

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021420\
 Data File : BF118939.D
 Acq On : 14 Feb 2020 18:46
 Operator : CG/JU
 Sample : L1528-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 03:37:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	192603	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	716066	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	369308	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	586493	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	528022	20.00	ng	-0.05
87) Perylene-d12	15.36	264	472755	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1329076	130.62	ng	-0.03
7) Phenol-d6	6.42	99	1242895	98.40	ng	-0.04
23) Nitrobenzene-d5	7.34	82	801897	66.75	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	367844	83.24	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	1499435	72.58	ng	-0.05
79) Terphenyl-d14	12.87	244	1675315	65.17	ng	-0.05

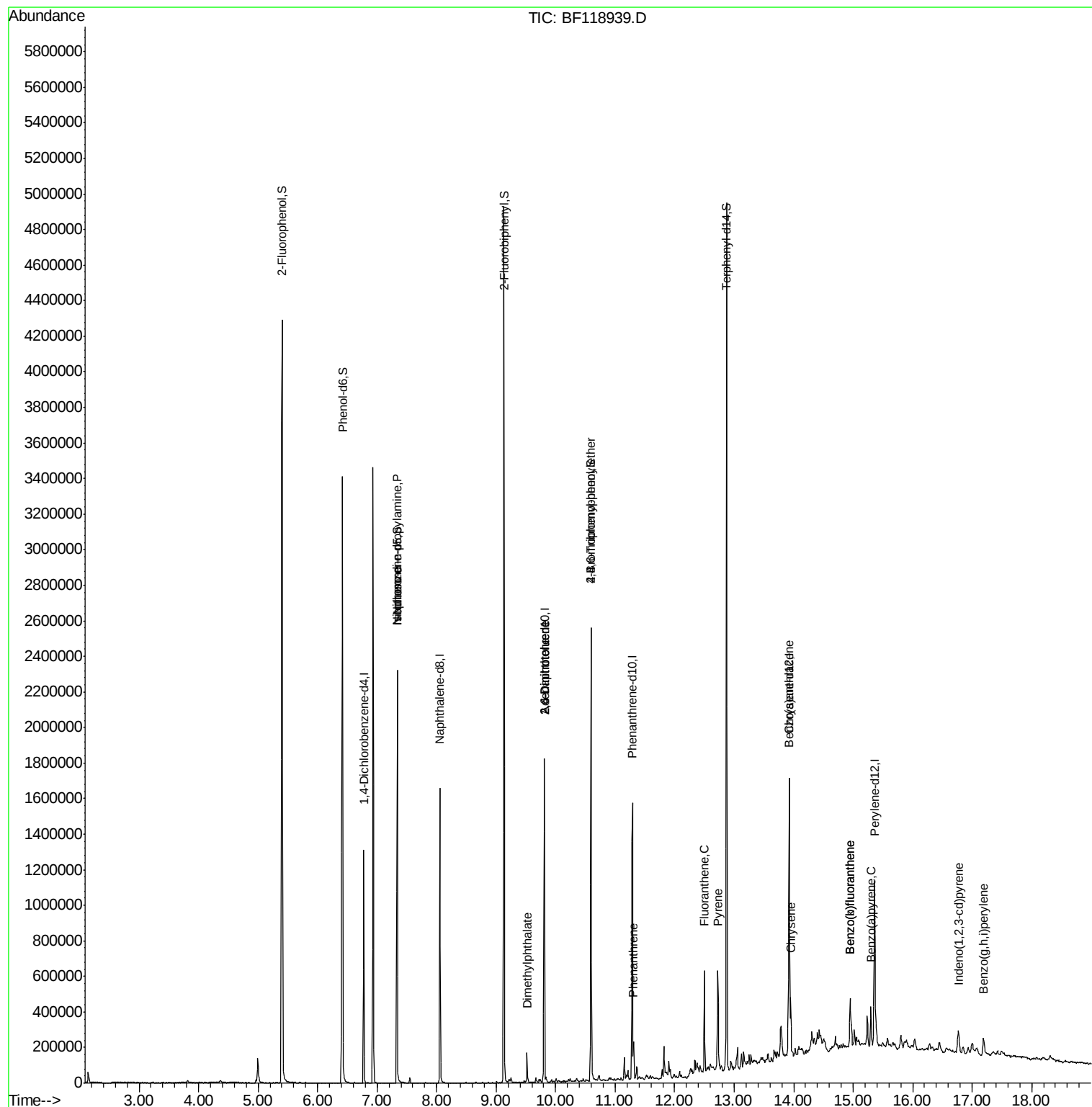
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	364	Below Cal		# 33
19) n-Nitroso-di-n-propylamine	7.34	70	108534	14.044	ng	# 76
25) Isophorone	7.34	82	801981	37.144	ng	# 63
50) Dimethylphthalate	9.52	163	62264	2.476	ng	98
51) 2,6-Dinitrotoluene	9.81	165	47011	8.170	ng	# 30
57) 2,4-Dinitrotoluene	9.81	165	47011	6.174	ng	# 34
67) 4-Bromophenyl-phenylether	10.60	248	23382	3.370	ng	# 1
71) Phenanthrene	11.32	178	81961	2.840	ng	95
75) Fluoranthene	12.50	202	238073	7.556	ng	97
78) Pyrene	12.73	202	227077	6.269	ng	96
81) Benzo(a)anthracene	13.92	228	130362	4.149	ng	99
83) Chrysene	13.95	228	123073	3.903	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	81170	2.562	ng	95
88) Benzo(b)fluoranthene	14.95	252	200020	6.818	ng	100
89) Benzo(k)fluoranthene	14.95	252	200020	7.830	ng	98
90) Benzo(a)pyrene	15.30	252	107999	4.302	ng	99
92) Benzo(a,h,i)perylene	17.19	276	79867	3.726	ng	99

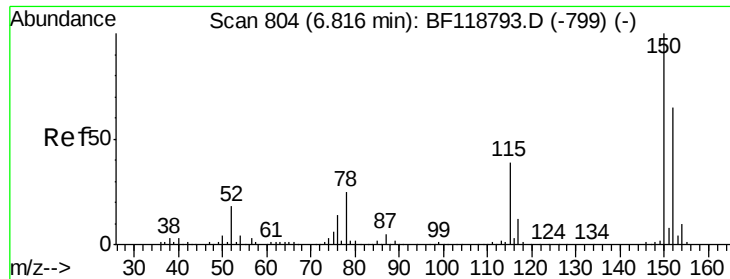
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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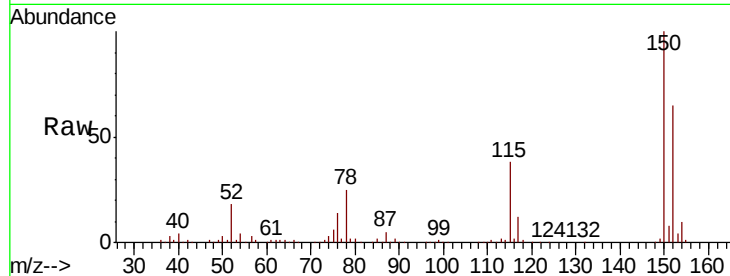


#1

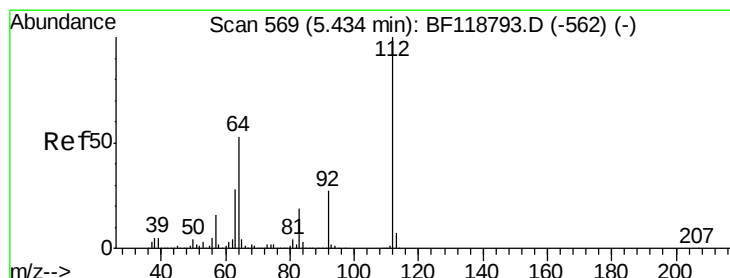
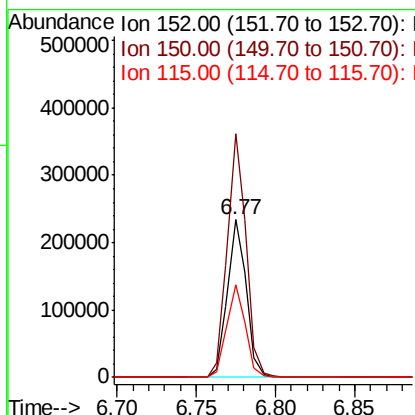
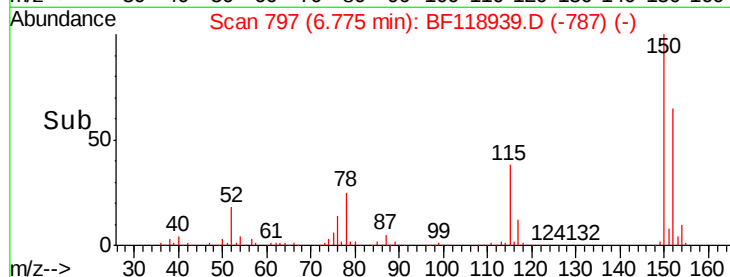
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.04 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 192603
 Ion Ratio Lower Upper
 152 100
 150 154.3 123.6 185.4
 115 58.9 48.2 72.2



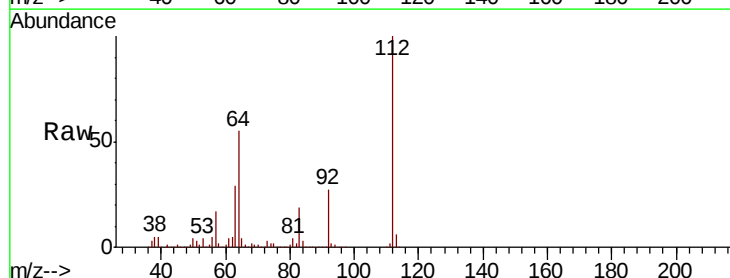
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



