

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121830.D
 Acq On : 5 Oct 2020 21:53
 Operator : JU/CG
 Sample : L4198-31 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-4

Quant Time: Oct 06 00:22:54 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

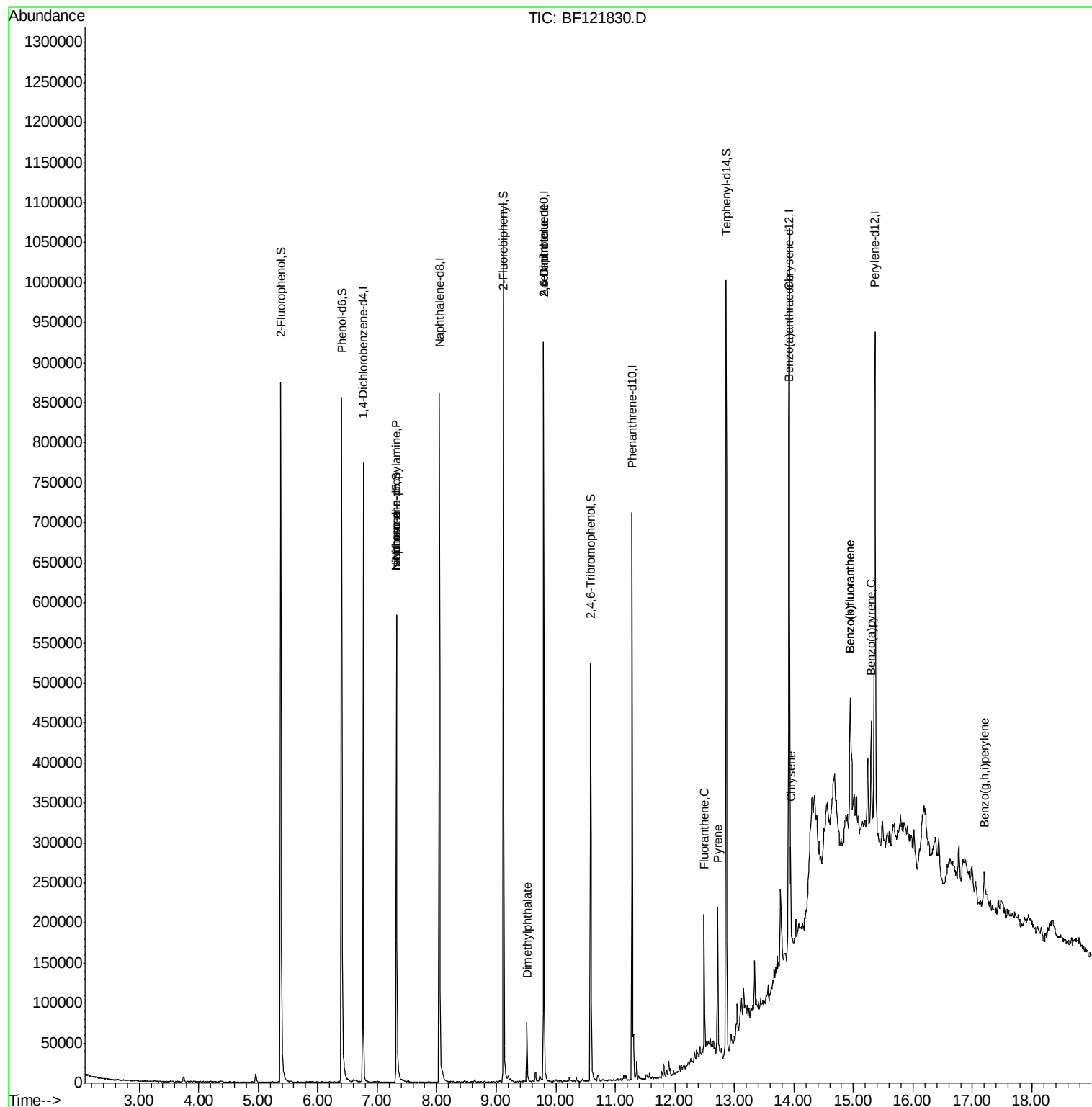
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	101251	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	376246	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	167454	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	271347	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	265388	20.00	ng	-0.01
86) Perylene-d12	15.36	264	262801	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	265373	38.95	ng	0.00
7) Phenol-d6	6.40	99	323736	36.22	ng	-0.01
23) Nitrobenzene-d5	7.32	82	207758	29.65	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	65976	31.70	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	354282	32.04	ng	-0.01
79) Terphenyl-d14	12.86	244	280528	21.41	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	27112	5.263	ng	# 81
25) Isophorone	7.32	82	207756	14.728	ng	# 67
50) Dimethylphthalate	9.52	163	32077	2.643	ng	100
51) 2,6-Dinitrotoluene	9.80	165	21293	8.238	ng	# 21
57) 2,4-Dinitrotoluene	9.80	165	21293	6.548	ng	# 21
75) Fluoranthene	12.49	202	66370	4.205	ng	98
78) Pyrene	12.72	202	69655	3.592	ng	98
81) Benzo(a)anthracene	13.91	228	55235	3.290	ng	99
83) Chrysene	13.94	228	44756	2.632	ng	96
88) Benzo(b)fluoranthene	14.94	252	107906	6.142	ng	# 94
89) Benzo(k)fluoranthene	14.94	252	107906	6.707	ng	# 93
90) Benzo(a)pyrene	15.30	252	55182	3.695	ng	# 92
92) Benzo(a,h,i)perylene	17.20	276	29181	2.084	ng	97

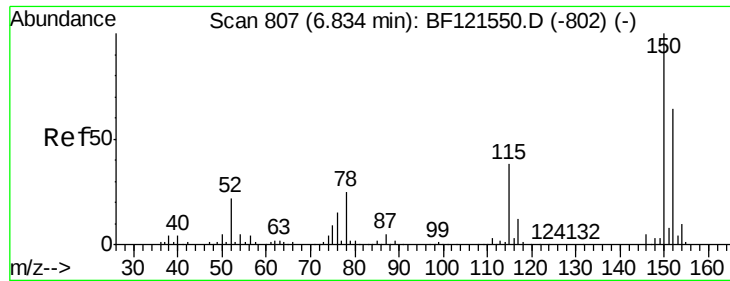
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

BNA_F

ClientSampleId :

RO-4

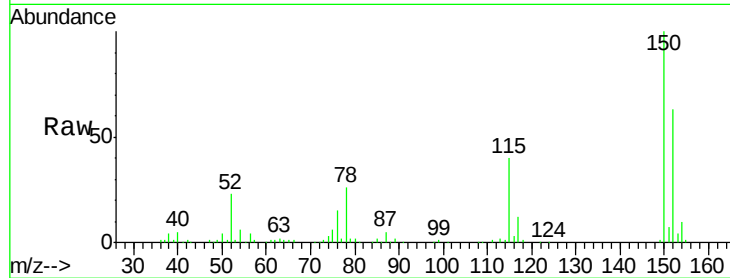
Tot Ion:152 Resp: 101251

Ion Ratio Lower Upper

152 100

150 159.2 125.3 187.9

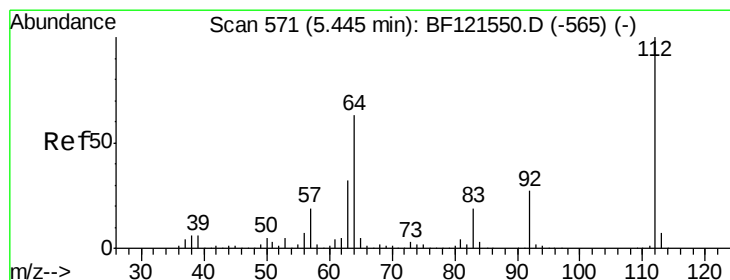
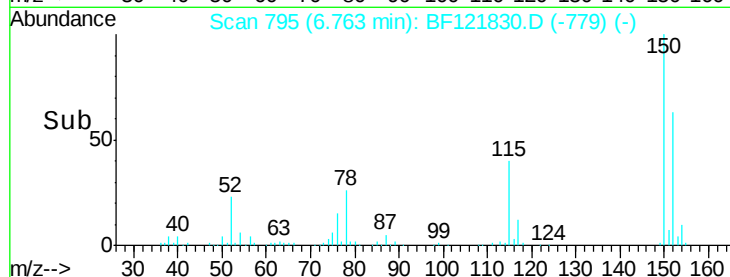
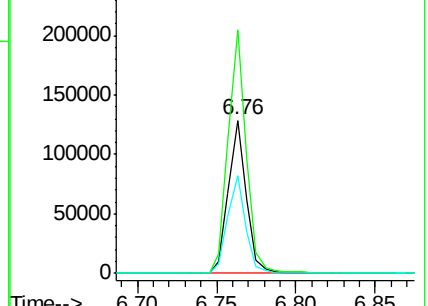
115 63.9 51.9 77.9



