

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121831.D
 Acq On : 5 Oct 2020 22:25
 Operator : JU/CG
 Sample : L3872-13 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-093020

Quant Time: Oct 06 00:23:17 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

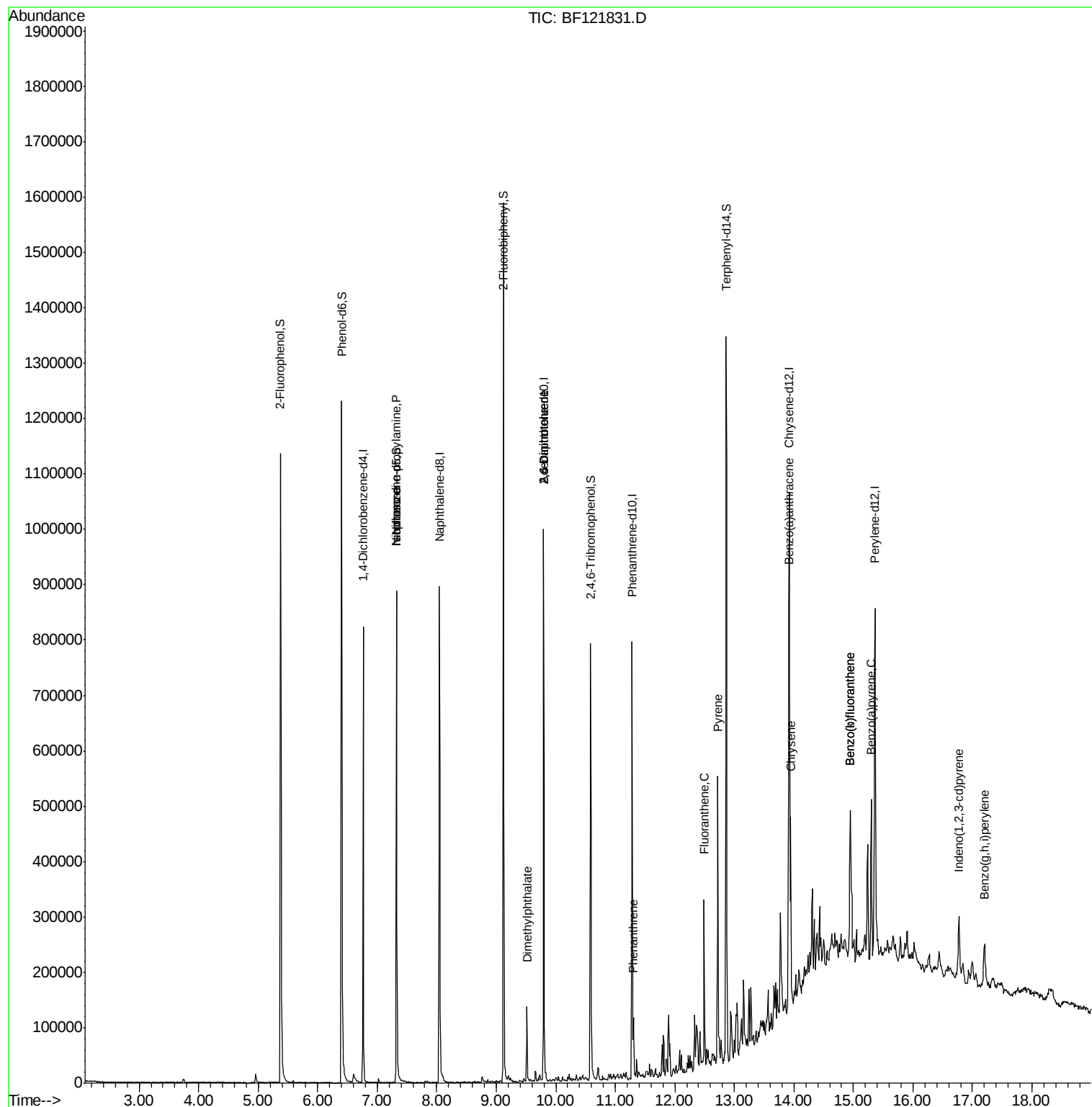
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	106564	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	393240	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	179335	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	292357	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	270578	20.00	ng	-0.01
86) Perylene-d12	15.36	264	267394	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	352067	49.10	ng	0.00
7) Phenol-d6	6.40	99	442178	47.00	ng	-0.01
23) Nitrobenzene-d5	7.33	82	286898	39.17	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	95451	42.82	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	487211	41.15	ng	-0.01
79) Terphenyl-d14	12.86	244	380969	28.52	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	37702	6.954	ng	# 79
25) Isophorone	7.33	82	286893	19.459	ng	# 67
50) Dimethylphthalate	9.52	163	50168	3.860	ng	100
51) 2,6-Dinitrotoluene	9.80	165	23186	8.376	ng	# 21
57) 2,4-Dinitrotoluene	9.80	165	23186	6.658	ng	# 20
71) Phenanthrene	11.30	178	36252	2.276	ng	97
75) Fluoranthene	12.49	202	107860	6.343	ng	100
78) Pyrene	12.72	202	195555	9.892	ng	99
81) Benzo(a)anthracene	13.91	228	119311	6.970	ng	98
83) Chrysene	13.94	228	131406	7.581	ng	97
87) Indeno(1,2,3-cd)pyrene	16.77	276	61861	3.552	ng	97
88) Benzo(b)fluoranthene	14.95	252	184863	10.342	ng	# 96
89) Benzo(k)fluoranthene	14.95	252	184863	11.293	ng	# 97
90) Benzo(a)pyrene	15.30	252	129826	8.544	ng	# 96
92) Benzo(a,h,i)perylene	17.20	276	63010	4.422	ng	98

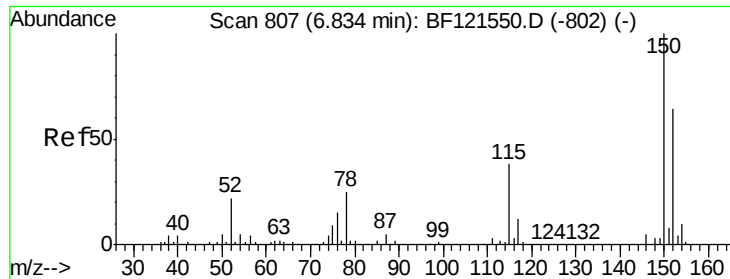
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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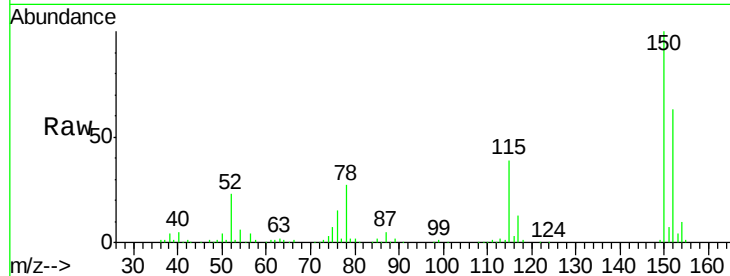


#1

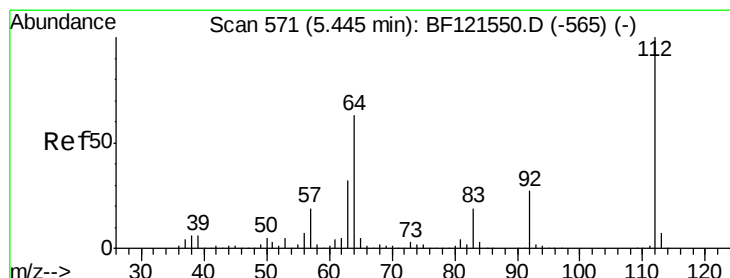
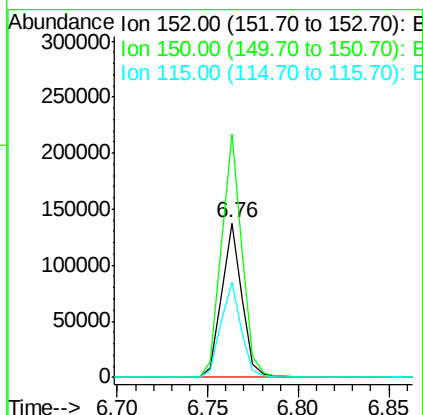
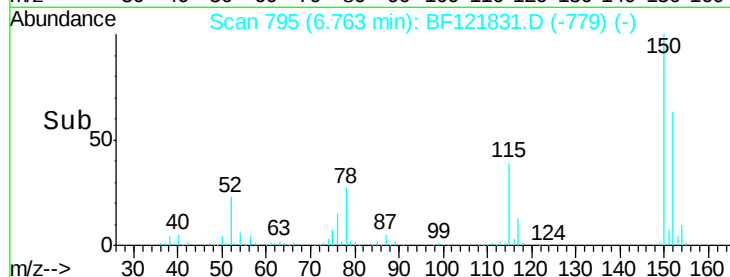
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

Instrument :
BNA_F
ClientSampleId :
BU-03-093020

Tot Ion:152 Resp: 106564
Ion Ratio Lower Upper
152 100
150 158.0 125.3 187.9
115 61.9 51.9 77.9



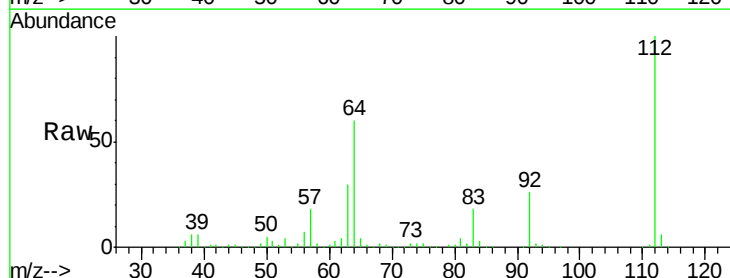
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



