

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119179.D
 Acq On : 2 Mar 2020 20:21
 Operator : CG/JU
 Sample : L1735-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 07:21:38 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	124552	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	477713	20.00	ng	-0.02
39) Acenaphthene-d10	9.77	164	229881	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	380394	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	297448	20.00	ng	-0.01
87) Perylene-d12	15.32	264	226888	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	25882	3.47	ng	0.00
7) Phenol-d6	6.39	99	87432	9.65	ng	-0.02
23) Nitrobenzene-d5	7.30	82	69310	7.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	522	0.17	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	153752	9.85	ng	-0.02
79) Terphenyl-d14	12.83	244	164102	9.50	ng	-0.02

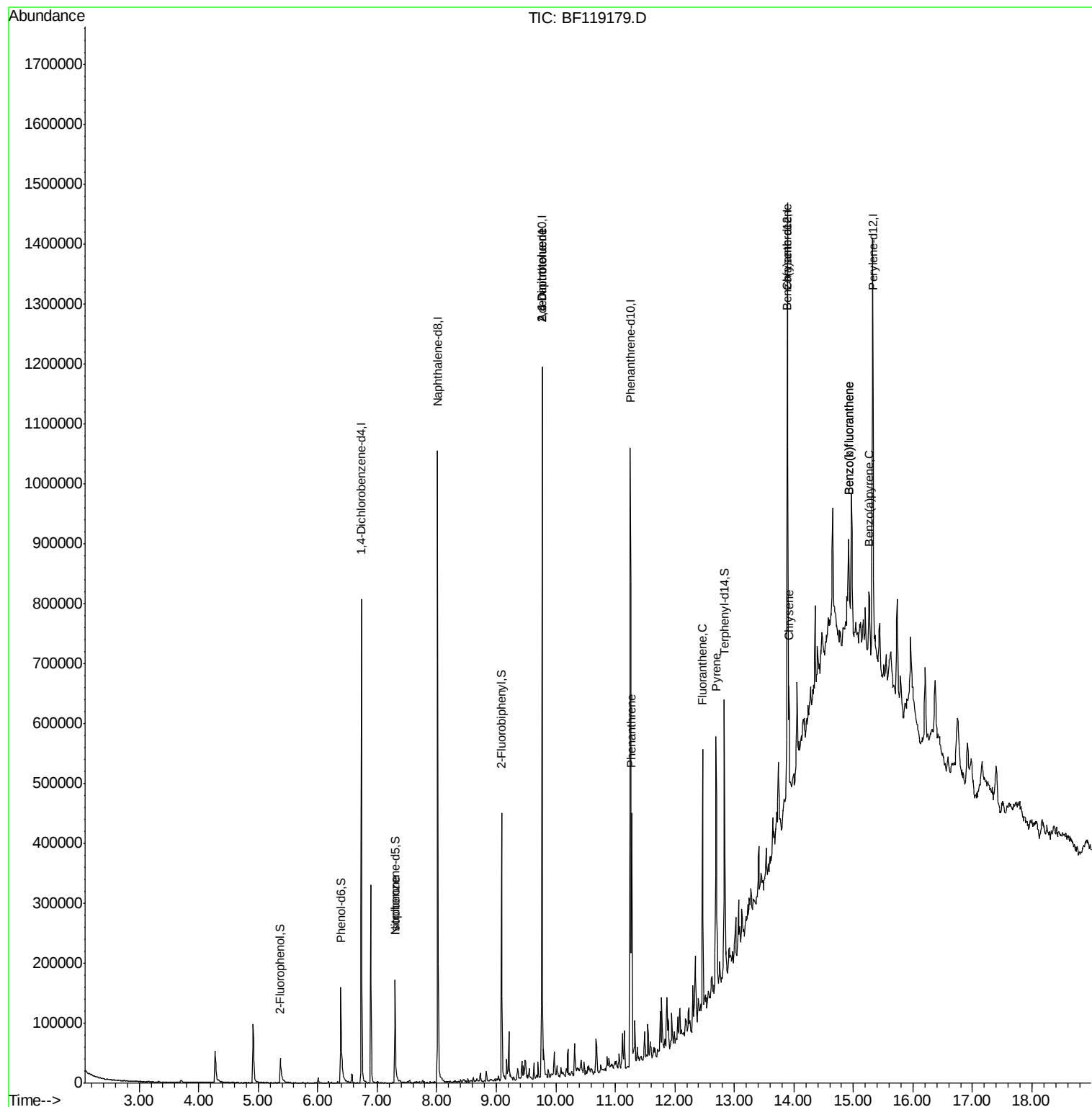
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.30	82	69309	4.411	ng	# 63
51) 2,6-Dinitrotoluene	9.77	165	30870	7.904	ng	# 33
57) 2,4-Dinitrotoluene	9.77	165	30870	6.098	ng	# 21
71) Phenanthrene	11.27	178	160212	7.723	ng	97
75) Fluoranthene	12.47	202	196237	8.912	ng	97
78) Pyrene	12.69	202	167752	7.023	ng	96
81) Benzo(a)anthracene	13.88	228	78065	3.852	ng	98
83) Chrysene	13.92	228	76873	3.807	ng	96
88) Benzo(b)fluoranthene	14.92	252	90607	6.059	ng	# 78
89) Benzo(k)fluoranthene	14.92	252	90607	6.538	ng	# 78
90) Benzo(a)pyrene	15.26	252	40659	3.012	ng	# 78

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

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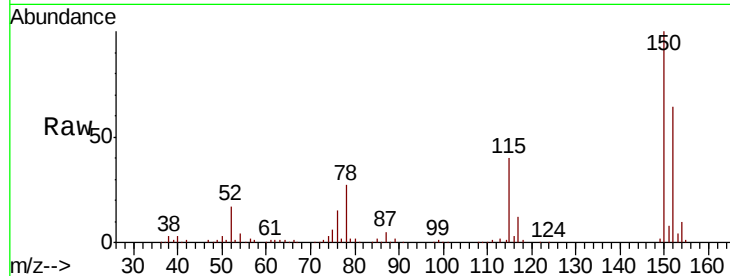


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119179.D
Acq: 2 Mar 2020 20:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.0	184.6
115	62.4	49.5	74.3

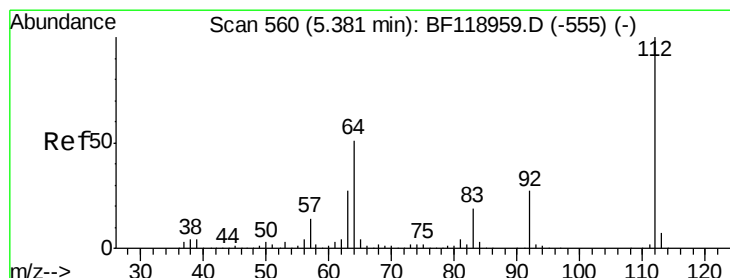
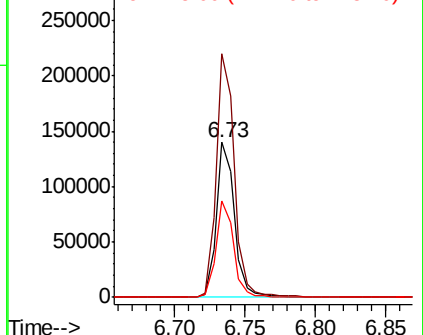
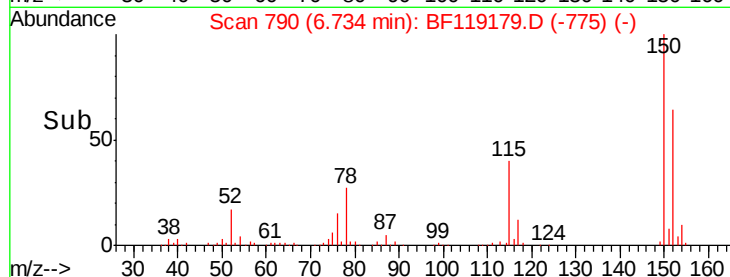