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: 38.950 ng

RT: 5.38 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

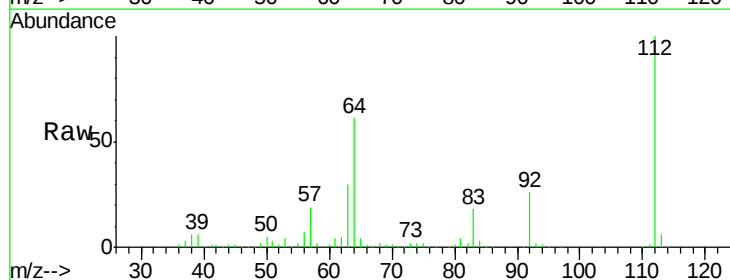
Tgt Ion:112 Resp: 265373

Ion Ratio Lower Upper

112 100

64 61.0 50.4 75.6

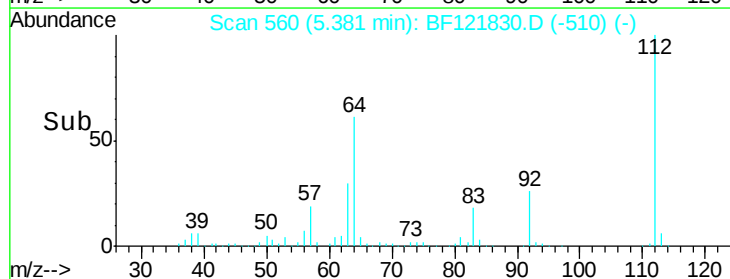
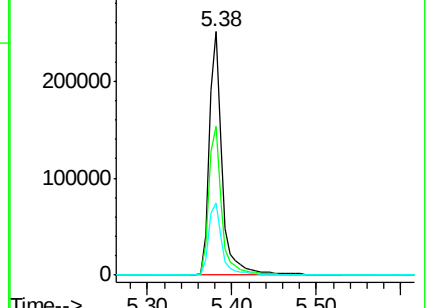
63 29.7 25.8 38.6

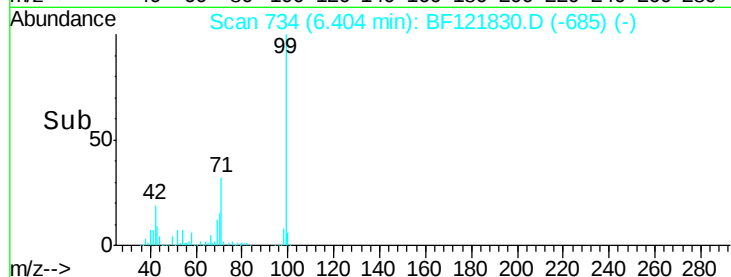
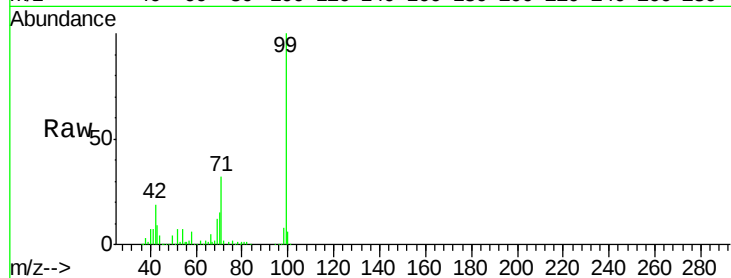


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 36.219 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

BNA_F

ClientSampleId :

RO-4

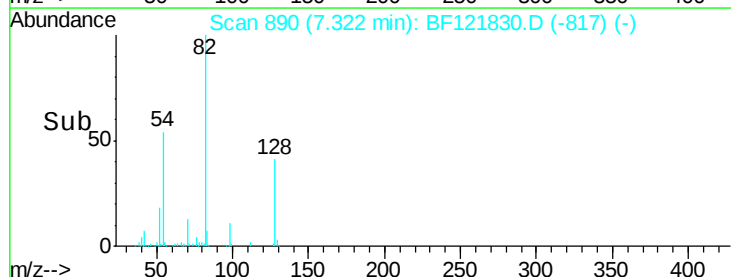
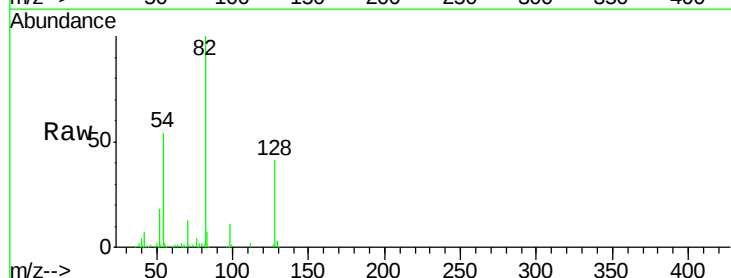
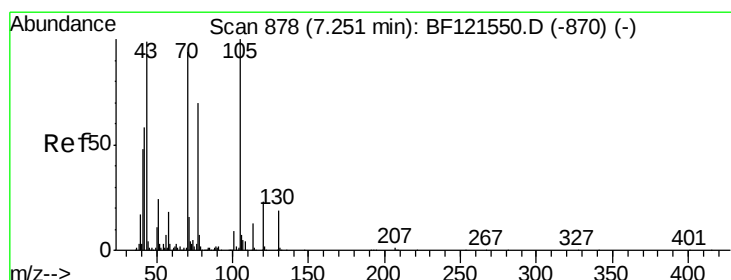
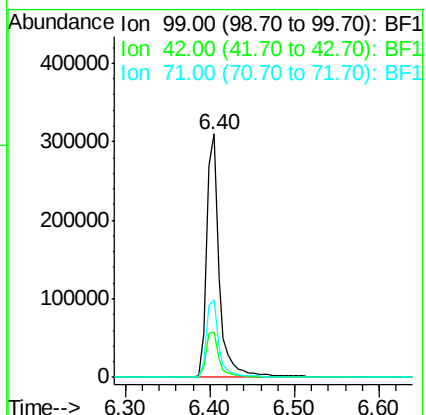
Tot Ion: 99 Resp: 323736

Ion Ratio Lower Upper

99 100

42 18.7 15.9 23.9

71 31.5 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.263 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

Tgt Ion: 70 Resp: 27112

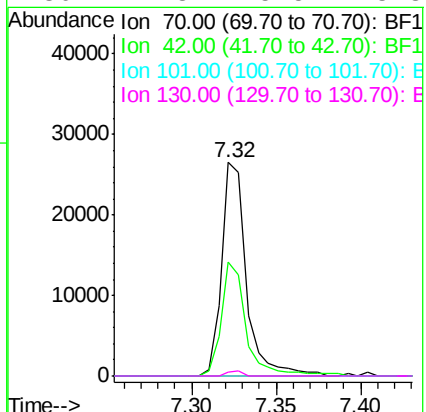
Ion Ratio Lower Upper

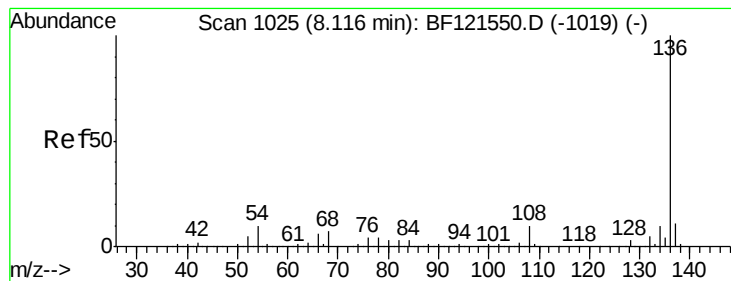
70 100

42 53.4 50.2 75.4

101 0.0 7.5 11.3#

130 1.8 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: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

BNA_F

ClientSampleId :

RO-4

Tot Ion:136 Resp: 376246

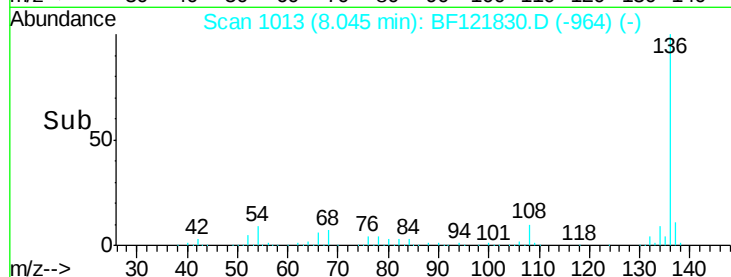
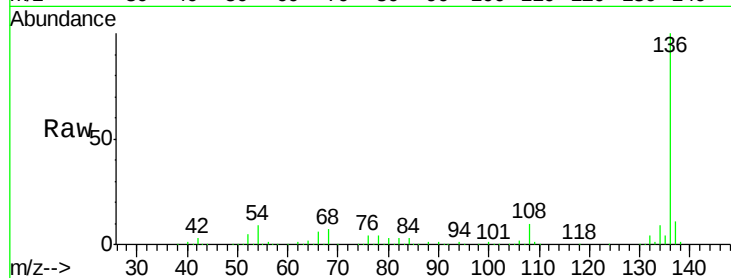
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 9.3 7.1 10.7

