

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121833.D
 Acq On : 5 Oct 2020 23:27
 Operator : JU/CG
 Sample : L4221-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-100120

Quant Time: Oct 06 00:24:11 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

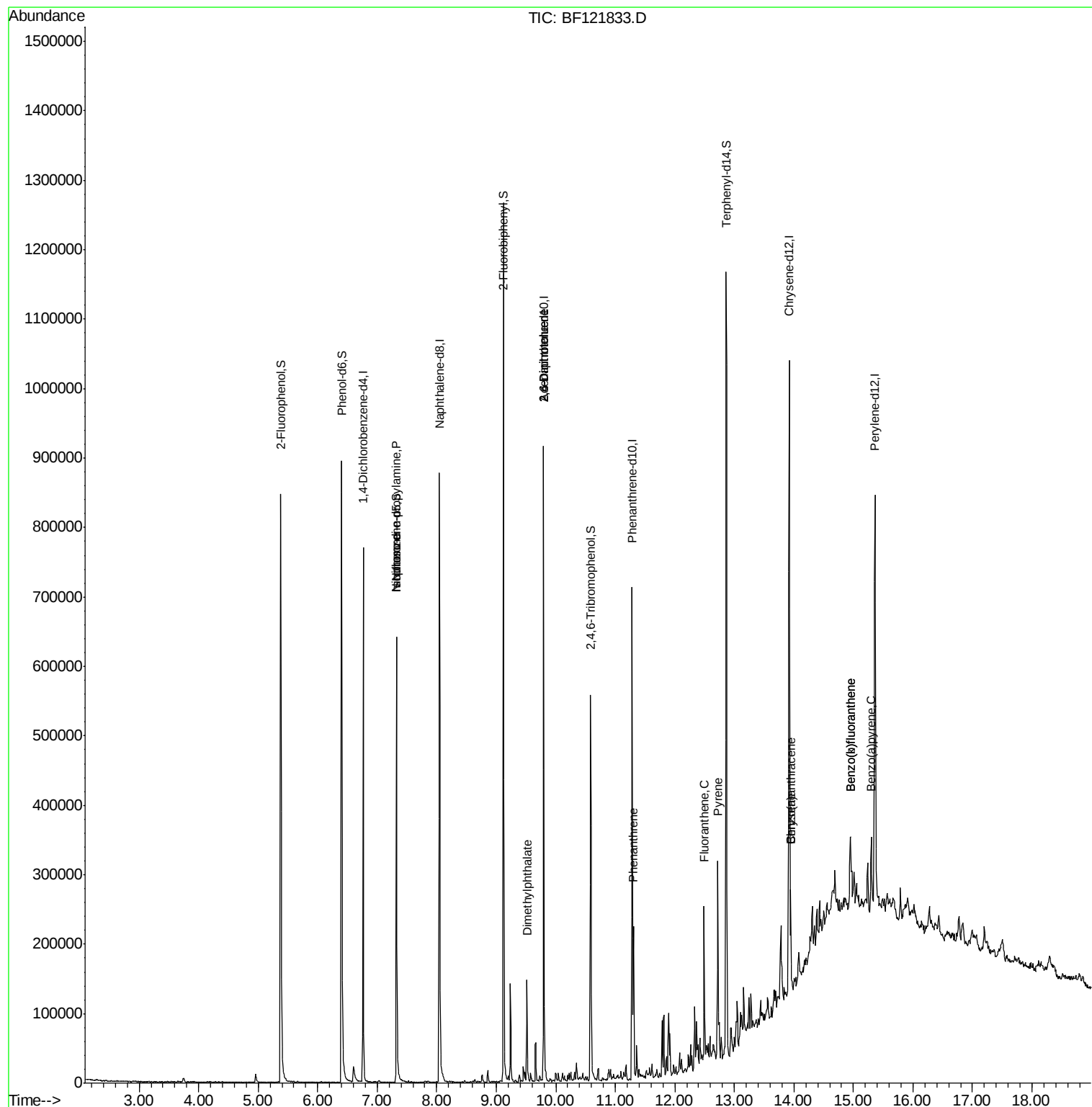
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	104730	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	379833	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	165198	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	273787	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	271859	20.00	ng	-0.01
86) Perylene-d12	15.36	264	247685	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	275816	39.14	ng	0.00
7) Phenol-d6	6.40	99	340887	36.87	ng	-0.01
23) Nitrobenzene-d5	7.33	82	219810	31.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	69316	33.76	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	398284	36.51	ng	-0.01
79) Terphenyl-d14	12.86	244	339338	25.29	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	28368	5.324	ng	# 79
25) Isophorone	7.33	82	219807	15.435	ng	# 67
50) Dimethylphthalate	9.52	163	57266	4.783	ng	99
51) 2,6-Dinitrotoluene	9.80	165	20893	8.194	ng	# 20
57) 2,4-Dinitrotoluene	9.80	165	20893	6.513	ng	# 19
71) Phenanthrene	11.30	178	76316	5.116	ng	96
75) Fluoranthene	12.49	202	79775	5.010	ng	100
78) Pyrene	12.72	202	110067	5.541	ng	100
81) Benzo(a)anthracene	13.94	228	55062	3.201	ng	96
83) Chrysene	13.94	228	55062	3.162	ng	98
88) Benzo(b)fluoranthene	14.94	252	71417	4.313	ng	# 92
89) Benzo(k)fluoranthene	14.94	252	71417	4.710	ng	# 90
90) Benzo(a)pyrene	15.30	252	44072	3.131	ng	# 93

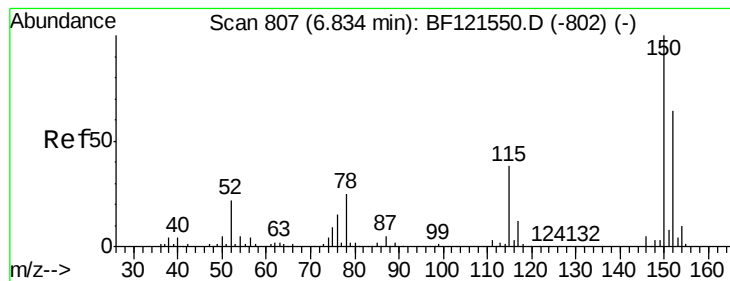
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121833.D
Acq On : 5 Oct 2020 23:27
Operator : JU/CG
Sample : L4221-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-100120

Quant Time: Oct 06 00:24:11 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



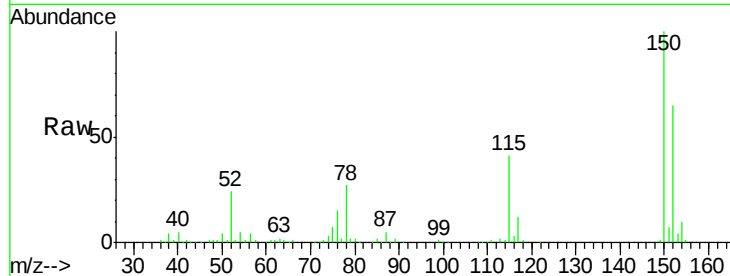


#1

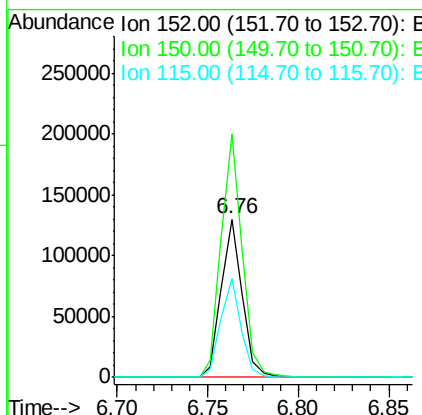
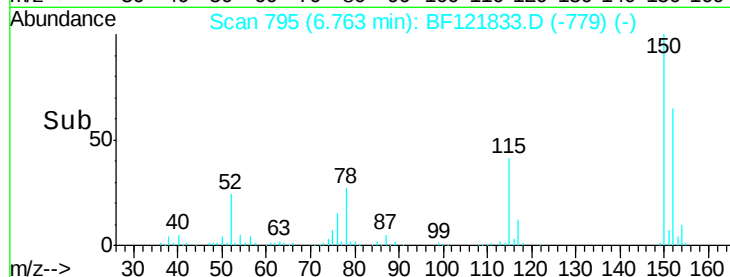
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF121833.D
 Acq: 5 Oct 2020 23:27

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-100120

Tot Ion:152 Resp: 104730
 Ion Ratio Lower Upper
 152 100
 150 153.9 125.3 187.9
 115 62.4 51.9 77.9