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

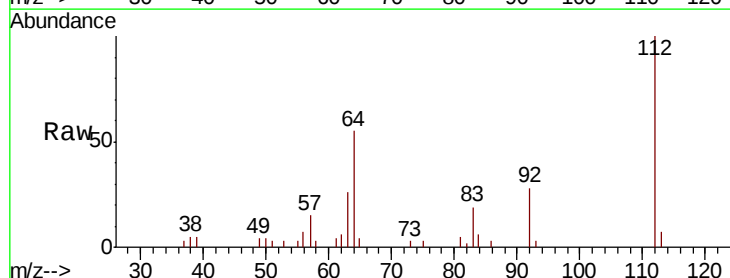
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.473 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.01 min
Lab File: BF119179.D
Acq: 2 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.0	67.4
63	26.1	24.2	36.4

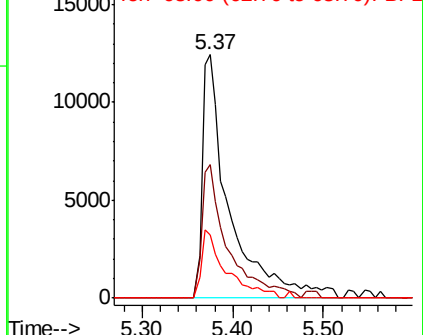
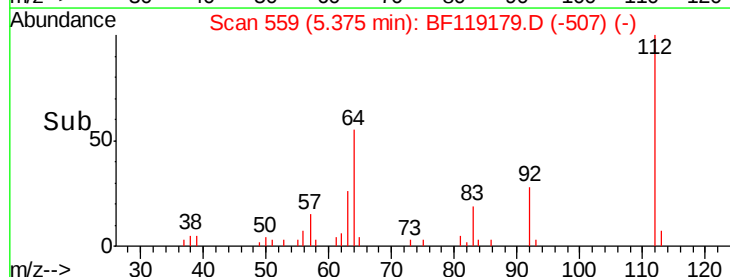


Abundance

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: 9.646 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119179.D

Acq: 2 Mar 2020 20:21

Instrument :

BNA_F

ClientSampleId :

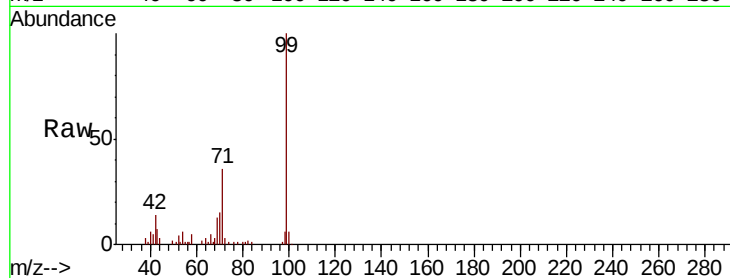
Tot Ion: 99 Resp: 87432

Ion Ratio Lower Upper

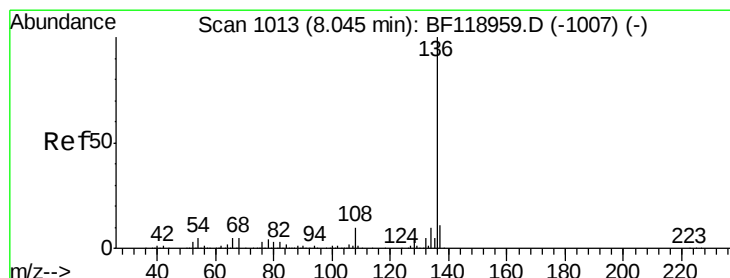
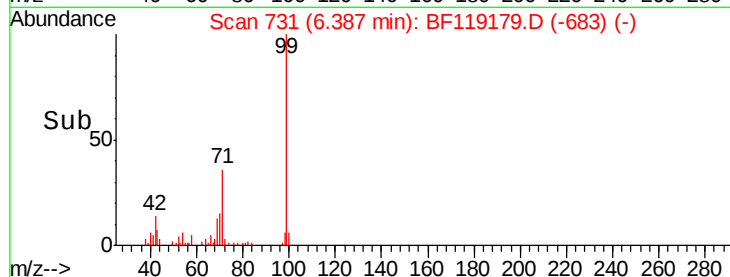
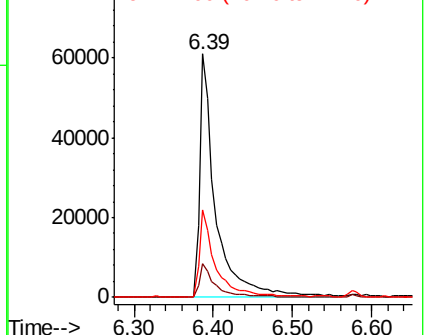
99 100

42 14.0 12.6 18.8

71 35.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119179.D

Acq: 2 Mar 2020 20:21

Tgt Ion: 136 Resp: 477713

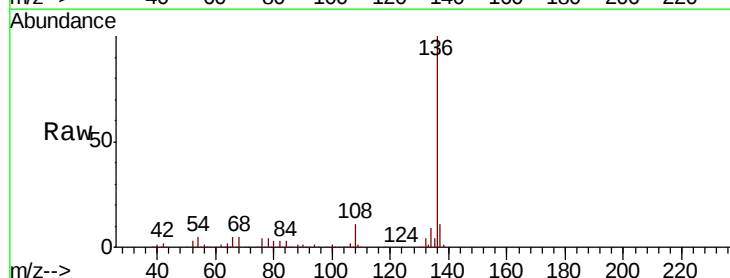
Ion Ratio Lower Upper

136 100

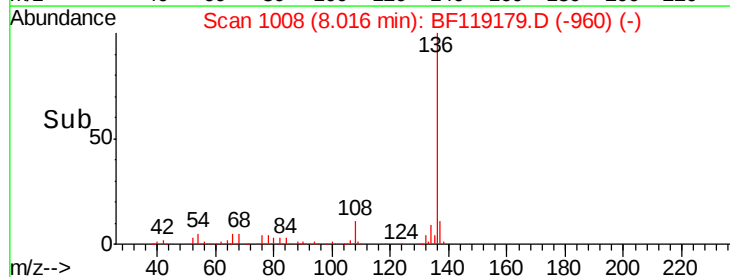
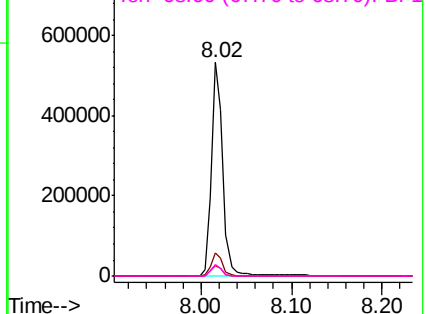
137 11.1 8.8 13.2

54 5.0 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

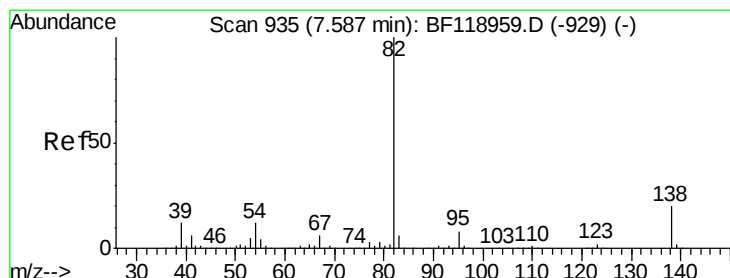
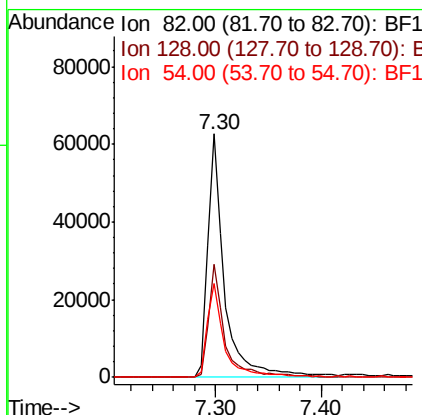
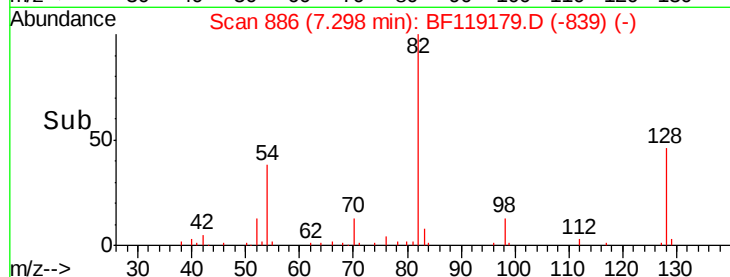
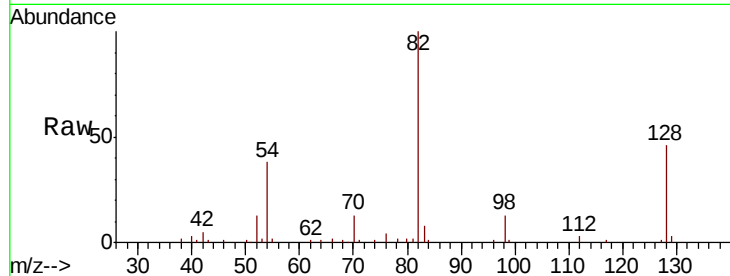




