

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: 2

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081220

Quant Time: Aug 14 03:11:46 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

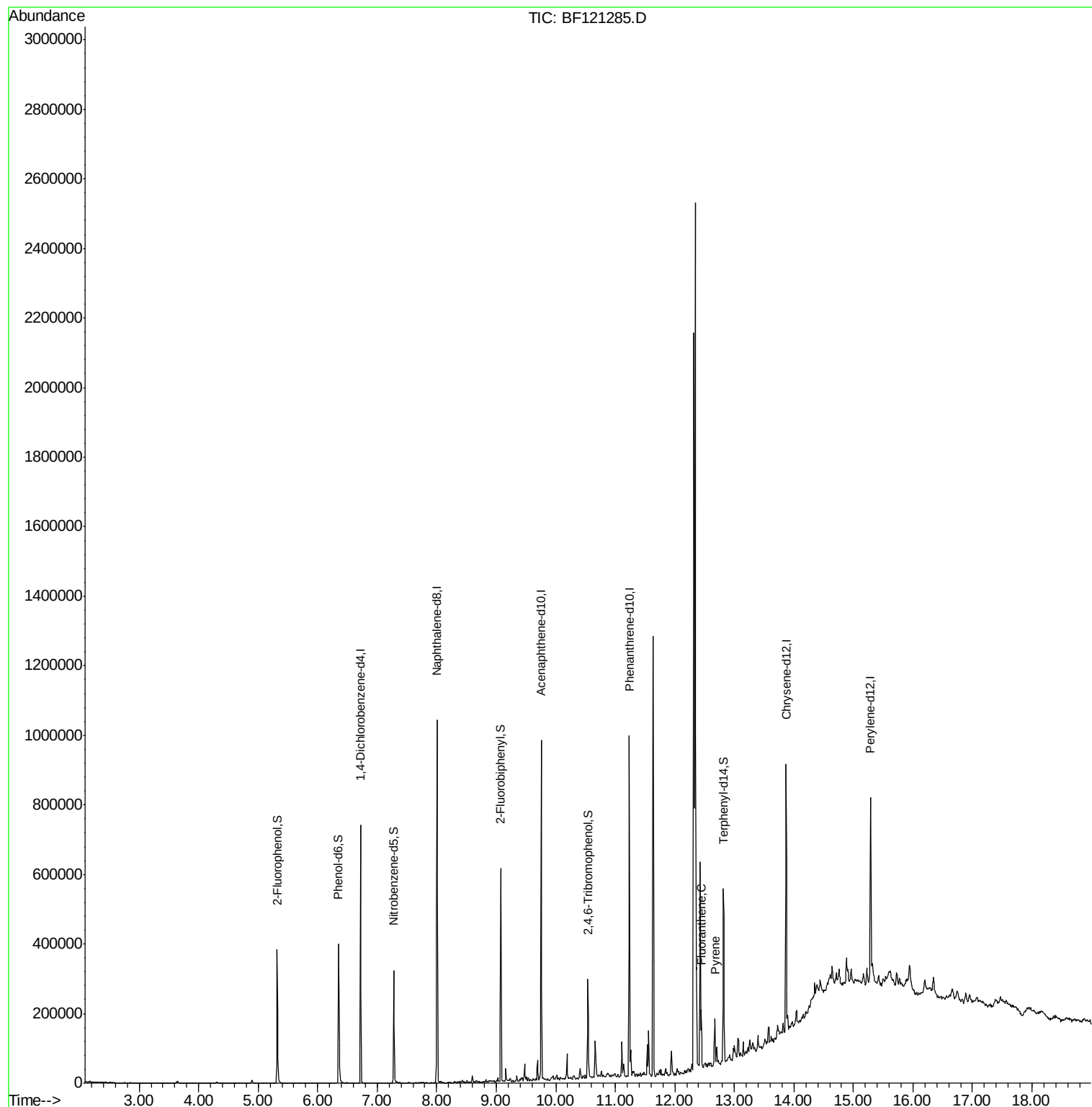
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	106090	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	403136	40.00	ng	0.00
39) Acenaphthene-d10	9.76	164	197820	40.00	ng	0.00
64) Phenanthrene-d10	11.23	188	350524	40.00	ng	0.00
76) Chrysene-d12	13.87	240	239616	40.00	ng	0.00
86) Perylene-d12	15.29	264	244468	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	118268	33.80	ng	0.01
7) Phenol-d6	6.35	99	142157	31.53	ng	0.00
23) Nitrobenzene-d5	7.28	82	87285	23.67	ng	0.00
42) 2,4,6-Tribromophenol	10.54	330	32567	26.74	ng	0.00
45) 2-Fluorobiphenyl	9.07	172	179681	25.13	ng	0.00
79) Terphenyl-d14	12.82	244	145211	23.63	ng	0.00
Target Compounds						
71) Phenanthrene	11.26	178	24062	2.400	ng	99
75) Fluoranthene	12.44	202	56013	5.017	ng	99
78) Pyrene	12.67	202	48280	5.411	ng	99
81) Benzo(a)anthracene	13.86	228	22563	2.777	ng	96
83) Chrysene	13.89	228	24488	2.952	ng	96
90) Benzo(a)pyrene	15.23	252	19063	2.579	ng	# 82

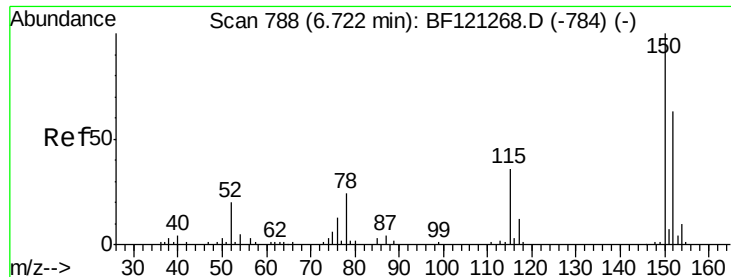
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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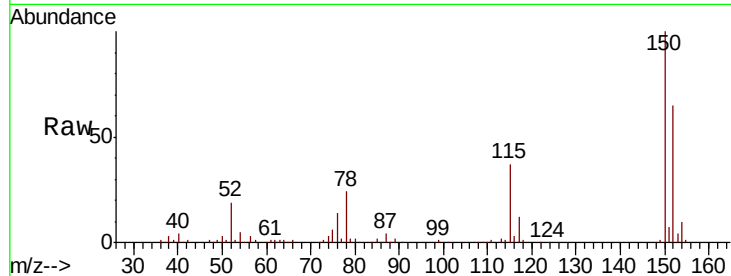