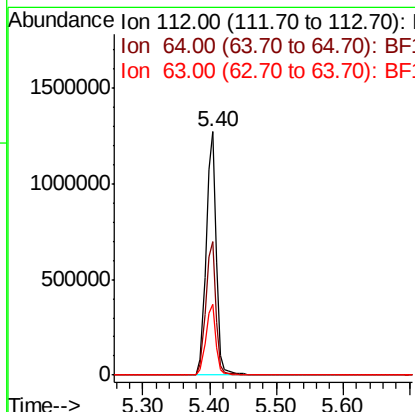
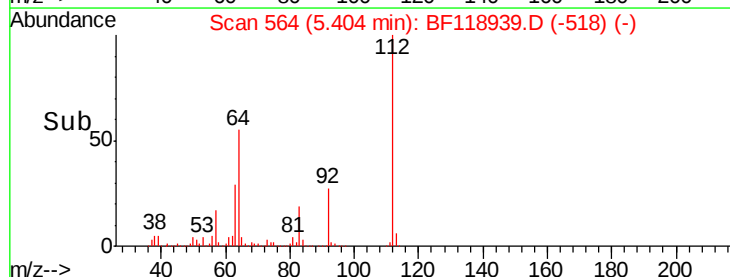
#5

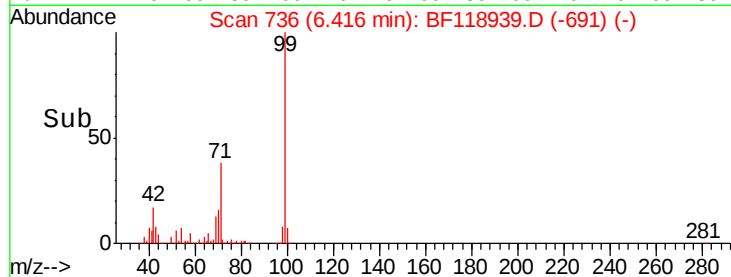
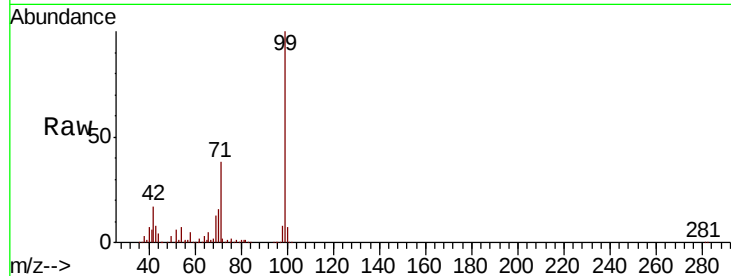
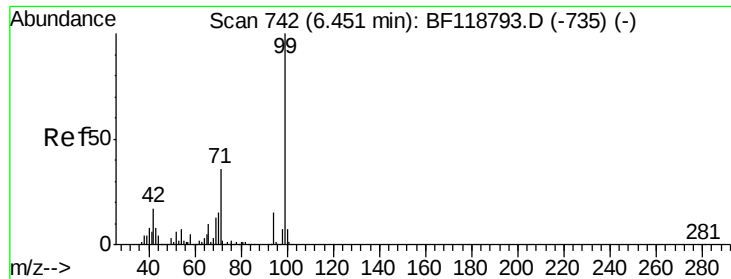
2-Fluorophenol
 Concen: 130.623 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Tgt Ion:112 Resp: 1329076
 Ion Ratio Lower Upper
 112 100
 64 55.1 42.6 63.8
 63 28.9 22.2 33.4



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: 98.403 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.04 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

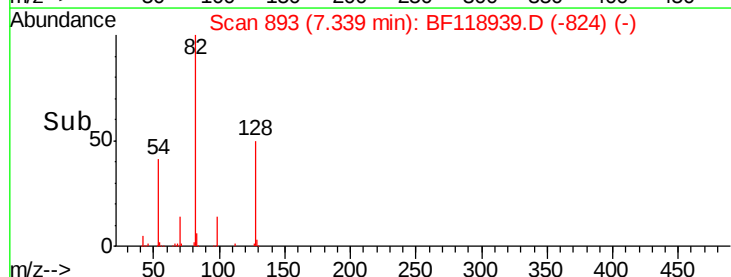
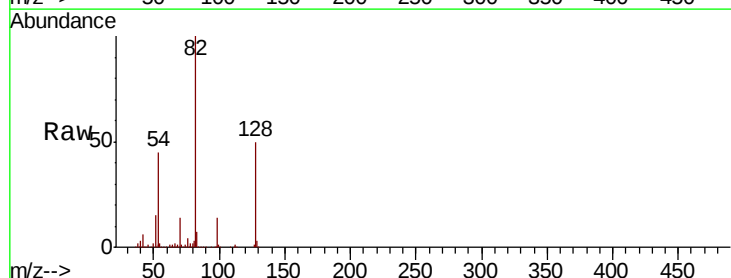
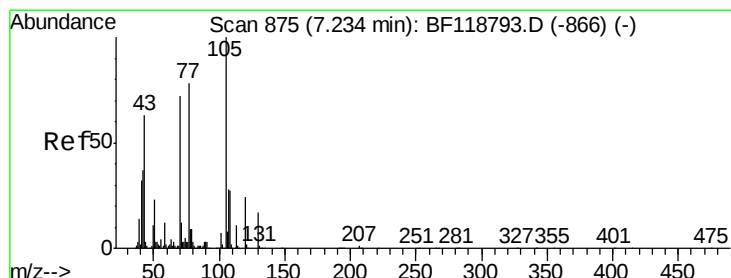
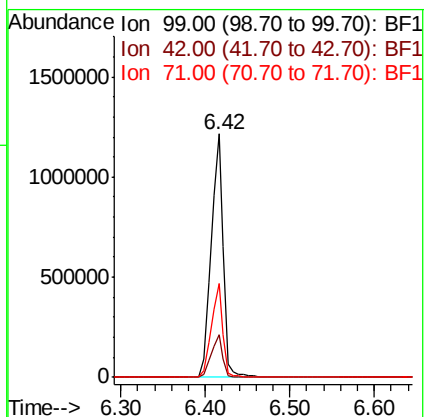
Tot Ion: 99 Resp: 1242895

Ion Ratio Lower Upper

99 100

42 17.5 13.4 20.0

71 38.4 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.044 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.11 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

Tgt Ion: 70 Resp: 108534

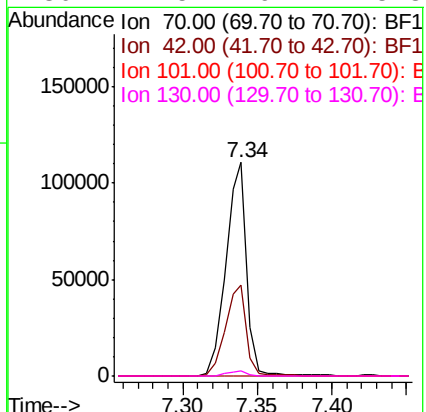
Ion Ratio Lower Upper

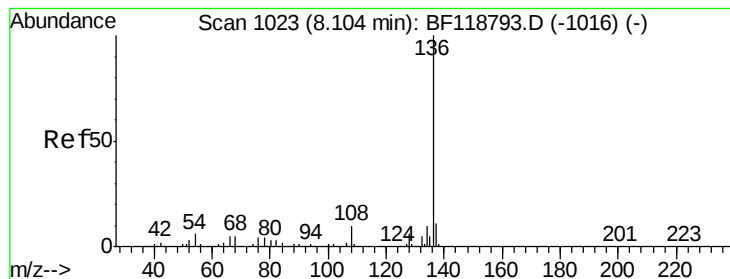
70 100

42 42.4 41.5 62.3

101 0.0 8.3 12.5#

130 2.5 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 716066

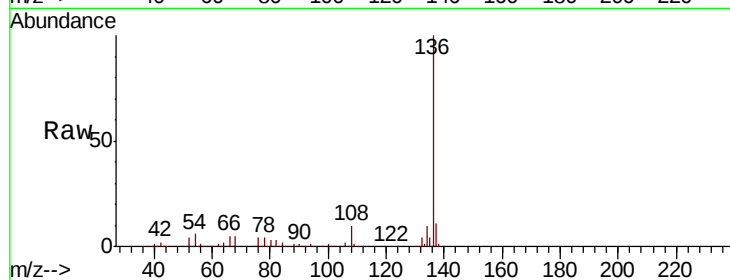
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.4 5.0 7.6

68 5.3 4.2 6.4

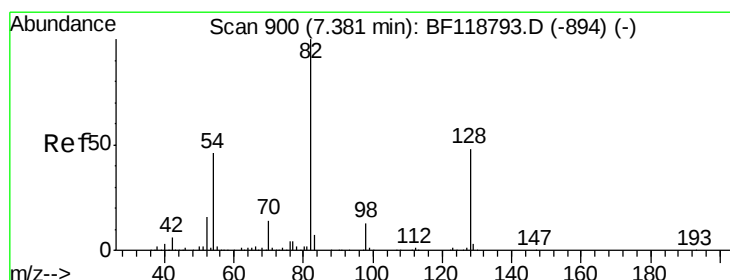
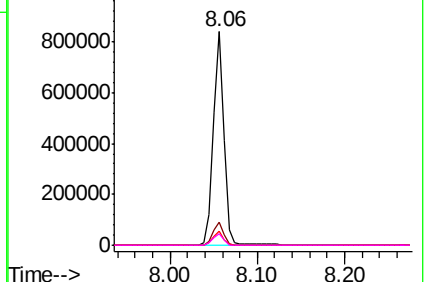
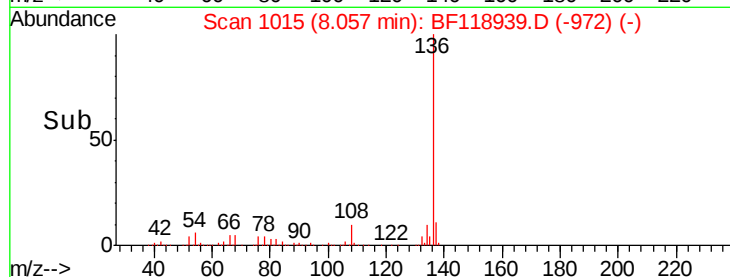


