

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119180.D
 Acq On : 2 Mar 2020 20:50
 Operator : CG/JU
 Sample : L1736-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 07:21:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	117908	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	457046	20.00	ng	-0.02
39) Acenaphthene-d10	9.77	164	246862	20.00	ng	-0.02
64) Phenanthrene-d10	11.26	188	438938	20.00	ng	0.00
76) Chrysene-d12	13.89	240	315121	20.00	ng	-0.01
87) Perylene-d12	15.32	264	274028	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	40084	5.68	ng	0.00
7) Phenol-d6	6.39	99	103783	12.10	ng	-0.02
23) Nitrobenzene-d5	7.30	82	74350	8.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	1048	0.32	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	176876	10.56	ng	-0.02
79) Terphenyl-d14	12.83	244	208974	11.42	ng	-0.02

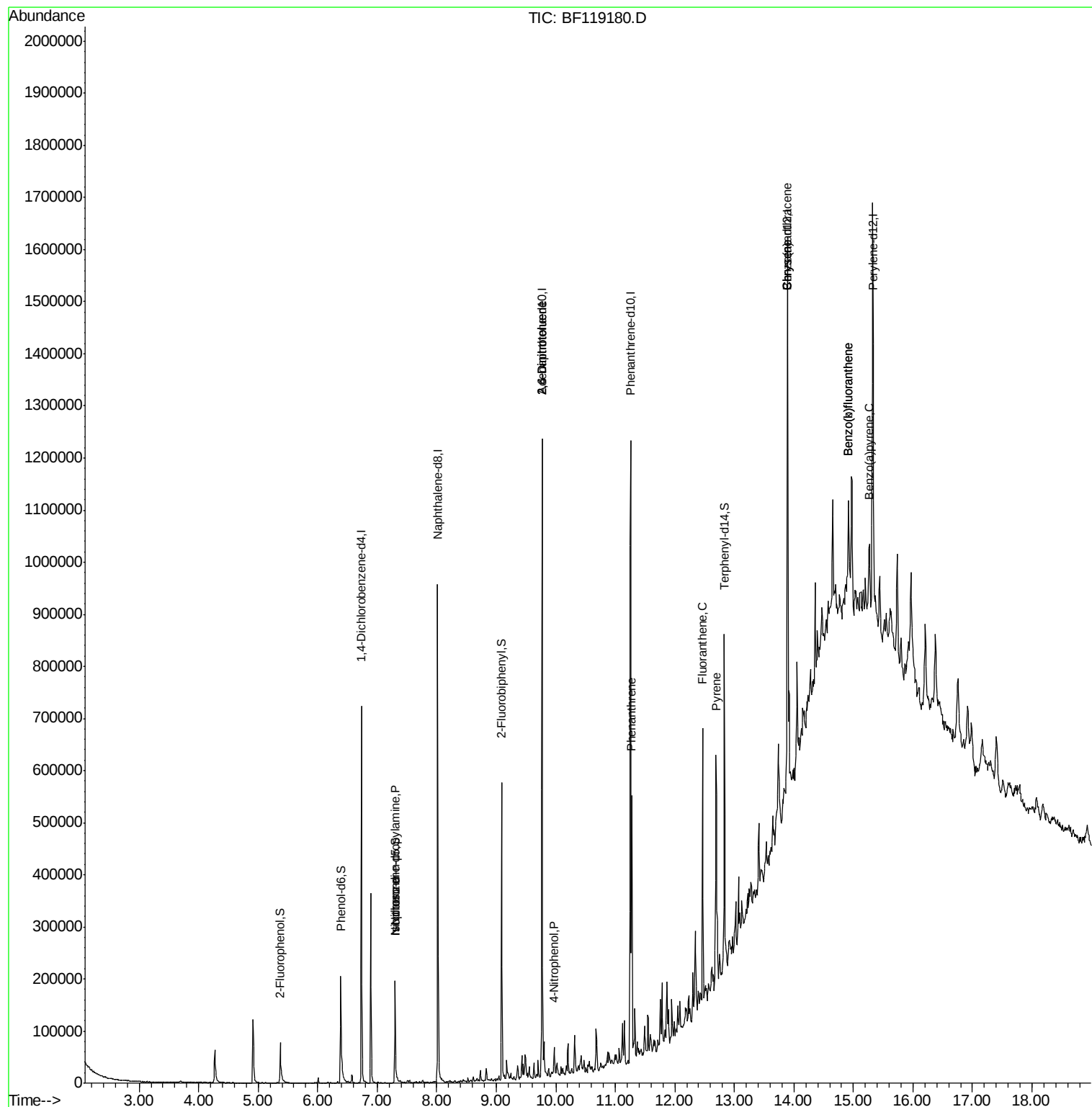
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	10397	2.079	ng	# 72
25) Isophorone	7.30	82	74349	4.946	ng	# 63
51) 2,6-Dinitrotoluene	9.77	165	32508	7.751	ng	# 33
56) 4-Nitrophenol	9.97	139	6798	2.434	ng	# 13
57) 2,4-Dinitrotoluene	9.77	165	32508	5.980	ng	# 21
71) Phenanthrene	11.28	178	202861	8.475	ng	96
75) Fluoranthene	12.47	202	209392	8.241	ng	97
78) Pyrene	12.69	202	178464	7.053	ng	98
81) Benzo(a)anthracene	13.89	228	78545	3.658	ng	97
83) Chrysene	13.89	228	78545	3.671	ng	94
88) Benzo(b)fluoranthene	14.92	252	103650	5.738	ng	# 76
89) Benzo(k)fluoranthene	14.92	252	103650	6.192	ng	# 76
90) Benzo(a)pyrene	15.27	252	47723	2.927	ng	# 75

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

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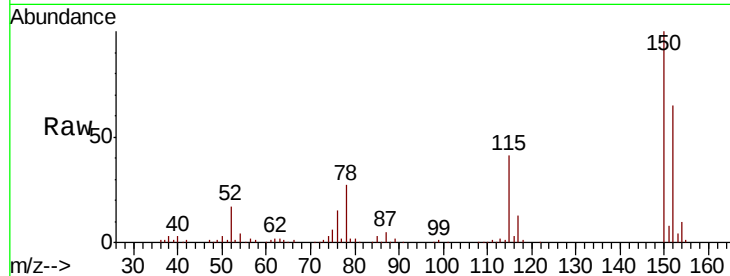


#1

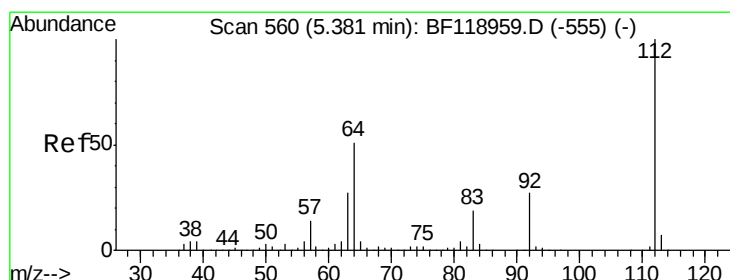
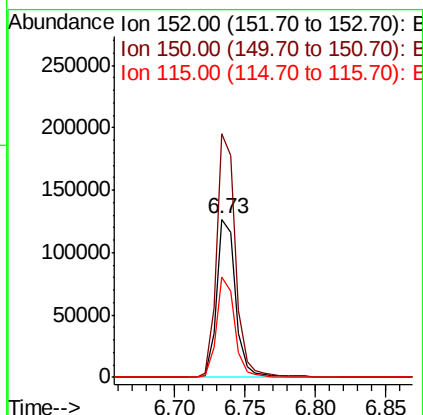
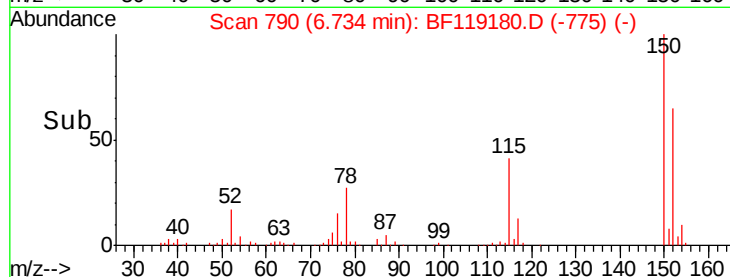
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 117908
Ion Ratio Lower Upper
152 100
150 154.1 123.0 184.6
115 63.6 49.5 74.3