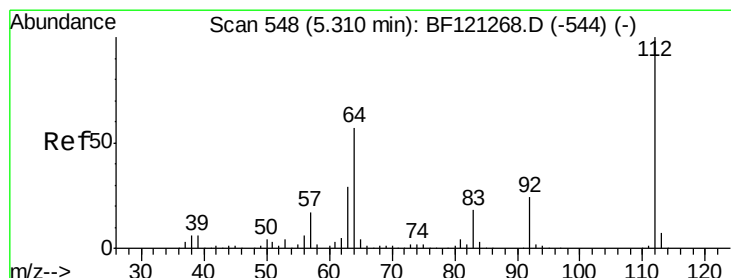
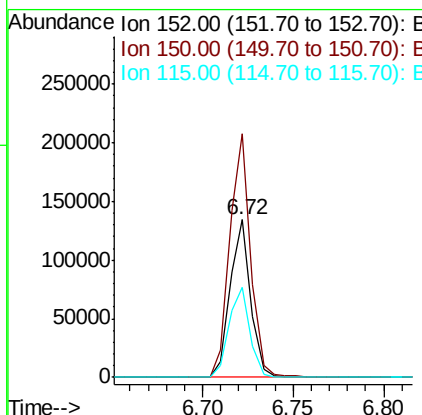
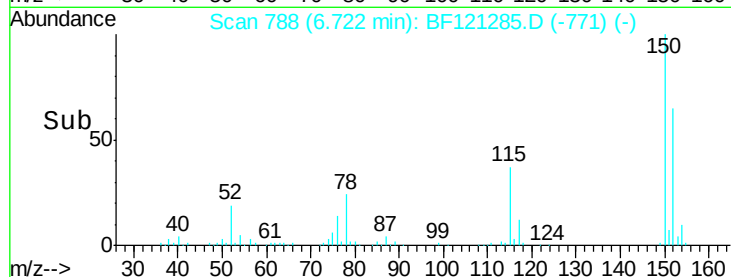
#1
 1,4-Dichlorobenzene-d4
 Concen: 40.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

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

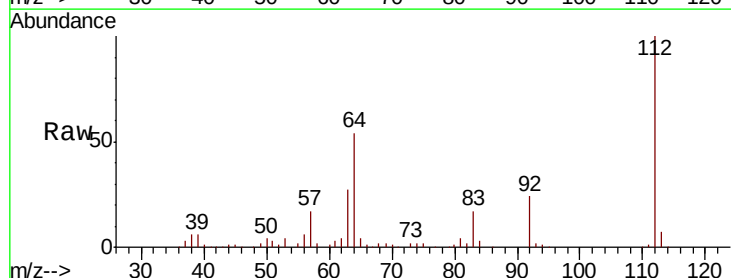


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

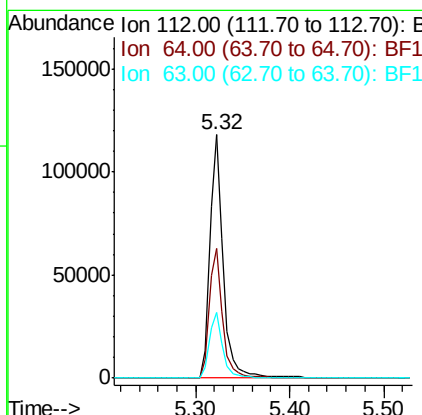
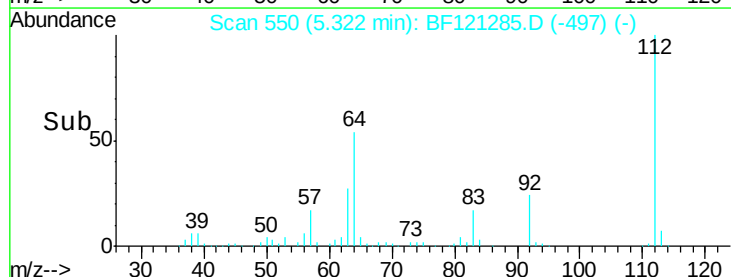


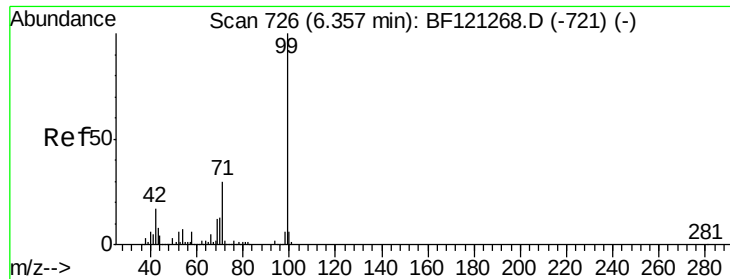
#5
 2-Fluorophenol
 Concen: 33.802 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

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: 31.529 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

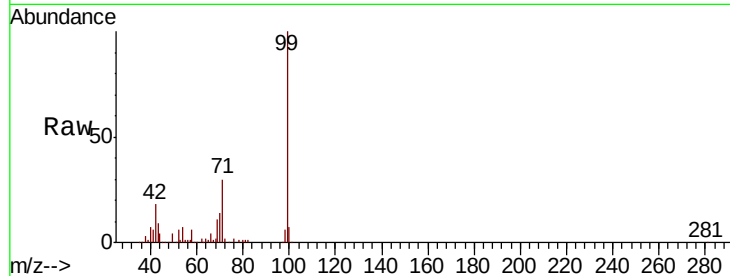
Tot Ion: 99 Resp: 142157

Ion Ratio Lower Upper

99 100

42 17.8 13.1 19.7

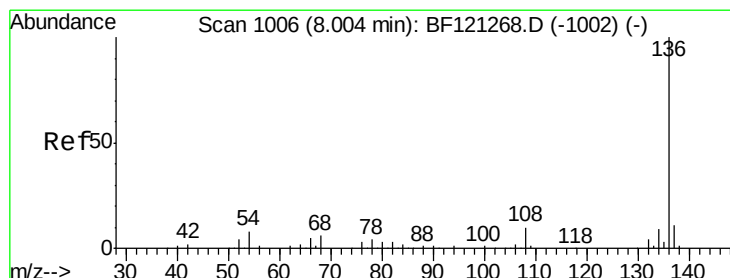
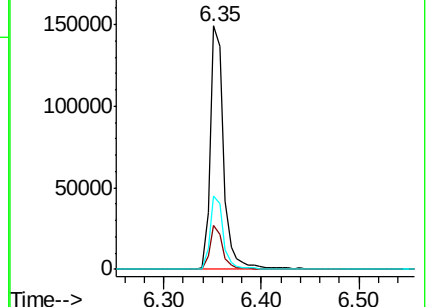
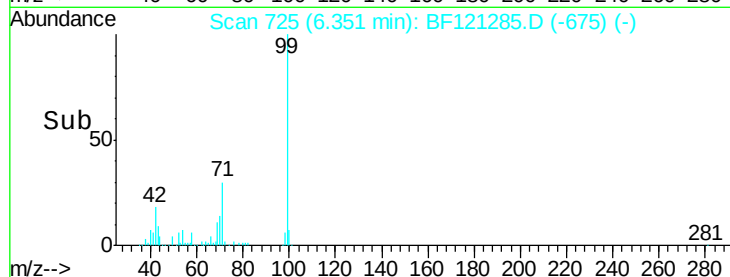
71 30.4 23.7 35.5



