

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121880.D
 Acq On : 7 Oct 2020 18:31
 Operator : JU/CG
 Sample : L4224-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100620

Quant Time: Oct 08 00:43:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

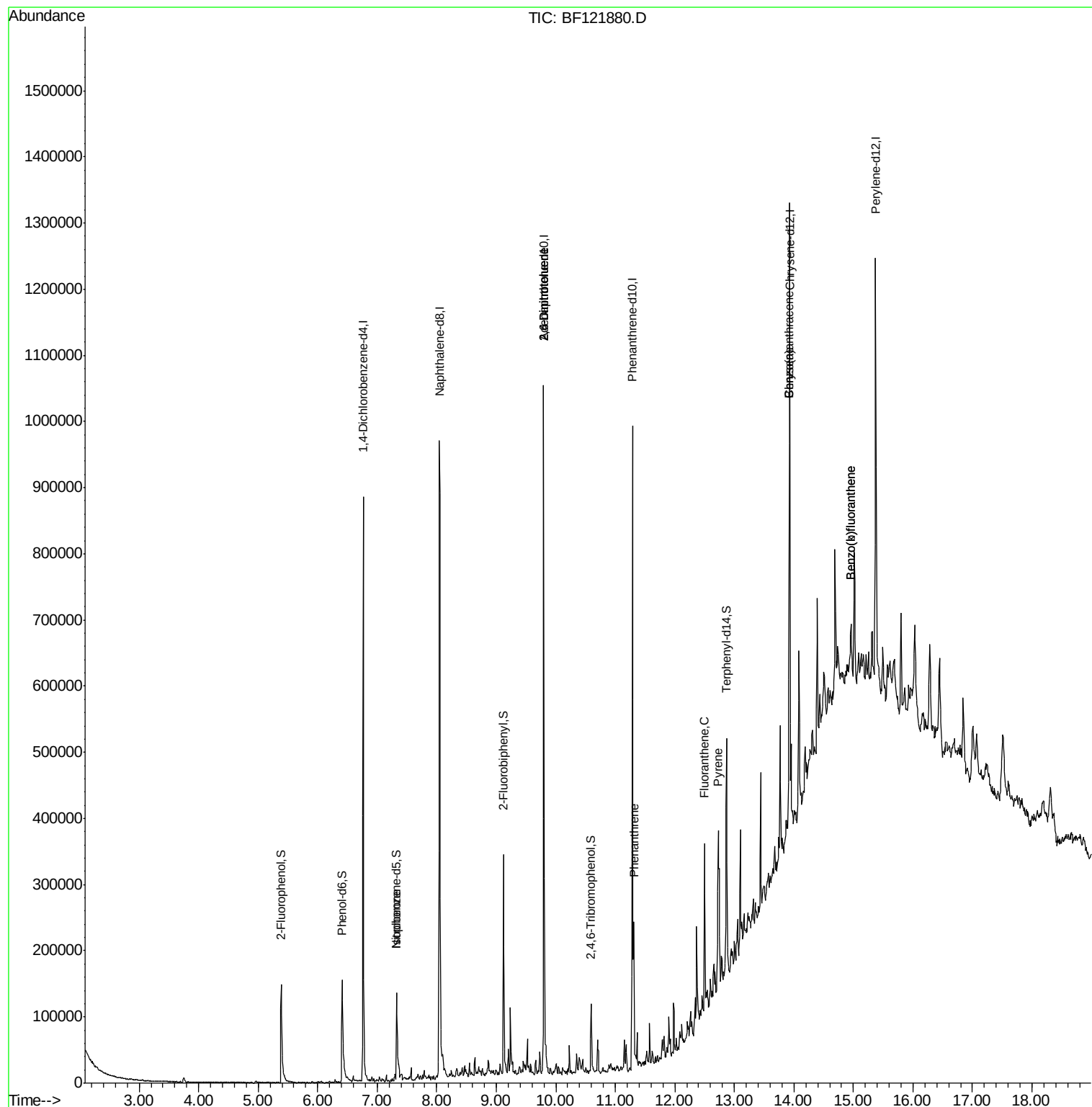
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	130299	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	499327	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	223779	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	358480	20.00	ng	0.00
76) Chrysene-d12	13.93	240	312034	20.00	ng	0.00
86) Perylene-d12	15.37	264	237503	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	68702	7.84	ng	0.00
7) Phenol-d6	6.41	99	89857	7.81	ng	0.00
23) Nitrobenzene-d5	7.33	82	58345	6.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	16058	5.77	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	121494	8.22	ng	-0.01
79) Terphenyl-d14	12.87	244	101114	6.56	ng	-0.01
Target Compounds						
25) Isophorone	7.33	82	58345	3.117	ng	# 67
51) 2,6-Dinitrotoluene	9.80	165	28758	8.326	ng	# 21
57) 2,4-Dinitrotoluene	9.80	165	28758	6.618	ng	# 21
71) Phenanthrene	11.31	178	70564	3.613	ng	98
75) Fluoranthene	12.50	202	99259	4.761	ng	99
78) Pyrene	12.73	202	89965	3.946	ng	99
81) Benzo(a)anthracene	13.92	228	44389	2.249	ng	94
83) Chrysene	13.92	228	44389	2.221	ng	96
88) Benzo(b)fluoranthene	14.96	252	51769	3.261	ng	# 72
89) Benzo(k)fluoranthene	14.96	252	51769	3.561	ng	# 70

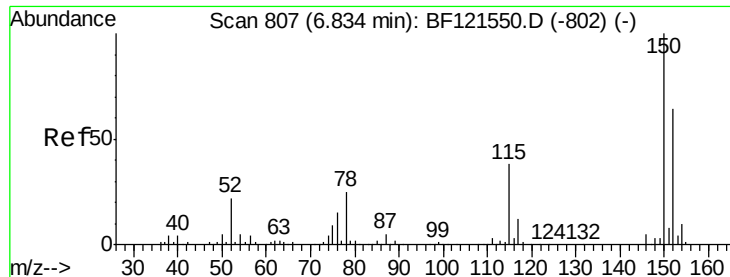
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
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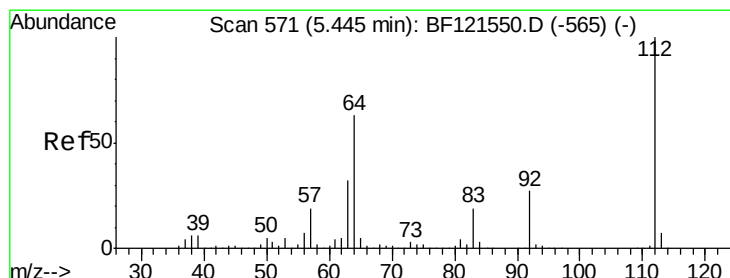
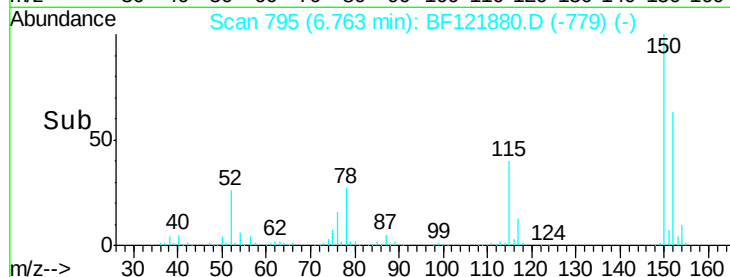
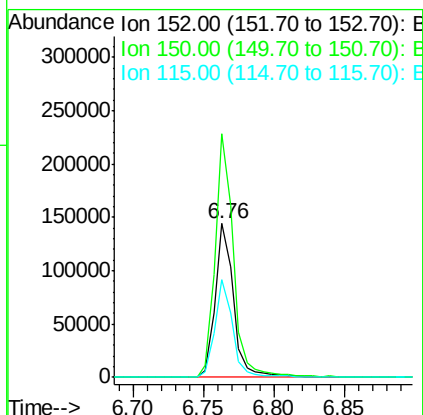
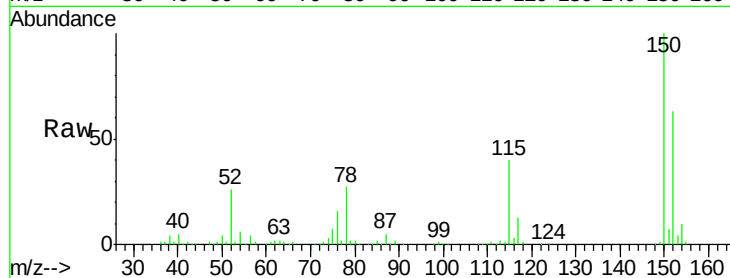