#23
Nitrobenzene-d5
Concen: 7.661 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF119179.D
Acq: 2 Mar 2020 20:21

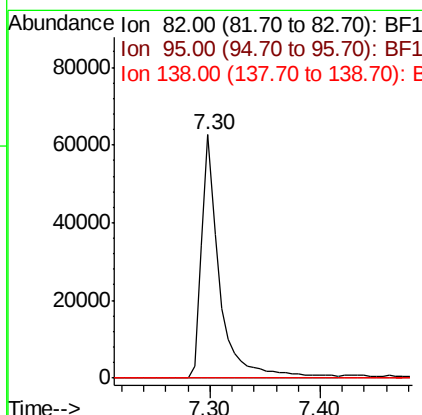
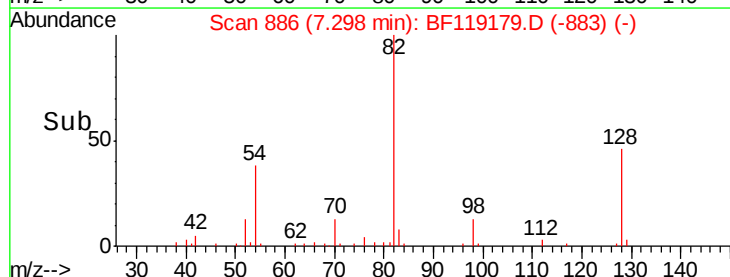
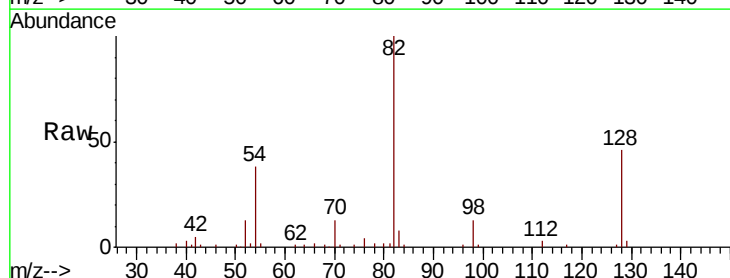
Instrument :
BNA_F
ClientSampled :

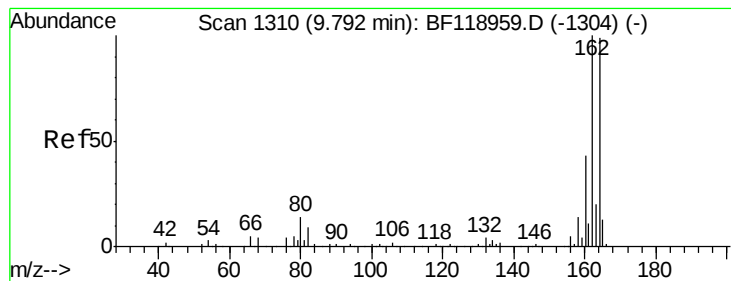
Tot Ion: 82 Resp: 69310
Ion Ratio Lower Upper
82 100
128 46.4 37.9 56.9
54 38.5 33.4 50.2



#25
Isophorone
Concen: 4.411 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.28 min
Lab File: BF119179.D
Acq: 2 Mar 2020 20:21

Tgt Ion: 82 Resp: 69309
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF119179.D

Acq: 2 Mar 2020 20:21

Instrument :

BNA_F

ClientSampleId :

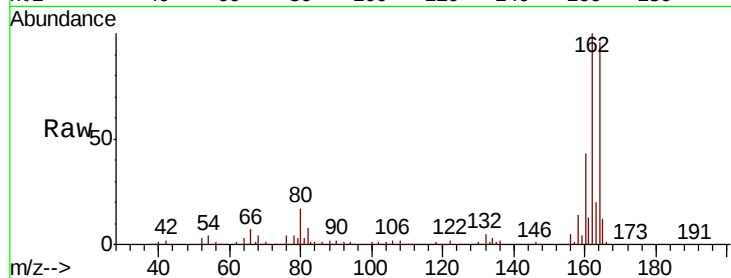
Tot Ion:164 Resp: 229881

Ion Ratio Lower Upper

164 100

162 104.1 81.8 122.8

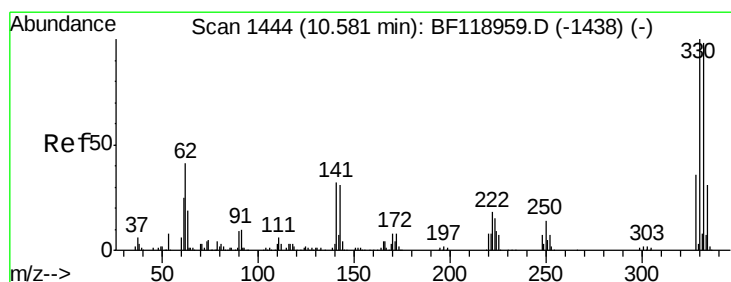
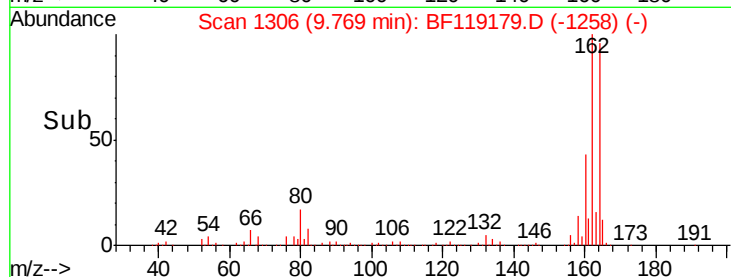
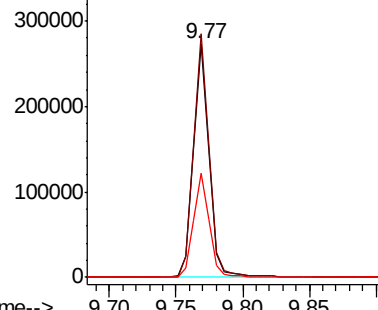
160 44.7 36.0 54.0



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: 0.174 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF119179.D

Acq: 2 Mar 2020 20:21

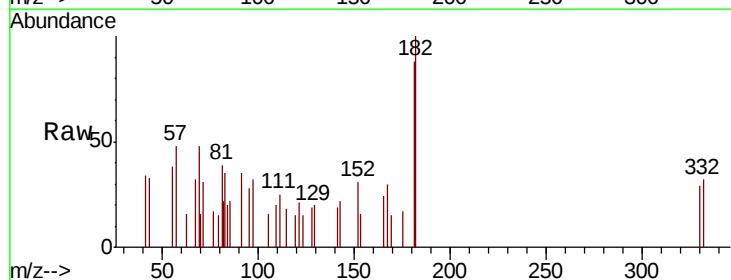
Tgt Ion:330 Resp: 522

Ion Ratio Lower Upper

330 100

332 103.6 76.0 114.0

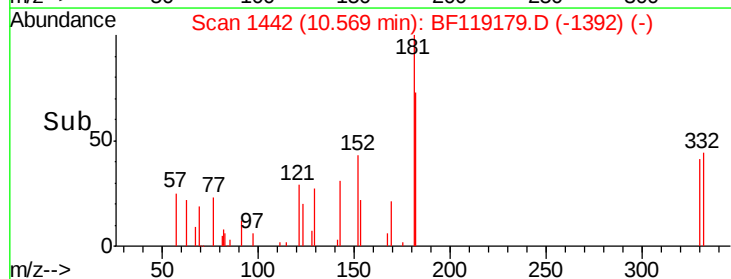
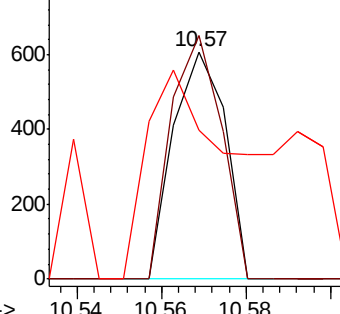
141 138.3 22.9 34.3#

