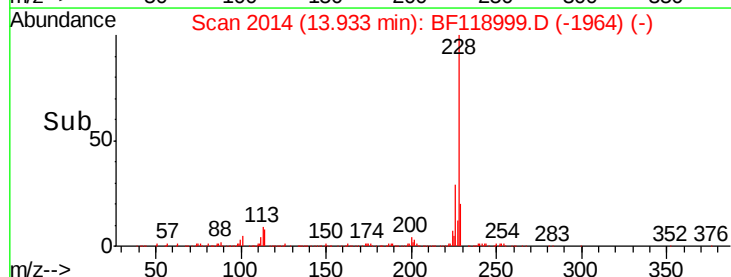
229 20.7 16.2 24.2

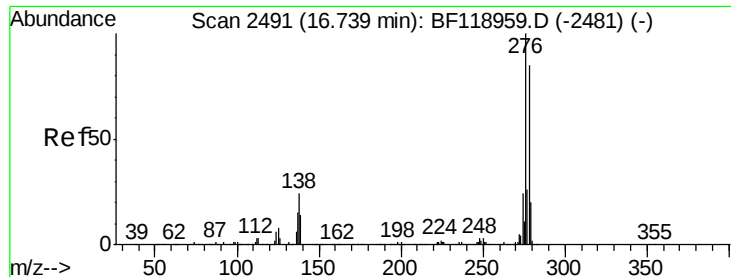


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

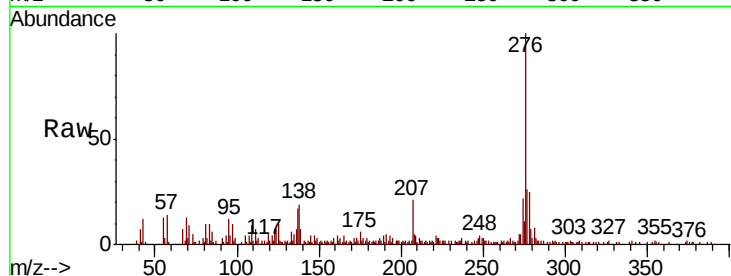




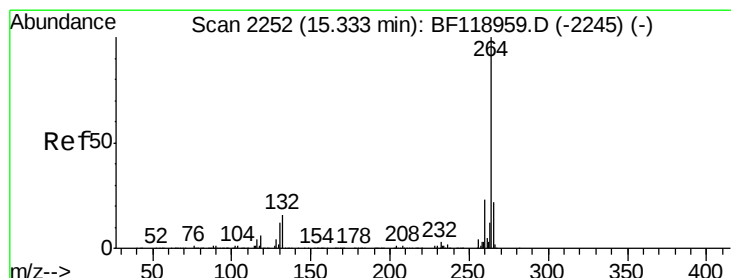
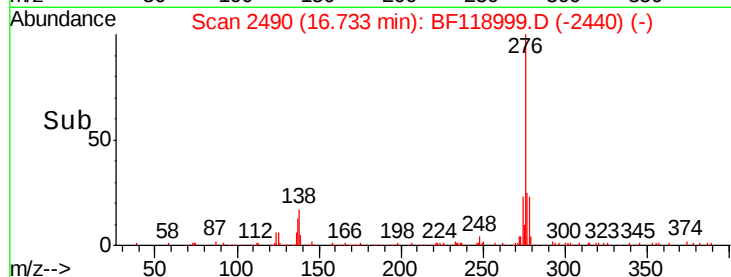
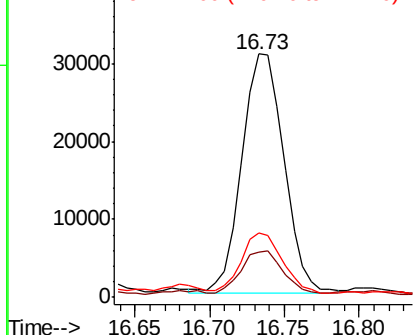
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.611 ng
 RT: 16.73 min Scan# 2490
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 60501
 Ion Ratio Lower Upper
 276 100
 138 18.6 18.7 28.1#
 277 24.3 20.3 30.5

