

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119178.D
 Acq On : 2 Mar 2020 19:51
 Operator : CG/JU
 Sample : L1735-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 07:21:24 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	116476	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	431239	20.00	ng	-0.02
39) Acenaphthene-d10	9.77	164	212164	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	343402	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	283708	20.00	ng	-0.01
87) Perylene-d12	15.32	264	222342	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	42917	6.16	ng	0.00
7) Phenol-d6	6.39	99	104052	12.28	ng	-0.02
23) Nitrobenzene-d5	7.30	82	76617	9.38	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	1236	0.45	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	167802	11.65	ng	-0.02
79) Terphenyl-d14	12.83	244	179453	10.89	ng	-0.02

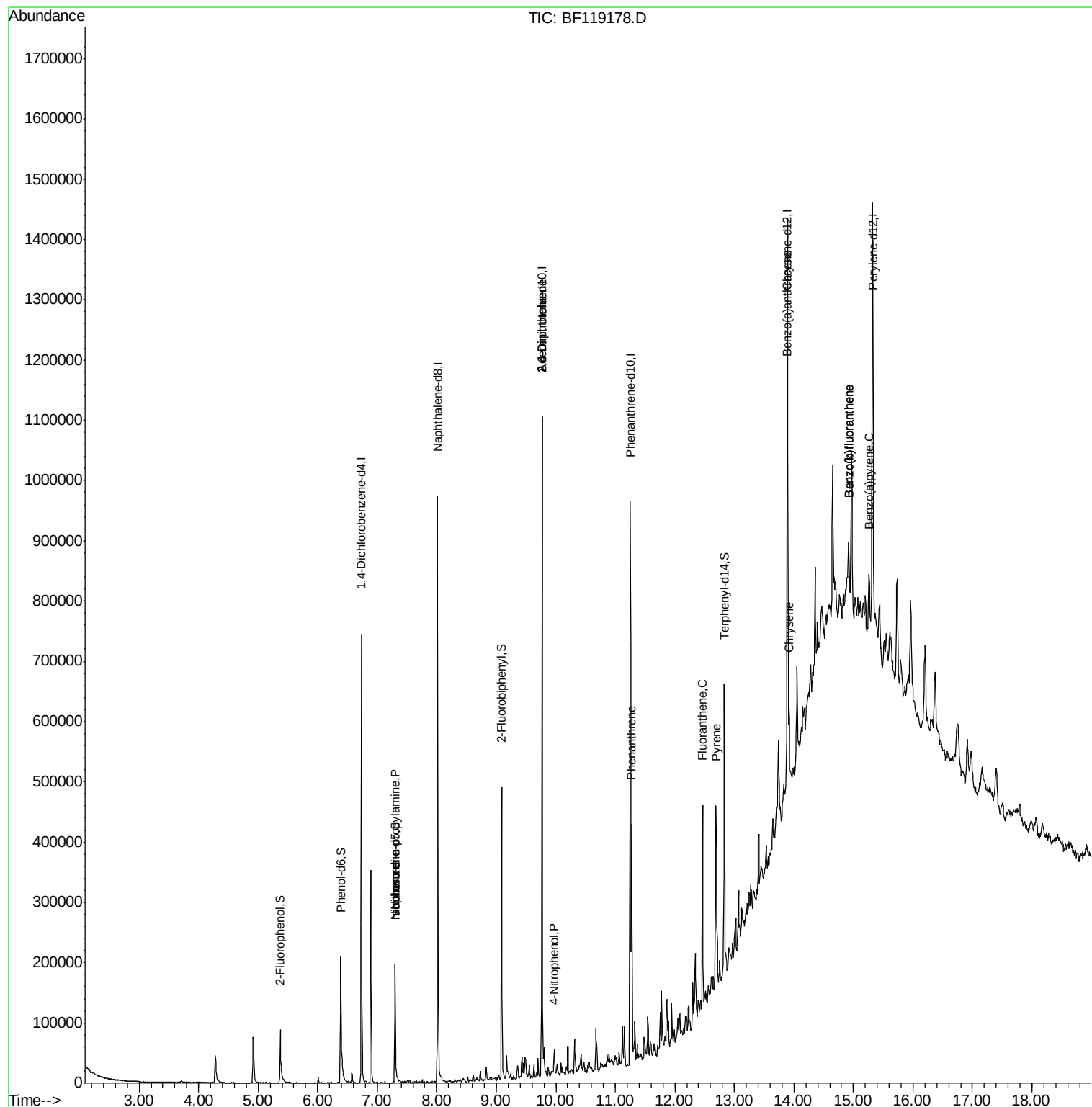
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	10358	2.097	ng	# 75
25) Isophorone	7.30	82	76626	5.402	ng	# 63
51) 2,6-Dinitrotoluene	9.77	165	27675	7.678	ng	# 33
56) 4-Nitrophenol	9.97	139	4886	2.035	ng	# 15
57) 2,4-Dinitrotoluene	9.77	165	27675	5.924	ng	# 21
71) Phenanthrene	11.27	178	135060	7.212	ng	97
75) Fluoranthene	12.46	202	137219	6.903	ng	99
78) Pyrene	12.69	202	122677	5.385	ng	96
81) Benzo(a)anthracene	13.88	228	55386	2.865	ng	# 95
83) Chrysene	13.92	228	55529	2.883	ng	# 94
88) Benzo(b)fluoranthene	14.92	252	68379	4.666	ng	# 69
89) Benzo(k)fluoranthene	14.92	252	68379	5.035	ng	# 68
90) Benzo(a)pyrene	15.26	252	31047	2.347	ng	# 79

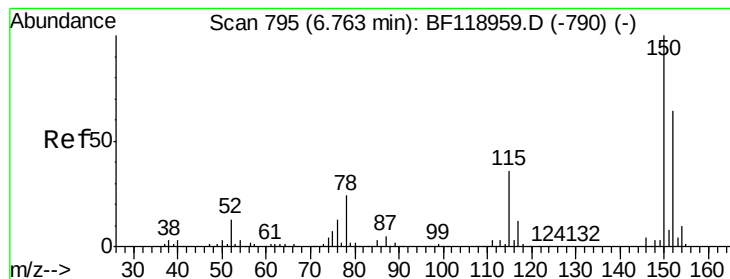
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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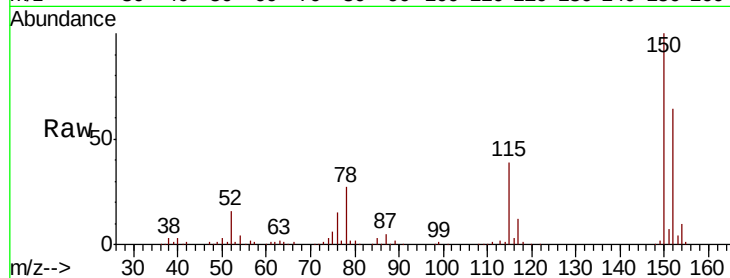


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.0	184.6
115	61.5	49.5	74.3

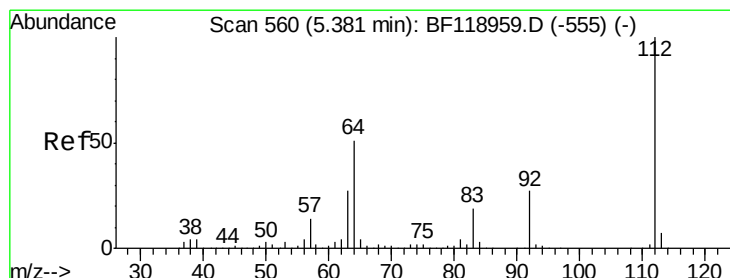
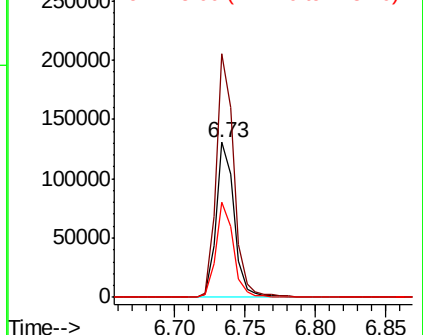
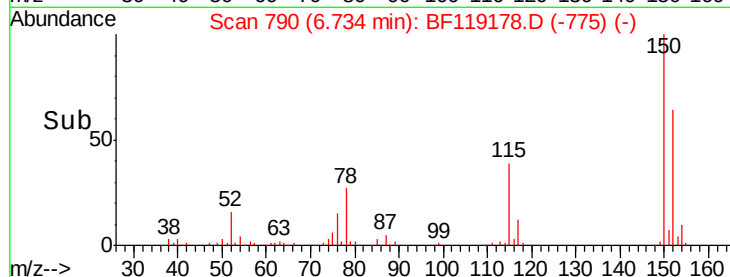