68 6.8 5.0 7.4

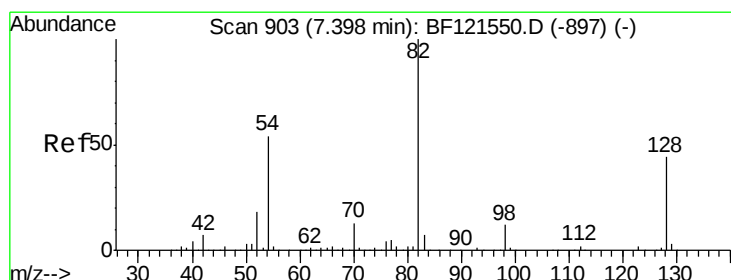
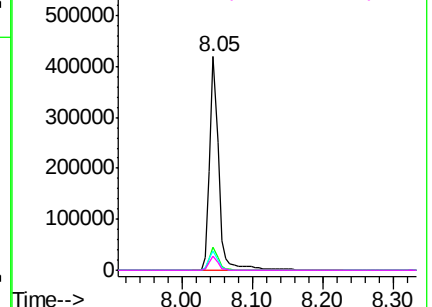


Abundance Ion 136.00 (135.70 to 136.70): E

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: 29.648 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

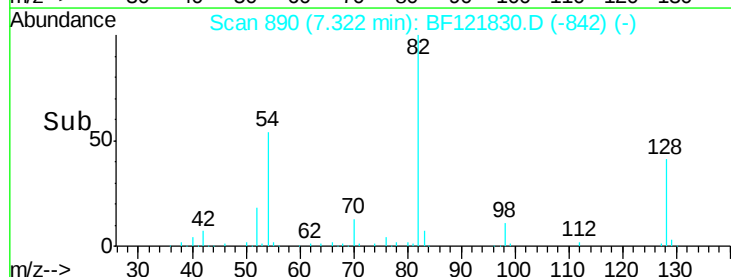
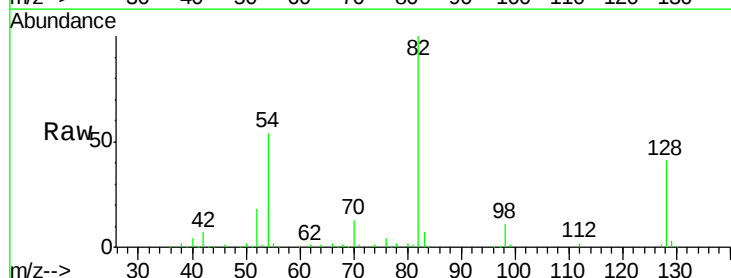
Tgt Ion: 82 Resp: 207758

Ion Ratio Lower Upper

82 100

128 40.6 35.0 52.4

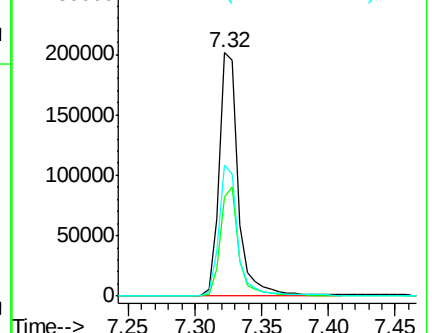
54 53.9 43.9 65.9

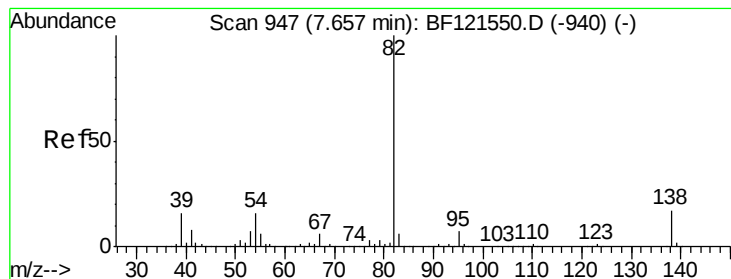


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.728 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

BNA_F

ClientSampleId :

RO-4

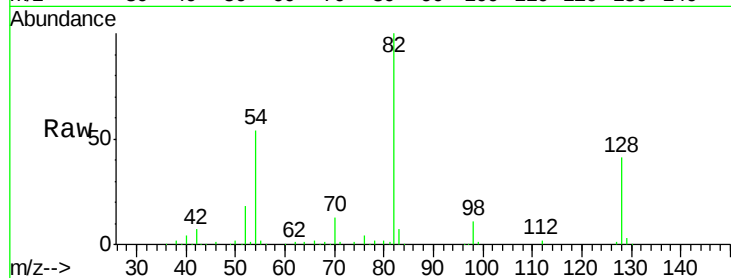
Tot Ion: 82 Resp: 207756

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

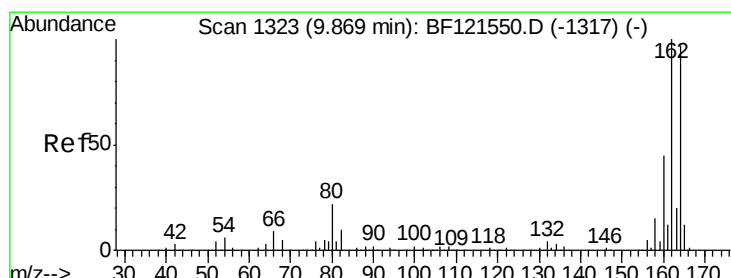
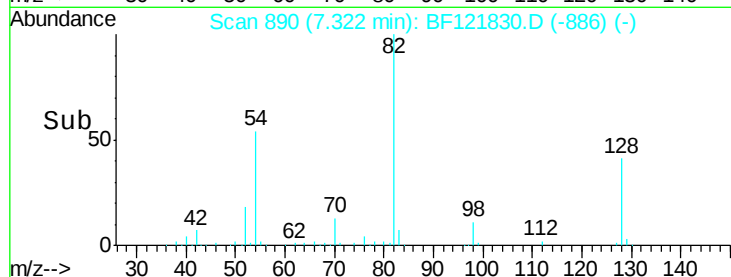
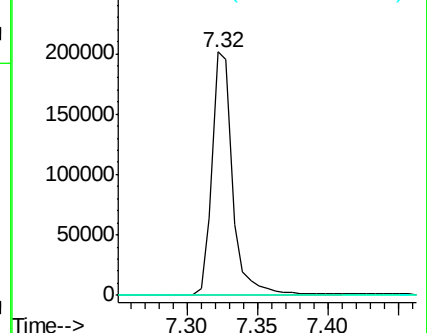
138 0.0 13.4 20.0#



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: BF121830.D

Acq: 5 Oct 2020 21:53

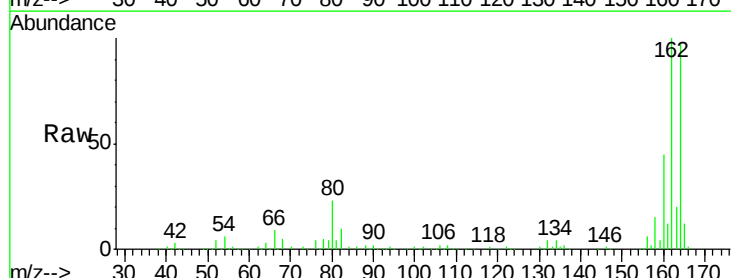
Tgt Ion: 164 Resp: 167454

Ion Ratio Lower Upper

164 100

162 103.0 83.2 124.8

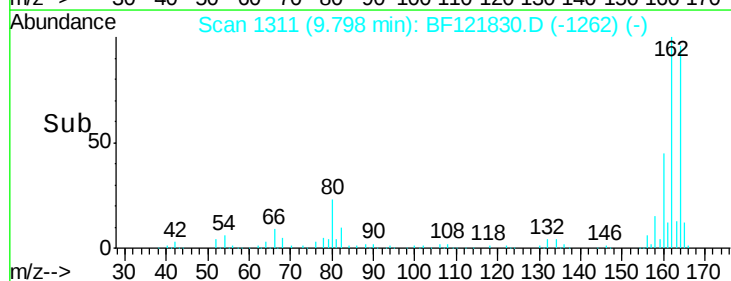
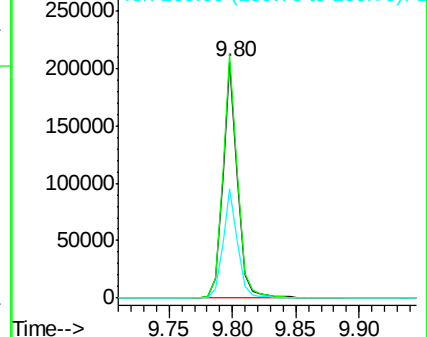
160 46.0 37.5 56.3