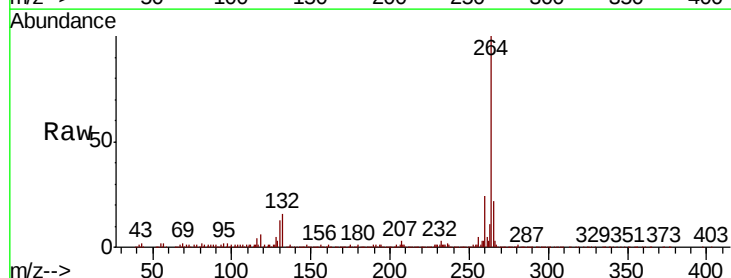


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

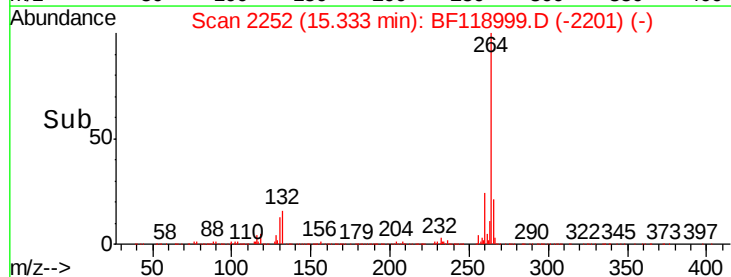
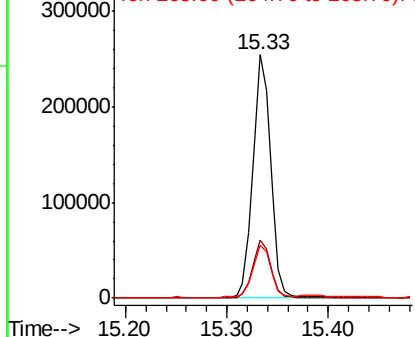


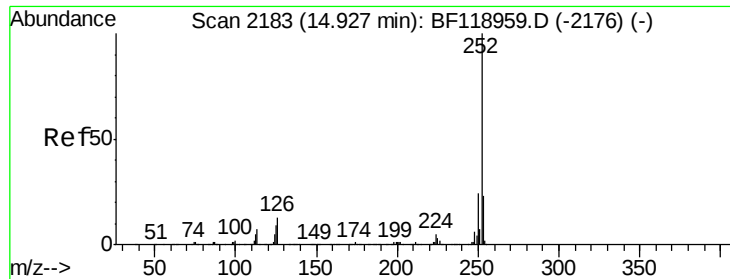
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Tgt Ion:264 Resp: 313919
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.6 28.0
 265 21.6 17.3 25.9



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

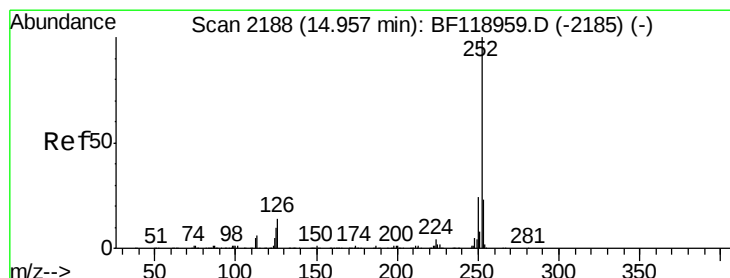
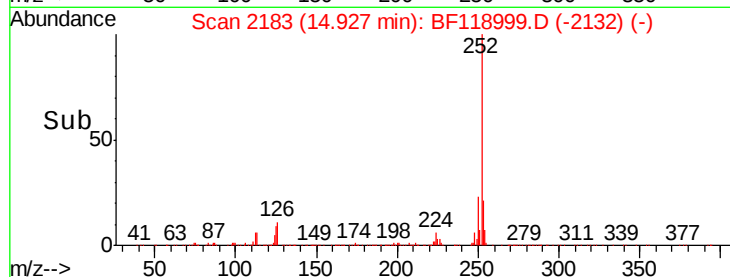
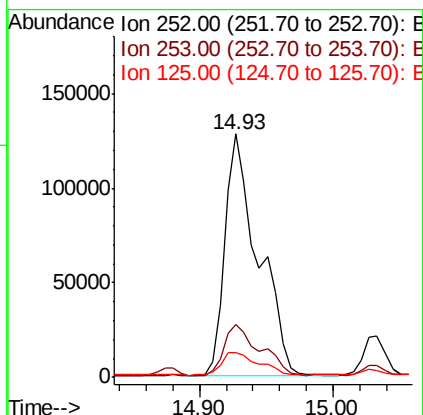
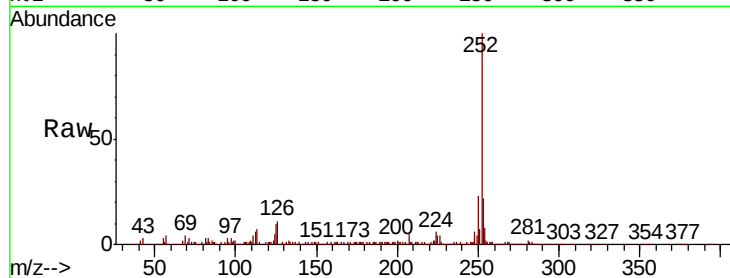