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.749 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.04 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

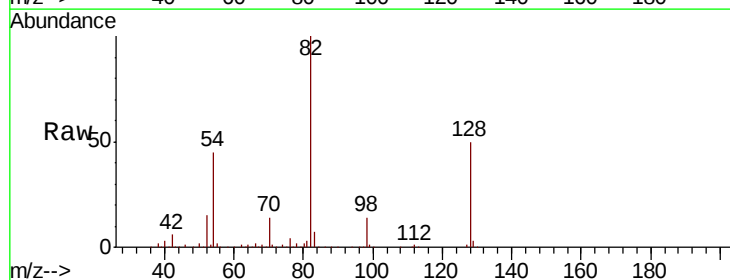
Tgt Ion: 82 Resp: 801897

Ion Ratio Lower Upper

82 100

128 49.5 38.5 57.7

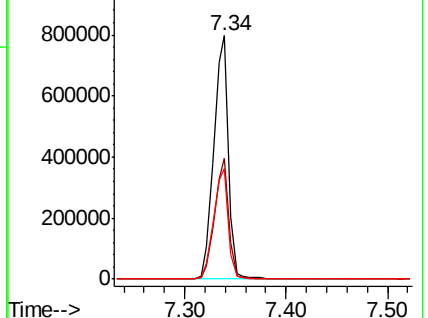
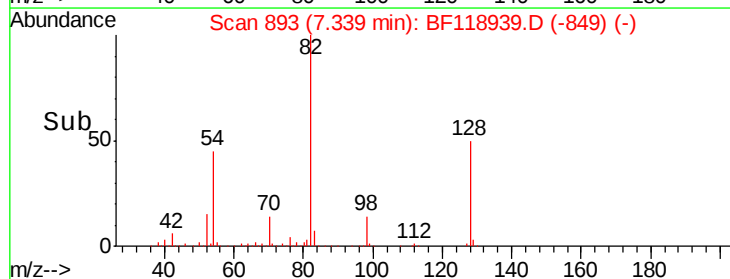
54 45.2 36.7 55.1

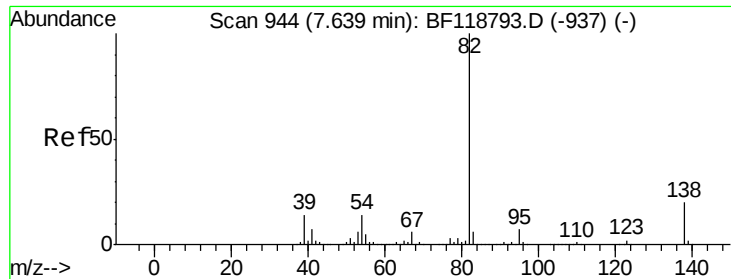


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.144 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.30 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

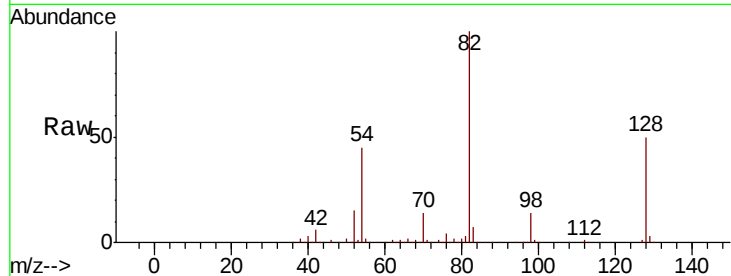
Tot Ion: 82 Resp: 801981

Ion Ratio Lower Upper

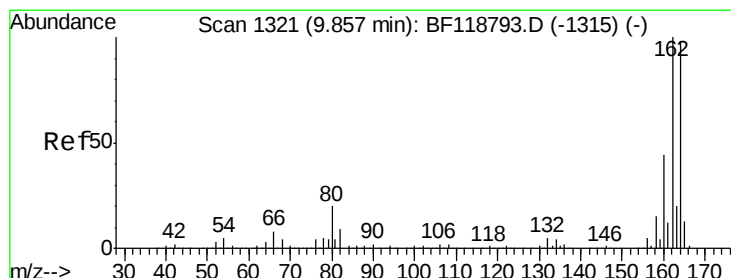
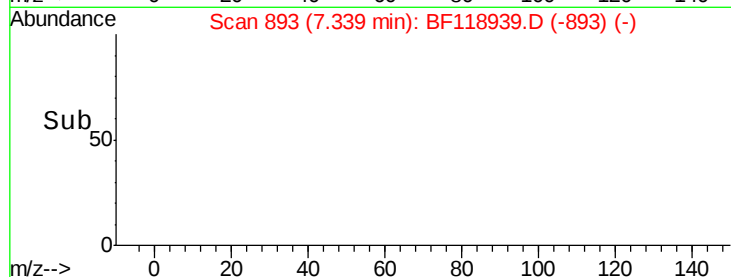
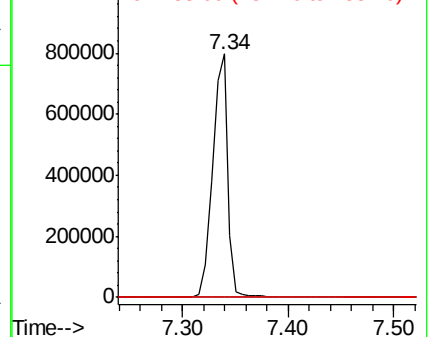
82 100

95 0.0 6.0 9.0#

138 0.0 15.7 23.5#



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: 9.81 min Scan# 1313

Delta R.T. -0.05 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

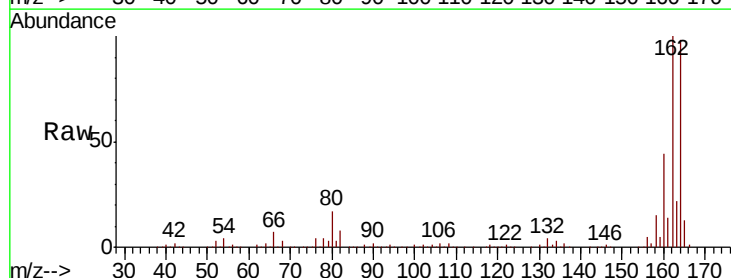
Tgt Ion: 164 Resp: 369308

Ion Ratio Lower Upper

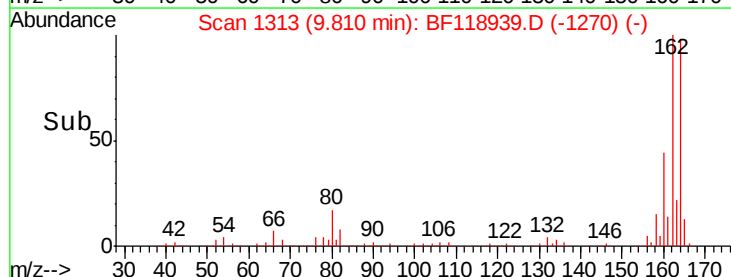
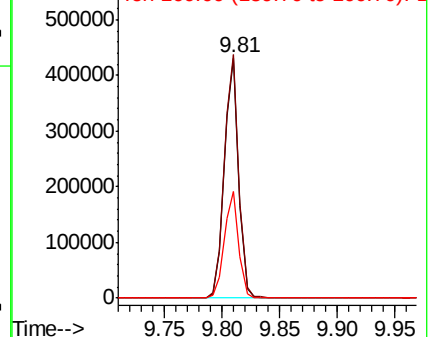
164 100

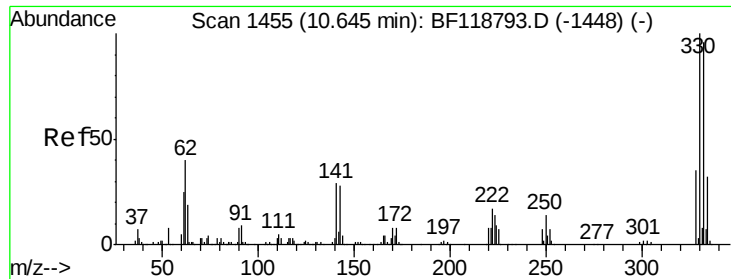
162 101.5 81.4 122.2

160 44.4 35.6 53.4



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

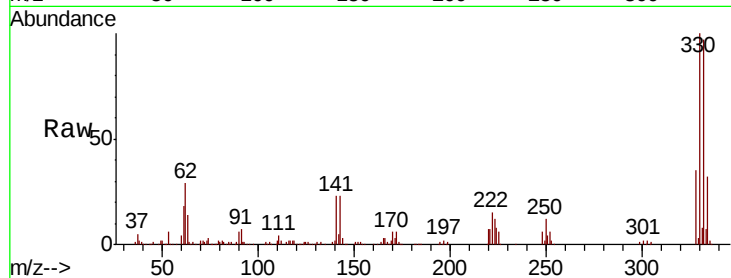




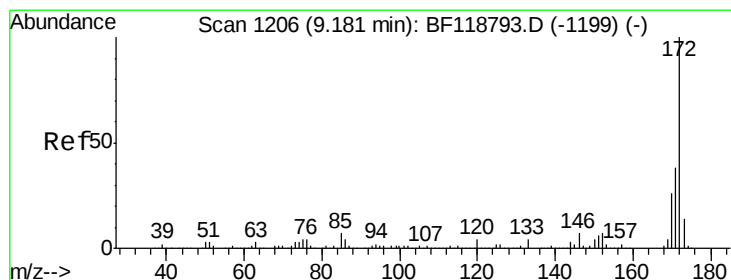
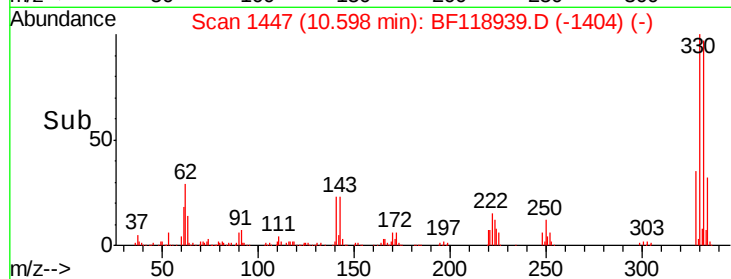
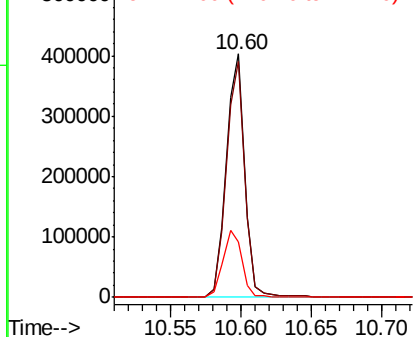
#42
 2,4,6-Tribromophenol
 Concen: 83.244 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 367844
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.3 115.9
 141 28.6 22.4 33.6