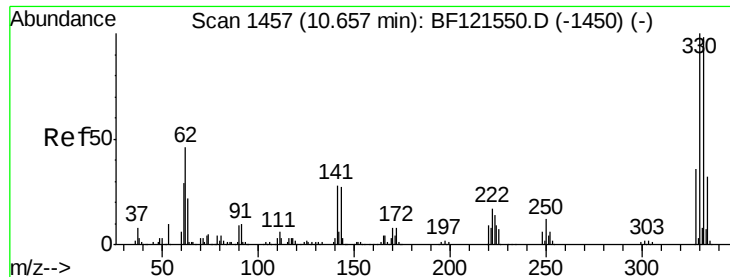


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 31.701 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

BNA_F

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RO-4

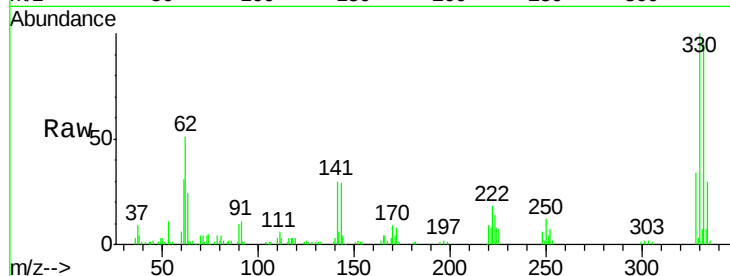
Tot Ion:330 Resp: 65976

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

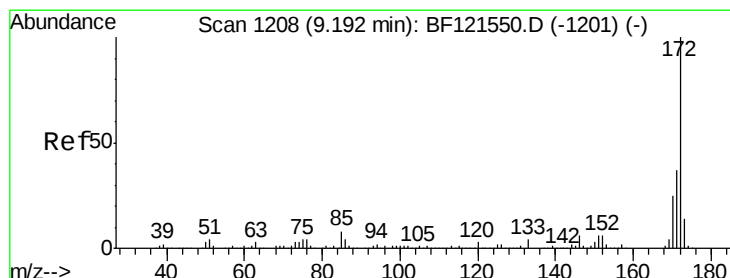
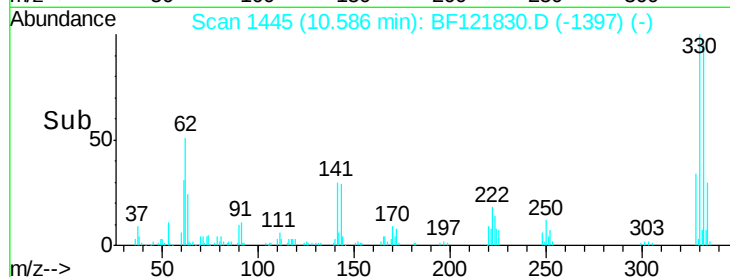
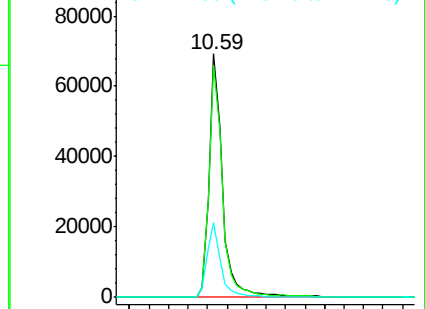
141 31.0 22.3 33.5



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: 32.043 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

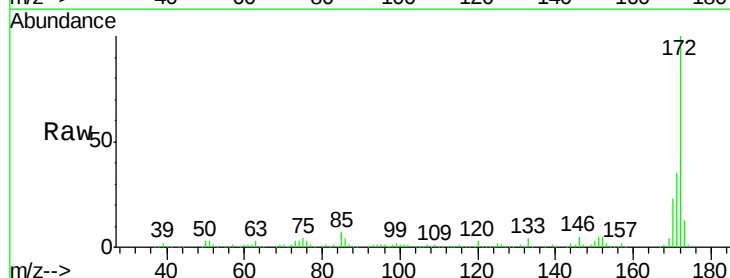
Tgt Ion:172 Resp: 354282

Ion Ratio Lower Upper

172 100

171 34.8 29.1 43.7

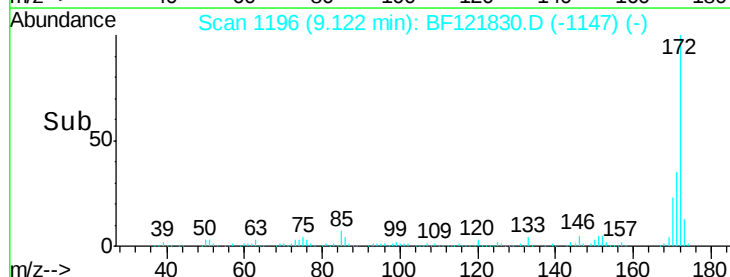
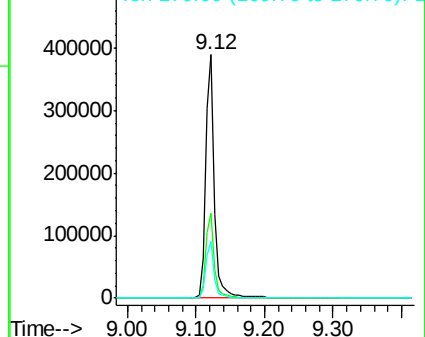
170 23.4 19.8 29.6

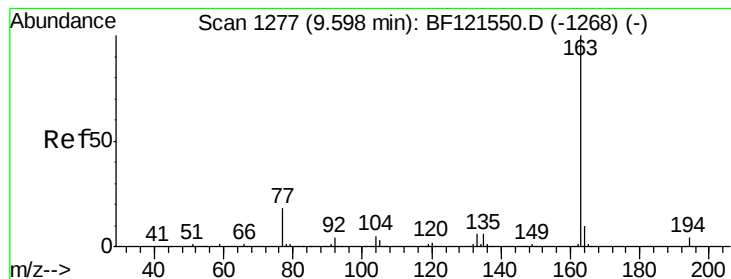


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.643 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

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RO-4

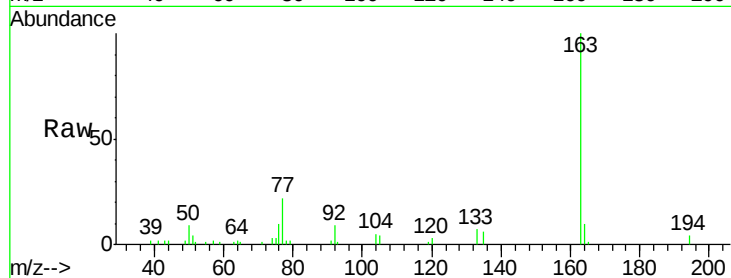
Tot Ion:163 Resp: 32077

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

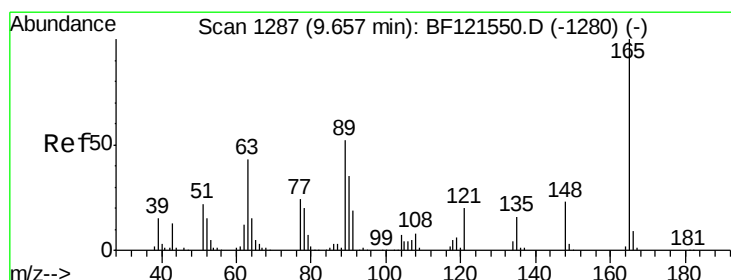
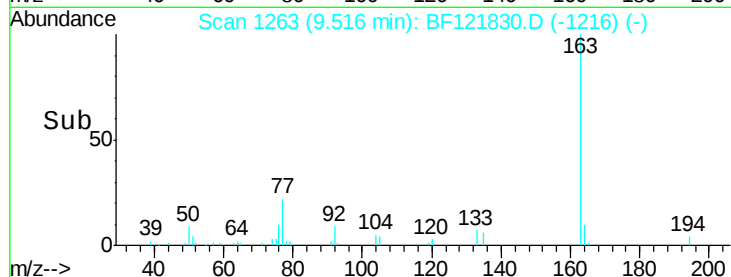
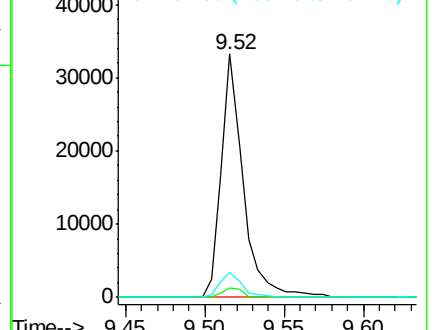
164 10.2 8.2 12.4



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: 8.238 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.20 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