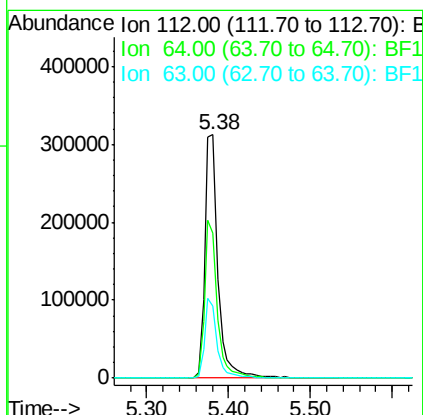
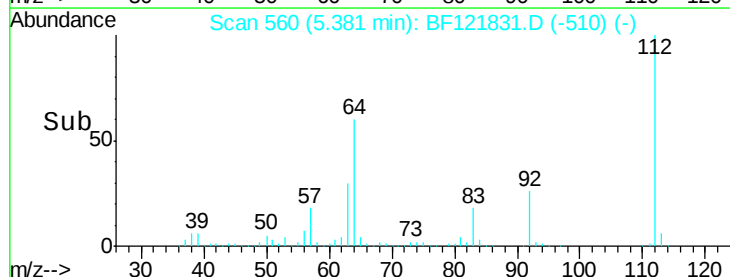
#5

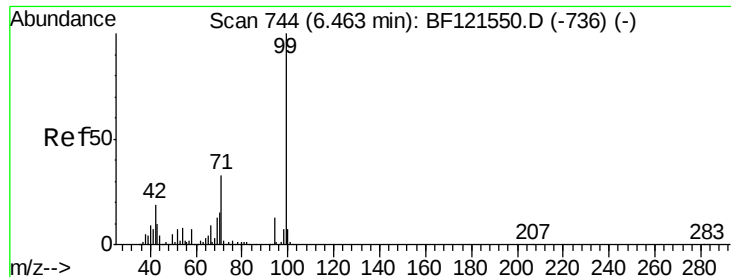
2-Fluorophenol
Concen: 49.099 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

Tgt Ion:112 Resp: 352067
Ion Ratio Lower Upper
112 100
64 59.6 50.4 75.6
63 29.8 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: 47.003 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

Instrument :

BNA_F

ClientSampleId :

BU-03-093020

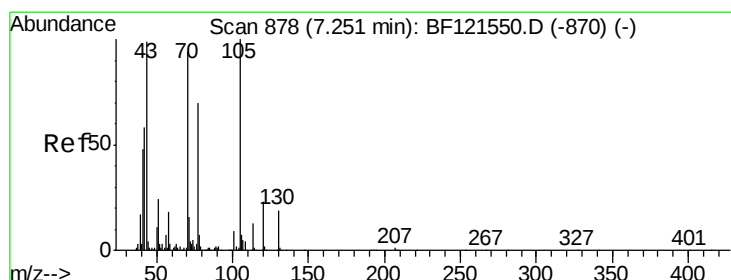
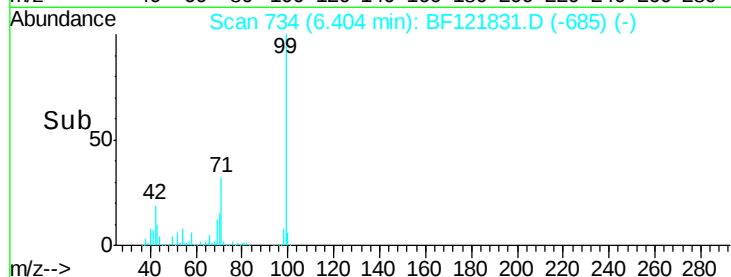
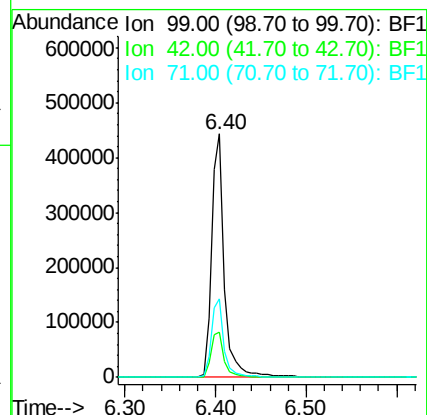
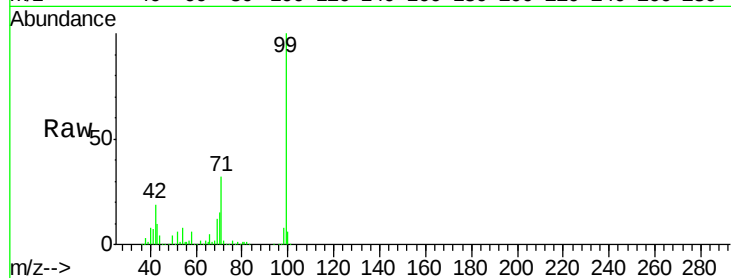
Tot Ion: 99 Resp: 442178

Ion Ratio Lower Upper

99 100

42 18.7 15.9 23.9

71 32.0 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 6.954 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

Tgt Ion: 70 Resp: 37702

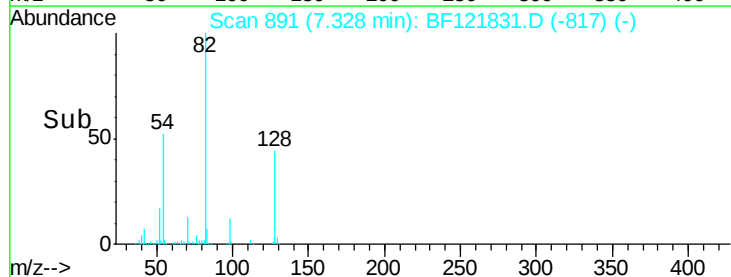
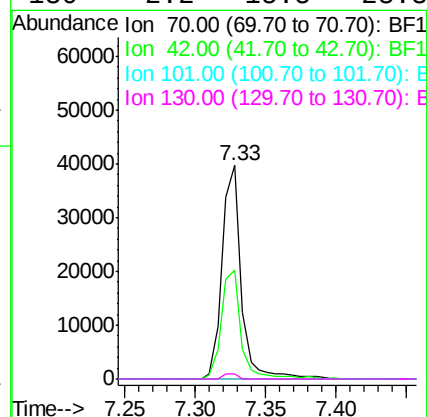
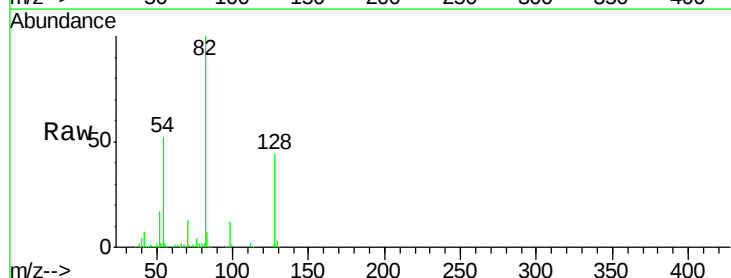
Ion Ratio Lower Upper

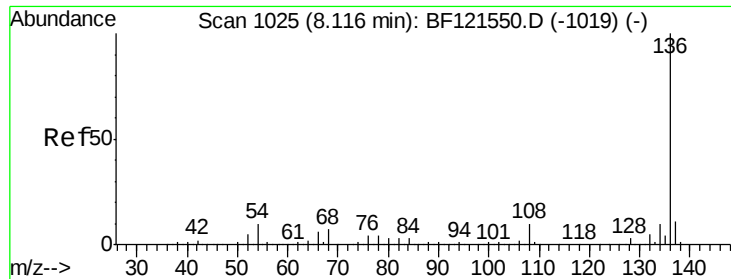
70 100

42 51.1 50.2 75.4

101 0.0 7.5 11.3#

130 2.2 15.5 23.3#

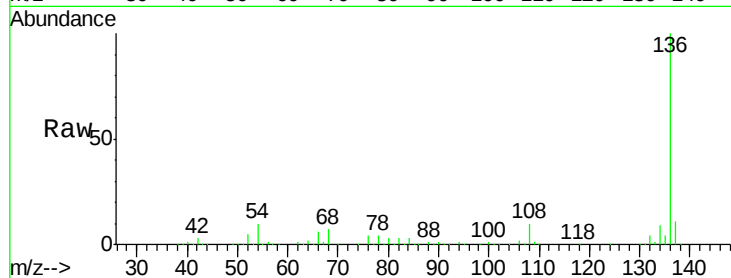




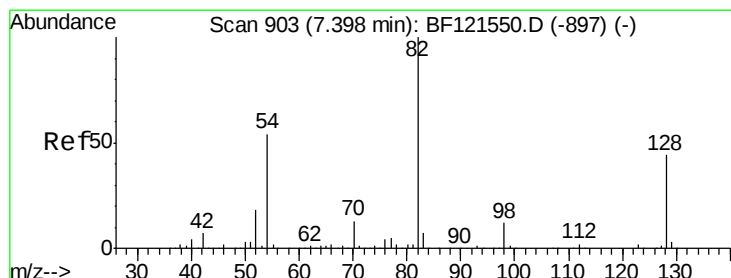
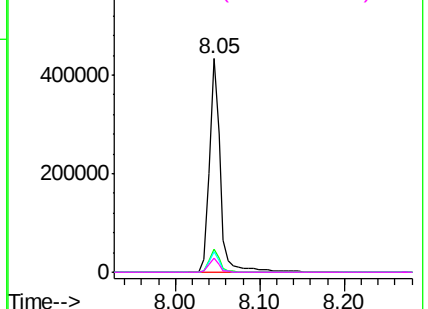
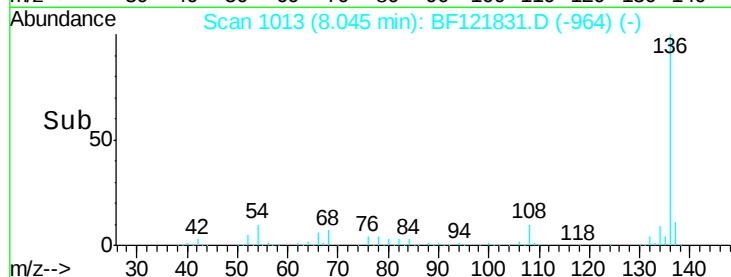
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