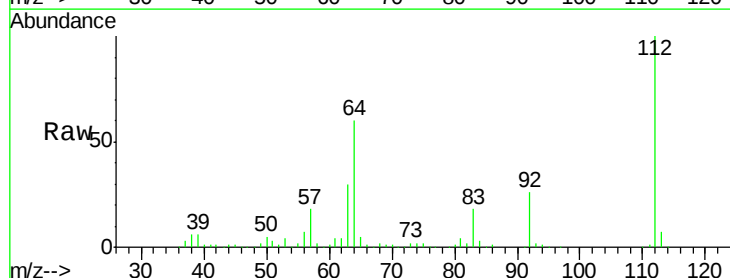
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



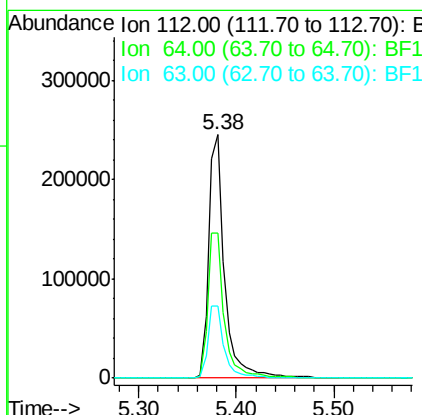
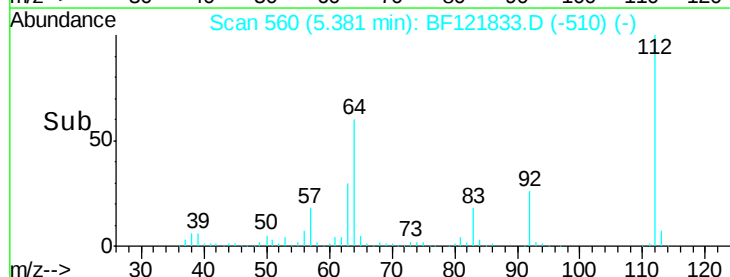
#5

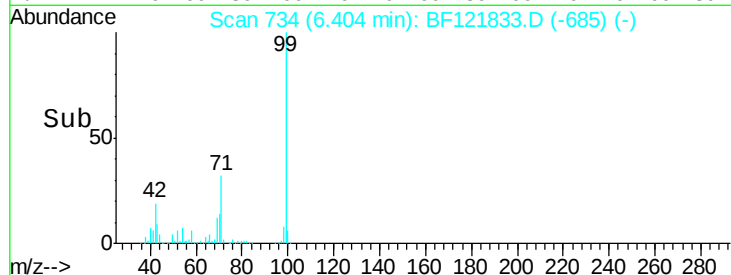
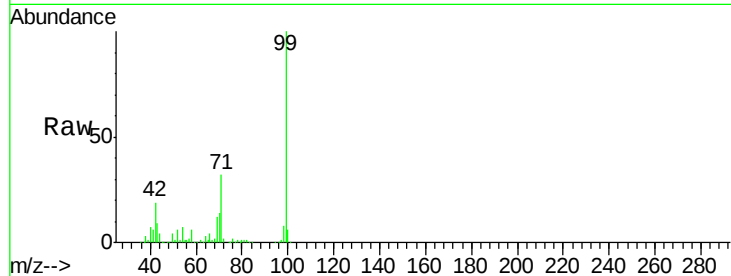
2-Fluorophenol
 Concen: 39.138 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121833.D
 Acq: 5 Oct 2020 23:27

Tgt Ion:112 Resp: 275816
 Ion Ratio Lower Upper
 112 100
 64 59.8 50.4 75.6
 63 29.6 25.8 38.6



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: 36.871 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

Instrument :

BNA_F

ClientSampleId :

OK-02-100120

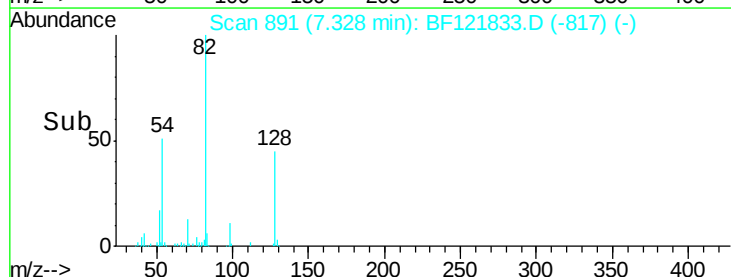
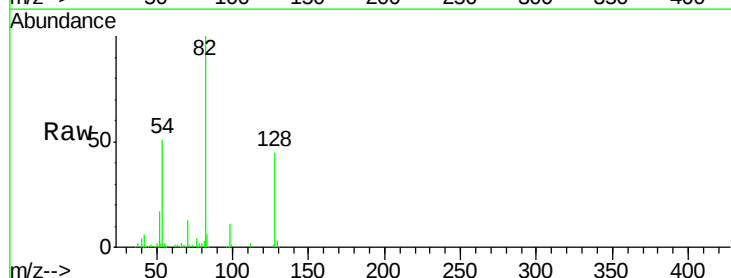
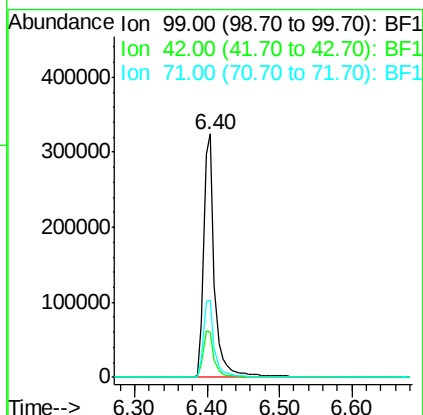
Tot Ion: 99 Resp: 340887

Ion Ratio Lower Upper

99 100

42 18.8 15.9 23.9

71 31.6 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.324 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

Tgt Ion: 70 Resp: 28368

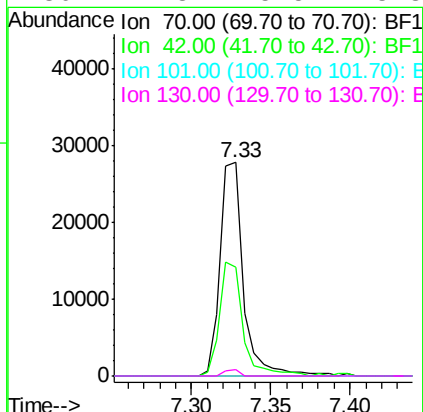
Ion Ratio Lower Upper

70 100

42 50.9 50.2 75.4

101 0.0 7.5 11.3#

130 2.8 15.5 23.3#

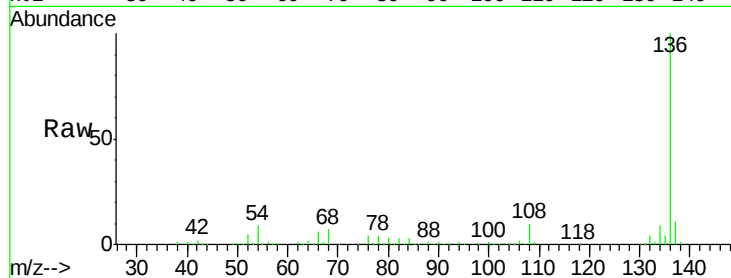




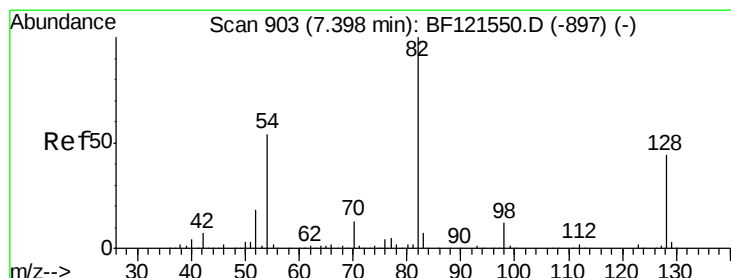
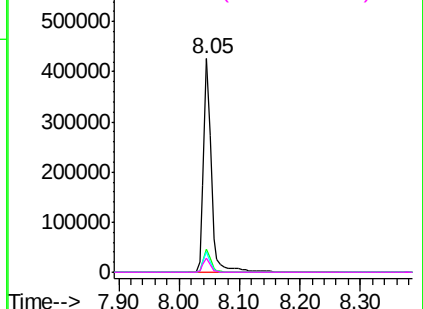
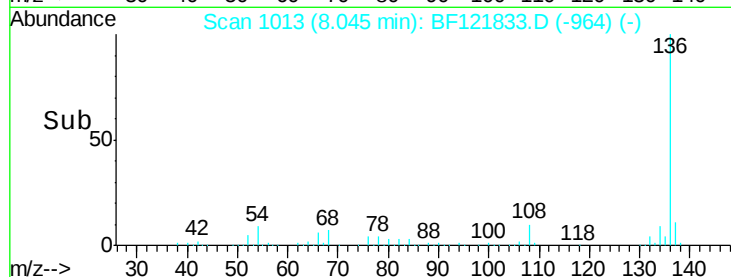
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