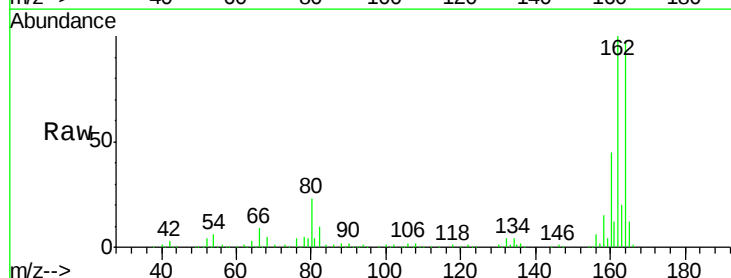
Tgt Ion:165 Resp: 21293

Ion Ratio Lower Upper

165 100

63 1.7 51.8 77.6#

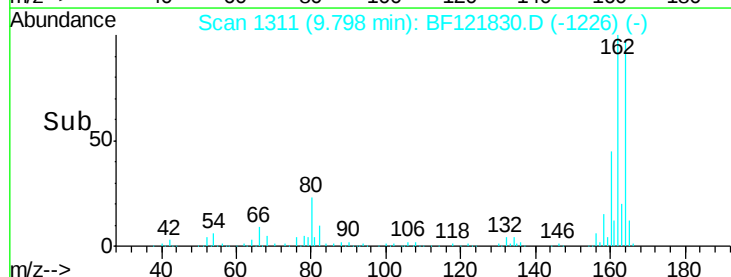
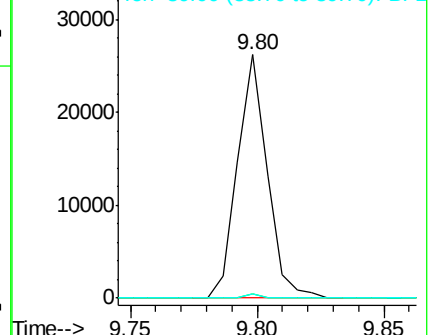
89 1.7 49.0 73.6#



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

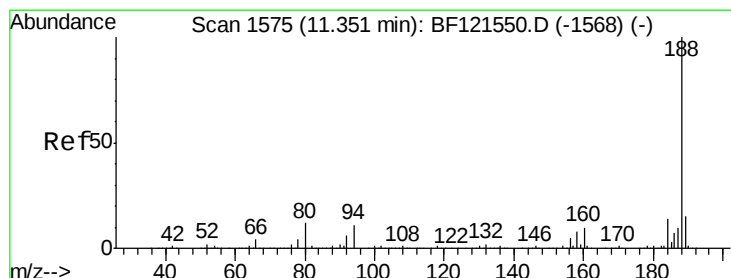
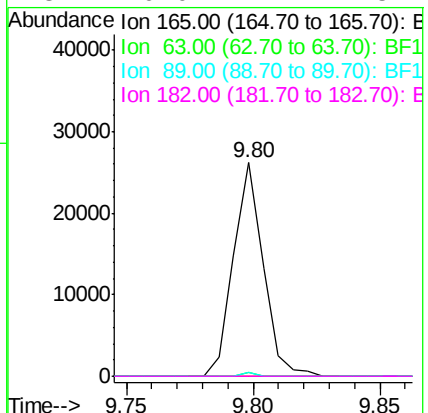
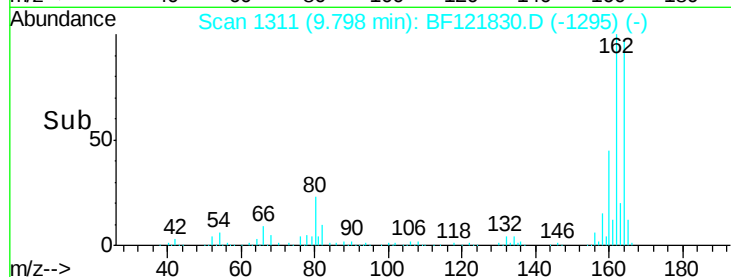
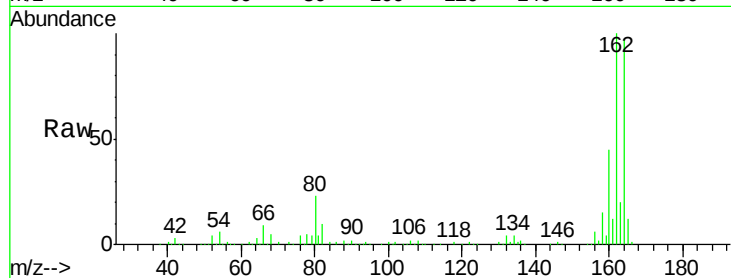




#57
2,4-Dinitrotoluene
Concen: 6.548 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

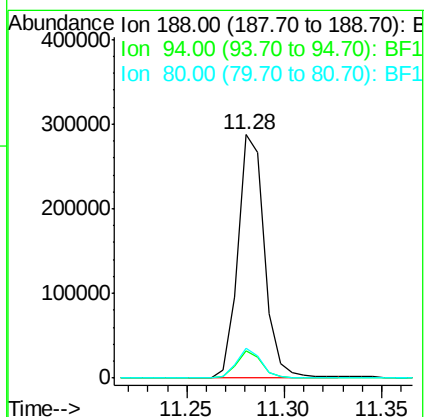
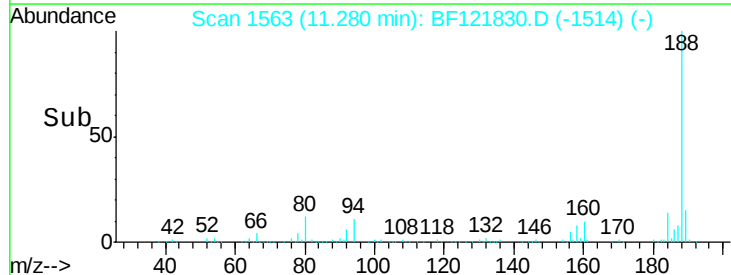
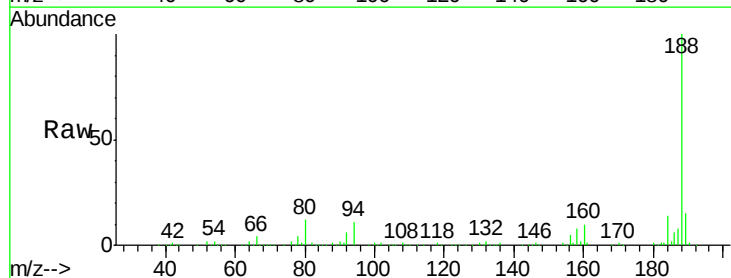
Instrument :
BNA_F
ClientSampleId :
RO-4

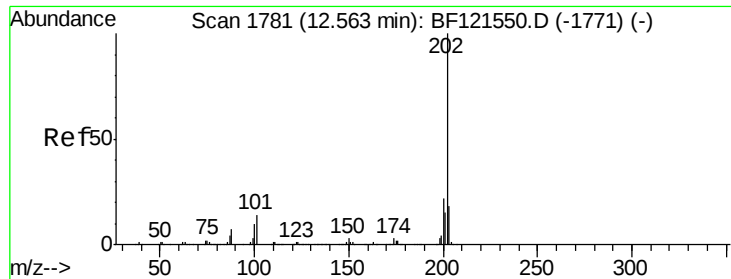
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.3	61.9#
89	1.7	61.8	92.8#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.3	12.5
80	12.2	9.1	13.7





#75

Fluoranthene

Concen: 4.205 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

BNA_F

ClientSampleId :

RO-4

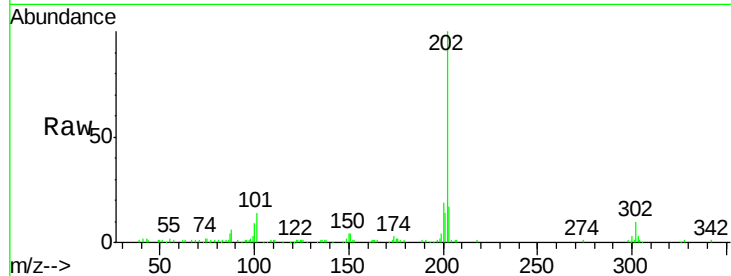
Tot Ion:202 Resp: 66370

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.4

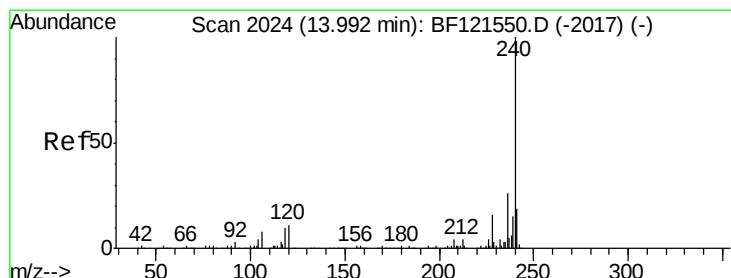
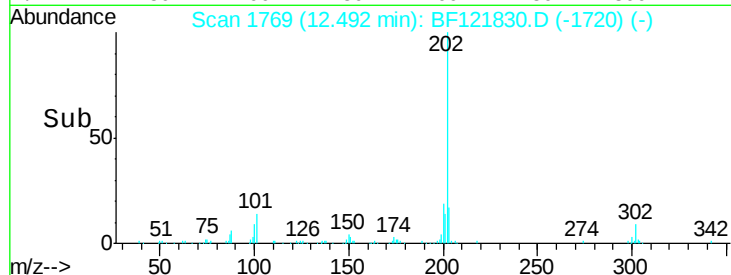
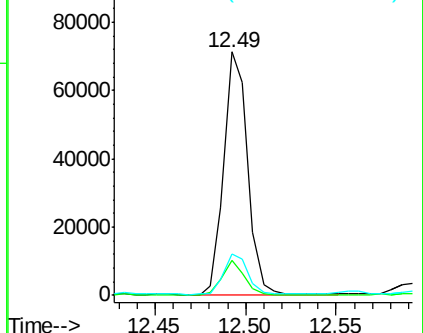
203 17.2 0.0 37.9