Instrument :
BNA_F
ClientSampleId :
BU-03-093020

Tot Ion:136 Resp: 393240
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.8 7.1 10.7
68 6.6 5.0 7.4

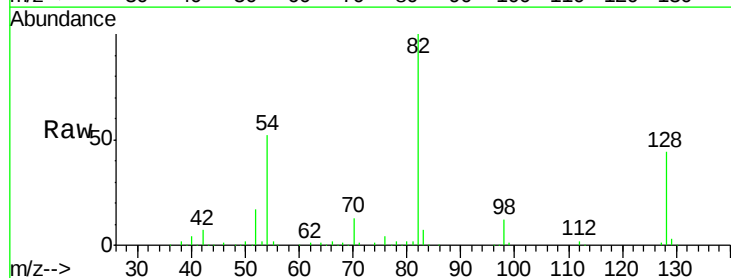


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

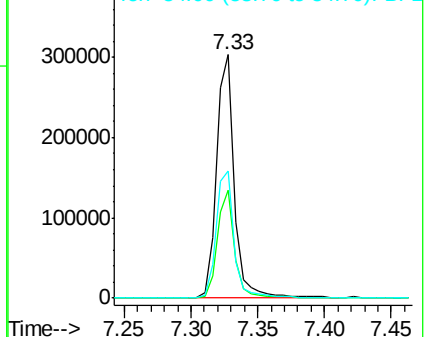
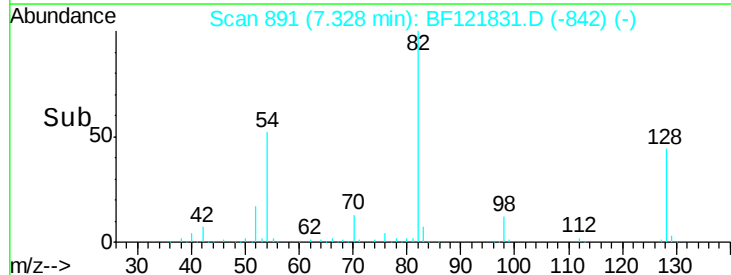


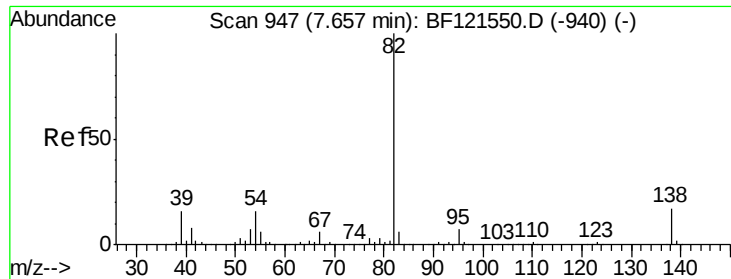
#23
Nitrobenzene-d5
Concen: 39.172 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

Tgt Ion: 82 Resp: 286898
Ion Ratio Lower Upper
82 100
128 44.4 35.0 52.4
54 52.3 43.9 65.9



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

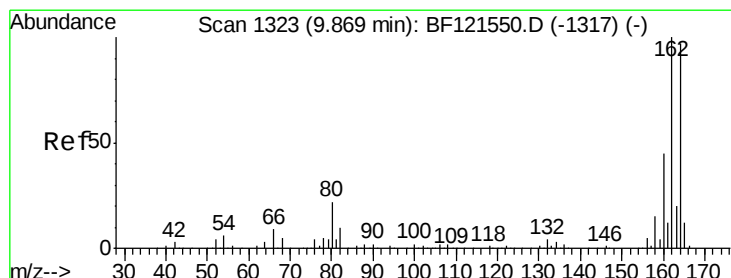
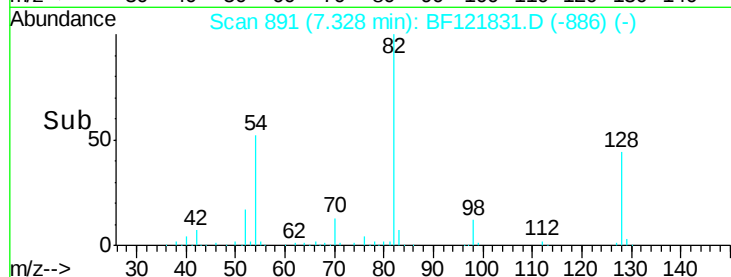
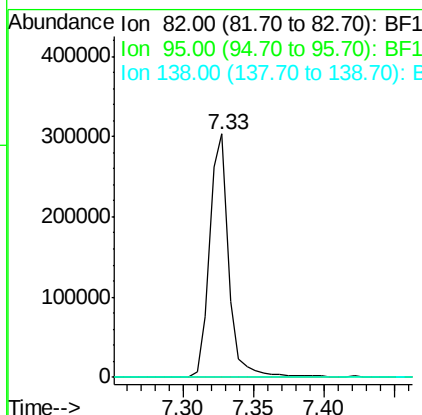
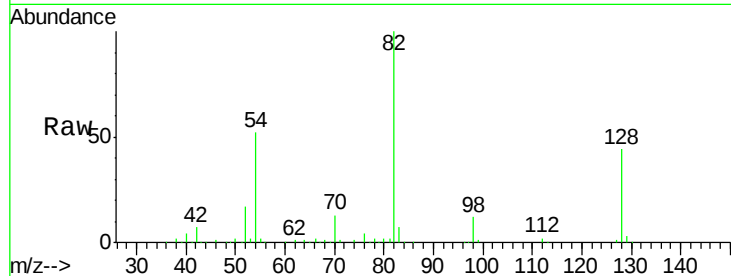




#25
Isophorone
Concen: 19.459 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.27 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

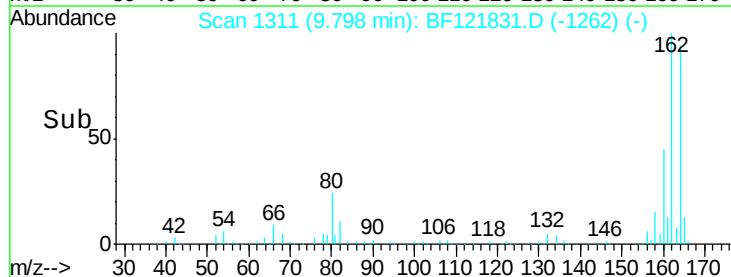
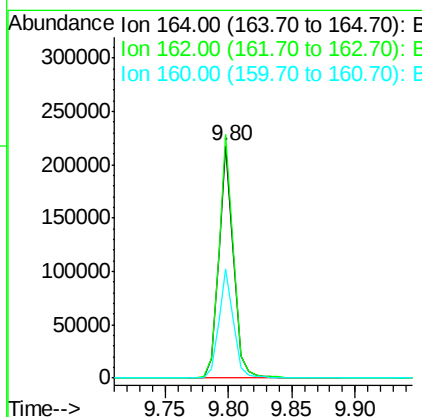
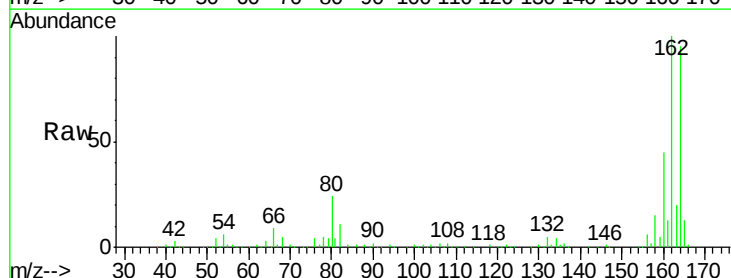
Instrument :
BNA_F
ClientSampleId :
BU-03-093020

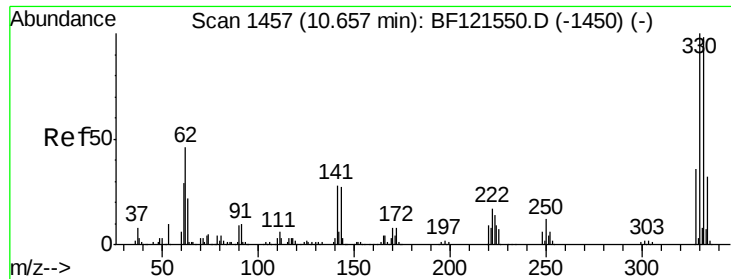
Tot Ion: 82 Resp: 286893
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

Tgt Ion: 164 Resp: 179335
Ion Ratio Lower Upper
164 100
162 104.8 83.2 124.8
160 47.1 37.5 56.3





#42

2,4,6-Tribromophenol

Concen: 42.824 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

Instrument :

BNA_F

ClientSampleId :

