

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121799.D
 Acq On : 2 Oct 2020 17:43
 Operator : JU/CG
 Sample : L3865-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-093020

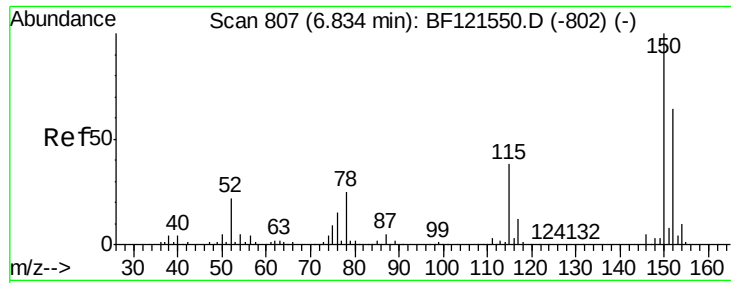
Quant Time: Oct 02 18:34:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	147485	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	555417	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	261156	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	398384	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	288123	20.00	ng	-0.01
86) Perylene-d12	15.36	264	286782	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	733333	73.89	ng	0.00
7) Phenol-d6	6.40	99	929718	71.41	ng	-0.01
23) Nitrobenzene-d5	7.33	82	629297	60.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	205576	63.34	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	943951	54.74	ng	-0.01
79) Terphenyl-d14	12.87	244	653571	45.96	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	83500	11.128	ng	# 79
25) Isophorone	7.33	82	629289	30.220	ng	# 67
50) Dimethylphthalate	9.52	163	162810	8.601	ng	100
57) 2,4-Dinitrotoluene	9.80	165	33046	6.516	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	384	6.987	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	11941	2.633	ng	# 1
71) Phenanthrene	11.30	178	99449	4.582	ng	99
75) Fluoranthene	12.49	202	165851	7.158	ng	99
78) Pyrene	12.72	202	138150	6.563	ng	98
81) Benzo(a)anthracene	13.91	228	71437	3.919	ng	94
83) Chrysene	13.94	228	71268	3.861	ng	98
87) Indeno(1,2,3-cd)pyrene	16.76	276	55438	2.968	ng	96
88) Benzo(b)fluoranthene	14.94	252	137523	7.173	ng	# 97
89) Benzo(k)fluoranthene	14.94	252	137523	7.833	ng	# 96
90) Benzo(a)pyrene	15.29	252	70464	4.324	ng	# 94
92) Benzo(g,h,i)perylene	17.19	276	56975	3.728	ng	98

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

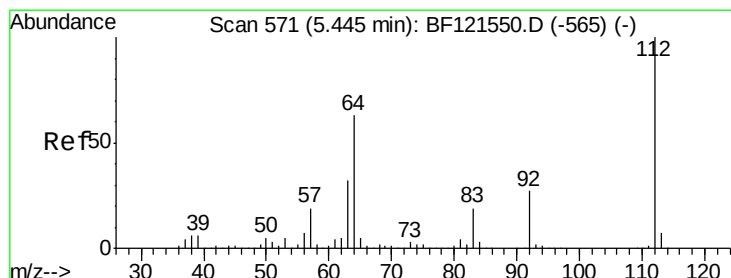
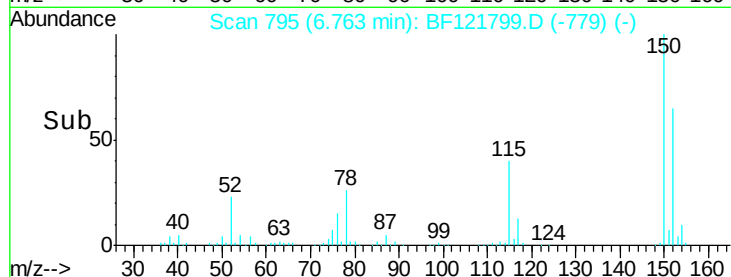
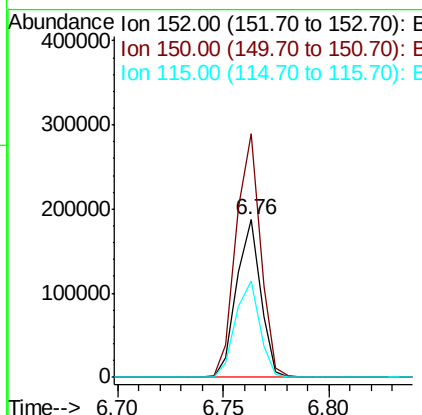
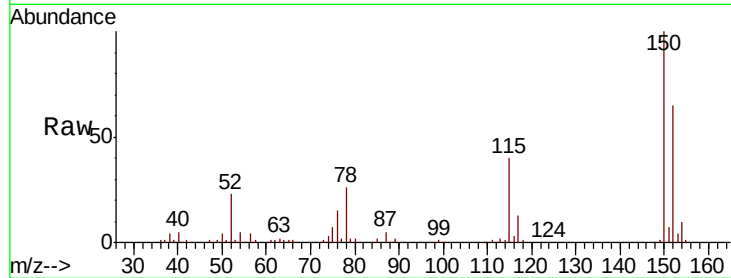


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

Instrument :
BNA_F
ClientSampleId :
NB-08-093020

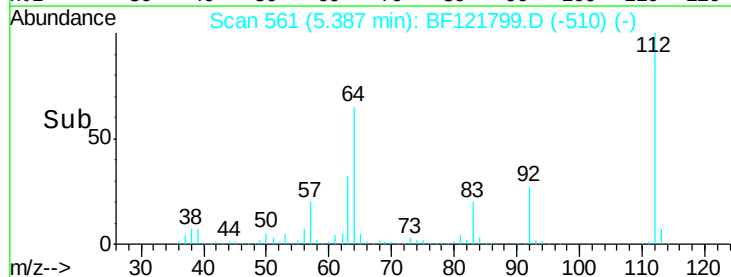
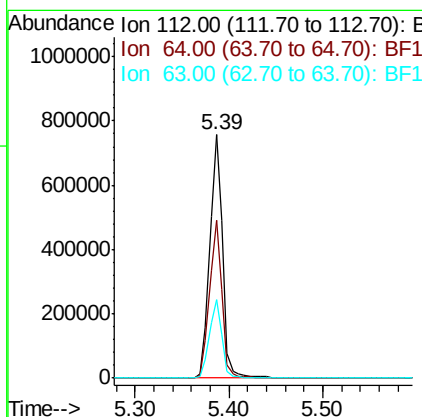
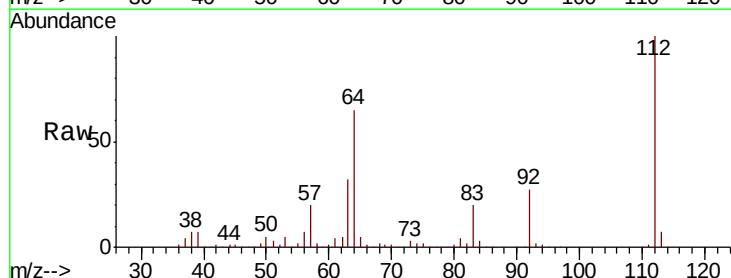
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	125.3	187.9
115	61.3	51.9	77.9

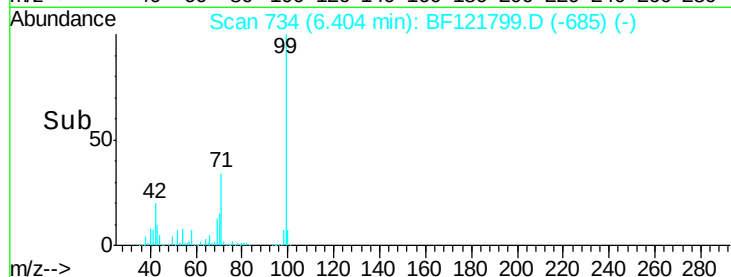
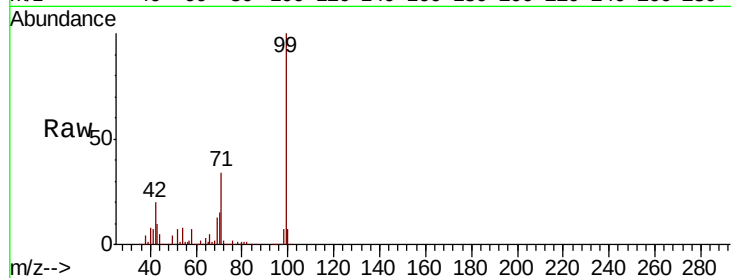
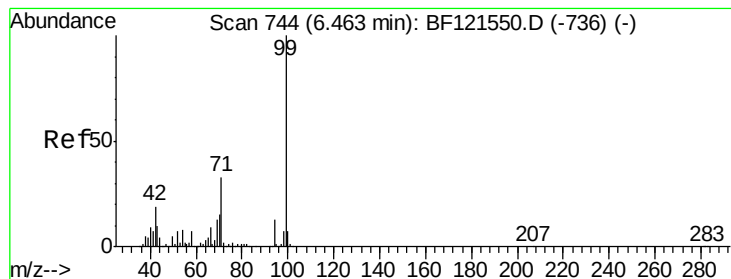


#5

2-Fluorophenol
Concen: 73.894 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	50.4	75.6
63	32.3	25.8	38.6





#7

Phenol-d6

Concen: 71.408 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

Instrument :

BNA_F

ClientSampleId :