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



#21

Naphthalene-d8

Concen: 40.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

Tgt Ion: 136 Resp: 403136

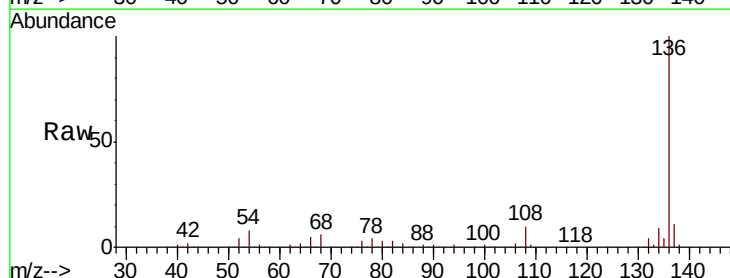
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 7.6 5.3 7.9

68 6.1 4.2 6.2

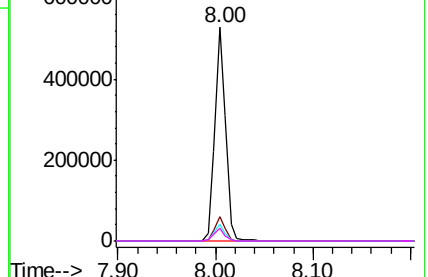
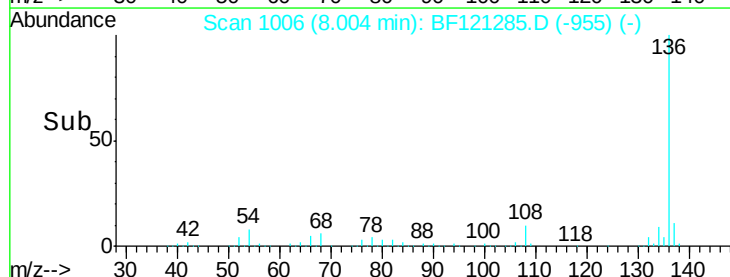


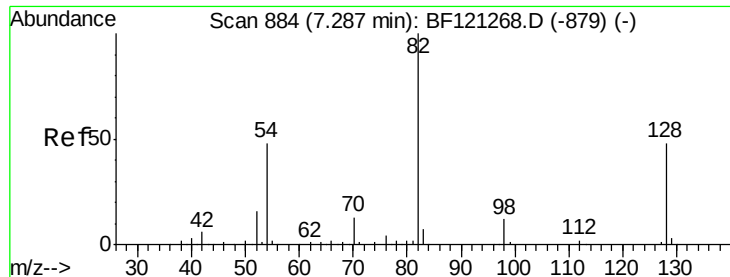
Abundance Ion 136.00 (135.70 to 136.70): E

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

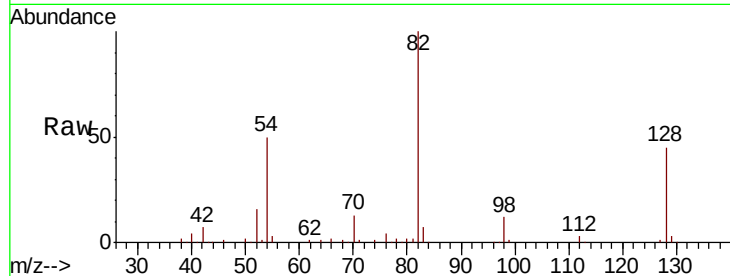




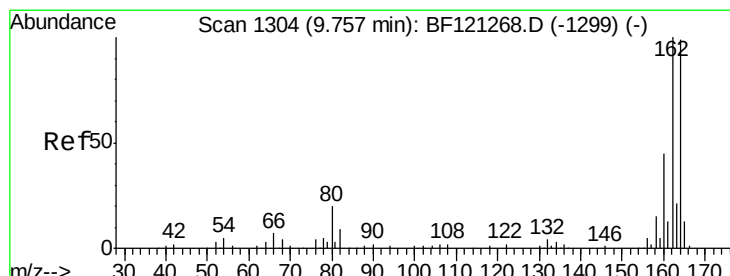
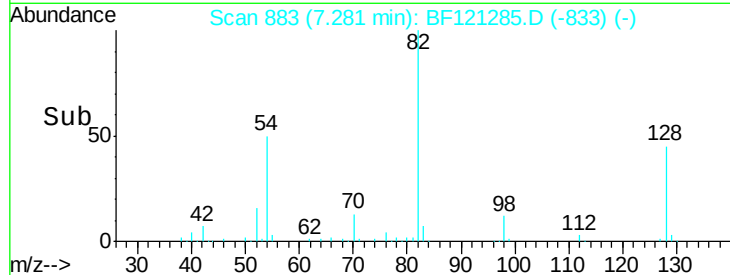
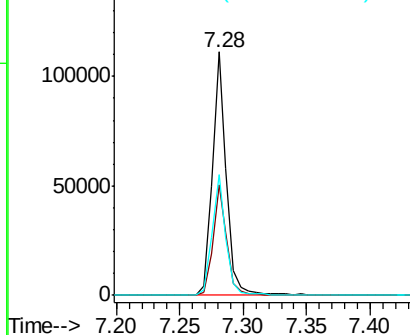
#23
 Nitrobenzene-d5
 Concen: 23.666 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081220