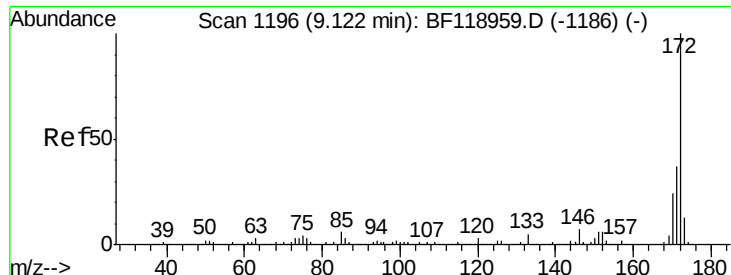


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

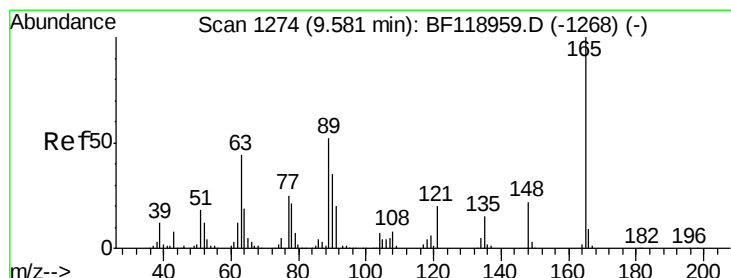
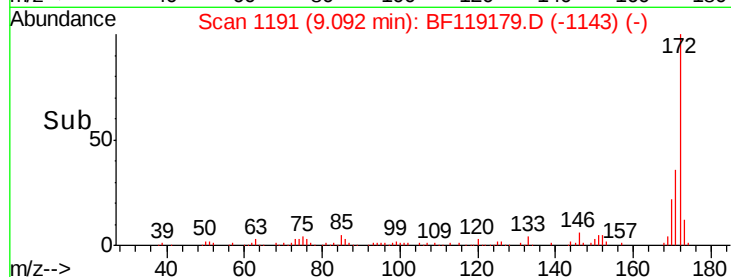
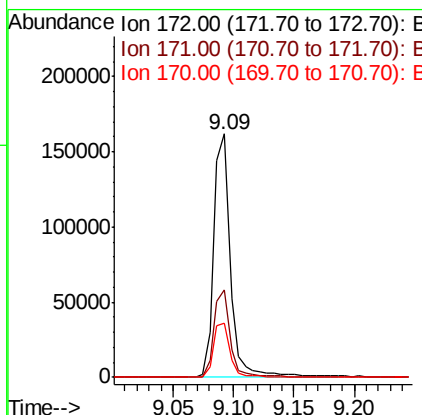
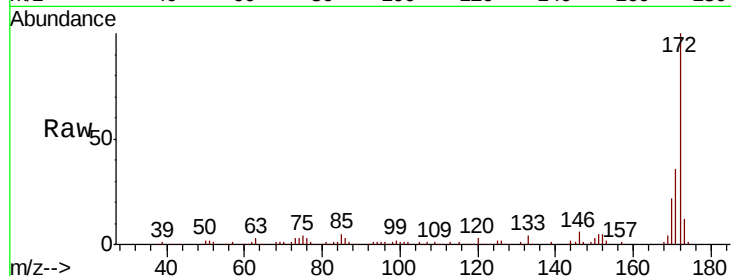




#45
 2-Fluorobiphenyl
 Concen: 9.853 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

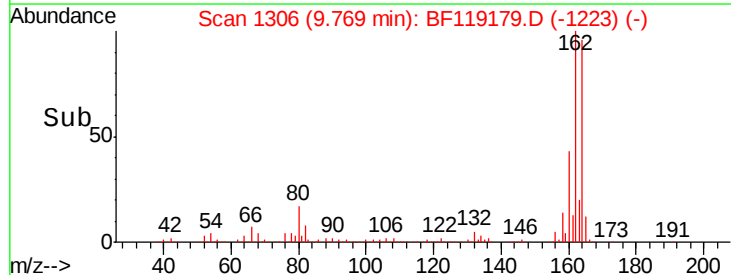
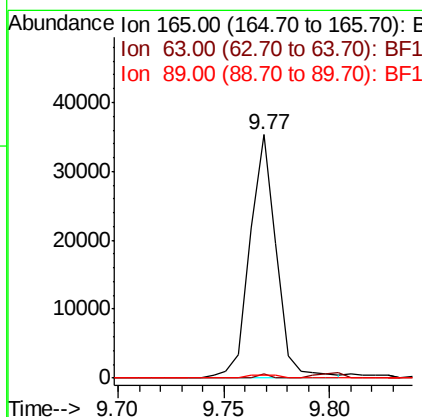
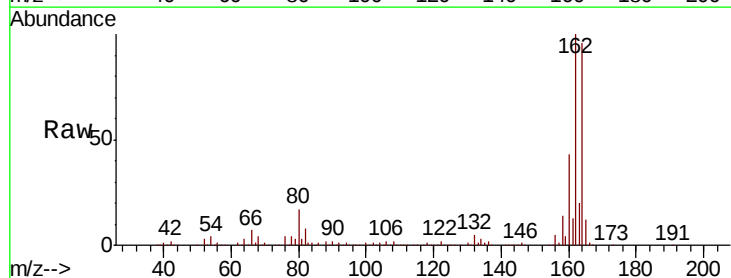
Instrument :
 BNA_F
 ClientSampleId :

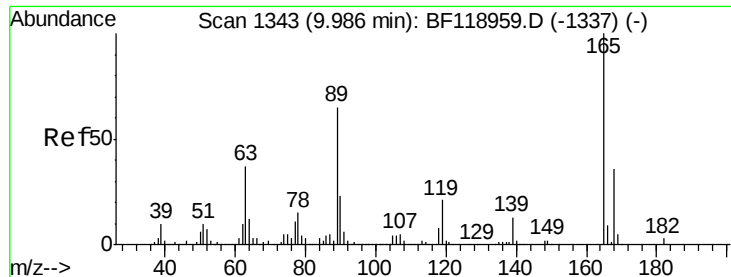
Tot Ion:172 Resp: 153752
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.6 45.8
 170 22.4 20.2 30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.904 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.19 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

Tgt Ion:165 Resp: 30870
 Ion Ratio Lower Upper
 165 100
 63 1.6 34.3 51.5#
 89 1.4 38.3 57.5#