NB-08-093020

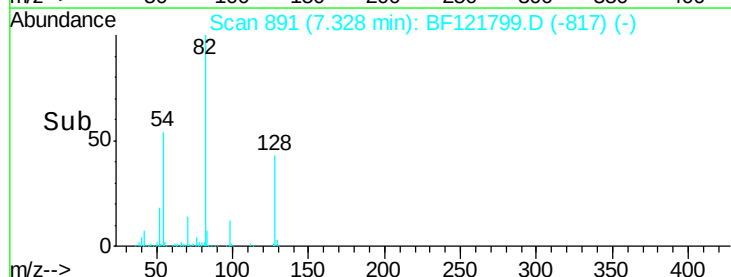
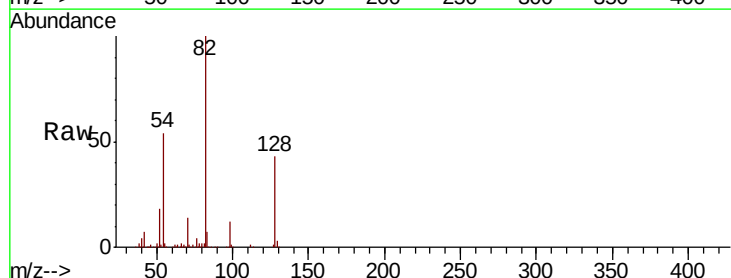
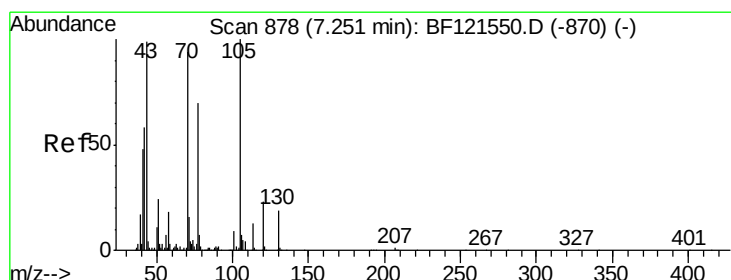
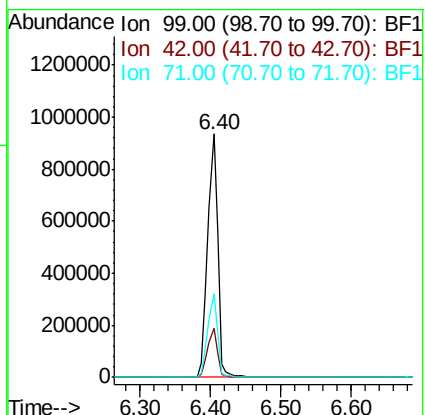
Tot Ion: 99 Resp: 929718

Ion Ratio Lower Upper

99 100

42 20.4 15.9 23.9

71 34.4 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.128 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

Tgt Ion: 70 Resp: 83500

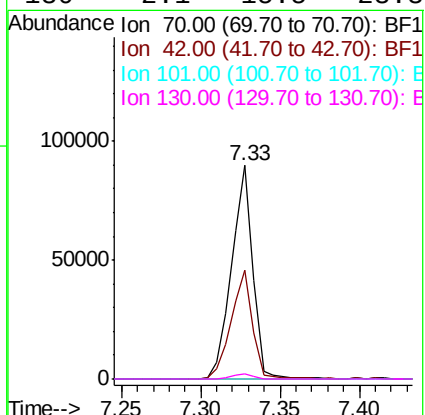
Ion Ratio Lower Upper

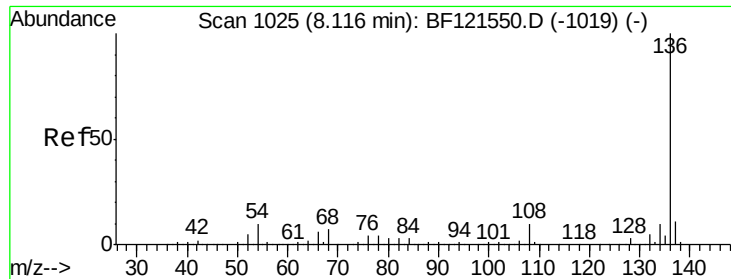
70 100

42 50.8 50.2 75.4

101 0.0 7.5 11.3#

130 2.1 15.5 23.3#

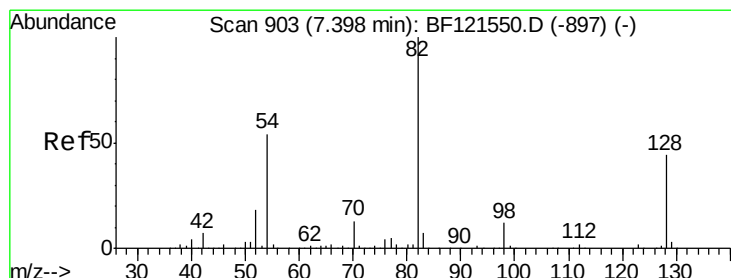
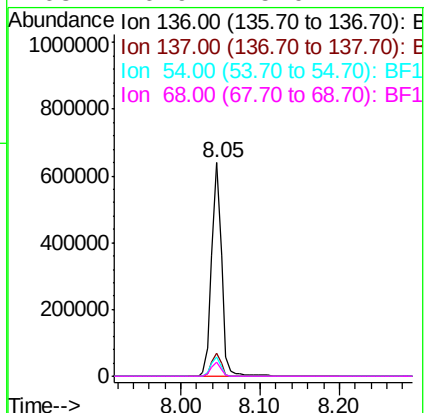
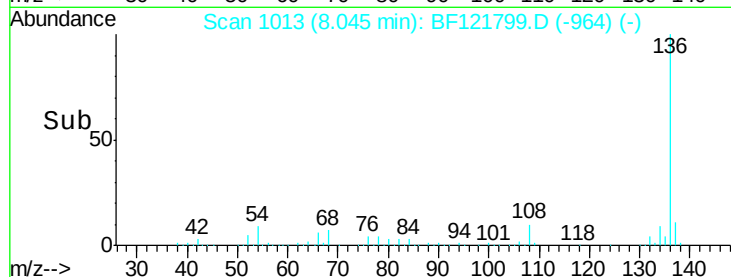
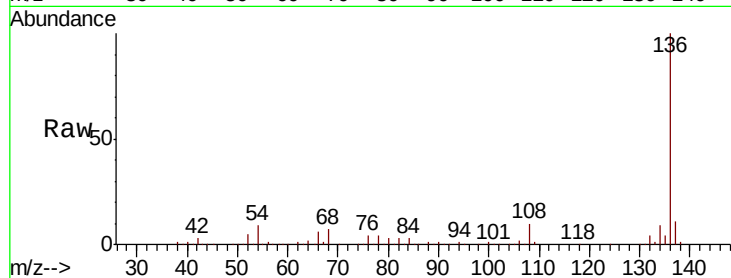




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

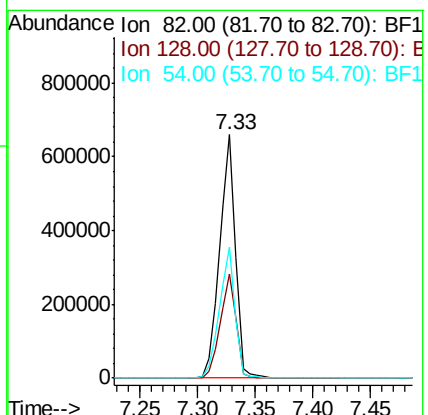
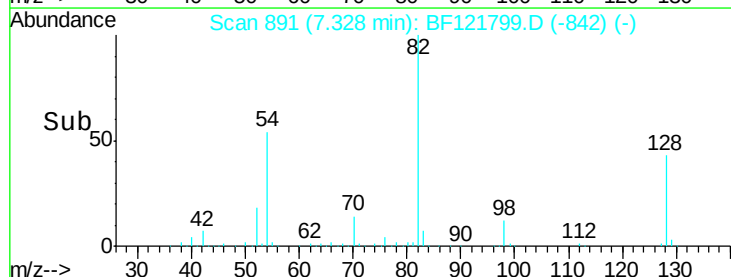
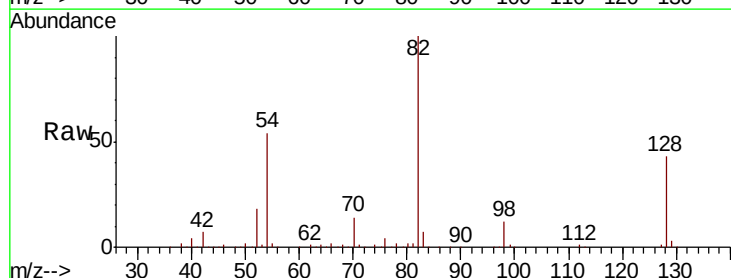
Instrument :
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ClientSampleId :
NB-08-093020

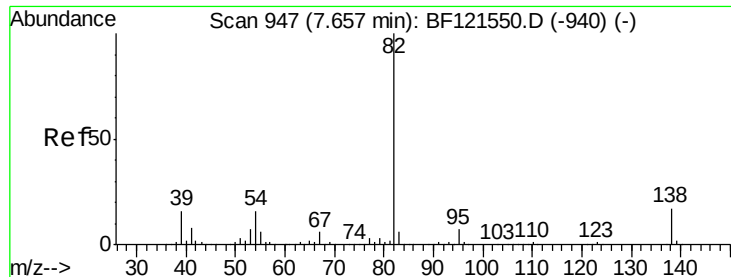
Tot Ion:136	Resp:	555417
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.6 13.0
54	9.3	7.1 10.7
68	6.9	5.0 7.4



#23
Nitrobenzene-d5
Concen: 60.834 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

Tgt Ion: 82	Resp:	629297
Ion	Ratio	Lower Upper
82	100	
128	42.9	35.0 52.4
54	53.9	43.9 65.9





#25

Isophorone

Concen: 30.220 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

Instrument :

BNA_F

ClientSampleId :

