

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121824.D
 Acq On : 5 Oct 2020 18:47
 Operator : JU/CG
 Sample : L4241-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

Quant Time: Oct 06 00:20:07 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	100101	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	381555	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	181639	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	296646	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	232510	20.00	ng	-0.01
86) Perylene-d12	15.36	264	248677	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	644064	95.62	ng	0.00
7) Phenol-d6	6.40	99	801396	90.69	ng	-0.01
23) Nitrobenzene-d5	7.33	82	543360	76.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	198692	88.01	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	863097	71.97	ng	-0.01
79) Terphenyl-d14	12.86	244	715375	62.33	ng	-0.02

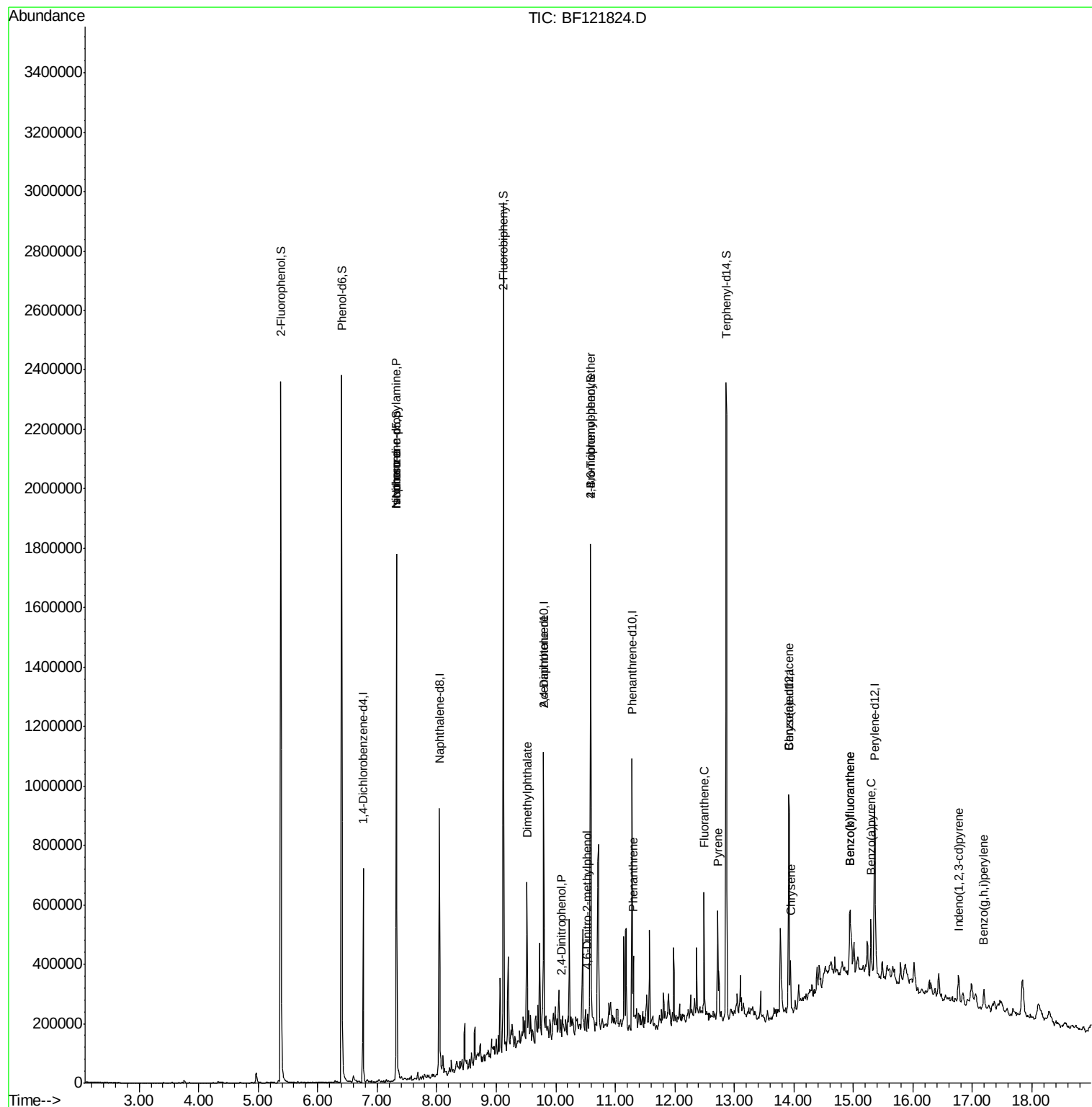
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.33	70	71913	14.120	ng	# 77
25) Isophorone	7.33	82	543353	37.983	ng	# 67
50) Dimethylphthalate	9.52	163	98792	7.504	ng	99
54) 2,4-Dinitrophenol	10.09	184	400	9.267	ng	# 43
57) 2,4-Dinitrotoluene	9.80	165	25084	7.112	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.53	198	131	6.914	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	11252	3.332	ng	# 1
71) Phenanthrene	11.30	178	83104	5.142	ng	98
75) Fluoranthene	12.49	202	147136	8.528	ng	99
78) Pyrene	12.72	202	138417	8.148	ng	99
81) Benzo(a)anthracene	13.91	228	75486	5.132	ng	98
83) Chrysene	13.94	228	71622	4.808	ng	96
87) Indeno(1,2,3-cd)pyrene	16.77	276	55982	3.457	ng	97
88) Benzo(b)fluoranthene	14.94	252	135517	8.152	ng	# 96
89) Benzo(k)fluoranthene	14.94	252	135517	8.902	ng	# 95
90) Benzo(a)pyrene	15.29	252	75753	5.361	ng	# 94
92) Benzo(a,h,i)perylene	17.19	276	53936	4.070	ng	97

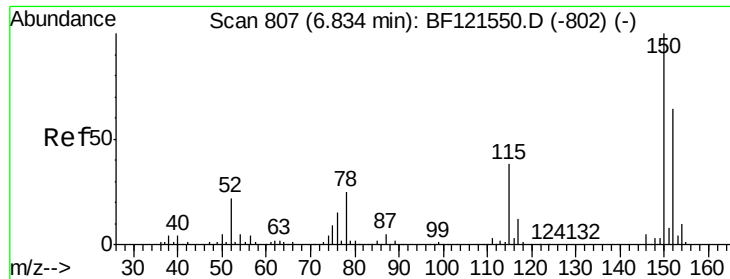
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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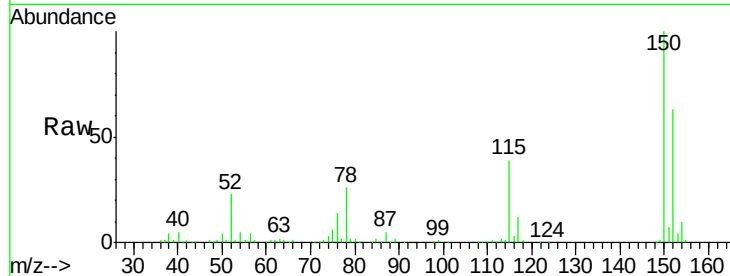


#1

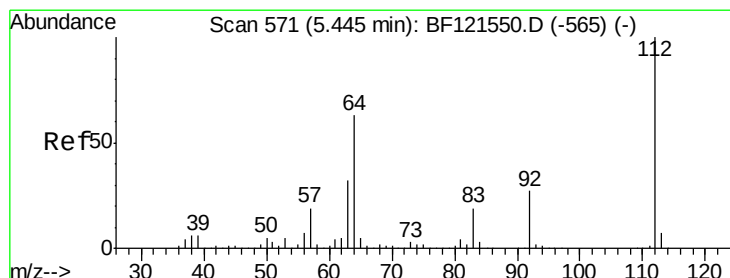
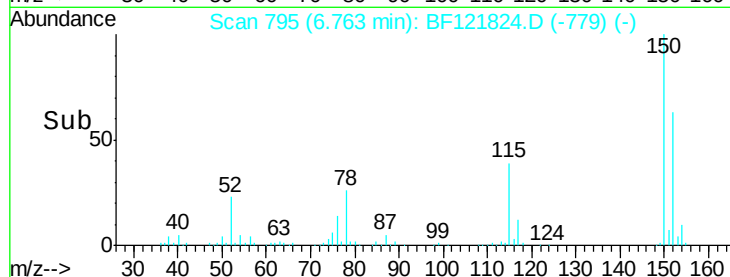
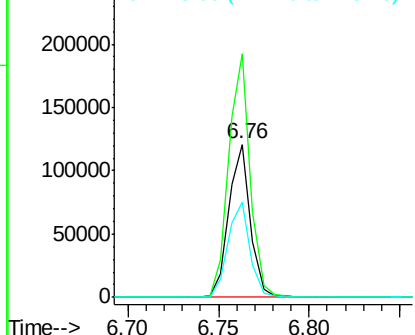
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Instrument :
BNA_F
ClientSampleId :
DUP-4

Tot Ion:152 Resp: 100101
Ion Ratio Lower Upper
152 100
150 159.3 125.3 187.9
115 62.6 51.9 77.9



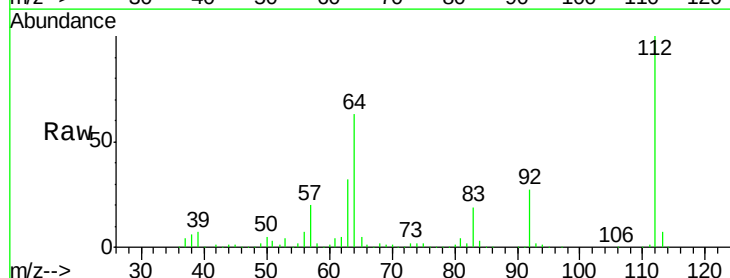
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



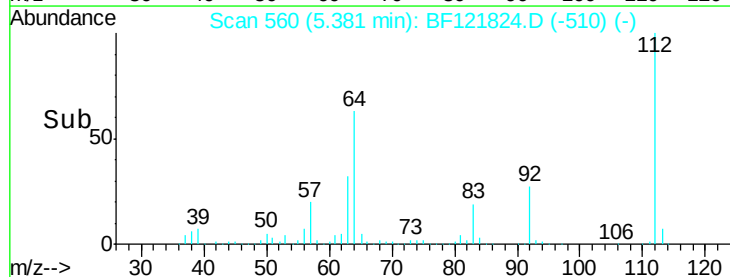
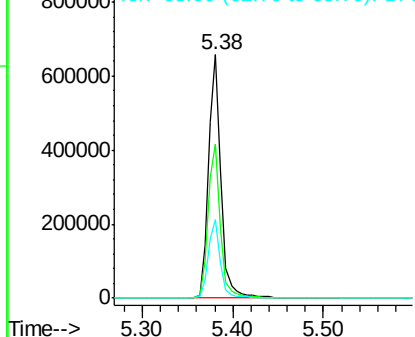
#5