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: BF121830.D

Acq: 5 Oct 2020 21:53

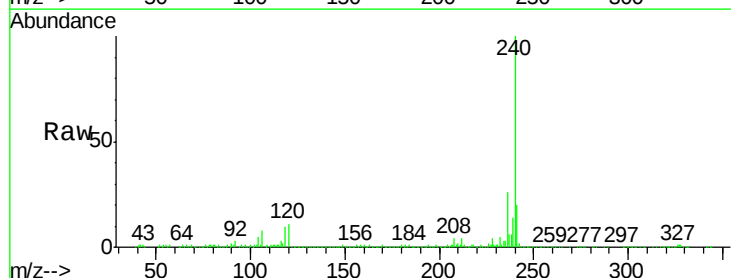
Tgt Ion:240 Resp: 265388

Ion Ratio Lower Upper

240 100

120 11.5 9.2 13.8

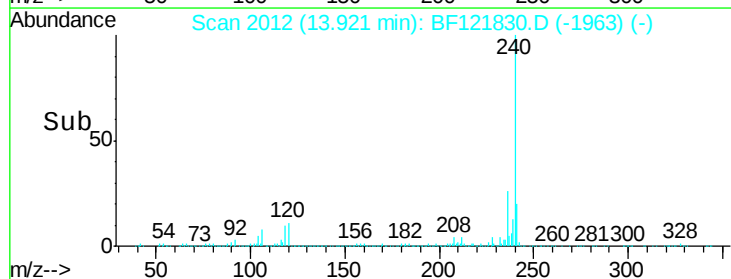
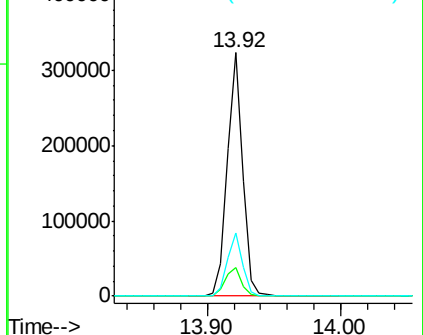
236 25.8 20.9 31.3

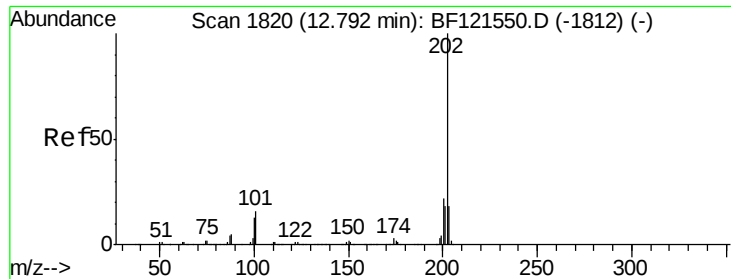


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

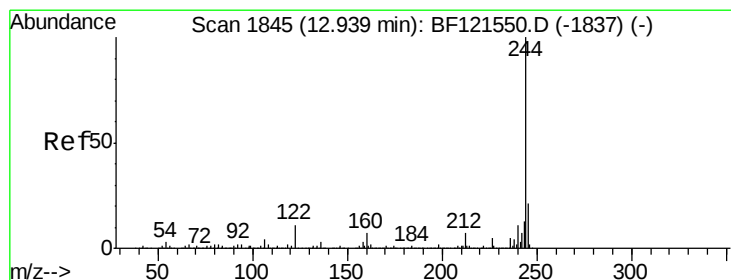
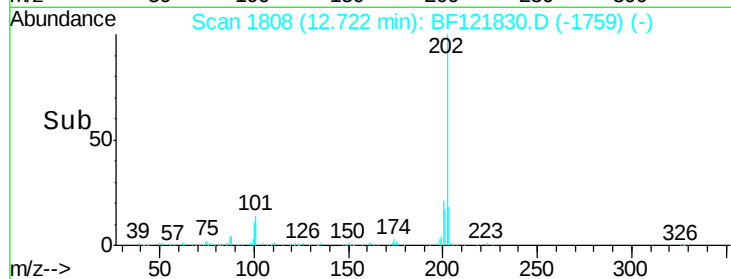
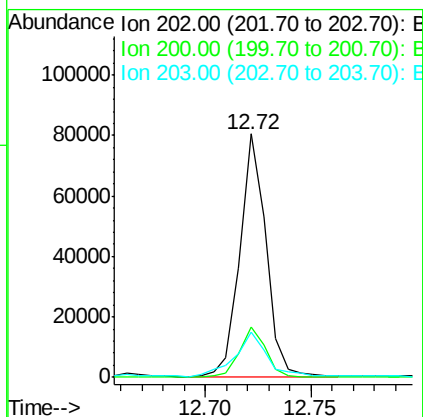
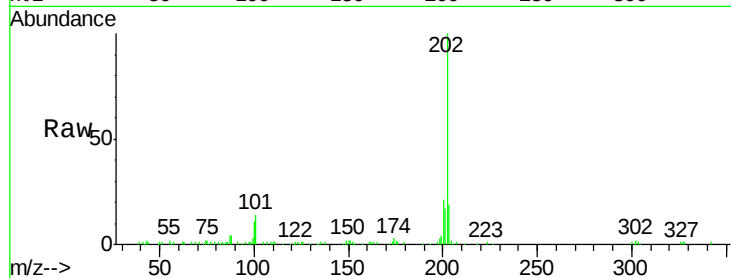




#78
Pvrene
Concen: 3.592 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

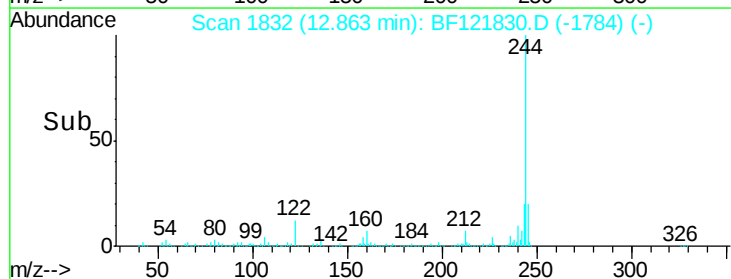
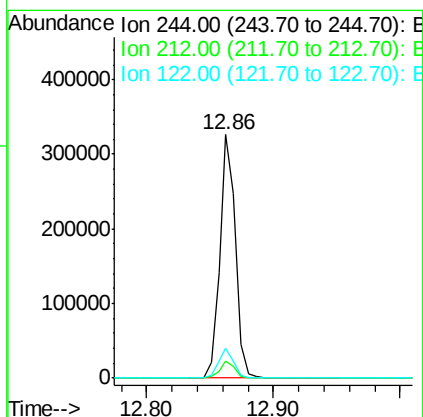
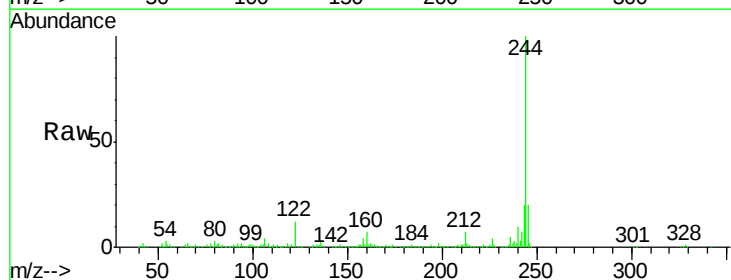
Instrument :
BNA_F
ClientSampled :
RO-4

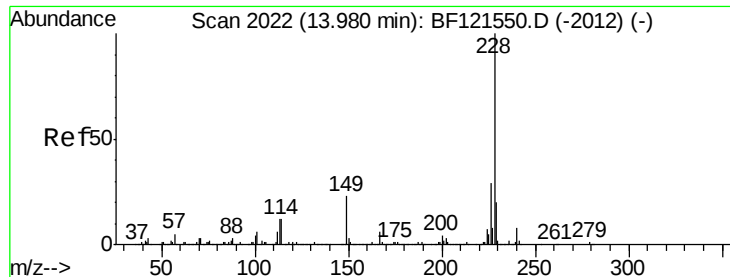
Tot Ion:202 Resp: 69655
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 18.5 14.6 21.8