NB-08-093020

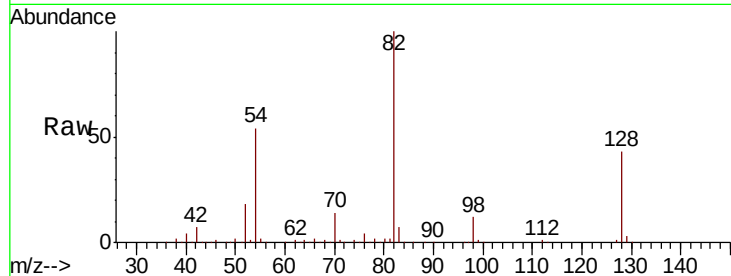
Tot Ion: 82 Resp: 629289

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

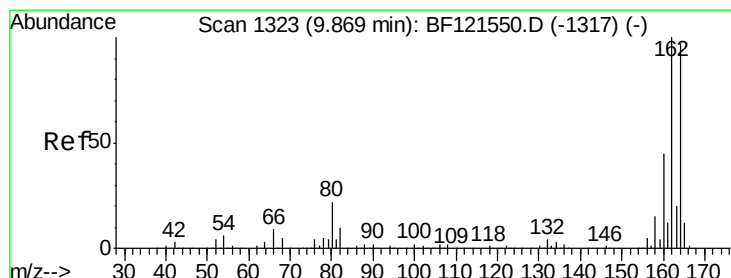
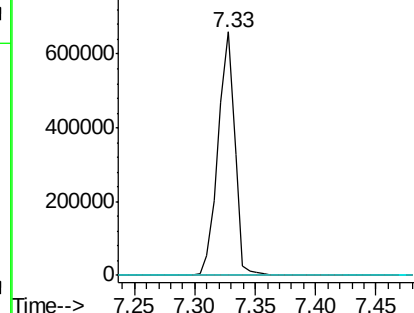
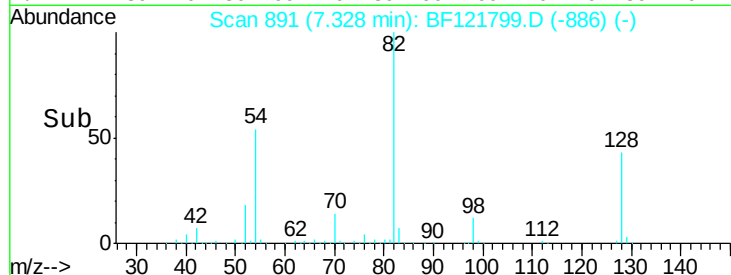
138 0.0 13.4 20.0#



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: BF121799.D

Acq: 2 Oct 2020 17:43

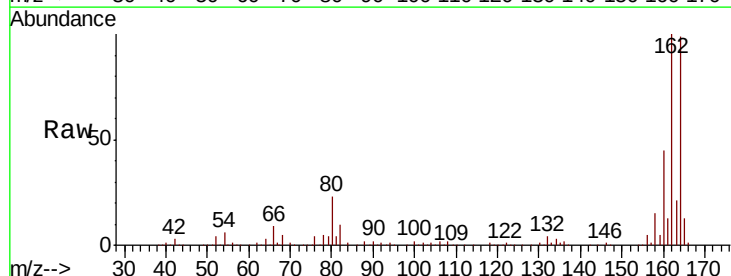
Tgt Ion: 164 Resp: 261156

Ion Ratio Lower Upper

164 100

162 100.9 83.2 124.8

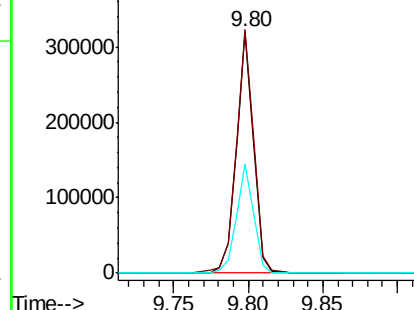
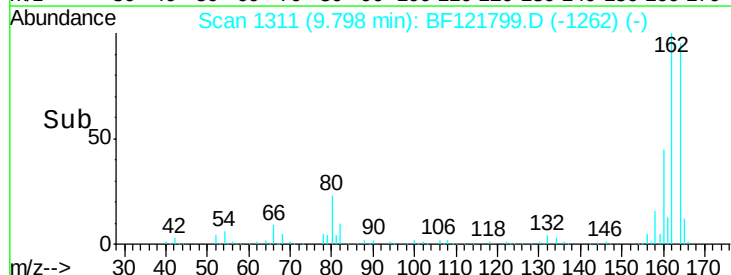
160 45.5 37.5 56.3

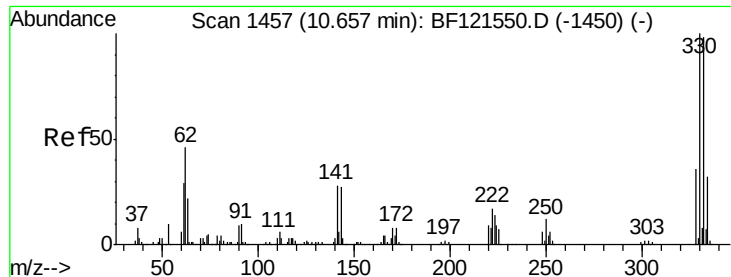


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

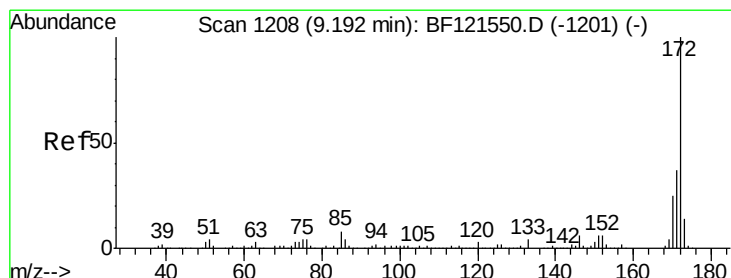
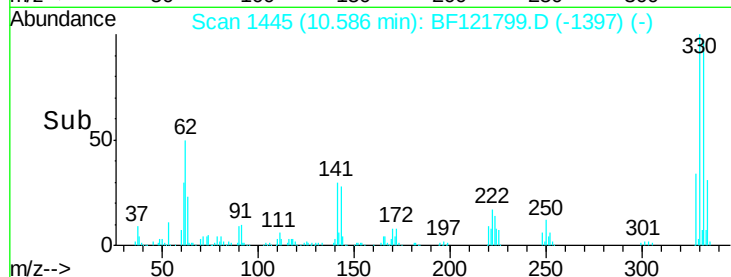
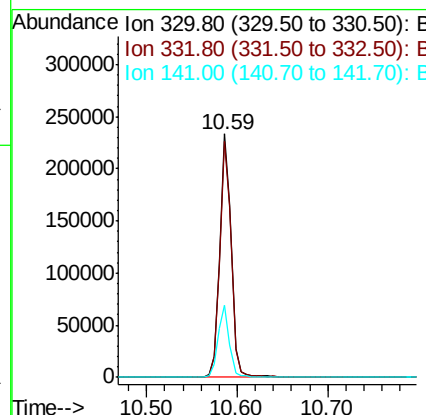
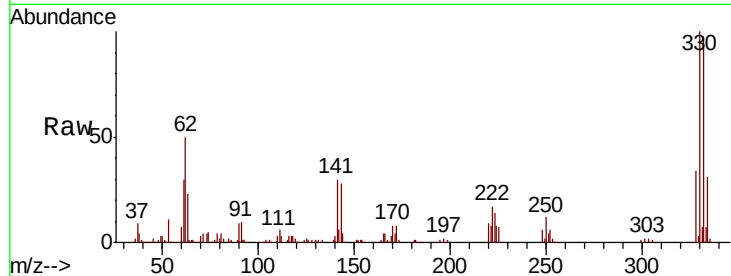




#42
 2,4,6-Tribromophenol
 Concen: 63.336 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121799.D
 Acq: 2 Oct 2020 17:43

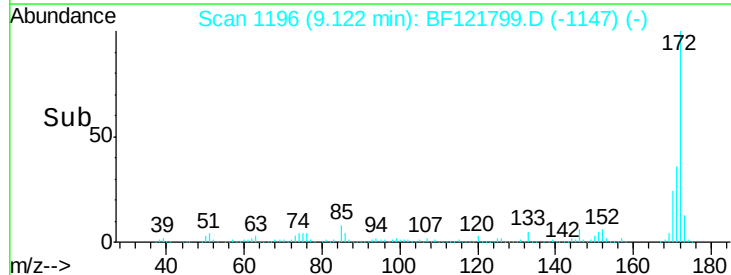
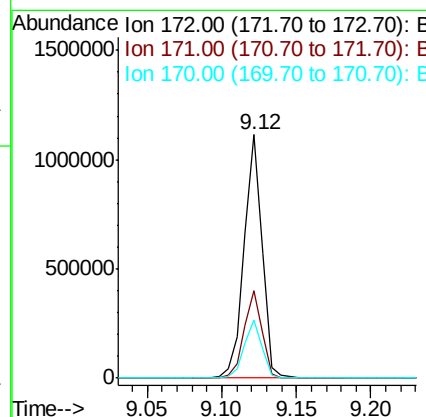
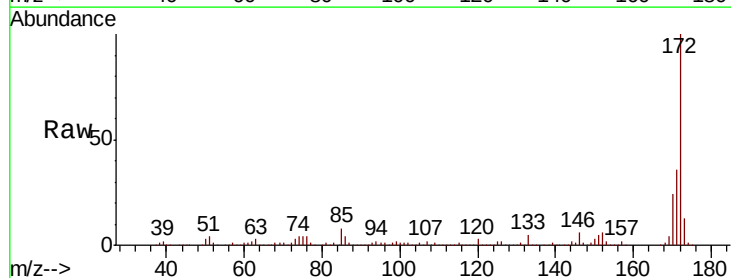
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-093020