Instrument :
BNA_F
ClientSampleId :
OK-02-100120

Tot Ion:136 Resp: 379833
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.5 7.1 10.7
68 6.9 5.0 7.4

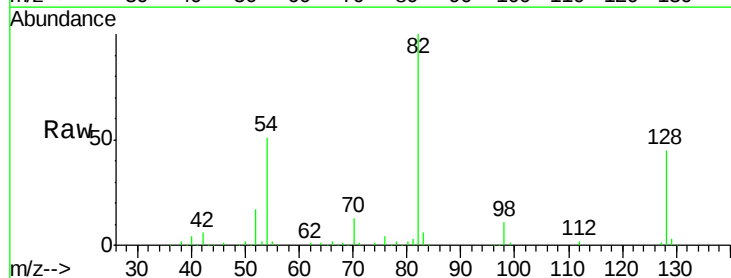


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

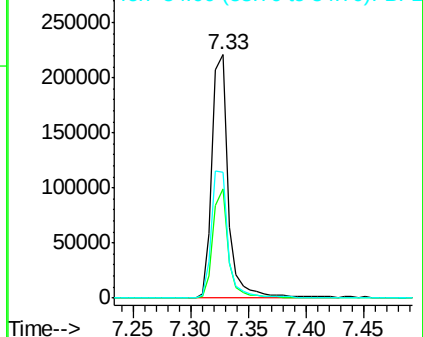
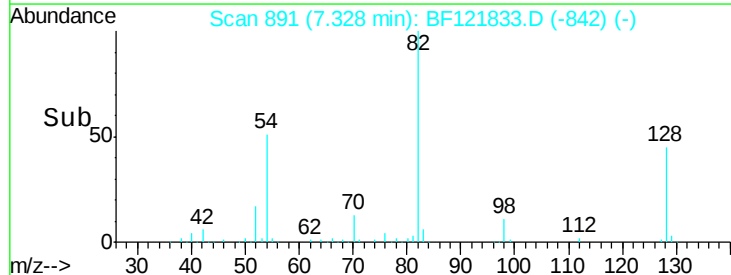


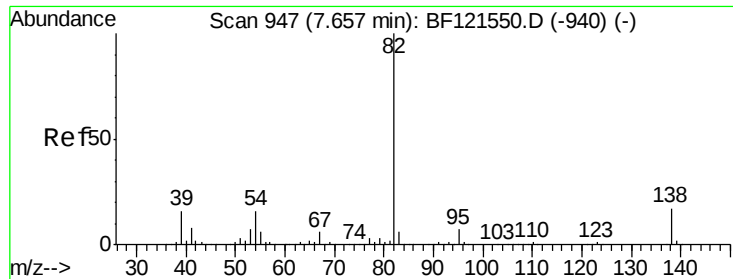
#23
Nitrobenzene-d5
Concen: 31.072 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

Tgt Ion: 82 Resp: 219810
Ion Ratio Lower Upper
82 100
128 45.0 35.0 52.4
54 51.5 43.9 65.9



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: 15.435 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

Instrument :

BNA_F

ClientSampleId :

OK-02-100120

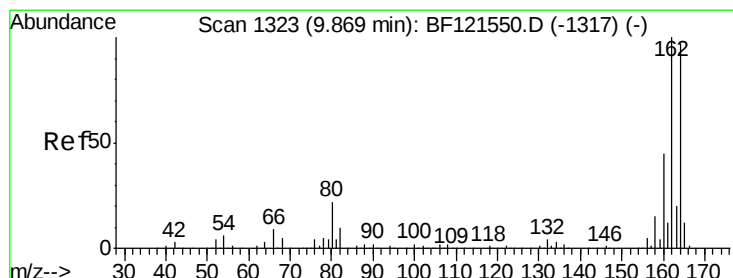
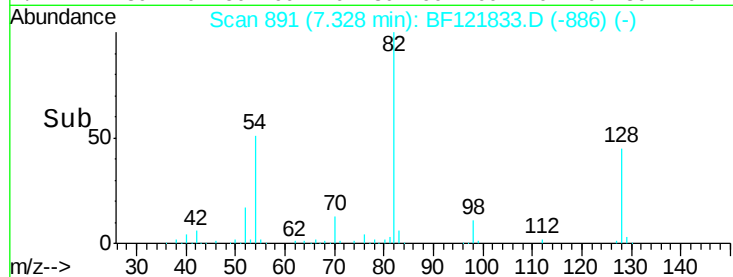
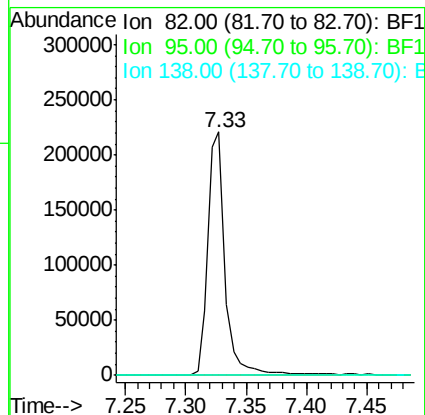
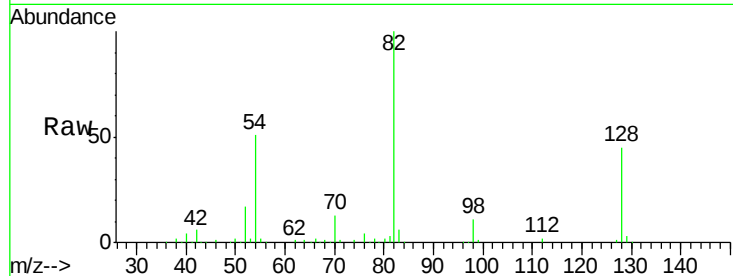
Tot Ion: 82 Resp: 219807

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.4 20.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

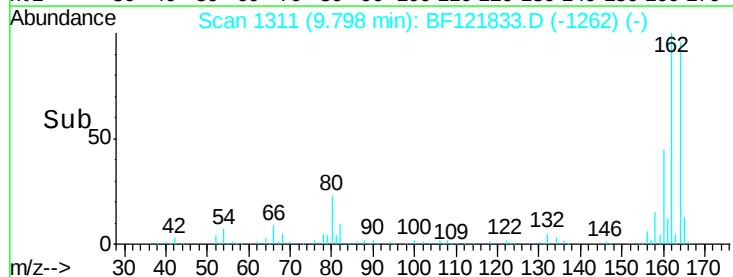
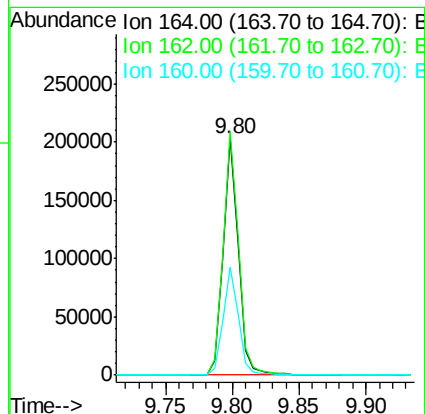
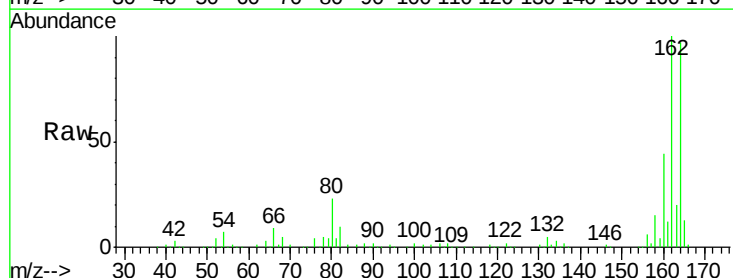
Tgt Ion: 164 Resp: 165198

Ion Ratio Lower Upper

164 100

162 102.7 83.2 124.8

160 45.7 37.5 56.3





#42

2,4,6-Tribromophenol

Concen: 33.760 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

Instrument :

BNA_F

ClientSampleId :