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

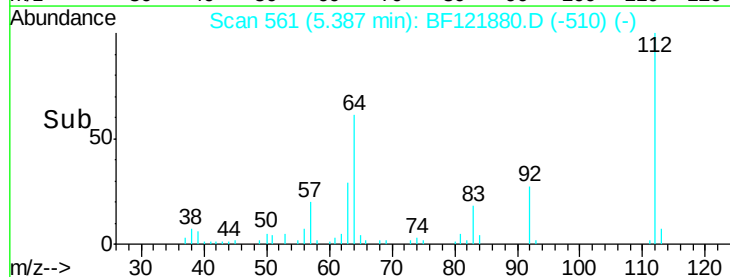
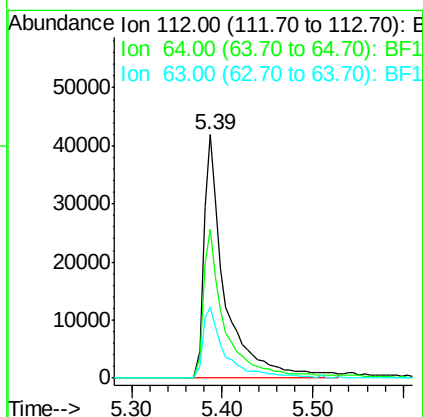
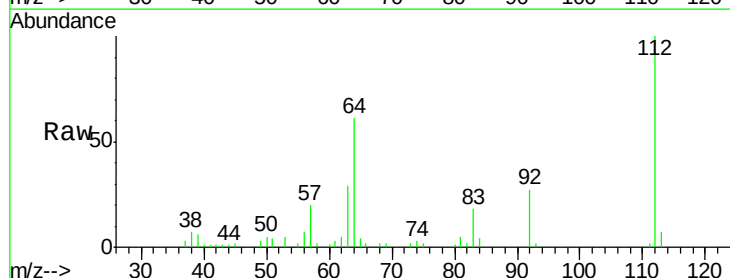
Tot Ion:152 Resp: 130299
Ion Ratio Lower Upper
152 100
150 158.7 125.3 187.9
115 63.4 51.9 77.9

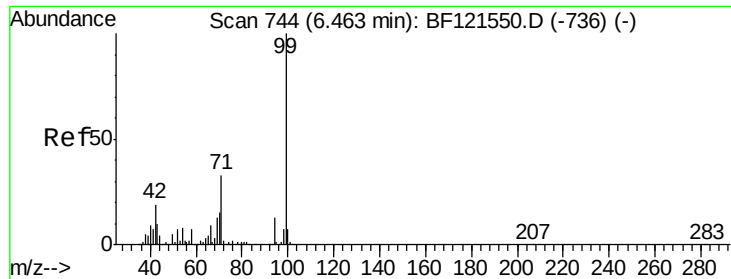


#5

2-Fluorophenol
Concen: 7.836 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion:112 Resp: 68702
Ion Ratio Lower Upper
112 100
64 61.2 50.4 75.6
63 29.2 25.8 38.6





#7

Phenol-d6

Concen: 7.812 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

Instrument :

BNA_F

ClientSampleId :

OR-02-100620

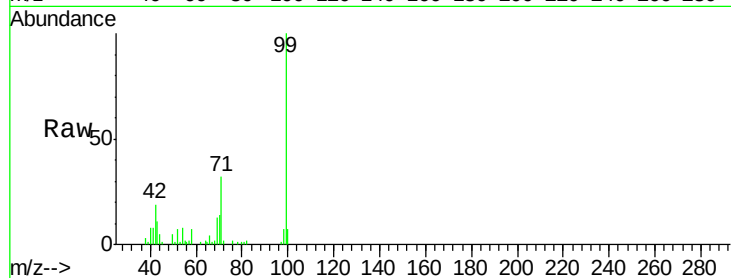
Tot Ion: 99 Resp: 89857

Ion Ratio Lower Upper

99 100

42 18.8 15.9 23.9

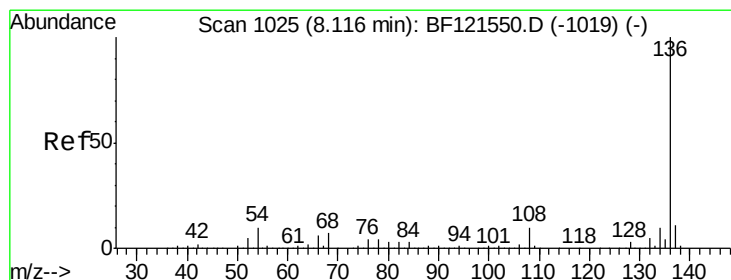
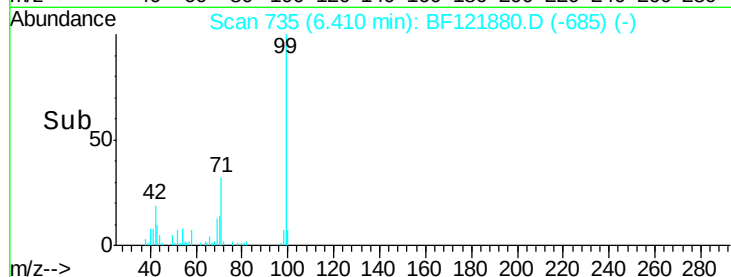
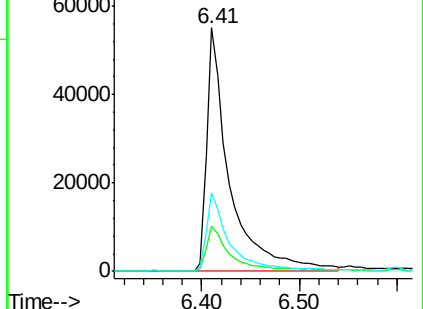
71 32.0 27.1 40.7



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: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

Tgt Ion: 136 Resp: 499327

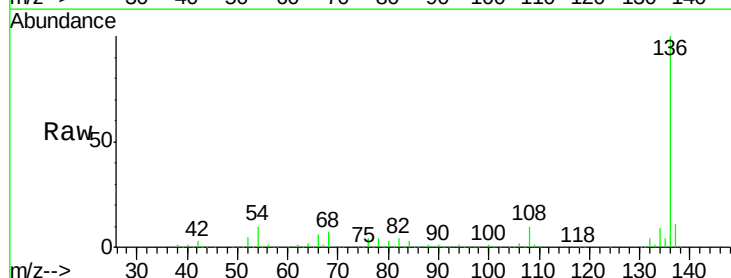
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.1 7.1 10.7

68 7.0 5.0 7.4

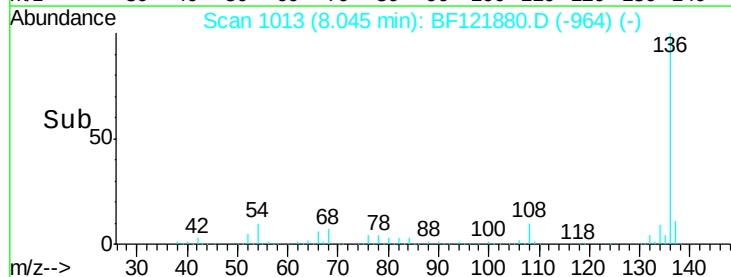
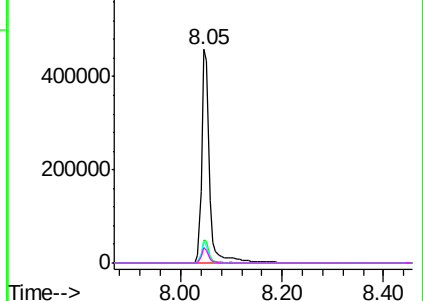