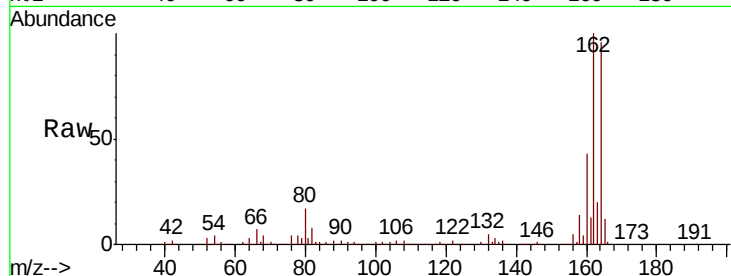




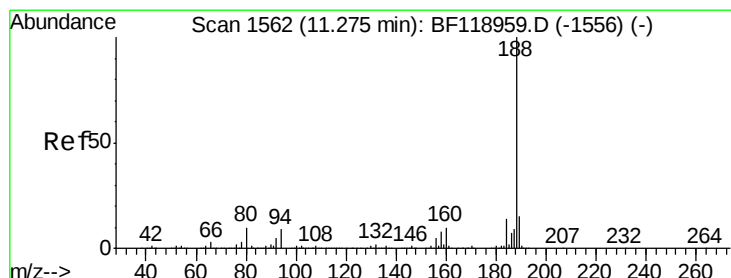
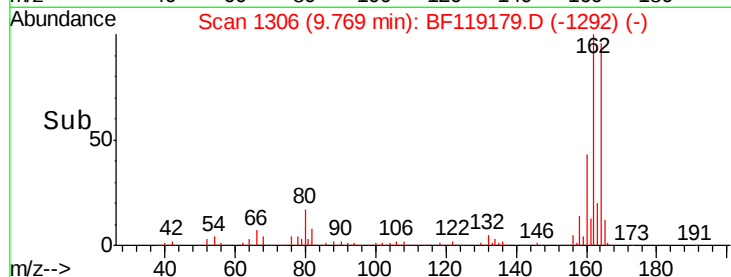
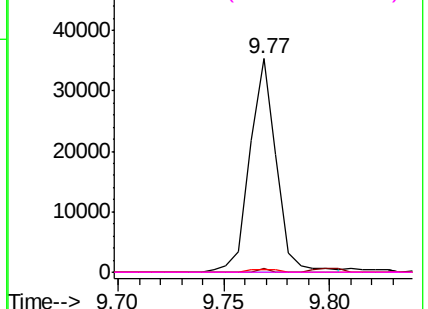
#57
 2,4-Dinitrotoluene
 Concen: 6.098 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.22 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.3	63.5#
89	1.4	60.2	90.4#
182	0.0	2.3	3.5#

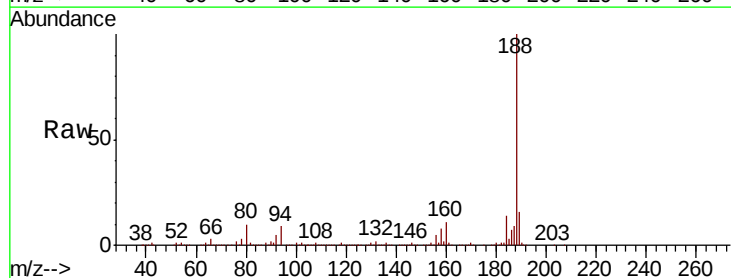


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

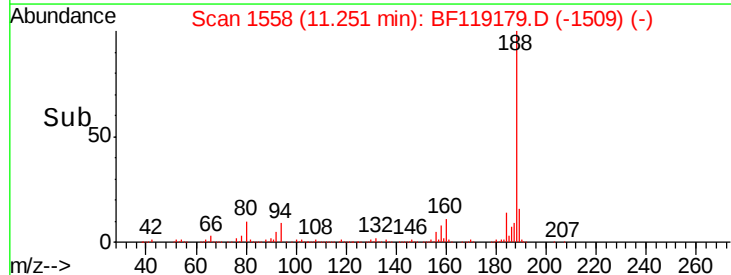
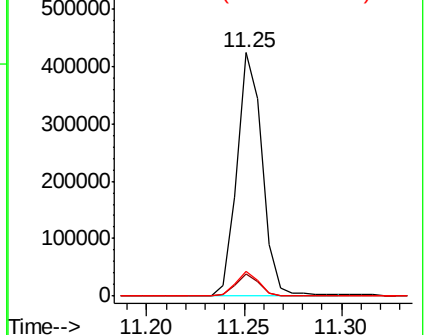


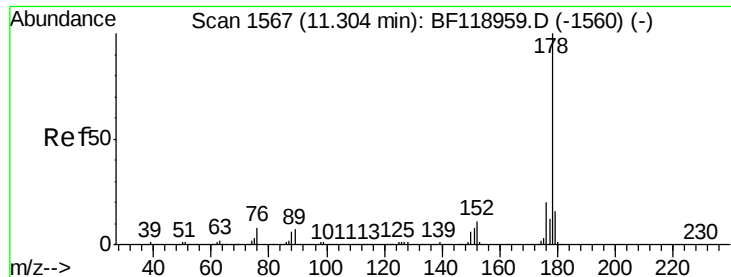
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.1	10.7
80	10.0	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: 7.723 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF119179.D

Acq: 2 Mar 2020 20:21

Instrument :

BNA_F

ClientSampleId :

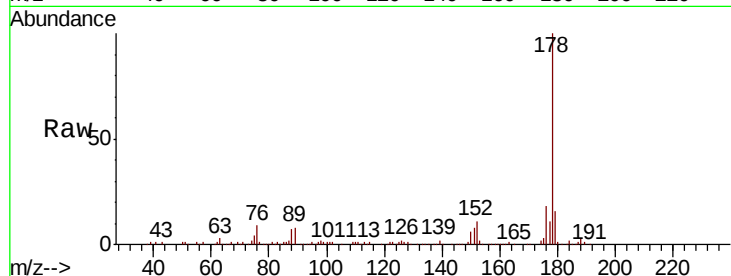
Tot Ion:178 Resp: 160212

Ion Ratio Lower Upper

178 100

176 18.4 16.5 24.7

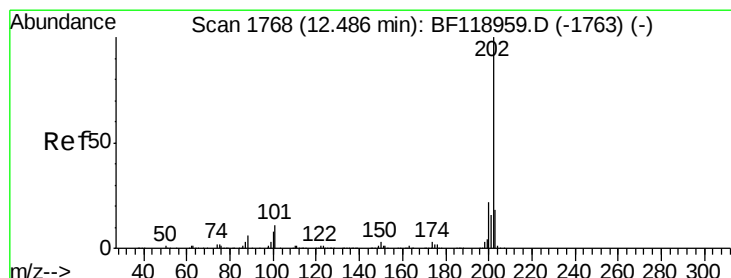
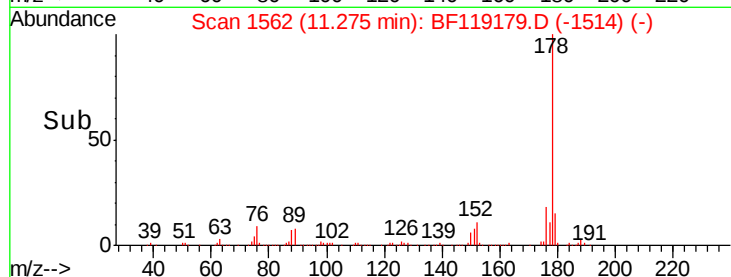
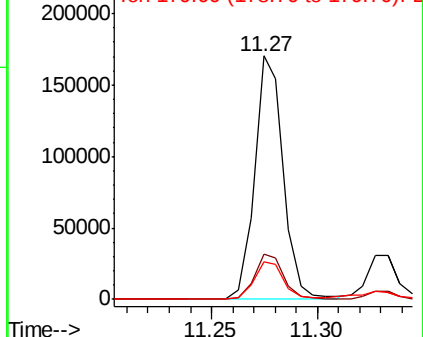
179 15.6 13.0 19.6



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: 8.912 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF119179.D