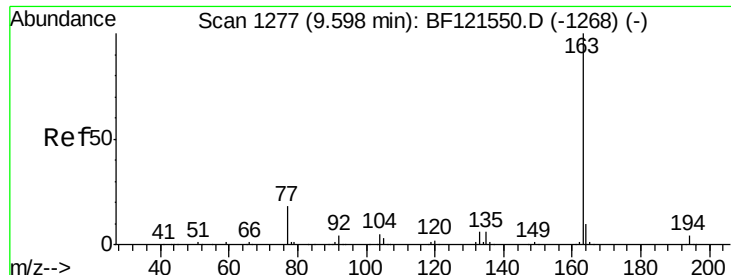
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	29.7	22.3	33.5



#45
 2-Fluorobiphenyl
 Concen: 54.743 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121799.D
 Acq: 2 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.1	43.7
170	24.1	19.8	29.6

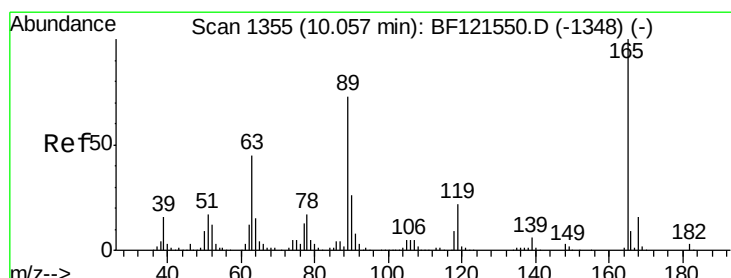
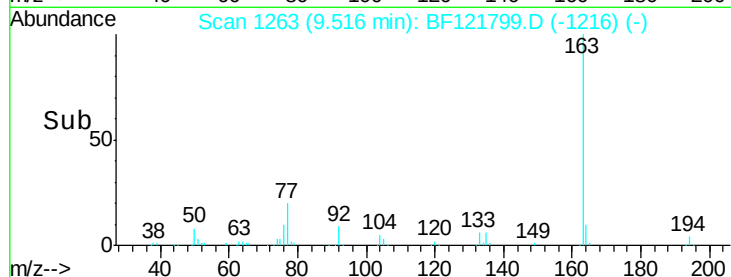
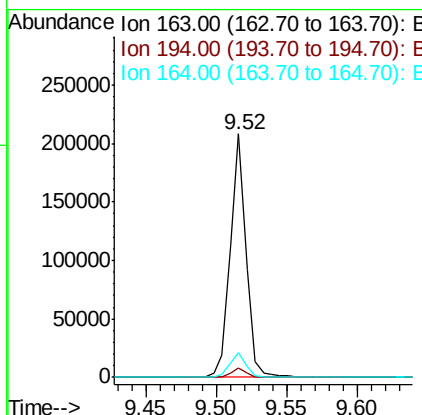
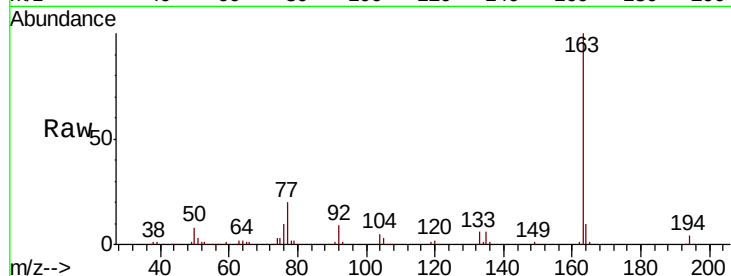




#50
Dimethylphthalate
Concen: 8.601 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

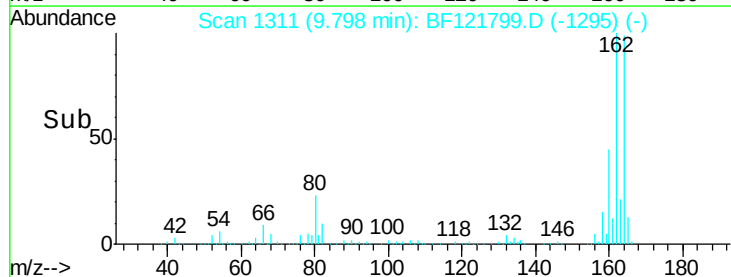
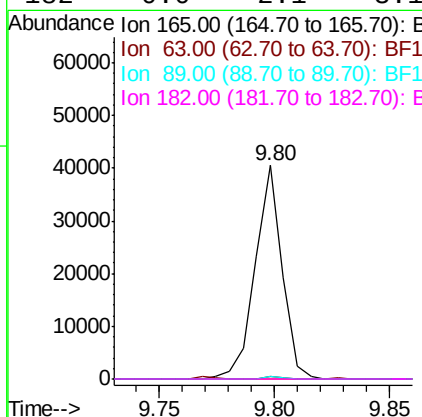
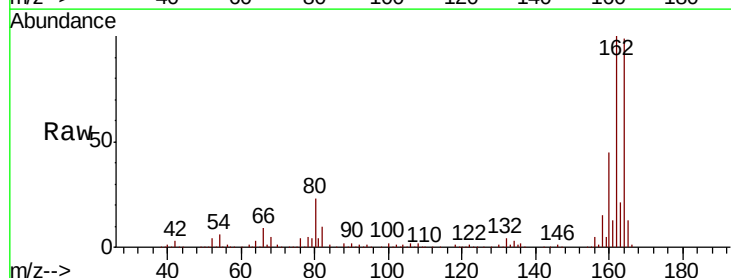
Instrument :
BNA_F
ClientSampleId :
NB-08-093020

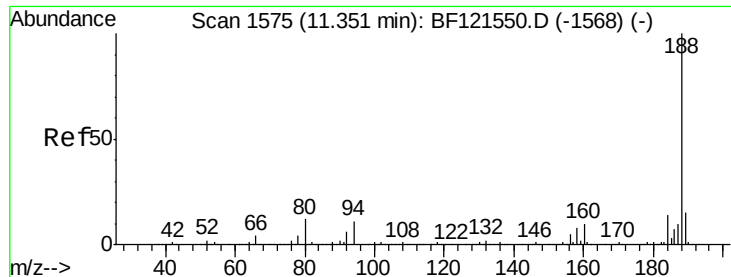
Tot Ion:163 Resp: 162810
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.516 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

Tgt Ion:165 Resp: 33046
Ion Ratio Lower Upper
165 100
63 1.3 41.3 61.9#
89 1.3 61.8 92.8#
182 0.0 2.1 3.1#

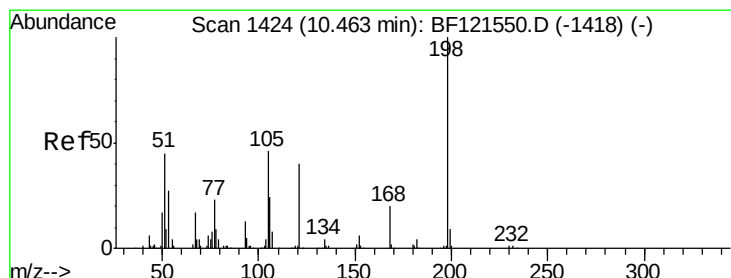
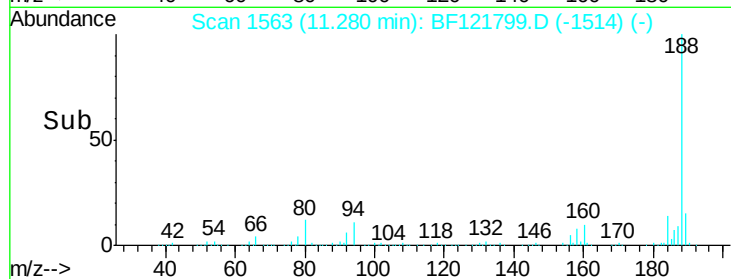
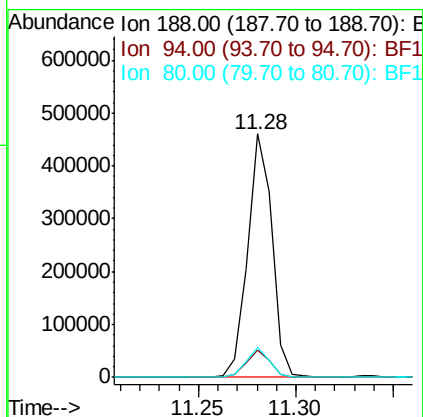
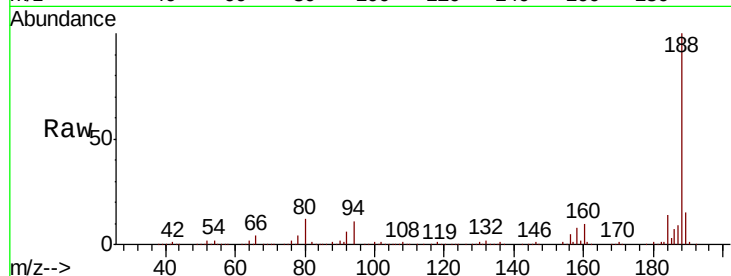




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121799.D
 Acq: 2 Oct 2020 17:43

