

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
 Data File : BF121285.D
 Acq On : 13 Aug 2020 22:43
 Operator : JU/CG
 Sample : L3501-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081220

Quant Time: Aug 14 00:47:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

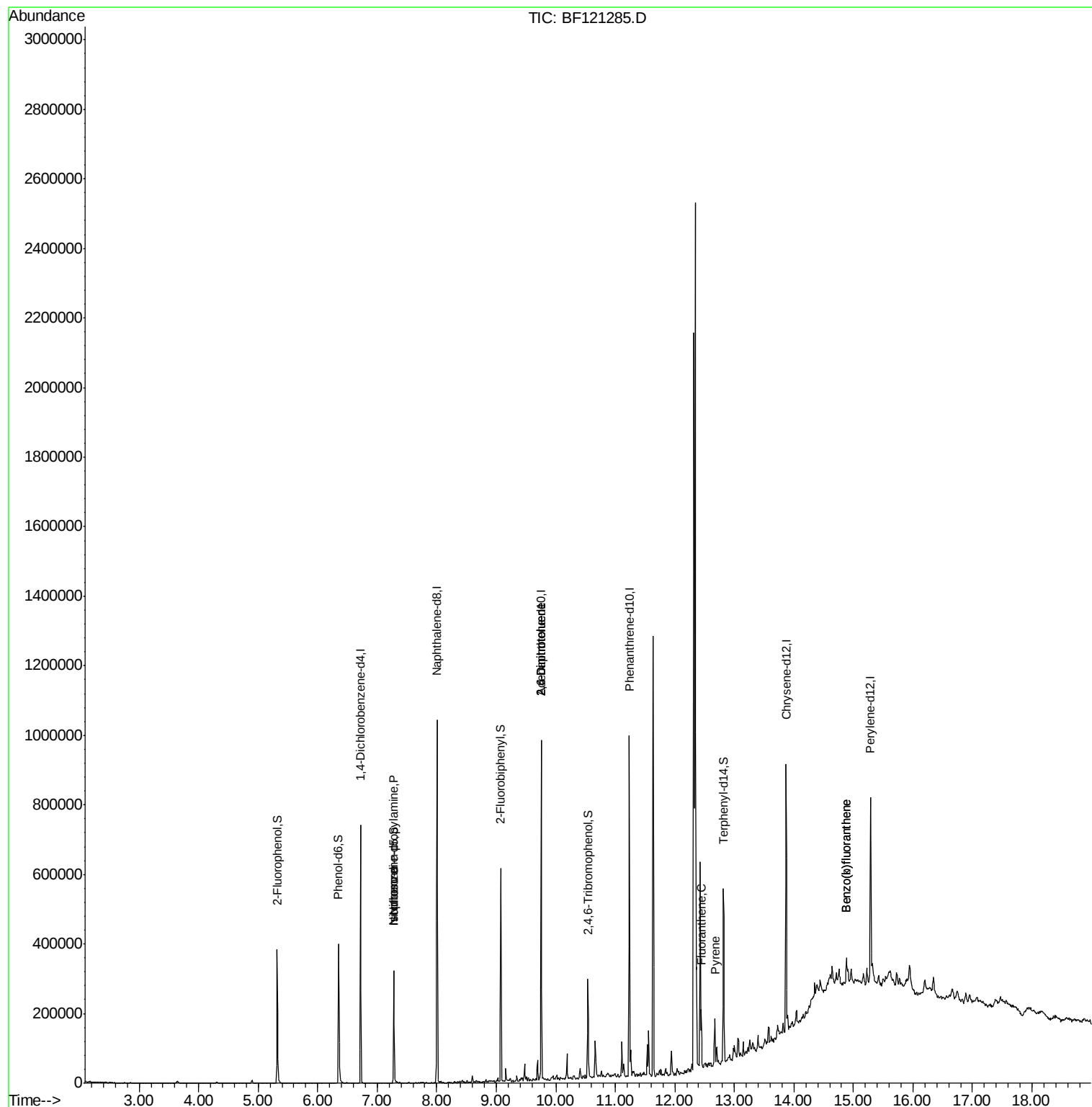
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	106090	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	403136	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	197820	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	350524	20.00	ng	0.00
76) Chrysene-d12	13.87	240	239616	20.00	ng	0.00
86) Perylene-d12	15.29	264	244468	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	118268	16.90	ng	0.01
7) Phenol-d6	6.35	99	142157	15.76	ng	0.00
23) Nitrobenzene-d5	7.28	82	87285	11.83	ng	0.00
42) 2,4,6-Tribromophenol	10.54	330	32567	13.37	ng	0.00
45) 2-Fluorobiphenyl	9.07	172	179681	12.56	ng	0.00
79) Terphenyl-d14	12.82	244	145211	11.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	11449	2.285	ng	# 80
25) Isophorone	7.28	82	87283	5.894	ng	# 62
51) 2,6-Dinitrotoluene	9.75	165	26119	7.871	ng	# 26
57) 2,4-Dinitrotoluene	9.75	165	26119	5.998	ng	# 27
75) Fluoranthene	12.44	202	56013	2.508	ng	99
78) Pyrene	12.67	202	48280	2.706	ng	99
88) Benzo(b)fluoranthene	14.89	252	41302	2.521	ng	# 85
89) Benzo(k)fluoranthene	14.89	252	41302	2.715	ng	# 86

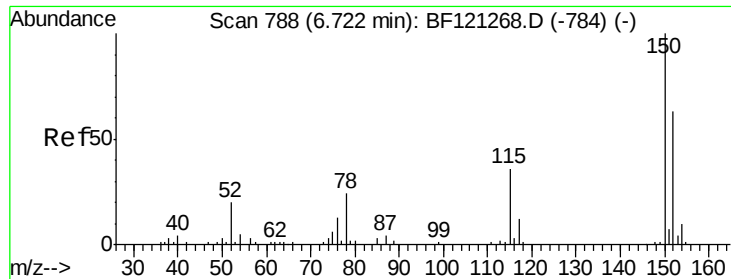
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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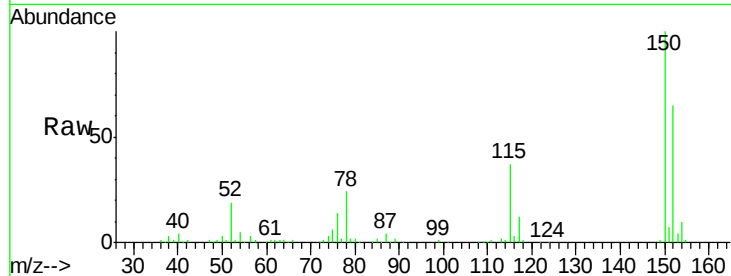