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

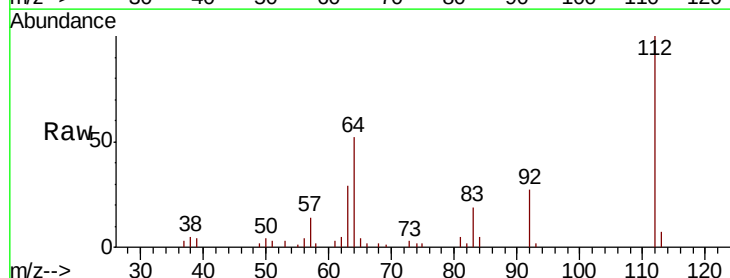
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.158 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	45.0	67.4
63	29.5	24.2	36.4

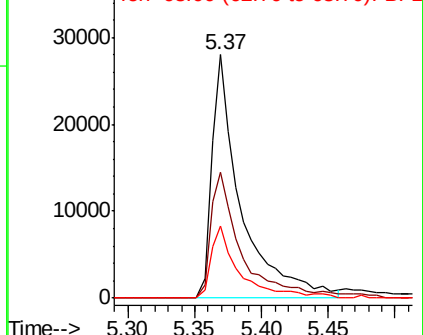
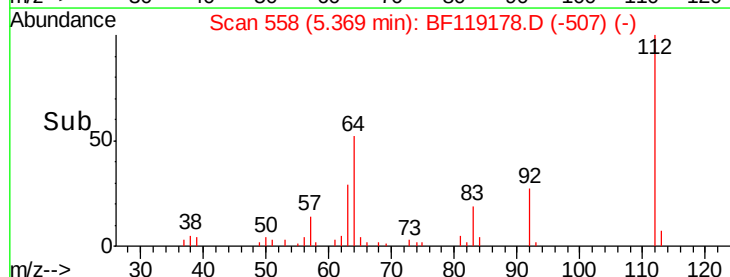


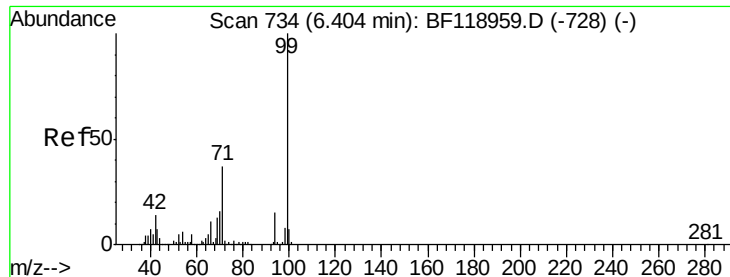
Abundance

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: 12.275 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

Instrument :

BNA_F

ClientSampled :

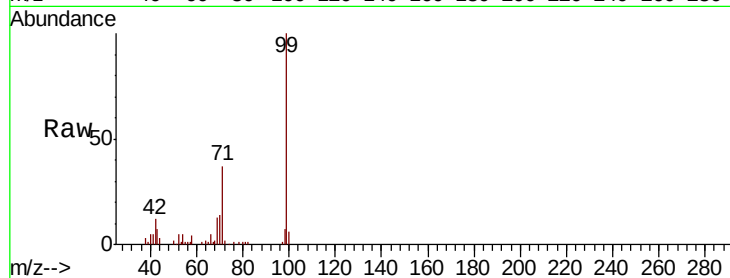
Tot Ion: 99 Resp: 104052

Ion Ratio Lower Upper

99 100

42 12.5 12.6 18.8#

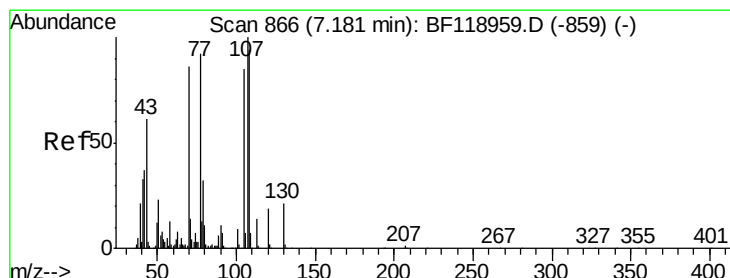
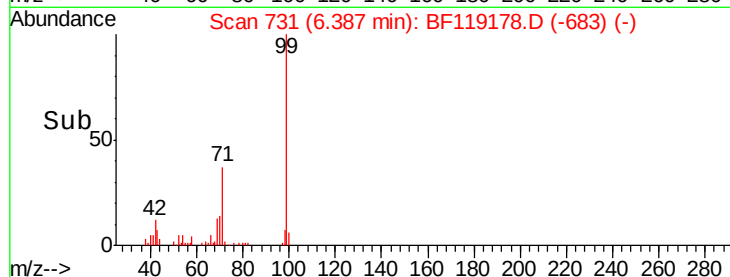
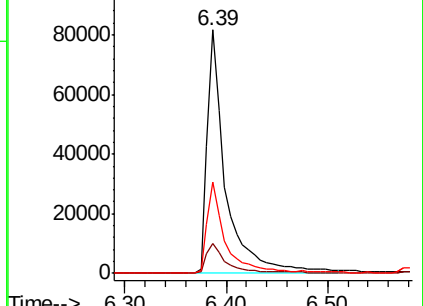
71 37.5 31.0 46.4



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: 2.097 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

Tgt Ion: 70 Resp: 10358

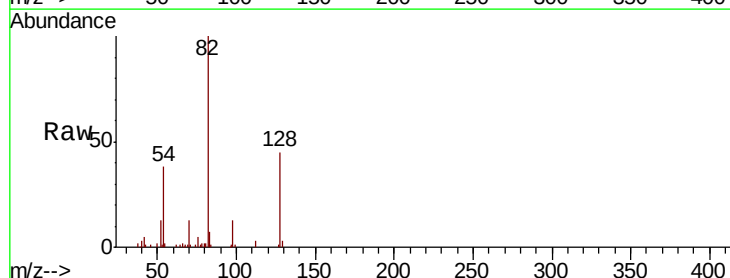
Ion Ratio Lower Upper

70 100

42 38.7 38.0 57.0

101 0.0 8.2 12.4#

130 0.0 18.2 27.4#

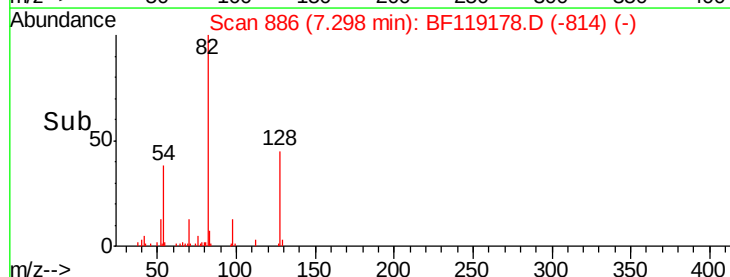
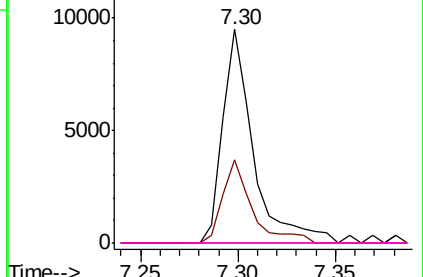


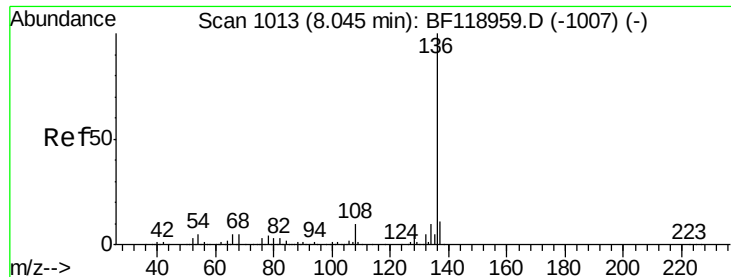
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

