

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121807.D
 Acq On : 2 Oct 2020 21:54
 Operator : JU/CG
 Sample : L4213-07 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-16(9-11)

Quant Time: Oct 03 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	135903	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	492747	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	203535	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	325427	20.00	ng	0.00
76) Chrysene-d12	13.92	240	293105	20.00	ng	-0.01
86) Perylene-d12	15.36	264	255654	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	341022	37.29	ng	0.00
7) Phenol-d6	6.40	99	422409	35.21	ng	-0.02
23) Nitrobenzene-d5	7.33	82	269341	29.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	74267	29.36	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	443311	32.99	ng	-0.01
79) Terphenyl-d14	12.86	244	342523	23.67	ng	-0.02

Target Compounds

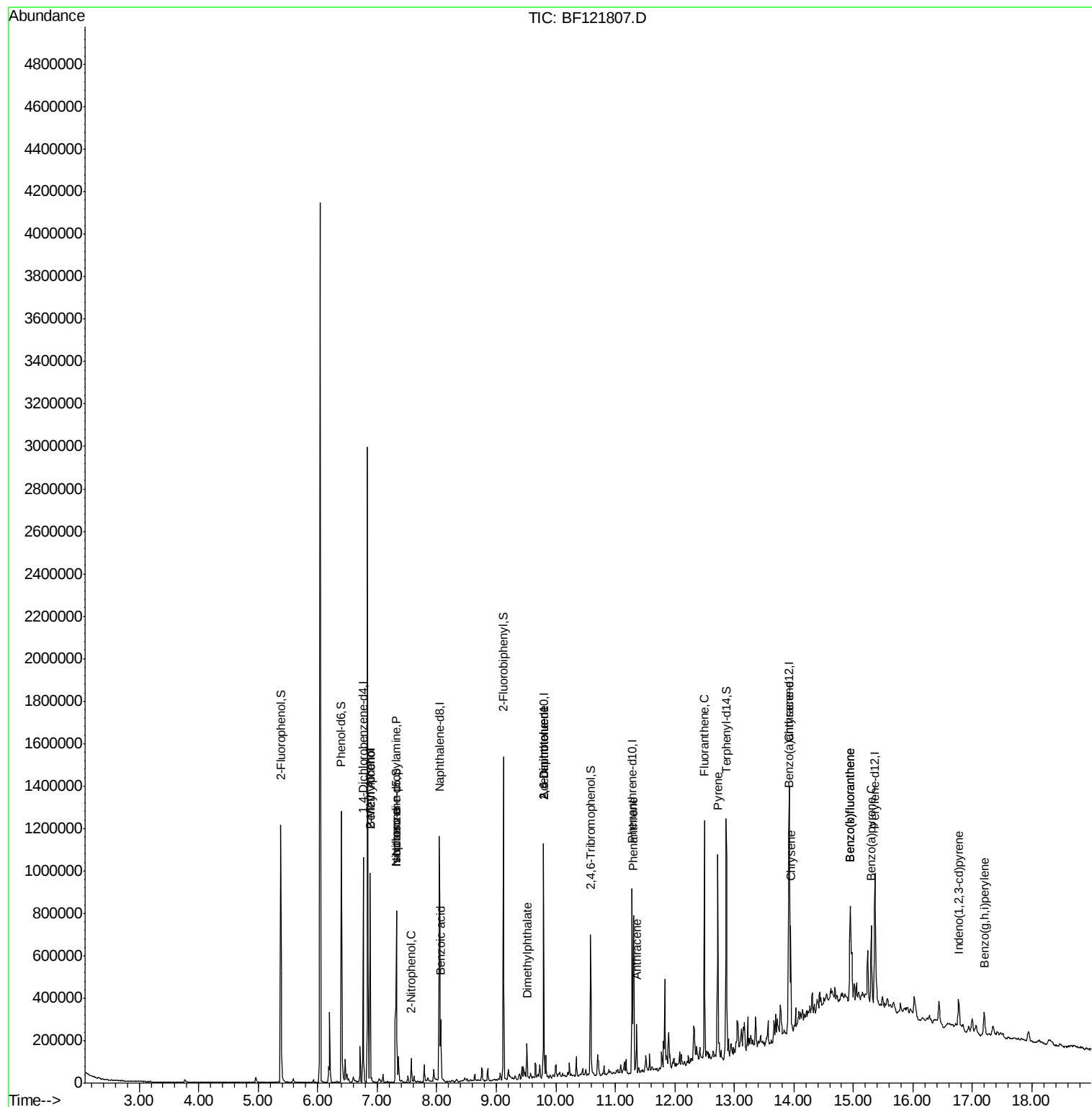
						Qvalue
15) Benzyl Alcohol	6.88	79	42418	5.202	ng	# 56
17) 2-Methylphenol	6.88	107	23161	2.924	ng	# 1
19) n-Nitroso-di-n-propylamine	7.33	70	35028	5.066	ng	# 77
25) Isophorone	7.33	82	269338	14.579	ng	# 67
26) 2-Nitrophenol	7.57	139	161	2.592	ng	# 1
32) Benzoic acid	8.07	122	1135	7.093	ng	# 1
50) Dimethylphthalate	9.52	163	53204	3.607	ng	99
51) 2,6-Dinitrotoluene	9.80	165	27313	8.694	ng	# 21
57) 2,4-Dinitrotoluene	9.80	165	27313	6.910	ng	# 20
71) Phenanthrene	11.30	178	276086	15.571	ng	98
72) Anthracene	11.36	178	76962	4.206	ng	98
75) Fluoranthene	12.50	202	434803	22.972	ng	97
78) Pvrene	12.72	202	383521	17.909	ng	99
81) Benzo(a)anthracene	13.91	228	229523	12.378	ng	98
83) Chrysene	13.94	228	196215	10.449	ng	96
87) Indeno(1,2,3-cd)pyrene	16.77	276	94383	5.669	ng	95
88) Benzo(b)fluoranthene	14.94	252	316353	18.510	ng	# 97
89) Benzo(k)fluoranthene	14.94	252	316353	20.213	ng	# 96
90) Benzo(a)pvrene	15.30	252	163483	11.253	ng	96
92) Benzo(a,h,i)perylene	17.20	276	84542	6.206	ng	99