BU-03-093020

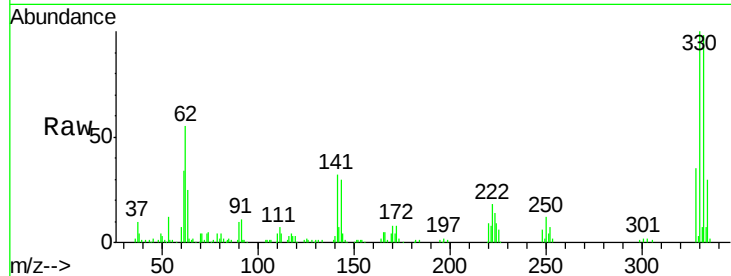
Tot Ion:330 Resp: 95451

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

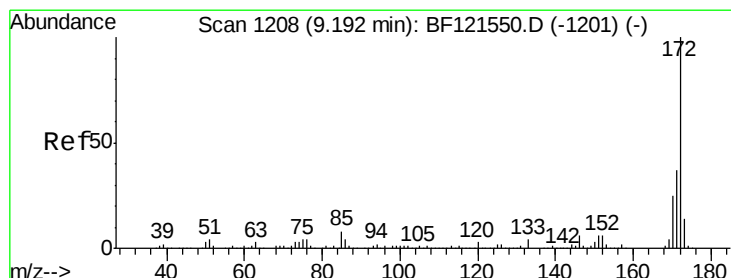
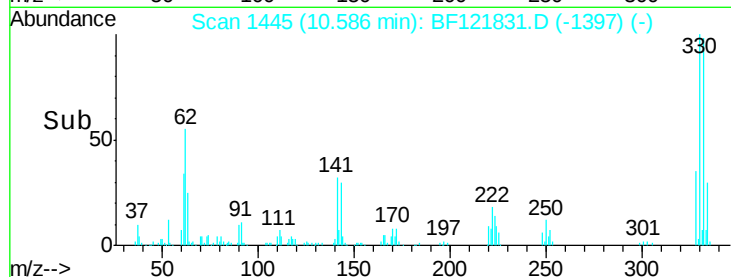
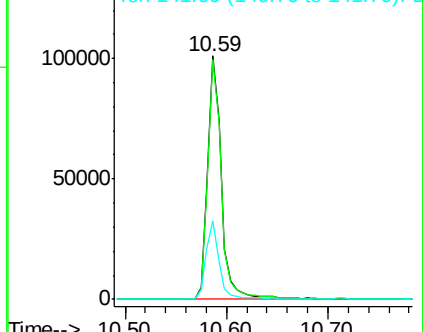
141 31.4 22.3 33.5



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: 41.146 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

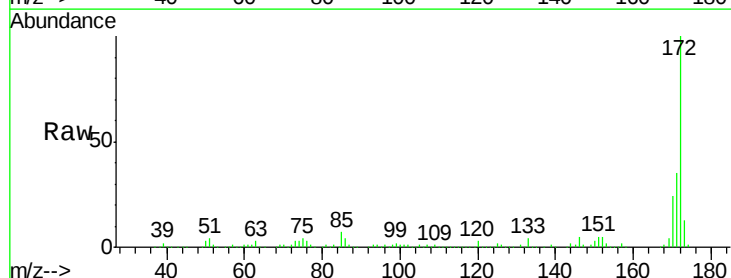
Tgt Ion:172 Resp: 487211

Ion Ratio Lower Upper

172 100

171 35.1 29.1 43.7

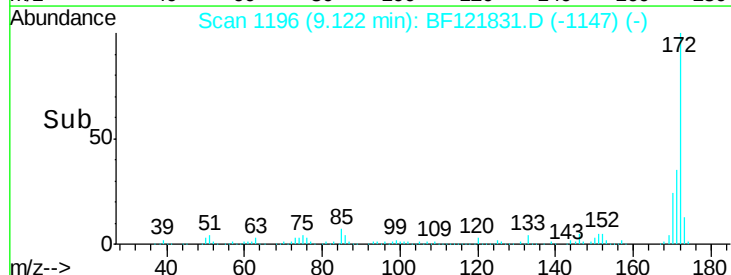
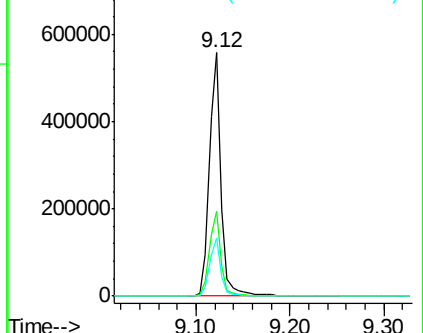
170 23.9 19.8 29.6

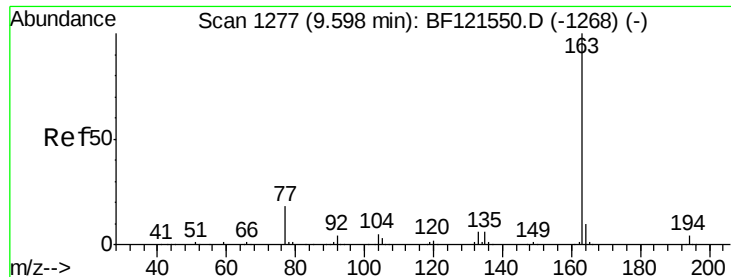


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.860 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

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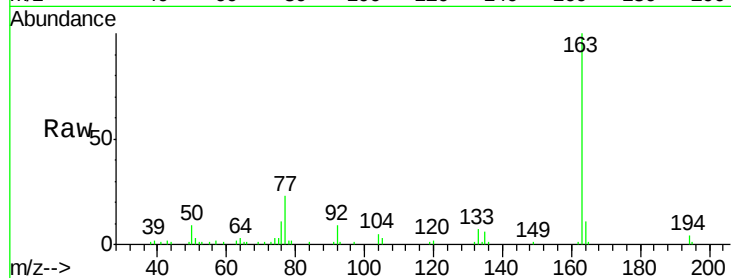
Tot Ion:163 Resp: 50168

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

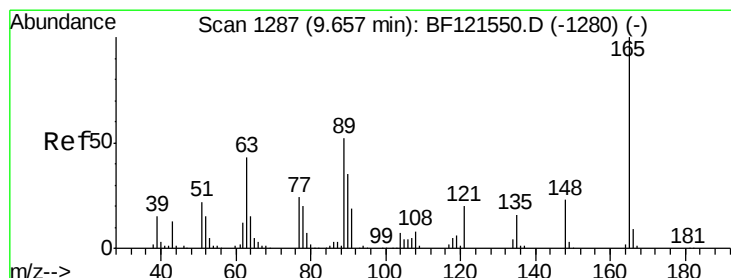
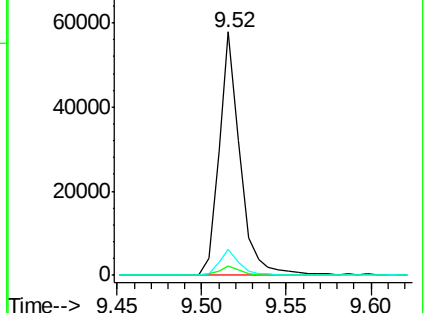
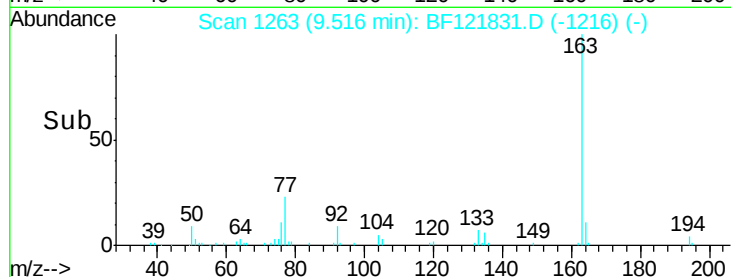
164 10.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.376 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.20 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

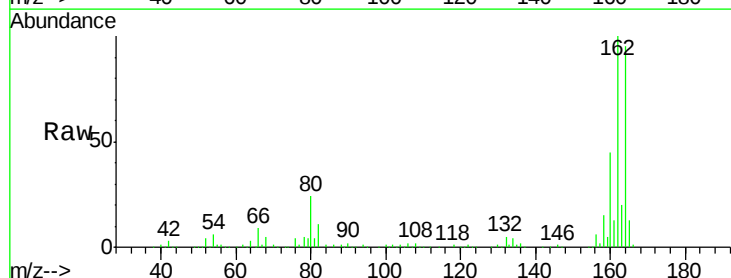
Tgt Ion:165 Resp: 23186

Ion Ratio Lower Upper

165 100

63 1.6 51.8 77.6#

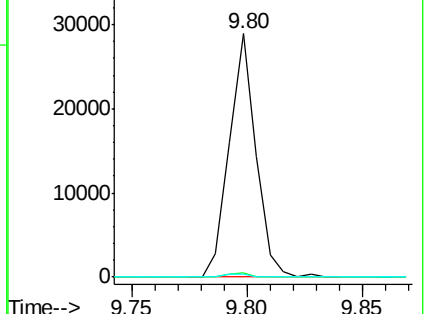
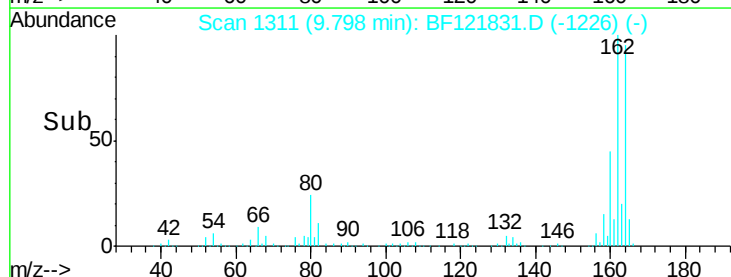
89 1.3 49.0 73.6#