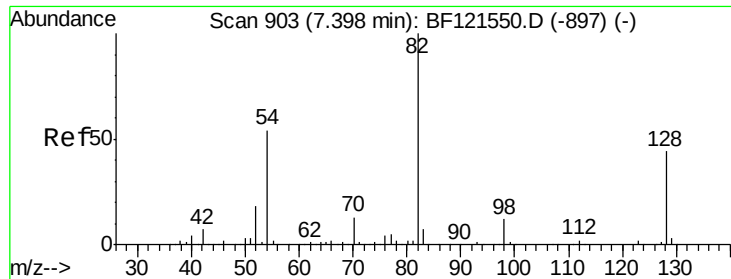
Abundance Ion 136.00 (135.70 to 136.70): E

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

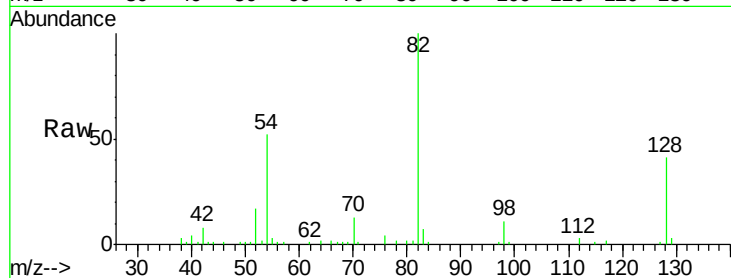




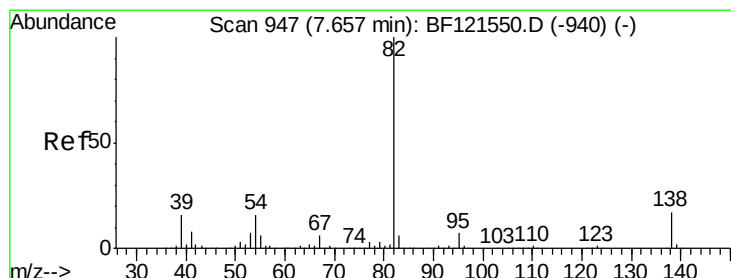
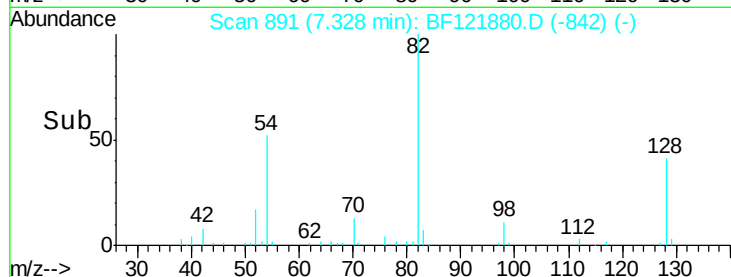
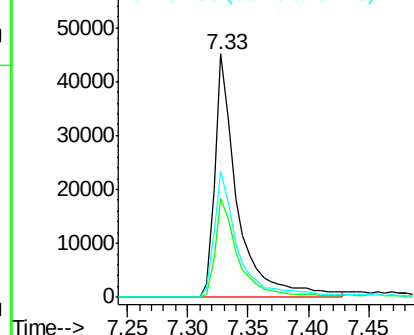
#23
Nitrobenzene-d5
Concen: 6.274 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

Tot Ion: 82 Resp: 58345
Ion Ratio Lower Upper
82 100
128 40.8 35.0 52.4
54 51.9 43.9 65.9

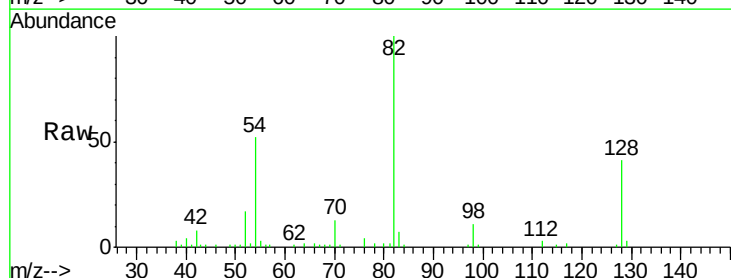


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

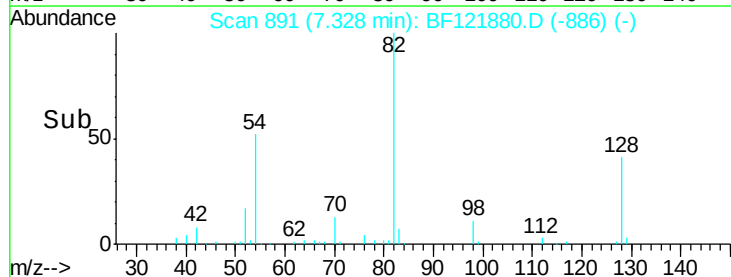
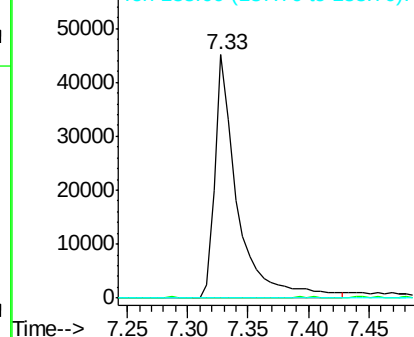


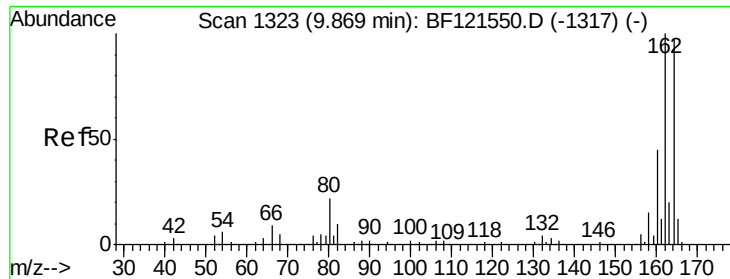
#25
Isophorone
Concen: 3.117 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.27 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion: 82 Resp: 58345
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



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

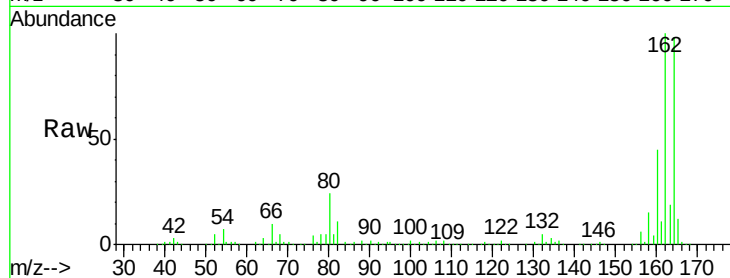




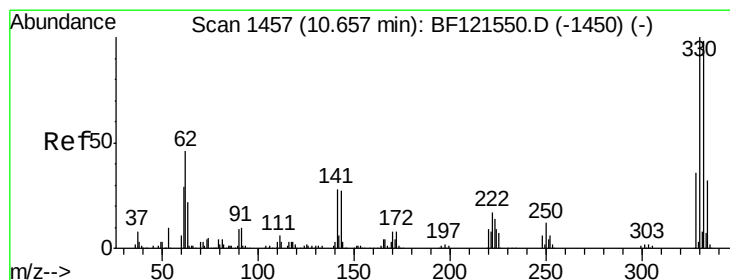
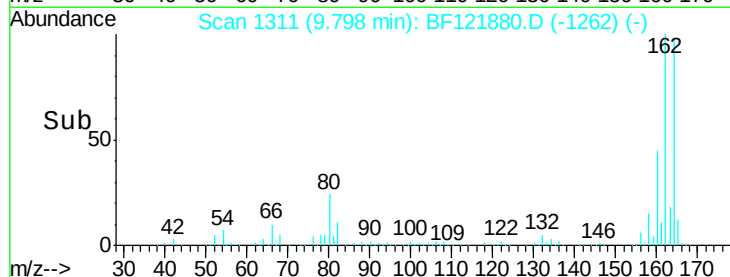
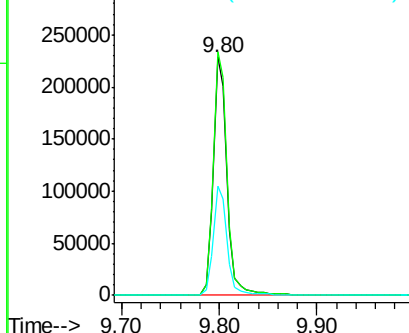
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF121880.D
 Acq: 7 Oct 2020 18:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100620