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

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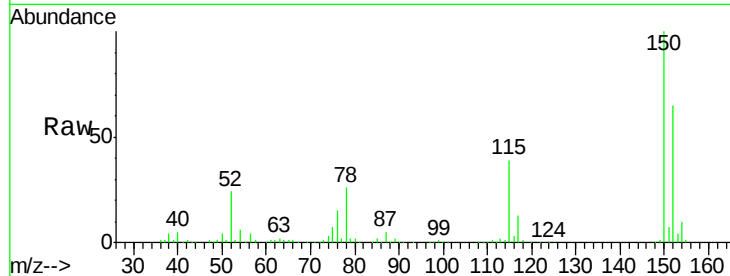


#1

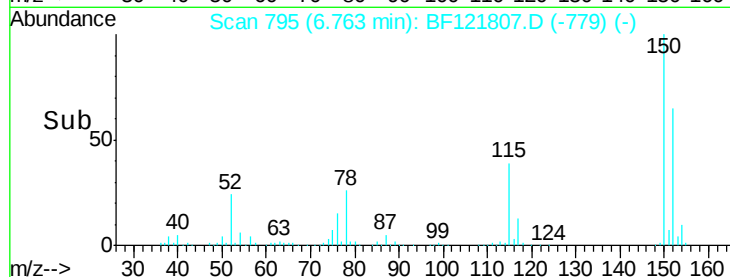
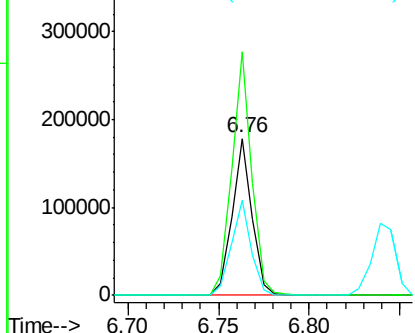
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion:152 Resp: 135903
Ion Ratio Lower Upper
152 100
150 154.9 125.3 187.9
115 60.6 51.9 77.9



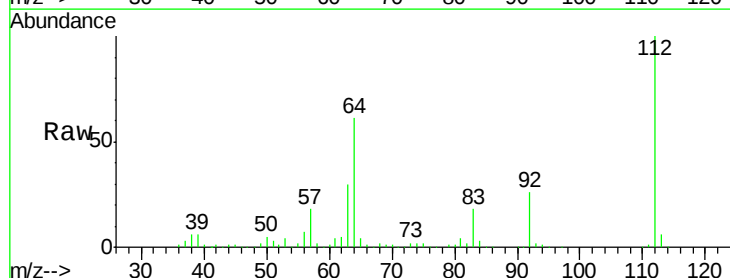
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



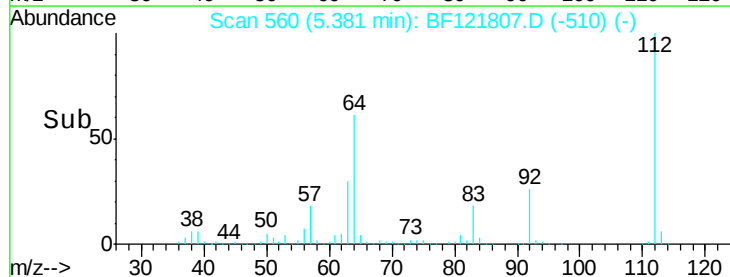
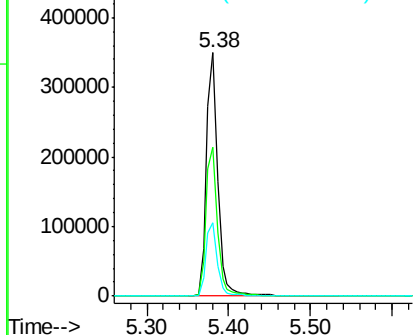
#5

2-Fluorophenol
Concen: 37.291 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion:112 Resp: 341022
Ion Ratio Lower Upper
112 100
64 61.1 50.4 75.6
63 30.1 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: 35.208 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

ClientSampleId :

B-16(9-11)

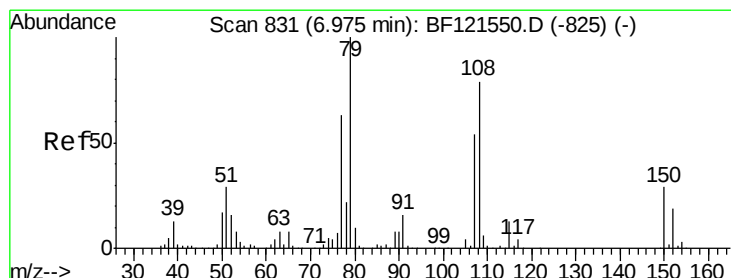
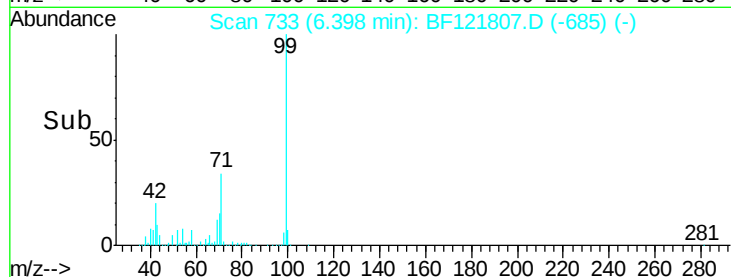
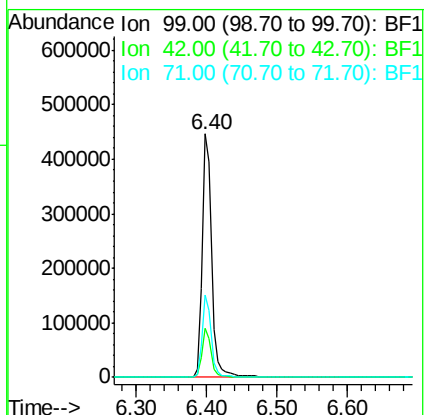
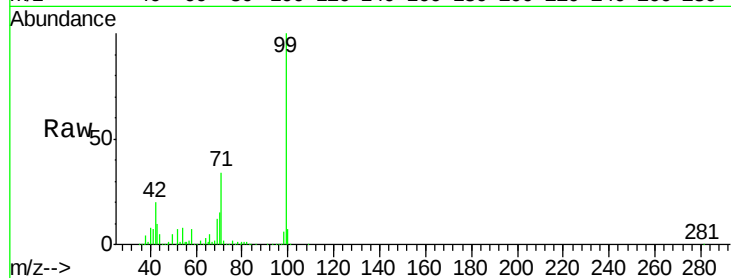
Tot Ion: 99 Resp: 422409