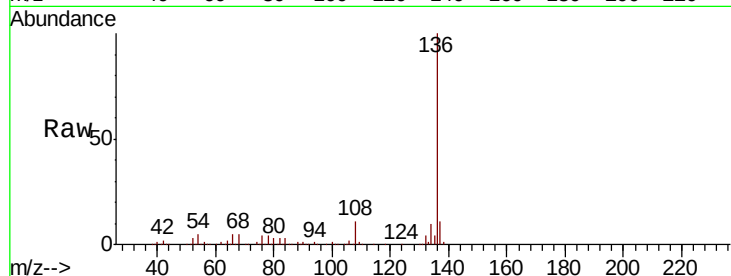




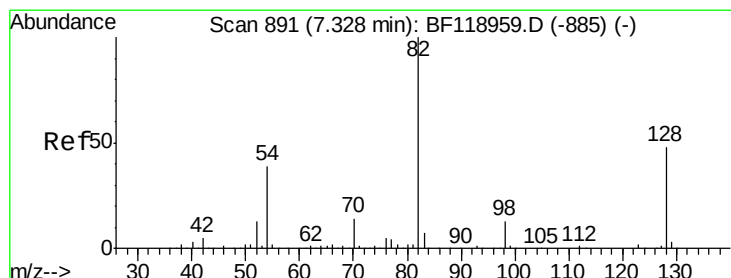
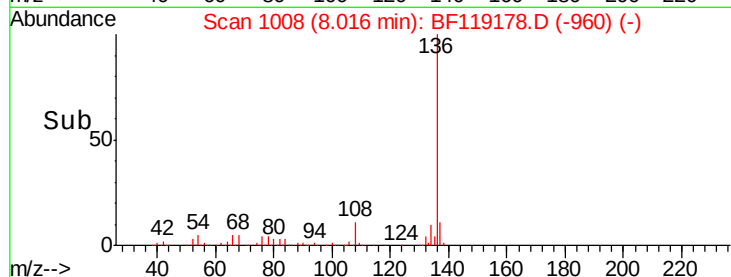
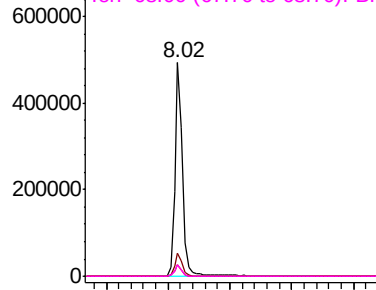
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	431239
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.8	13.2
54 5.5	3.8	5.6
68 5.3	3.9	5.9

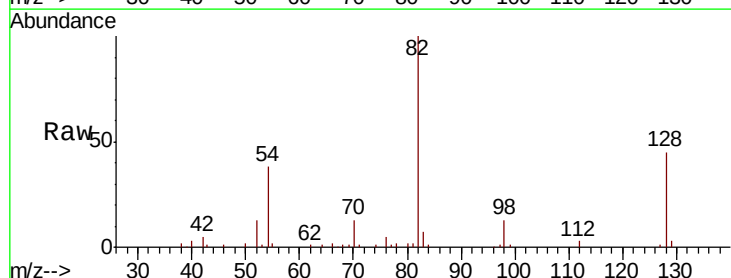


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

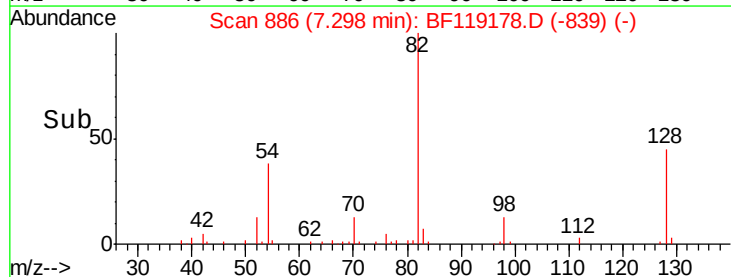
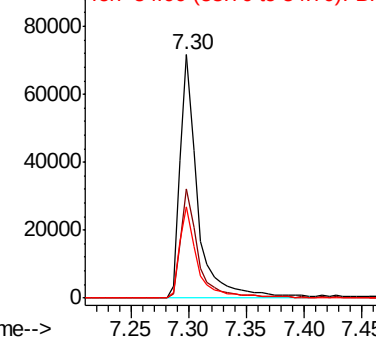


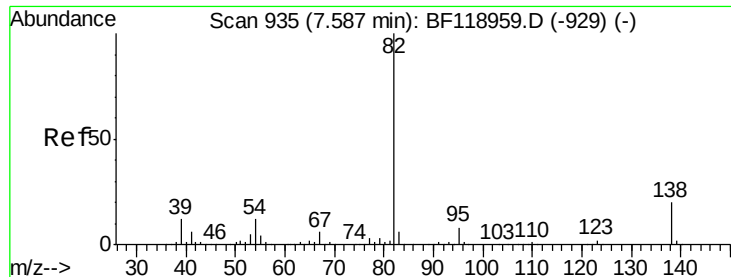
#23
Nitrobenzene-d5
Concen: 9.381 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

Tgt Ion: 82	Resp: 76617
Ion Ratio	Lower Upper
82 100	
128 45.0	37.9 56.9
54 37.7	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: 5.402 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

Instrument :

BNA_F

ClientSampled :

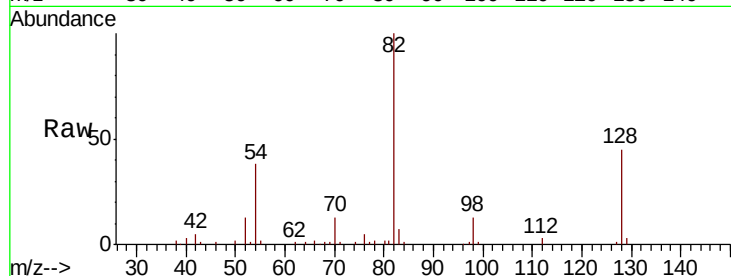
Tot Ion: 82 Resp: 76626

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

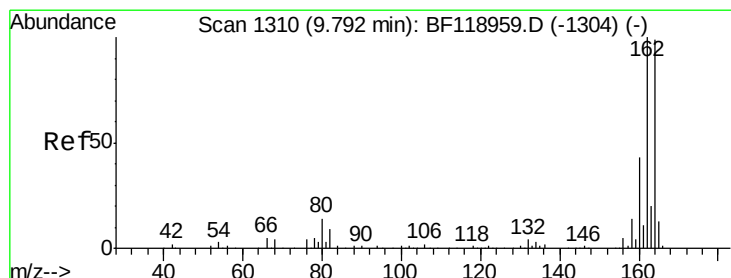
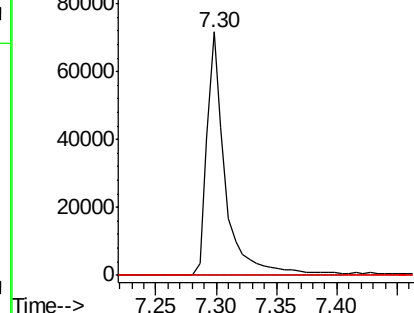
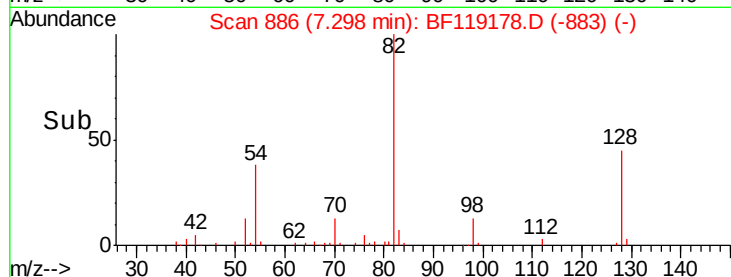
138 0.0 15.7 23.5#



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: BF119178.D

Acq: 2 Mar 2020 19:51

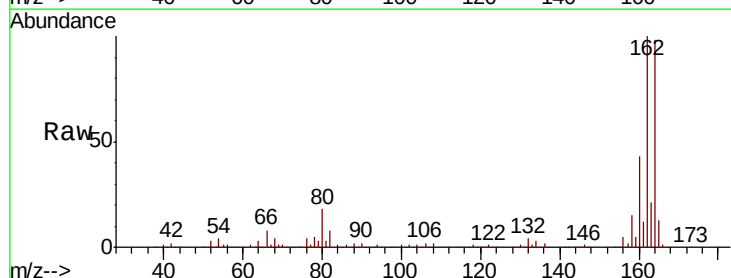
Tgt Ion:164 Resp: 212164

Ion Ratio Lower Upper

164 100

162 102.1 81.8 122.8

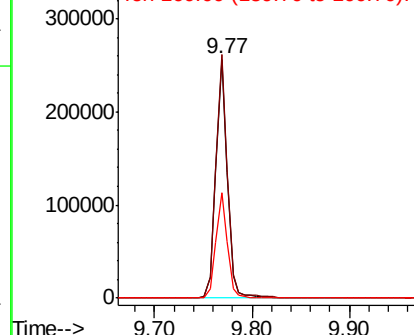
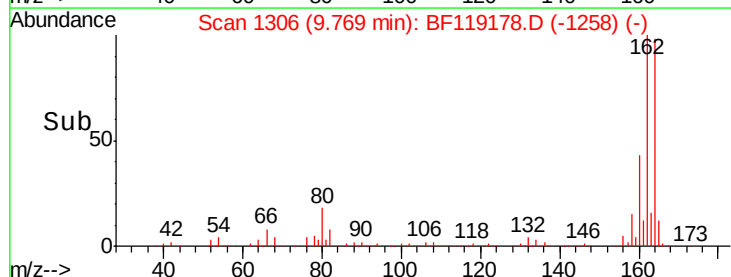
160 44.2 36.0 54.0