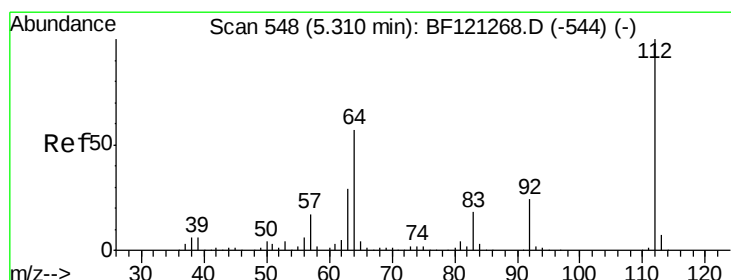
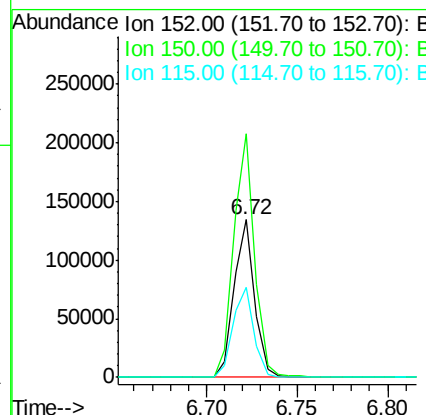
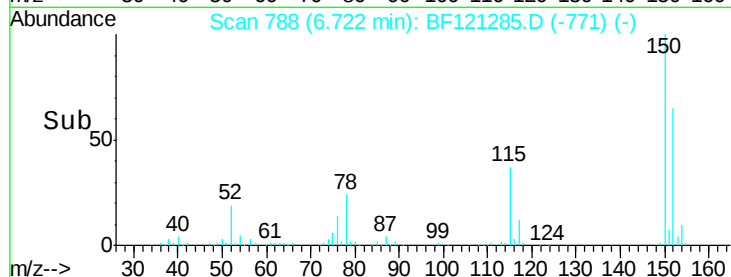
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

Instrument :
 BNA_F
 ClientSampleID :
 NB-08-081220

Tot Ion:152 Resp: 106090
 Ion Ratio Lower Upper
 152 100
 150 154.5 129.0 193.6
 115 57.2 49.0 73.4

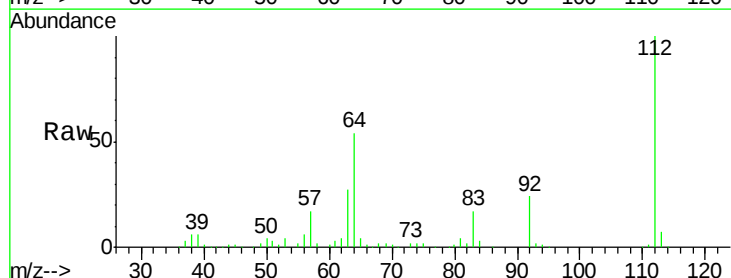


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

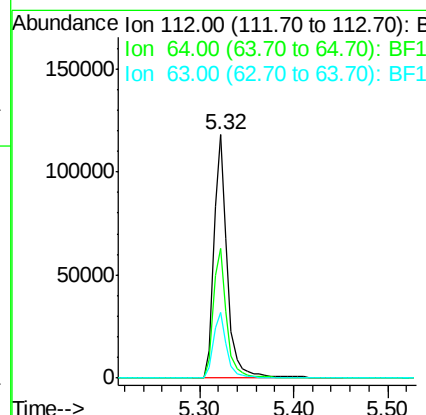
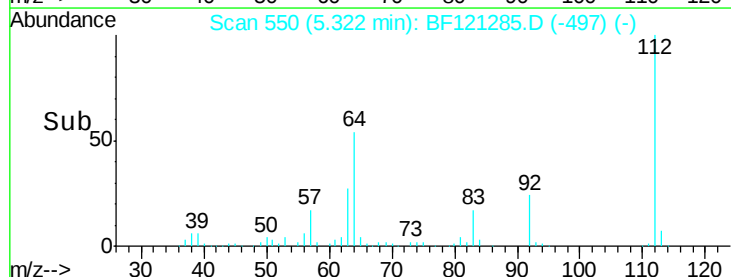


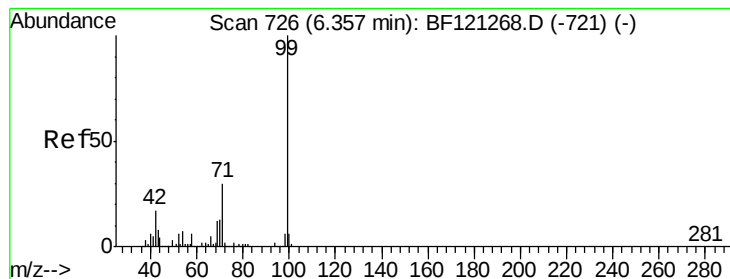
#5
 2-Fluorophenol
 Concen: 16.901 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

Tgt Ion:112 Resp: 118268
 Ion Ratio Lower Upper
 112 100
 64 53.5 45.4 68.2
 63 27.2 23.0 34.6



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: 15.765 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

Instrument :

BNA_F

ClientSampleId :

NB-08-081220

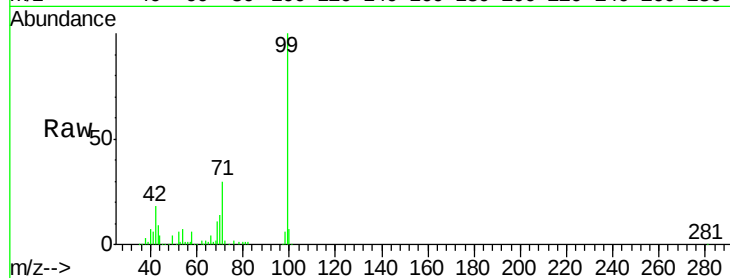
Tot Ion: 99 Resp: 142157

Ion Ratio Lower Upper

99 100

42 17.8 13.1 19.7

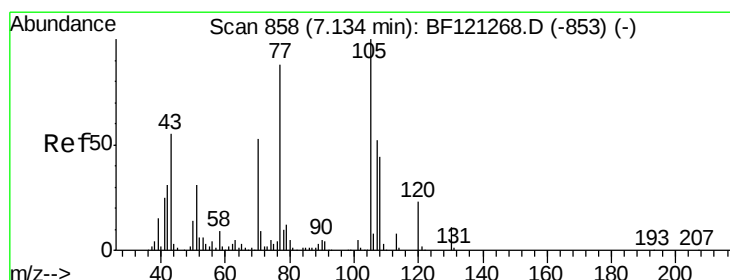
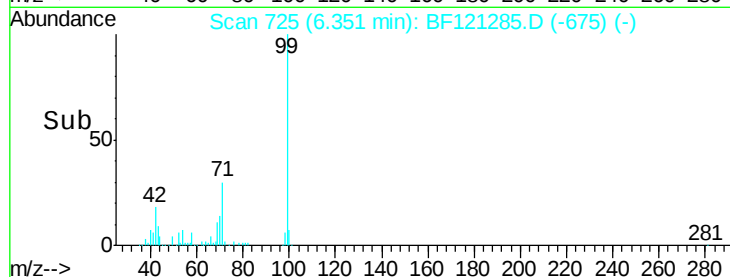
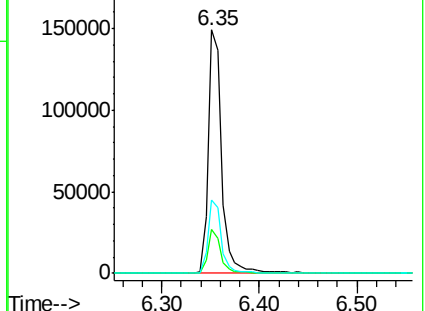
71 30.4 23.7 35.5