OK-02-100120

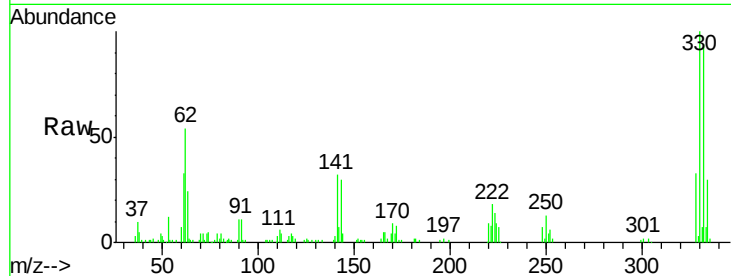
Tot Ion:330 Resp: 69316

Ion Ratio Lower Upper

330 100

332 95.2 77.3 115.9

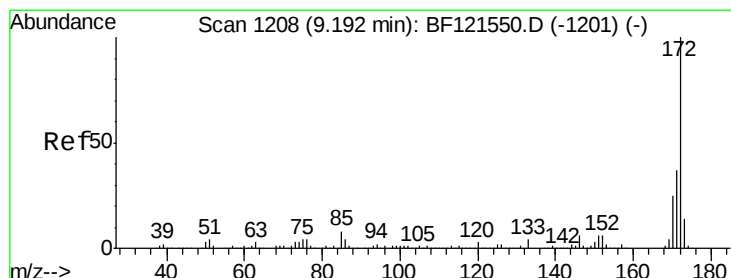
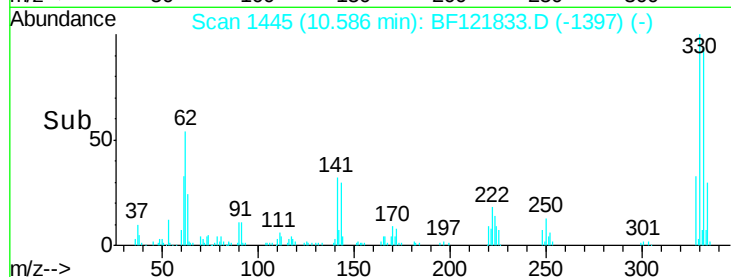
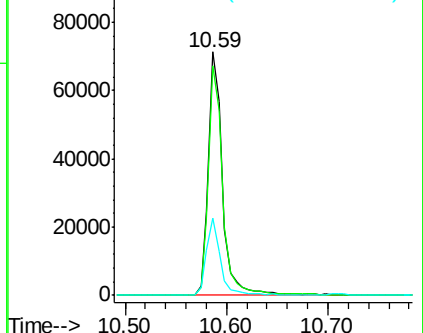
141 30.9 22.3 33.5



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: 36.515 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

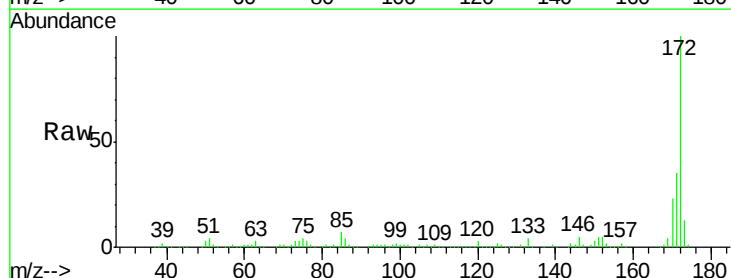
Tgt Ion:172 Resp: 398284

Ion Ratio Lower Upper

172 100

171 34.6 29.1 43.7

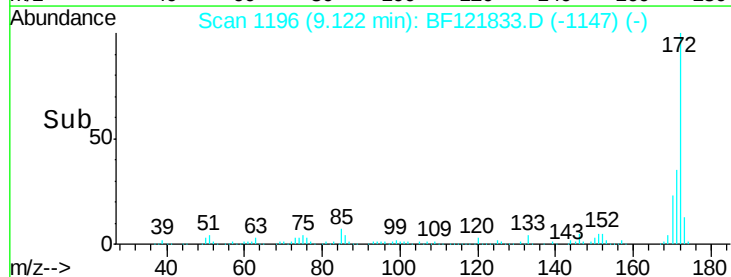
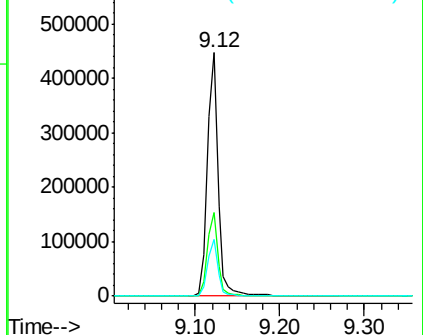
170 23.2 19.8 29.6

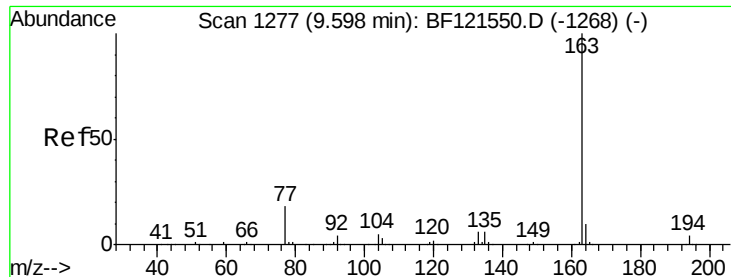


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

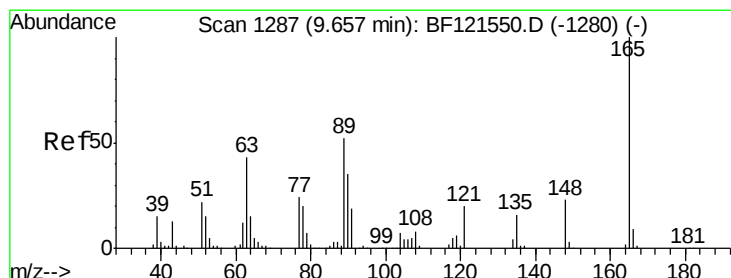
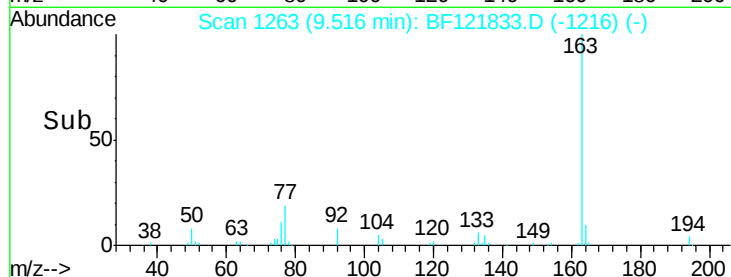
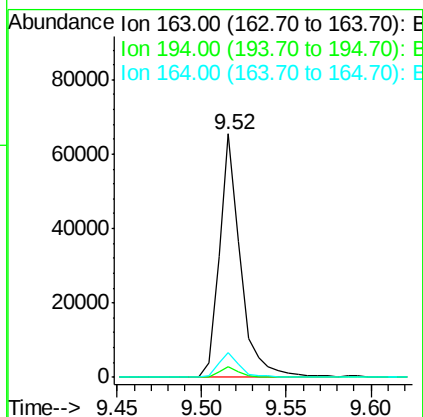
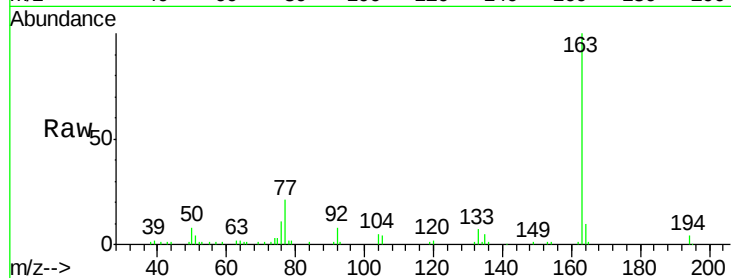




#50
Dimethylphthalate
Concen: 4.783 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

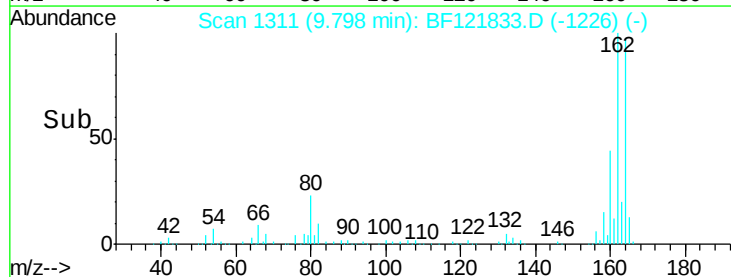
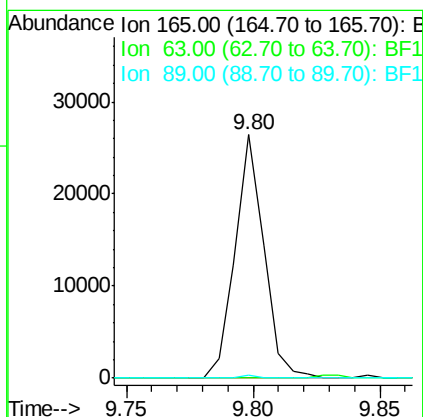
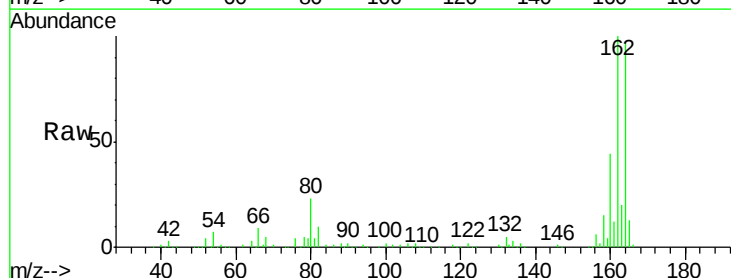
Instrument :
BNA_F
ClientSampleId :
OK-02-100120