Tot Ion:164 Resp: 223779
 Ion Ratio Lower Upper
 164 100
 162 102.2 83.2 124.8
 160 45.6 37.5 56.3

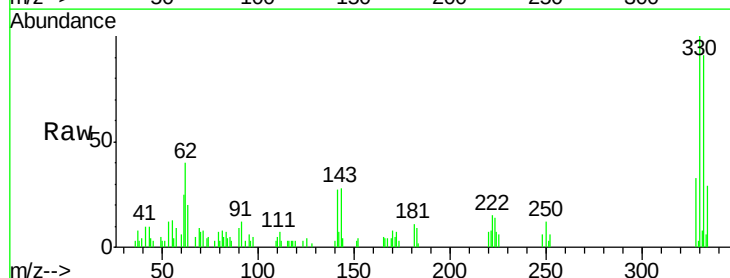


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

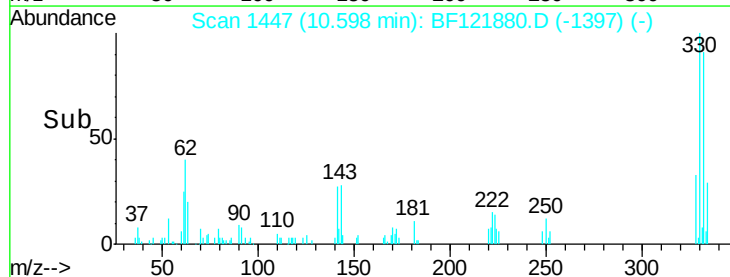
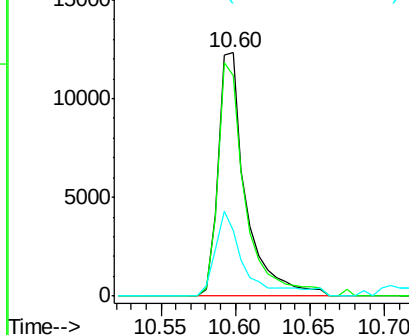


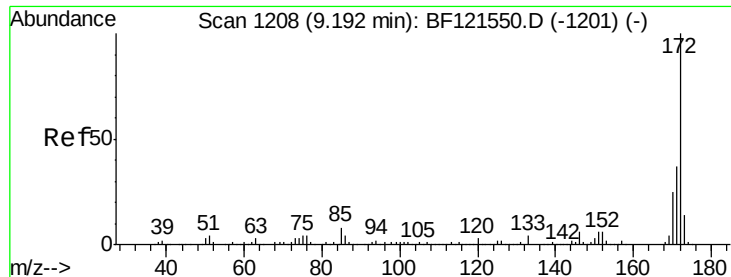
#42
 2,4,6-Tribromophenol
 Concen: 5.774 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF121880.D
 Acq: 7 Oct 2020 18:31

Tgt Ion:330 Resp: 16058
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.3 115.9
 141 36.8 22.3 33.5#



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

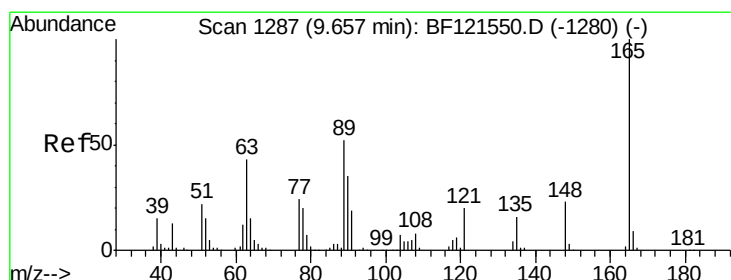
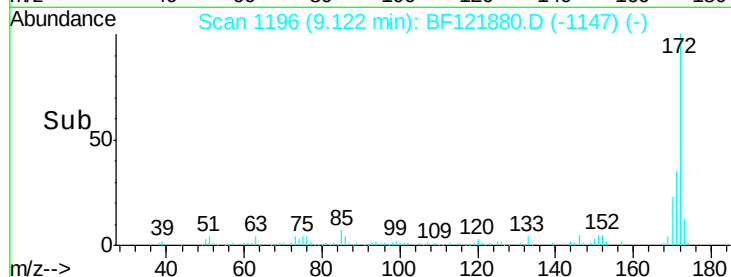
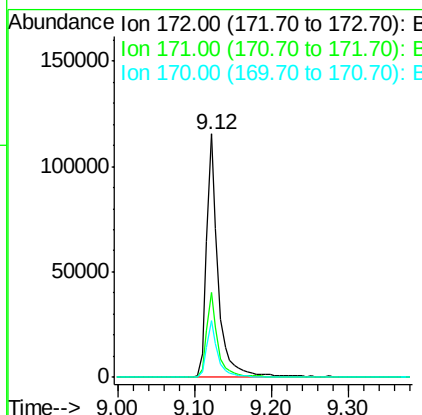
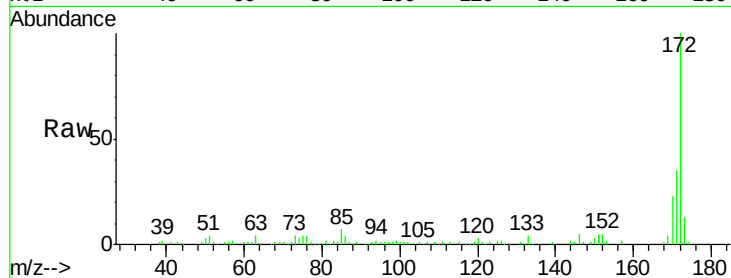




#45
 2-Fluorobiphenyl
 Concen: 8.223 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121880.D
 Acq: 7 Oct 2020 18:31