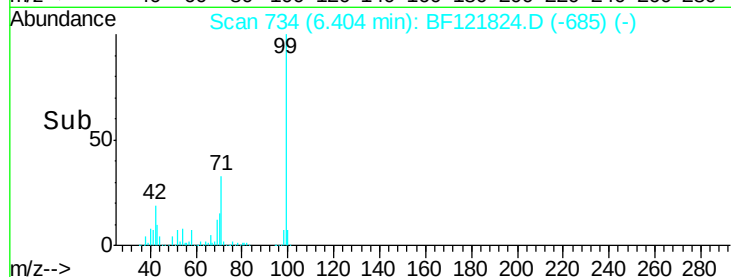
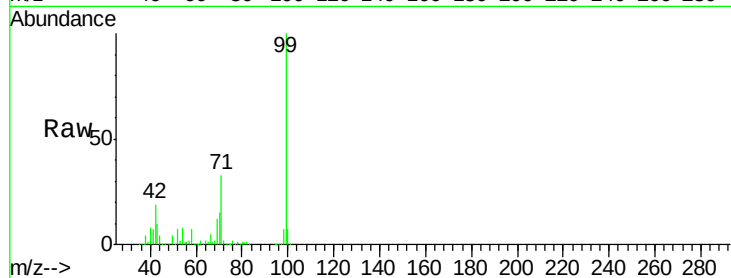
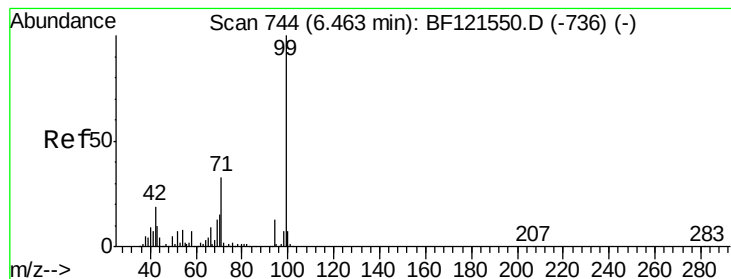
2-Fluorophenol
Concen: 95.619 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion:112 Resp: 644064
Ion Ratio Lower Upper
112 100
64 63.2 50.4 75.6
63 32.3 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: 90.688 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Instrument :

BNA_F

ClientSampleId :

DUP-4

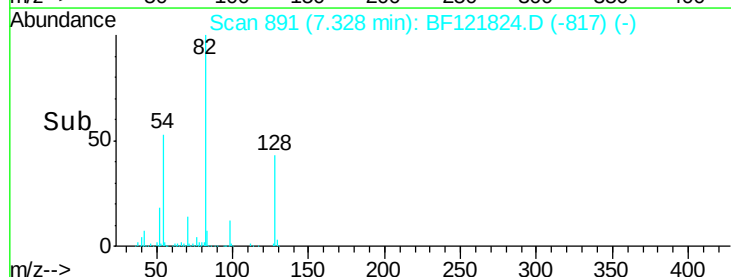
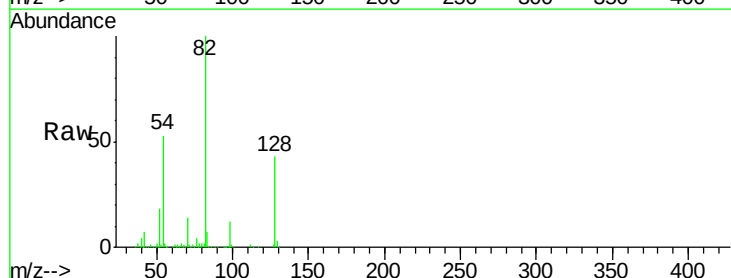
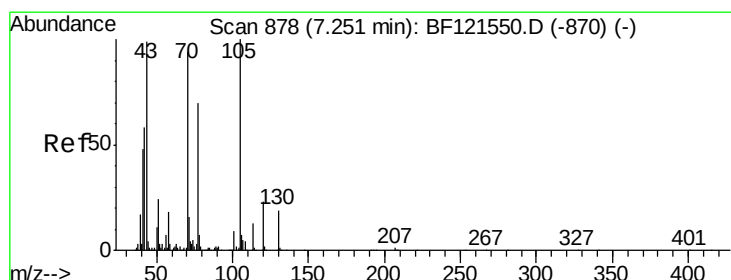
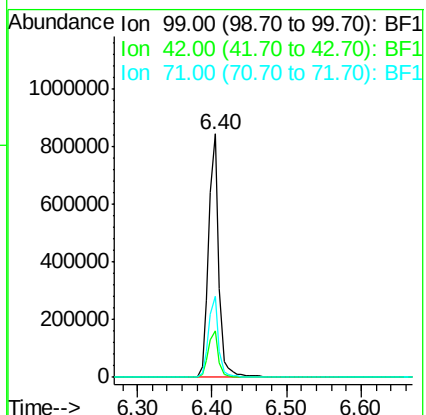
Tot Ion: 99 Resp: 801396

Ion Ratio Lower Upper

99 100

42 19.2 15.9 23.9

71 33.2 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.120 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Tgt Ion: 70 Resp: 71913

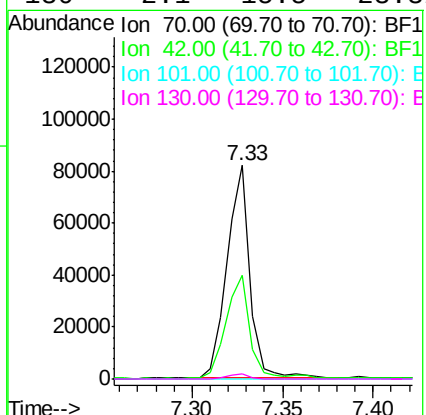
Ion Ratio Lower Upper

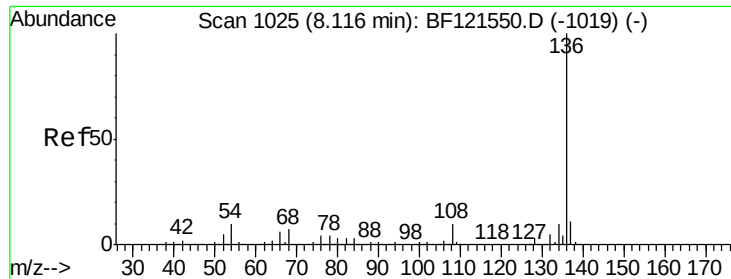
70 100

42 48.4 50.2 75.4#

101 0.0 7.5 11.3#

130 2.1 15.5 23.3#

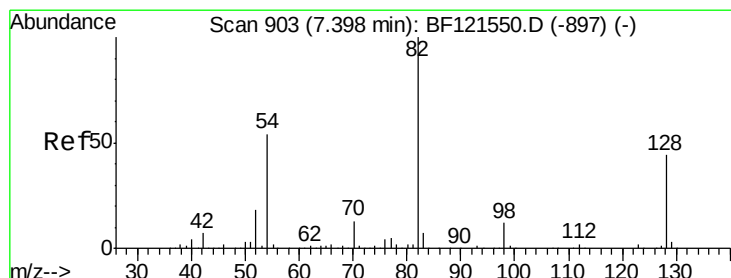
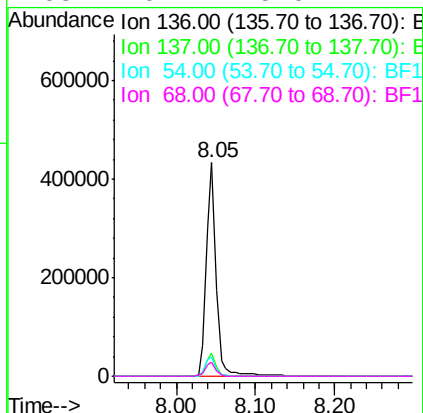
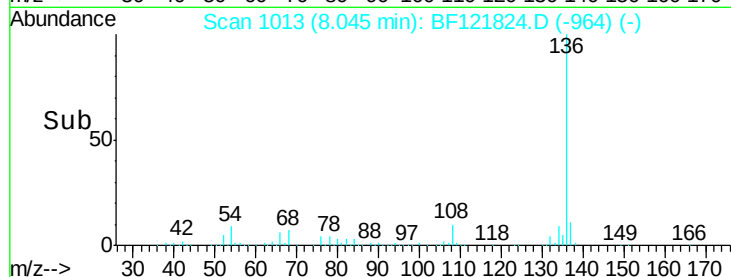
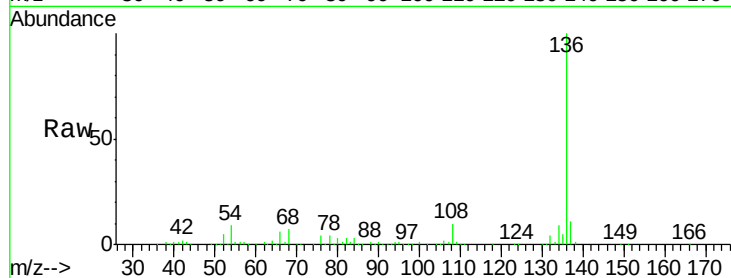




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

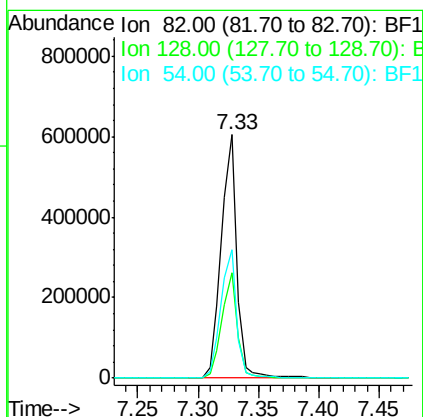
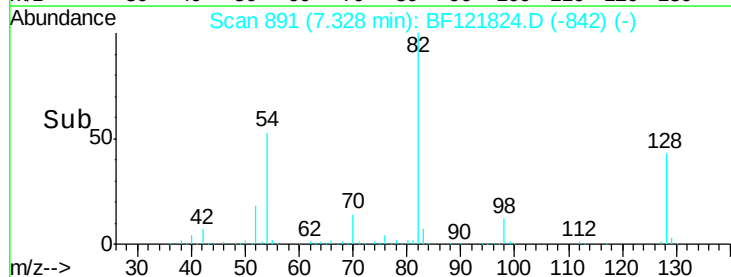
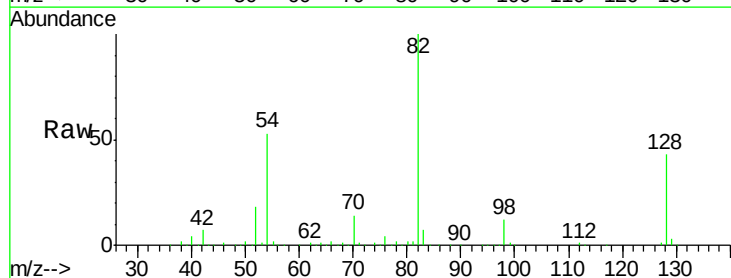
Instrument :
BNA_F
ClientSampleId :
DUP-4