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: 2.285 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

Tgt Ion: 70 Resp: 11449

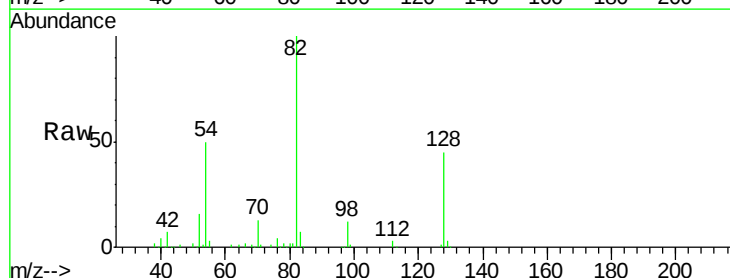
Ion Ratio Lower Upper

70 100

42 49.6 45.6 68.4

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

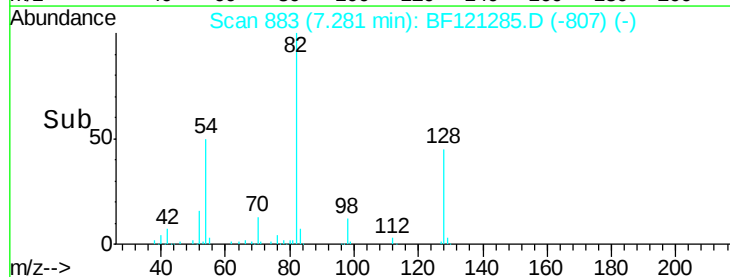
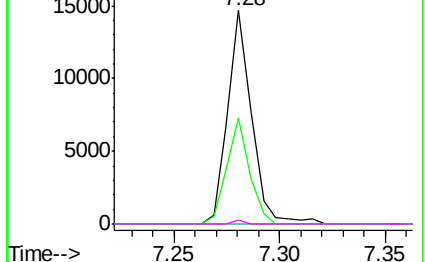


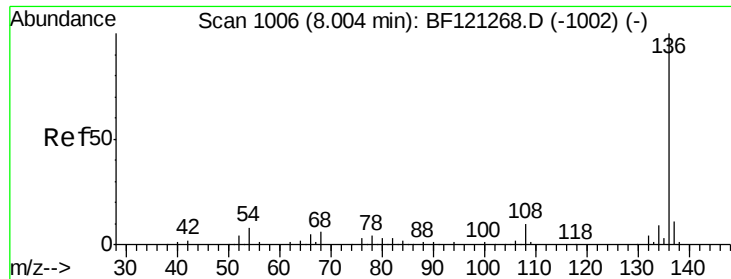
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

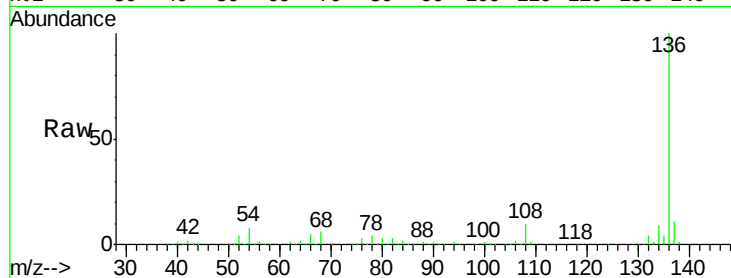




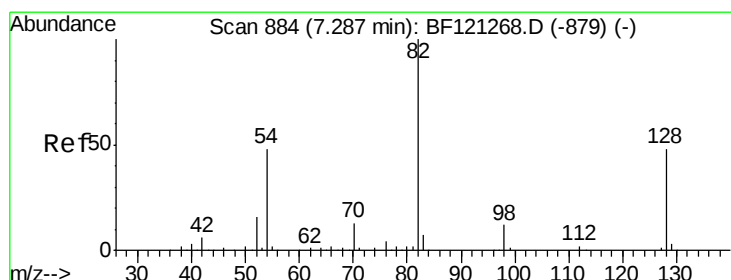
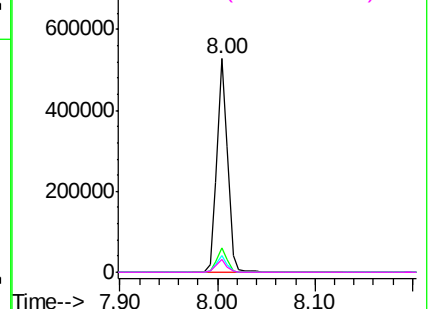
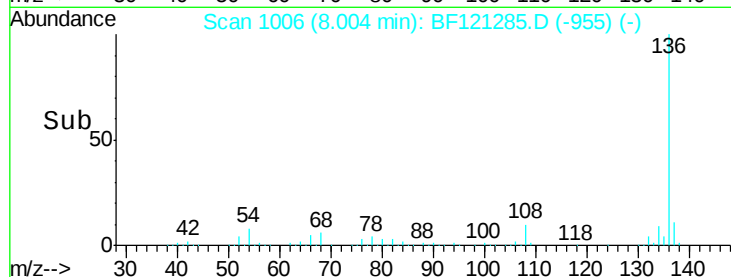
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Instrument :
BNA_F
ClientSampleId :
NB-08-081220

Tot Ion:136	Resp:	403136
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.6 13.0
54	7.6	5.3 7.9
68	6.1	4.2 6.2

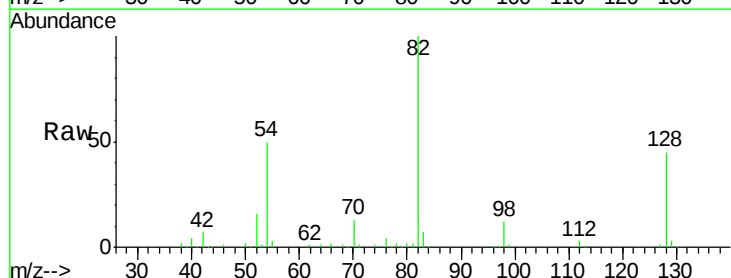


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

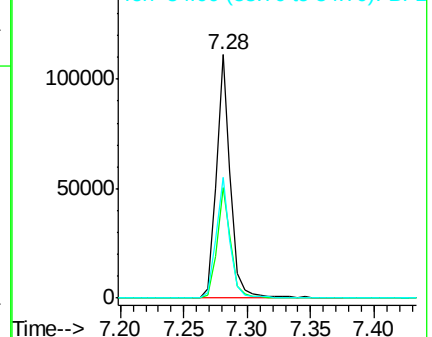
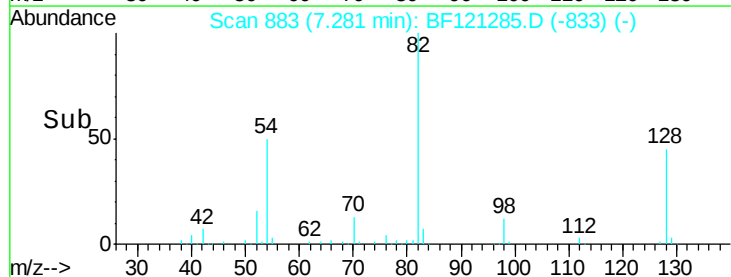