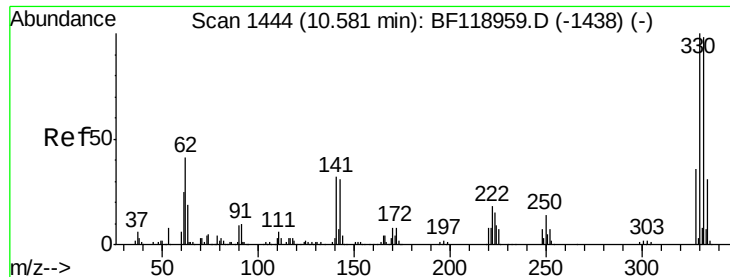


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

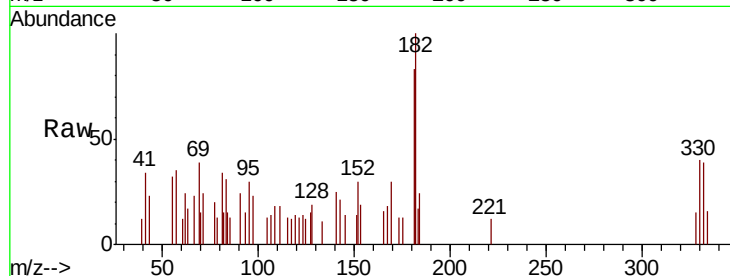




#42
 2,4,6-Tribromophenol
 Concen: 0.445 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF119178.D
 Acq: 2 Mar 2020 19:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	88.1	76.0	114.0
141	96.4	22.9	34.3#

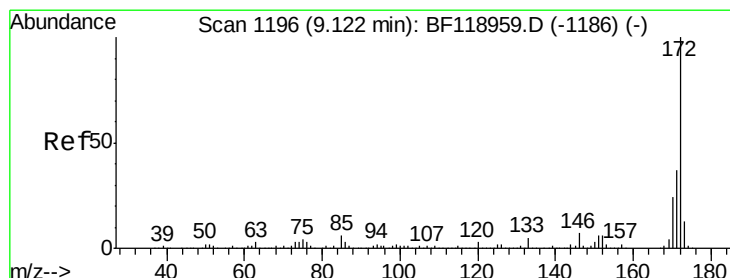
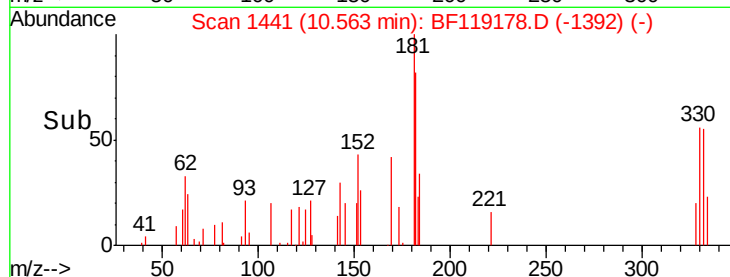
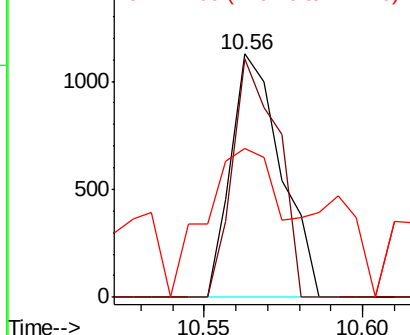


Abundance

Ion 329.80 (329.50 to 330.50): E

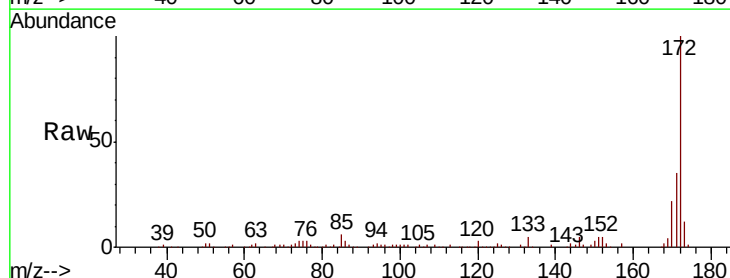
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 11.651 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF119178.D
 Acq: 2 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.6	45.8
170	22.4	20.2	30.2

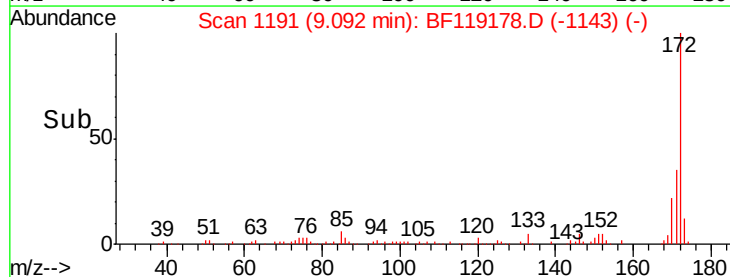
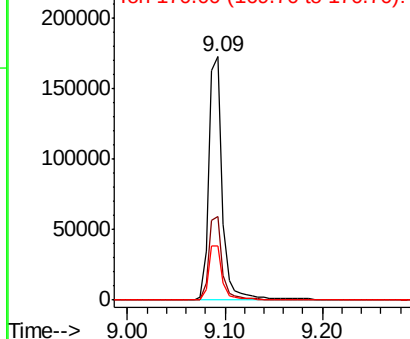


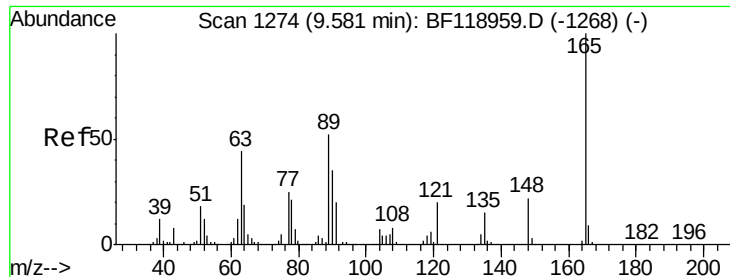
Abundance

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: 7.678 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.19 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

Instrument :

BNA_F

ClientSampleId :

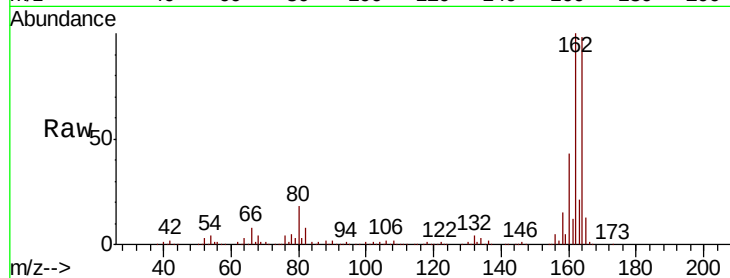
Tot Ion:165 Resp: 27675

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

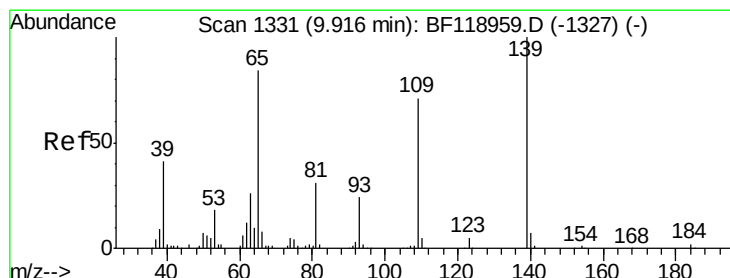
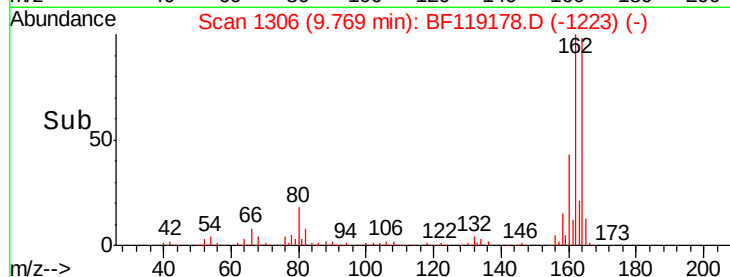
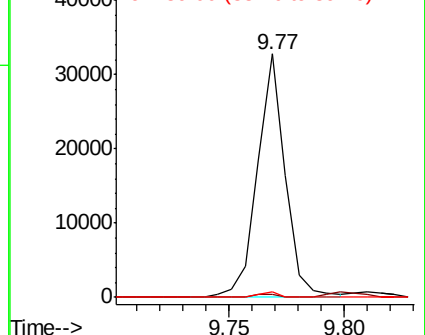
89 2.1 38.3 57.5#



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: 2.035 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.05 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