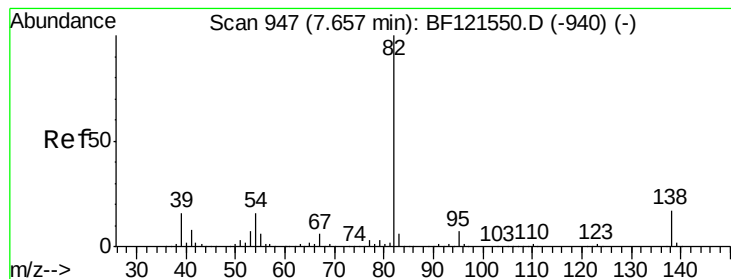
Tot Ion:136	Resp:	381555
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 13.0
54	9.3	7.1 10.7
68	6.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 76.461 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion: 82	Resp:	543360
Ion	Ratio	Lower Upper
82	100	
128	43.4	35.0 52.4
54	52.9	43.9 65.9





#25

Isophorone

Concen: 37.983 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Instrument :

BNA_F

ClientSampleId :

DUP-4

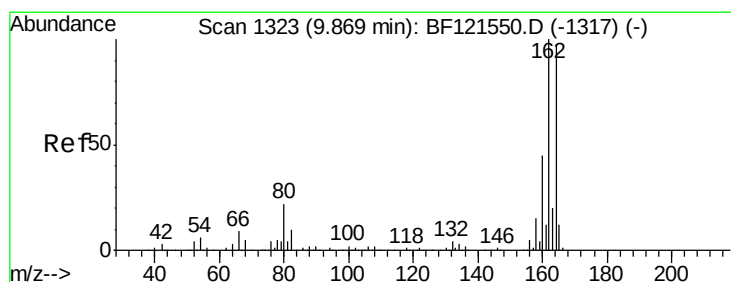
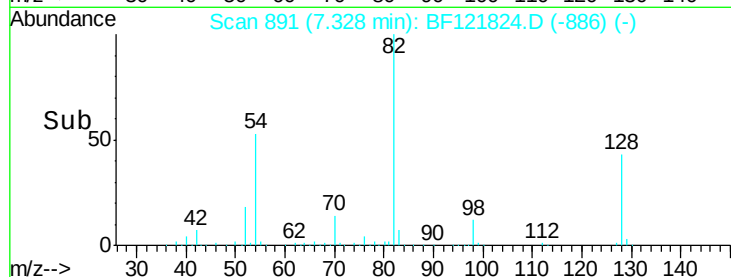
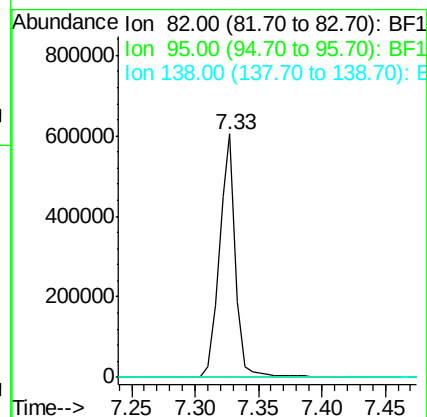
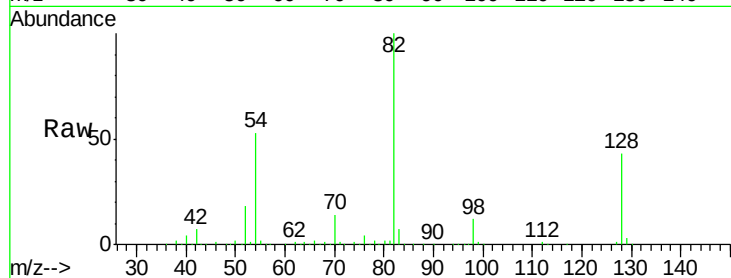
Tot Ion: 82 Resp: 543353

Ion Ratio Lower Upper

82 100

95 0.1 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: BF121824.D

Acq: 5 Oct 2020 18:47

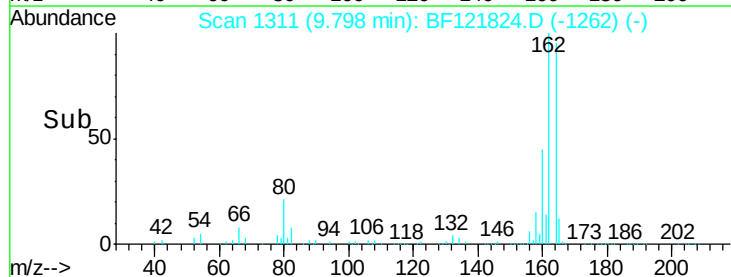
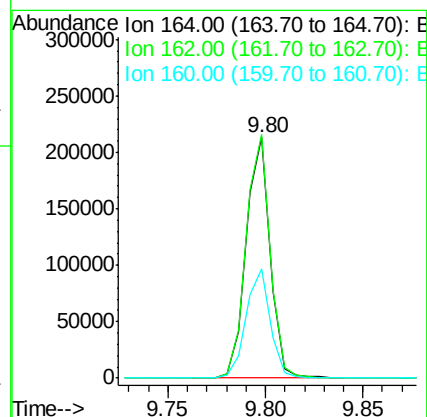
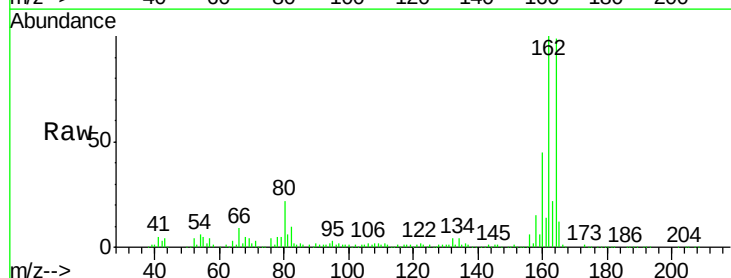
Tgt Ion: 164 Resp: 181639

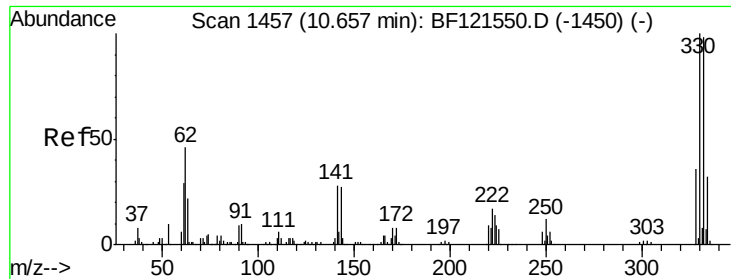
Ion Ratio Lower Upper

164 100

162 101.2 83.2 124.8

160 45.5 37.5 56.3

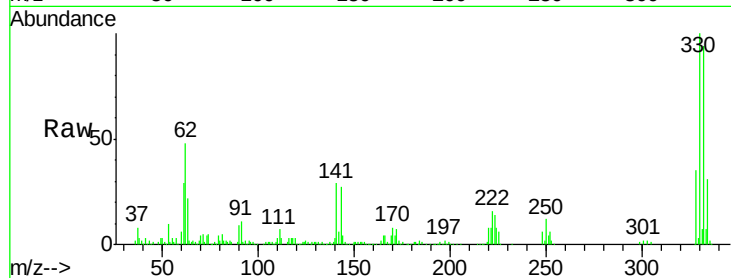




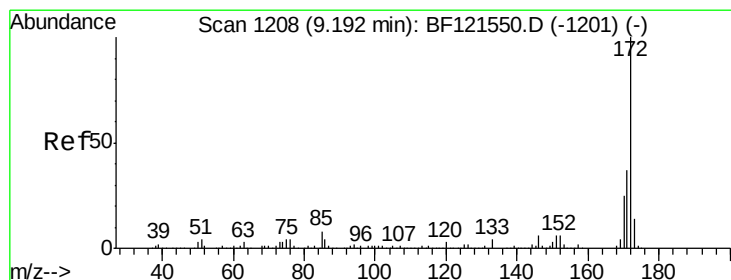
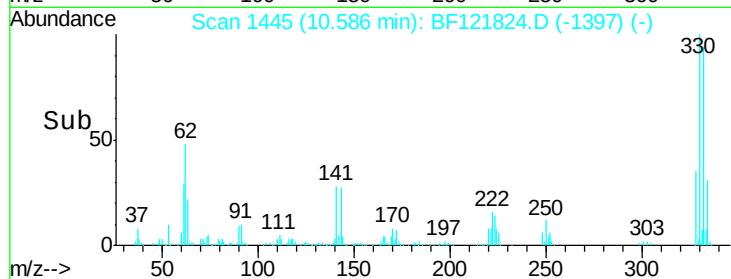
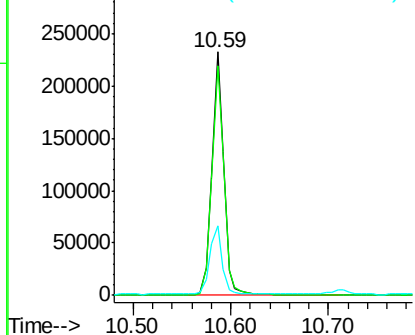
#42
 2,4,6-Tribromophenol
 Concen: 88.013 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

Tot Ion:330 Resp: 198692
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 29.0 22.3 33.5