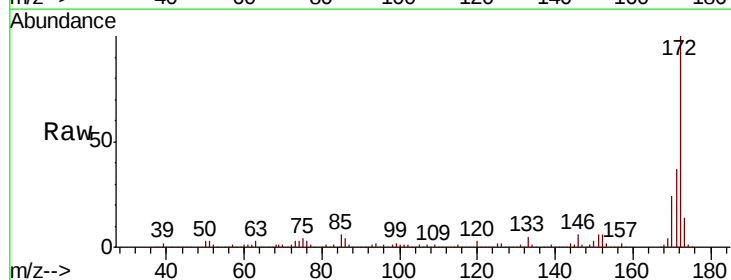


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

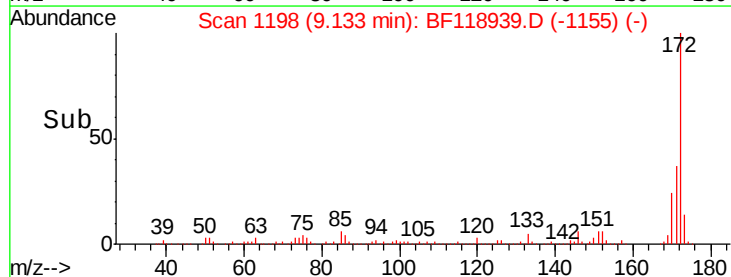
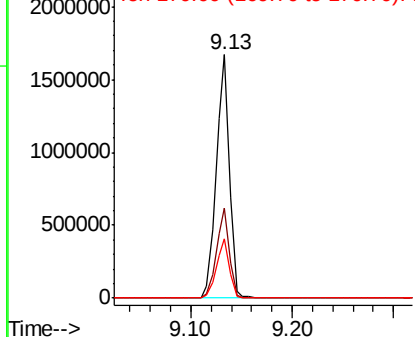


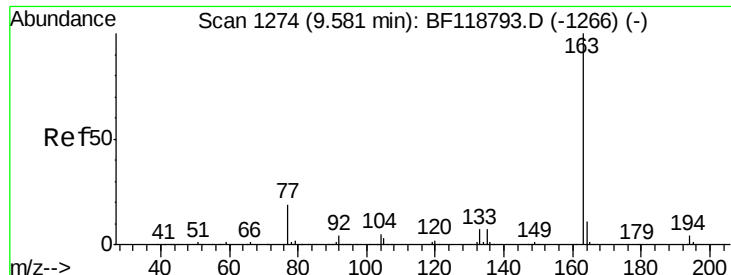
#45
 2-Fluorobiphenyl
 Concen: 72.583 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Tgt Ion:172 Resp: 1499435
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 24.4 20.5 30.7



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

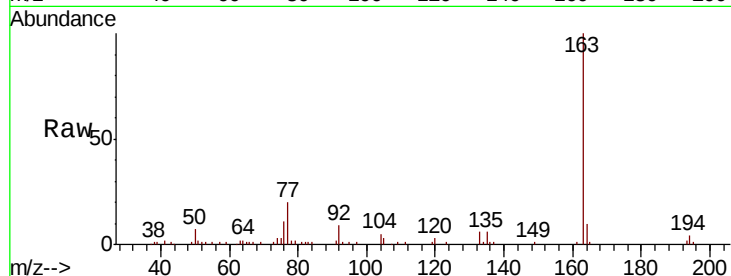




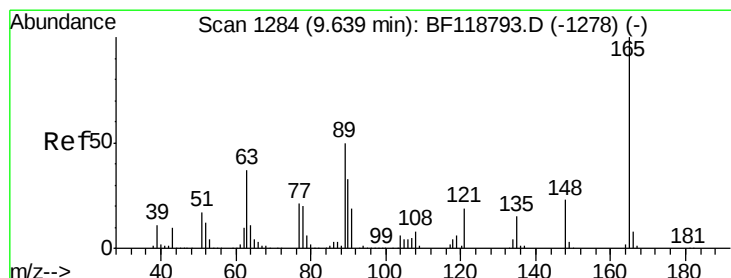
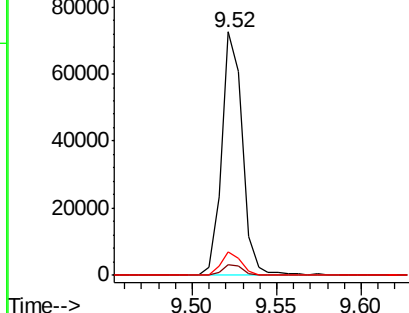
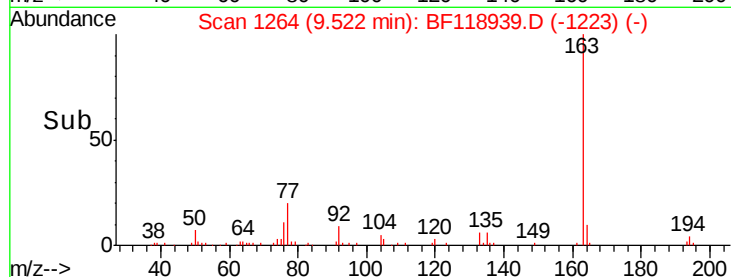
#50
Dimethylphthalate
Concen: 2.476 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.06 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 62264
Ion Ratio Lower Upper
163 100
194 4.4 3.6 5.4
164 9.6 8.7 13.1

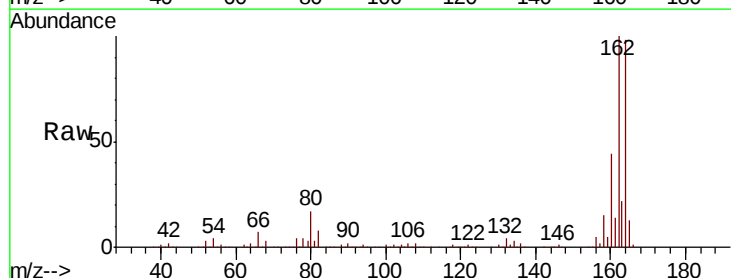


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

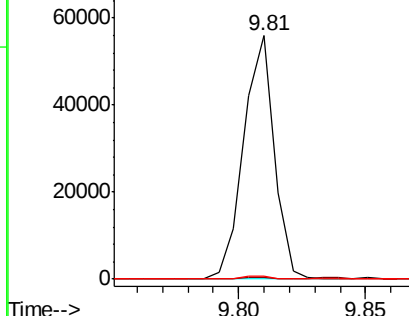
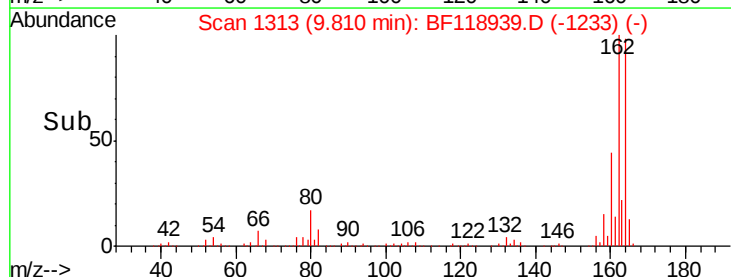


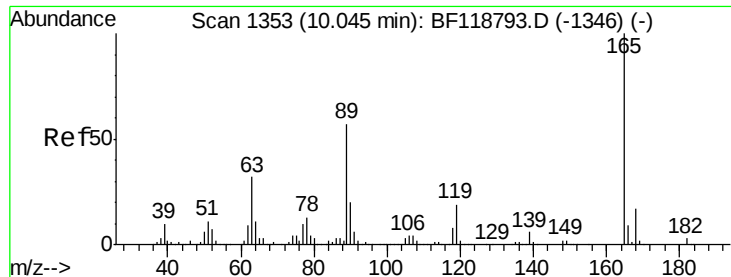
#51
2,6-Dinitrotoluene
Concen: 8.170 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.17 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion:165 Resp: 47011
Ion Ratio Lower Upper
165 100
63 0.9 37.4 56.0#
89 1.4 39.7 59.5#



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

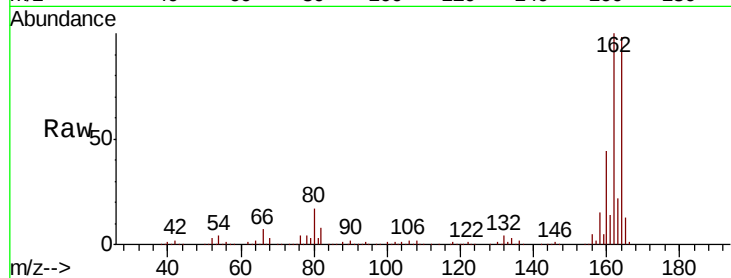




#57
2,4-Dinitrotoluene
Concen: 6.174 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.24 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	25.5	38.3#
89	1.4	45.4	68.0#
182	0.0	2.4	3.6#