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

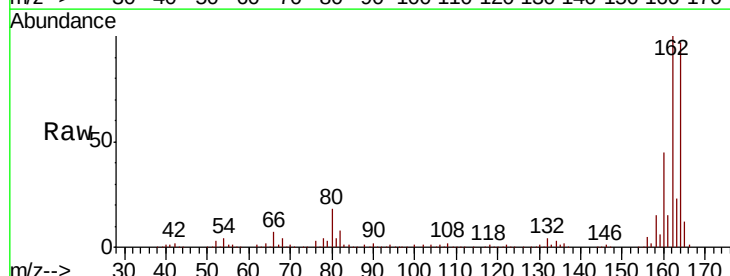


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

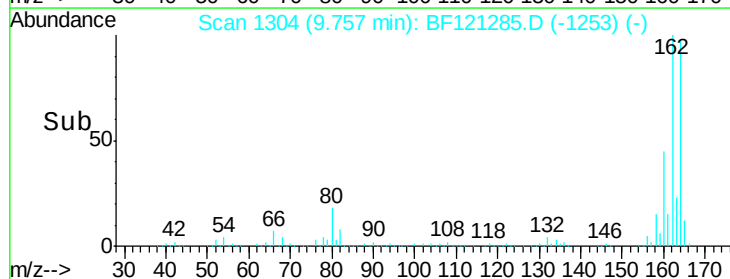
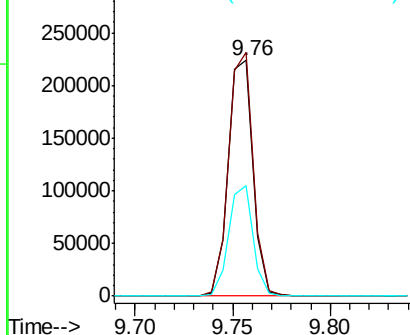


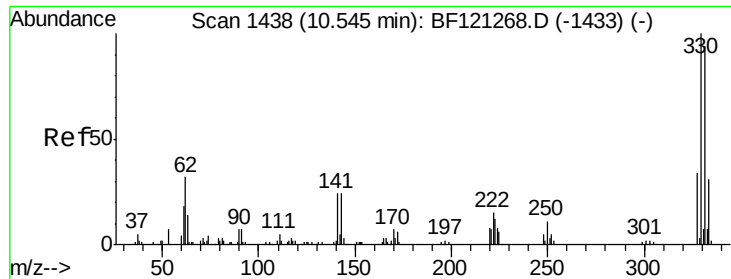
#39
 Acenaphthene-d10
 Concen: 40.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

Tgt Ion	164	Resp	197820
Ion Ratio	100	Lower	Upper
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

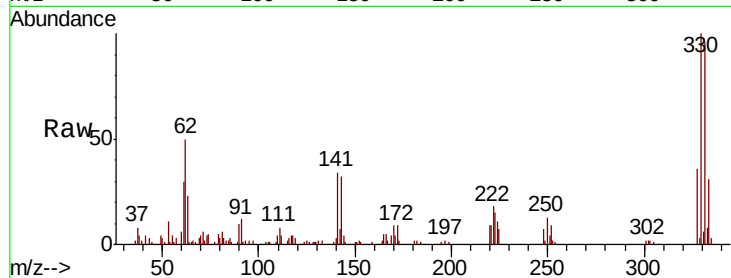




#42
 2,4,6-Tribromophenol
 Concen: 26.743 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-081220

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.4	113.0
141	33.9	23.4	35.2

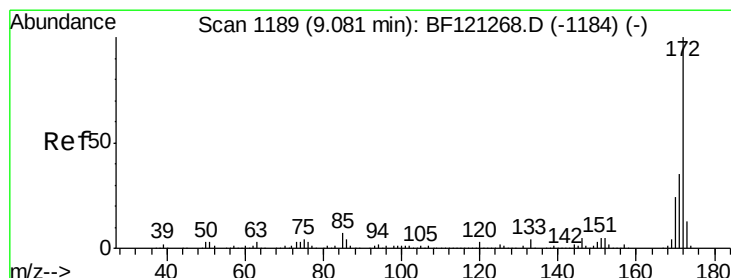
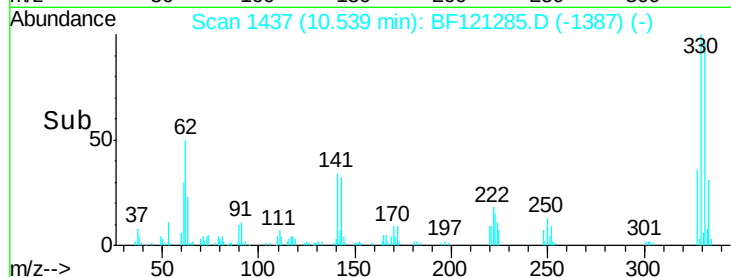
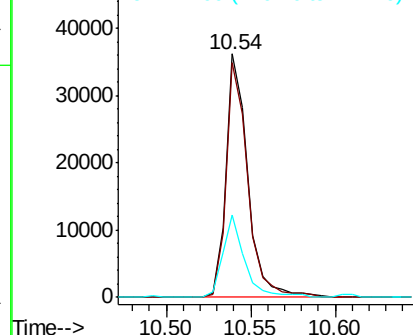


Abundance

Ion 329.80 (329.50 to 330.50): E

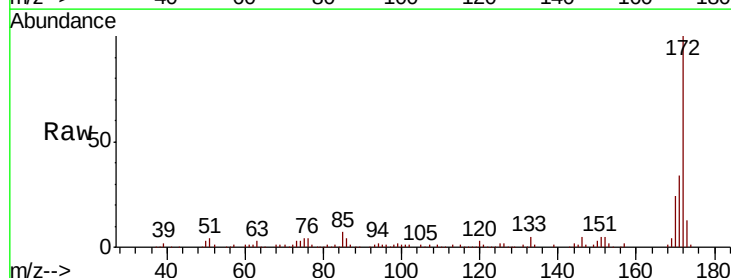
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 25.129 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	Ratio	Lower	Upper
172	100		
171	34.3	28.3	42.5
170	24.2	19.3	28.9

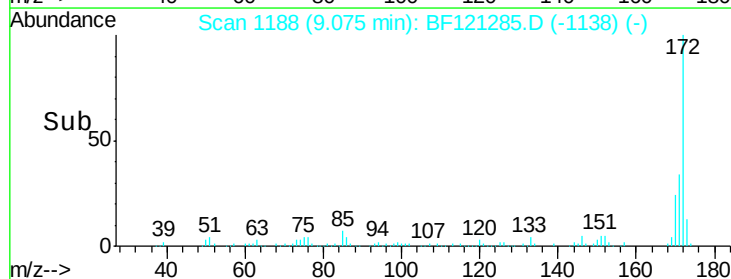
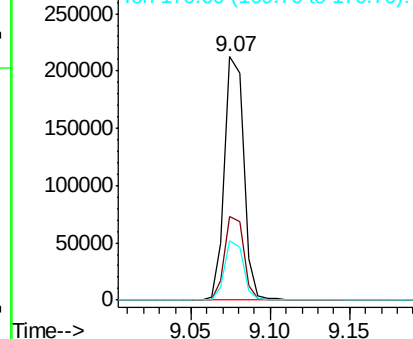