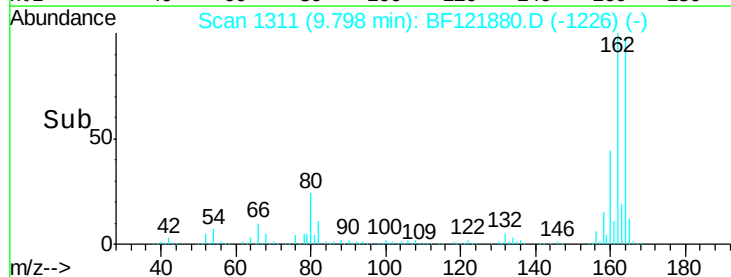
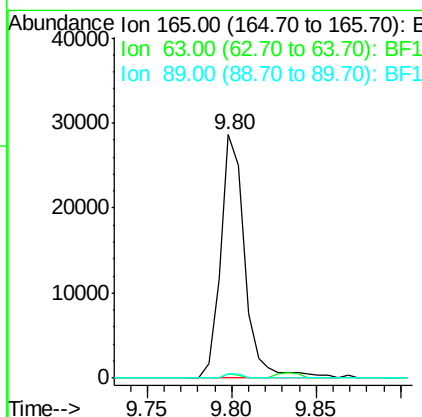
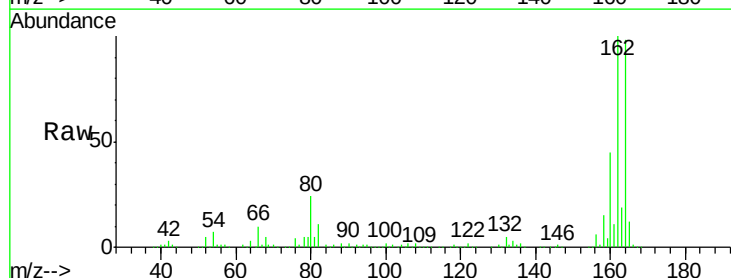
Instrument :
 BNA_F
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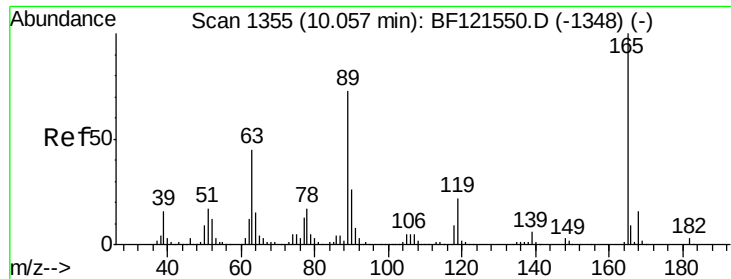
Tot Ion:172 Resp: 121494
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.1 43.7
 170 23.1 19.8 29.6



#51
 2,6-Dinitrotoluene
 Concen: 8.326 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.20 min
 Lab File: BF121880.D
 Acq: 7 Oct 2020 18:31

Tgt Ion:165 Resp: 28758
 Ion Ratio Lower Upper
 165 100
 63 1.6 51.8 77.6#
 89 1.8 49.0 73.6#

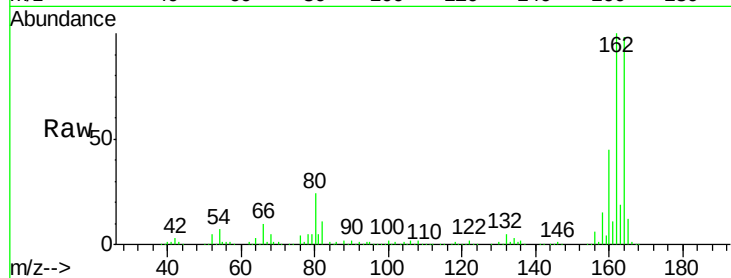




#57
 2,4-Dinitrotoluene
 Concen: 6.618 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF121880.D
 Acq: 7 Oct 2020 18:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100620

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.3	61.9#
89	1.8	61.8	92.8#
182	0.0	2.1	3.1#

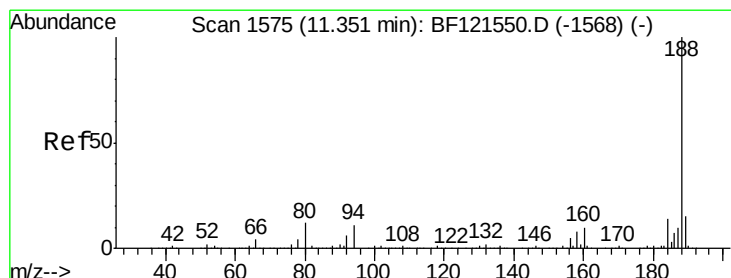
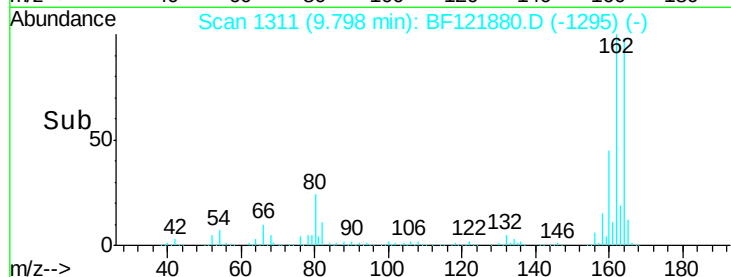
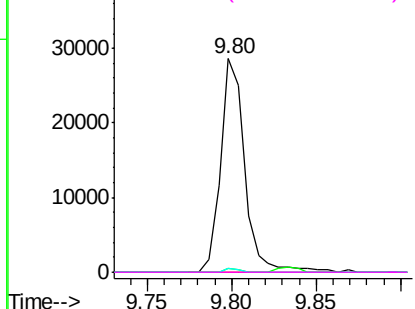


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

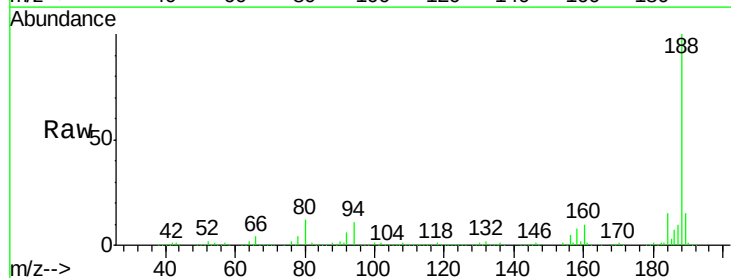
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121880.D
 Acq: 7 Oct 2020 18:31

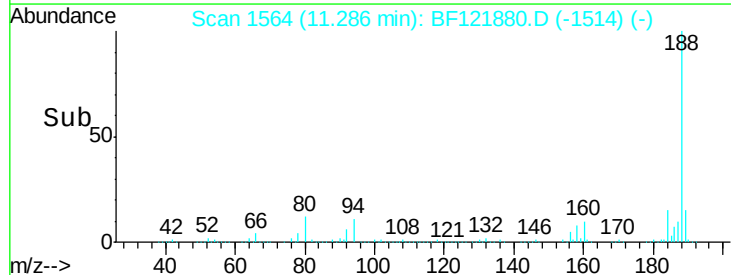
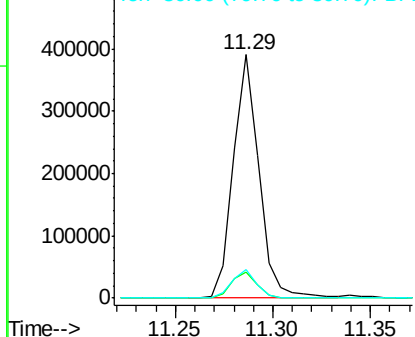
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	11.6	9.1	13.7

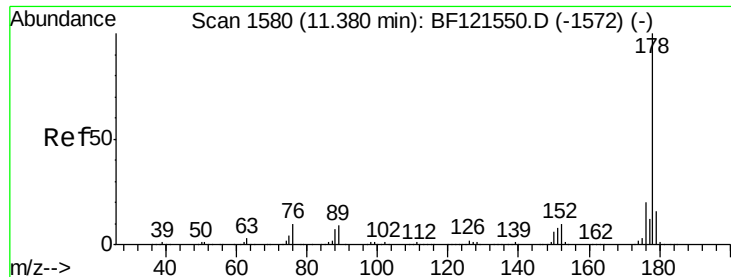


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 3.613 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

Instrument :

BNA_F

ClientSampleId :