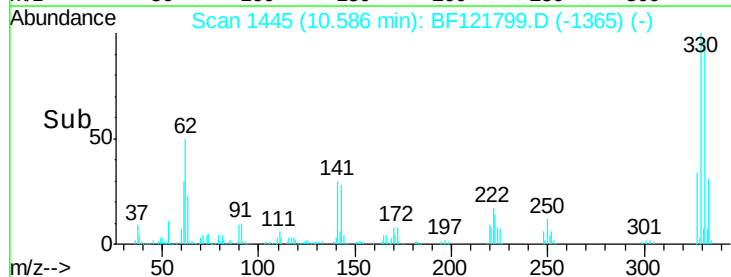
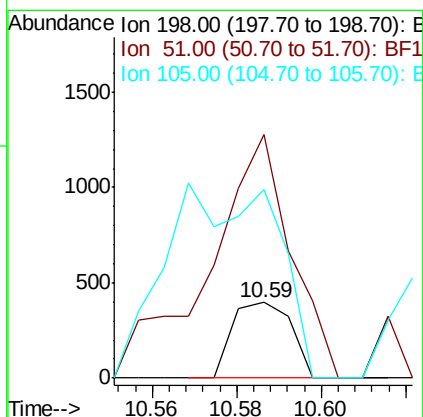
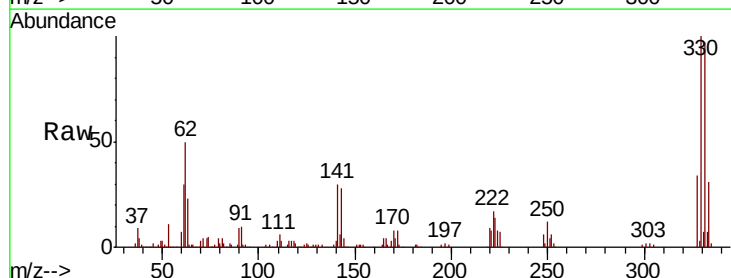
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 NB-08-093020

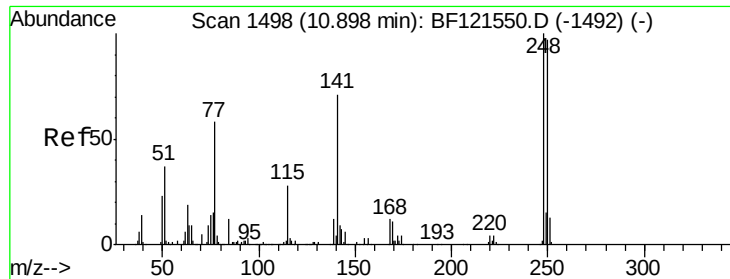
Tot Ion:188 Resp: 398384
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.3 12.5
 80 12.1 9.1 13.7



#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.987 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.17 min
 Lab File: BF121799.D
 Acq: 2 Oct 2020 17:43

Tgt Ion:198 Resp: 384
 Ion Ratio Lower Upper
 198 100
 51 321.9 29.6 69.6#
 105 248.9 24.4 64.4#

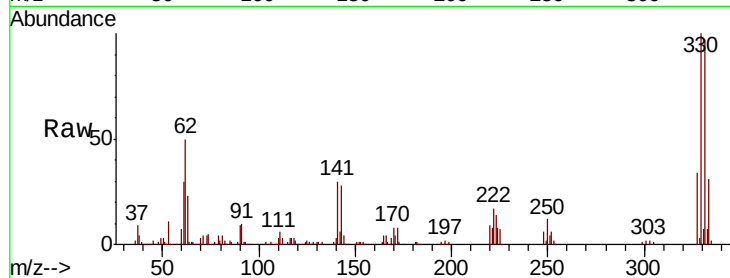




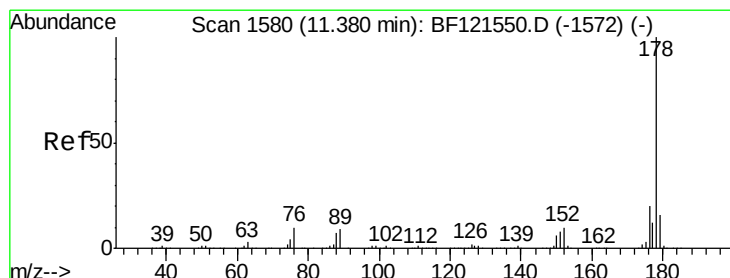
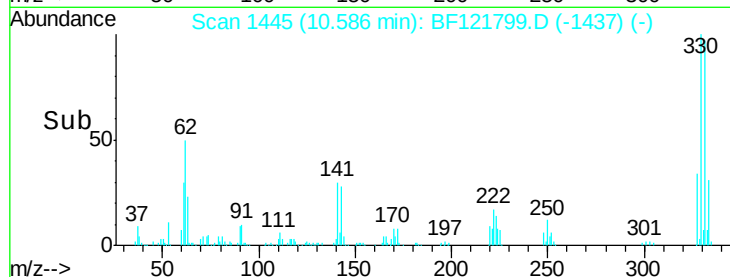
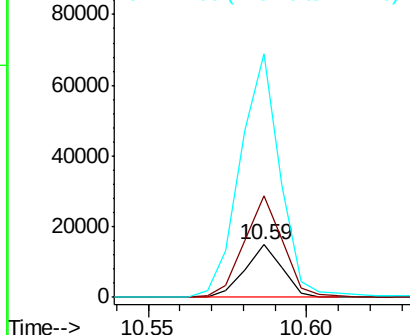
#67
4-Bromophenyl-phenylether
Concen: 2.633 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.25 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

Instrument :
BNA_F
ClientSampleId :
NB-08-093020

Tot Ion:248 Resp: 11941
Ion Ratio Lower Upper
248 100
250 195.0 77.0 115.6#
141 465.6 53.7 80.5#

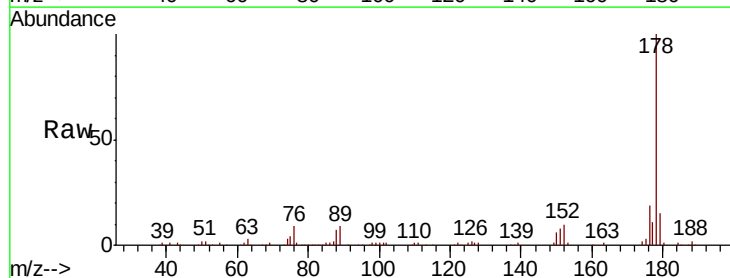


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

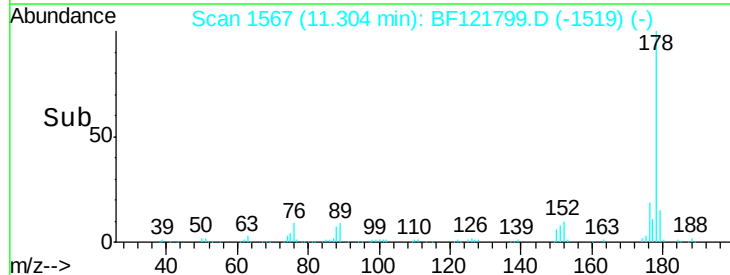
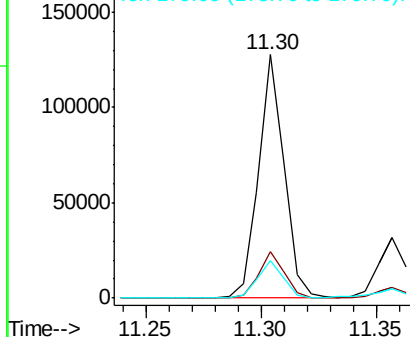


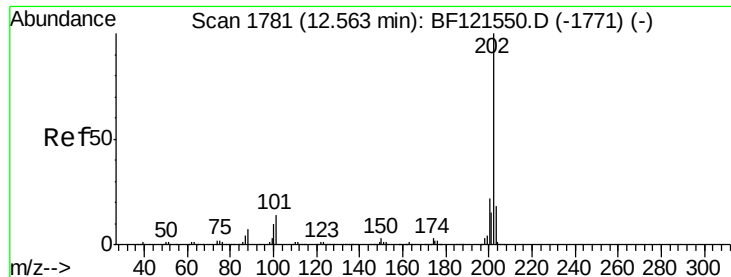
#71
Phenanthrene
Concen: 4.582 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

Tgt Ion:178 Resp: 99449
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.2 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: 7.158 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

Instrument :

BNA_F

ClientSampleId :

NB-08-093020

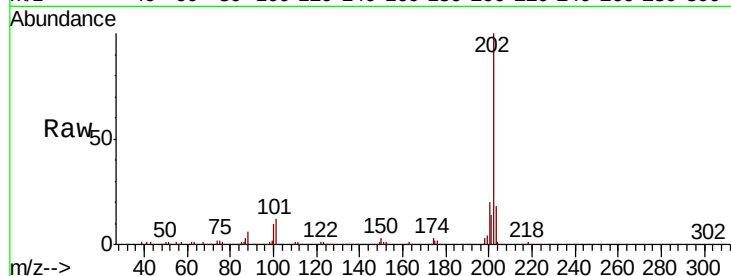
Tot Ion:202 Resp: 165851

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.4

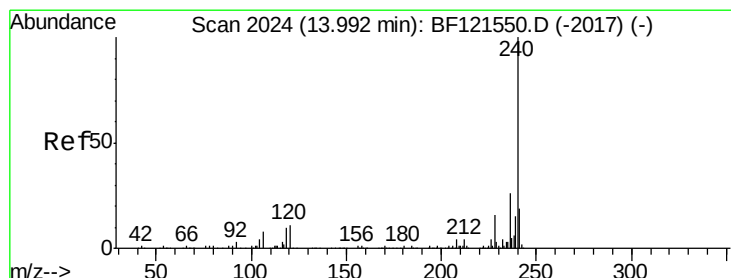
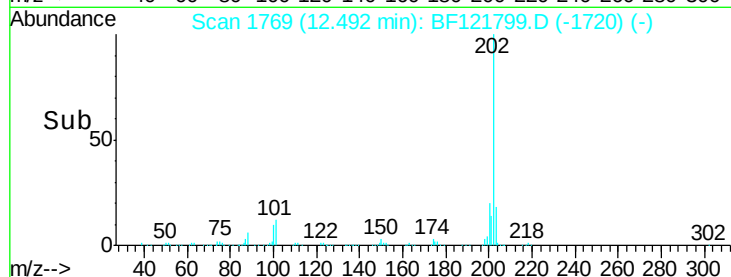
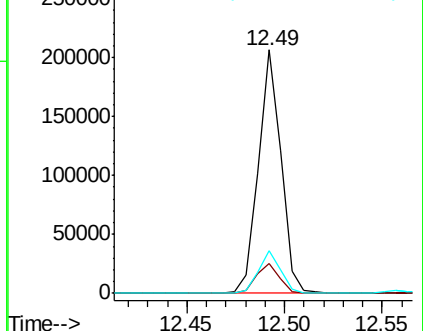
203 17.5 0.0 37.9