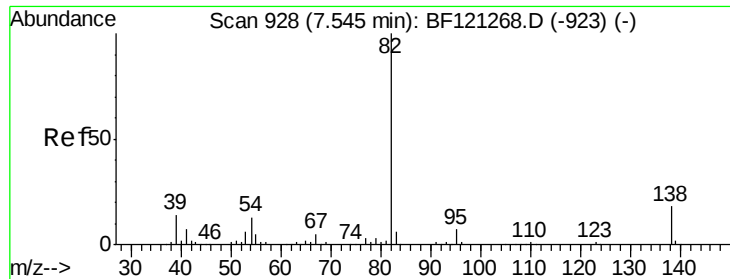
#23
Nitrobenzene-d5
Concen: 11.833 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Tgt Ion: 82	Resp:	87285
Ion	Ratio	Lower Upper
82	100	
128	45.3	39.8 59.8
54	49.8	37.7 56.5



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: 5.894 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

Instrument :

BNA_F

ClientSampleId :

NB-08-081220

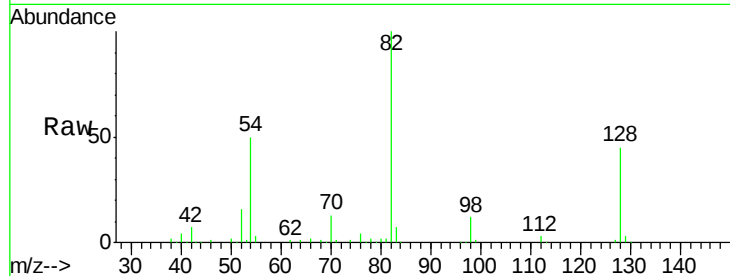
Tot Ion: 82 Resp: 87283

Ion Ratio Lower Upper

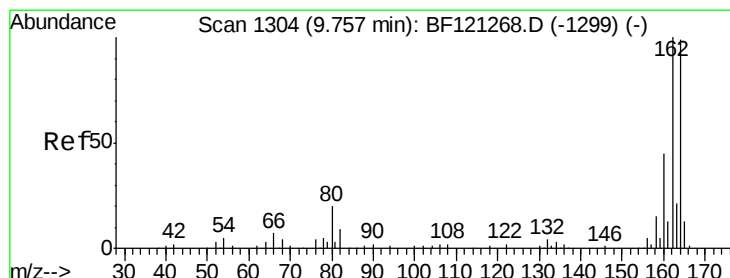
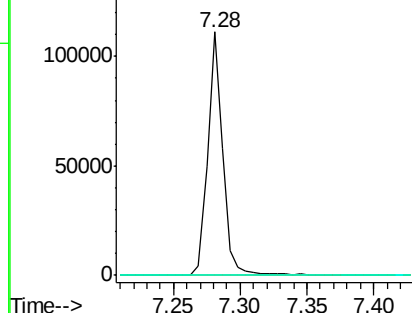
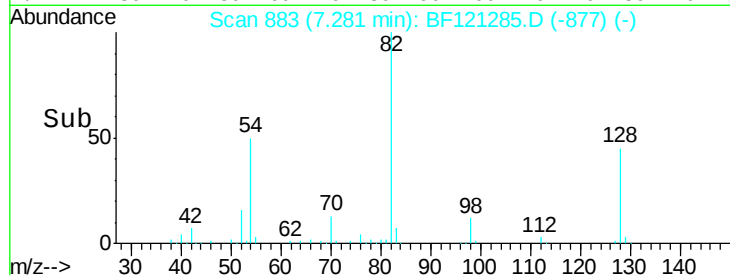
82 100

95 0.0 5.2 7.8#

138 0.0 16.0 24.0#



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: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

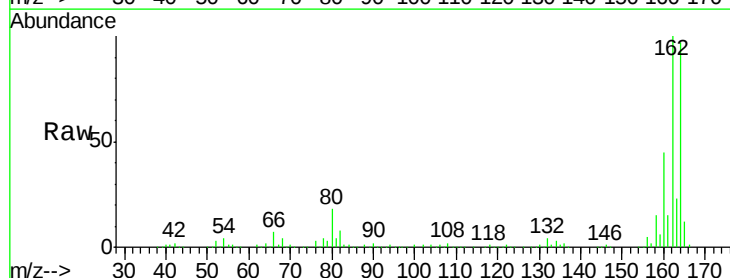
Tgt Ion:164 Resp: 197820

Ion Ratio Lower Upper

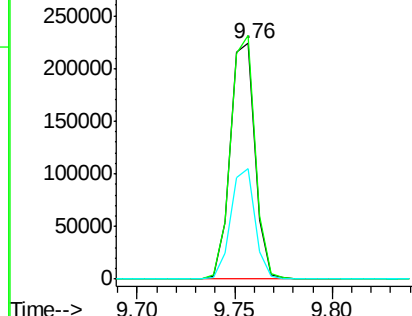
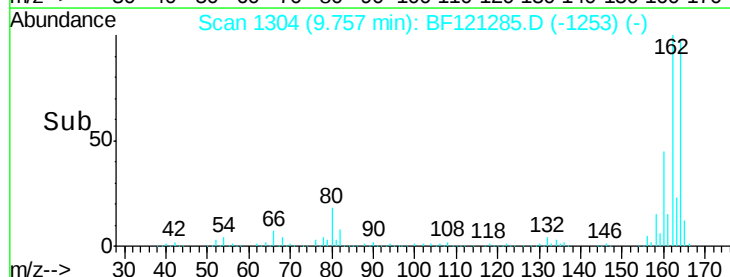
164 100

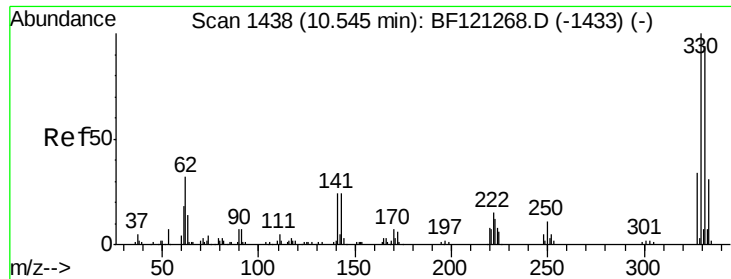
162 103.4 81.2 121.8

160 47.0 36.9 55.3



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: 13.371 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

Instrument :

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ClientSampleId :