OR-02-100620

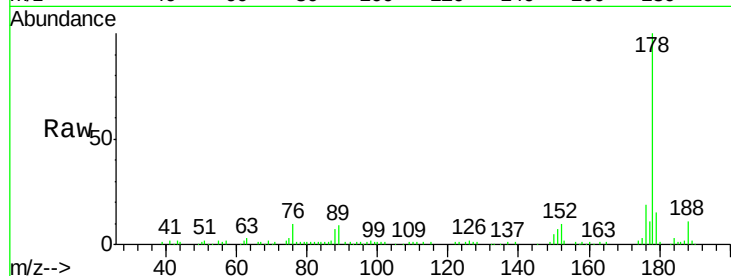
Tot Ion:178 Resp: 70564

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

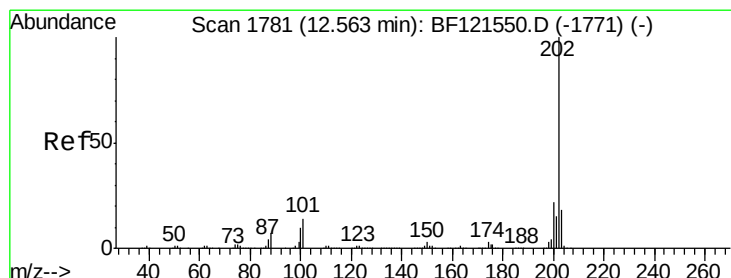
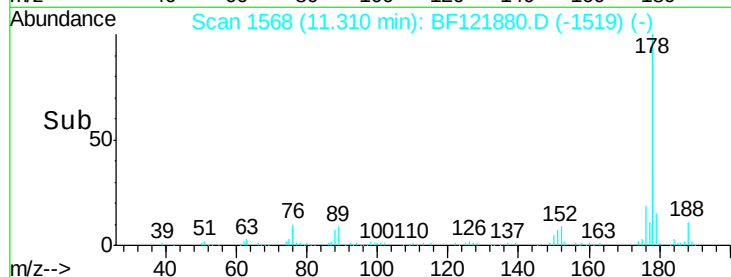
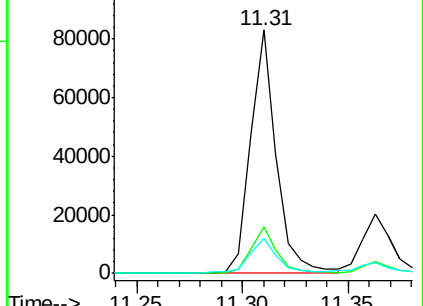
179 14.6 12.2 18.4



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: 4.761 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

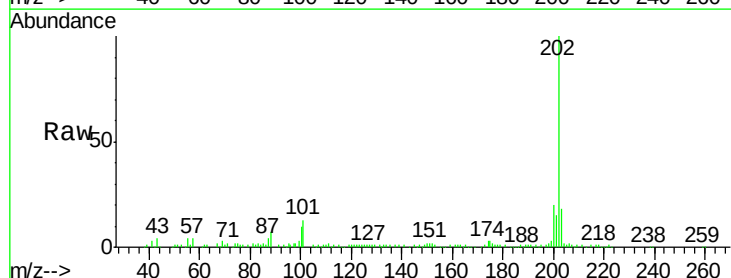
Tgt Ion:202 Resp: 99259

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.4

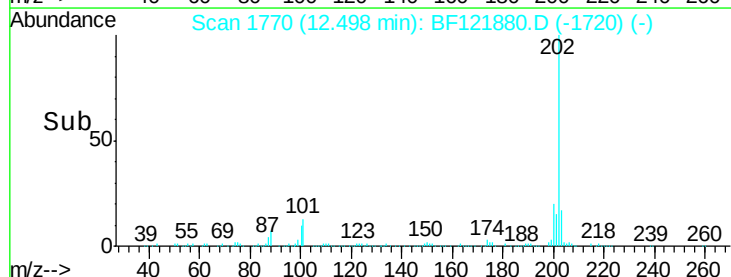
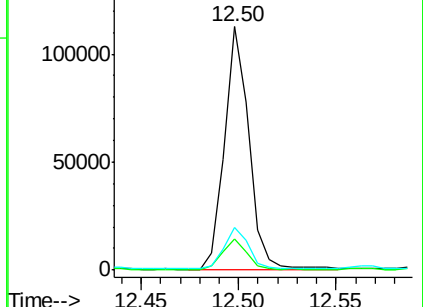
203 17.7 0.0 37.9

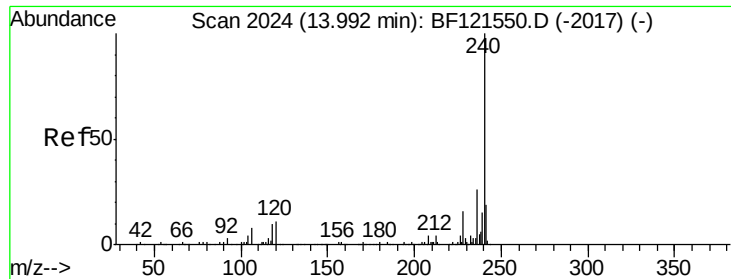


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

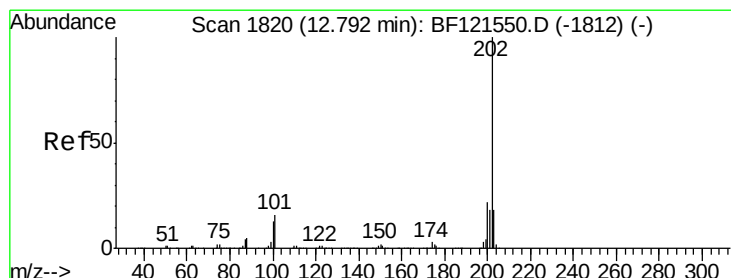
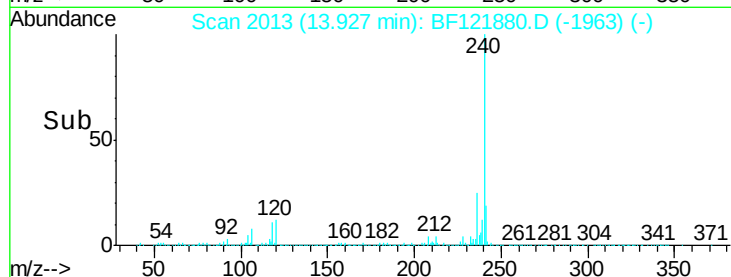
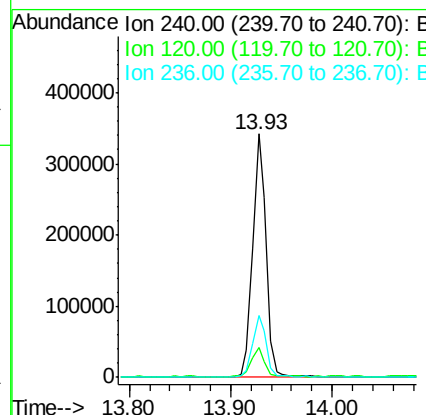
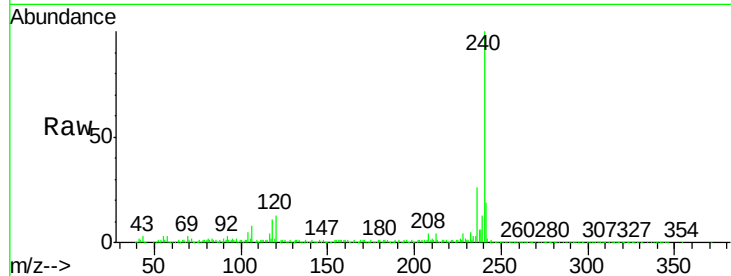