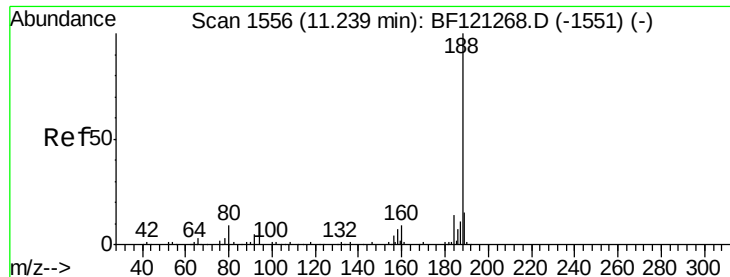
Abundance

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

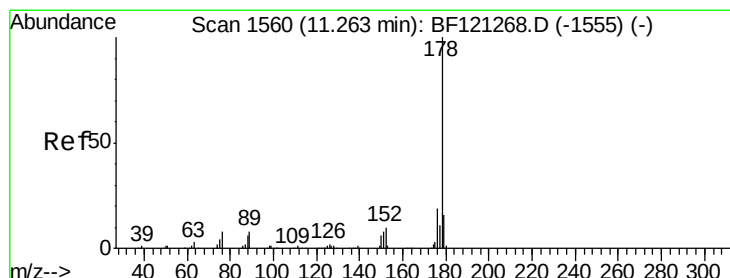
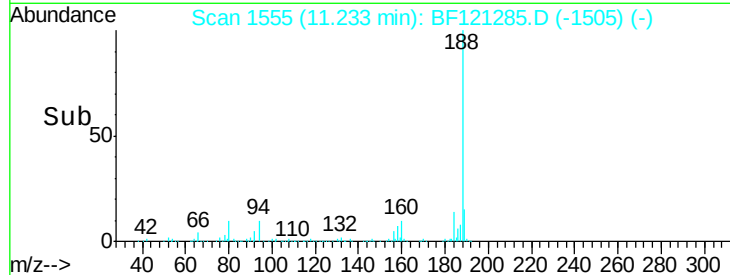
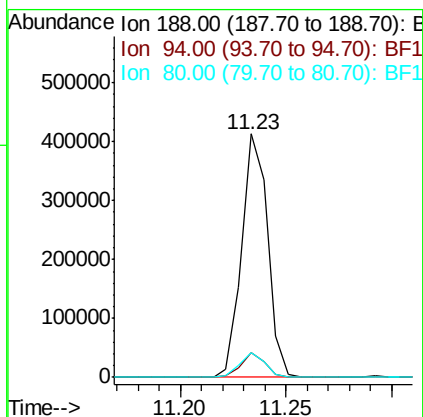
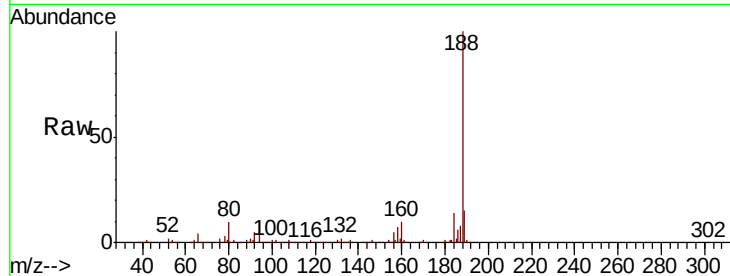




#64
 Phenanthrene-d10
 Concen: 40.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

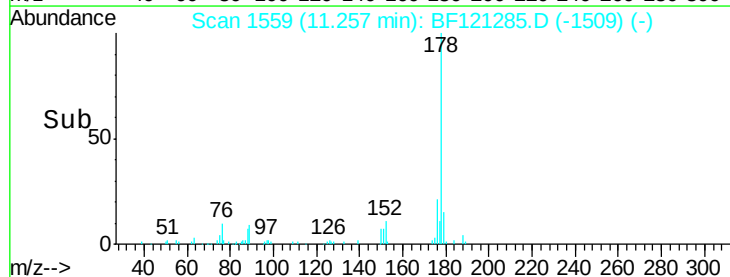
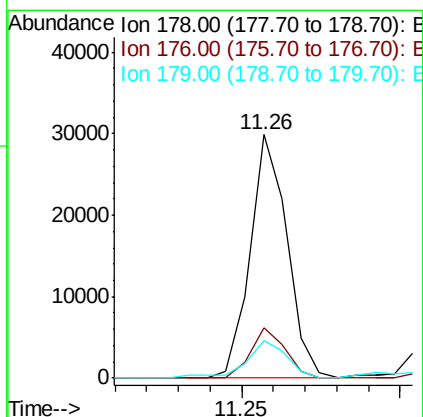
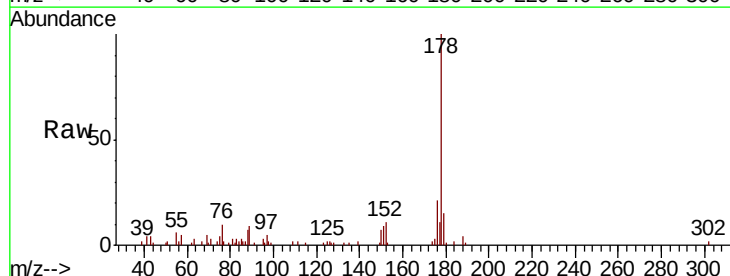
Instrument :
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 NB-08-081220

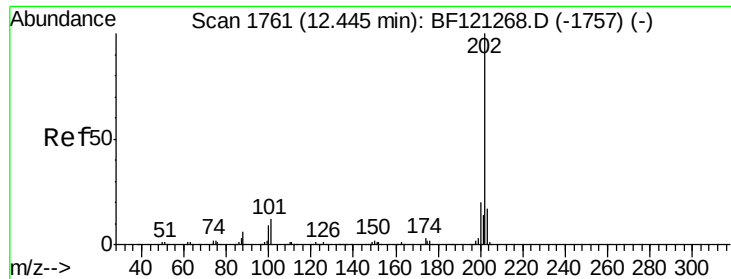
Tot Ion:188 Resp: 350524
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.0 10.6
 80 10.1 7.4 11.0