NB-08-081220

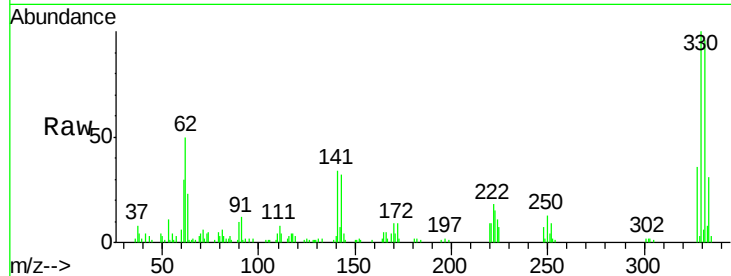
Tot Ion:330 Resp: 32567

Ion Ratio Lower Upper

330 100

332 95.9 75.4 113.0

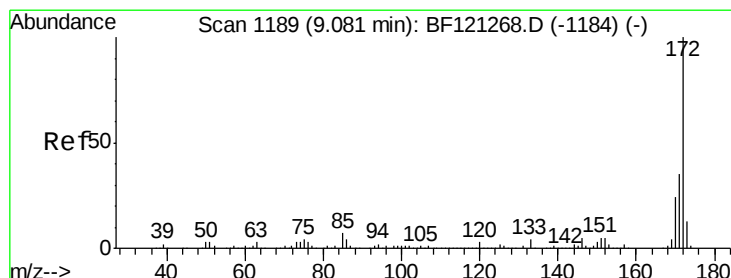
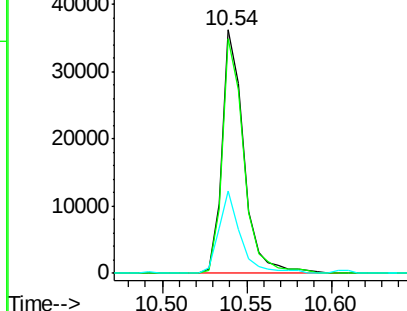
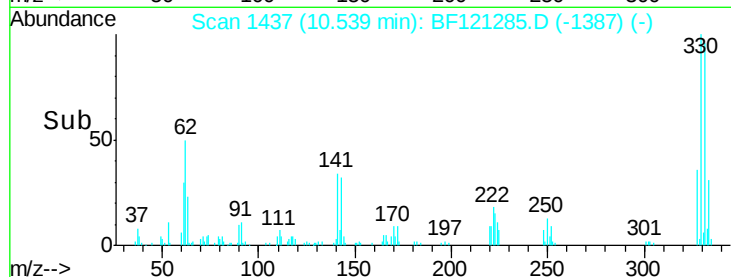
141 33.9 23.4 35.2



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: 12.565 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

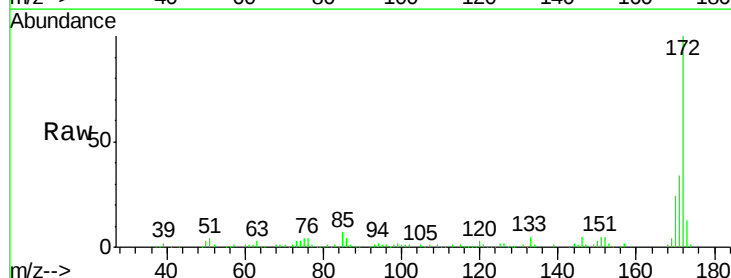
Tgt Ion:172 Resp: 179681

Ion Ratio Lower Upper

172 100

171 34.3 28.3 42.5

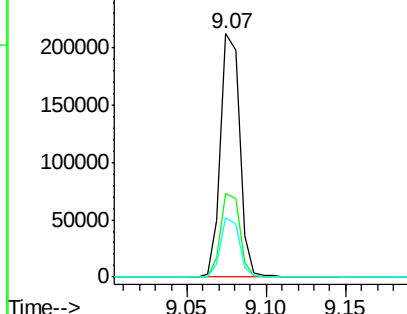
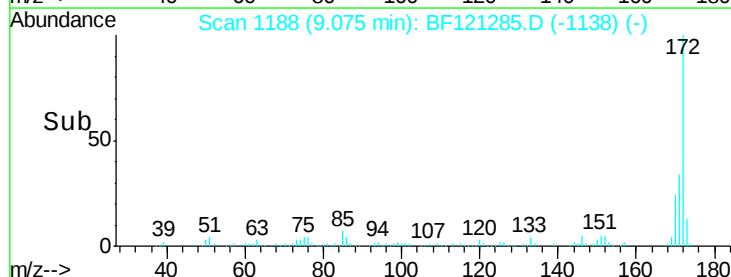
170 24.2 19.3 28.9

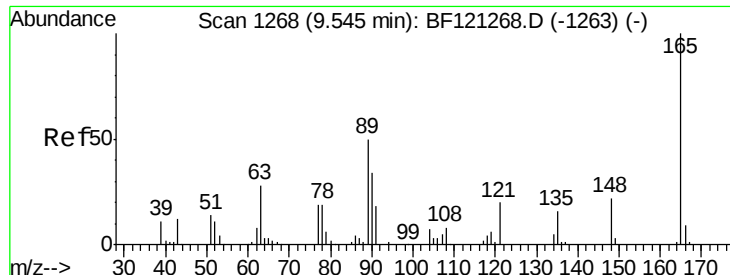


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

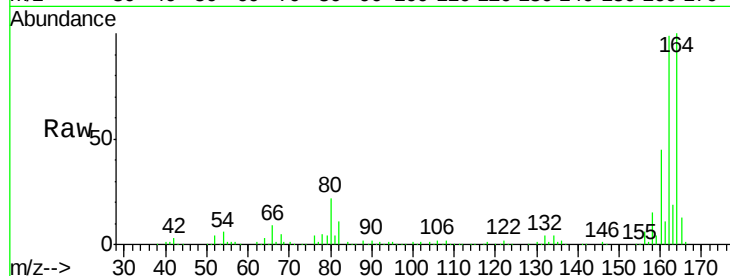




#51
 2,6-Dinitrotoluene
 Concen: 7.871 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081220

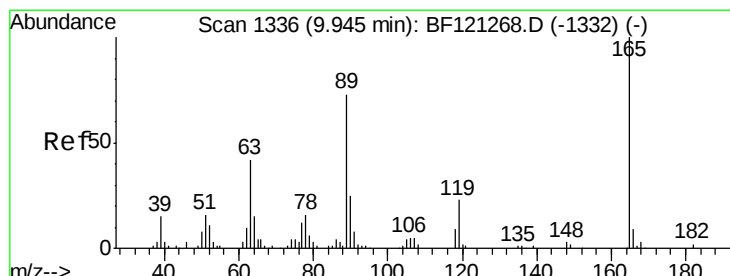
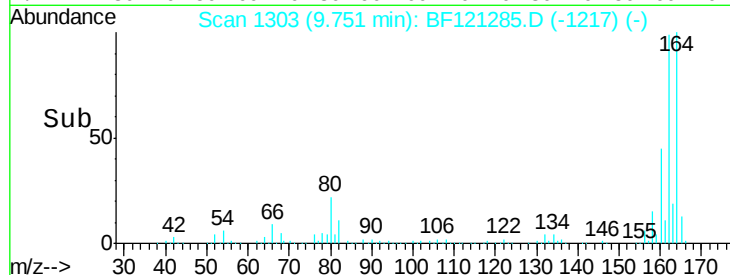
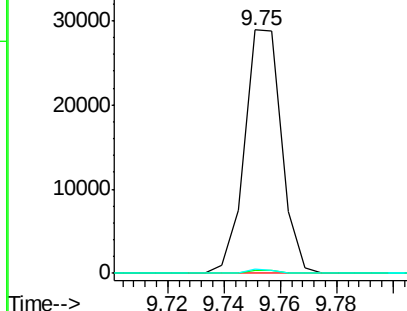
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.3	63.5#
89	1.7	45.0	67.4#



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



#57
 2,4-Dinitrotoluene
 Concen: 5.998 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