Ion Ratio Lower Upper

99 100

42 20.3 15.9 23.9

71 33.8 27.1 40.7



#15

Benzyl Alcohol

Concen: 5.202 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.04 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

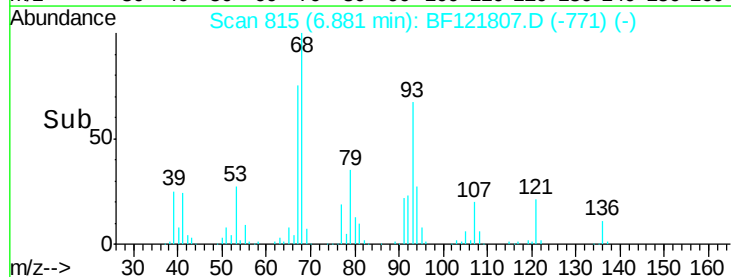
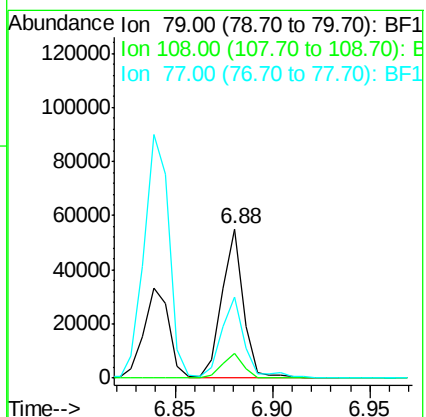
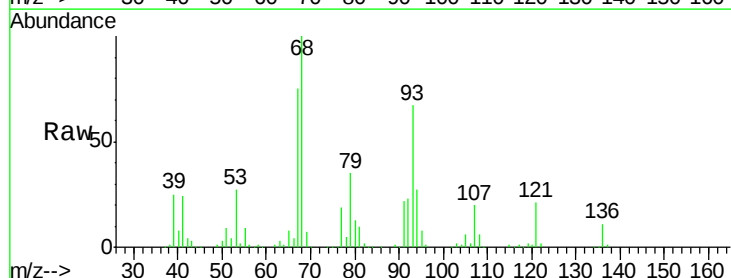
Tgt Ion: 79 Resp: 42418

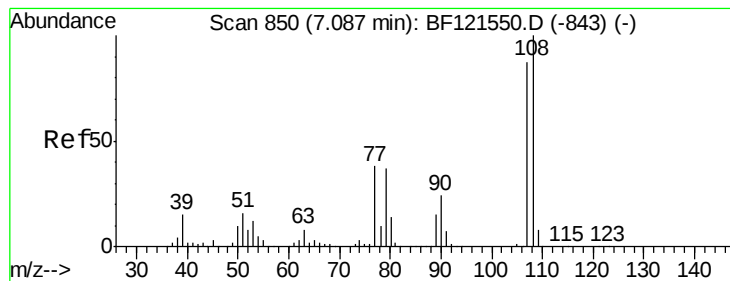
Ion Ratio Lower Upper

79 100

108 16.7 62.3 93.5#

77 54.3 50.6 75.8





#17

2-Methylphenol

Concen: 2.924 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.15 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

ClientSampleId :

B-16(9-11)

Tot Ion:107 Resp: 23161

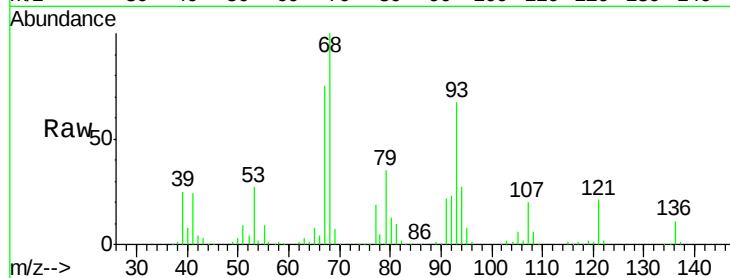
Ion Ratio Lower Upper

107 100

108 29.2 90.9 136.3#

77 95.4 37.5 56.3#

79 175.5 37.4 56.0#

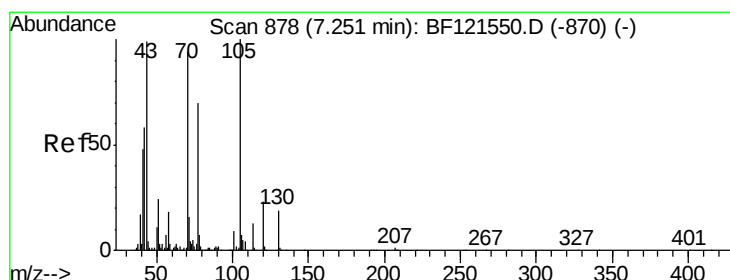
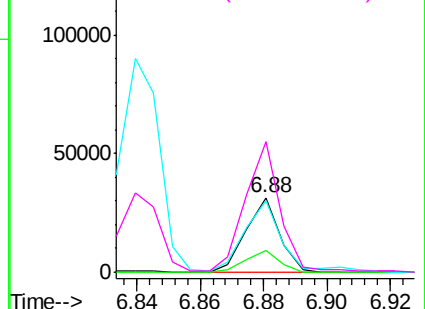
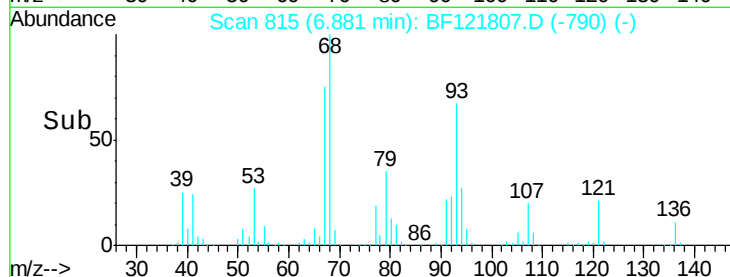