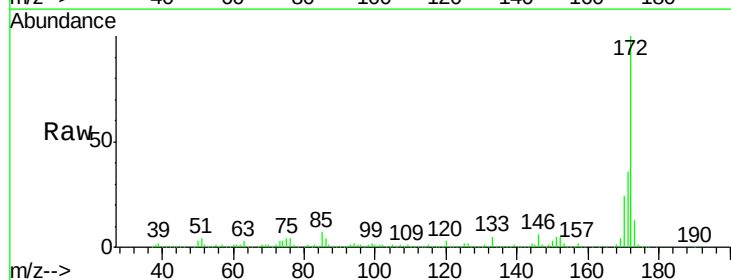


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

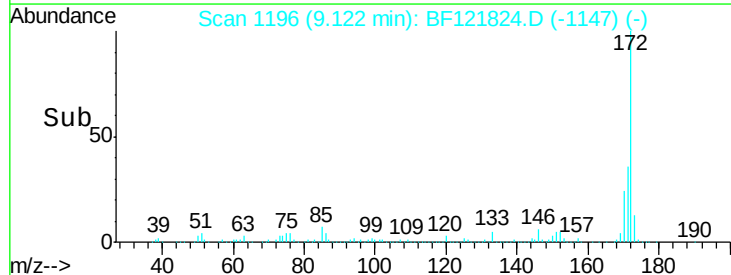
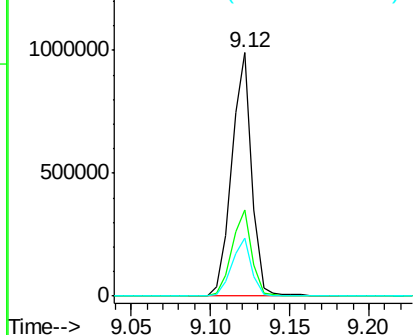


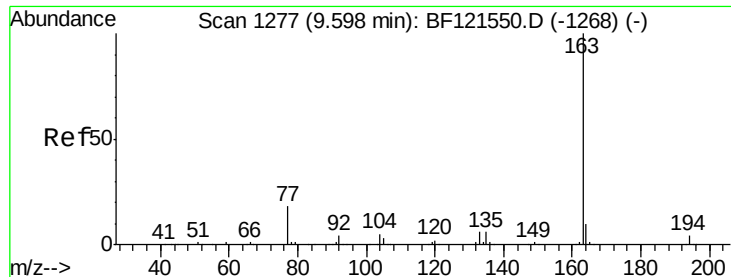
#45
 2-Fluorobiphenyl
 Concen: 71.966 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Tgt Ion:172 Resp: 863097
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.1 43.7
 170 24.0 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

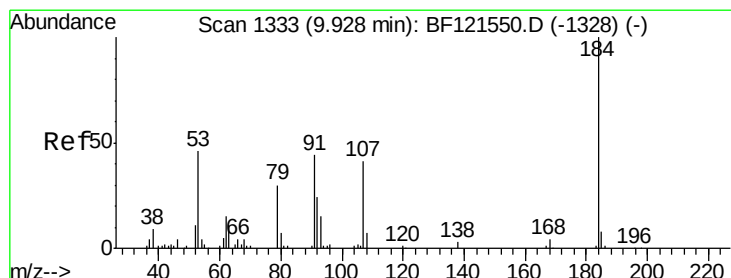
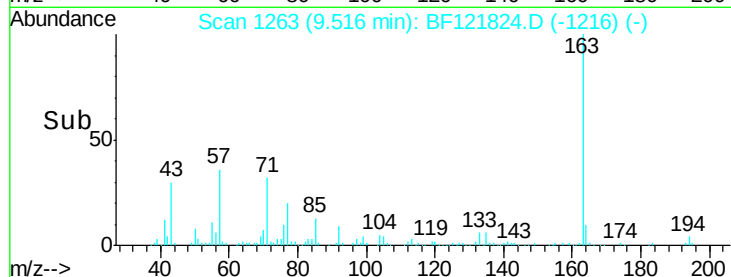
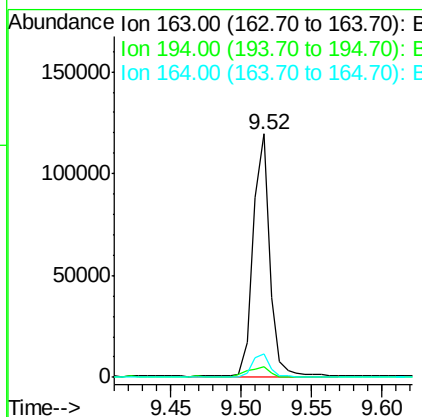
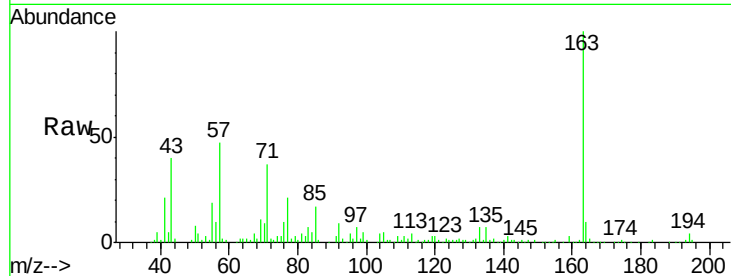




#50
Dimethylphthalate
Concen: 7.504 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

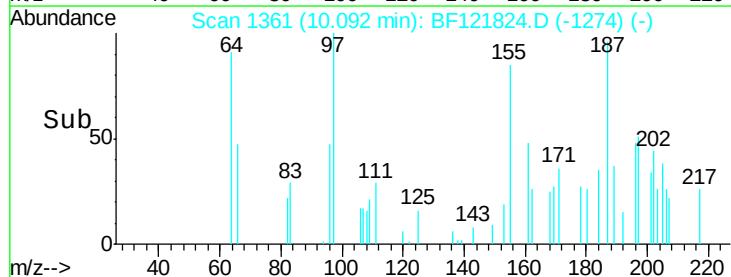
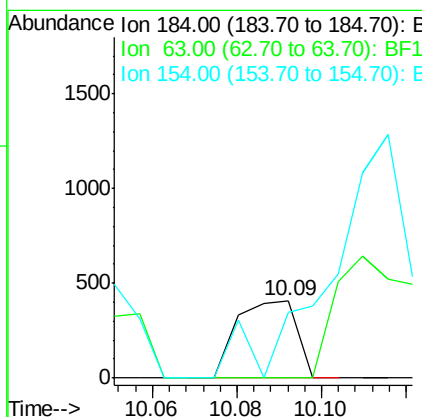
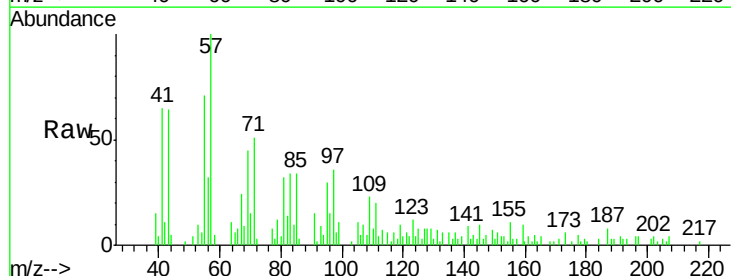
Instrument :
BNA_F
ClientSampleId :
DUP-4

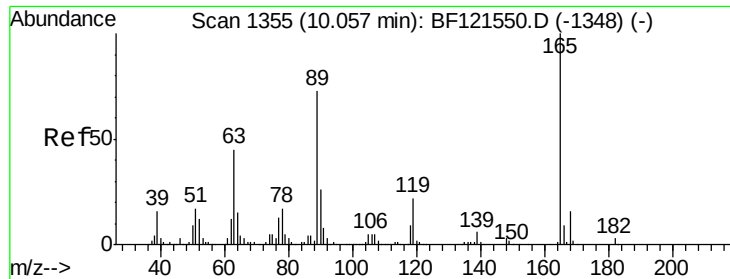
Tot Ion:163 Resp: 98792
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 9.8 8.2 12.4



#54
2,4-Dinitrophenol
Concen: 9.267 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.21 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion:184 Resp: 400
Ion Ratio Lower Upper
184 100
63 0.0 45.9 68.9#
154 84.1 45.8 68.6#

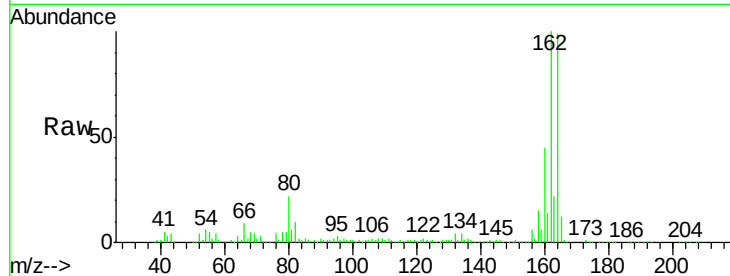




#57
 2,4-Dinitrotoluene
 Concen: 7.112 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.3	61.9#
89	2.0	61.8	92.8#
182	1.3	2.1	3.1#

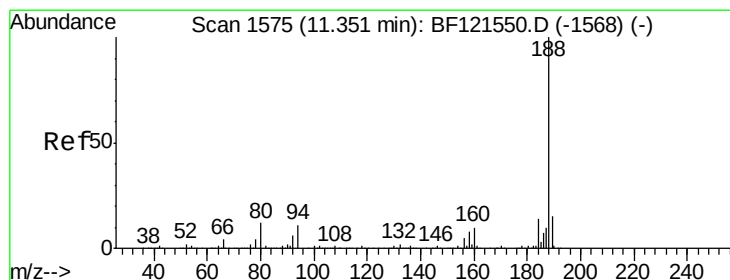
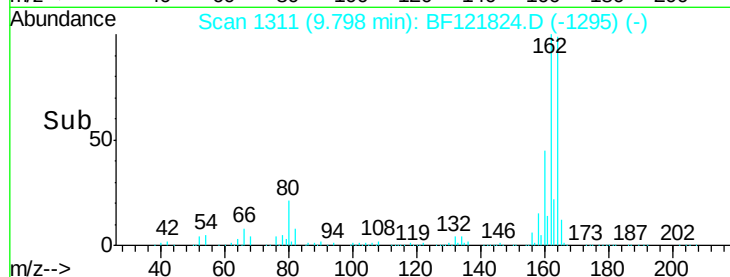
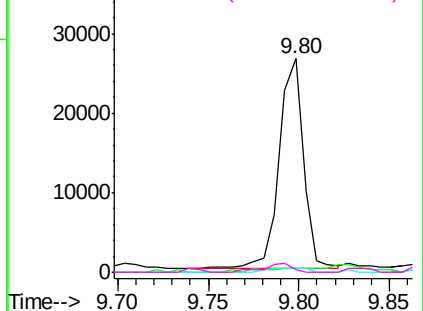