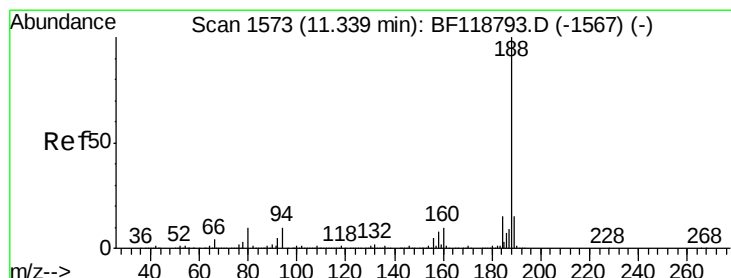
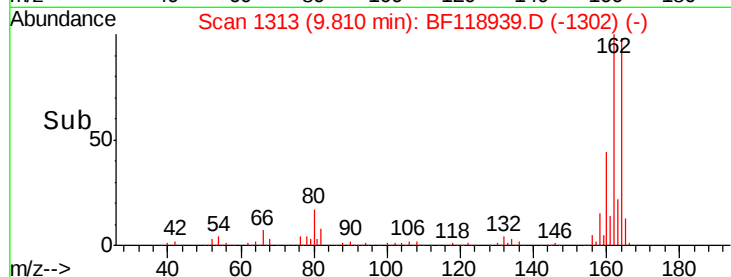
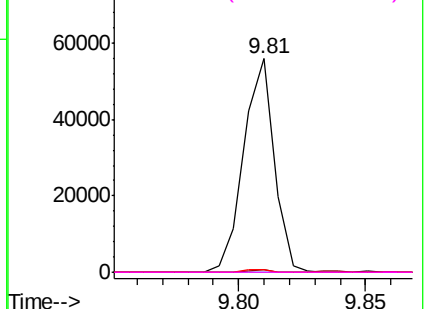
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

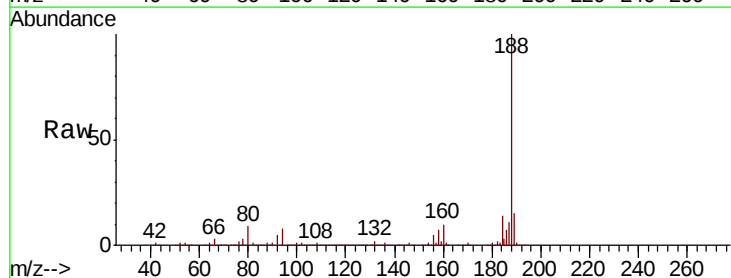
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.05 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.9	11.9
80	9.0	8.4	12.6

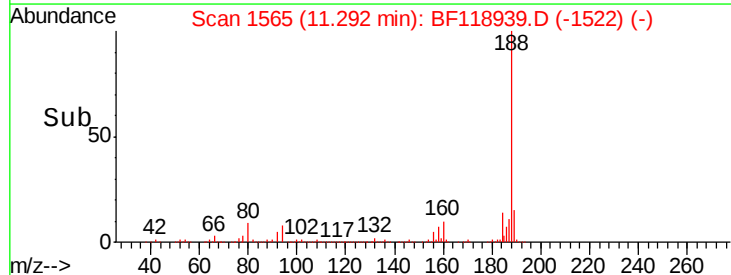
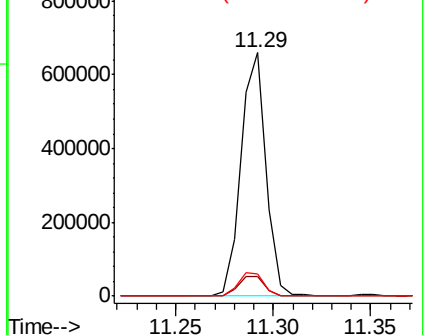


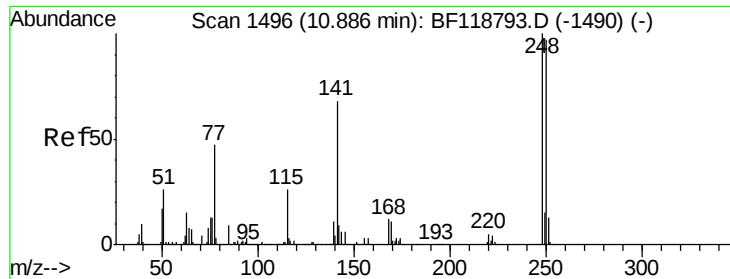
Abundance

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

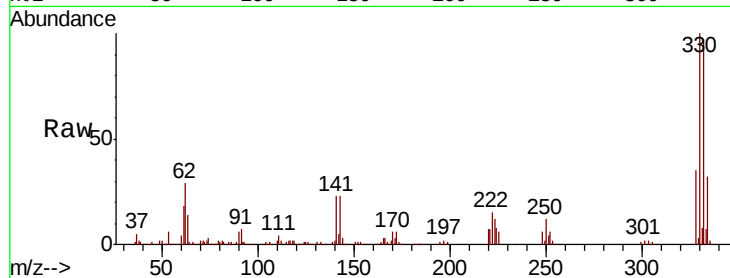




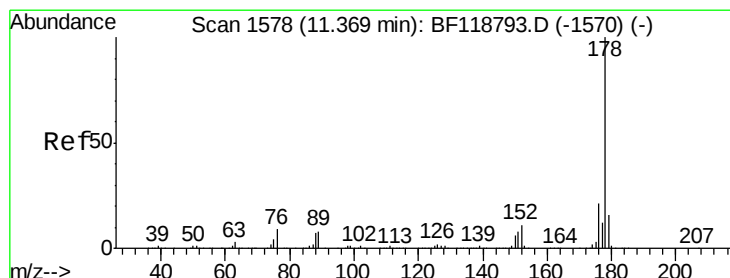
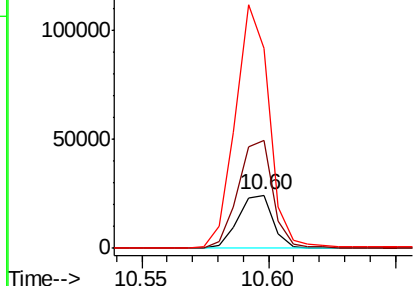
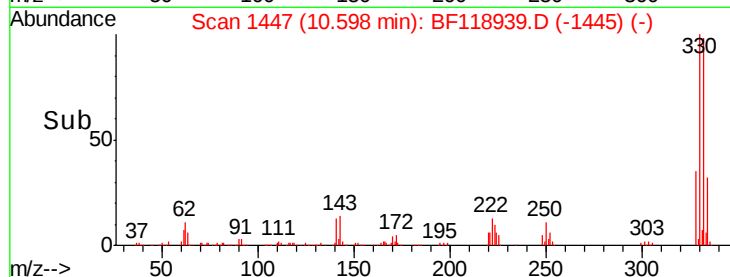
#67
 4-Bromophenyl-phenylether
 Concen: 3.370 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.29 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 23382
 Ion Ratio Lower Upper
 248 100
 250 202.9 77.6 116.4#
 141 378.0 54.4 81.6#

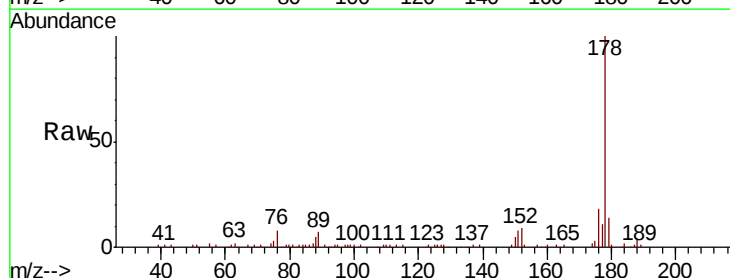


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

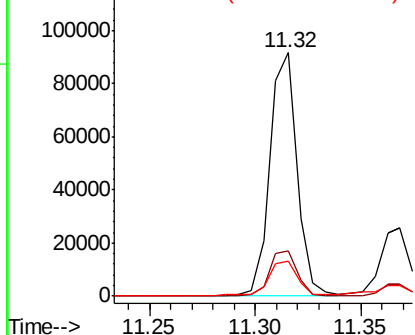
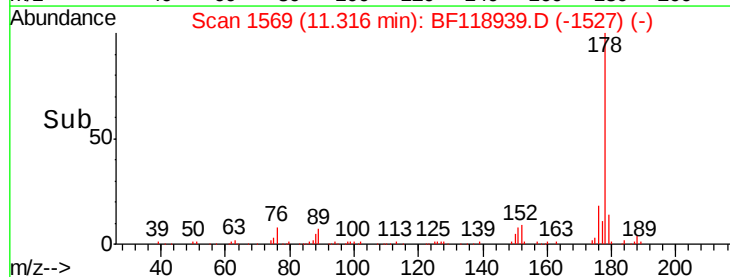


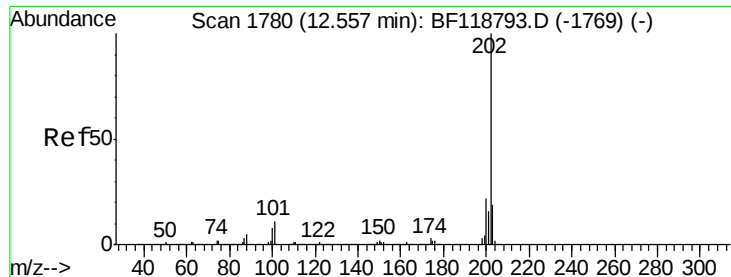
#71
 Phenanthrene
 Concen: 2.840 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.05 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Tgt Ion:178 Resp: 81961
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.6 24.8
 179 14.4 13.2 19.8



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: 7.556 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.06 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