#79
Terphenyl-d14
Concen: 21.415 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:244 Resp: 280528
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 12.2 8.1 12.1#





#81

Benzo(a)anthracene

Concen: 3.290 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

BNA_F

ClientSampleId :

RO-4

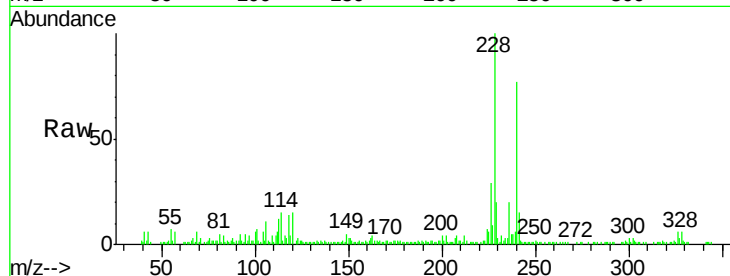
Tot Ion:228 Resp: 55235

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.3	33.5
229	20.2	16.2	24.4

228 100

226 28.7 22.3 33.5

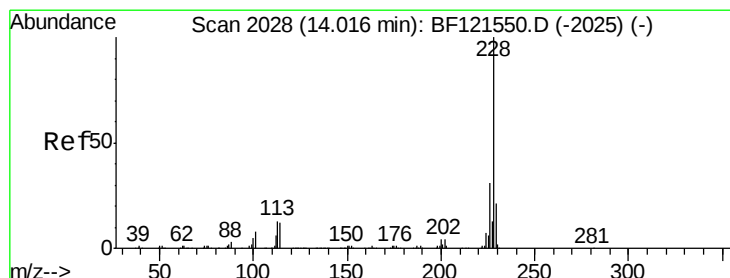
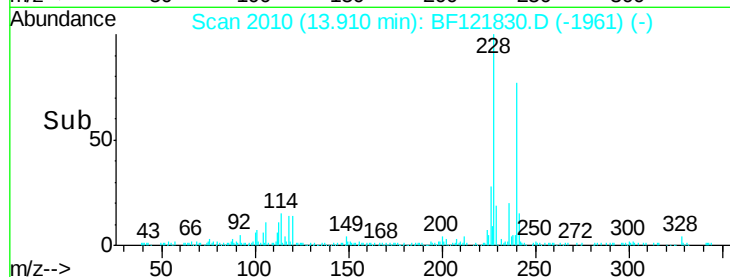
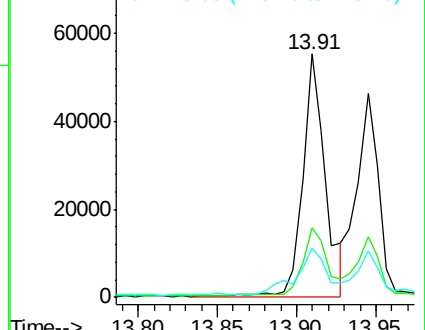
229 20.2 16.2 24.4



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: 2.632 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

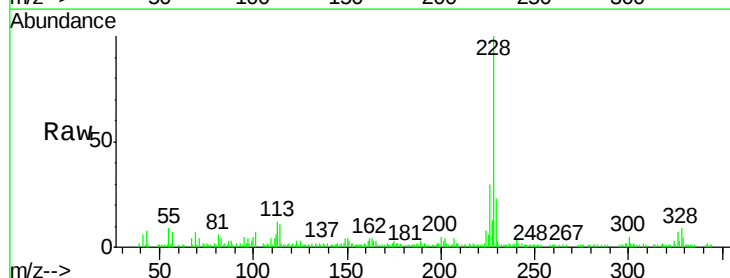
Tgt Ion:228 Resp: 44756

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.6	37.0
229	23.1	15.9	23.9

228 100

226 29.6 24.6 37.0

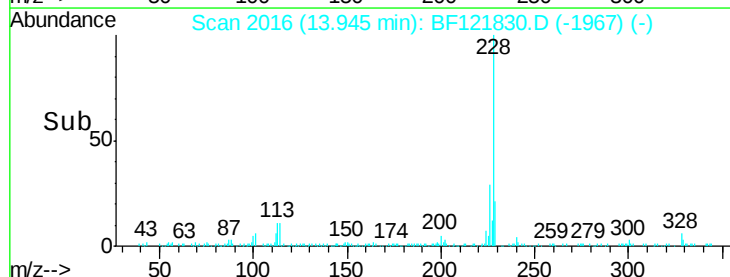
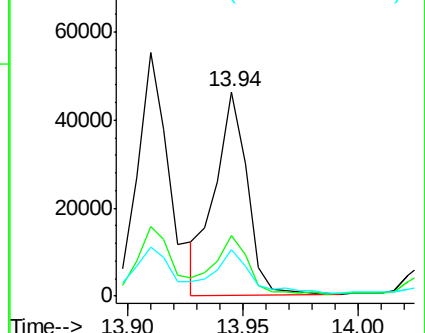
229 23.1 15.9 23.9

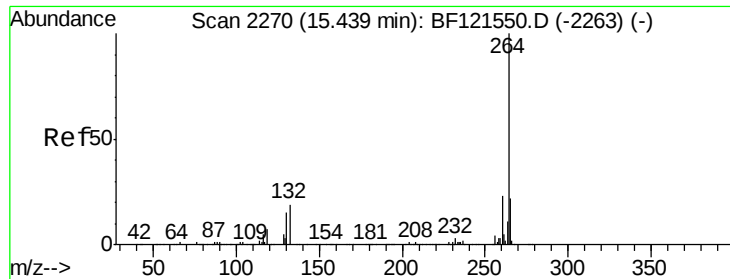


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



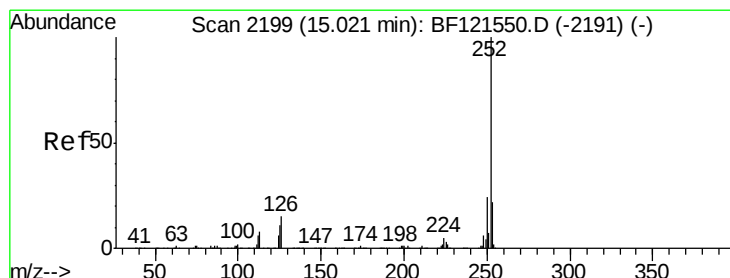
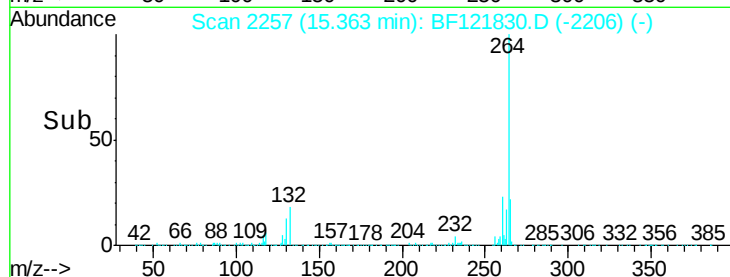
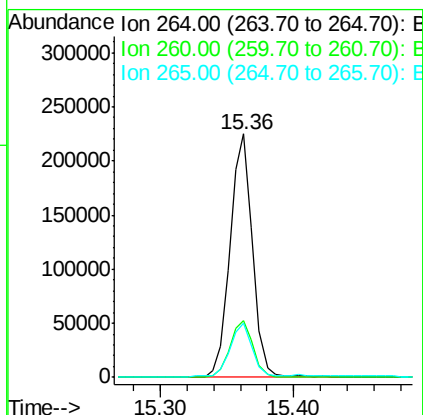
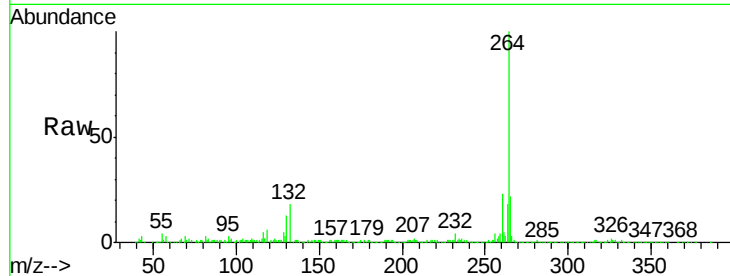


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Instrument :
BNA_F
ClientSampleId :
RO-4