Tot Ion:163 Resp: 57266
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 9.9 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 8.194 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.20 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

Tgt Ion:165 Resp: 20893
Ion Ratio Lower Upper
165 100
63 0.0 51.8 77.6#
89 1.4 49.0 73.6#

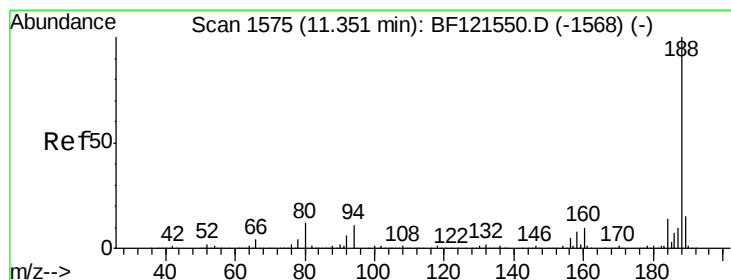
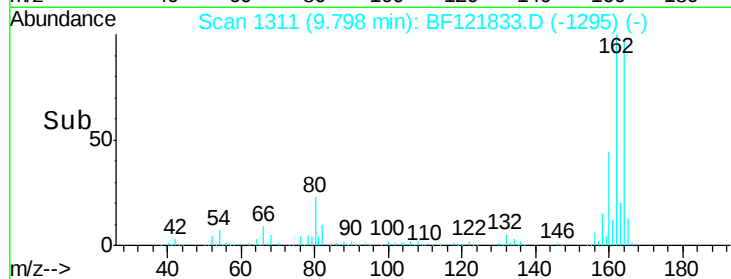
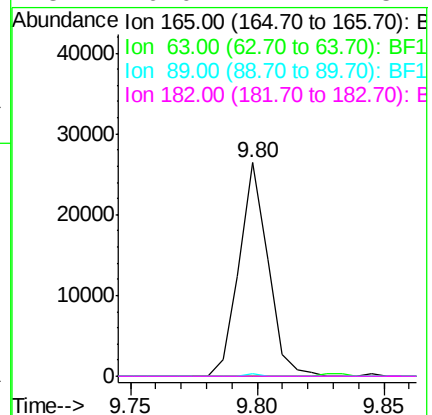
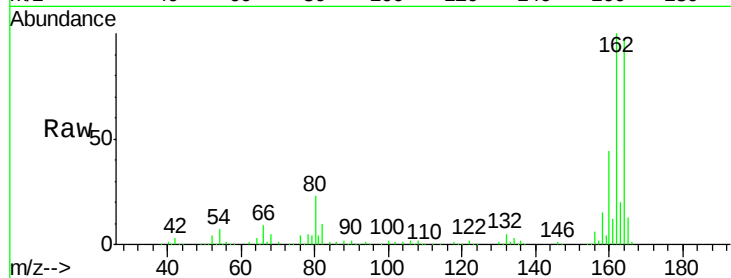




#57
 2,4-Dinitrotoluene
 Concen: 6.513 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF121833.D
 Acq: 5 Oct 2020 23:27

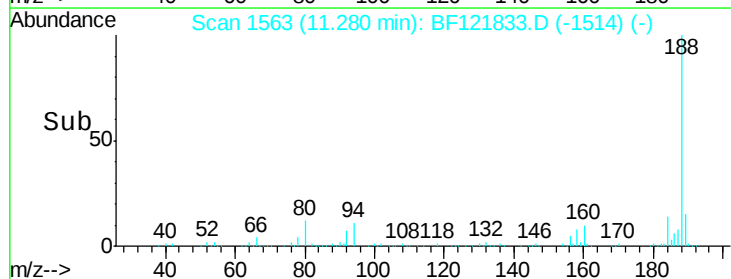
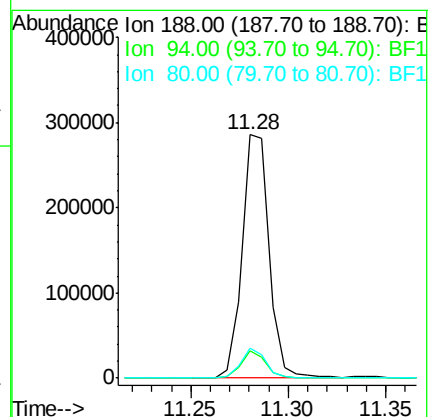
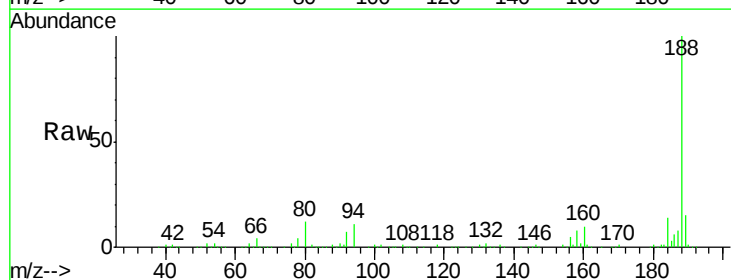
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-100120

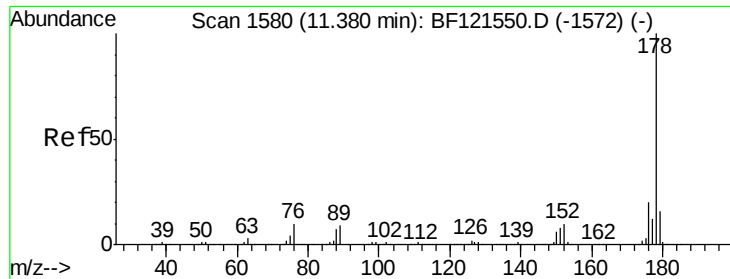
Tot Ion:165	Resp: 20893
Ion Ratio	Lower Upper
165 100	
63 0.0	41.3 61.9#
89 1.4	61.8 92.8#
182 0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121833.D
 Acq: 5 Oct 2020 23:27

Tgt Ion	188	Resp: Lower	273787
	Ratio		Upper
188	100		
94	11.3	8.3	12.5
80	12.2	9.1	13.7





#71

Phenanthrene

Concen: 5.116 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

Instrument :

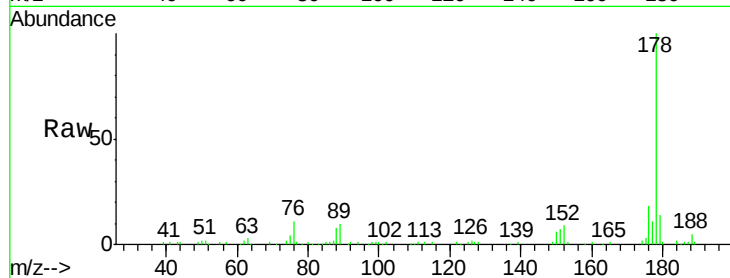
BNA_F

ClientSampleId :

OK-02-100120

Tot Ion:178 Resp: 76316

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.9	23.9
179	14.3	12.2	18.4

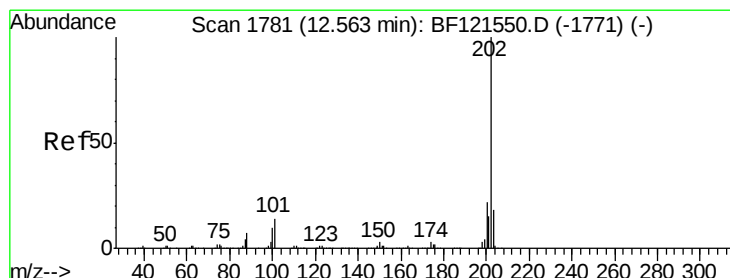
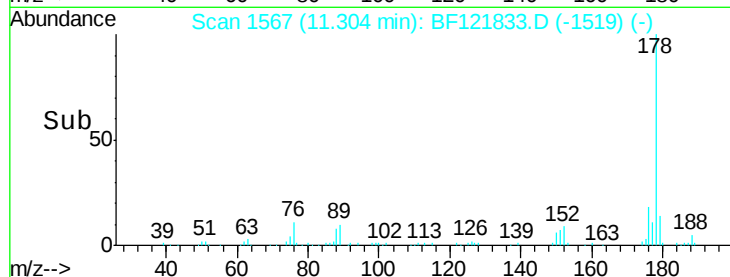
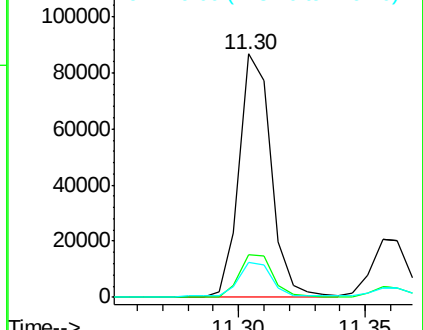