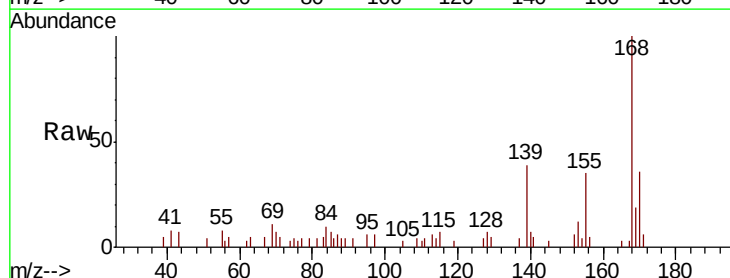
Tgt Ion:139 Resp: 4886

Ion Ratio Lower Upper

139 100

109 10.3 56.7 96.7#

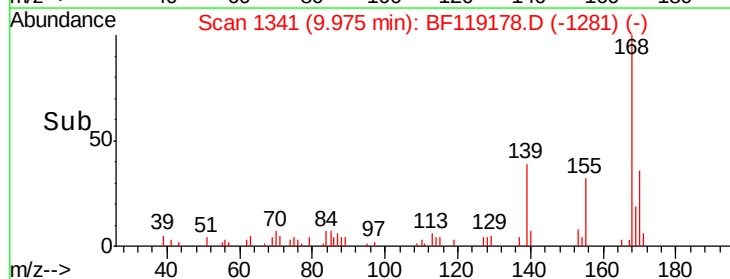
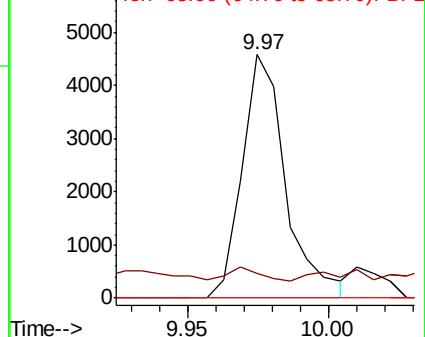
65 0.0 65.0 105.0#

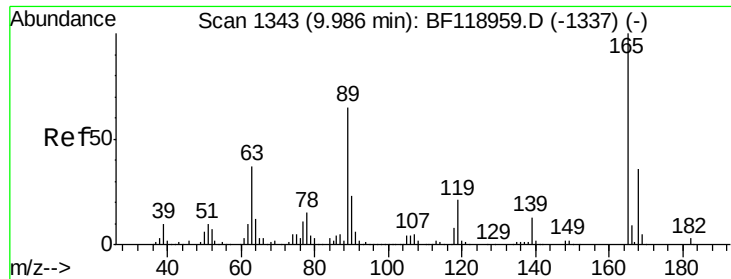


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

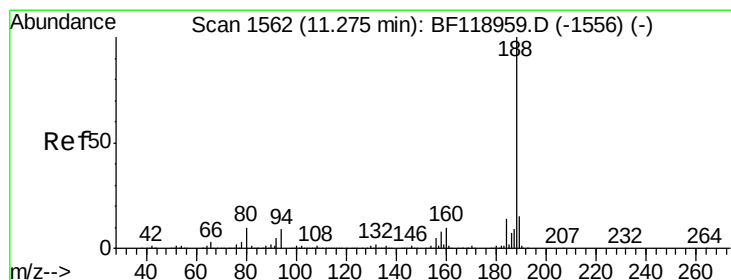
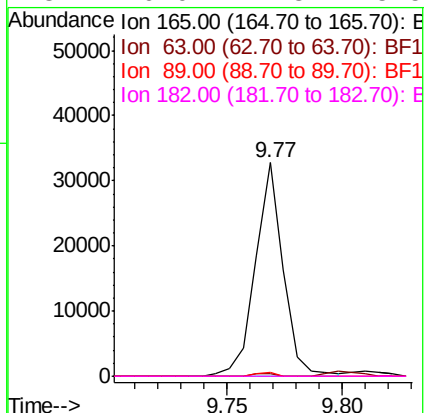
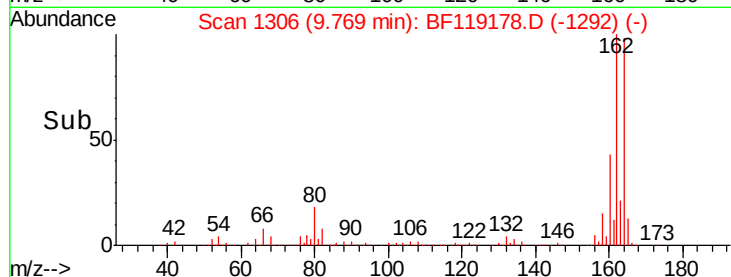
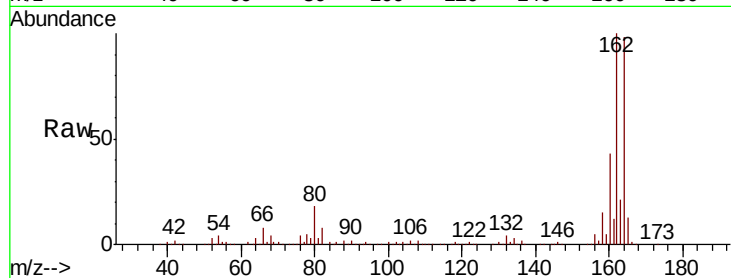




#57
 2,4-Dinitrotoluene
 Concen: 5.924 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.22 min
 Lab File: BF119178.D
 Acq: 2 Mar 2020 19:51

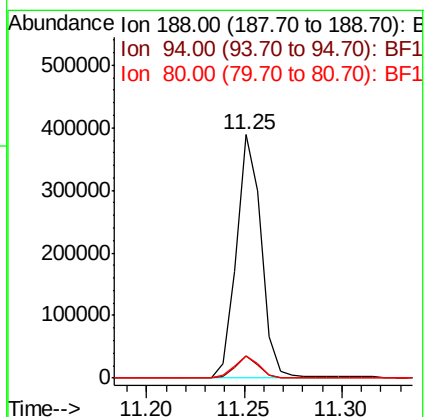
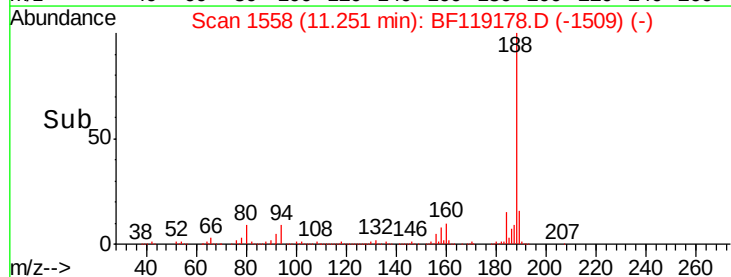
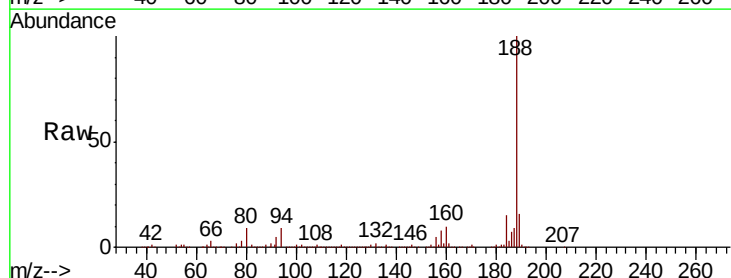
Instrument :
 BNA_F
 ClientSampled :

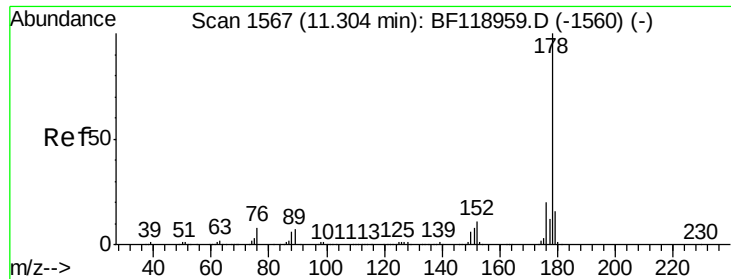
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.3	63.5#
89	2.1	60.2	90.4#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF119178.D
 Acq: 2 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.1	10.7
80	9.0	7.8	11.8





#71

Phenanthrene

Concen: 7.212 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

Instrument :

BNA_F

ClientSampleId :