Acq: 2 Mar 2020 20:21

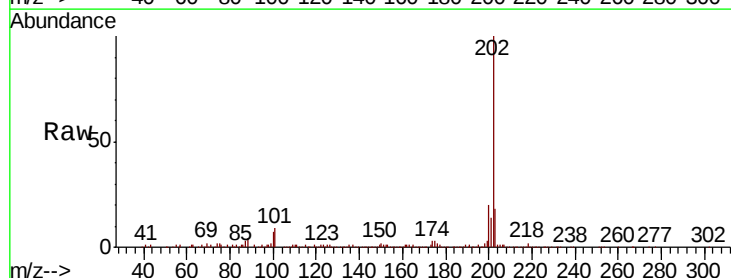
Tgt Ion:202 Resp: 196237

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.3

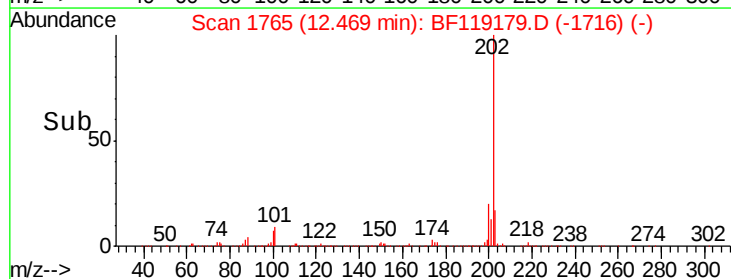
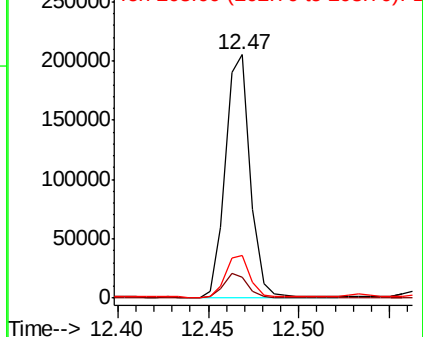
203 17.7 0.0 38.4

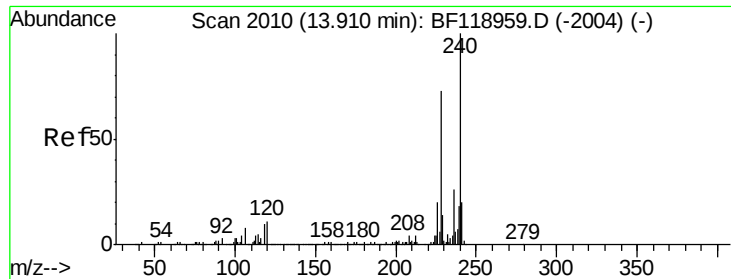


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

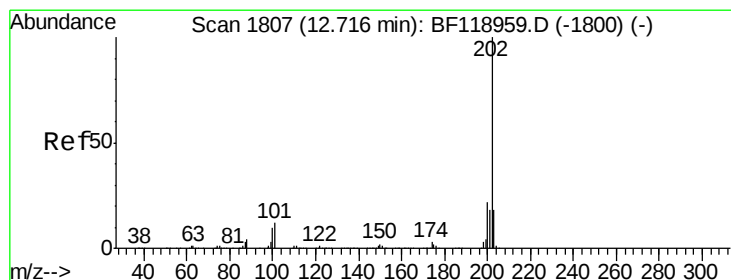
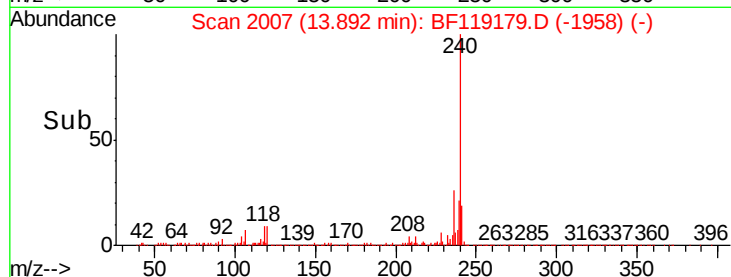
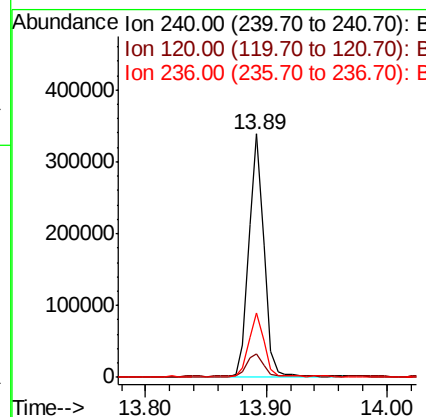
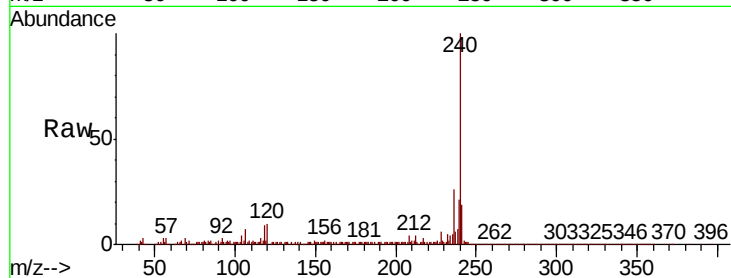




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF119179.D
Acq: 2 Mar 2020 20:21

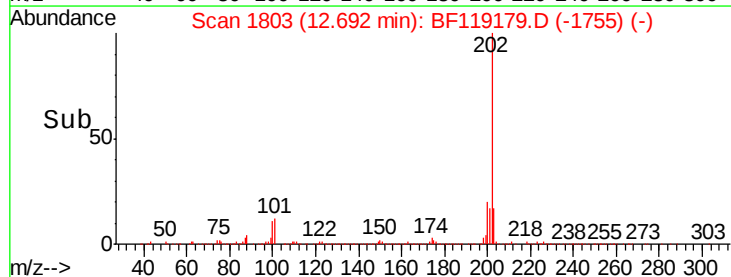
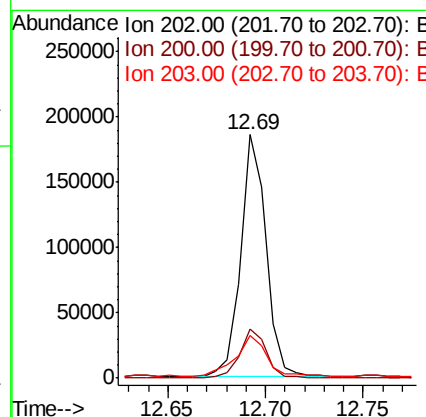
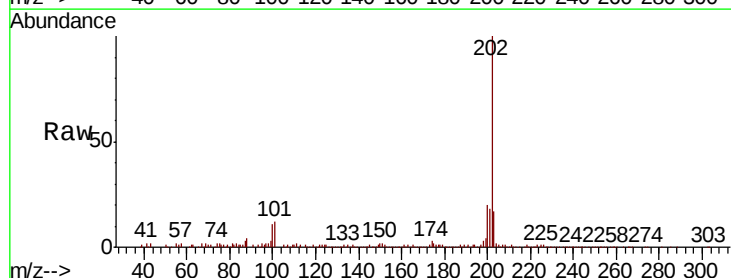
Instrument :
BNA_F
ClientSampleId :

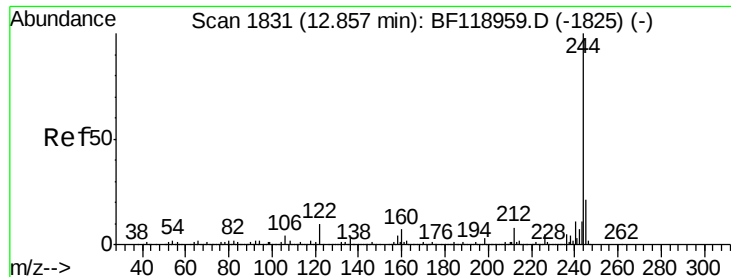
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.4	12.6
236	26.4	21.0	31.4



#78
Pyrene
Concen: 7.023 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF119179.D
Acq: 2 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	18.0	27.0
203	17.4	14.6	22.0