Abundance

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: 5.010 ng

RT: 12.49 min Scan# 1769

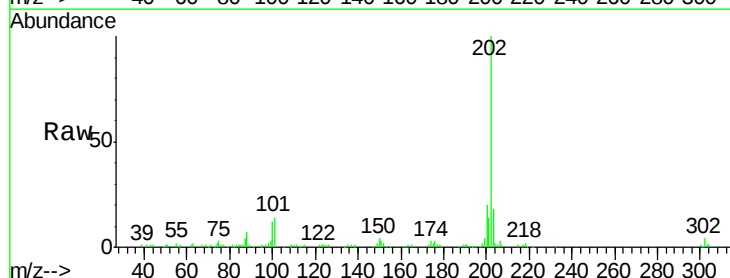
Delta R.T. -0.01 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

Tgt Ion:202 Resp: 79775

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.4
203	18.0	0.0	37.9

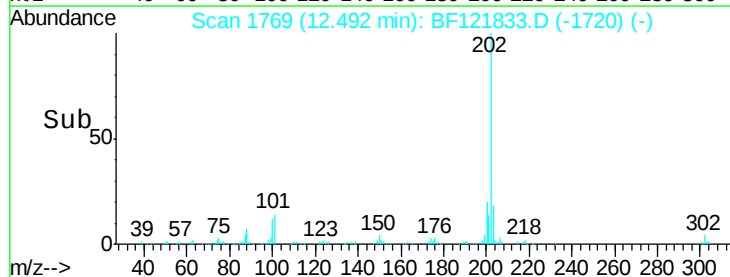
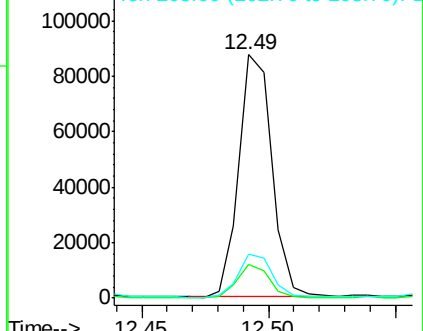


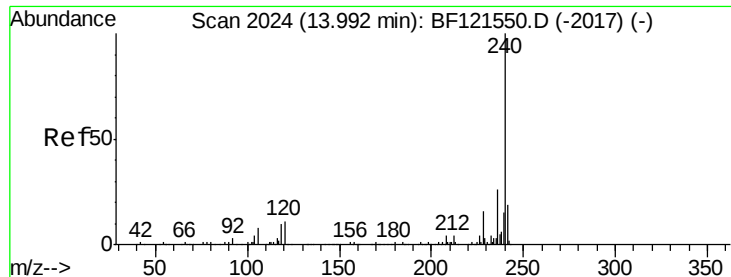
Abundance

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

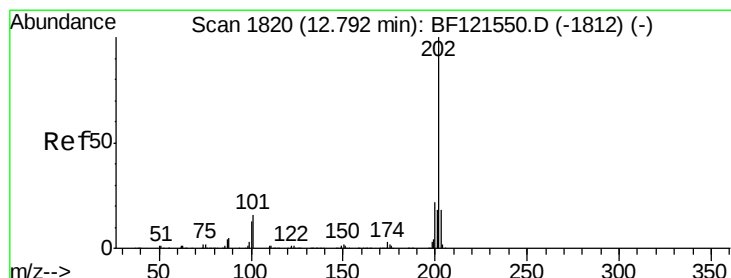
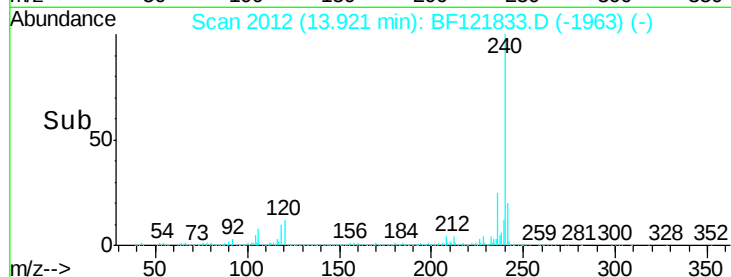
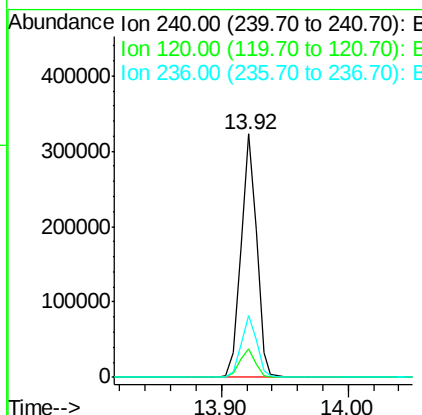
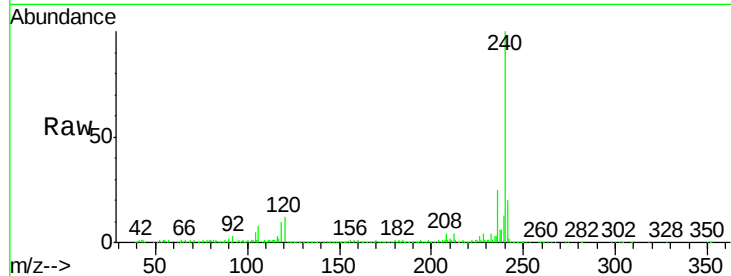




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

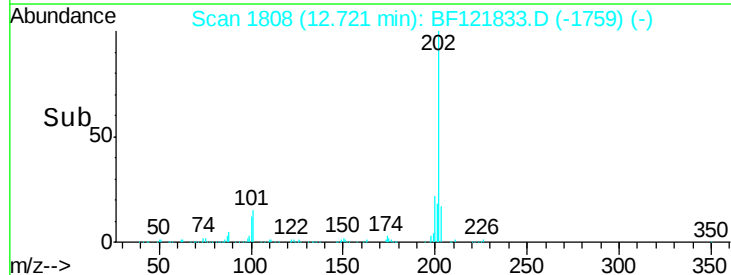
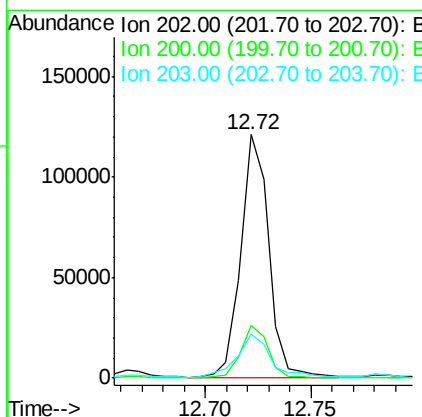
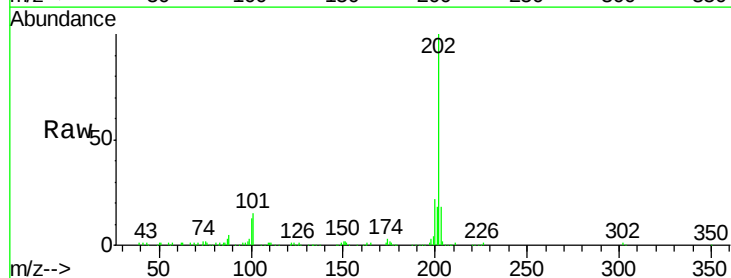
Instrument :
BNA_F
ClientSampleId :
OK-02-100120

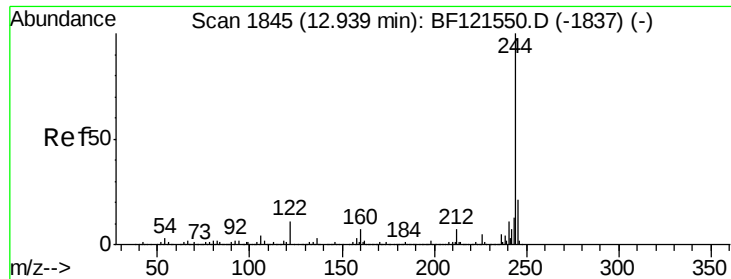
Tot Ion:240 Resp: 271859
Ion Ratio Lower Upper
240 100
120 11.6 9.2 13.8
236 25.2 20.9 31.3



#78
Pyrene
Concen: 5.541 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

Tgt Ion:202 Resp: 110067
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 18.0 14.6 21.8