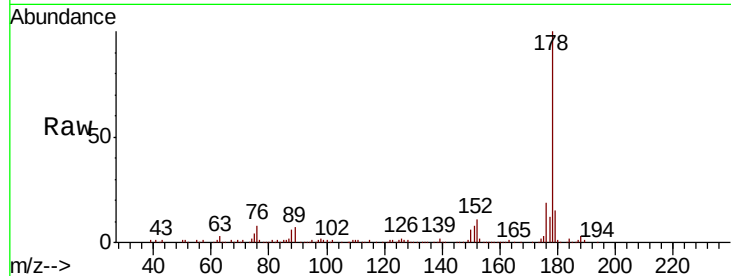
Tot Ion:178 Resp: 135060

Ion Ratio Lower Upper

178 100

176 19.2 16.5 24.7

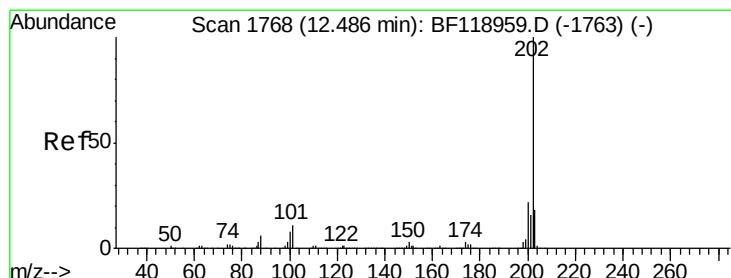
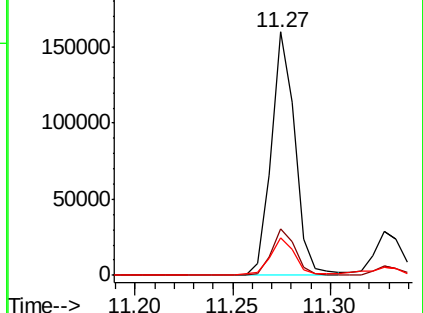
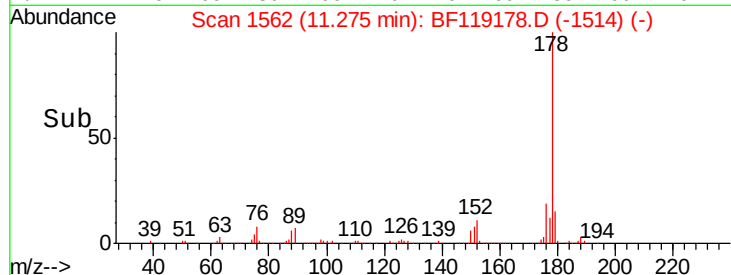
179 15.5 13.0 19.6



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: 6.903 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

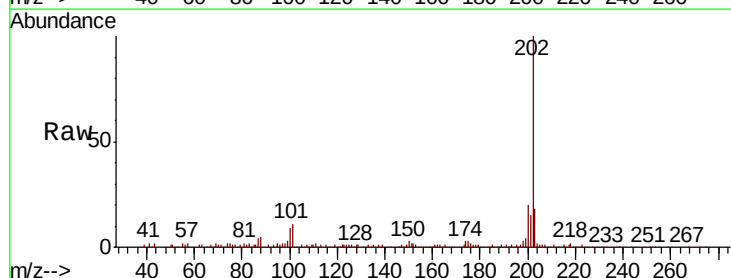
Tgt Ion:202 Resp: 137219

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.3

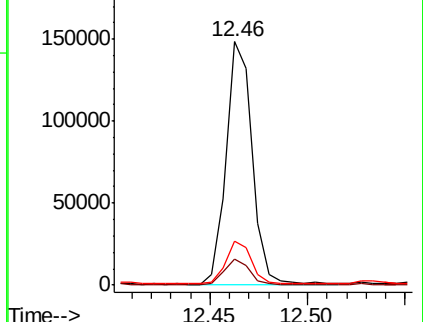
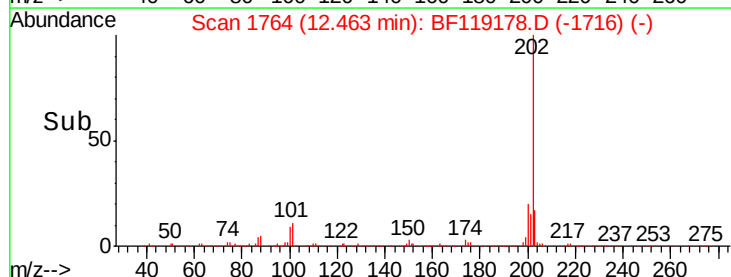
203 17.8 0.0 38.4

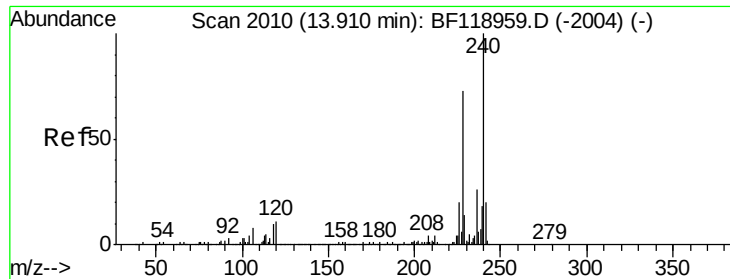


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

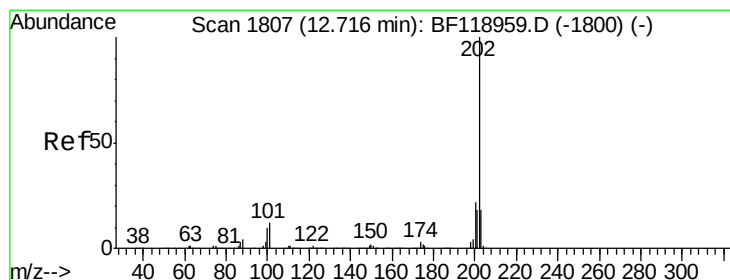
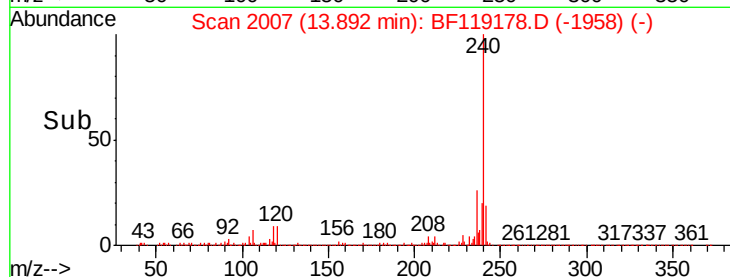
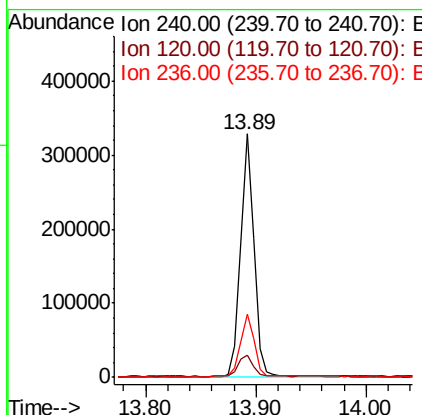
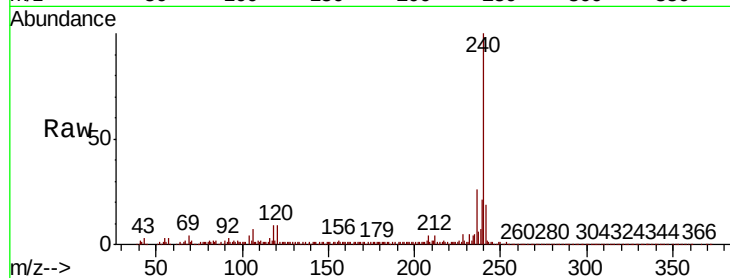




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

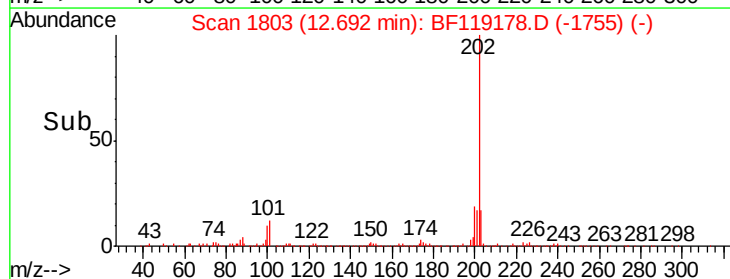
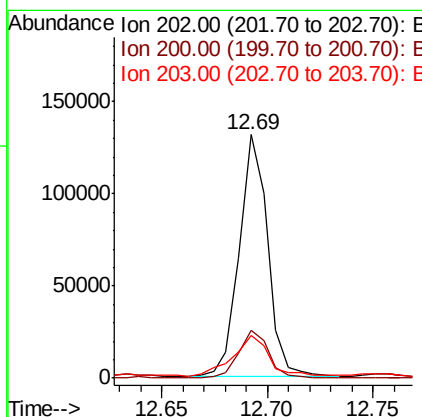
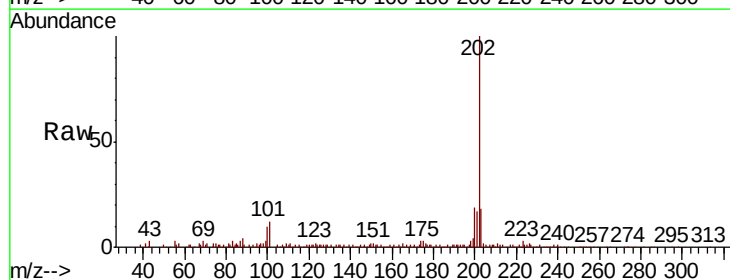
Instrument :
BNA_F
ClientSampleId :