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: BF121799.D

Acq: 2 Oct 2020 17:43

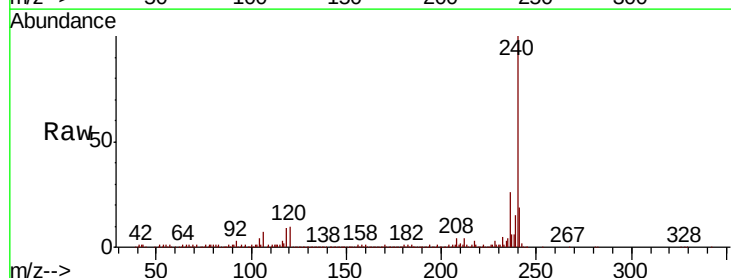
Tgt Ion:240 Resp: 288123

Ion Ratio Lower Upper

240 100

120 10.4 9.2 13.8

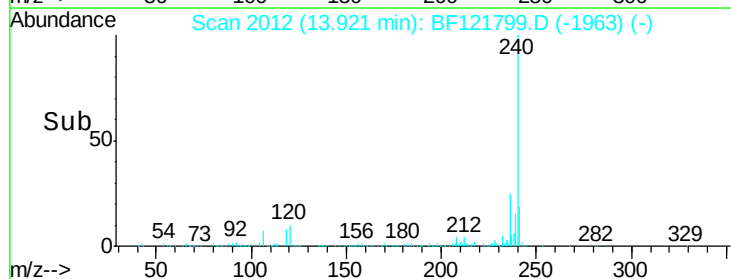
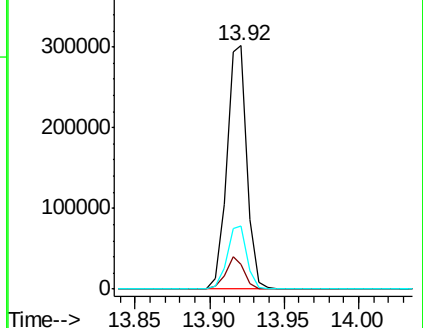
236 25.7 20.9 31.3

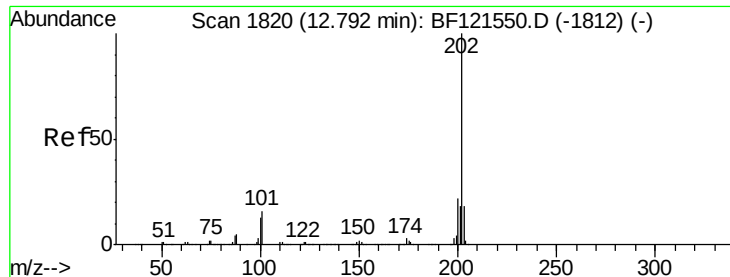


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

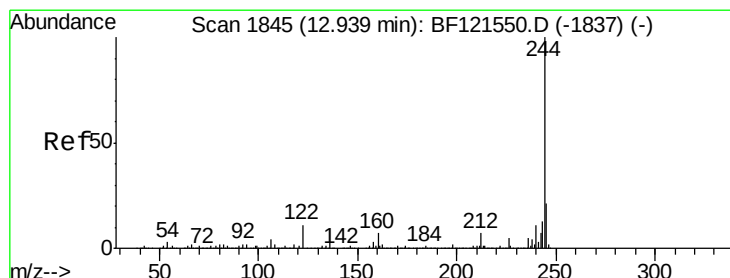
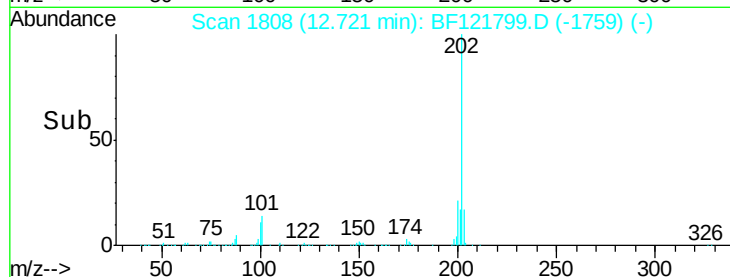
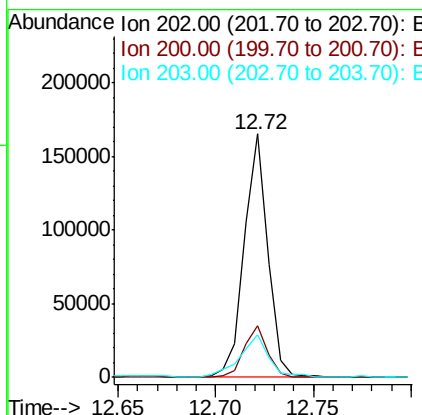
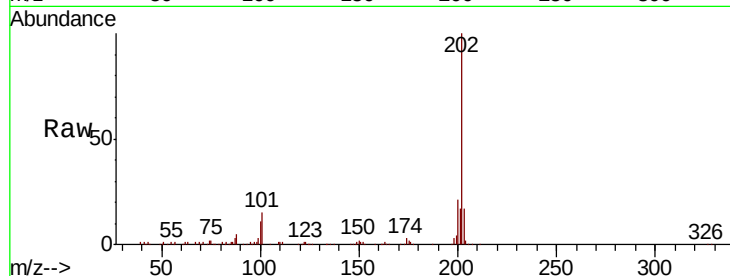




#78
Pvrene
Concen: 6.563 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

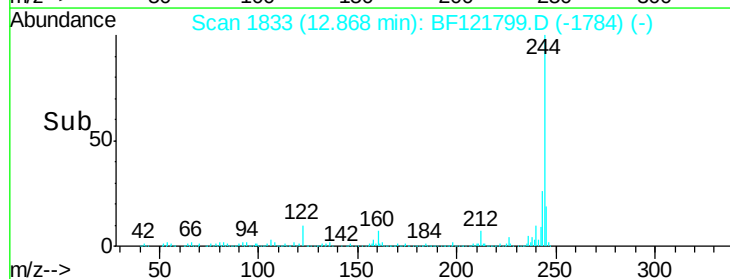
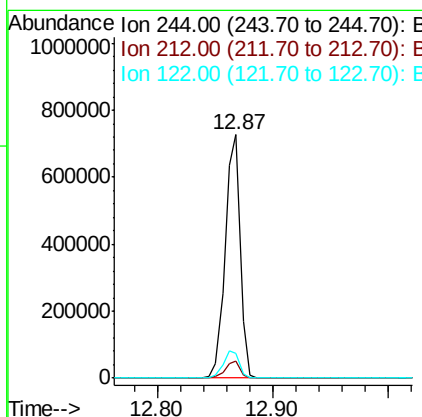
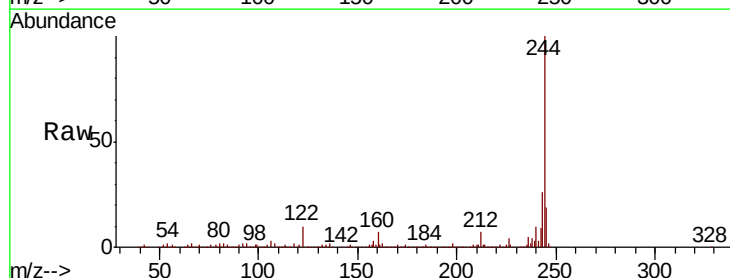
Instrument :
BNA_F
ClientSampleId :
NB-08-093020

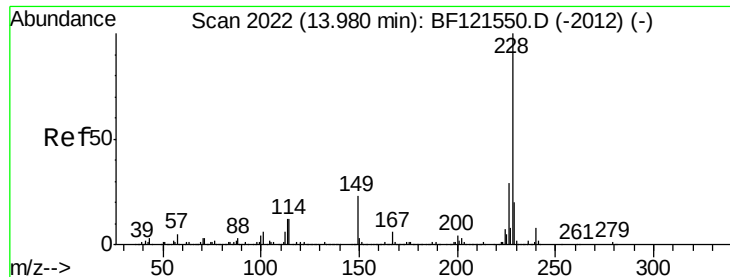
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.4	14.6	21.8



#79
Terphenyl-d14
Concen: 45.955 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.3	8.1	12.1





#81

Benzo(a)anthracene

Concen: 3.919 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

Instrument :

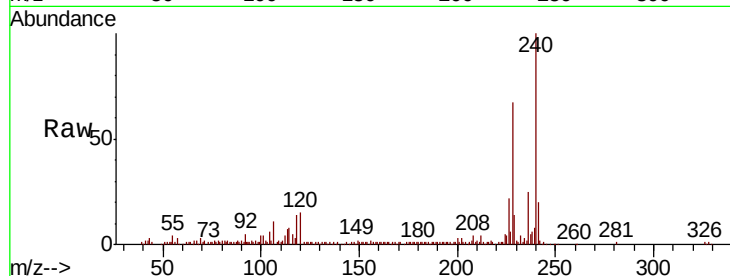
BNA_F

ClientSampleId :