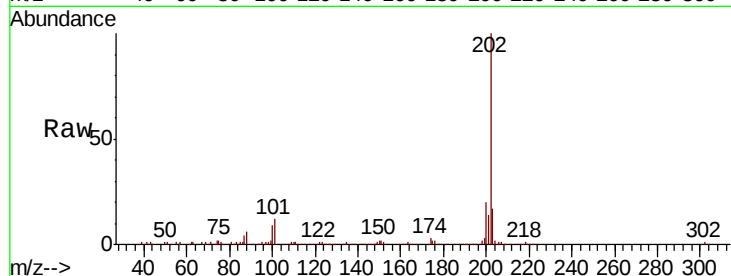
Tot Ion:202 Resp: 238073

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.0

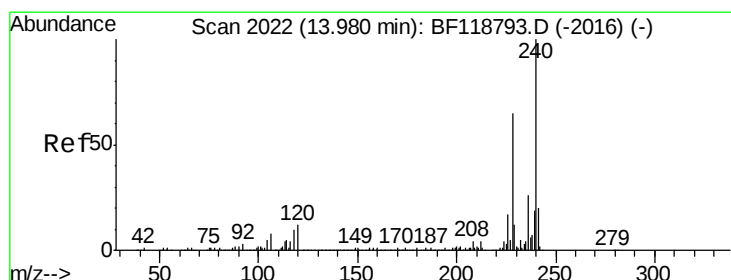
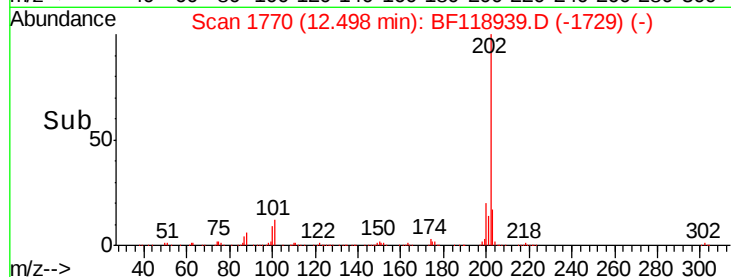
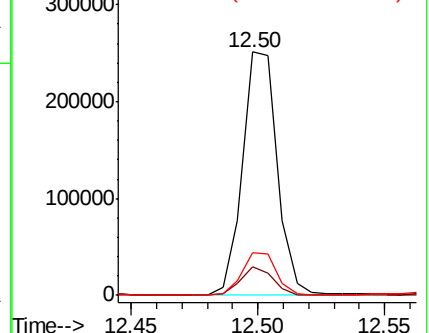
203 17.3 0.0 38.7



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: 13.93 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

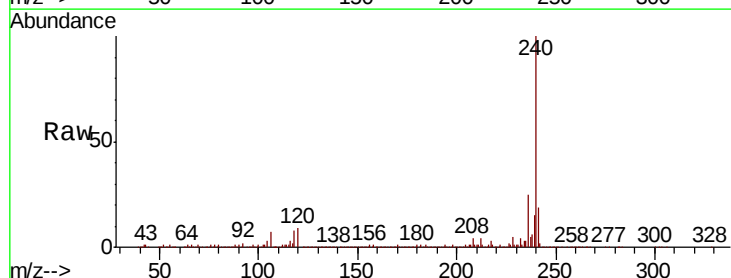
Tgt Ion:240 Resp: 528022

Ion Ratio Lower Upper

240 100

120 9.4 9.4 14.0

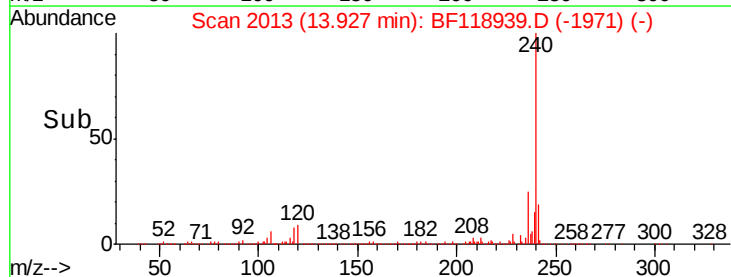
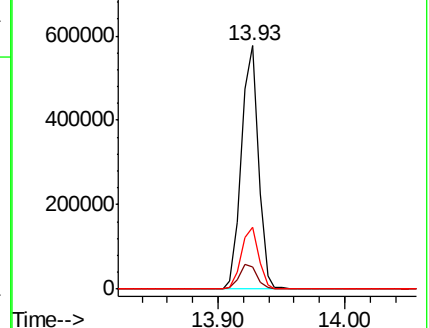
236 25.3 21.0 31.6

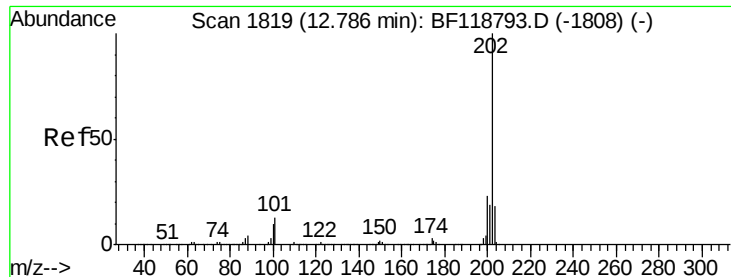


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

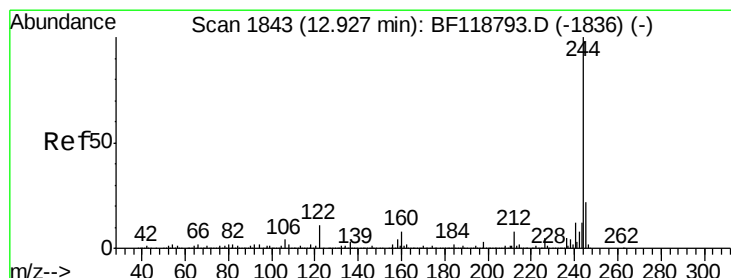
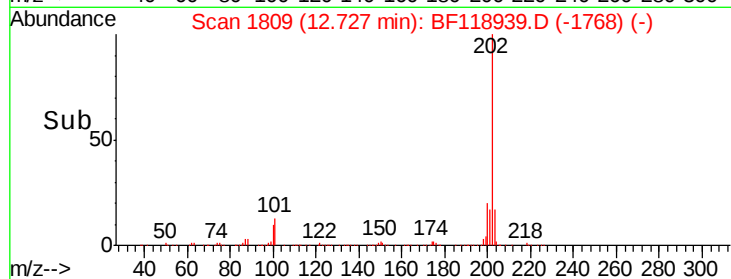
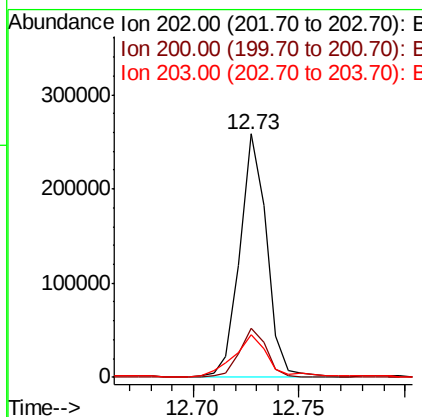
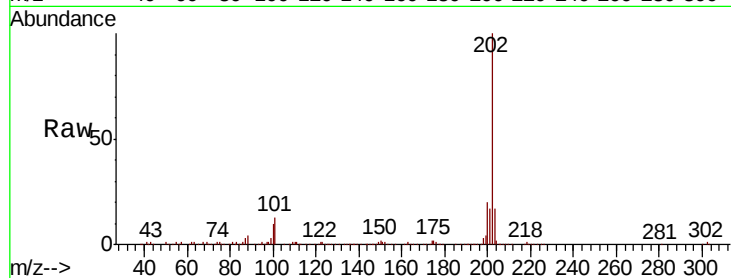




#78
Pvrene
Concen: 6.269 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.06 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

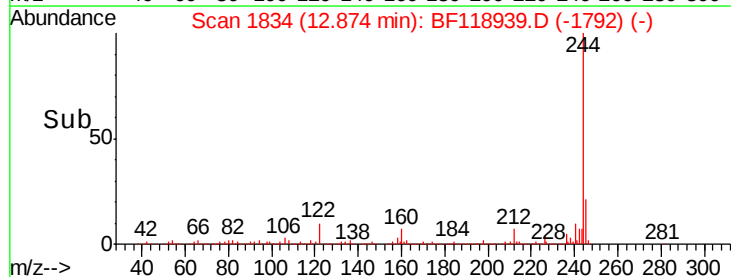
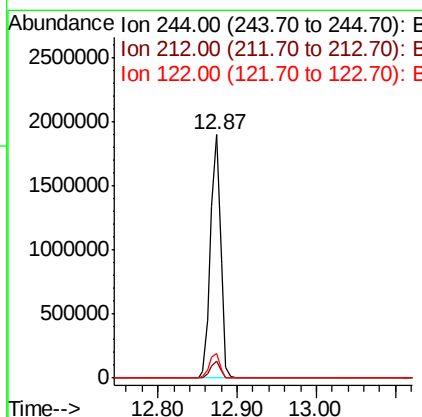
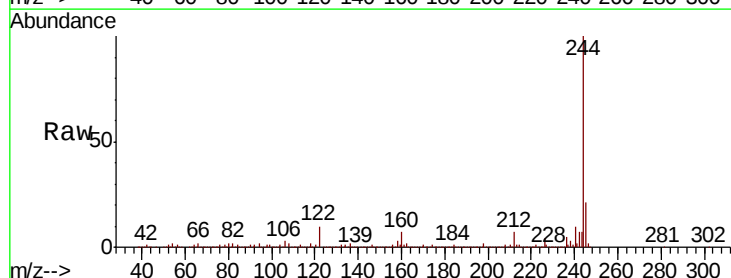
Instrument :
BNA_F
ClientSampleId :