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

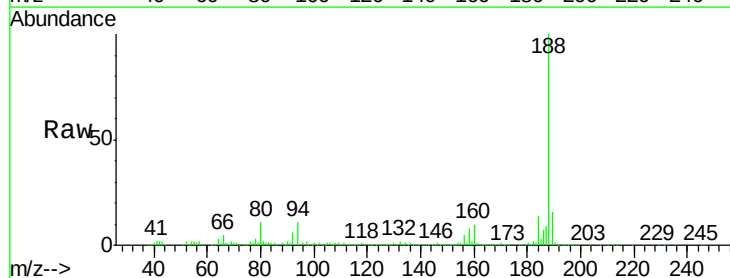
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

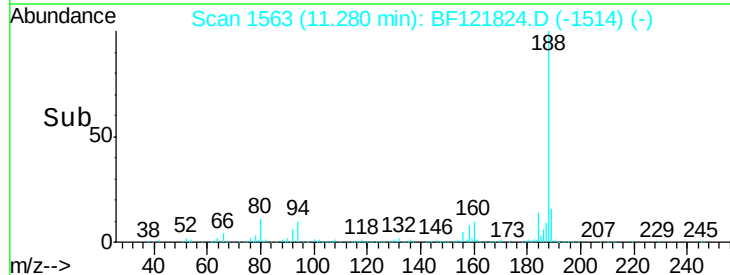
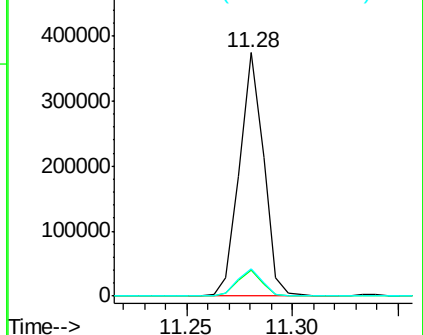
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.4	9.1	13.7

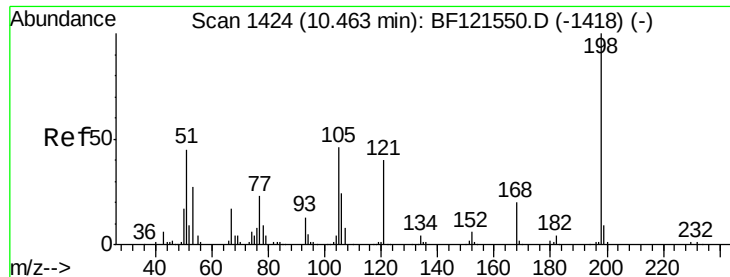


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

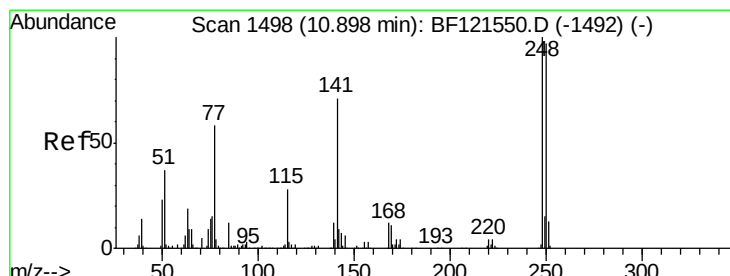
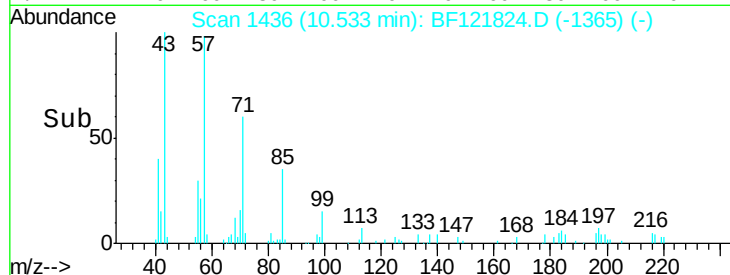
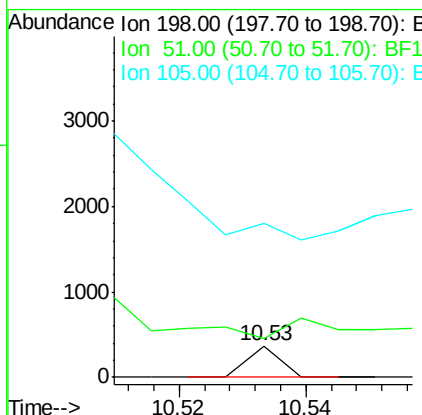
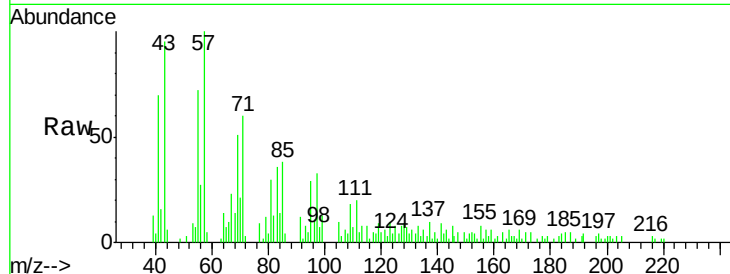




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.914 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.12 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

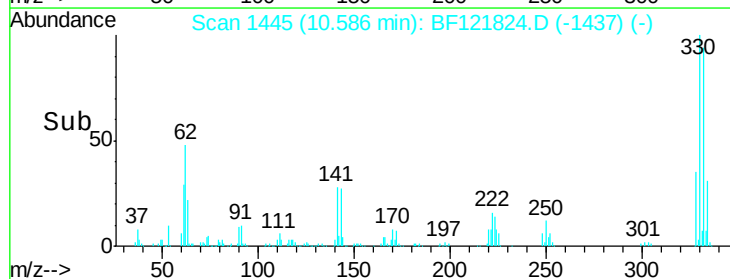
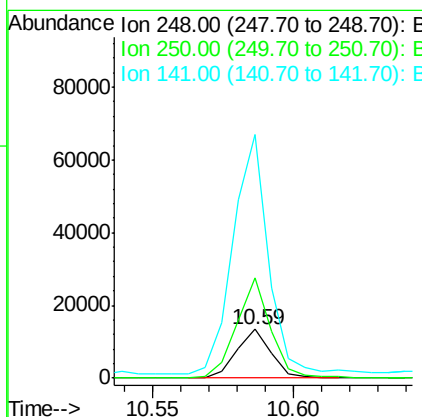
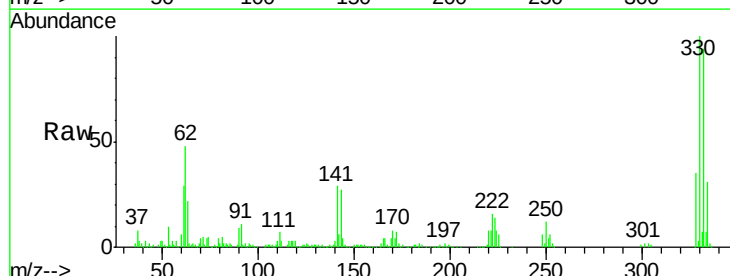
Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

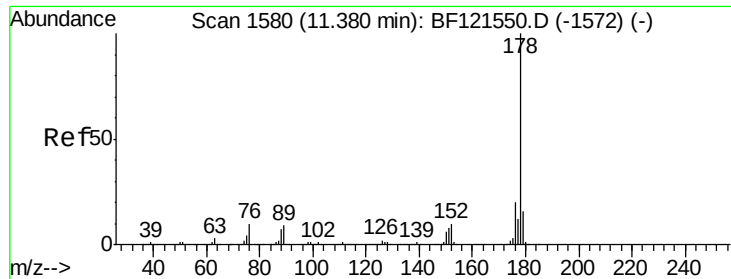
Tot Ion:198 Resp: 131
 Ion Ratio Lower Upper
 198 100
 51 124.3 29.6 69.6#
 105 488.1 24.4 64.4#



#67
 4-Bromophenyl-phenylether
 Concen: 3.332 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Tgt Ion:248 Resp: 11252
 Ion Ratio Lower Upper
 248 100
 250 204.9 77.0 115.6#
 141 499.8 53.7 80.5#

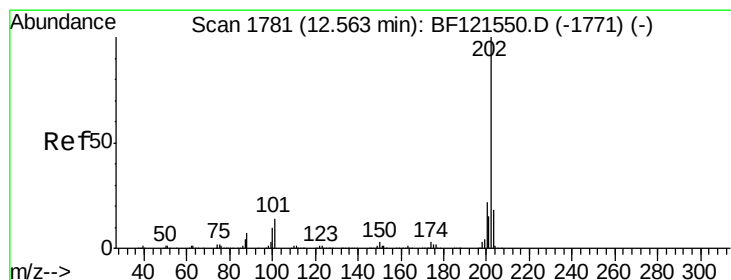
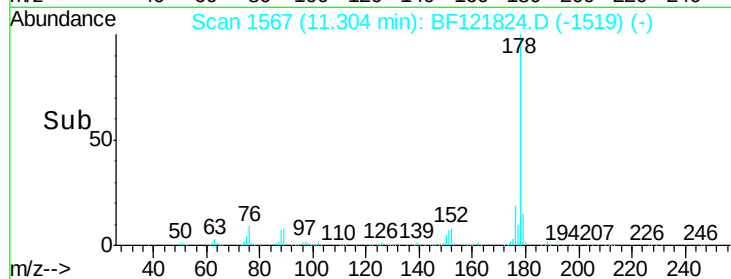
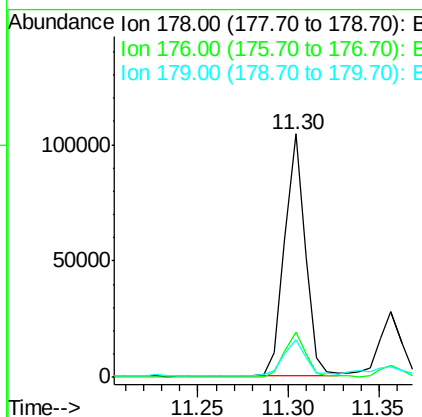
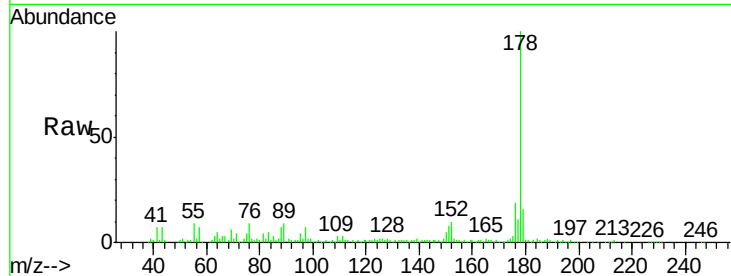




#71
Phenanthrene
Concen: 5.142 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