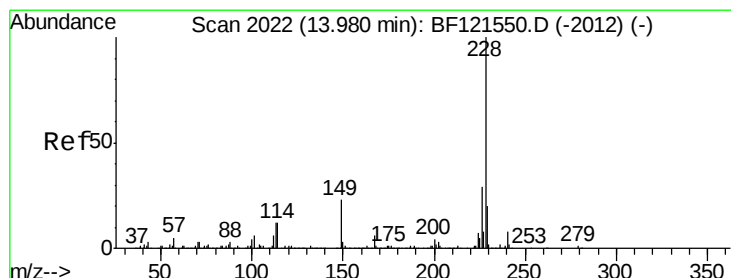
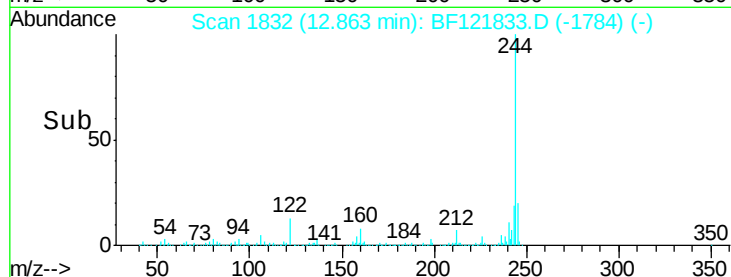
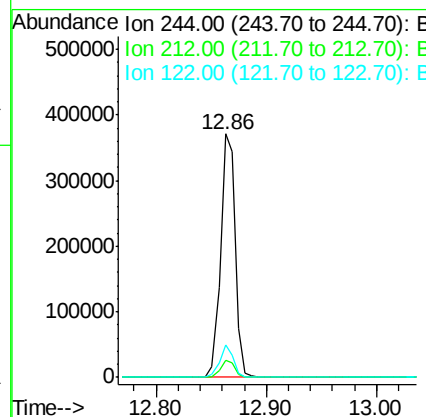
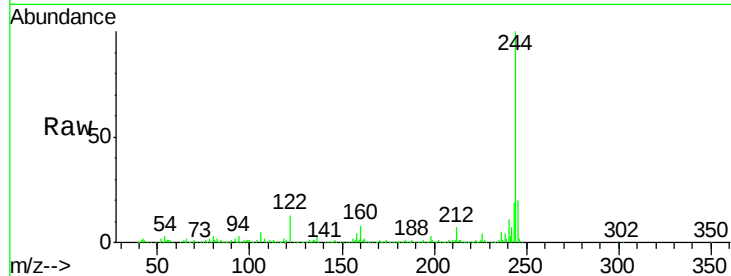




#79
 Terphenyl-d14
 Concen: 25.288 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF121833.D
 Acq: 5 Oct 2020 23:27

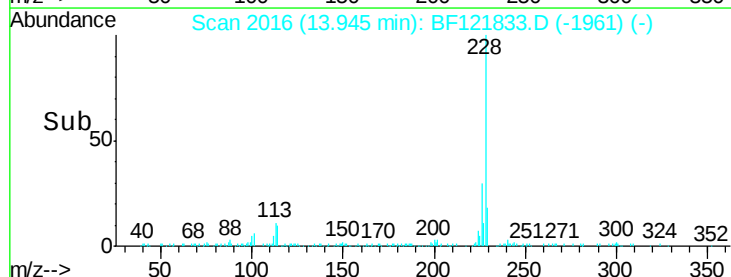
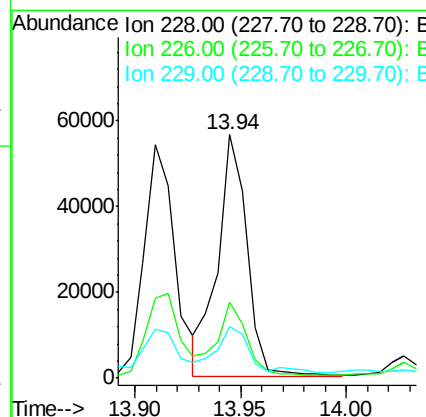
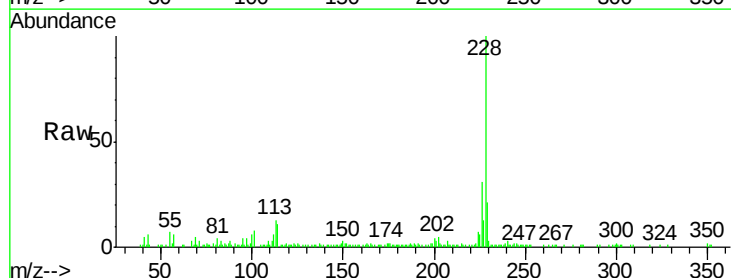
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-100120

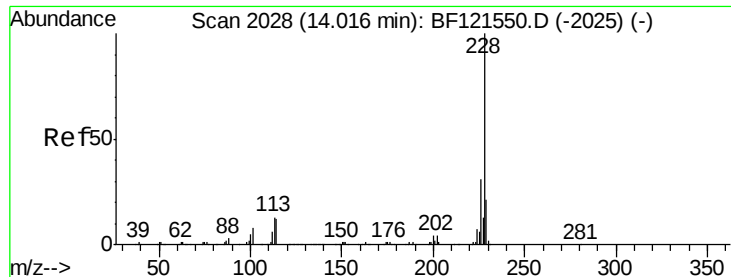
Tot Ion:244 Resp: 339338
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 13.2 8.1 12.1#



#81
 Benzo(a)anthracene
 Concen: 3.201 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.02 min
 Lab File: BF121833.D
 Acq: 5 Oct 2020 23:27

Tgt Ion:228 Resp: 55062
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.3 33.5
 229 21.2 16.2 24.4

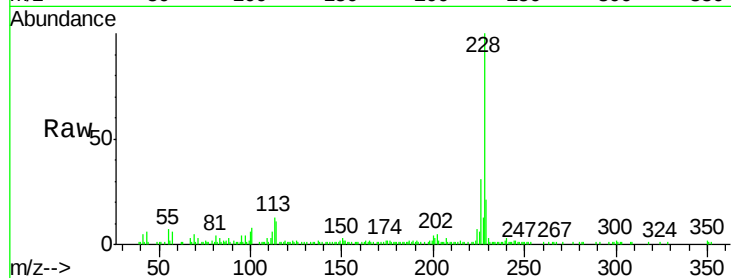




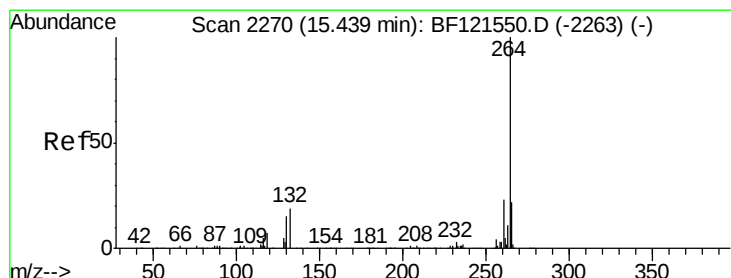
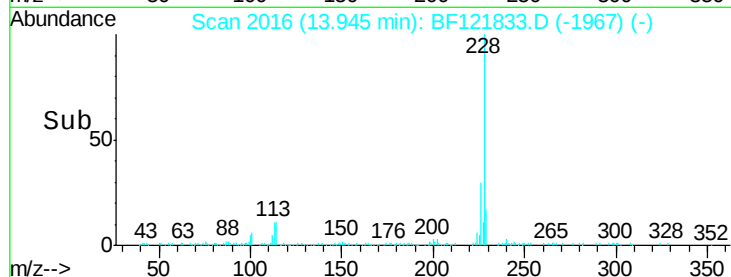
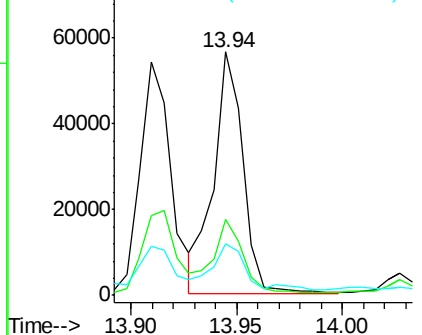
#83
Chrysene
Concen: 3.162 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

Instrument :
BNA_F
ClientSampleId :
OK-02-100120

Tot Ion:228 Resp: 55062
Ion Ratio Lower Upper
228 100
226 31.2 24.6 37.0
229 21.2 15.9 23.9