NB-08-093020

Tot Ion:228 Resp: 71437

Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.3	33.5
229	21.0	16.2	24.4

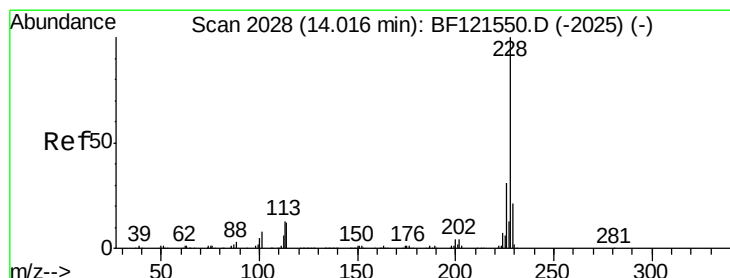
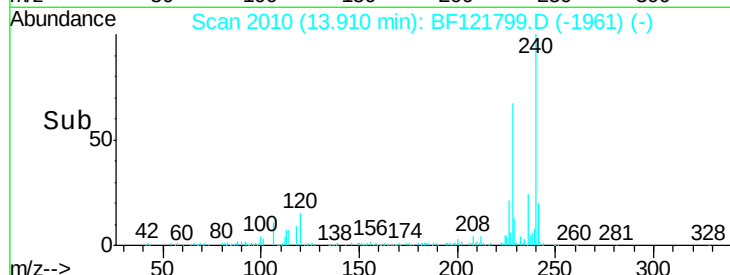
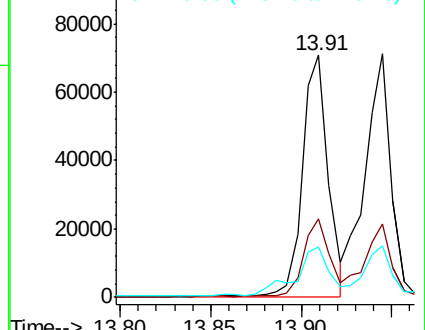


Abundance

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: 3.861 ng

RT: 13.94 min Scan# 2016

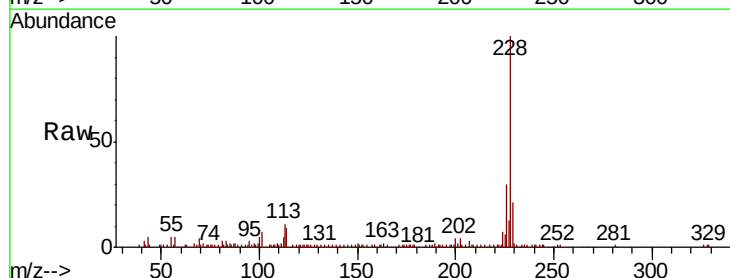
Delta R.T. -0.01 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

Tgt Ion:228 Resp: 71268

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	21.2	15.9	23.9

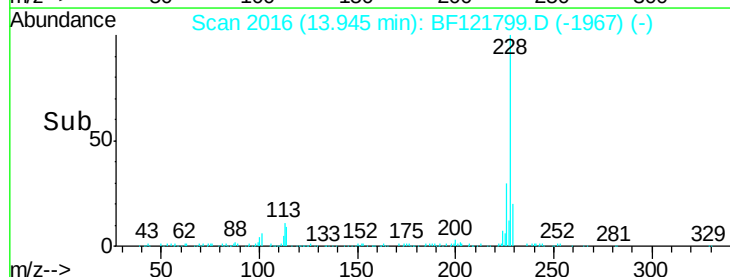
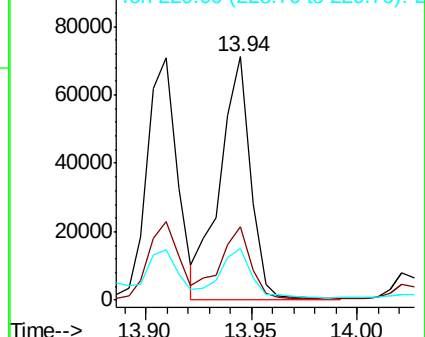


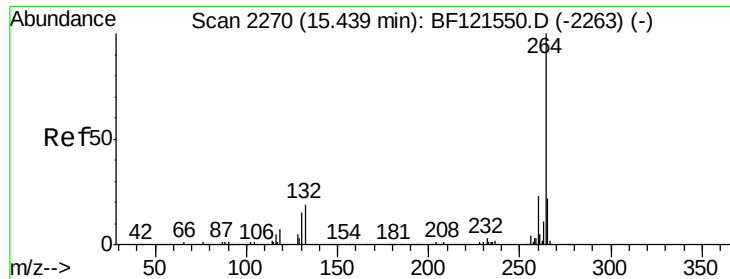
Abundance

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

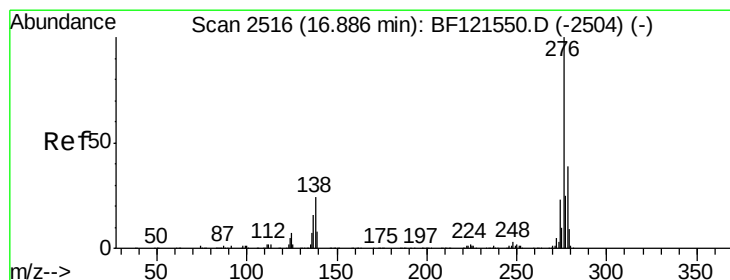
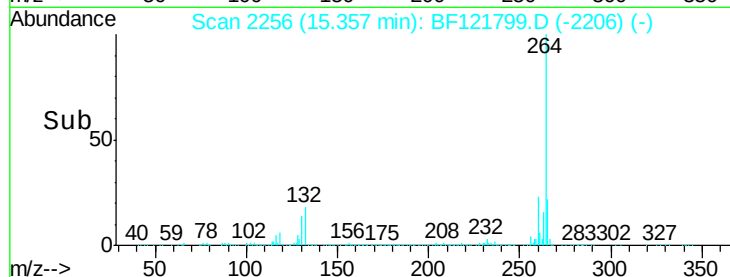
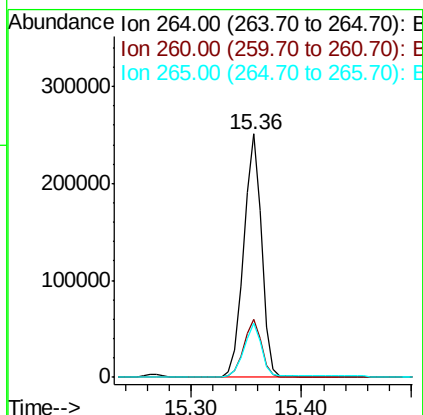
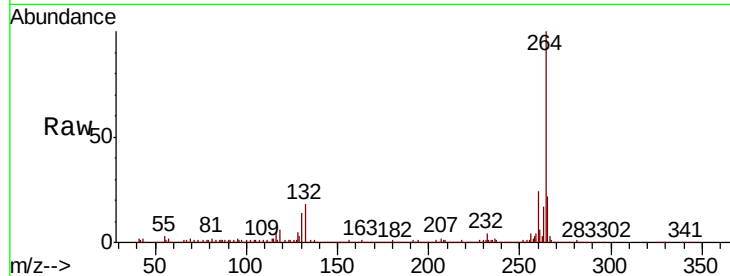




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

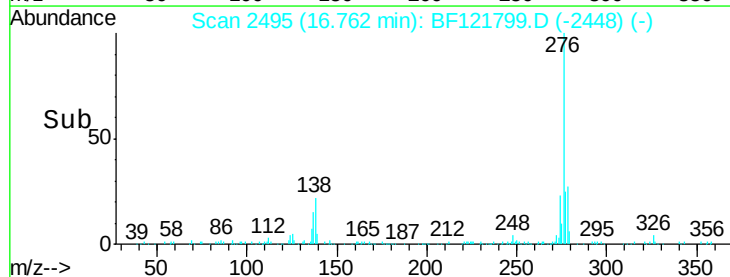
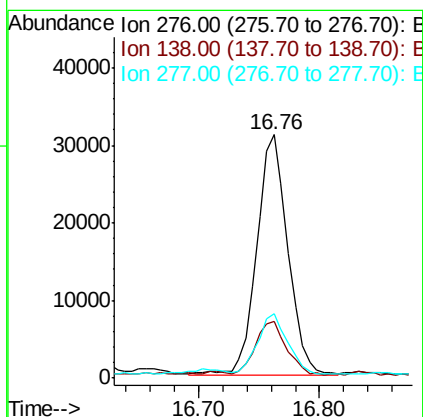
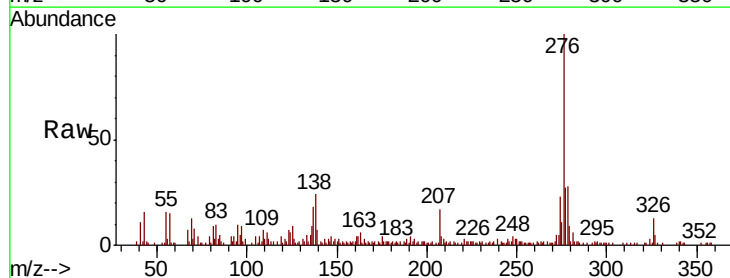
Instrument :
BNA_F
ClientSampleId :
NB-08-093020