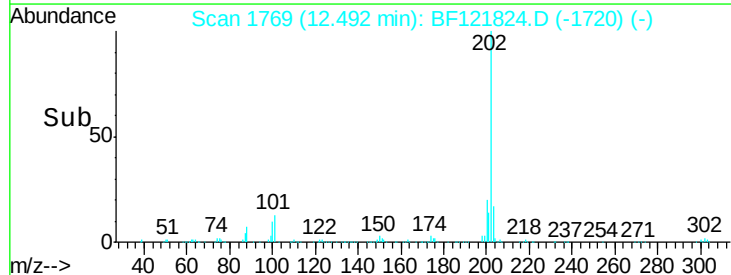
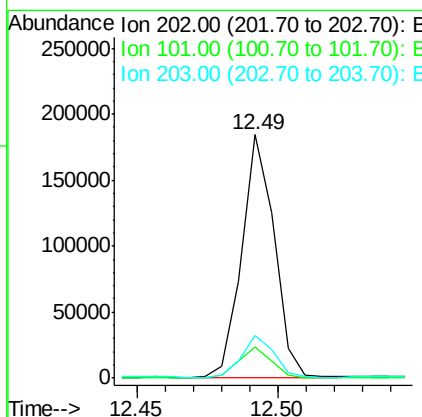
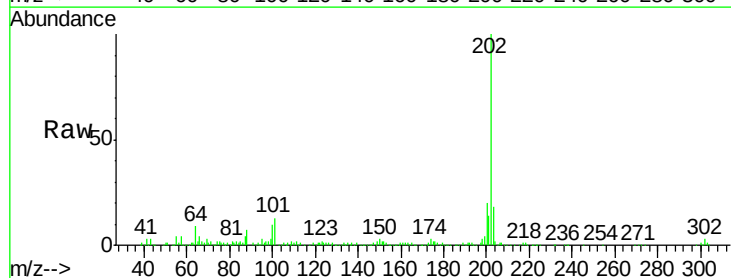
Instrument :
BNA_F
ClientSampled :
DUP-4

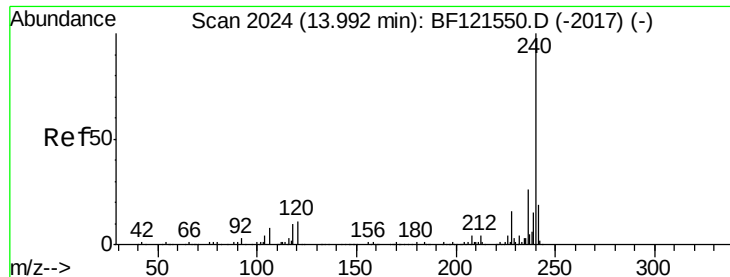
Tot Ion:178 Resp: 83104
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.5 12.2 18.4



#75
Fluoranthene
Concen: 8.528 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion:202 Resp: 147136
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.4
203 17.7 0.0 37.9

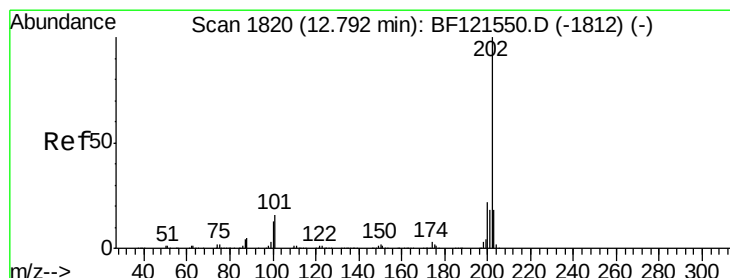
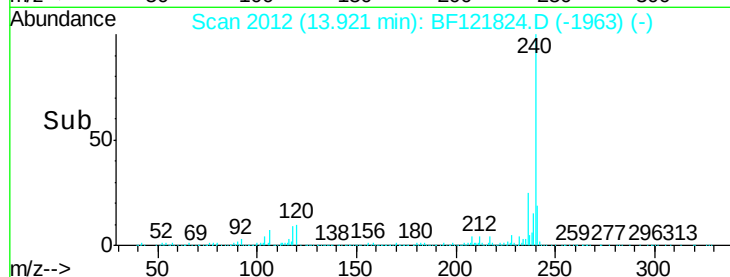
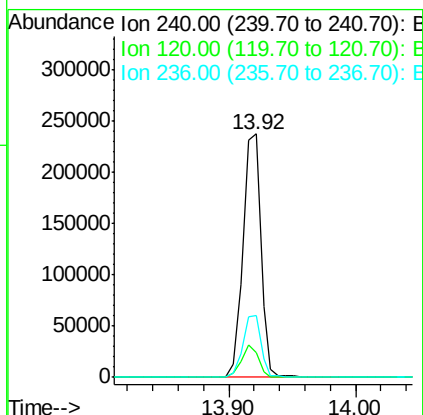
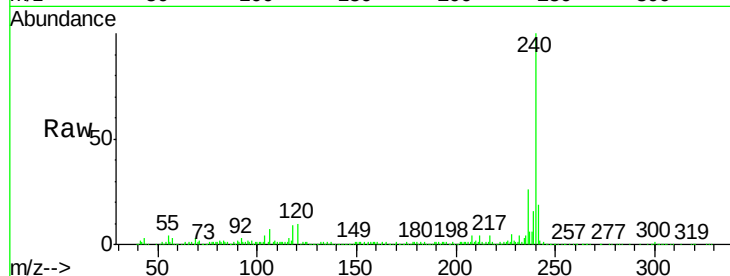




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

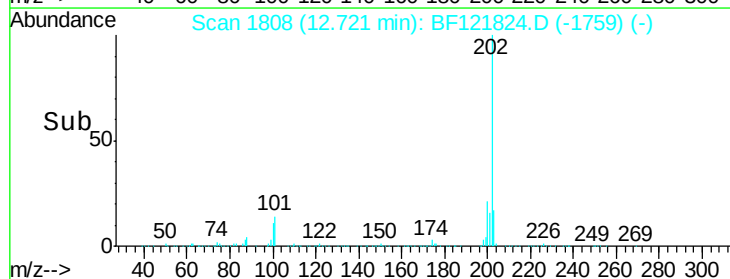
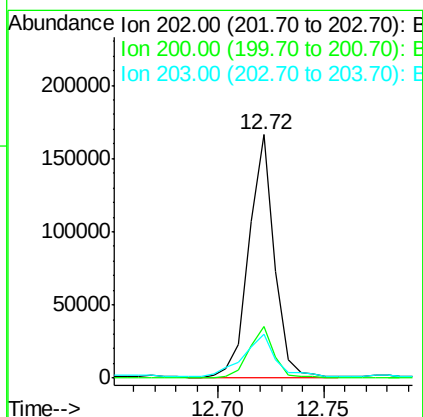
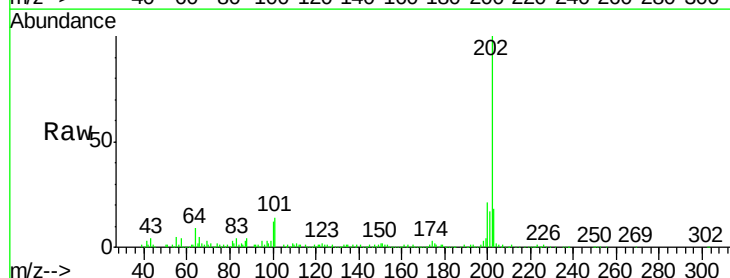
Instrument :
BNA_F
ClientSampleId :
DUP-4

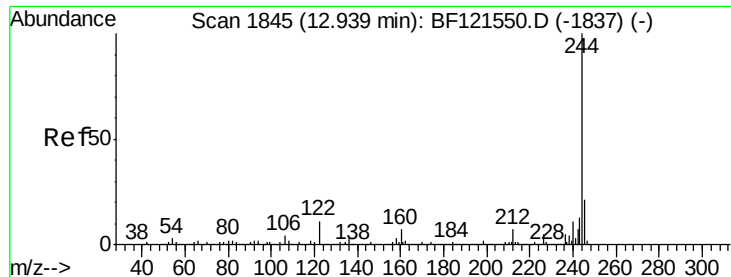
Tot Ion:240 Resp: 232510
Ion Ratio Lower Upper
240 100
120 10.3 9.2 13.8
236 25.6 20.9 31.3



#78
Pyrene
Concen: 8.148 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion:202 Resp: 138417
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.9 14.6 21.8





#79

Terphenyl-d14

Concen: 62.332 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Instrument :

BNA_F

ClientSampled :

DUP-4

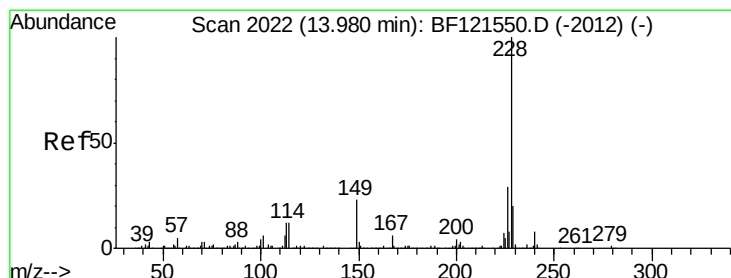
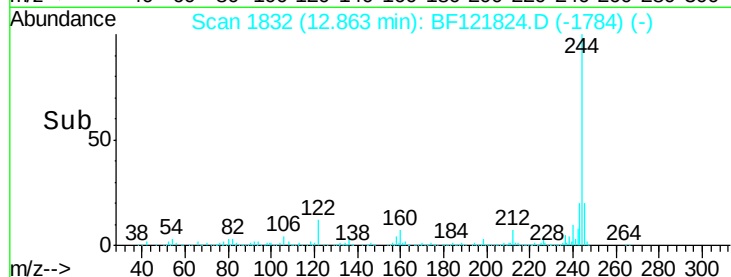
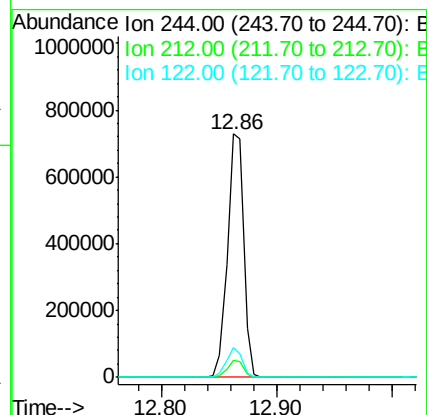
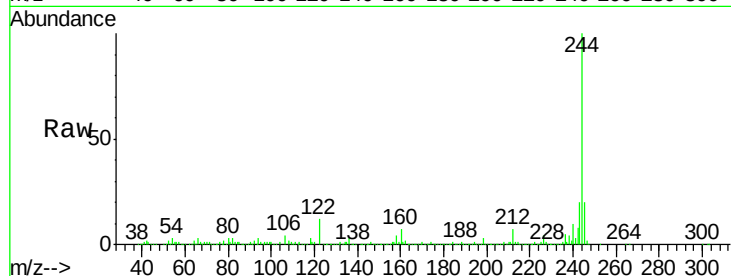
Tot Ion:244 Resp: 715375