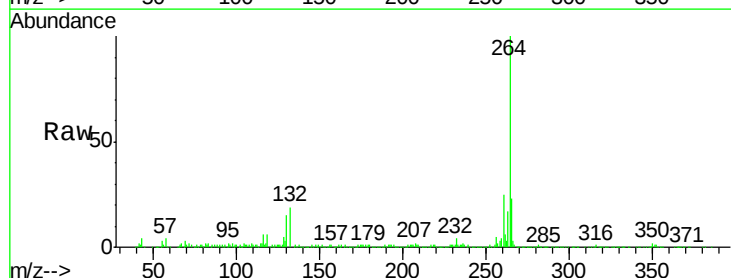


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

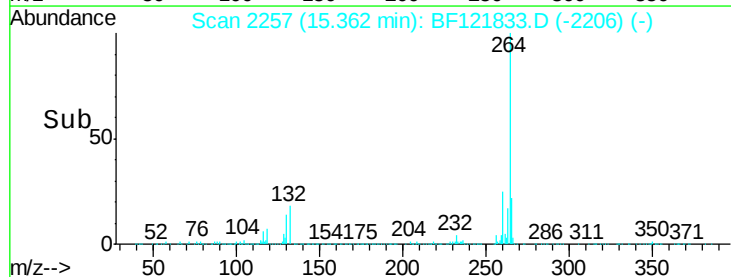
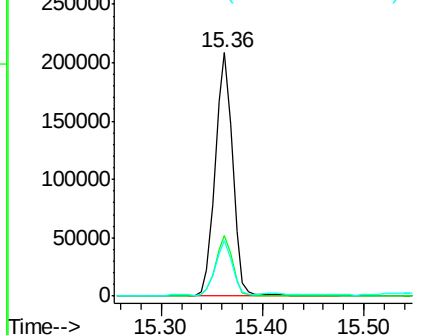


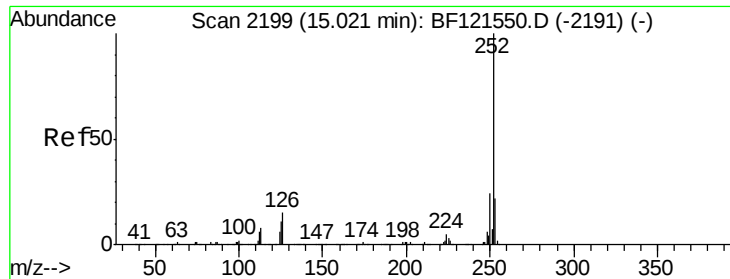
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

Tgt Ion:264 Resp: 247685
Ion Ratio Lower Upper
264 100
260 25.0 18.7 28.1
265 22.6 17.3 25.9



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

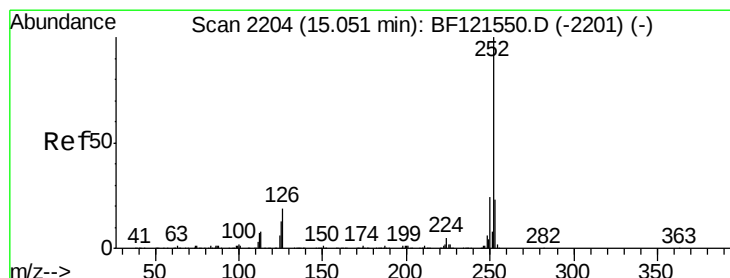
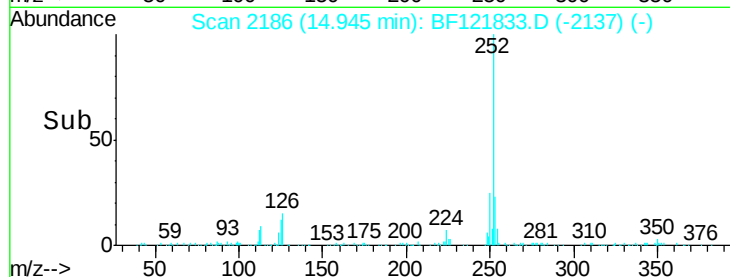
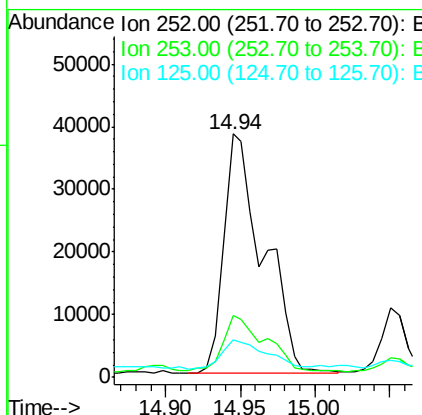
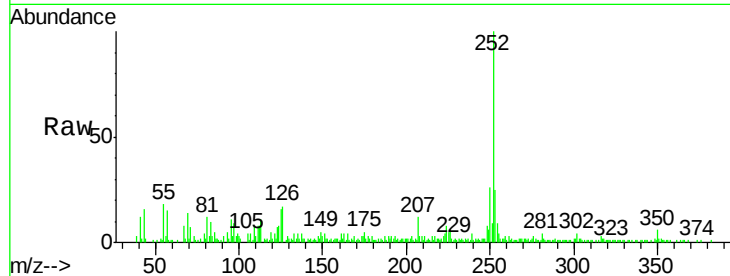




#88
Benzo(b)fluoranthene
Concen: 4.313 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

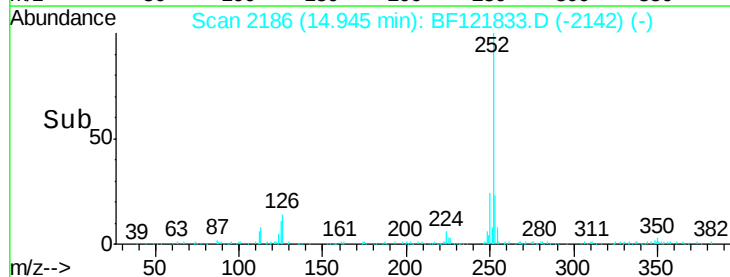
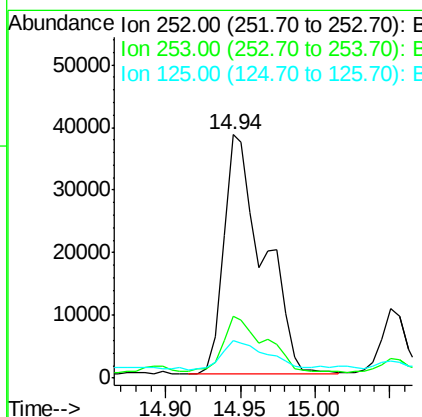
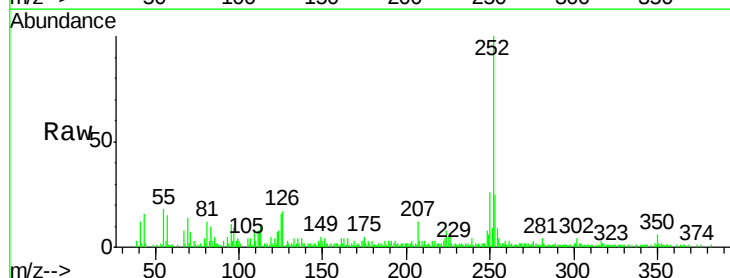
Instrument :
BNA_F
ClientSampleId :
OK-02-100120

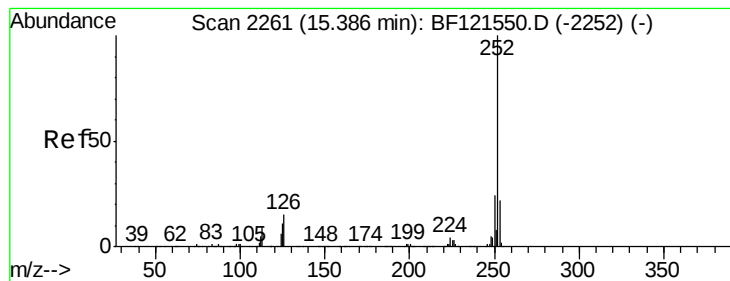
Tot Ion:252 Resp: 71417
Ion Ratio Lower Upper
252 100
253 25.4 18.2 27.2
125 15.6 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 4.710 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF121833.D
Acq: 5 Oct 2020 23:27

Tgt Ion:252 Resp: 71417
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 15.6 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 3.131 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF121833.D

Acq: 5 Oct 2020 23:27

Instrument :

BNA_F

ClientSampleId :

OK-02-100120

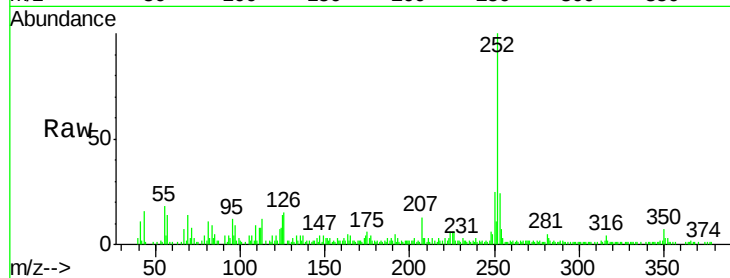
Tot Ion:252 Resp: 44072

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

125 14.5 8.6 13.0#



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