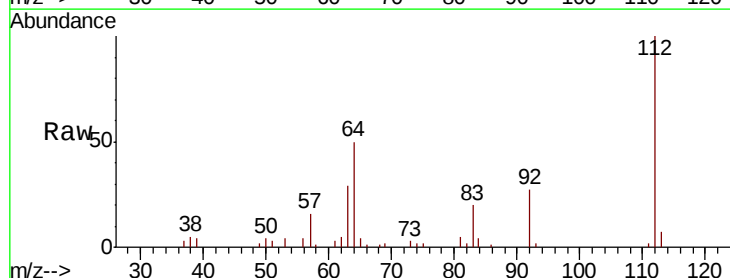
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



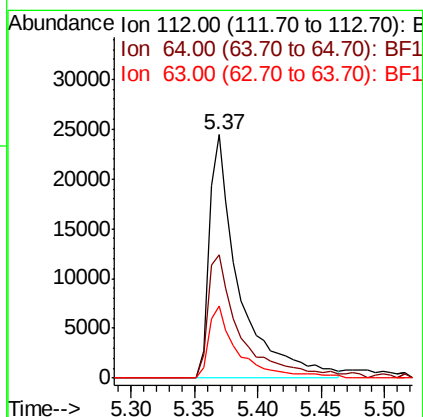
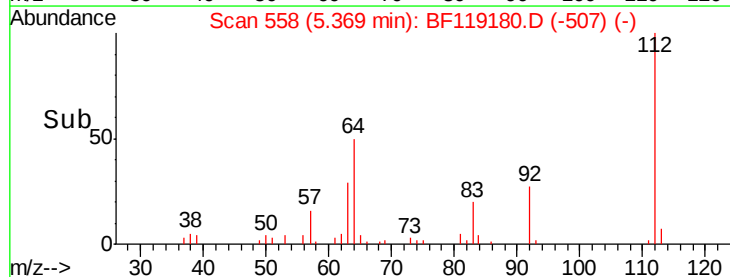
#5

2-Fluorophenol
Concen: 5.681 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

Tgt Ion:112 Resp: 40084
Ion Ratio Lower Upper
112 100
64 50.4 45.0 67.4
63 29.5 24.2 36.4



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: 12.095 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

Instrument :

BNA_F

ClientSampleId :

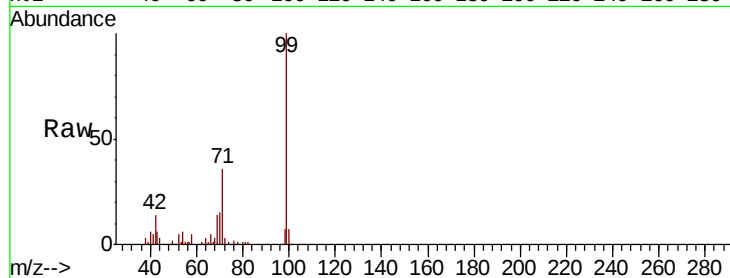
Tot Ion: 99 Resp: 103783

Ion Ratio Lower Upper

99 100

42 14.1 12.6 18.8

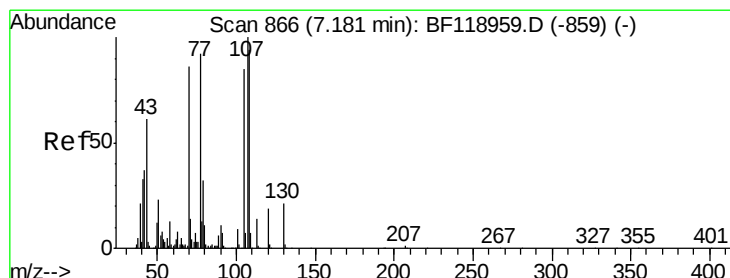
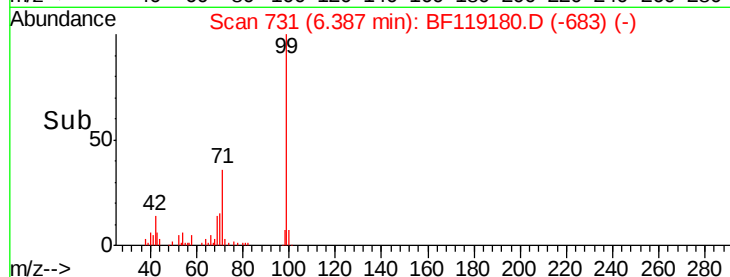
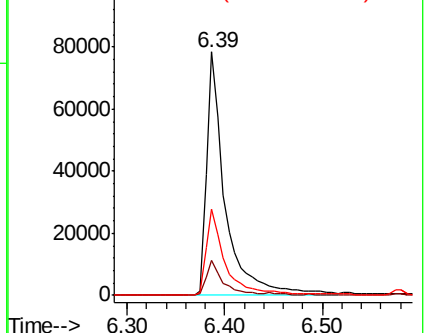
71 35.6 31.0 46.4



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: 2.079 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

Tgt Ion: 70 Resp: 10397

Ion Ratio Lower Upper

70 100

42 34.8 38.0 57.0#

101 0.0 8.2 12.4#

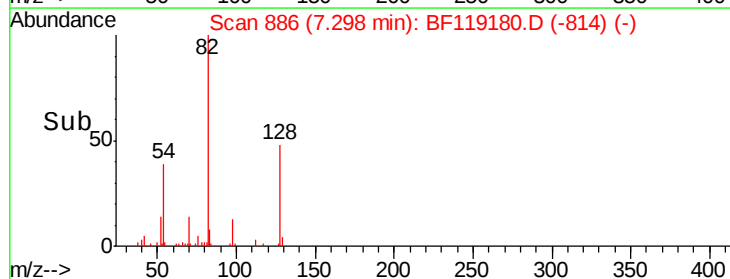
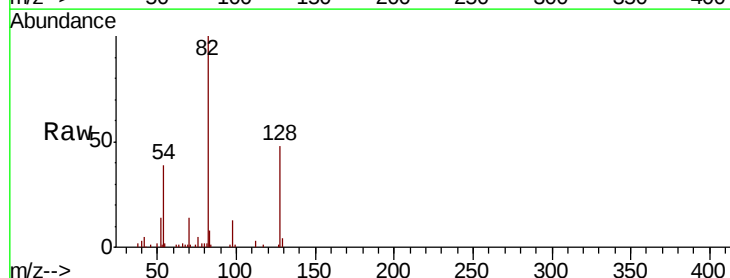
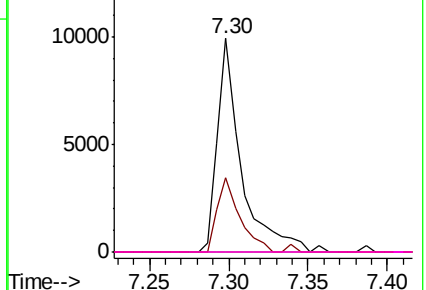
130 0.0 18.2 27.4#

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: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 457046

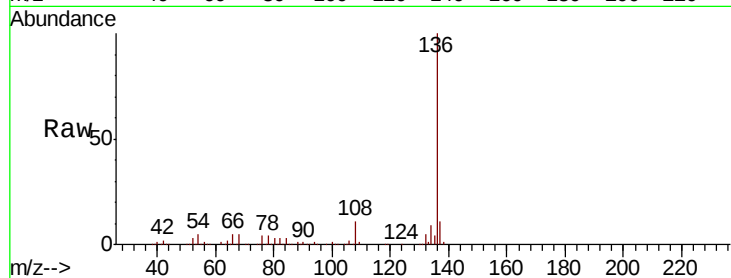
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 5.4 3.8 5.6

68 5.4 3.9 5.9

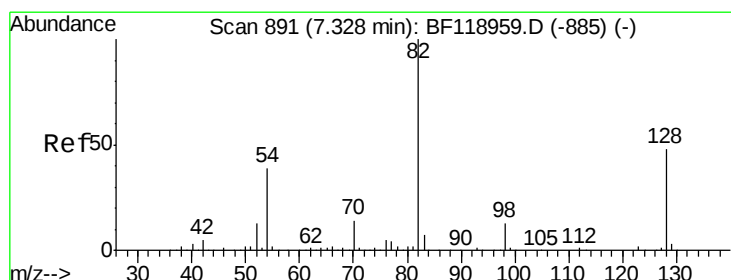
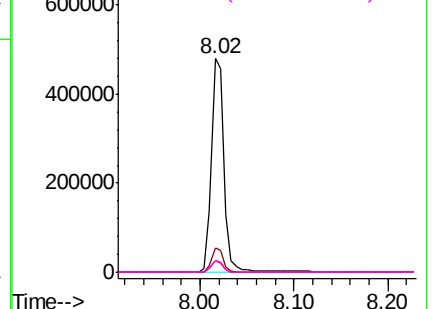
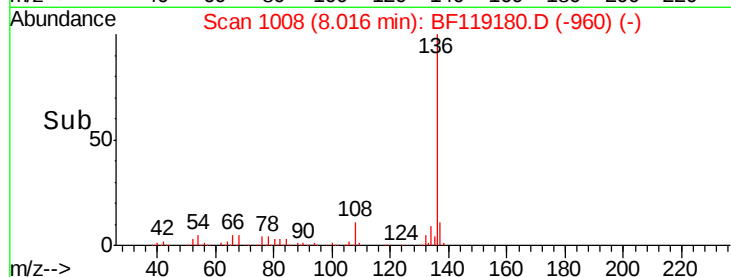