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 12.4 8.1 12.1#



#81

Benzo(a)anthracene

Concen: 5.132 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

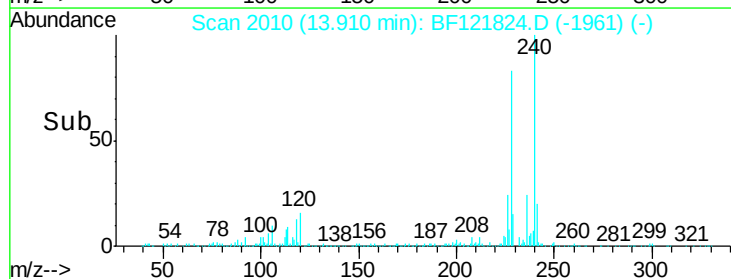
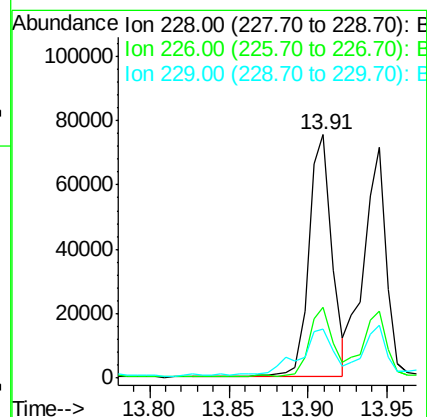
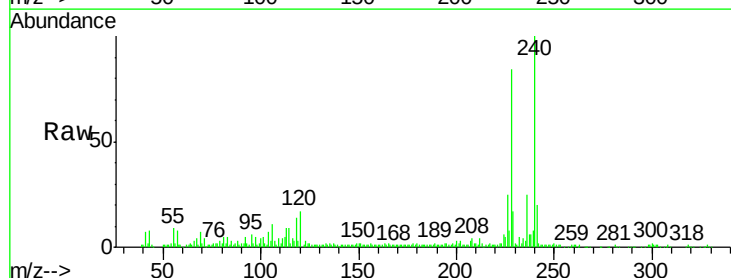
Tgt Ion:228 Resp: 75486

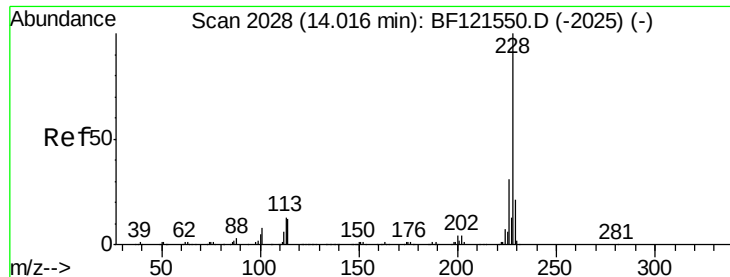
Ion Ratio Lower Upper

228 100

226 29.2 22.3 33.5

229 20.1 16.2 24.4

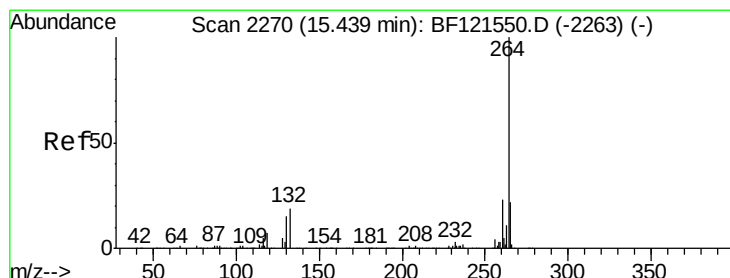
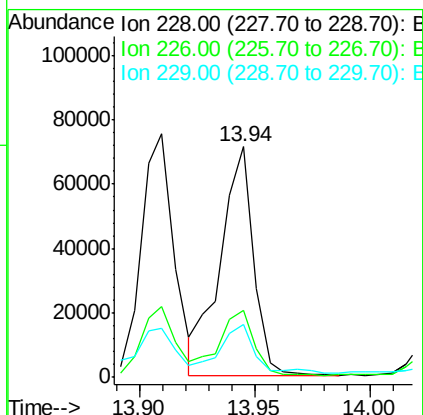
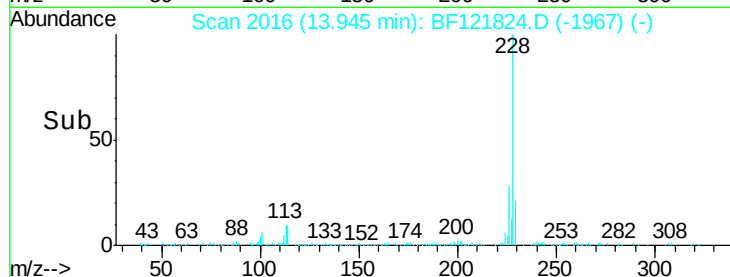
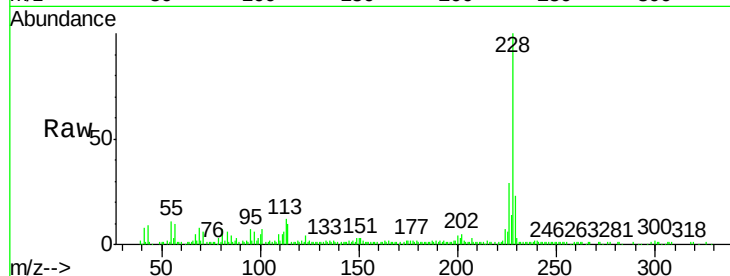




#83
Chrysene
Concen: 4.808 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

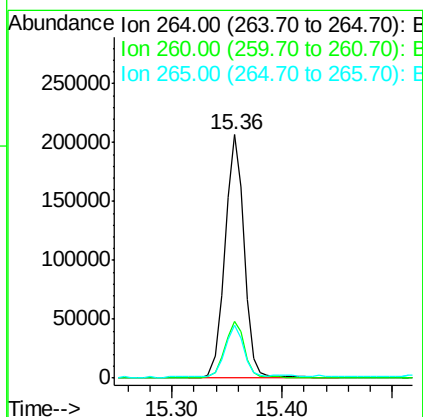
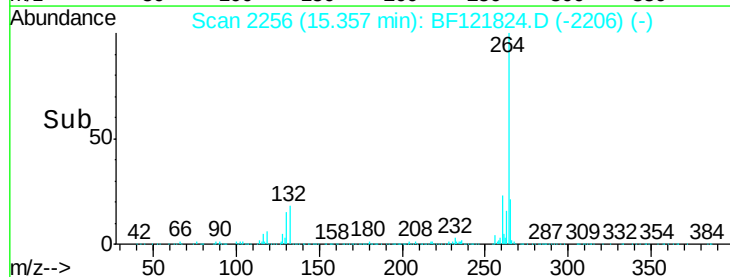
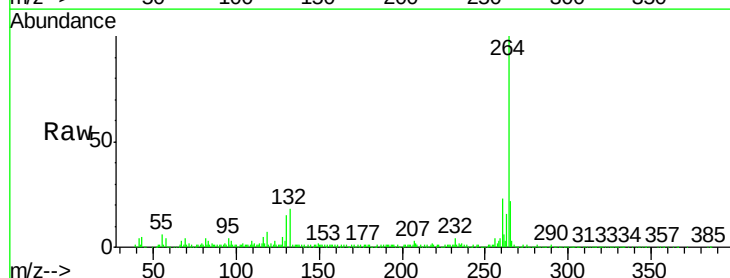
Instrument :
BNA_F
ClientSampleId :
DUP-4

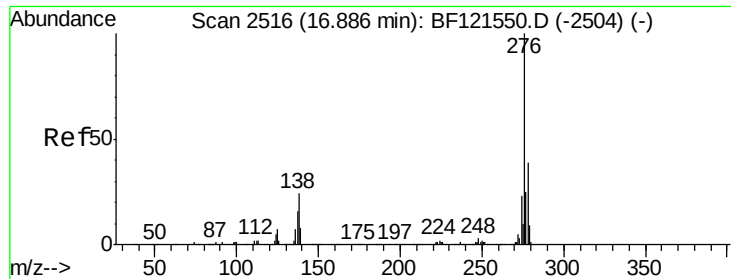
Tot Ion:228 Resp: 71622
Ion Ratio Lower Upper
228 100
226 29.1 24.6 37.0
229 22.7 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121824.D
Acq: 5 Oct 2020 18:47

Tgt Ion:264 Resp: 248677
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.7 17.3 25.9

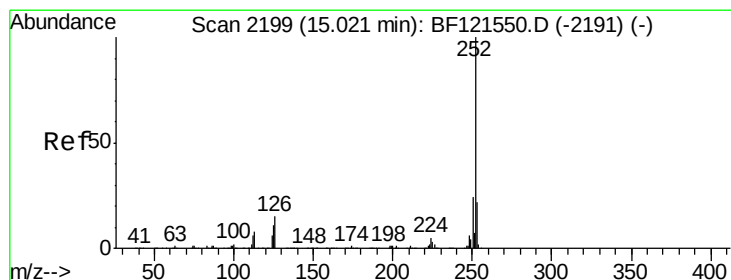
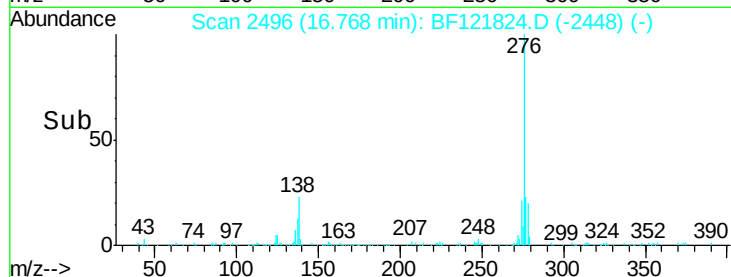
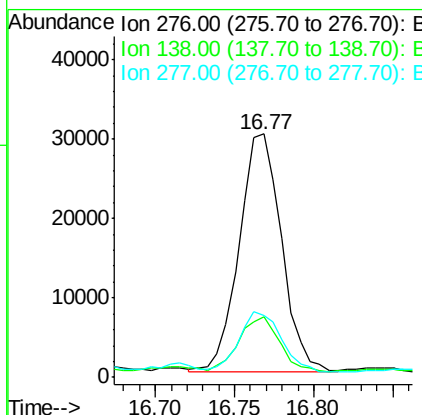
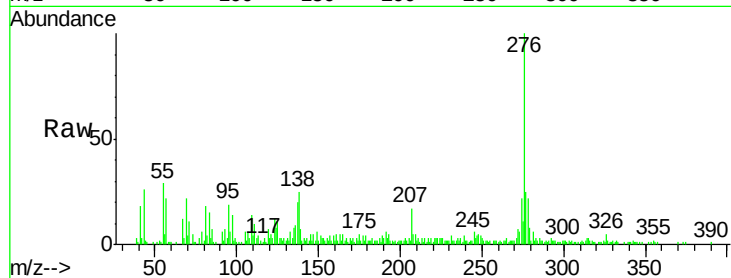