#88
Benzo(b)fluoranthene
Concen: 10.847 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

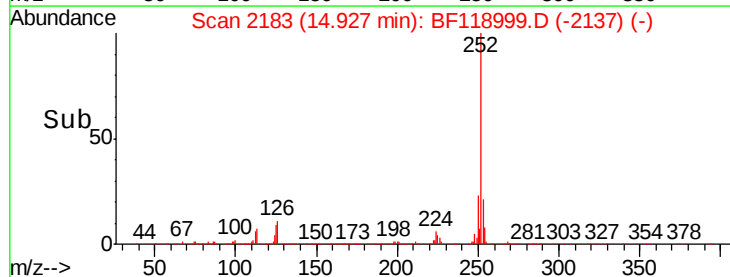
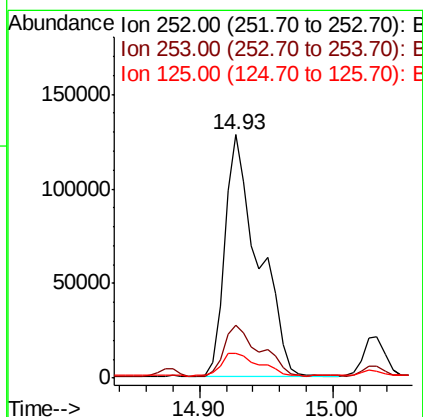
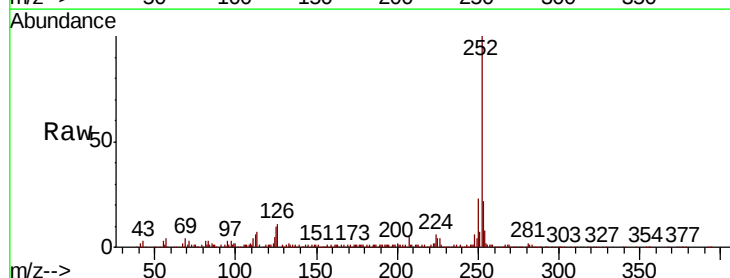
Instrument :
BNA_F
ClientSampleId :

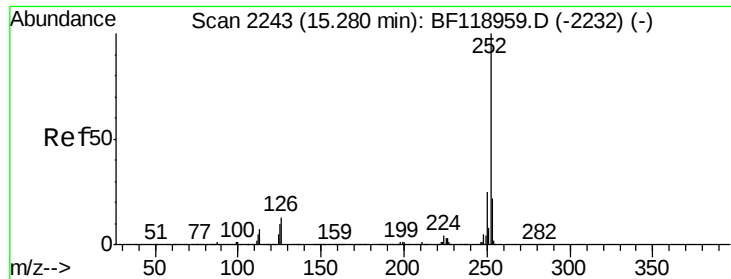
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	10.2	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 11.704 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	10.2	7.3	10.9





#90
 Benzo(a)pyrene
 Concen: 6.400 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	11.0	7.8	11.6