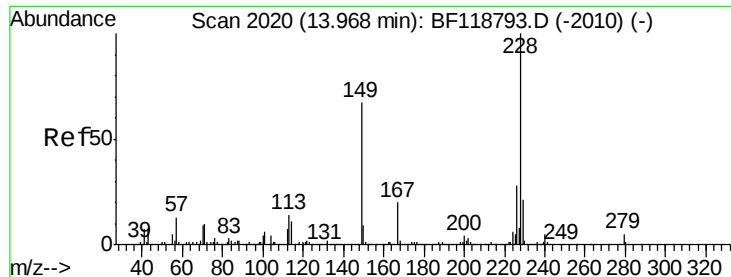
Tot Ion:202 Resp: 227077
Ion Ratio Lower Upper
202 100
200 20.4 18.2 27.2
203 17.3 14.8 22.2



#79
Terphenyl-d14
Concen: 65.171 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.05 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion:244 Resp: 1675315
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 10.1 8.9 13.3

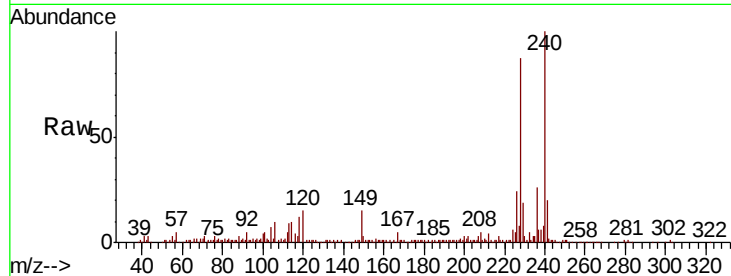




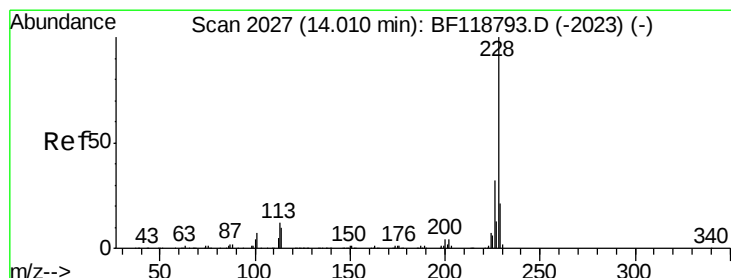
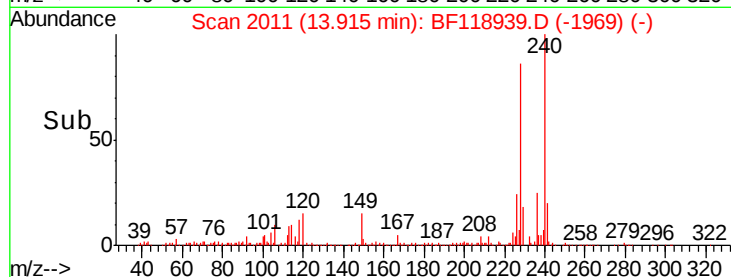
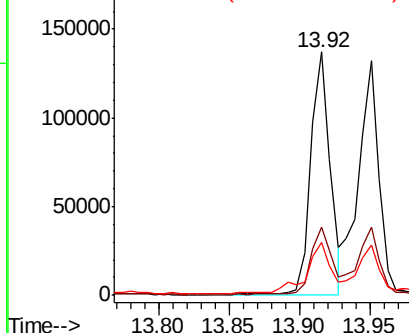
#81
Benzo(a)anthracene
Concen: 4.149 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.05 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 130362
Ion Ratio Lower Upper
228 100
226 28.2 22.7 34.1
229 21.6 16.6 25.0

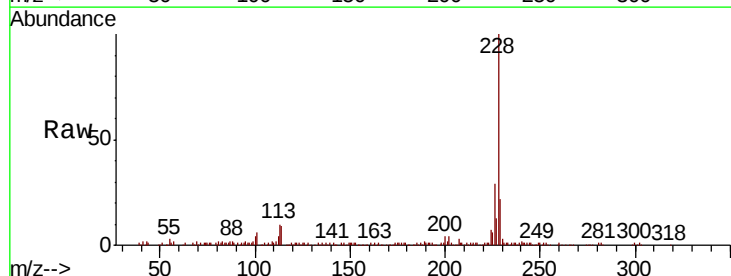


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

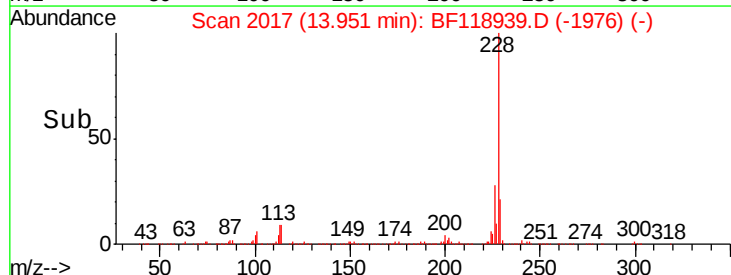
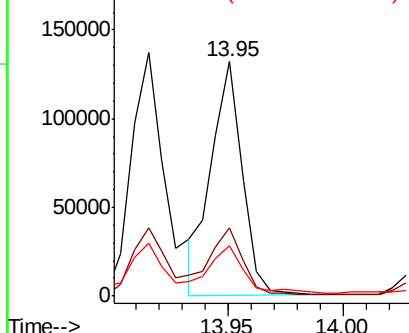


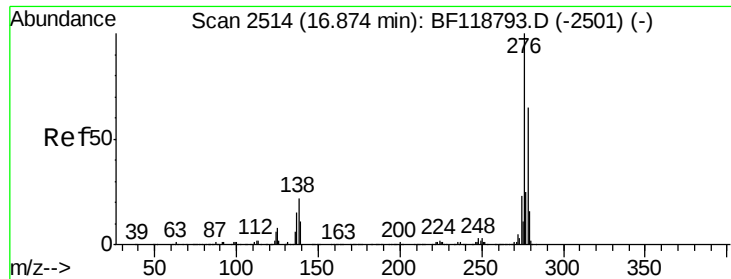
#83
Chrysene
Concen: 3.903 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.06 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion:228 Resp: 123073
Ion Ratio Lower Upper
228 100
226 29.3 25.4 38.0
229 21.6 16.9 25.3



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

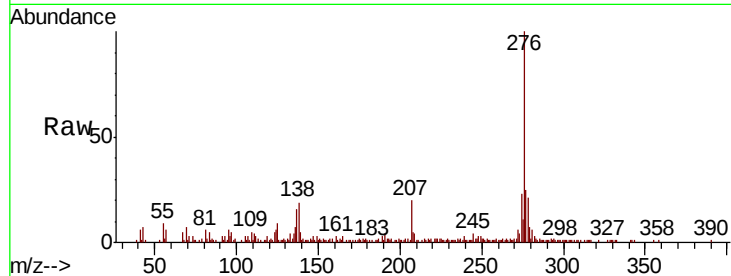




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.562 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. -0.11 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.3	27.5
277	23.5	20.2	30.4

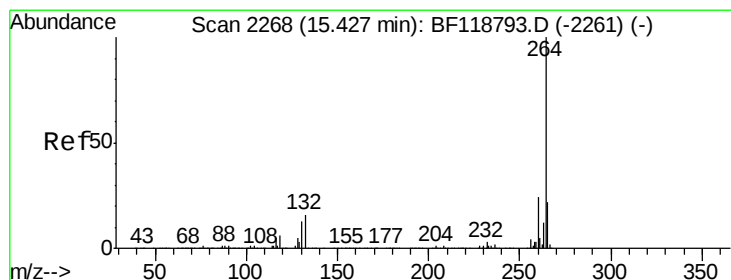
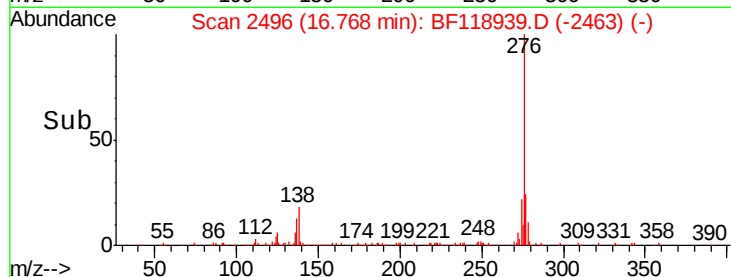
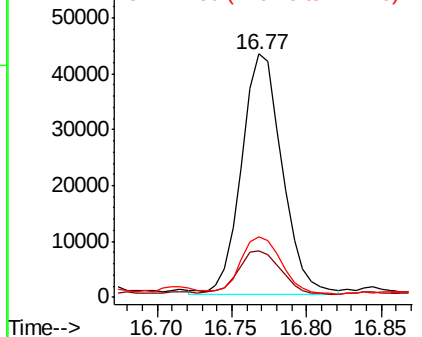


Abundance

Ion 276.00 (275.70 to 276.70): E

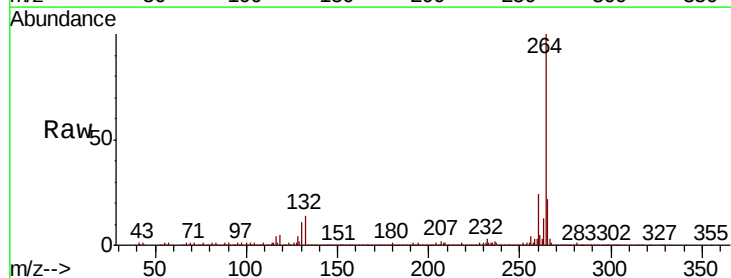
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. -0.06 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.9	17.2	25.8