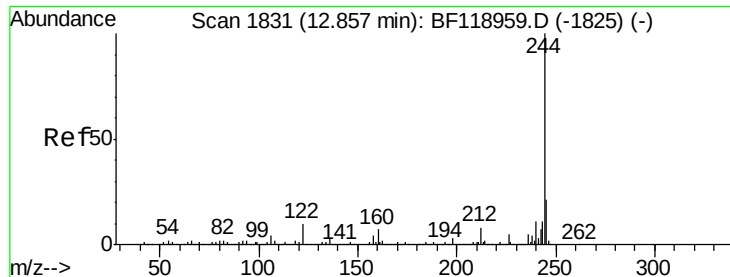
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	26.2	21.0	31.4



#78
Pyrene
Concen: 5.385 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	18.0	27.0
203	17.6	14.6	22.0





#79

Terphenyl-d14

Concen: 10.890 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

Instrument :

BNA_F

ClientSampled :

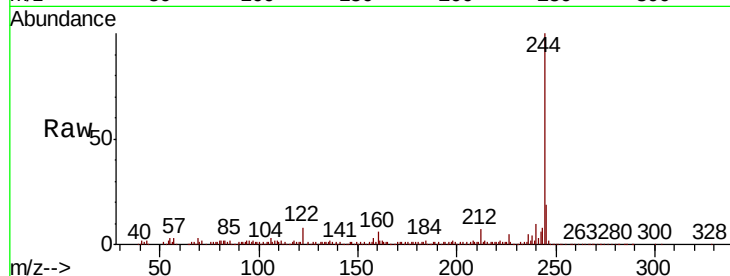
Tot Ion:244 Resp: 179453

Ion Ratio Lower Upper

244 100

212 6.6 6.6 10.0#

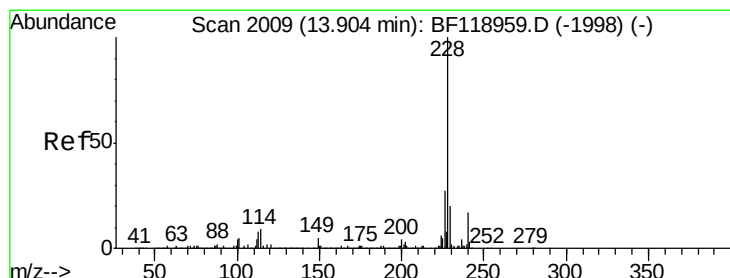
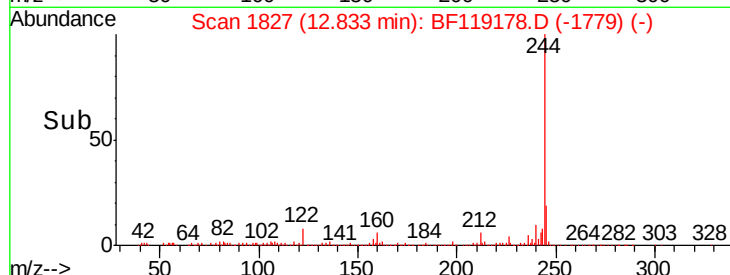
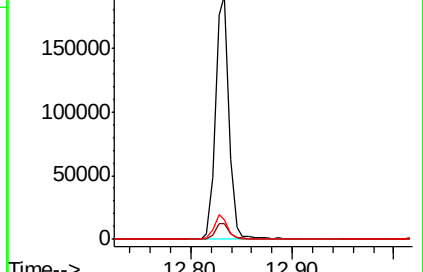
122 8.3 8.2 12.2



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: 2.865 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF119178.D

Acq: 2 Mar 2020 19:51

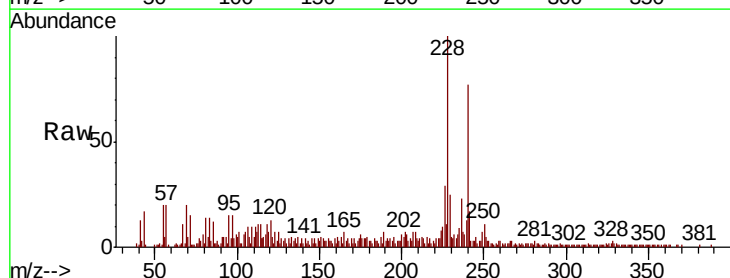
Tgt Ion:228 Resp: 55386

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

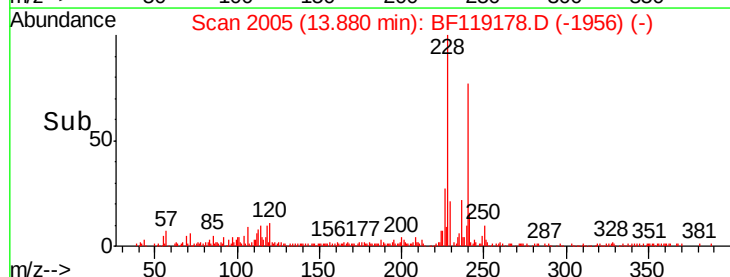
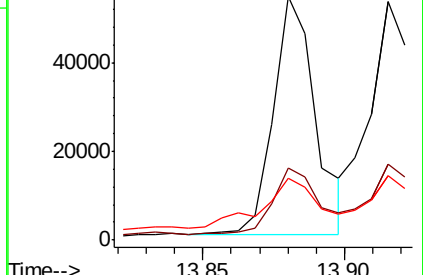
229 25.3 16.6 24.8#

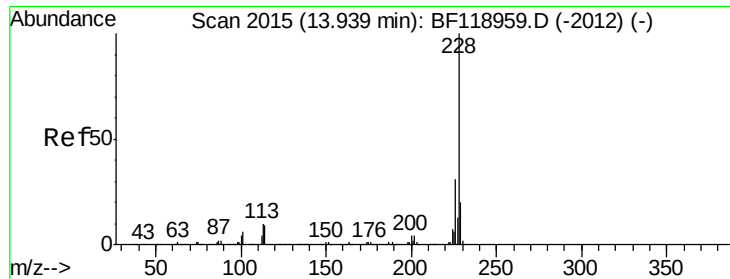


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

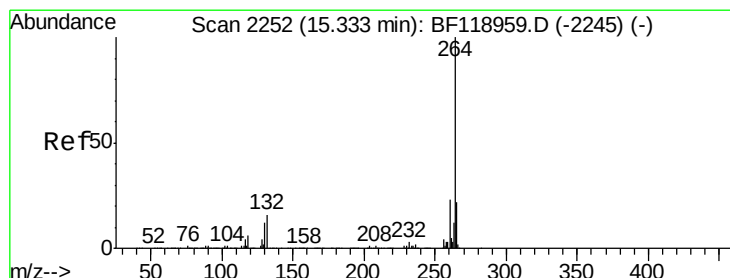
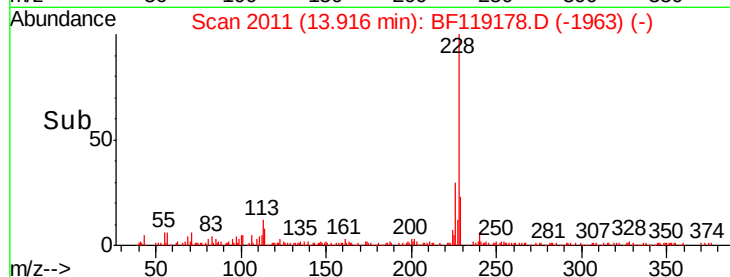
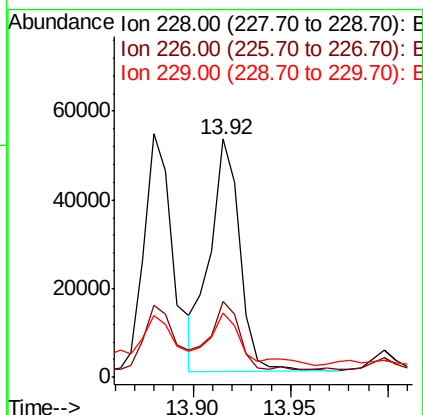
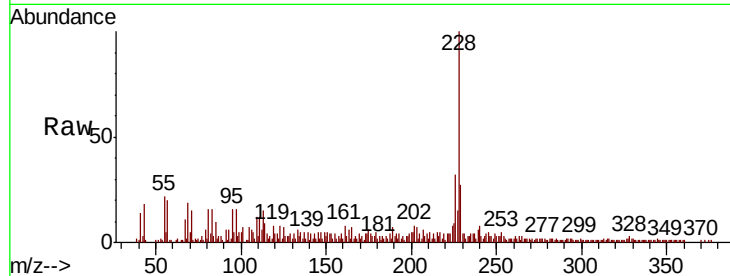