#71
 Phenanthrene
 Concen: 2.400 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF121285.D
 Acq: 13 Aug 2020 22:43

Tgt Ion:178 Resp: 24062
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.8 23.8
 179 15.3 12.6 19.0





#75

Fluoranthene

Concen: 5.017 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

Instrument :

BNA_F

ClientSampleId :

NB-08-081220

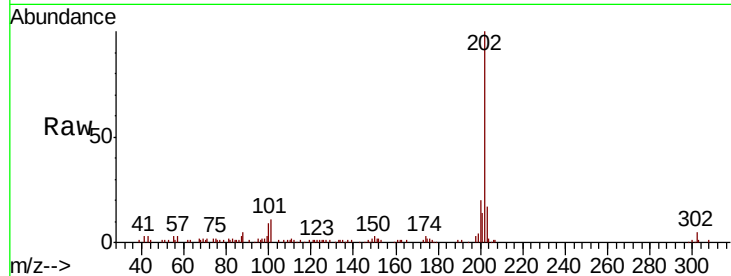
Tot Ion:202 Resp: 56013

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.6

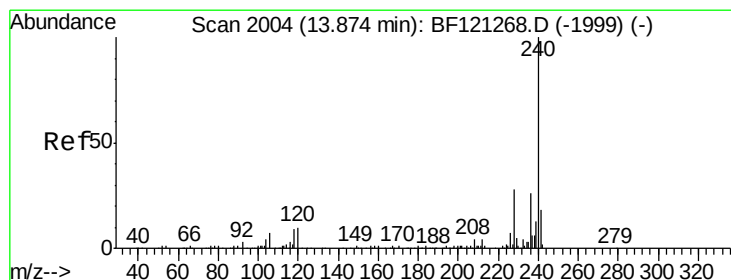
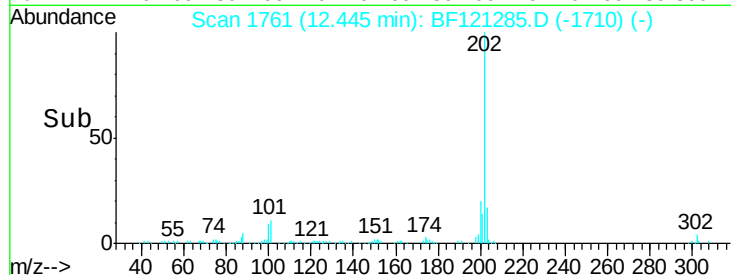
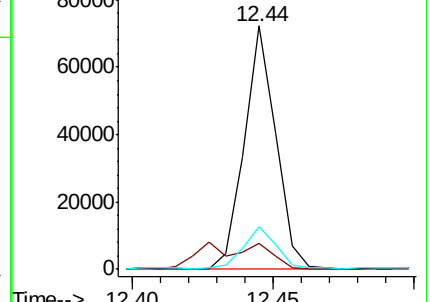
203 17.4 0.0 38.0



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: 40.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

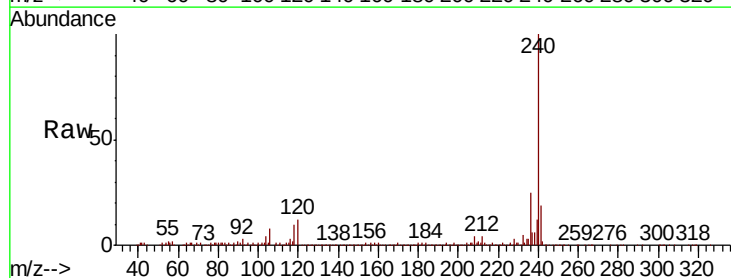
Tgt Ion:240 Resp: 239616

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

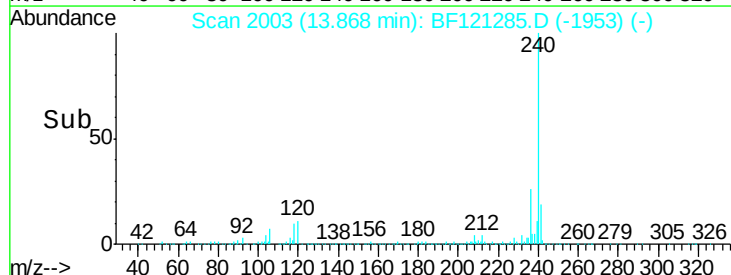
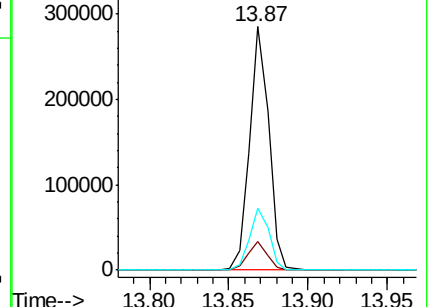
236 25.5 21.0 31.4