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.066 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Tgt Ion: 70 Resp: 35028

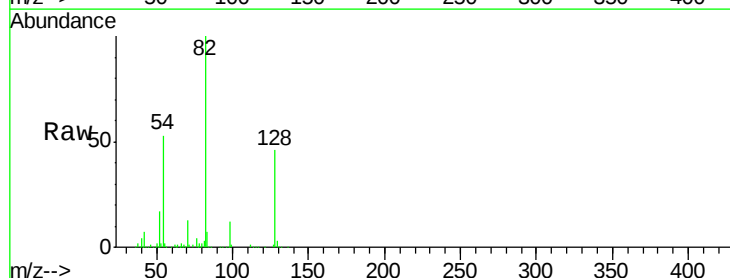
Ion Ratio Lower Upper

70 100

42 48.8 50.2 75.4#

101 0.0 7.5 11.3#

130 1.7 15.5 23.3#

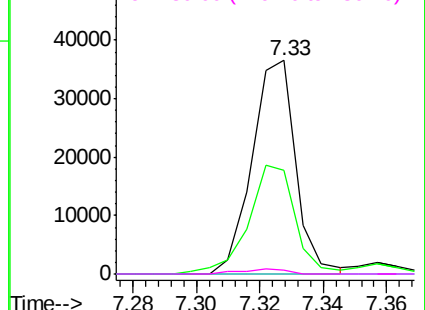
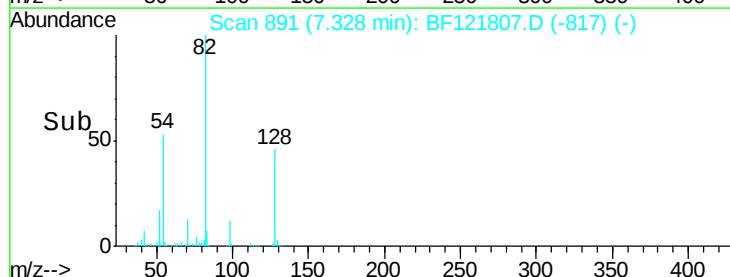


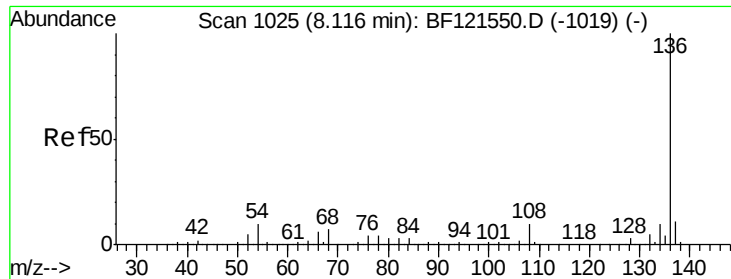
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

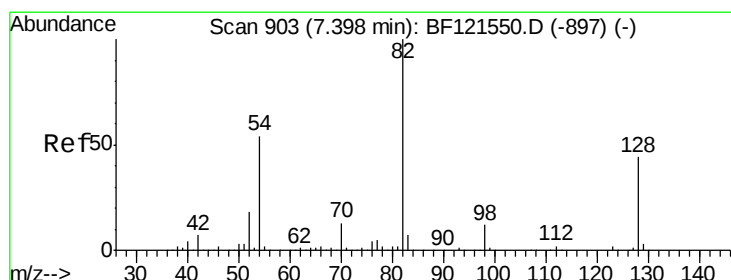
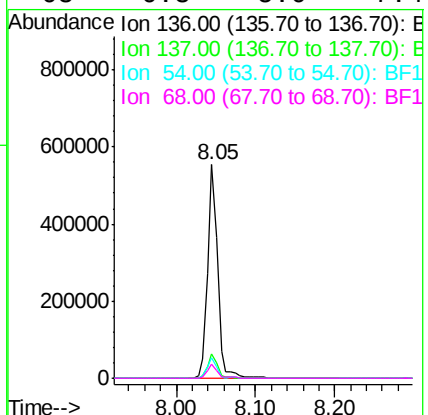
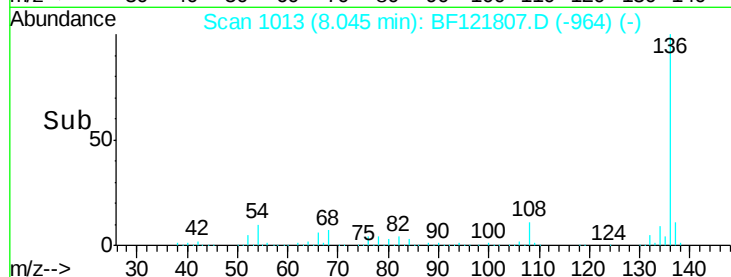
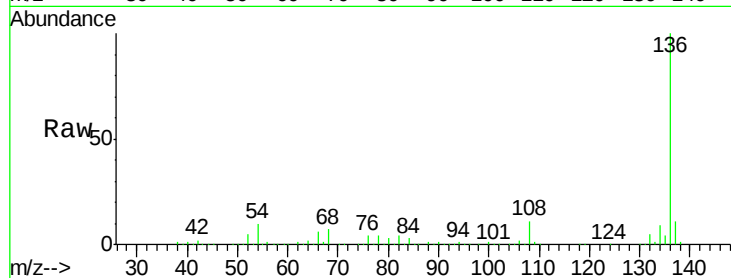