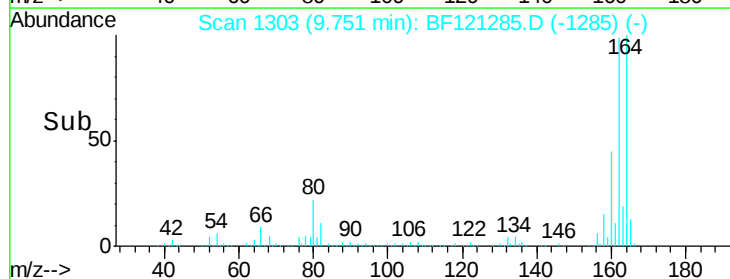
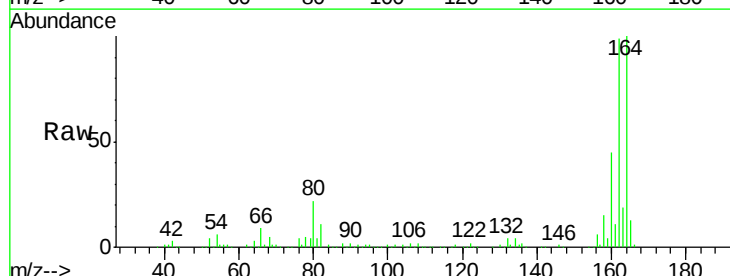
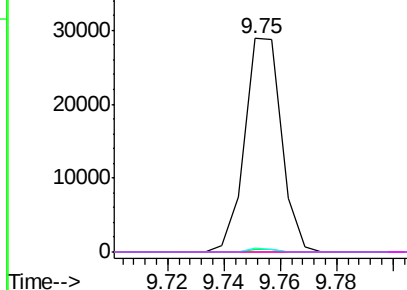
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	31.9	47.9#
89	1.7	53.6	80.4#
182	0.0	1.8	2.6#

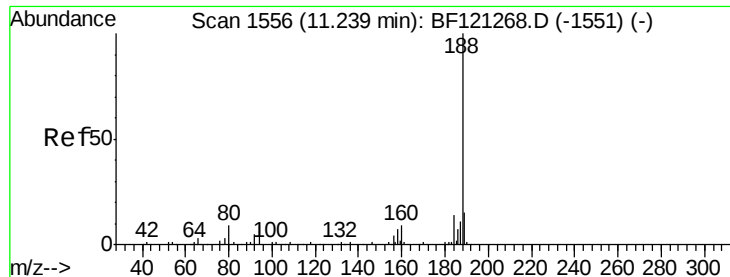
Abundance Ion 165.00 (164.70 to 165.70): E

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

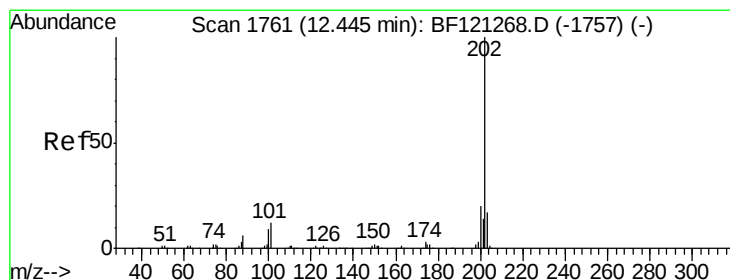
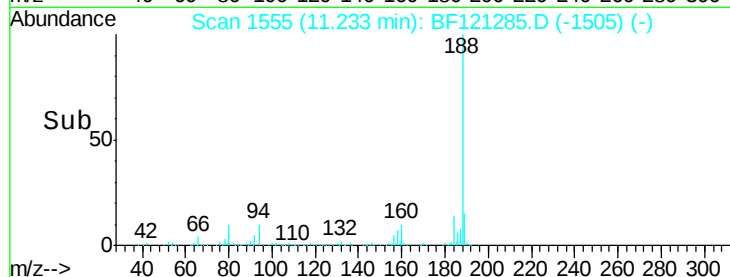
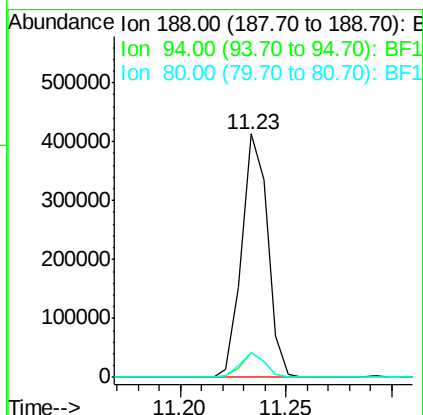
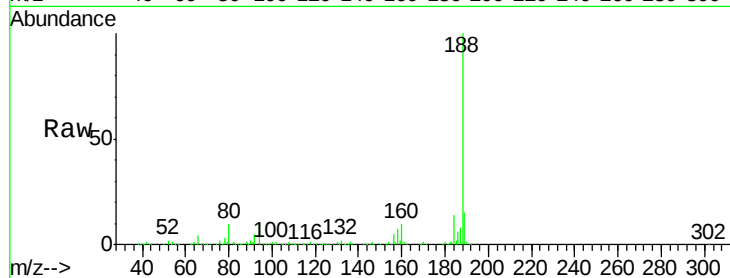




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

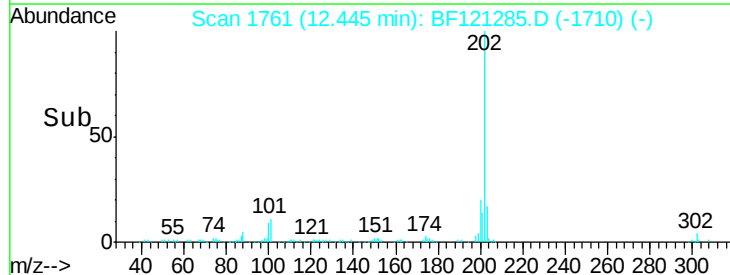
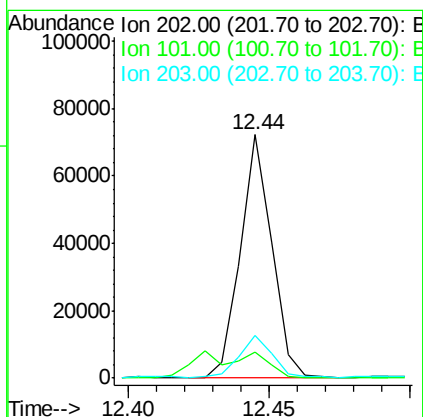
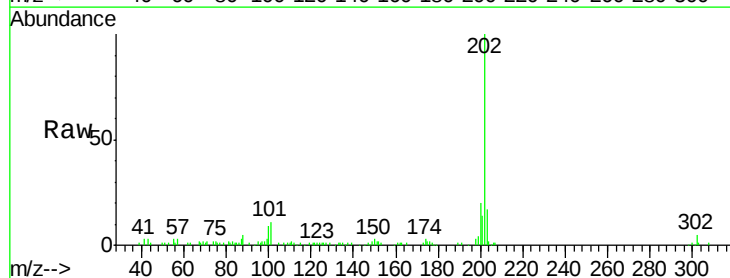
Instrument :
BNA_F
ClientSampleId :
NB-08-081220