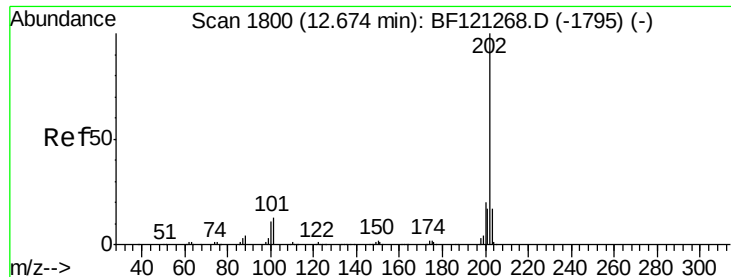


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

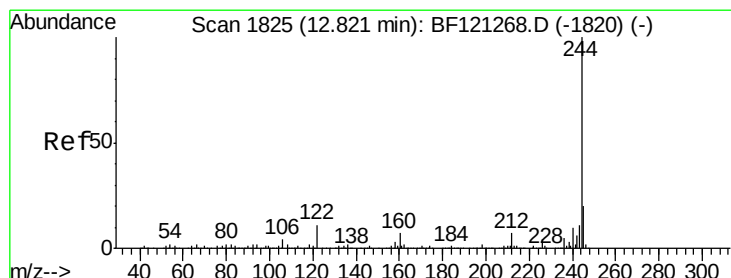
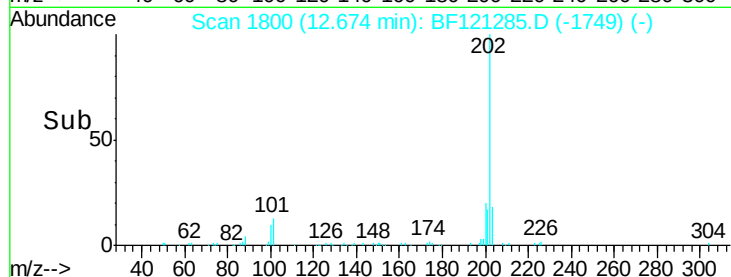
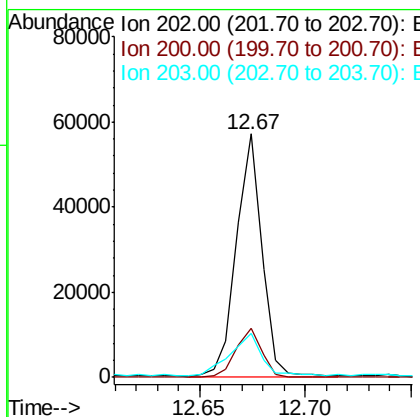
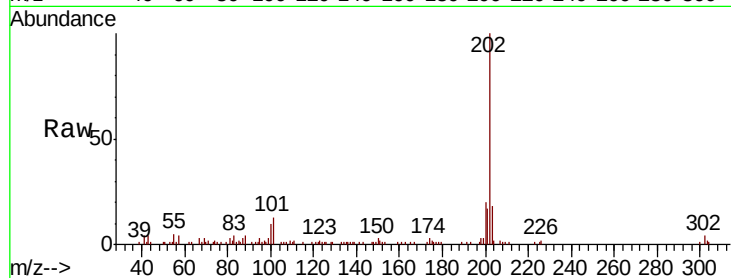




#78
Pvrene
Concen: 5.411 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

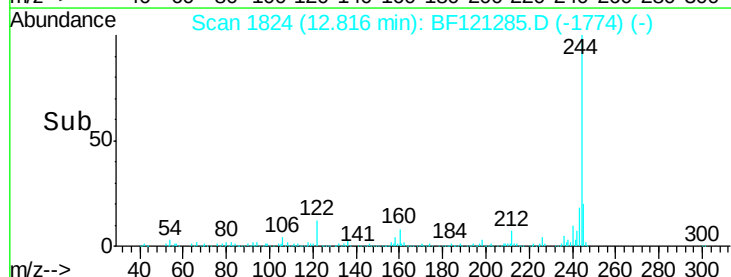
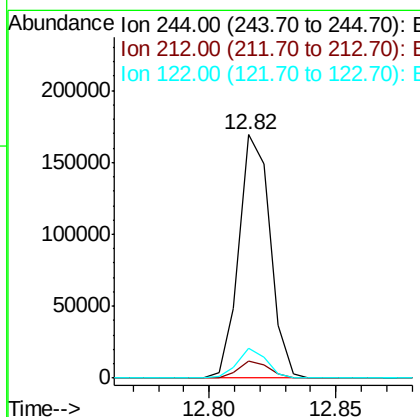
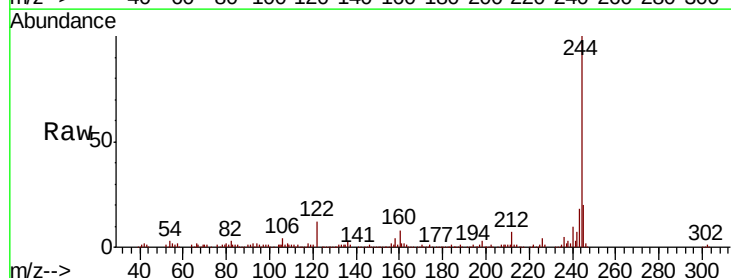
Instrument :
BNA_F
ClientSampleId :
NB-08-081220

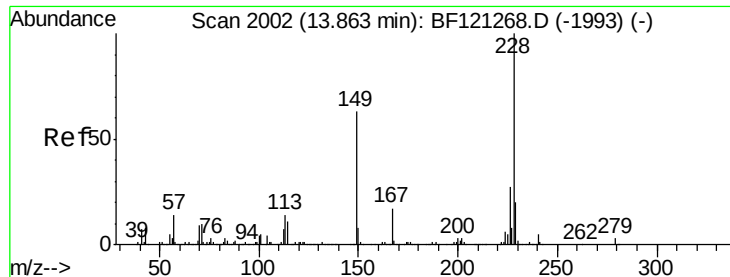
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.3	24.5
203	18.1	13.8	20.8



#79
Terphenyl-d14
Concen: 23.627 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	12.3	9.1	13.7





#81

Benzo(a)anthracene

Concen: 2.777 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

Instrument :

BNA_F

ClientSampleId :

NB-08-081220

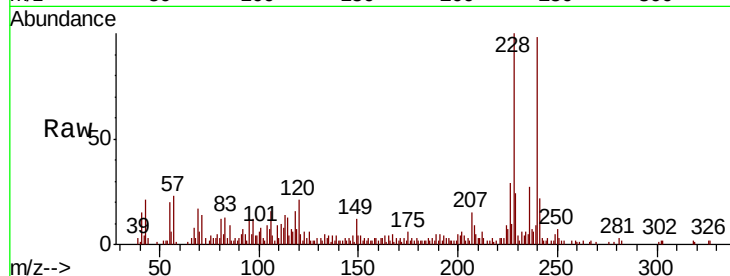
Tot Ion:228 Resp: 22563

Ion Ratio Lower Upper

228 100

226 28.6 22.0 33.0

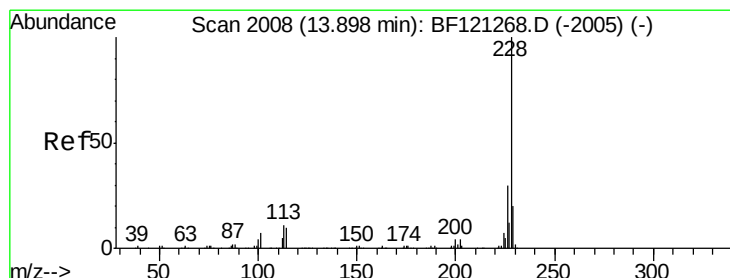
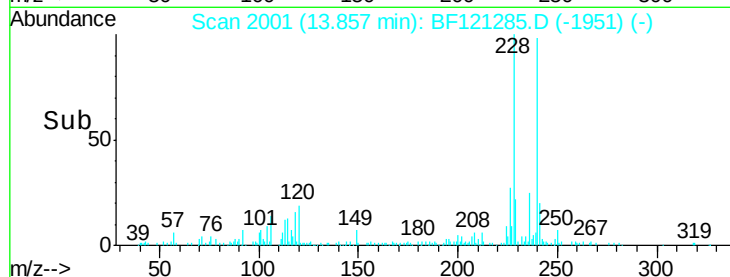
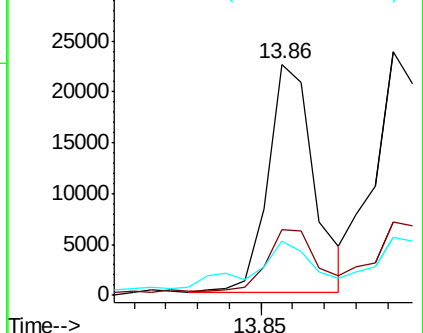
229 23.6 16.0 24.0