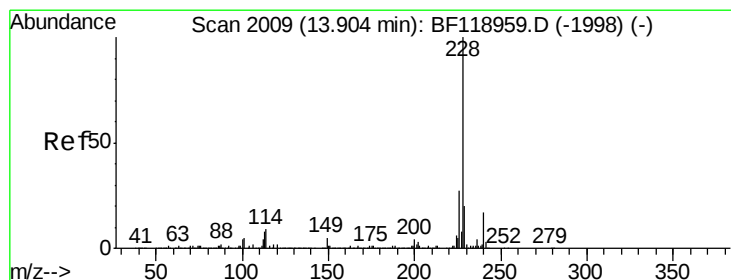
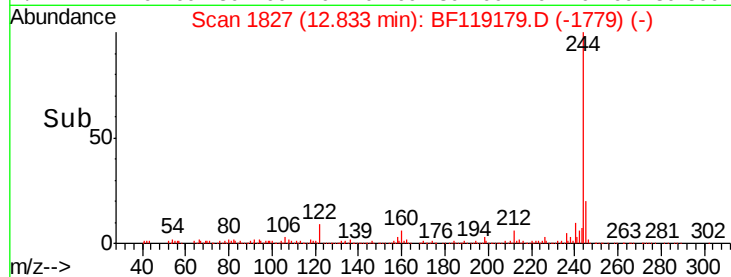
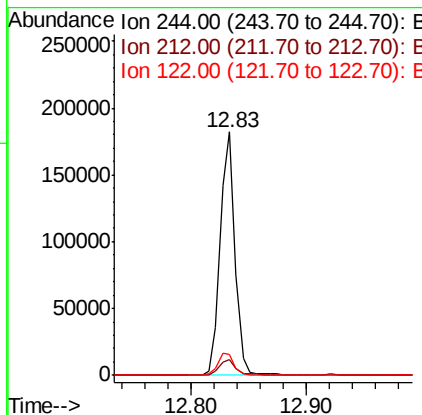
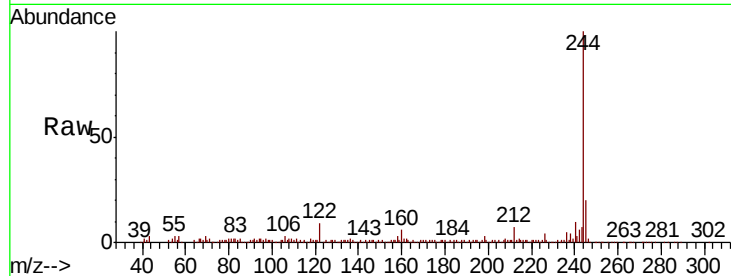




#79
 Terphenyl-d14
 Concen: 9.498 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

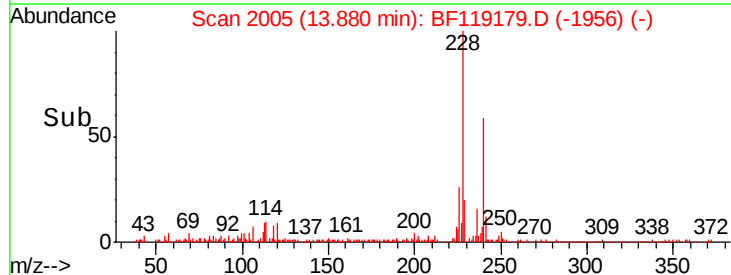
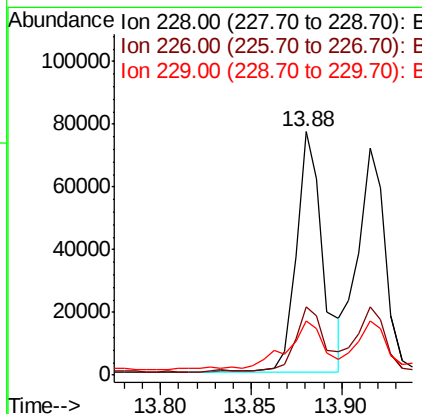
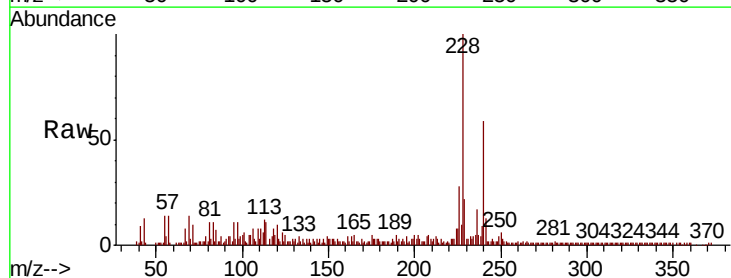
Instrument :
 BNA_F
 ClientSampled :

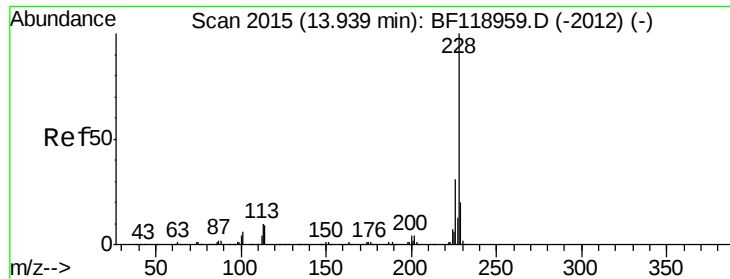
Tot Ion:244 Resp: 164102
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.6 10.0
 122 8.7 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 3.852 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

Tgt Ion:228 Resp: 78065
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 33.8
 229 22.4 16.6 24.8

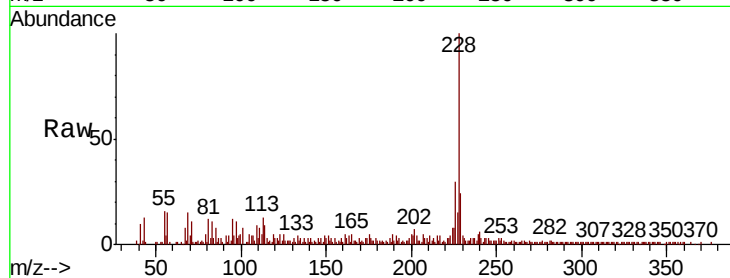




#83
 Chrysene
 Concen: 3.807 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.02 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.1	37.7
229	23.8	16.3	24.5

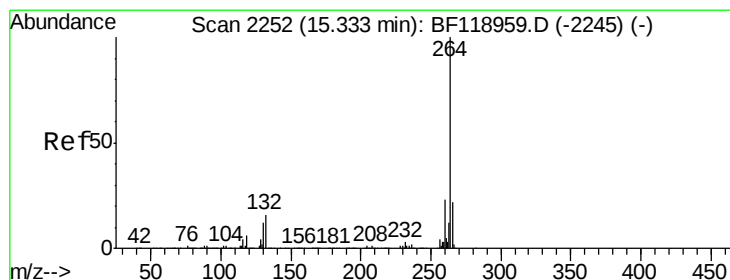
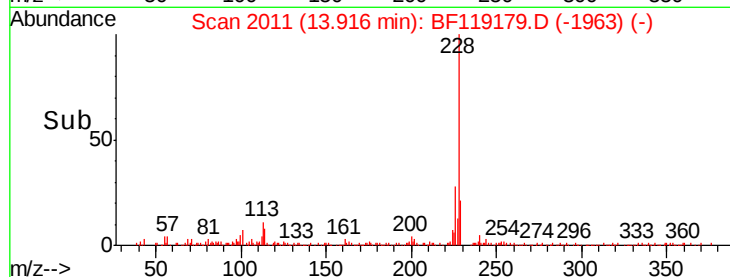
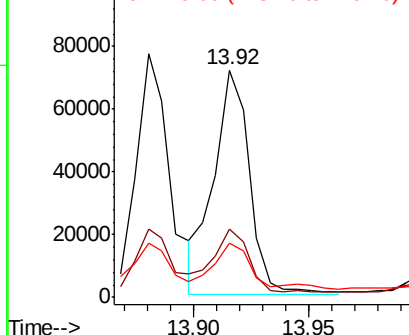


Abundance

Ion 228.00 (227.70 to 228.70): E

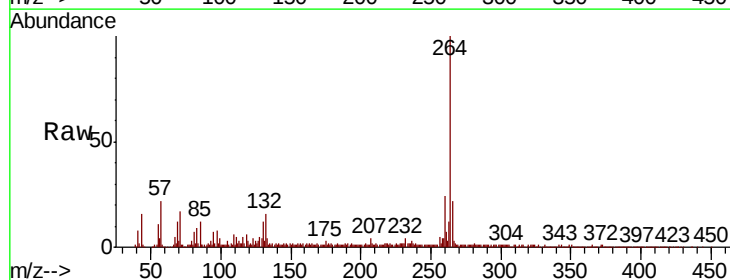
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.4	17.7	26.5