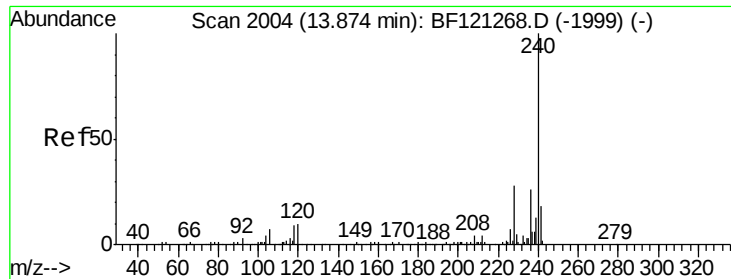
Tot Ion:188 Resp: 350524
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.6
80 10.1 7.4 11.0



#75
Fluoranthene
Concen: 2.508 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.00 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Tgt Ion:202 Resp: 56013
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.6
203 17.4 0.0 38.0

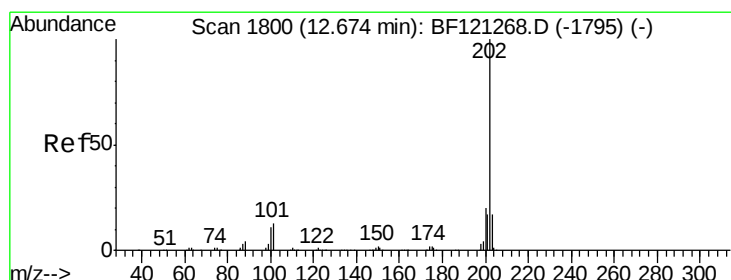
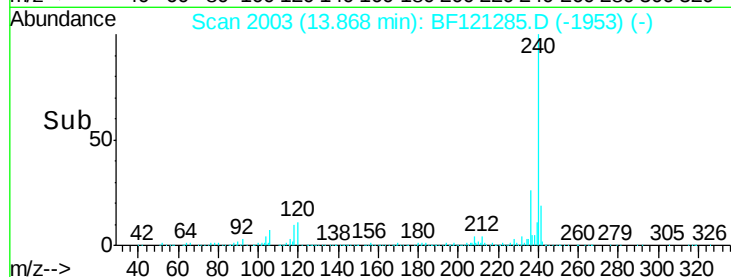
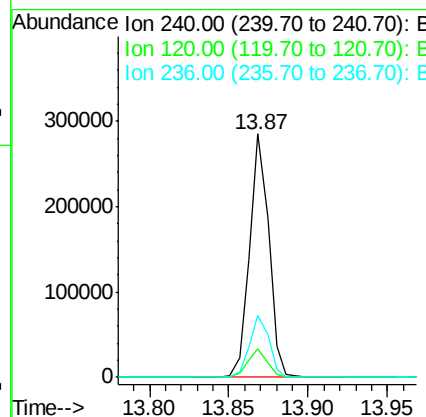
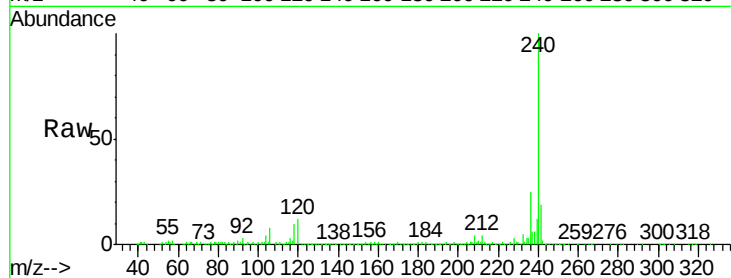




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

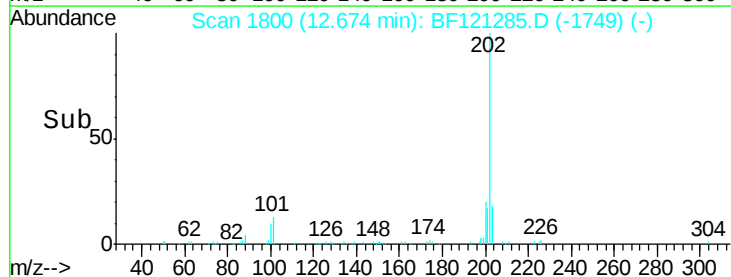
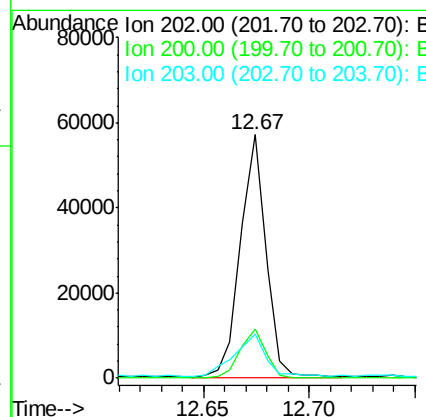
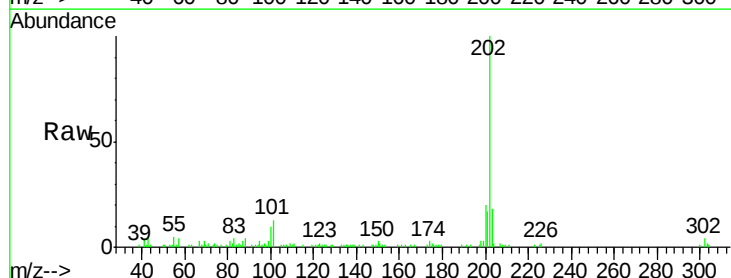
Instrument :
BNA_F
ClientSampleId :
NB-08-081220

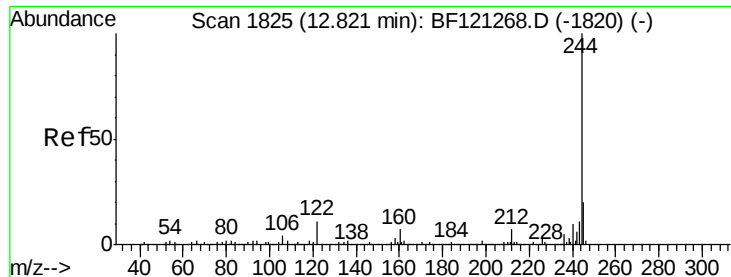
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.2	13.8
236	25.5	21.0	31.4



#78
Pyrene
Concen: 2.706 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.3	24.5
203	18.1	13.8	20.8





#79

Terphenyl-d14

Concen: 11.813 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

Instrument :

BNA_F

ClientSampleId :