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.457 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. -0.02 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

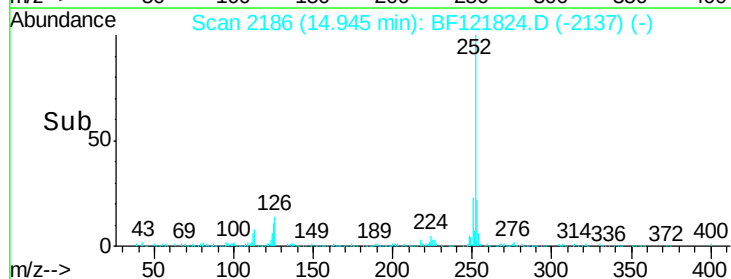
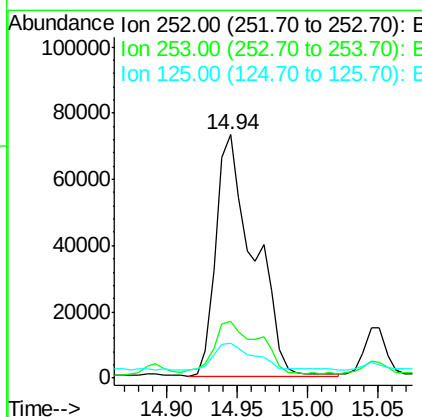
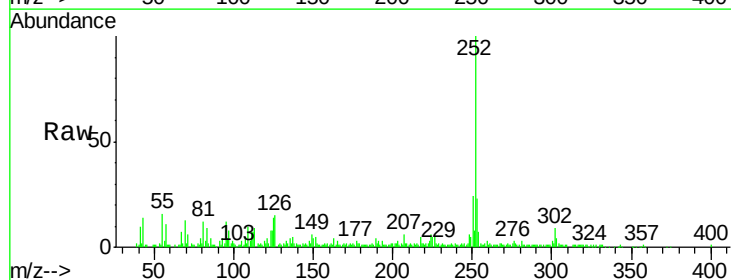
Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

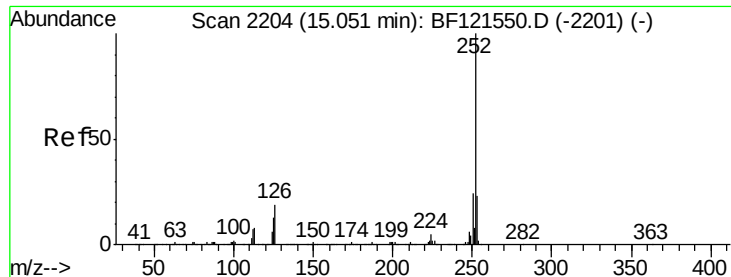
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.9	29.9
277	24.6	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.152 ng
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	14.2	8.0	12.0#





#89

Benzo(k)fluoranthene

Concen: 8.902 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.04 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

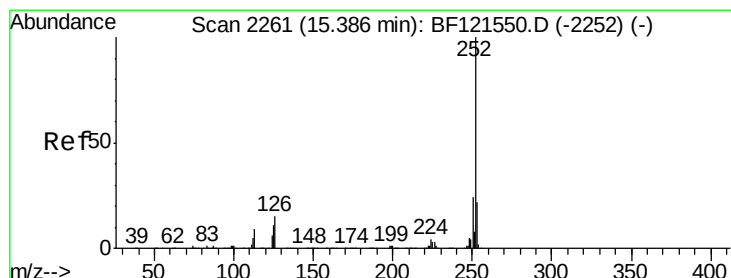
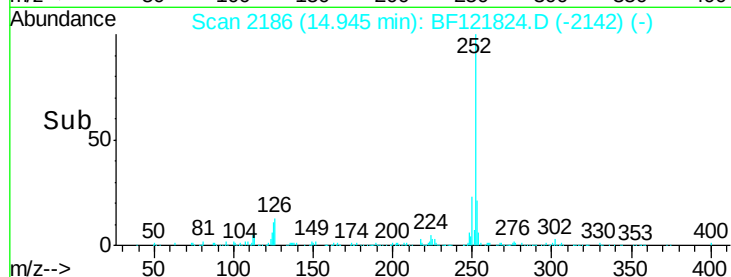
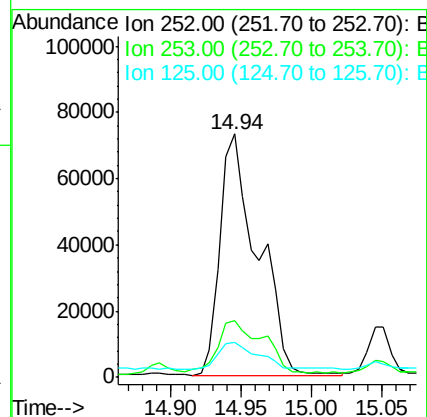
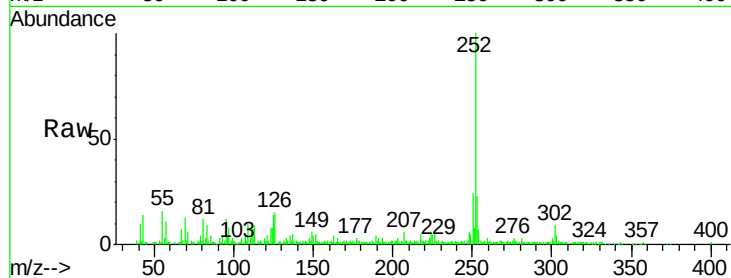
Instrument :

BNA_F

ClientSampleId :

DUP-4

Tot Ion:	252	Resp:	135517
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	14.2	7.7	11.5#



#90

Benzo(a)pyrene

Concen: 5.361 ng

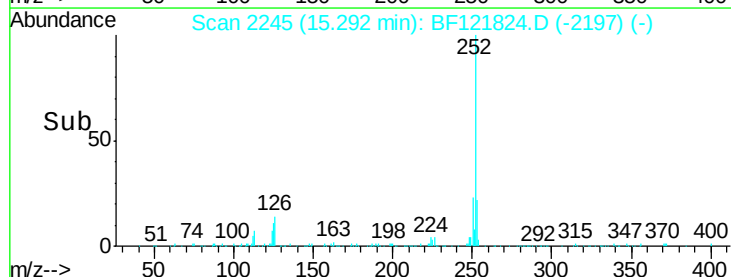
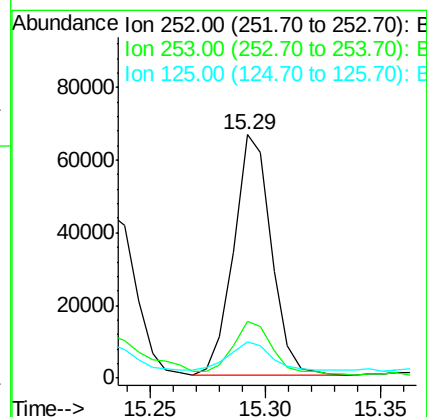
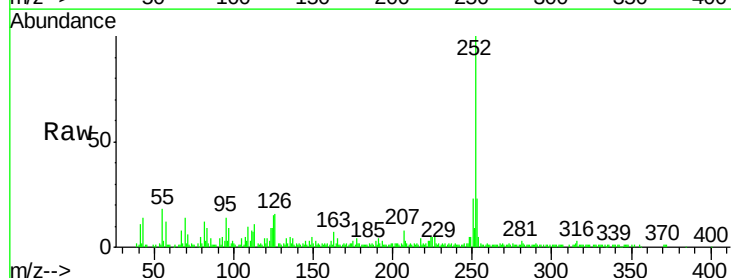
RT: 15.29 min Scan# 2245

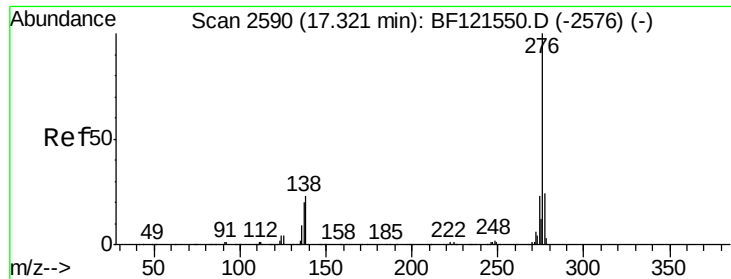
Delta R.T. -0.02 min

Lab File: BF121824.D

Acq: 5 Oct 2020 18:47

Tgt Ion:	252	Resp:	75753
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.3	25.9
125	14.9	8.6	13.0#

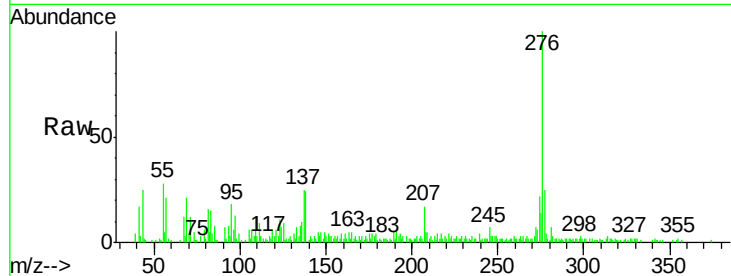




#92
 Benzo(a,h,i)perylene
 Concen: 4.070 ng
 RT: 17.19 min Scan# 2568
 Delta R.T. -0.02 min
 Lab File: BF121824.D
 Acq: 5 Oct 2020 18:47

Instrument :
 BNA_F
 ClientSampleId :
 DUP-4

Tot Ion:	276	Resp:	53936
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.2
138	24.0	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