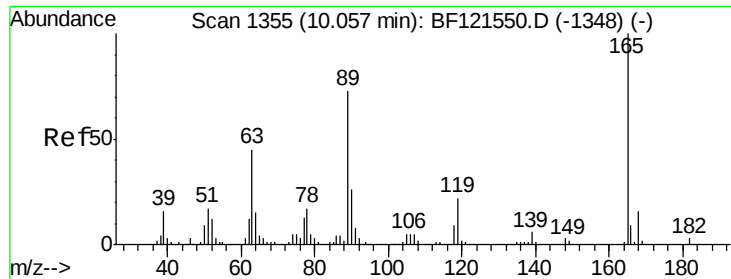


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

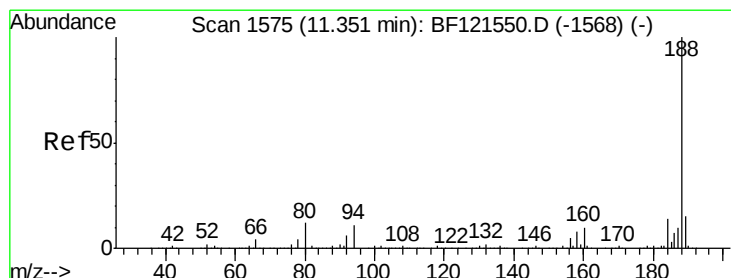
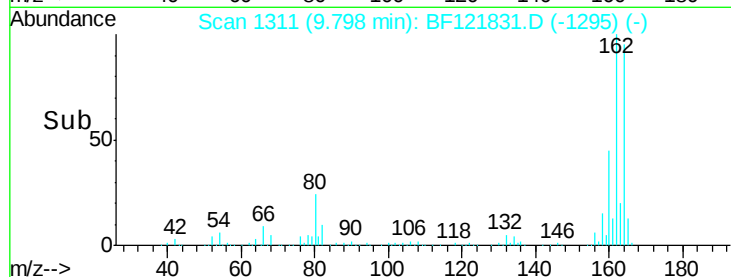
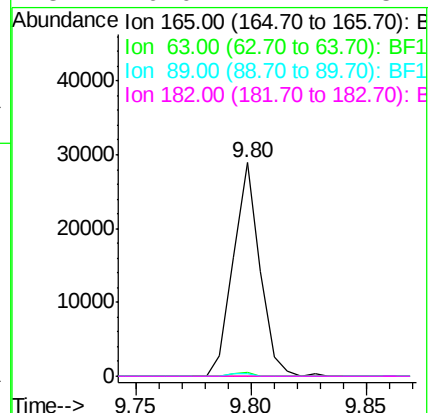
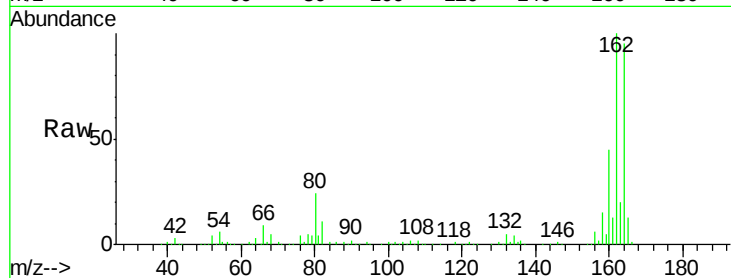




#57
 2,4-Dinitrotoluene
 Concen: 6.658 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF121831.D
 Acq: 5 Oct 2020 22:25

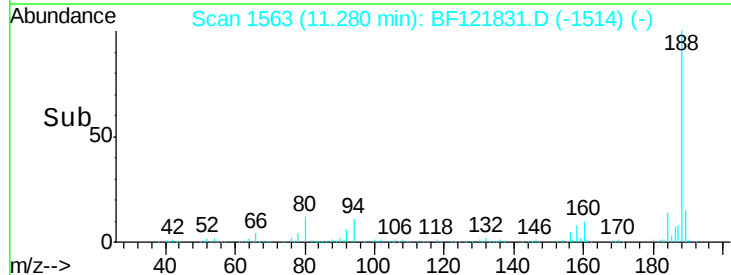
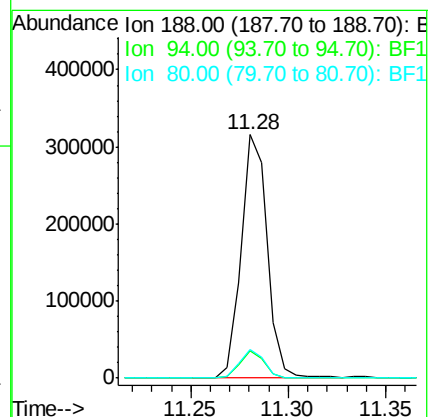
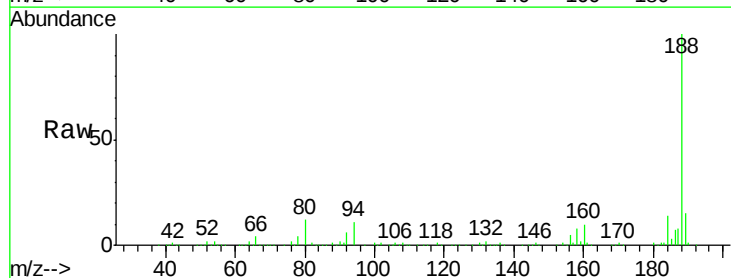
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-093020

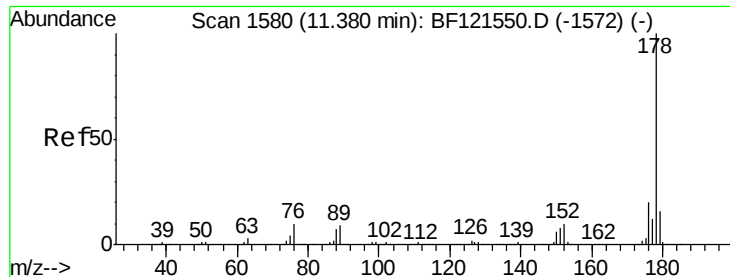
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.3	61.9#
89	1.3	61.8	92.8#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121831.D
 Acq: 5 Oct 2020 22:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.3	12.5
80	12.0	9.1	13.7





#71

Phenanthrene

Concen: 2.276 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

Instrument :

BNA_F

ClientSampleId :

BU-03-093020

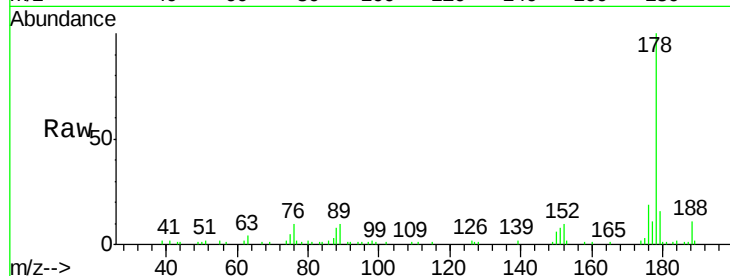
Tot Ion:178 Resp: 36252

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

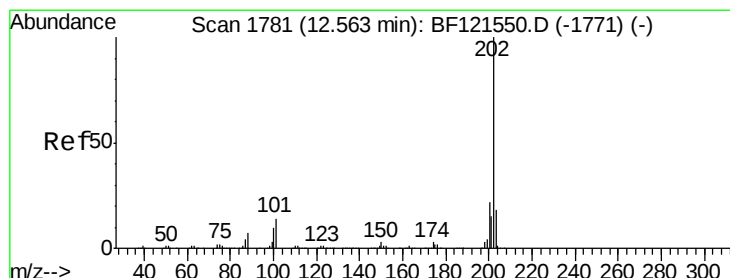
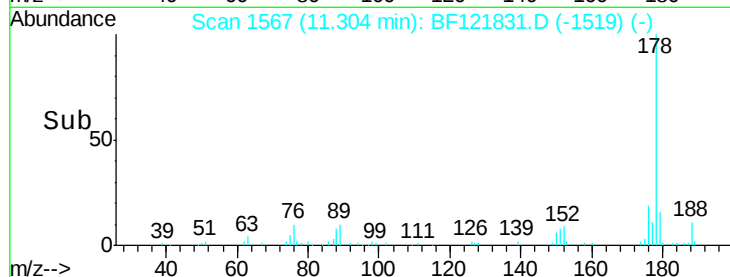
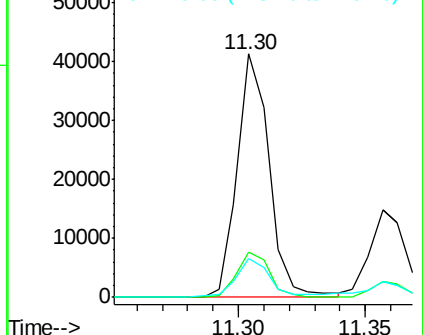
179 16.1 12.2 18.4



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: 6.343 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

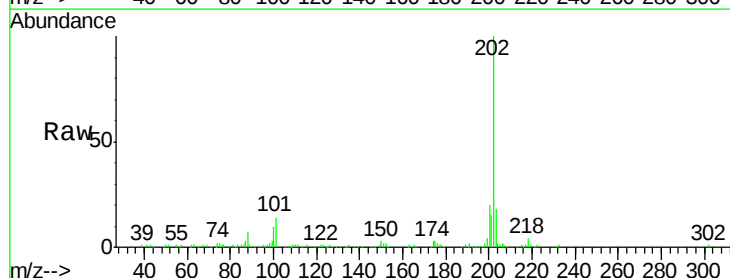
Tgt Ion:202 Resp: 107860

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.4

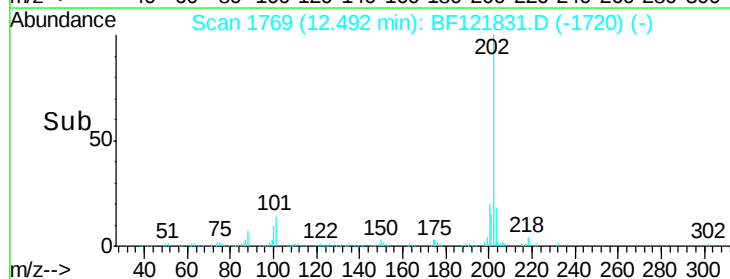
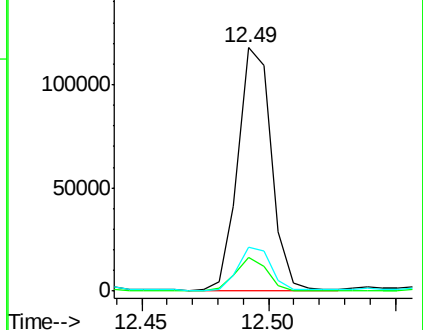
203 17.9 0.0 37.9