NB-08-081220

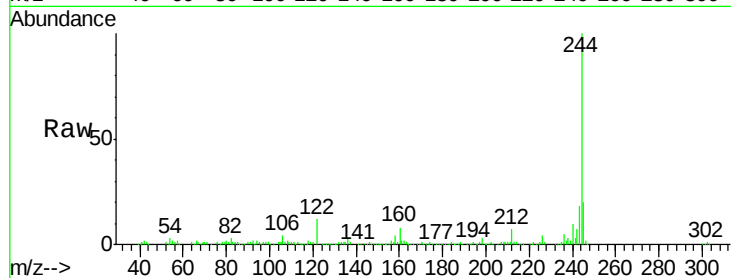
Tot Ion:244 Resp: 145211

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

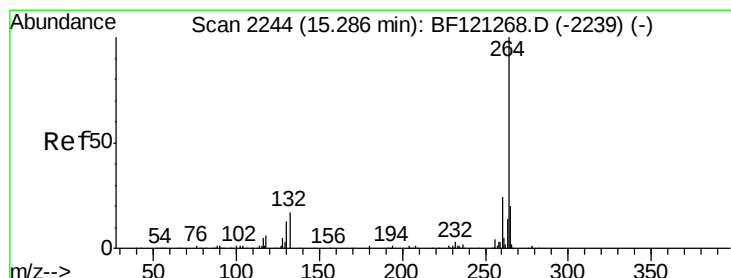
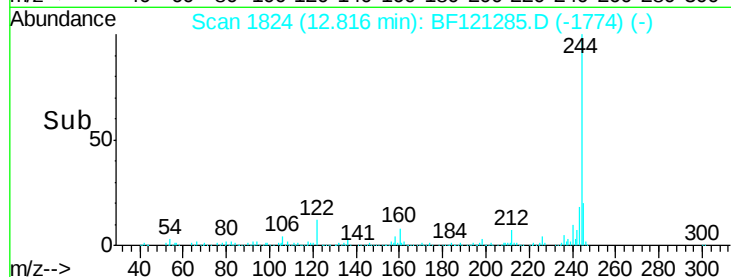
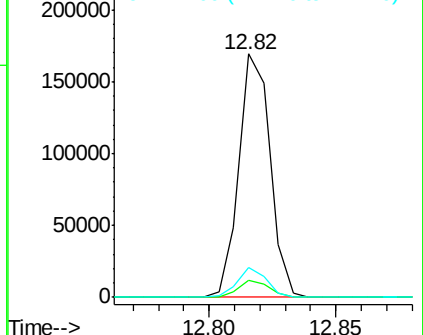
122 12.3 9.1 13.7



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.00 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

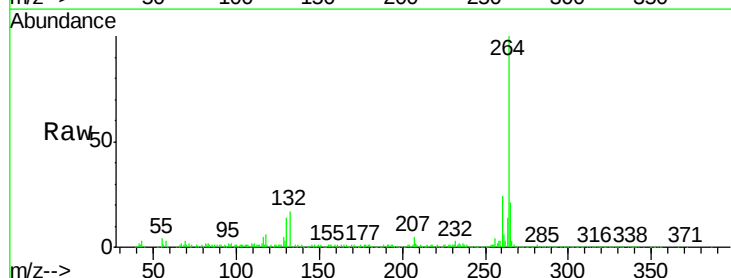
Tgt Ion:264 Resp: 244468

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

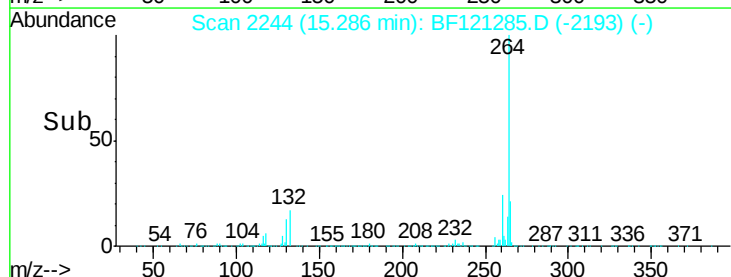
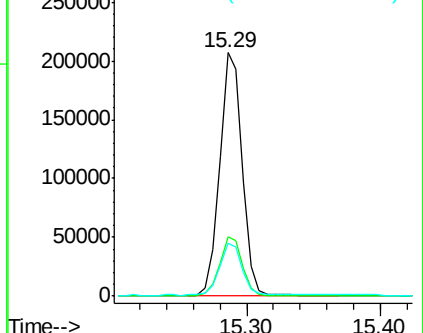
265 21.5 17.1 25.7

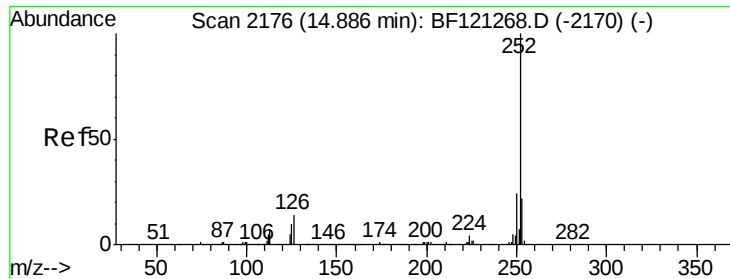


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

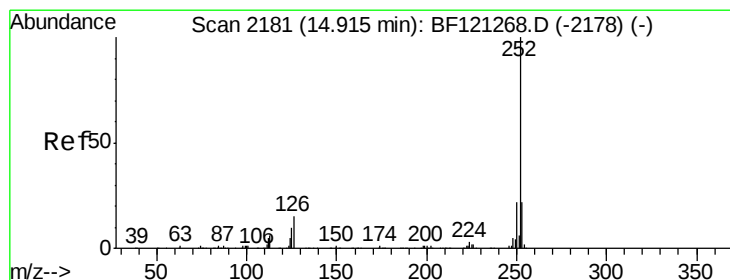
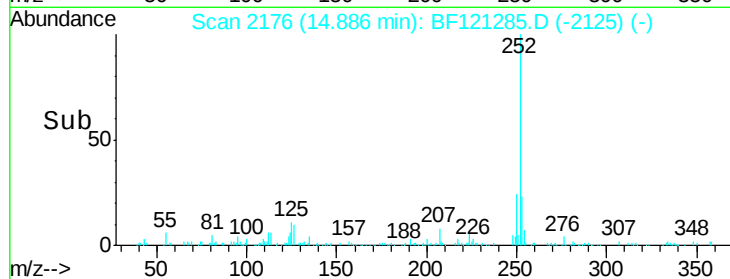
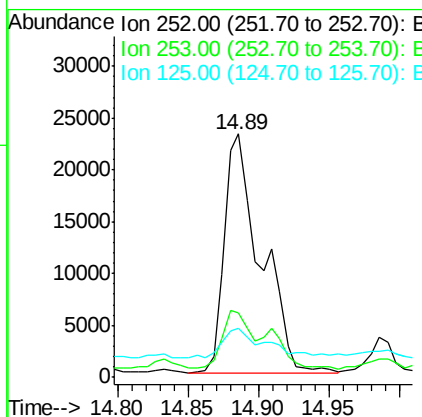
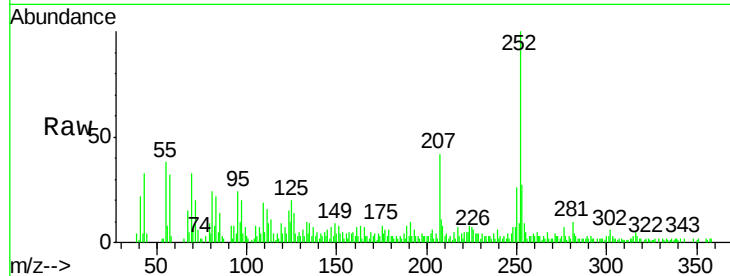




#88
Benzo(b)fluoranthene
Concen: 2.521 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Instrument :
BNA_F
ClientSampleId :
NB-08-081220

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	20.3	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 2.715 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.0	27.0
125	20.3	8.8	13.2