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

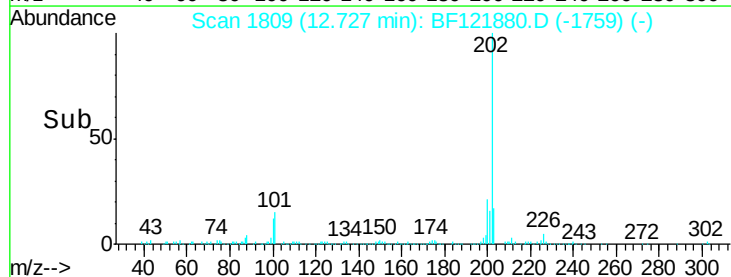
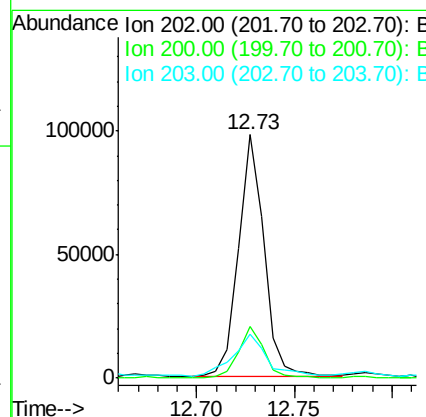
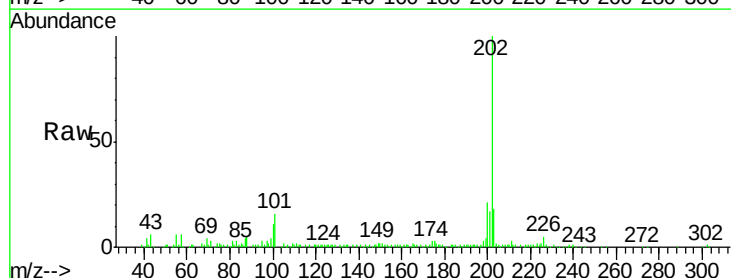
Instrument :
BNA_F
ClientSampleId :
OR-02-100620

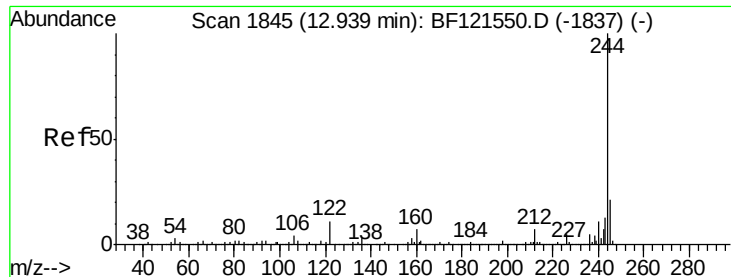
Tot Ion:240 Resp: 312034
Ion Ratio Lower Upper
240 100
120 12.5 9.2 13.8
236 25.7 20.9 31.3



#78
Pyrene
Concen: 3.946 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion:202 Resp: 89965
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 6.565 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

Instrument :

BNA_F

ClientSampleId :

OR-02-100620

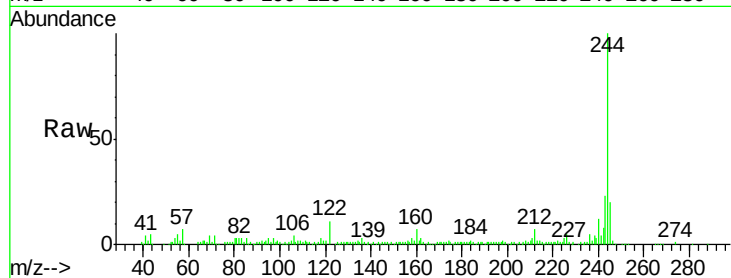
Tot Ion:244 Resp: 101114

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

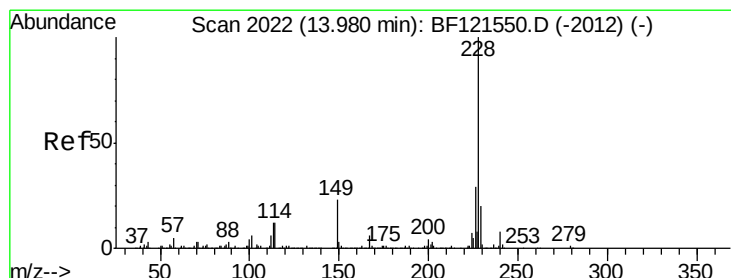
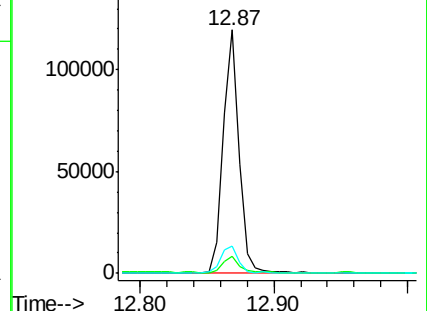
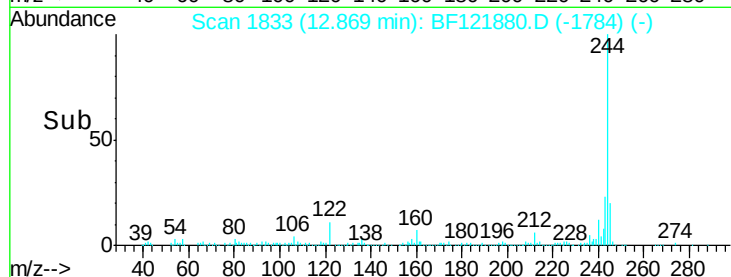
122 11.0 8.1 12.1



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: 2.249 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF121880.D

Acq: 7 Oct 2020 18:31

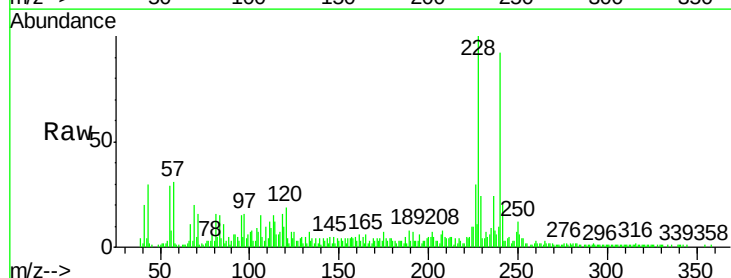
Tgt Ion:228 Resp: 44389

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

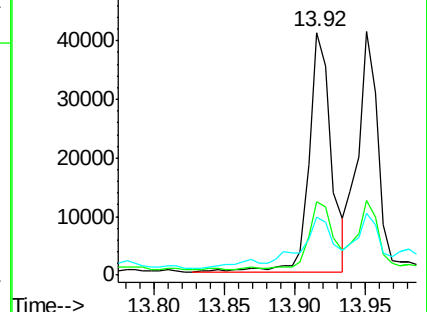
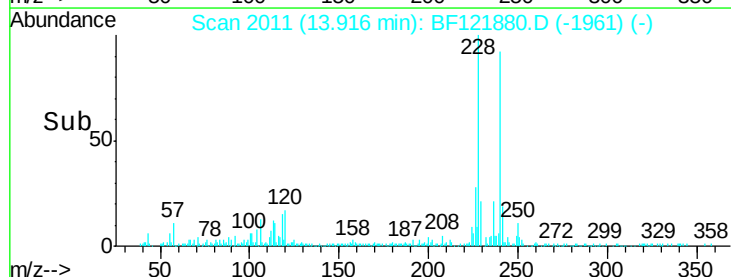
229 23.9 16.2 24.4