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.589 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

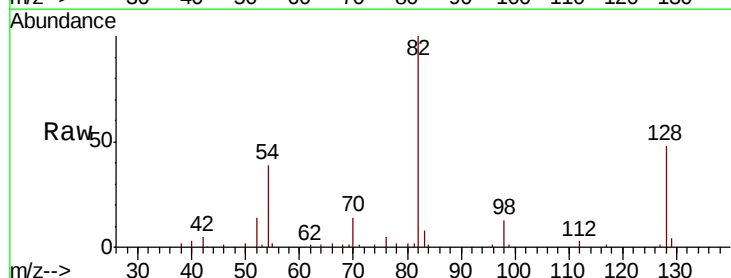
Tgt Ion: 82 Resp: 74350

Ion Ratio Lower Upper

82 100

128 47.7 37.9 56.9

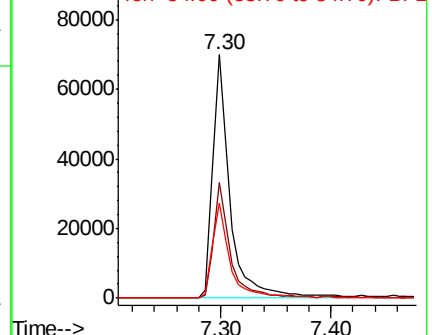
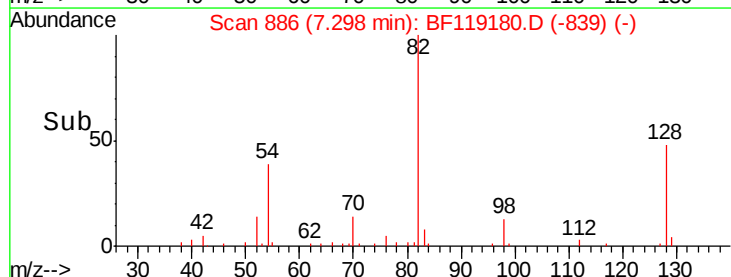
54 39.0 33.4 50.2



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: 4.946 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

Instrument :

BNA_F

ClientSampleId :

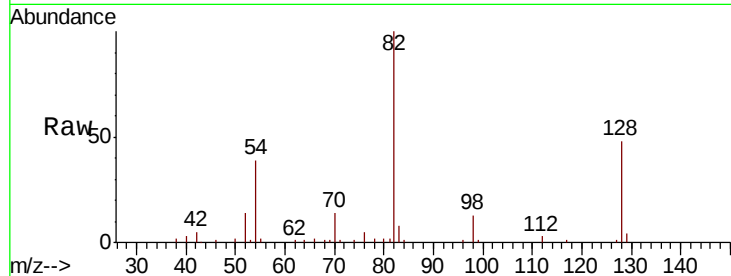
Tot Ion: 82 Resp: 74349

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

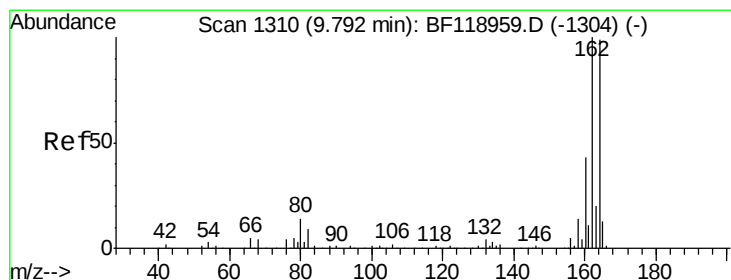
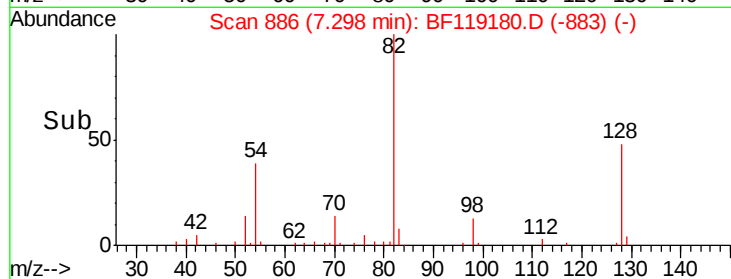
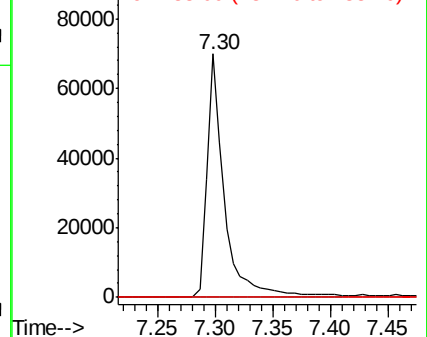
138 0.0 15.7 23.5#



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: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

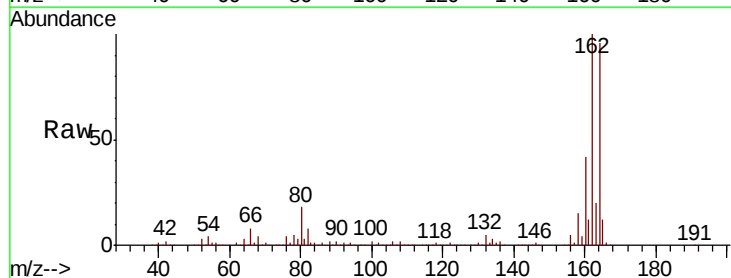
Tgt Ion:164 Resp: 246862

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.8

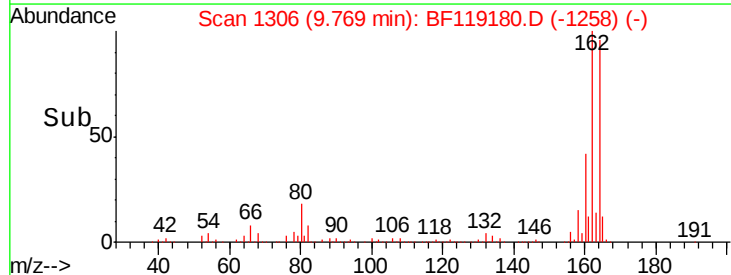
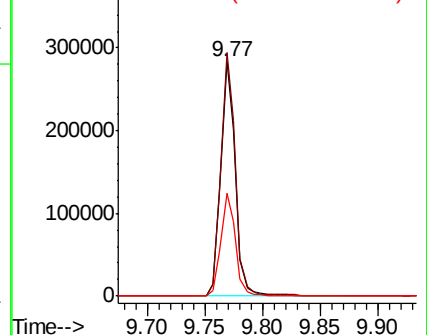
160 43.9 36.0 54.0

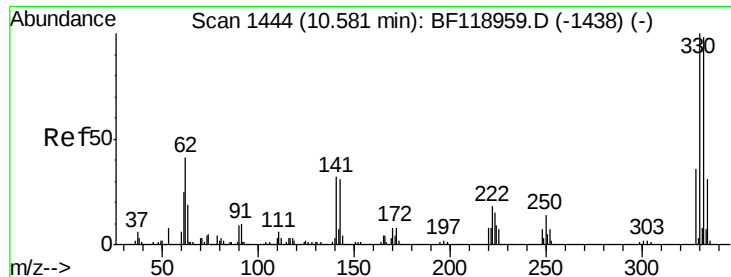


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 0.325 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

Instrument :

BNA_F

ClientSampleId :