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

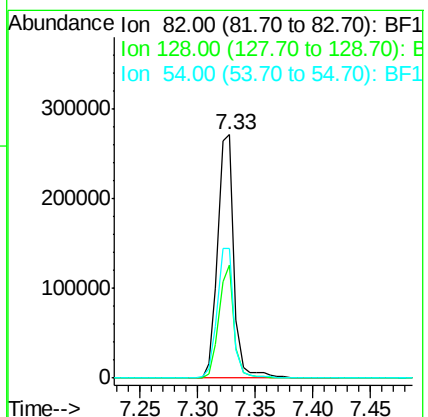
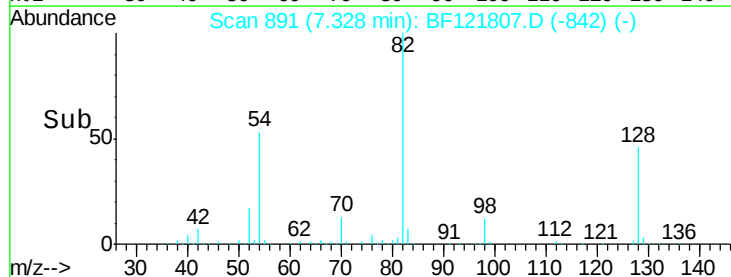
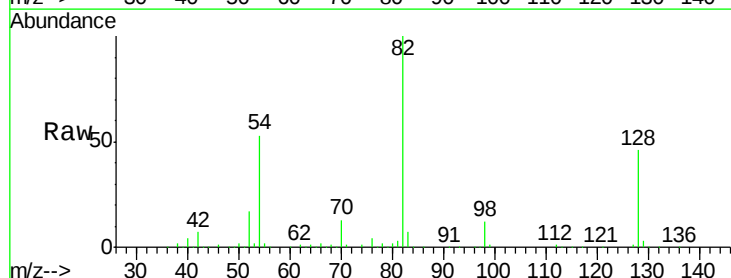
Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

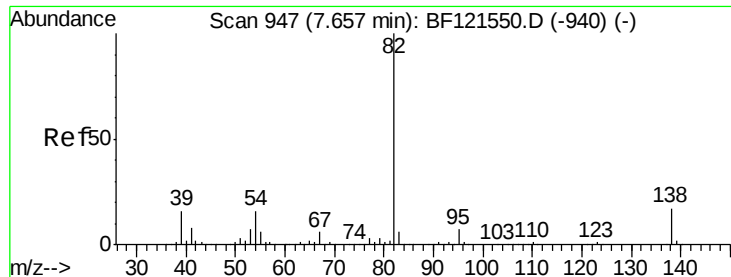
Tot Ion:136	Resp:	492747
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.6	13.0
54 9.5	7.1	10.7
68 6.8	5.0	7.4



#23
Nitrobenzene-d5
Concen: 29.349 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion: 82	Resp: 269341
Ion Ratio	Lower Upper
82 100	
128 46.3	35.0 52.4
54 53.1	43.9 65.9





#25

Isophorone

Concen: 14.579 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

ClientSampleId :

B-16(9-11)

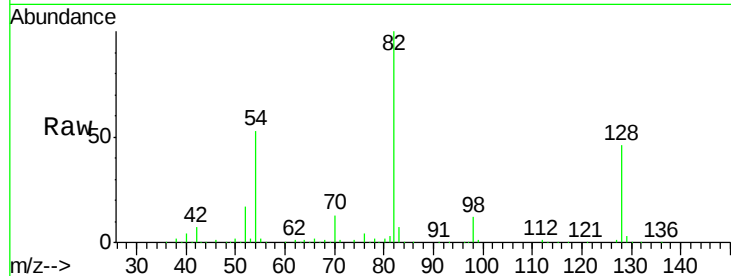
Tot Ion: 82 Resp: 269338

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

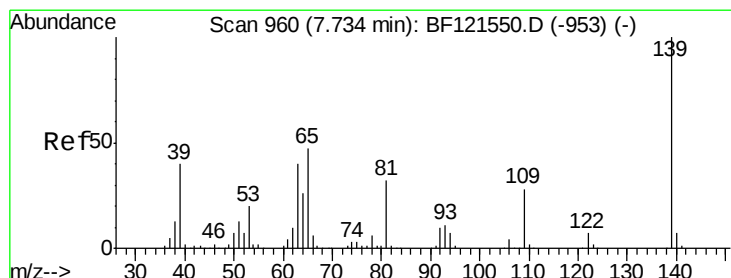
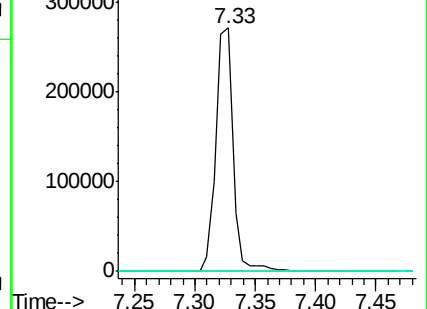
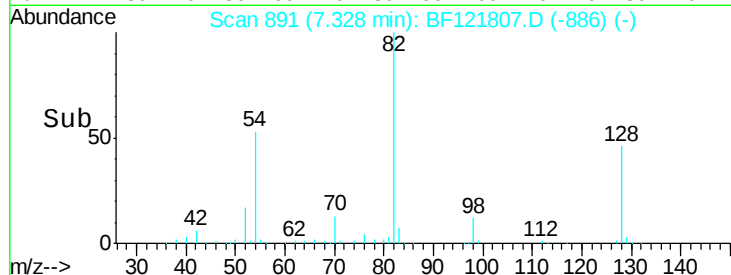
138 0.0 13.4 20.0#