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: 2.952 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF121285.D

Acq: 13 Aug 2020 22:43

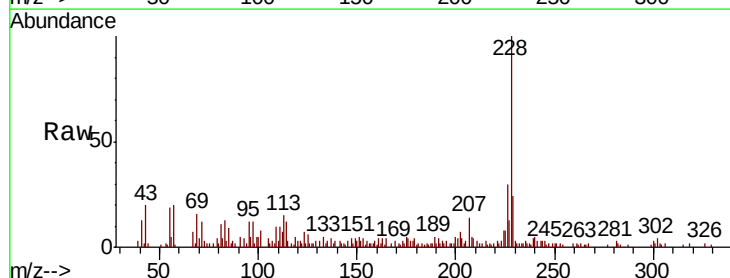
Tgt Ion:228 Resp: 24488

Ion Ratio Lower Upper

228 100

226 30.4 24.8 37.2

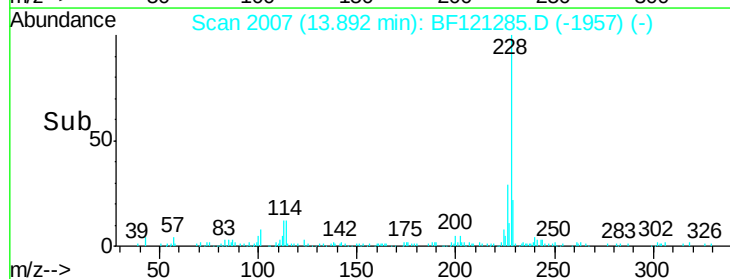
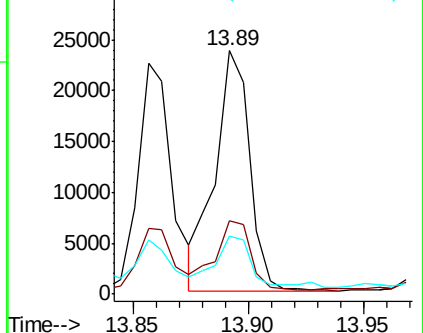
229 23.6 16.2 24.2

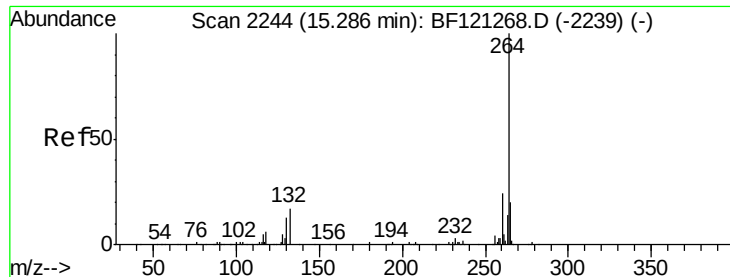


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

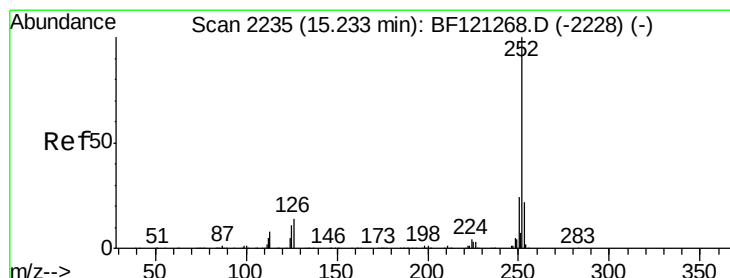
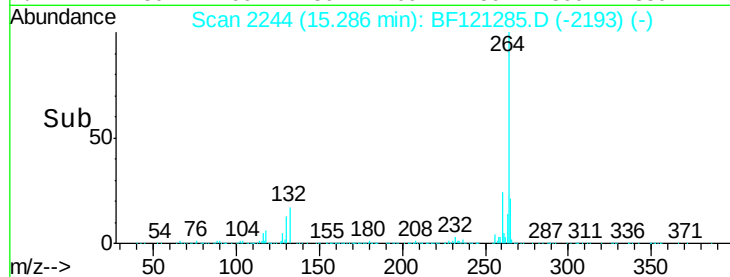
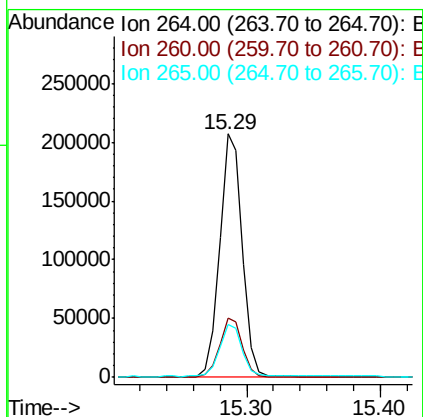
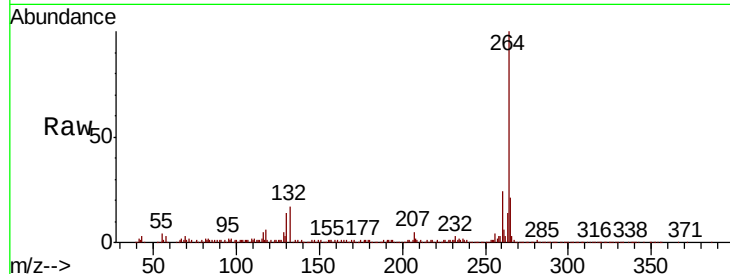




#86
Pervlene-d12
Concen: 40.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Instrument :
BNA_F
ClientSampled :
NB-08-081220

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.5	17.1	25.7



#90
Benzo(a)pyrene
Concen: 2.579 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF121285.D
Acq: 13 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	18.0	27.0#
125	20.9	9.3	13.9#