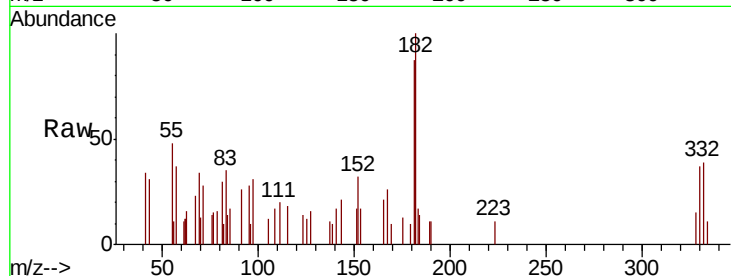
Tot Ion:330 Resp: 1048

Ion Ratio Lower Upper

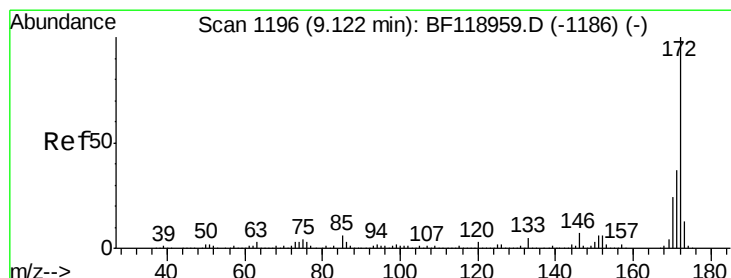
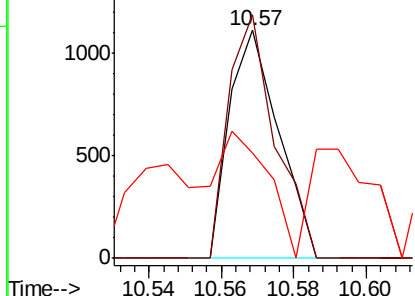
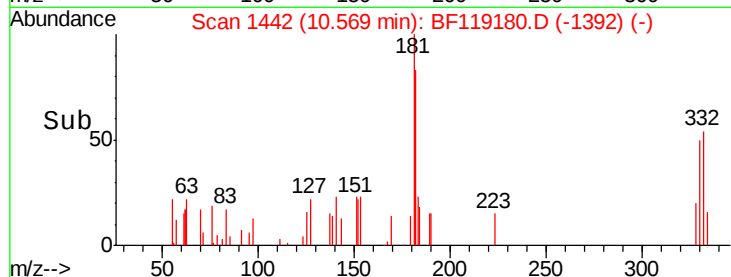
330 100

332 101.3 76.0 114.0

141 63.0 22.9 34.3#



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: 10.555 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.02 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

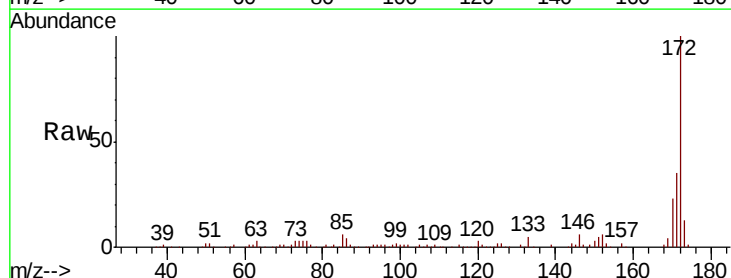
Tgt Ion:172 Resp: 176876

Ion Ratio Lower Upper

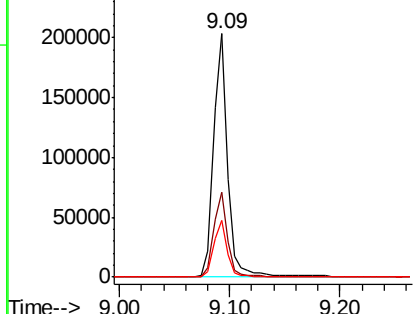
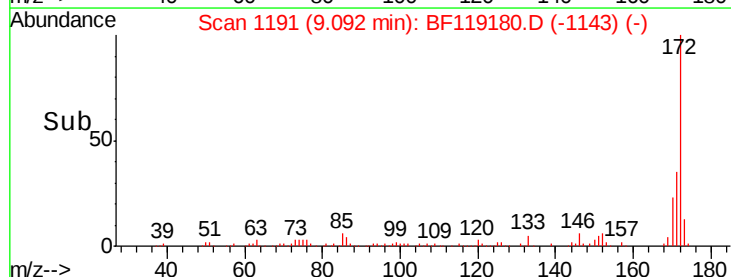
172 100

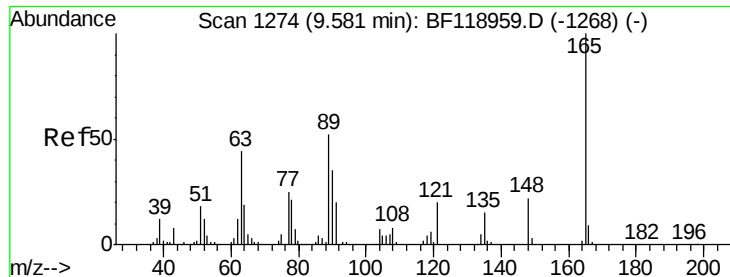
171 34.8 30.6 45.8

170 23.5 20.2 30.2



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

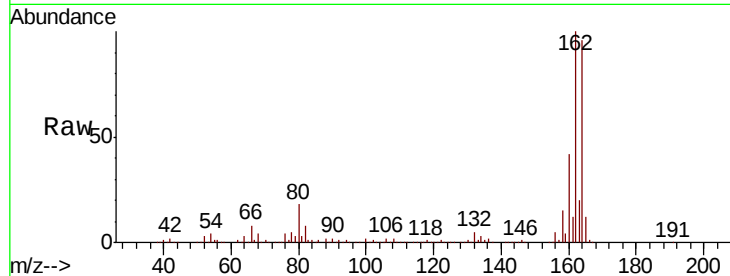




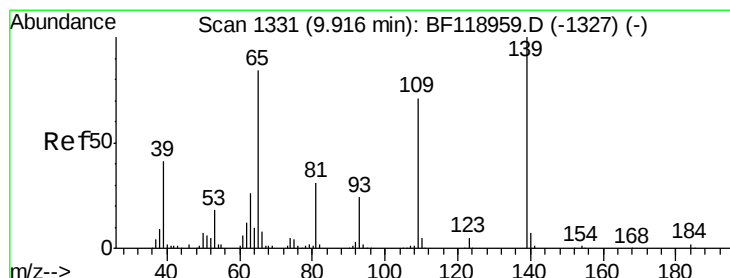
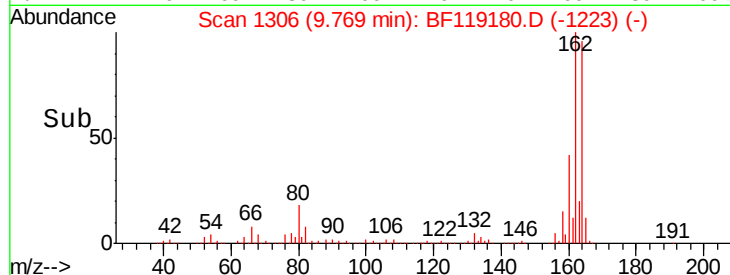
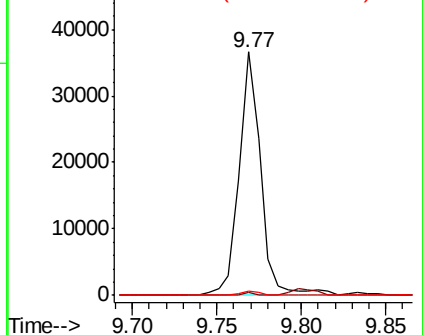
#51
 2,6-Dinitrotoluene
 Concen: 7.751 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.19 min
 Lab File: BF119180.D
 Acq: 2 Mar 2020 20:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	1.5	38.3	57.5#

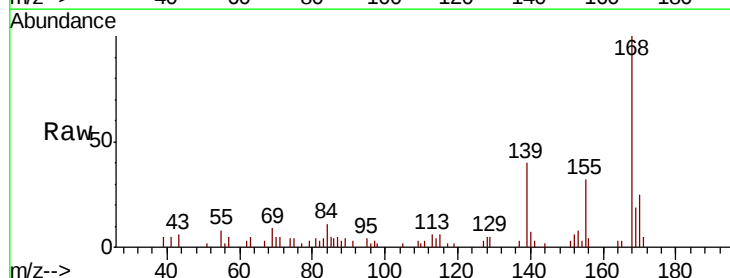


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

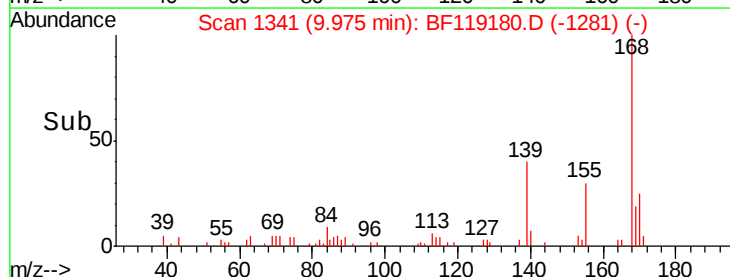
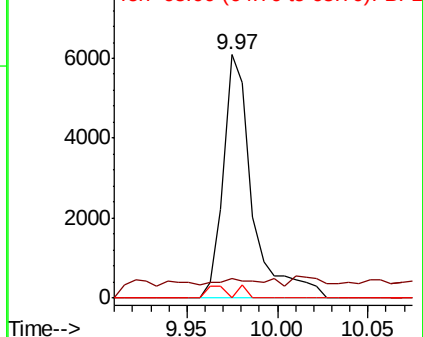