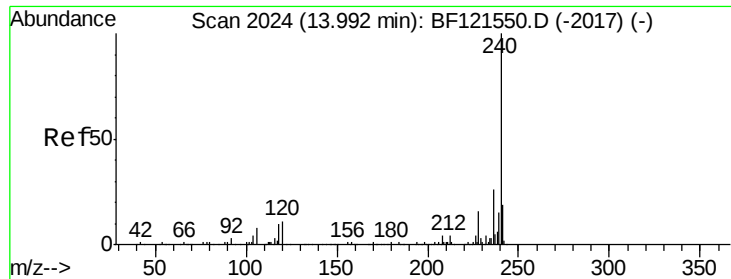


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

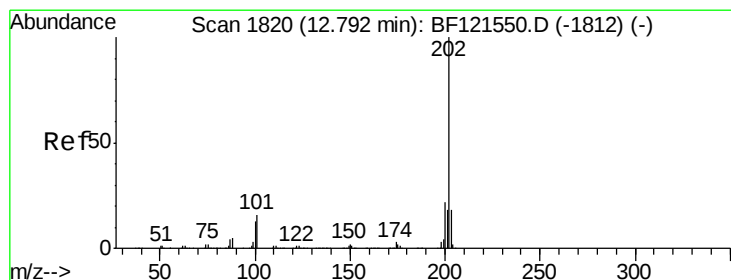
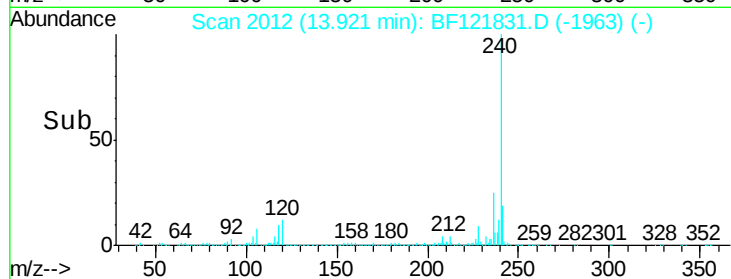
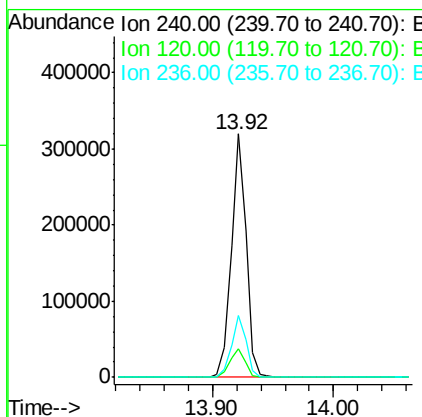
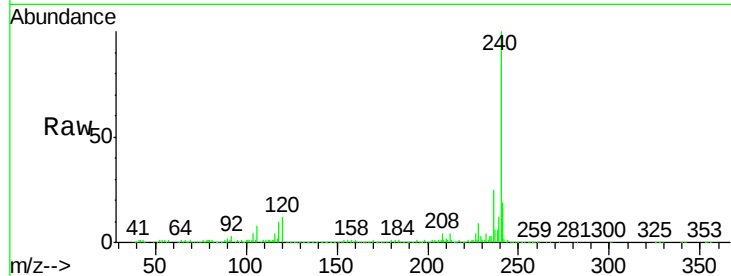




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

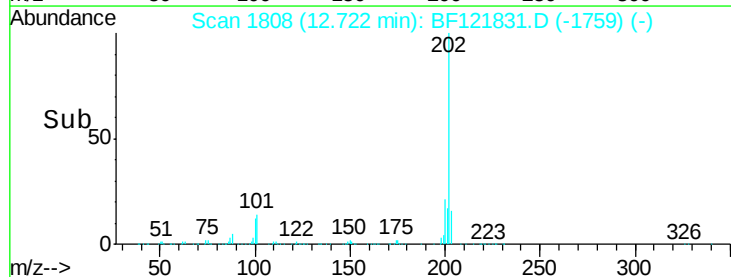
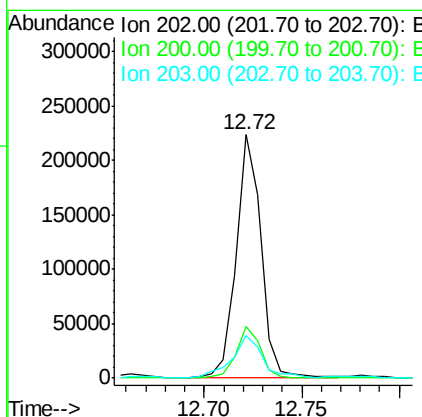
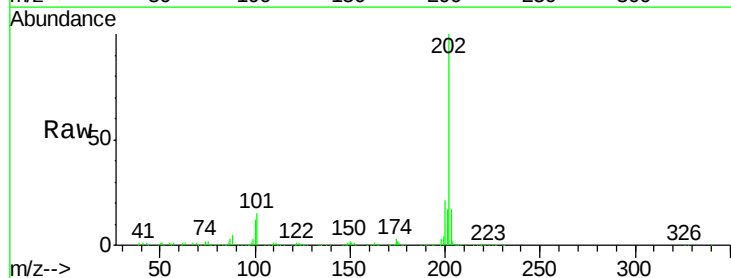
Instrument :
BNA_F
ClientSampleId :
BU-03-093020

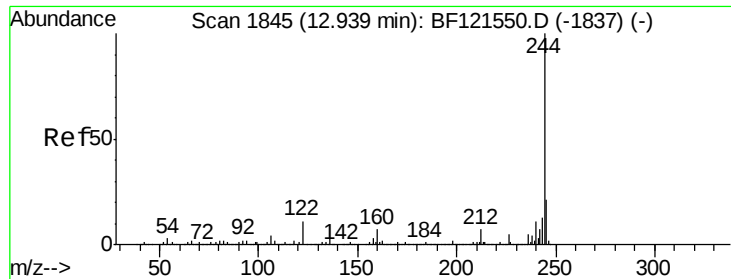
Tot Ion:240 Resp: 270578
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 25.4 20.9 31.3



#78
Pyrene
Concen: 9.892 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

Tgt Ion:202 Resp: 195555
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.5 14.6 21.8





#79

Terphenyl-d14

Concen: 28.524 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

Instrument :

BNA_F

ClientSampleId :

BU-03-093020

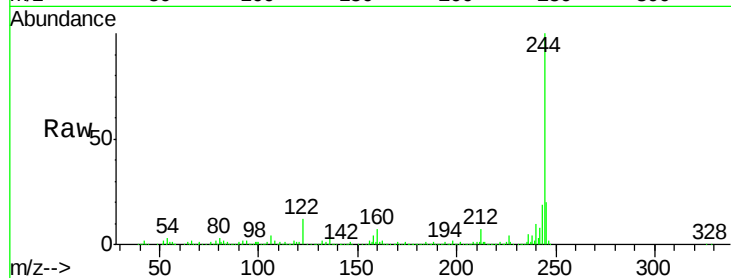
Tot Ion:244 Resp: 380969

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

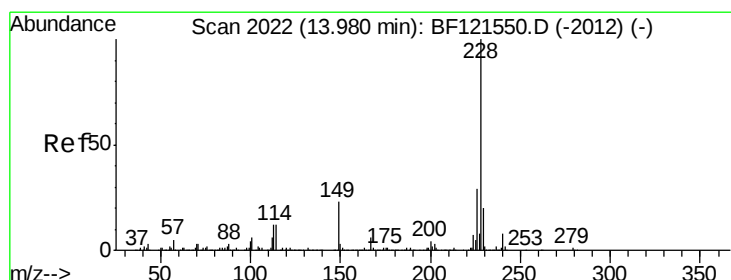
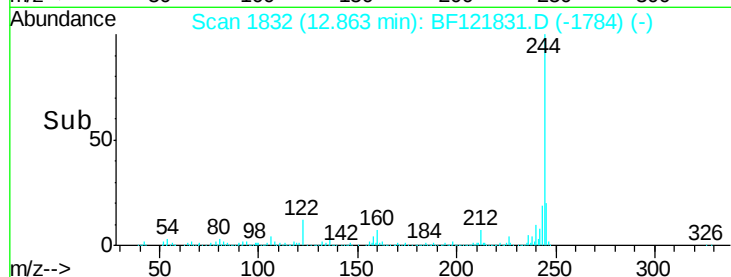
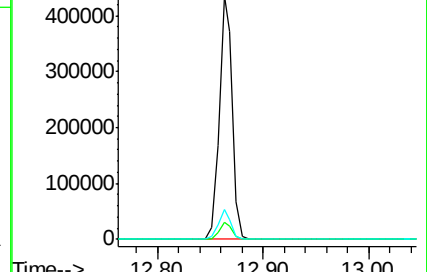
122 12.5 8.1 12.1#