#83
Chrysene
Concen: 2.883 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

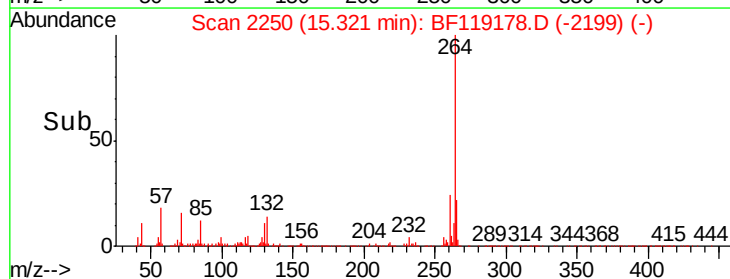
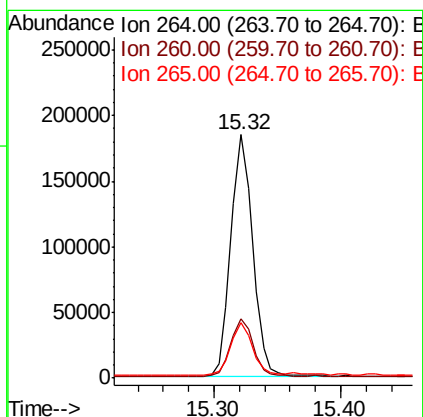
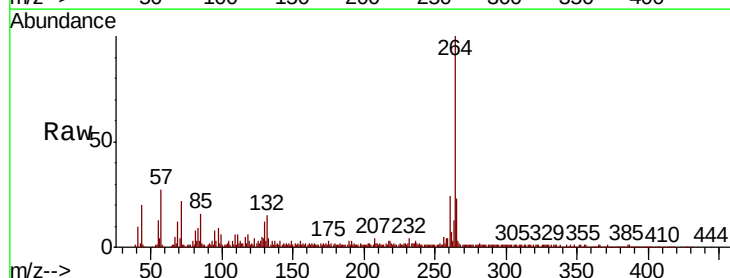
Instrument :
BNA_F
ClientSampleId :

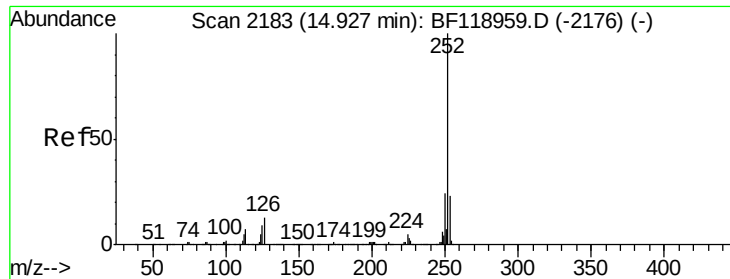
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.1	37.7
229	26.9	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.6	17.7	26.5

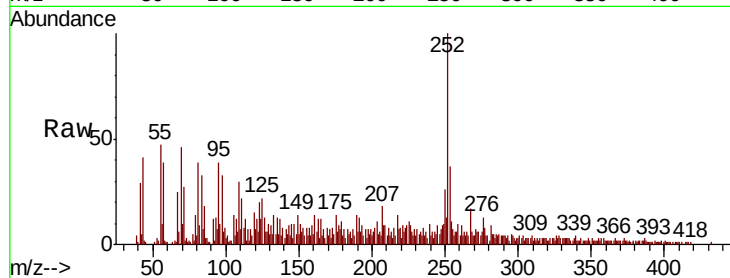




#88
Benzo(b)fluoranthene
Concen: 4.666 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.8	18.1	27.1#
125	22.4	7.4	11.0#

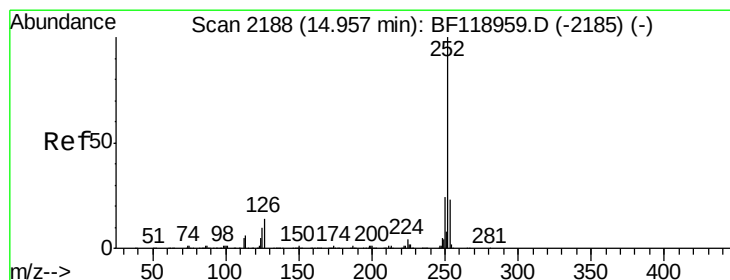
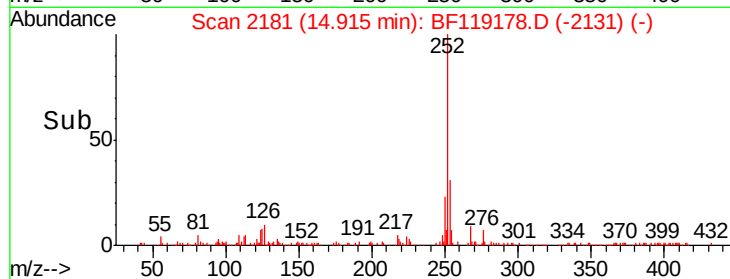
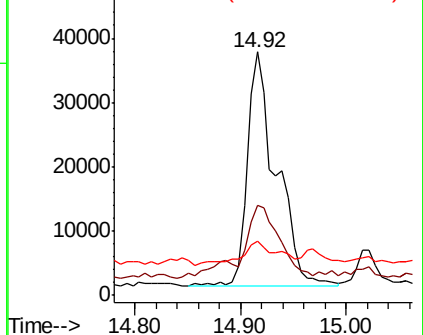


Abundance

Ion 252.00 (251.70 to 252.70): E

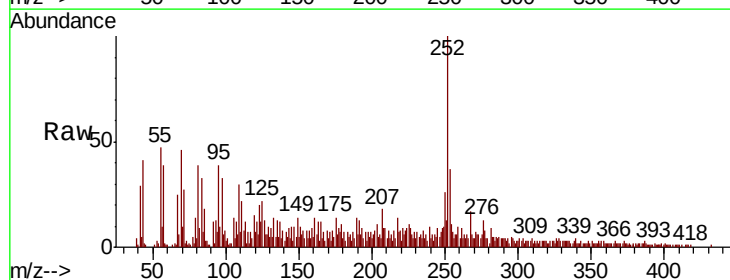
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 5.035 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF119178.D
Acq: 2 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.8	17.8	26.8#
125	22.4	7.5	11.3#

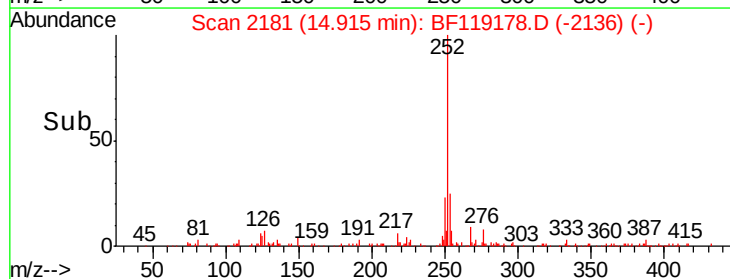
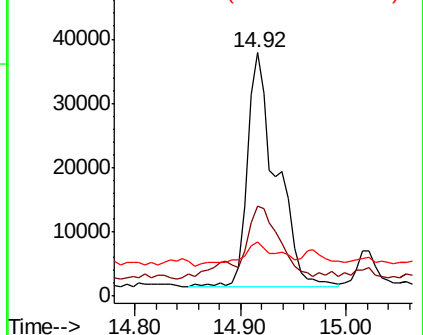


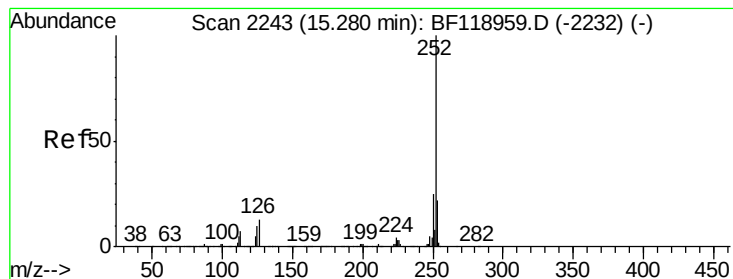
Abundance

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

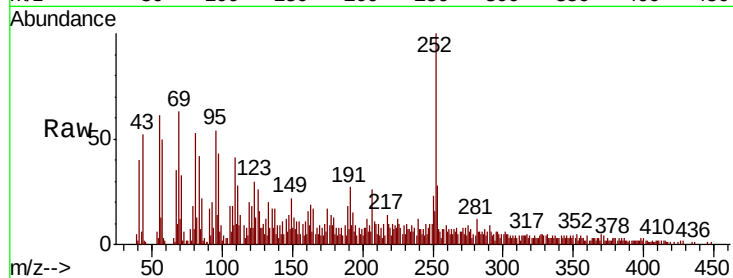




#90
 Benzo(a)pyrene
 Concen: 2.347 ng
 RT: 15.26 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF119178.D
 Acq: 2 Mar 2020 19:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.0	27.0
125	26.3	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