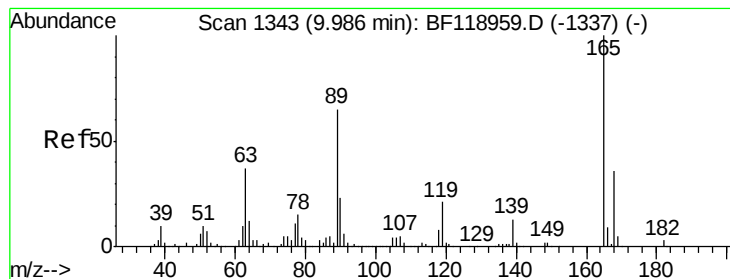
#56
 4-Nitrophenol
 Concen: 2.434 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.05 min
 Lab File: BF119180.D
 Acq: 2 Mar 2020 20:50

Tgt Ion	Ratio	Lower	Upper
139	100		
109	8.0	56.7	96.7#
65	0.0	65.0	105.0#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

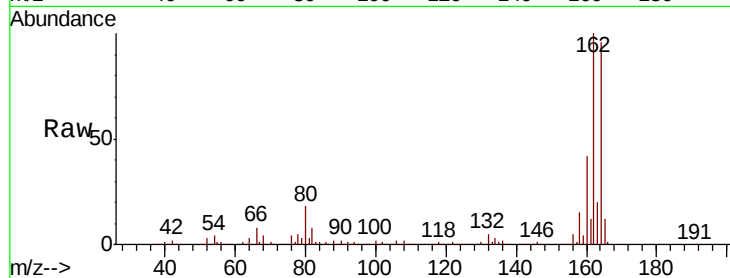




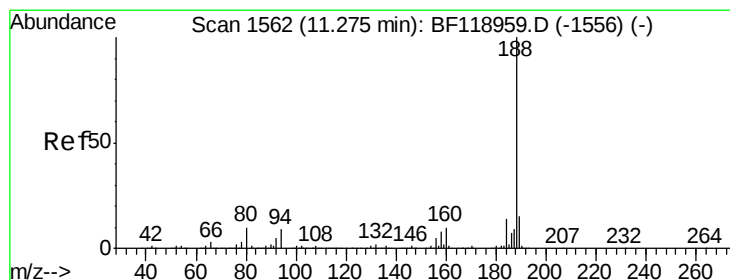
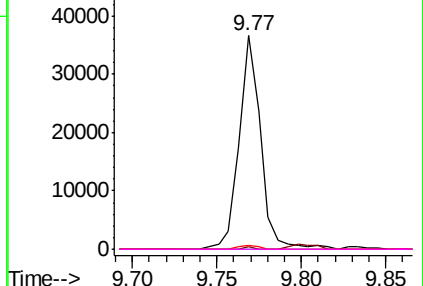
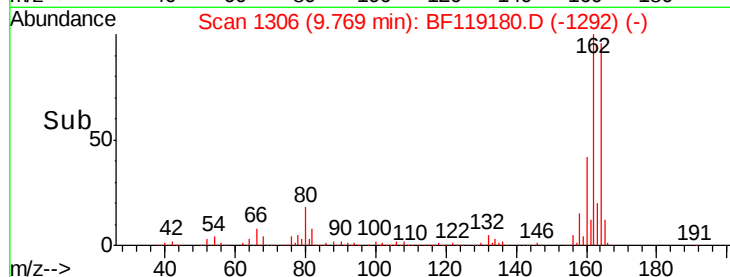
#57
 2,4-Dinitrotoluene
 Concen: 5.980 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.22 min
 Lab File: BF119180.D
 Acq: 2 Mar 2020 20:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.3	63.5#
89	1.5	60.2	90.4#
182	0.0	2.3	3.5#

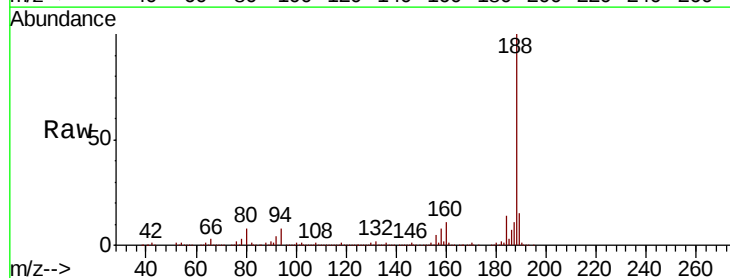


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

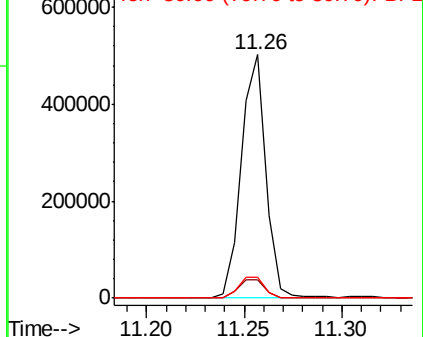
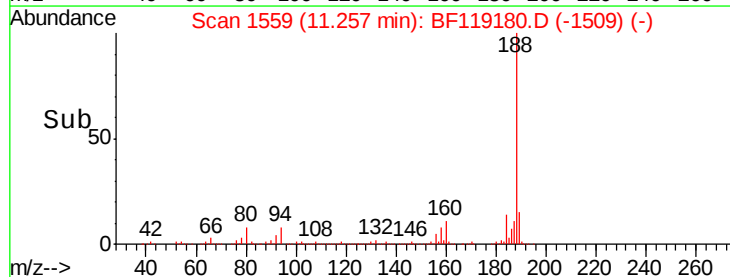


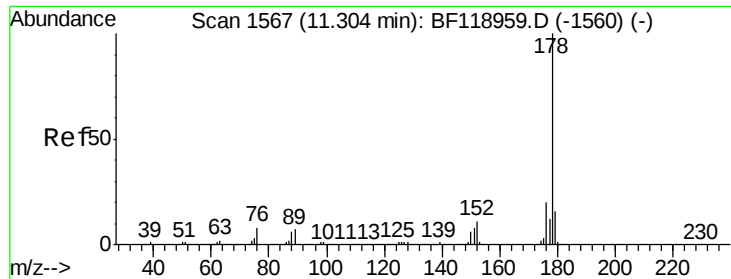
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF119180.D
 Acq: 2 Mar 2020 20:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	7.1	10.7
80	8.5	7.8	11.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

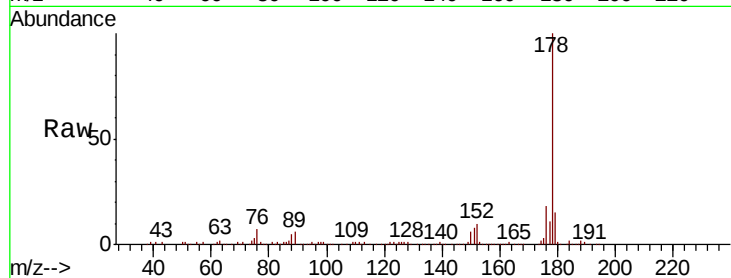




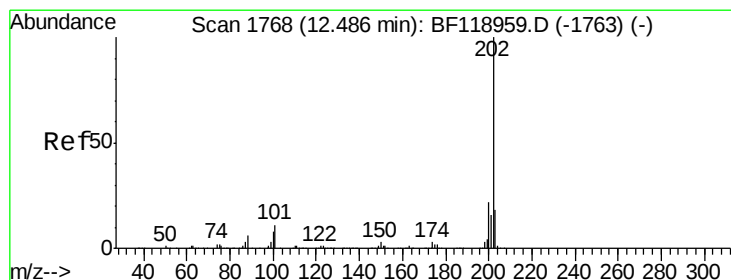
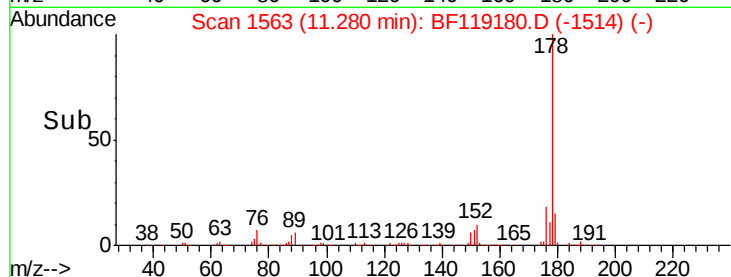
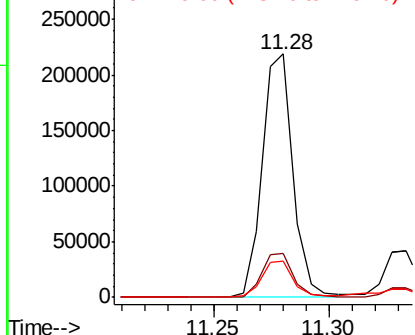
#71
Phenanthrene
Concen: 8.475 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 202861
Ion Ratio Lower Upper
178 100
176 18.3 16.5 24.7
179 15.0 13.0 19.6