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



#81

Benzo(a)anthracene

Concen: 6.970 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121831.D

Acq: 5 Oct 2020 22:25

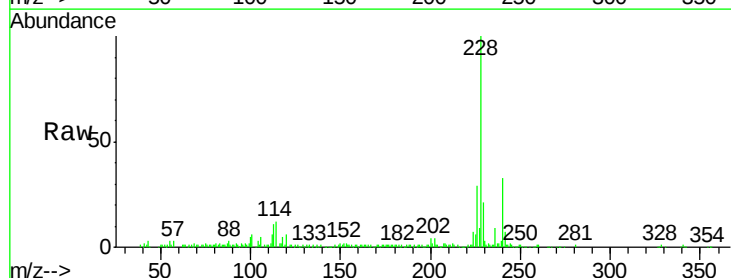
Tgt Ion:228 Resp: 119311

Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

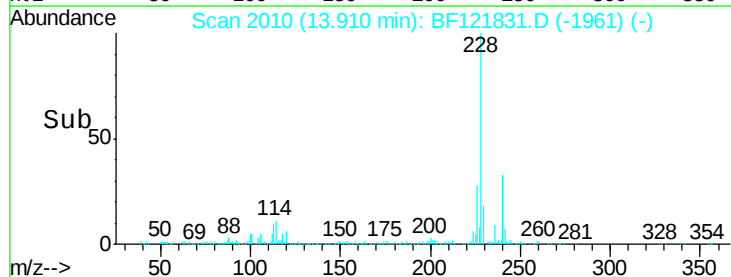
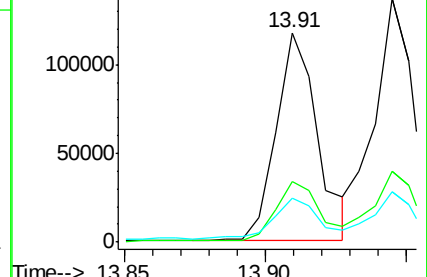
229 20.8 16.2 24.4

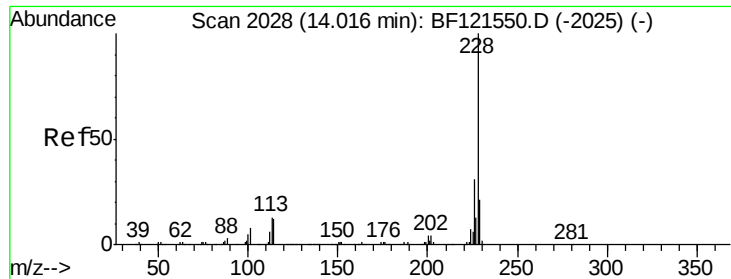


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

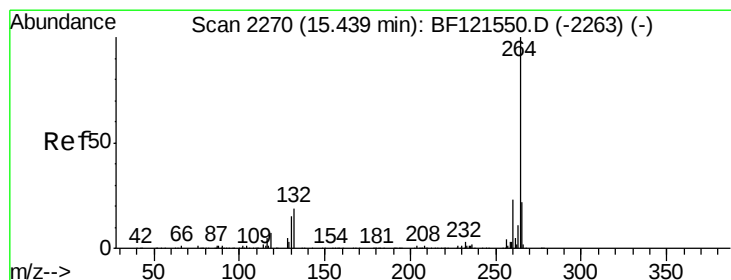
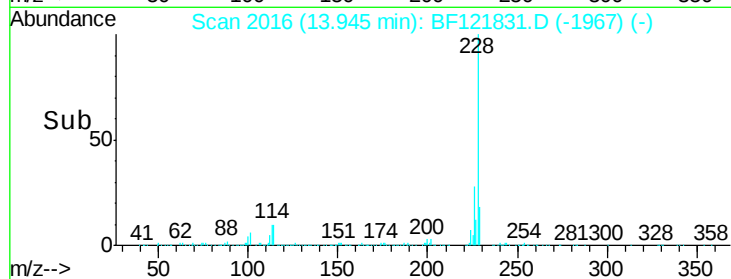
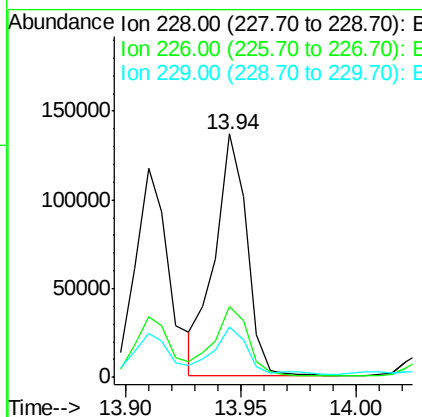
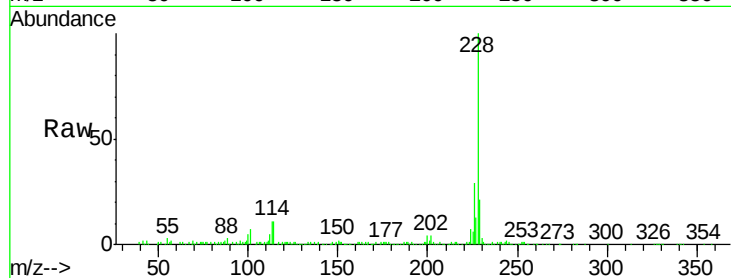




#83
Chrysene
Concen: 7.581 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

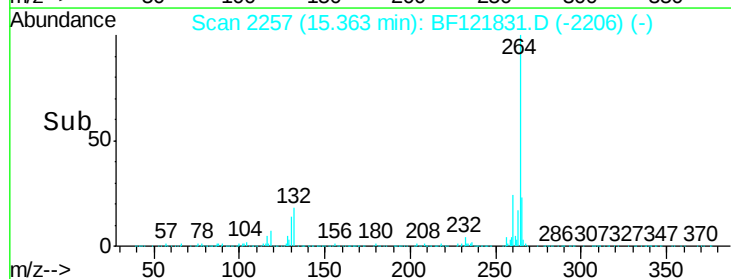
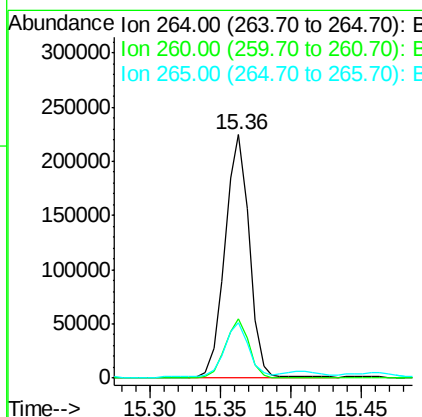
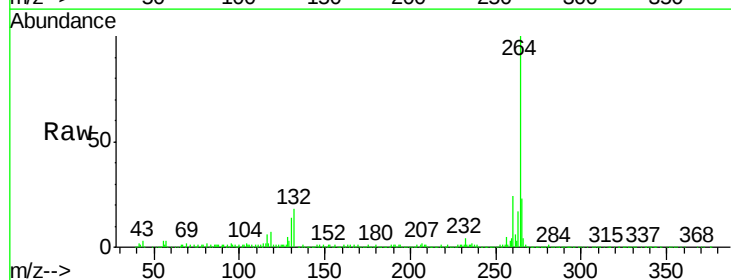
Instrument :
BNA_F
ClientSampleId :
BU-03-093020

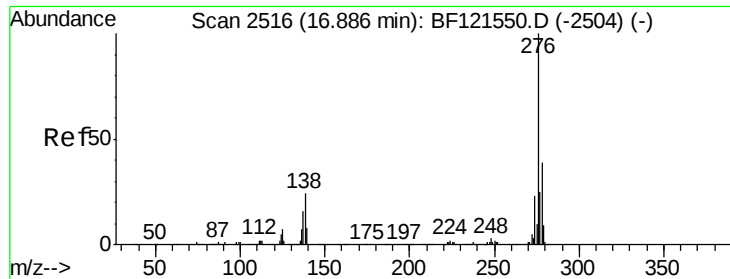
Tot Ion:228 Resp: 131406
Ion Ratio Lower Upper
228 100
226 29.0 24.6 37.0
229 20.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

Tgt Ion:264 Resp: 267394
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 23.0 17.3 25.9

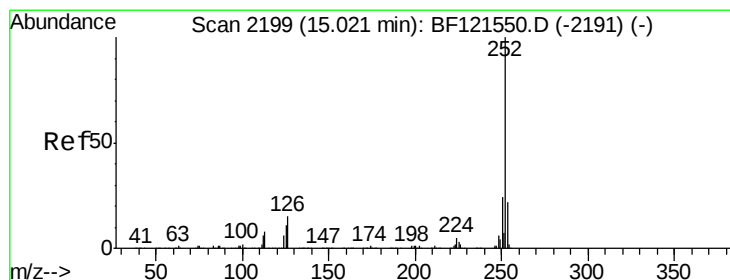
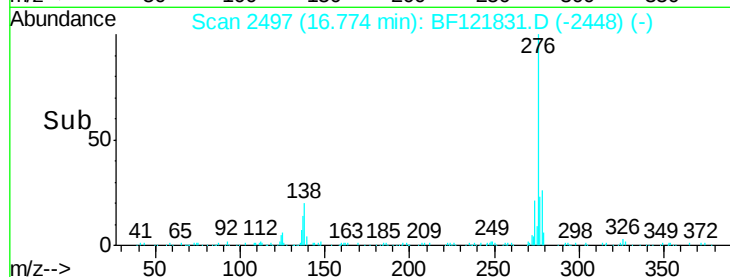
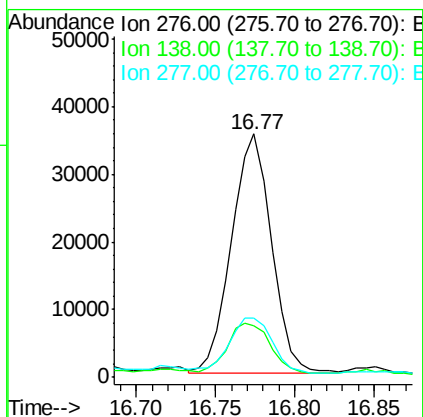
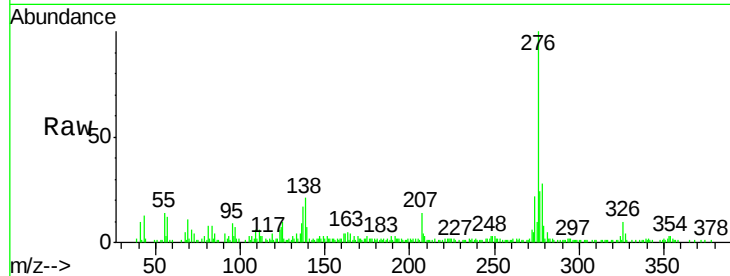