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



#26

2-Nitrophenol

Concen: 2.592 ng

RT: 7.57 min Scan# 933

Delta R.T. -0.10 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

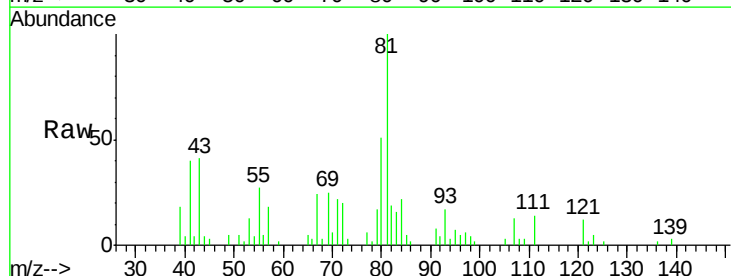
Tgt Ion: 139 Resp: 161

Ion Ratio Lower Upper

139 100

109 108.8 23.0 34.4#

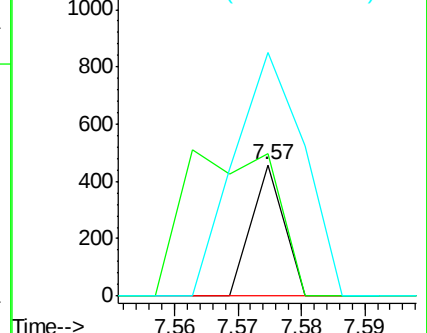
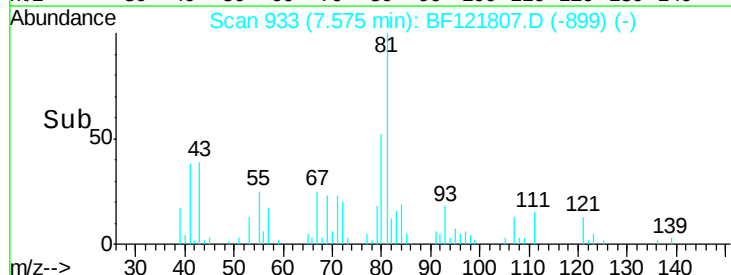
65 186.0 39.9 59.9#

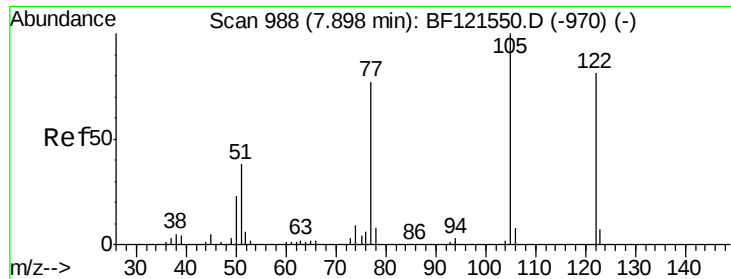


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

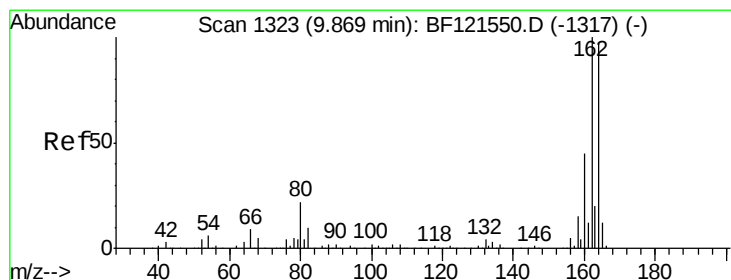
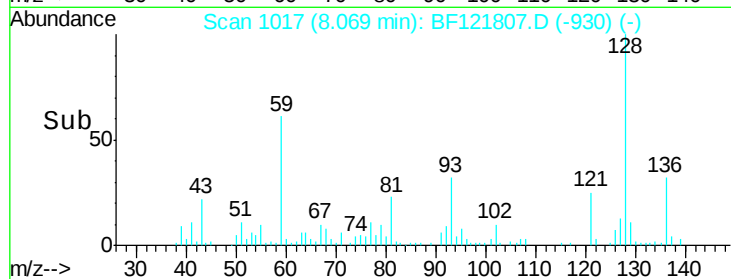
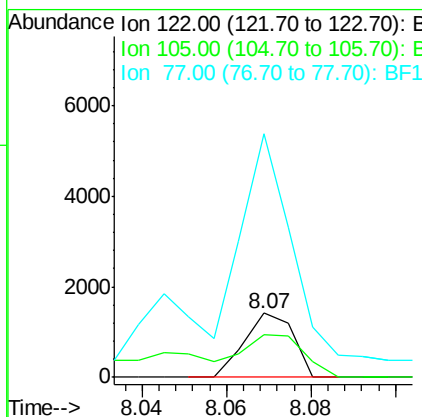
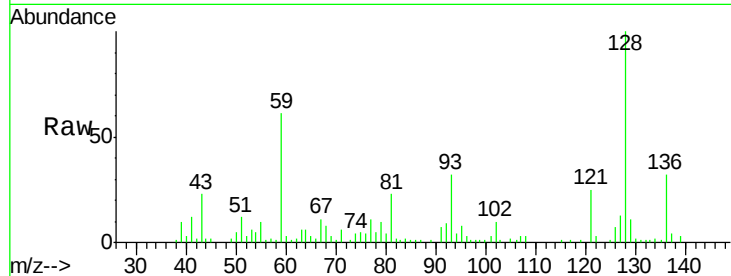




#32
Benzoic acid
Concen: 7.093 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.21 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