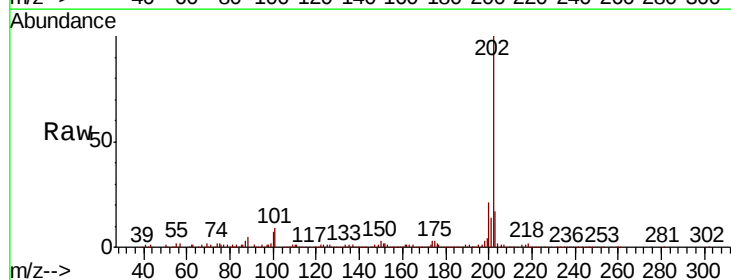


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

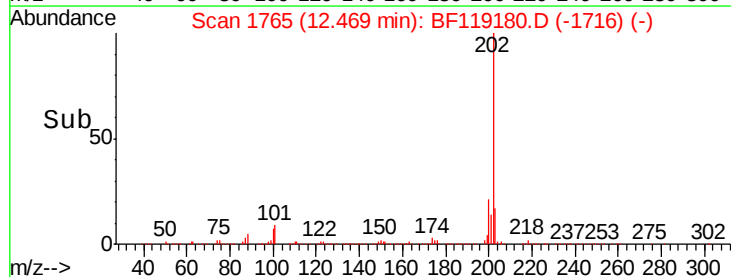
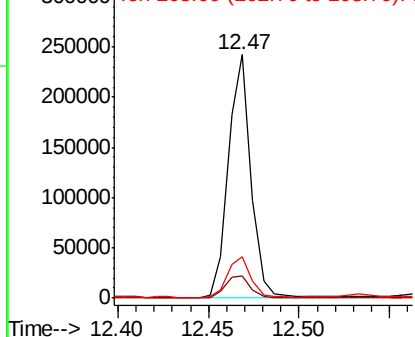


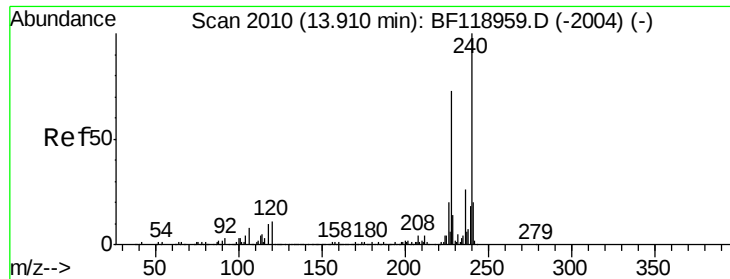
#75
Fluoranthene
Concen: 8.241 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

Tgt Ion:202 Resp: 209392
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.3
203 17.3 0.0 38.4



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

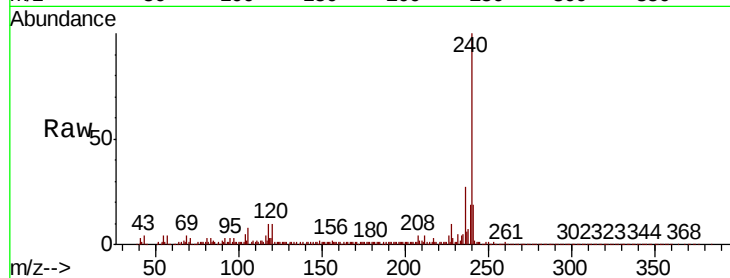




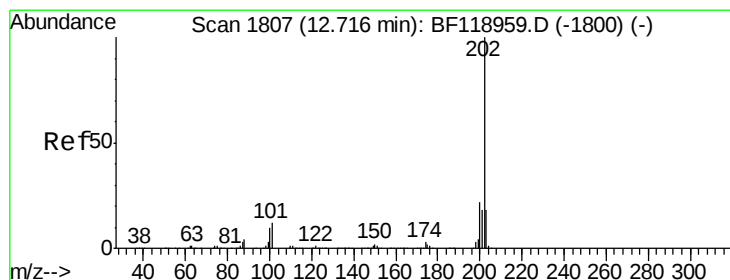
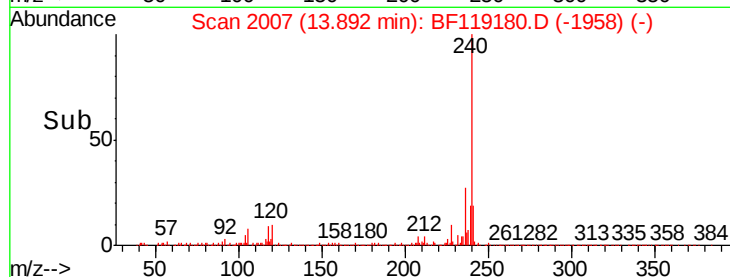
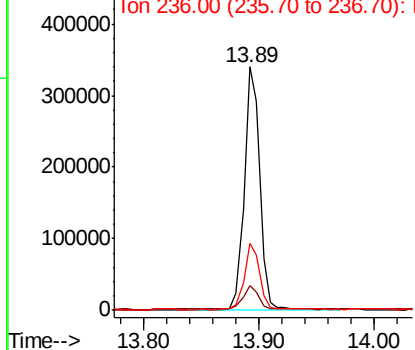
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 315121
Ion Ratio Lower Upper
240 100
120 10.3 8.4 12.6
236 27.3 21.0 31.4

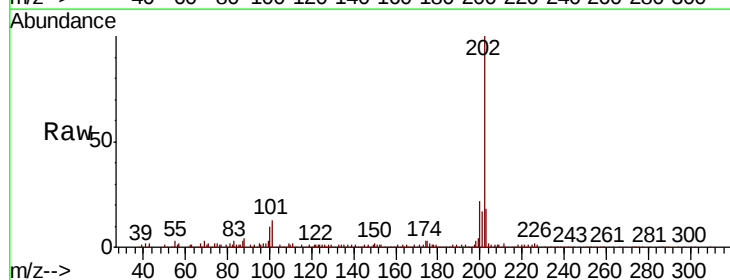


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

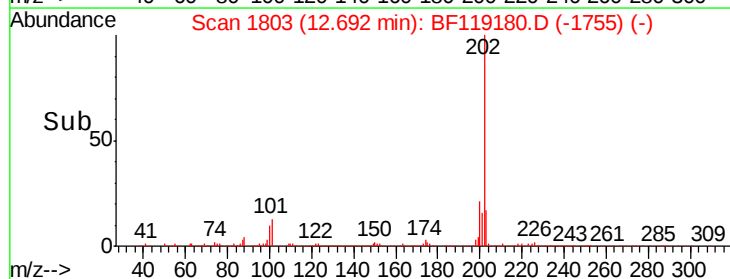
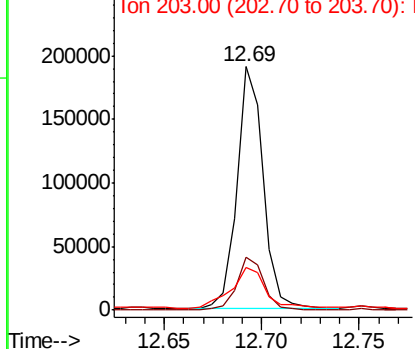


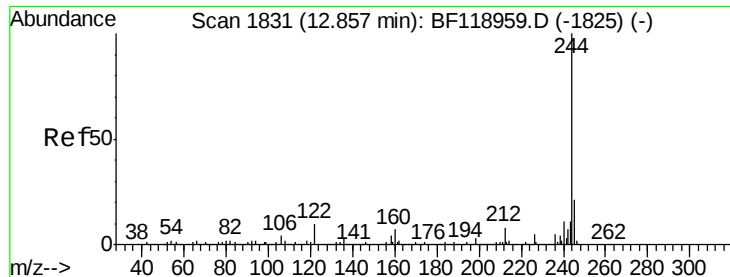
#78
Pyrene
Concen: 7.053 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

Tgt Ion:202 Resp: 178464
Ion Ratio Lower Upper
202 100
200 21.6 18.0 27.0
203 17.6 14.6 22.0