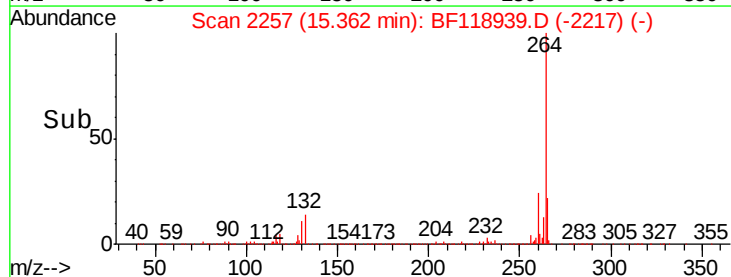
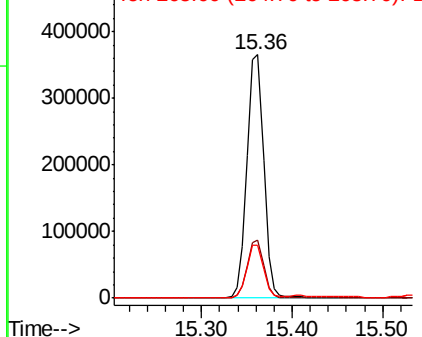


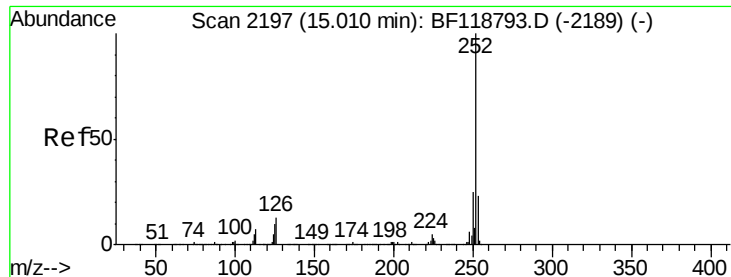
Abundance

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

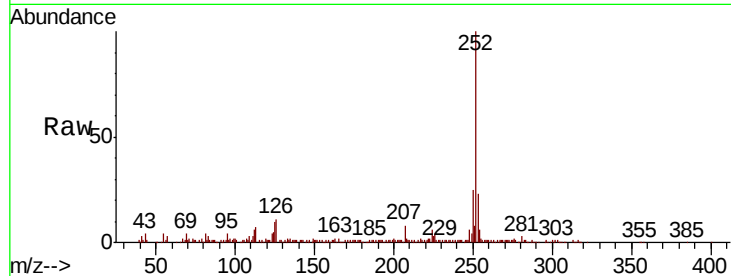




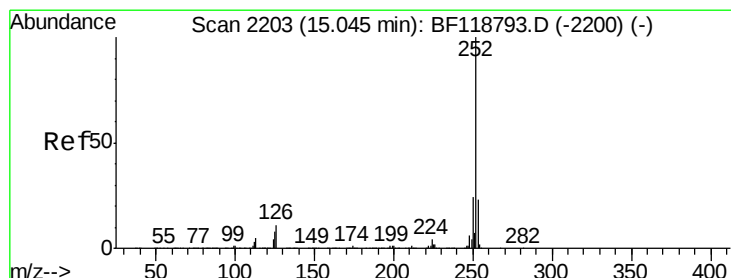
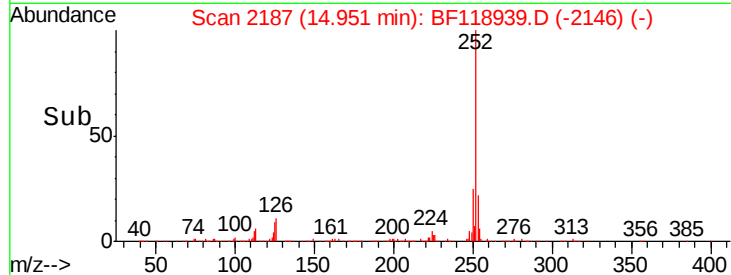
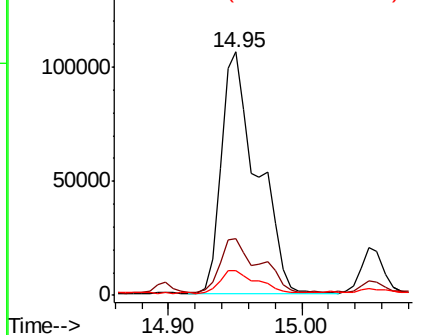
#88
Benzo(b)fluoranthene
Concen: 6.818 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.06 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	10.2	8.1	12.1

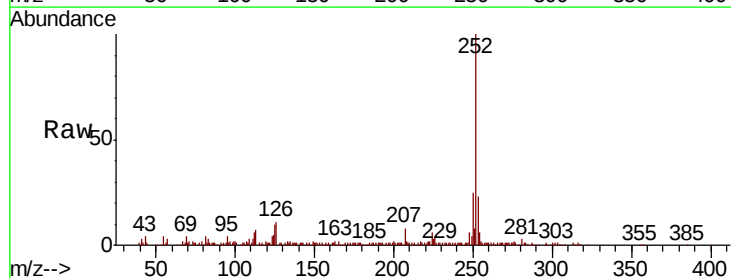


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

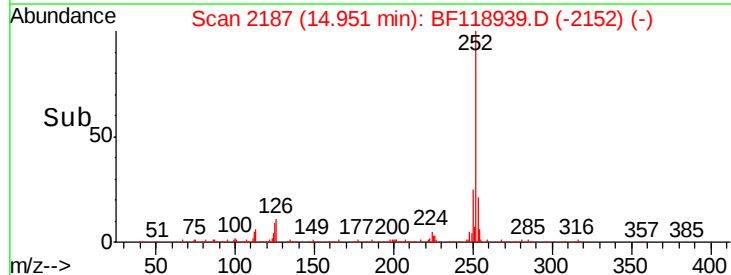
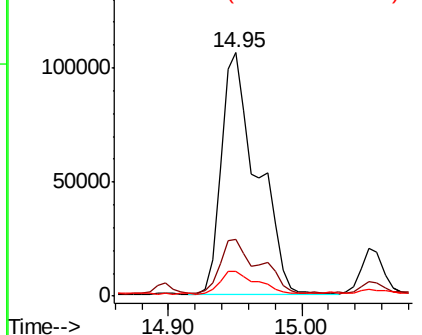


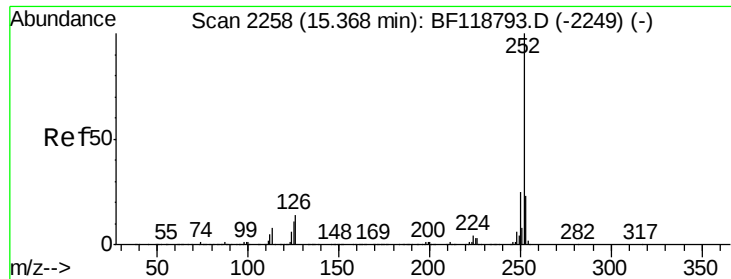
#89
Benzo(k)fluoranthene
Concen: 7.830 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.09 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	10.2	7.0	10.6



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

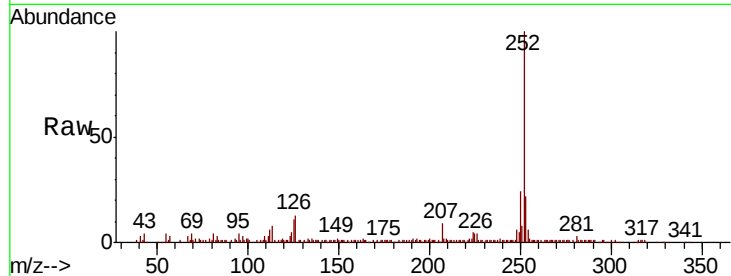




#90
Benzo(a)pyrene
Concen: 4.302 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.07 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	11.1	8.7	13.1

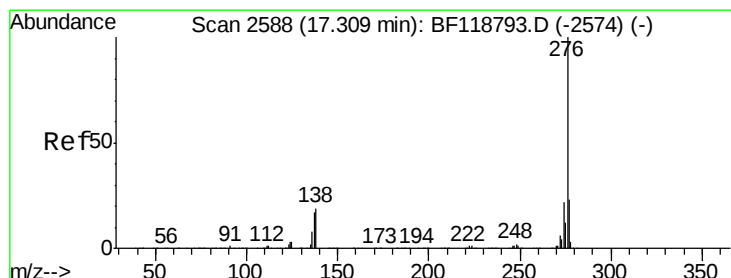
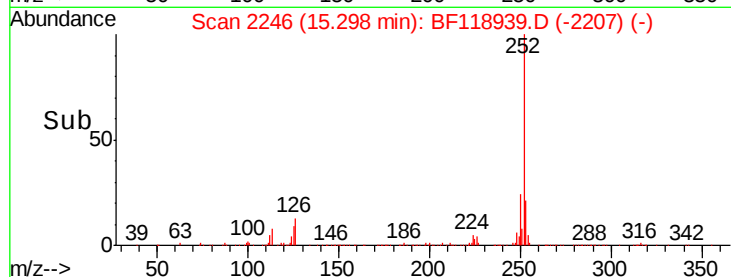
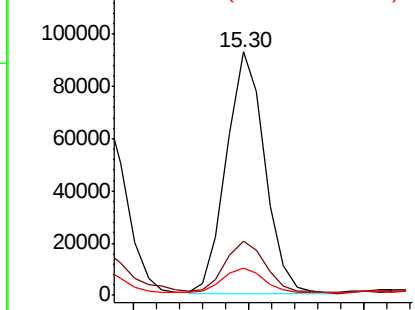


Abundance

Ion 252.00 (251.70 to 252.70): E

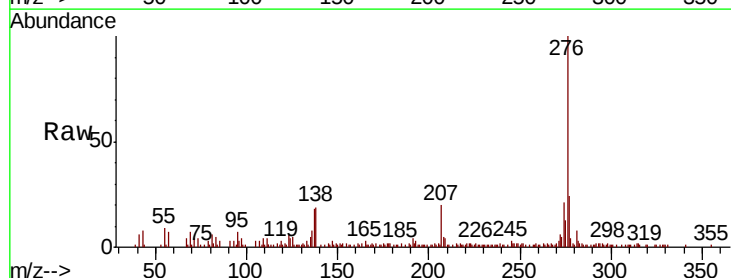
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.726 ng
RT: 17.19 min Scan# 2568
Delta R.T. -0.12 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	18.7	15.4	23.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