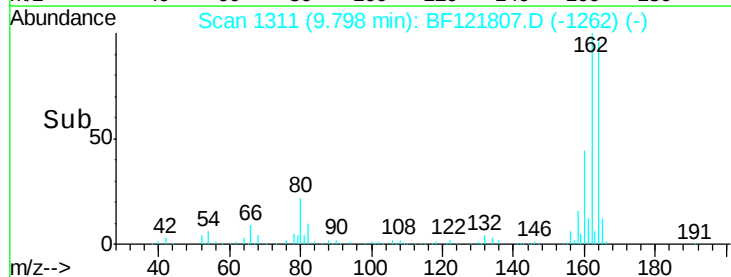
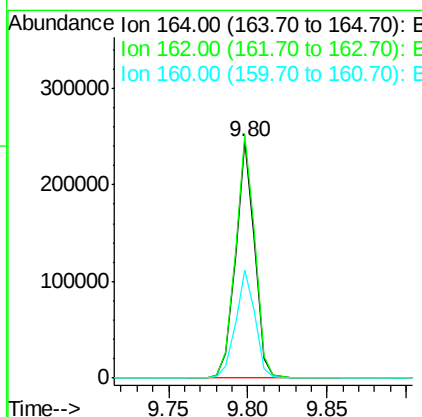
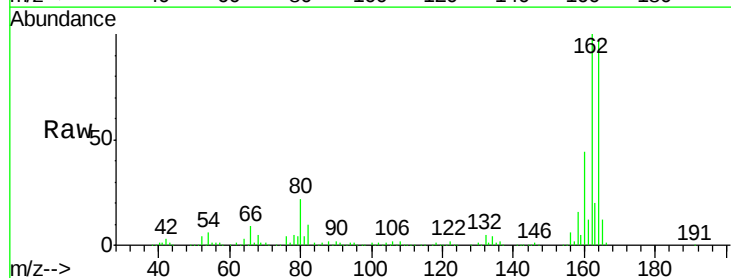
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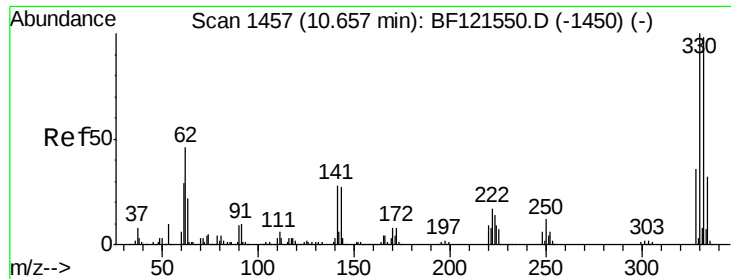
Tot Ion:122 Resp: 1135
Ion Ratio Lower Upper
122 100
105 67.3 103.3 143.3#
77 380.8 73.9 113.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion:164 Resp: 203535
Ion Ratio Lower Upper
164 100
162 102.8 83.2 124.8
160 45.6 37.5 56.3

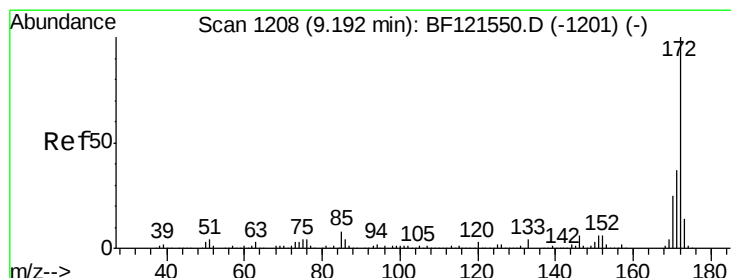
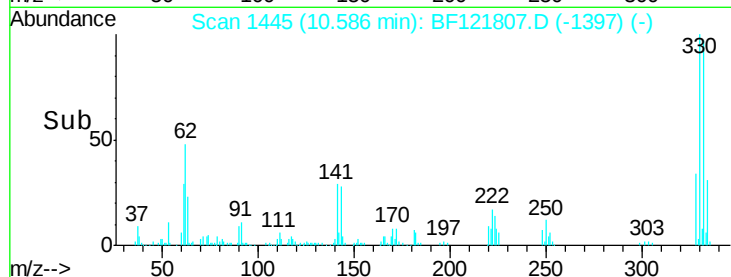
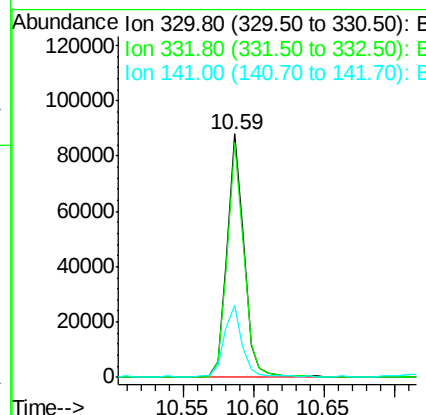
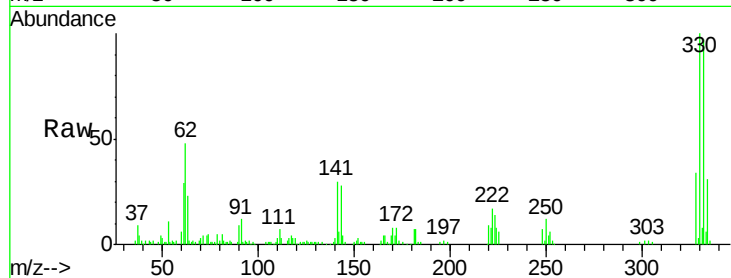




#42
 2,4,6-Tribromophenol
 Concen: 29.358 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121807.D
 Acq: 2 Oct 2020 21:54

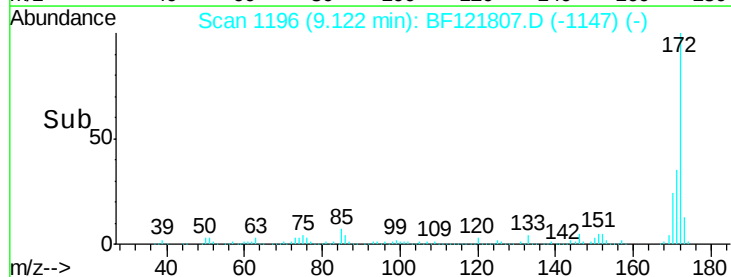
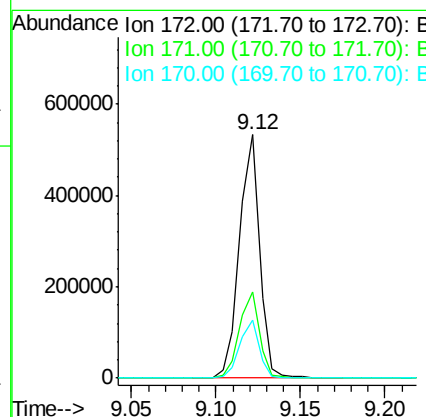
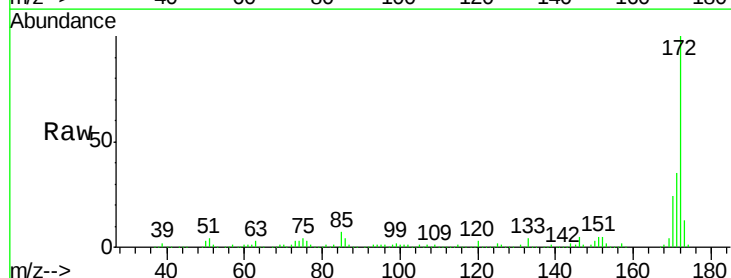
Instrument :
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 B-16(9-11)