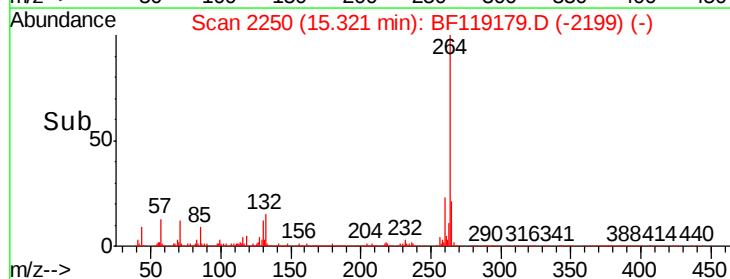
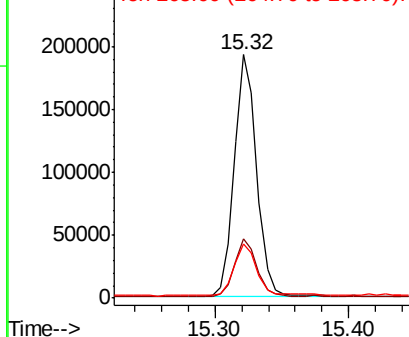


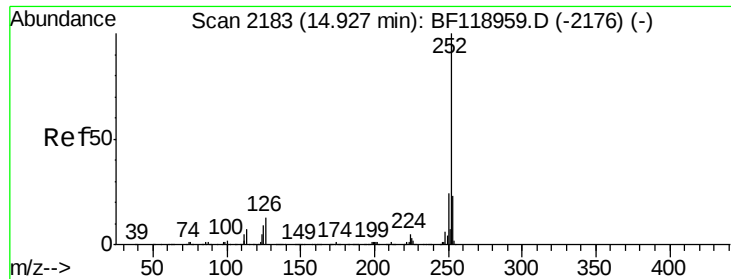
Abundance

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

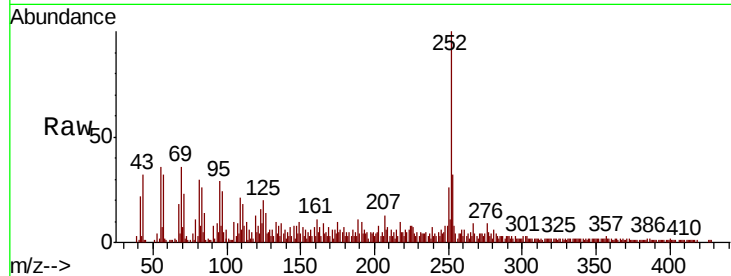




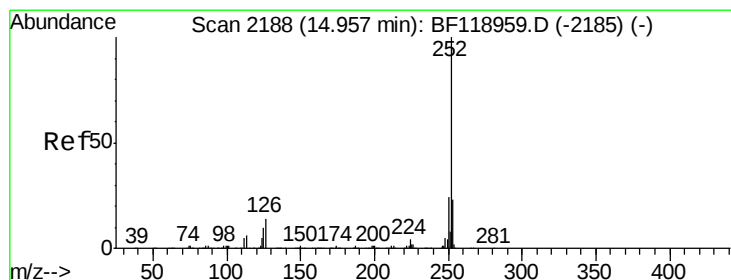
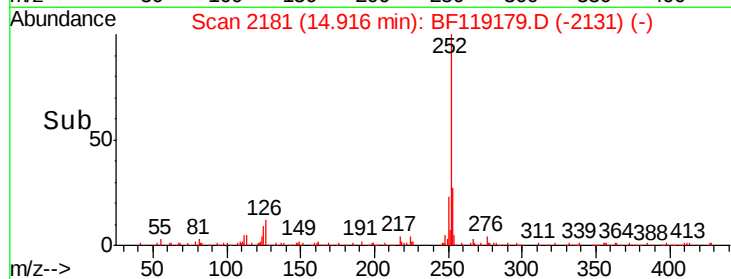
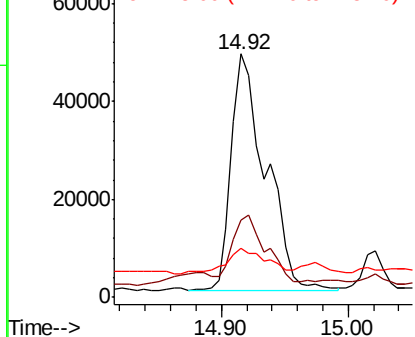
#88
Benzo(b)fluoranthene
Concen: 6.059 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF119179.D
Acq: 2 Mar 2020 20:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.7	18.1	27.1#
125	20.0	7.4	11.0#

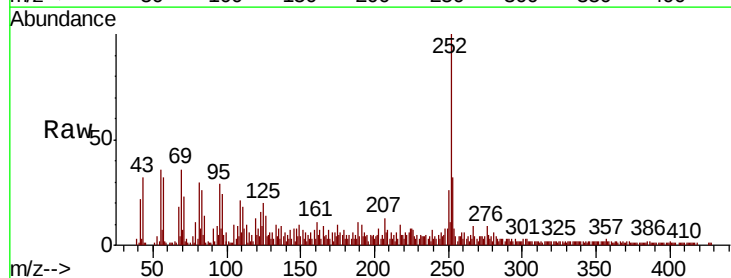


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

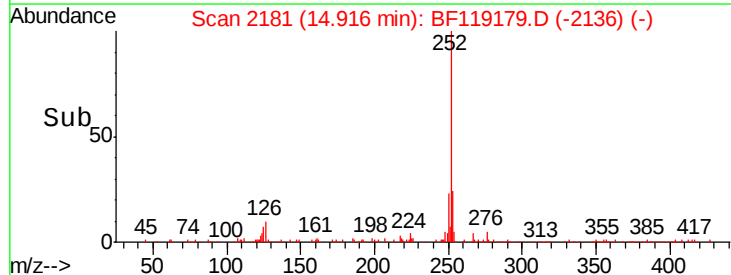
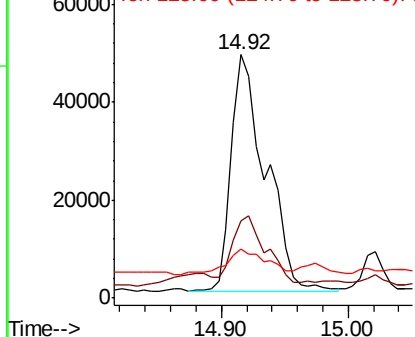


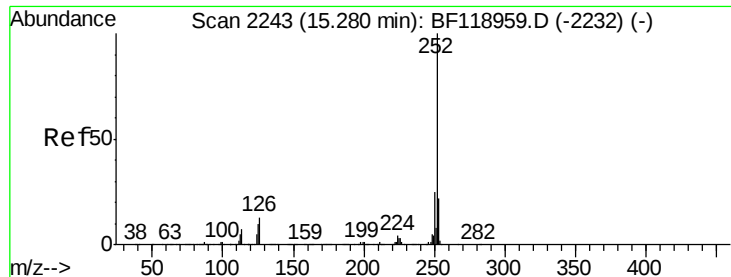
#89
Benzo(k)fluoranthene
Concen: 6.538 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF119179.D
Acq: 2 Mar 2020 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.7	17.8	26.8#
125	20.0	7.5	11.3#



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

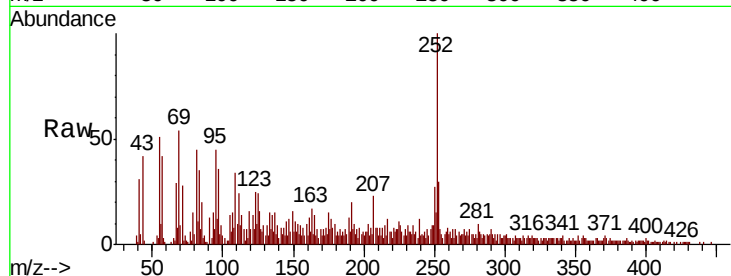




#90
 Benzo(a)pyrene
 Concen: 3.012 ng
 RT: 15.26 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF119179.D
 Acq: 2 Mar 2020 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	18.0	27.0#
125	24.5	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