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.552 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BF121831.D
 Acq: 5 Oct 2020 22:25

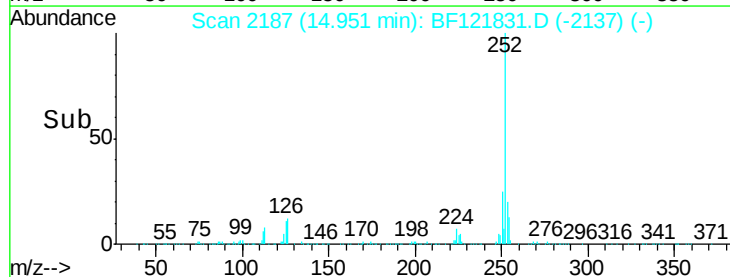
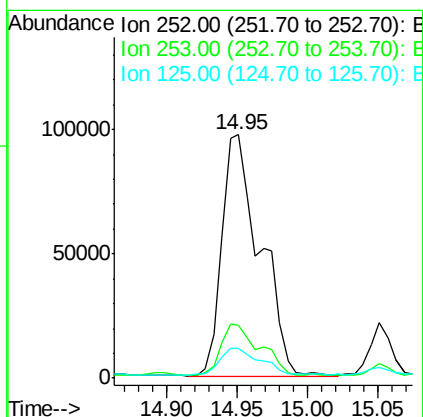
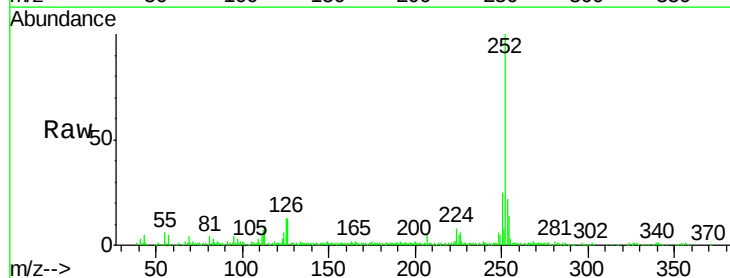
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-093020

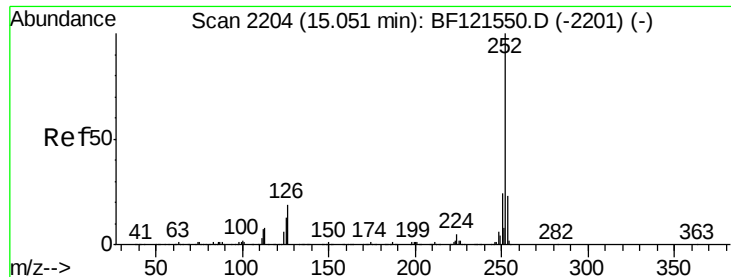
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.9	29.9
277	25.2	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 10.342 ng
 RT: 14.95 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BF121831.D
 Acq: 5 Oct 2020 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	12.5	8.0	12.0

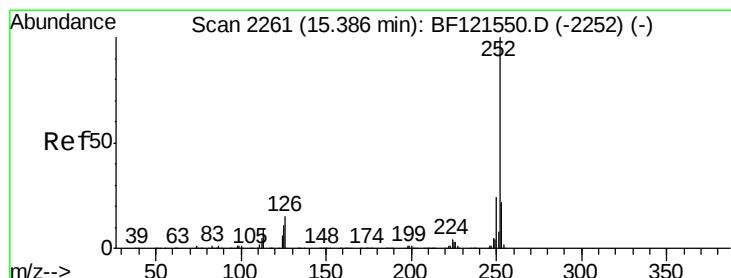
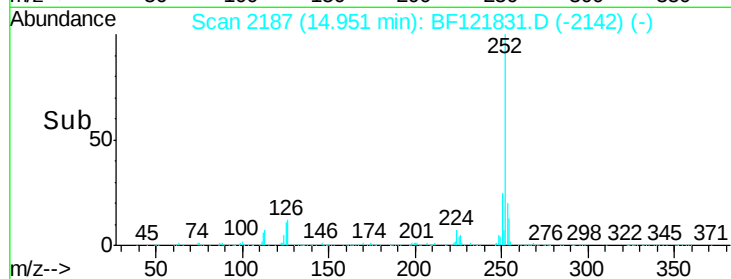
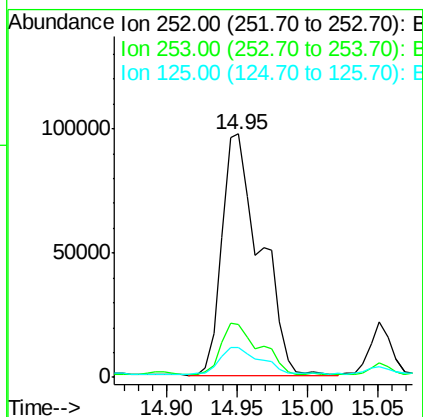
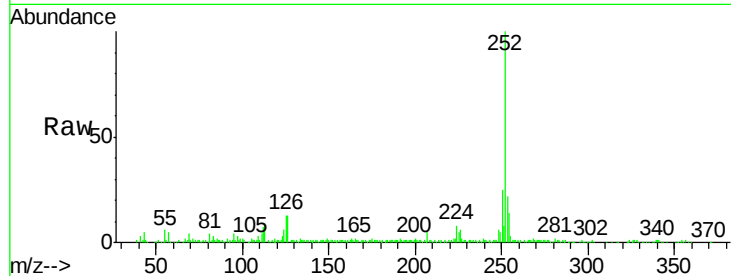




#89
Benzo(k)fluoranthene
Concen: 11.293 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

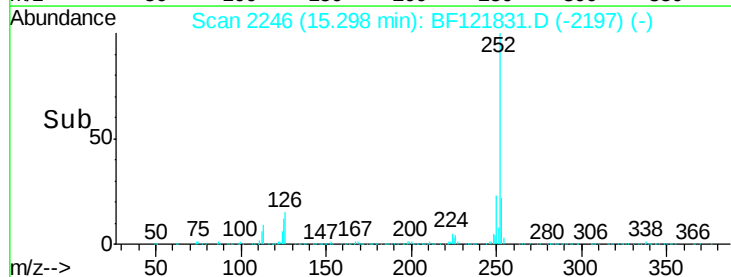
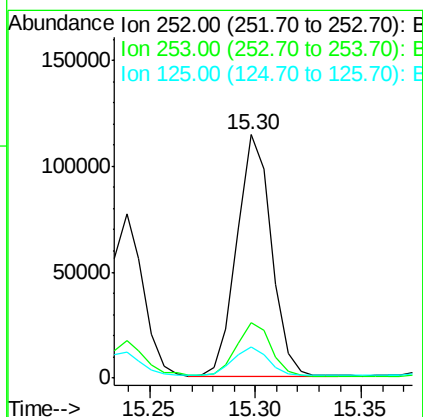
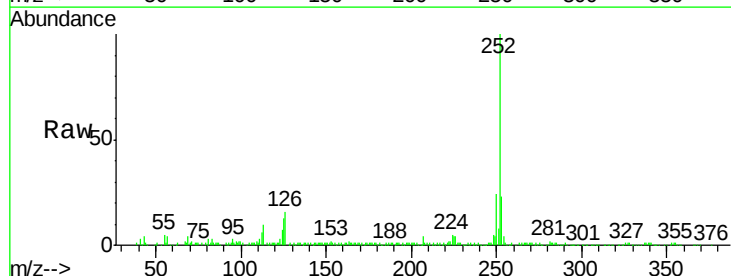
Instrument :
BNA_F
ClientSampleId :
BU-03-093020

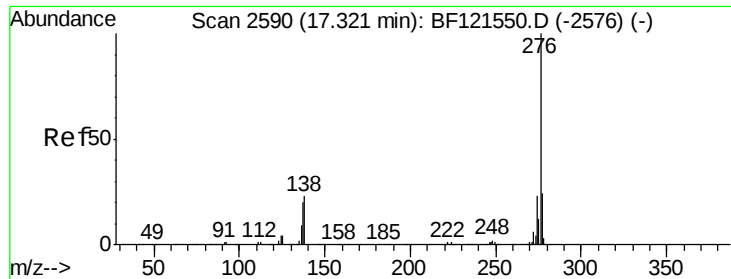
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	12.5	7.7	11.5



#90
Benzo(a)pyrene
Concen: 8.544 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121831.D
Acq: 5 Oct 2020 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	13.0	8.6	13.0





#92
 Benzo(a,h,i)perylene
 Concen: 4.422 ng
 RT: 17.20 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF121831.D
 Acq: 5 Oct 2020 22:25

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-093020

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.4	29.2
138	22.8	17.8	26.6