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: 11.417 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

Instrument :

BNA_F

ClientSampleId :

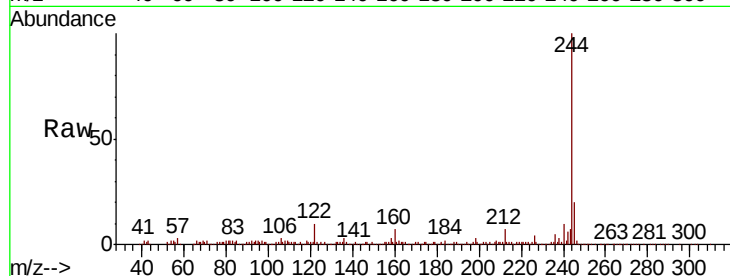
Tot Ion:244 Resp: 208974

Ion Ratio Lower Upper

244 100

212 6.5 6.6 10.0#

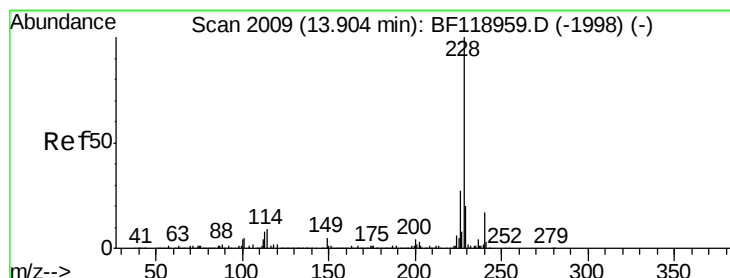
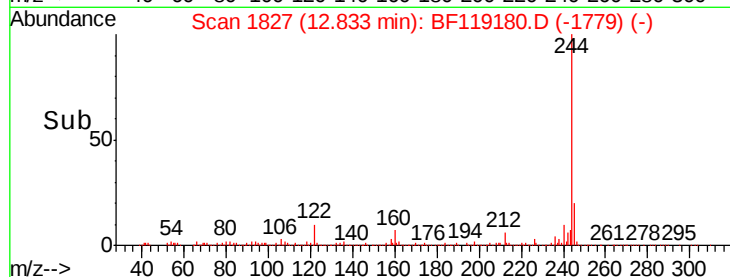
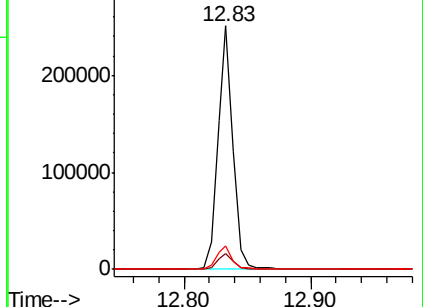
122 9.8 8.2 12.2



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: 3.658 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119180.D

Acq: 2 Mar 2020 20:50

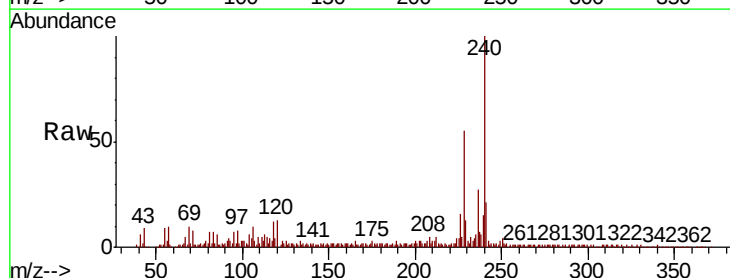
Tgt Ion:228 Resp: 78545

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

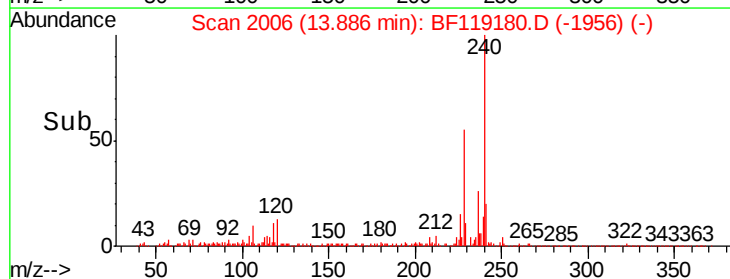
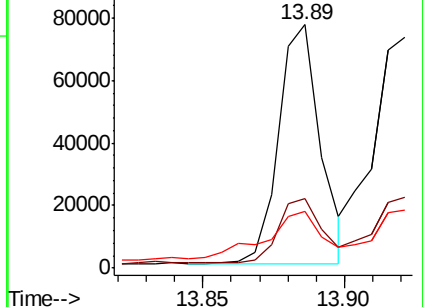
229 23.1 16.6 24.8

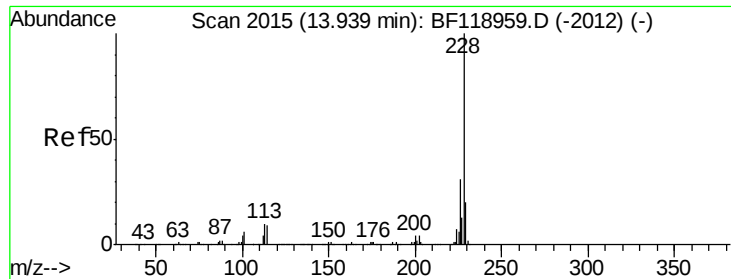


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

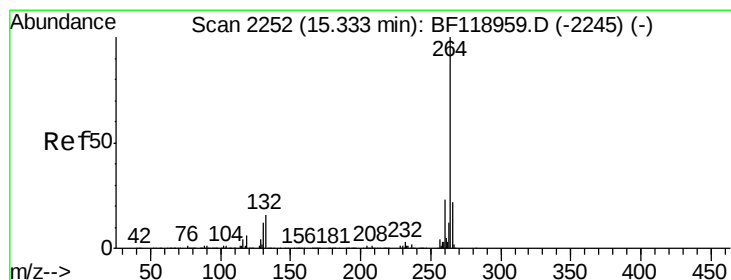
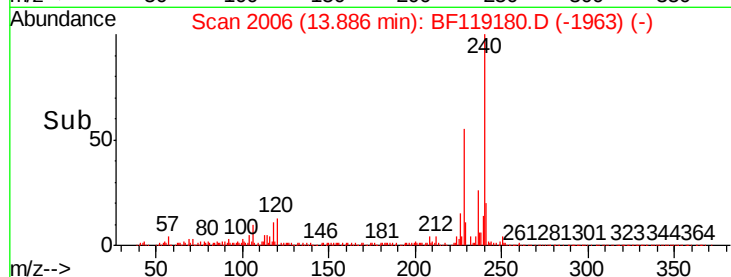
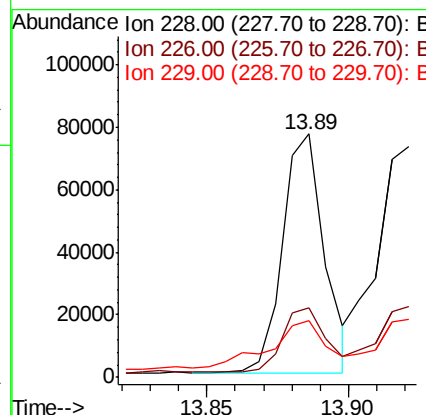
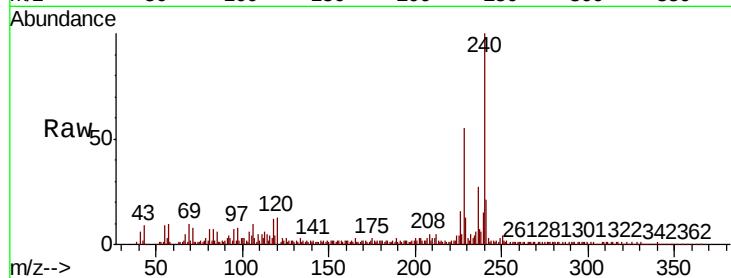




#83
Chrysene
Concen: 3.671 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.05 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