Tot Ion:264 Resp: 262801

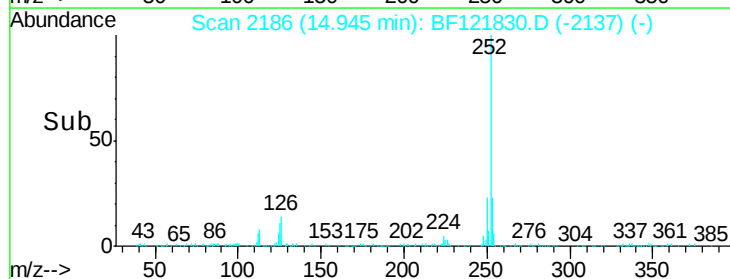
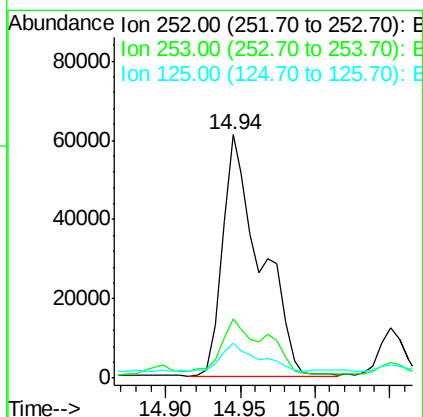
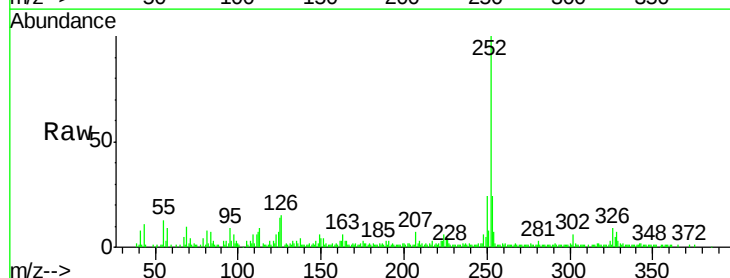
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	22.2	17.3	25.9

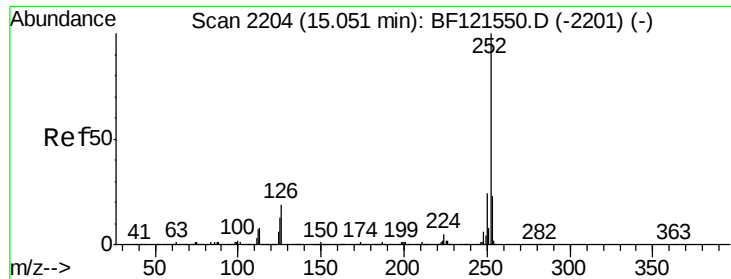


#88
Benzo(b)fluoranthene
Concen: 6.142 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121830.D
Acq: 5 Oct 2020 21:53

Tgt Ion:252 Resp: 107906

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	14.5	8.0	12.0#





#89

Benzo(k)fluoranthene

Concen: 6.707 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.04 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

Instrument :

BNA_F

ClientSampleId :

RO-4

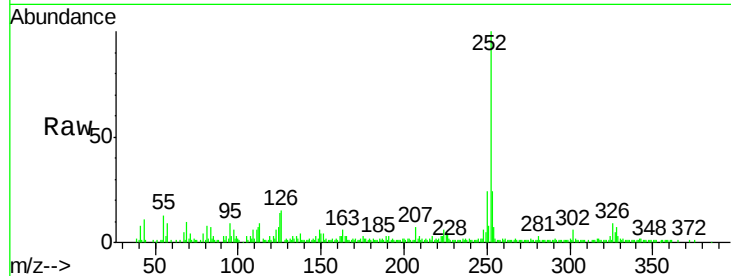
Tot Ion:252 Resp: 107906

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

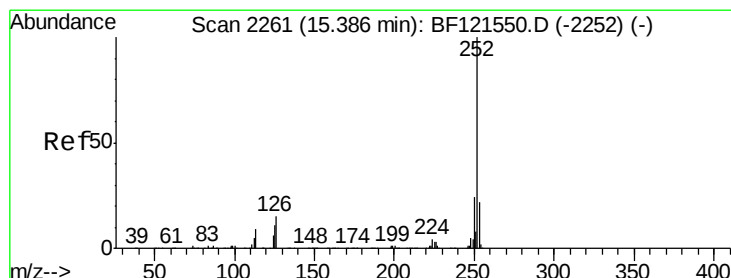
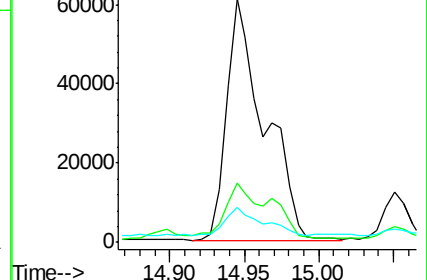
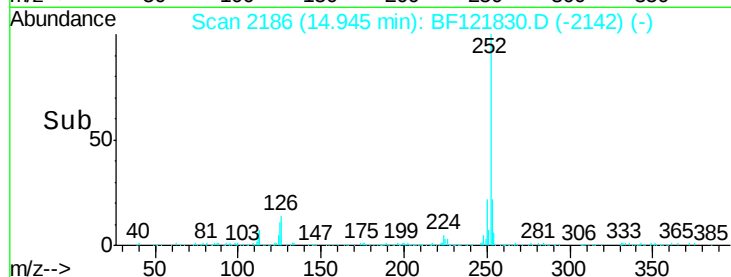
125 14.5 7.7 11.5#



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



#90

Benzo(a)pyrene

Concen: 3.695 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF121830.D

Acq: 5 Oct 2020 21:53

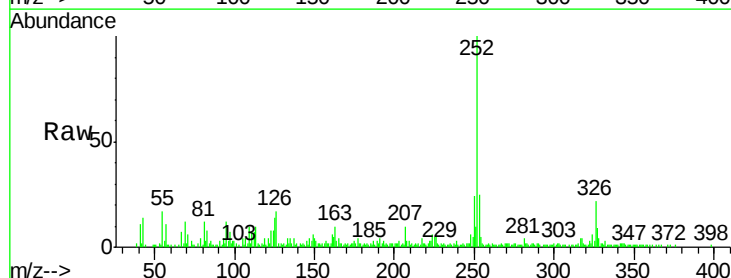
Tgt Ion:252 Resp: 55182

Ion Ratio Lower Upper

252 100

253 24.9 17.3 25.9

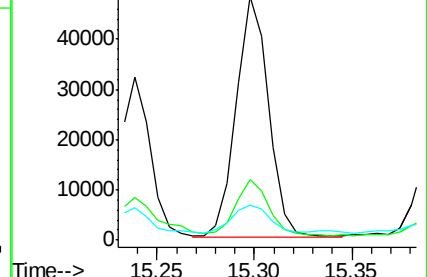
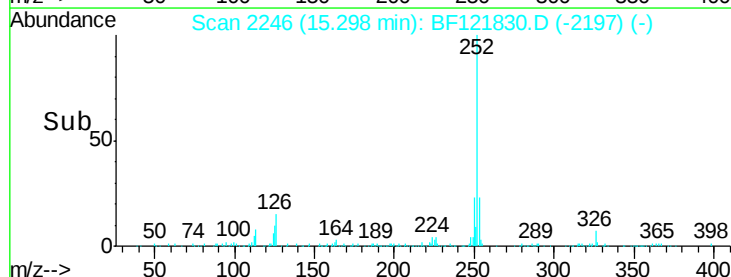
125 14.2 8.6 13.0#

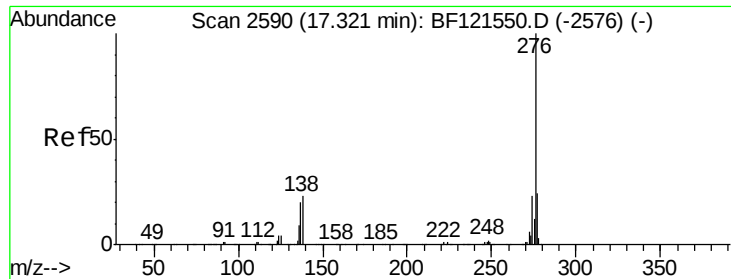


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

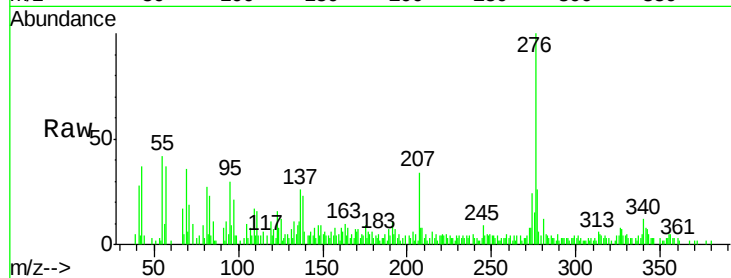




#92
 Benzo(a,h,i)perylene
 Concen: 2.084 ng
 RT: 17.20 min Scan# 2569
 Delta R.T. -0.01 min
 Lab File: BF121830.D
 Acq: 5 Oct 2020 21:53

Instrument :
 BNA_F
 ClientSampleId :
 RO-4

Tot Ion:	276	Resp:	29181
Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.4	29.2
138	22.9	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