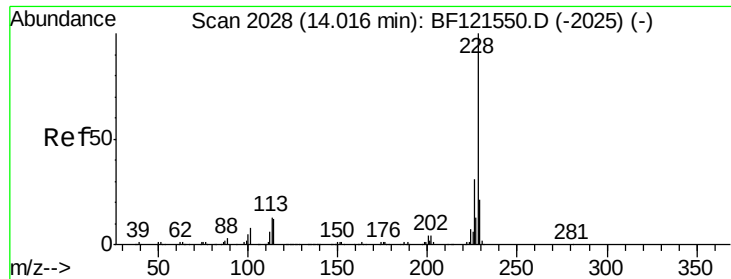


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

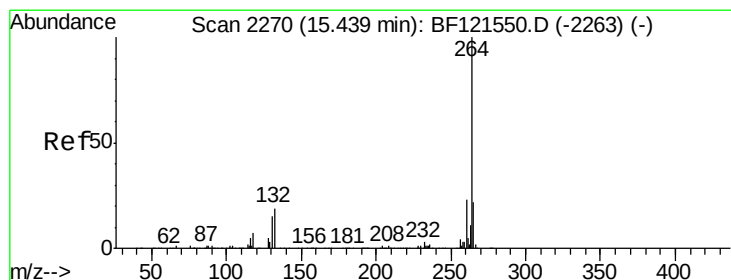
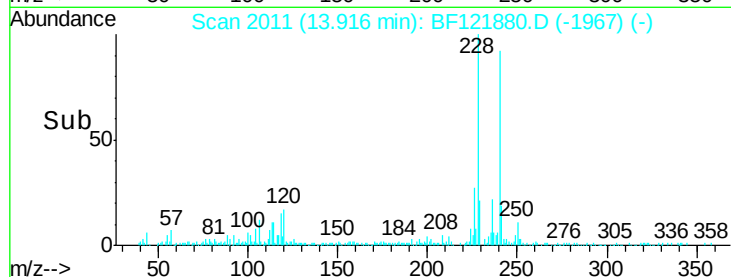
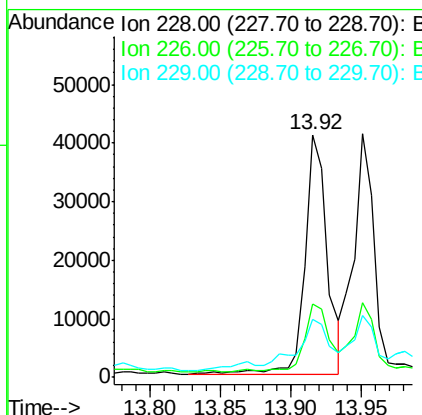
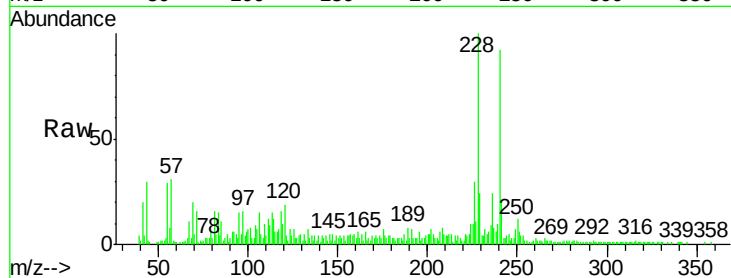




#83
Chrysene
Concen: 2.221 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.04 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

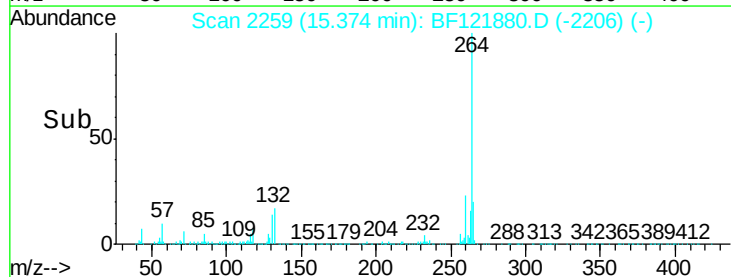
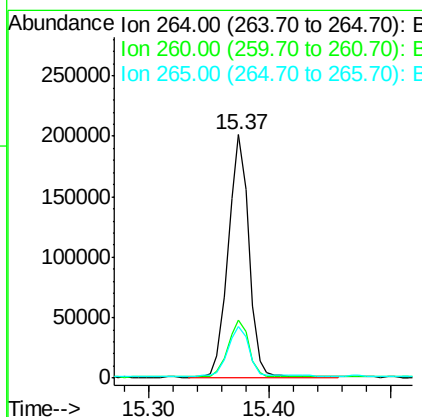
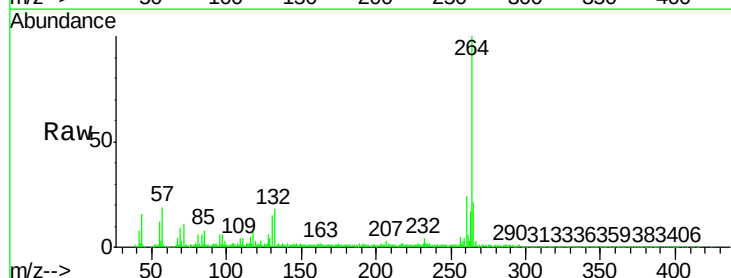
Instrument :
BNA_F
ClientSampleId :
OR-02-100620

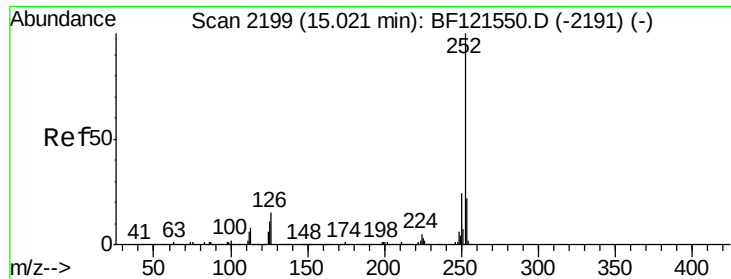
Tot Ion:228 Resp: 44389
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 23.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion:264 Resp: 237503
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.2 17.3 25.9

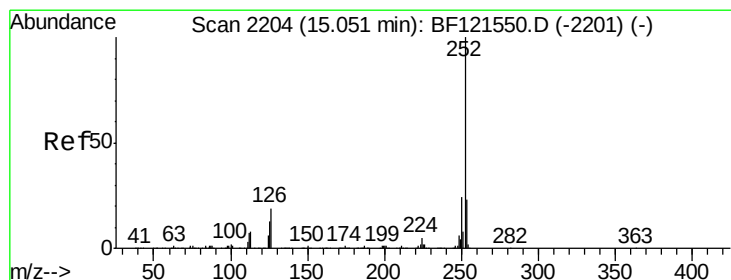
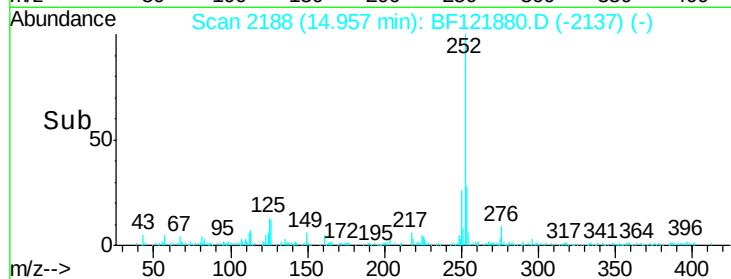
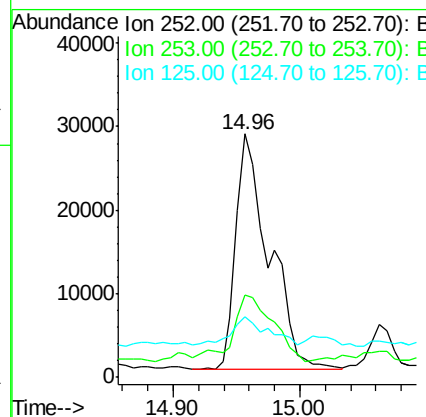
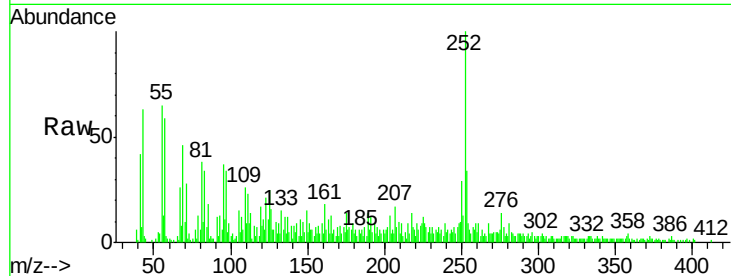




#88
Benzo(b)fluoranthene
Concen: 3.261 ng
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Instrument :
BNA_F
ClientSampleId :
OR-02-100620

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.0	18.2	27.2#
125	24.8	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 3.561 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BF121880.D
Acq: 7 Oct 2020 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	17.8	26.6#
125	24.8	7.7	11.5#