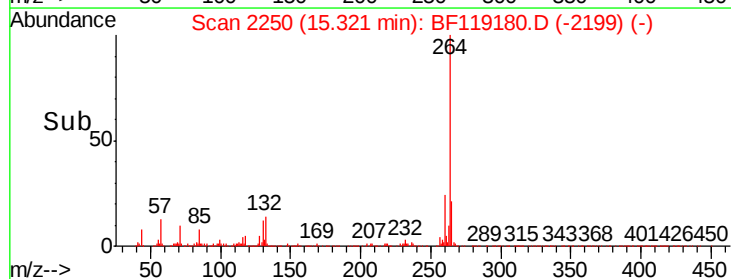
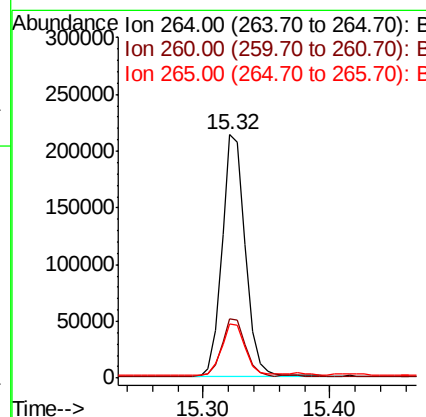
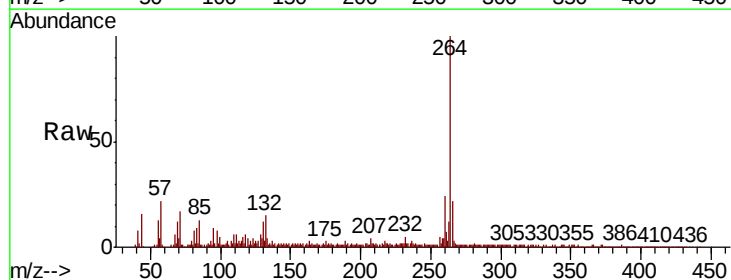
Instrument :
BNA_F
ClientSampled :

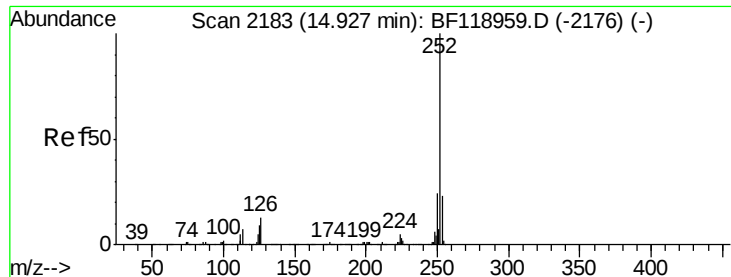
Tot Ion:228 Resp: 78545
Ion Ratio Lower Upper
228 100
226 28.5 25.1 37.7
229 23.1 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

Tgt Ion:264 Resp: 274028
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 22.1 17.7 26.5

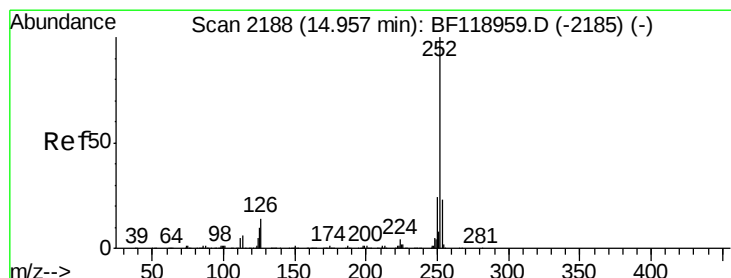
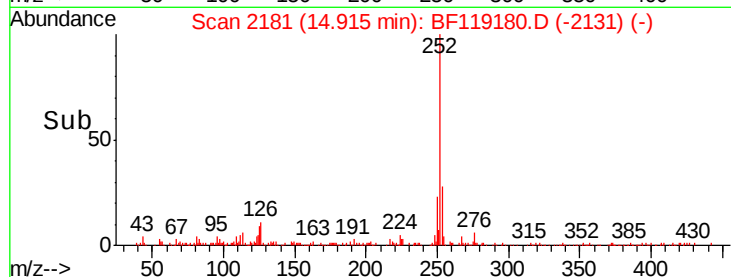
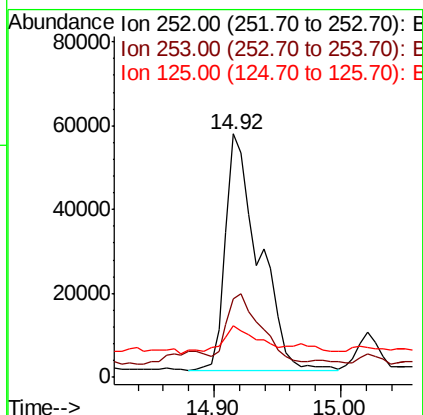
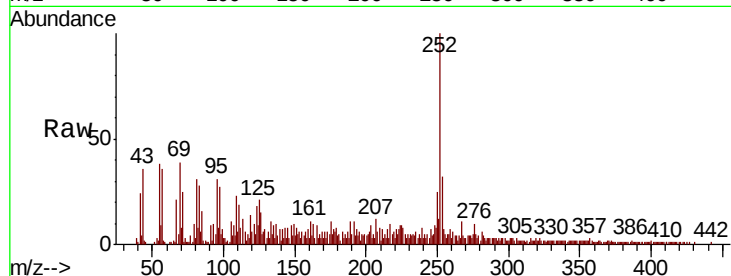




#88
Benzo(b)fluoranthene
Concen: 5.738 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

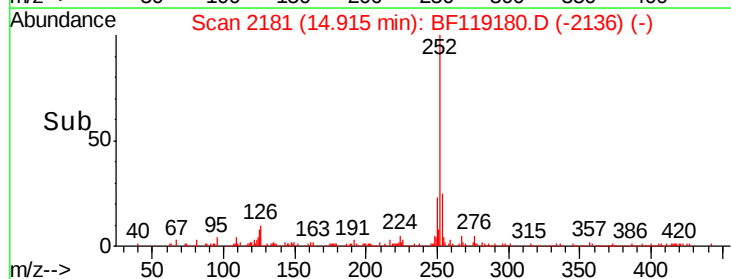
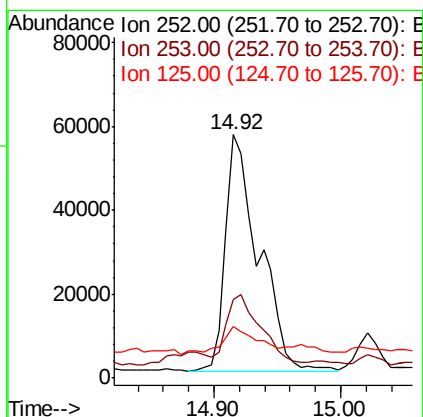
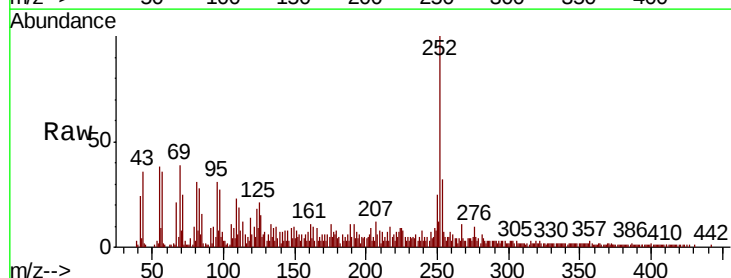
Instrument :
BNA_F
ClientSampleId :

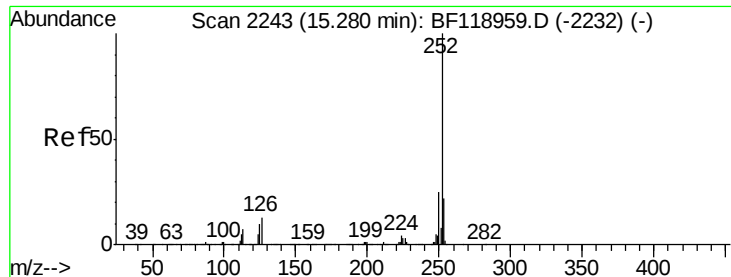
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.2	18.1	27.1#
125	21.1	7.4	11.0#



#89
Benzo(k)fluoranthene
Concen: 6.192 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF119180.D
Acq: 2 Mar 2020 20:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.8	26.8#
125	21.1	7.5	11.3#

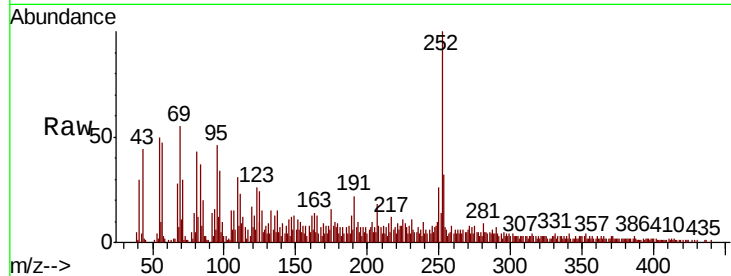




#90
 Benzo(a)pyrene
 Concen: 2.927 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: BF119180.D
 Acq: 2 Mar 2020 20:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.4	18.0	27.0
125	23.5	8.6	12.8



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