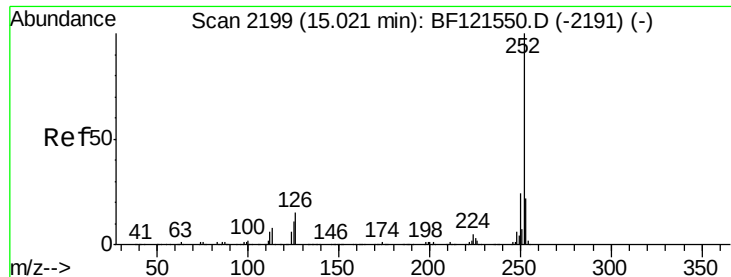
Tot Ion:264 Resp: 286782
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.2 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.968 ng
RT: 16.76 min Scan# 2495
Delta R.T. -0.02 min
Lab File: BF121799.D
Acq: 2 Oct 2020 17:43

Tgt Ion:276 Resp: 55438
Ion Ratio Lower Upper
276 100
138 22.0 19.9 29.9
277 24.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 7.173 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

Instrument :

BNA_F

ClientSampleId :

NB-08-093020

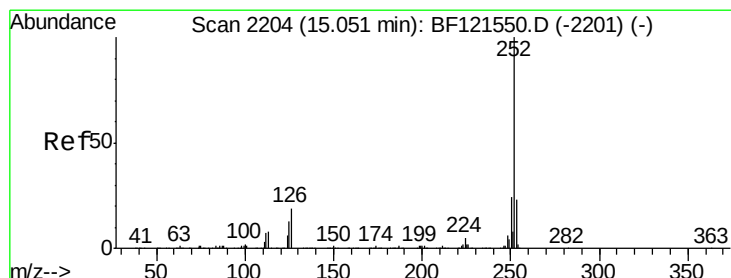
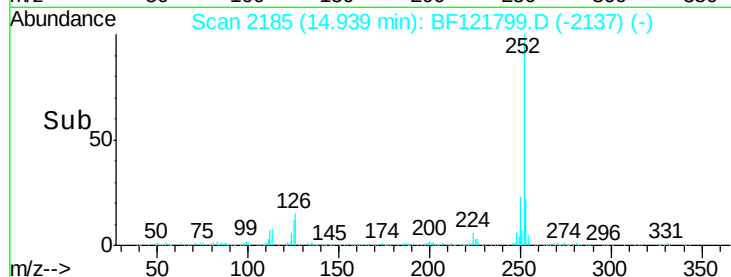
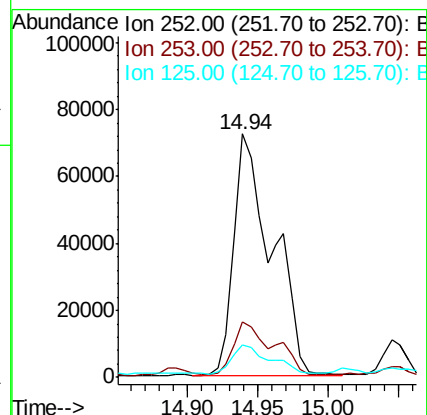
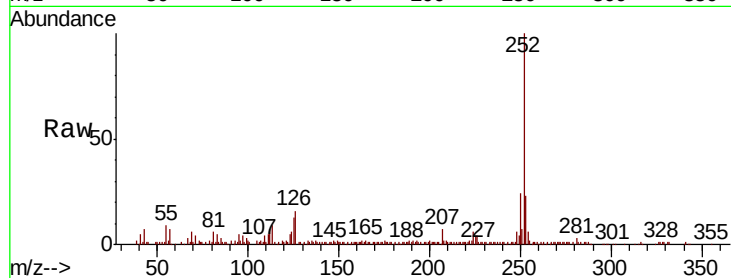
Tot Ion:252 Resp: 137523

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

125 13.3 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 7.833 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.05 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

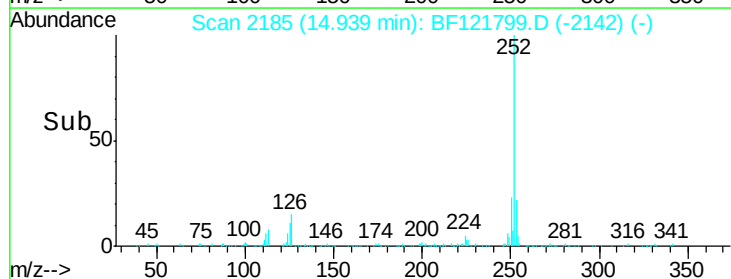
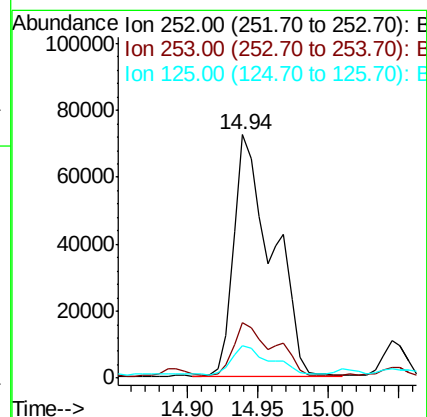
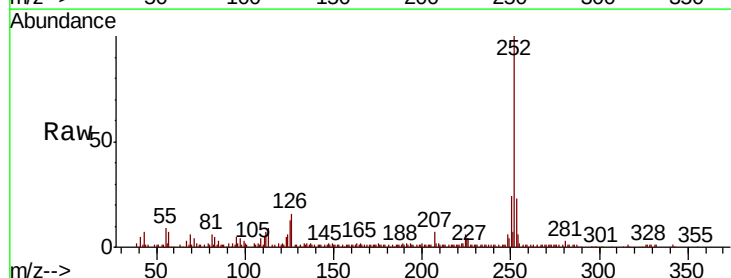
Tgt Ion:252 Resp: 137523

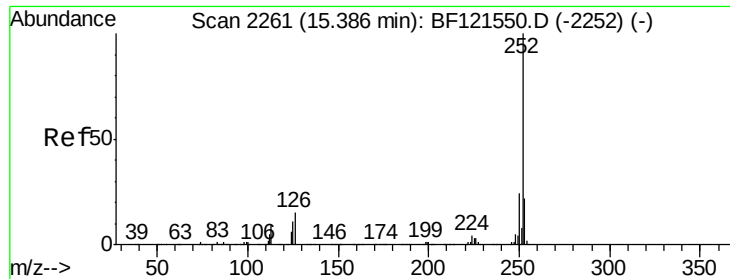
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 13.3 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 4.324 ng

RT: 15.29 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

Instrument :

BNA_F

ClientSampleId :

NB-08-093020

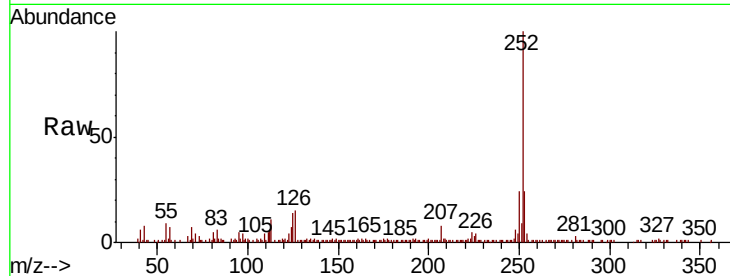
Tot Ion:252 Resp: 70464

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

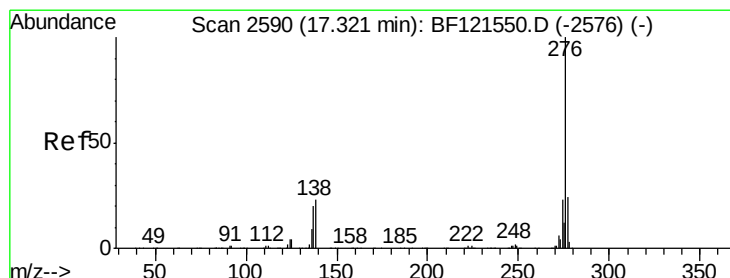
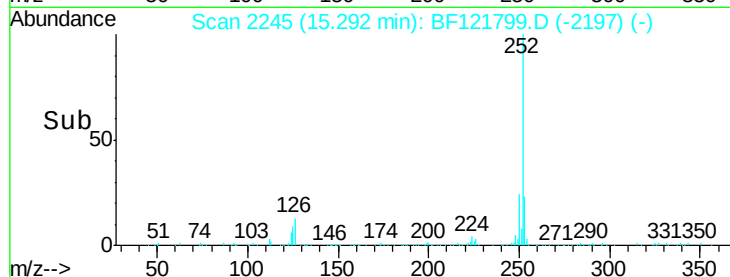
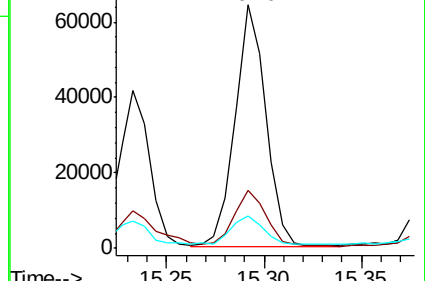
125 13.5 8.6 13.0#



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



#92

Benzo(g,h,i)perylene

Concen: 3.728 ng

RT: 17.19 min Scan# 2567

Delta R.T. -0.02 min

Lab File: BF121799.D

Acq: 2 Oct 2020 17:43

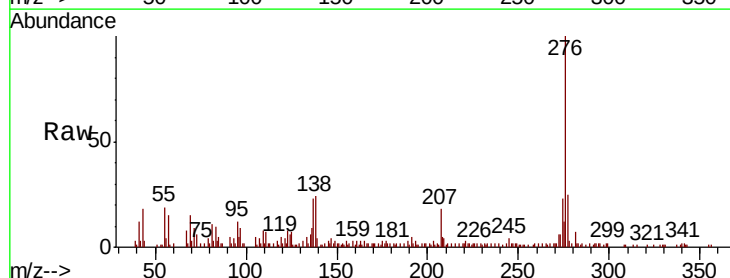
Tgt Ion:276 Resp: 56975

Ion Ratio Lower Upper

276 100

277 25.1 19.4 29.2

138 23.7 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