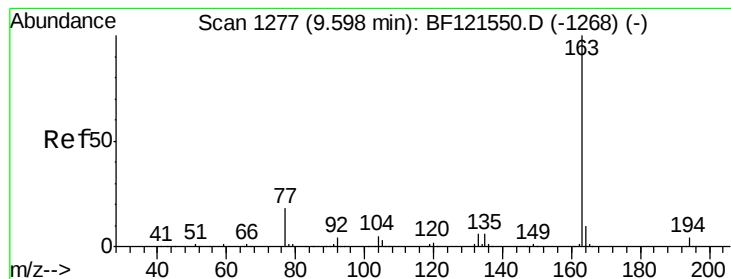
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.3	115.9
141	32.5	22.3	33.5



#45
 2-Fluorobiphenyl
 Concen: 32.987 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121807.D
 Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.1	43.7
170	23.6	19.8	29.6





#50

Dimethylphthalate

Concen: 3.607 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

ClientSampleId :

B-16(9-11)

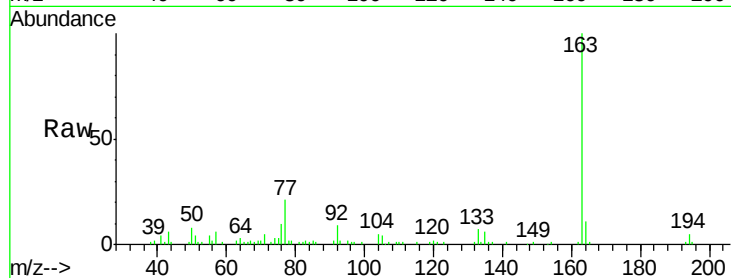
Tot Ion:163 Resp: 53204

Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

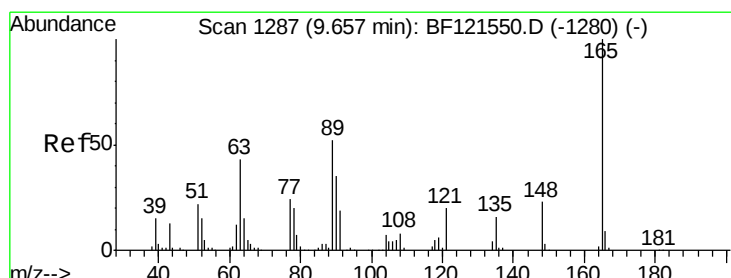
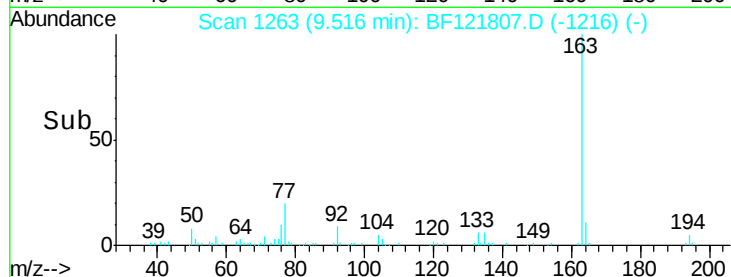
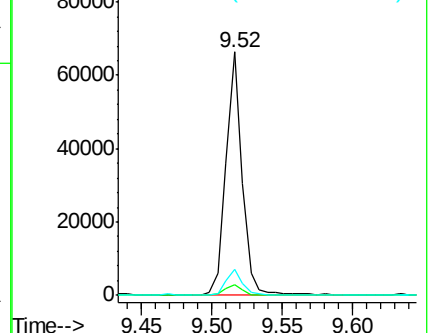
164 10.8 8.2 12.4



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: 8.694 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.20 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

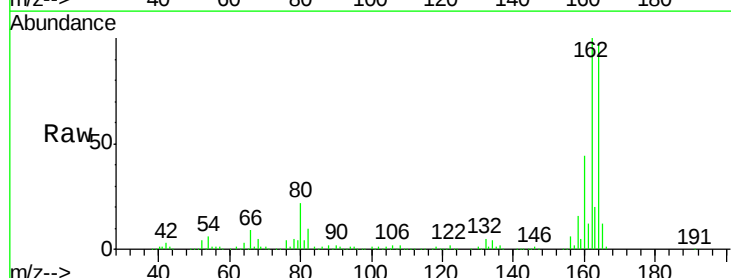
Tgt Ion:165 Resp: 27313

Ion Ratio Lower Upper

165 100

63 1.4 51.8 77.6#

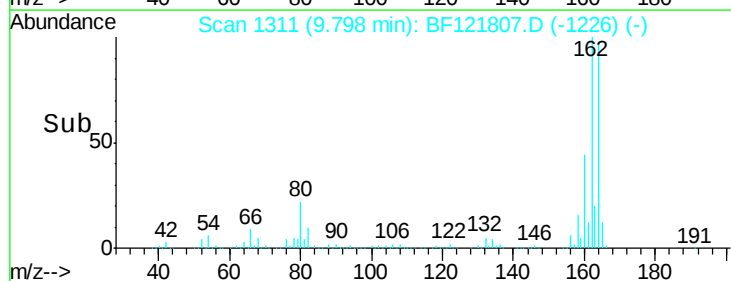
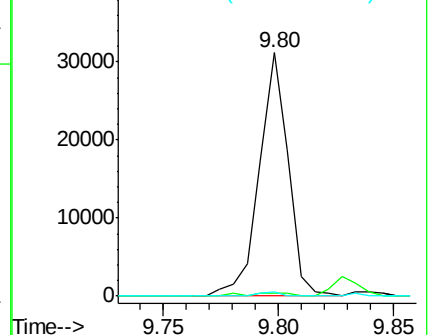
89 1.7 49.0 73.6#

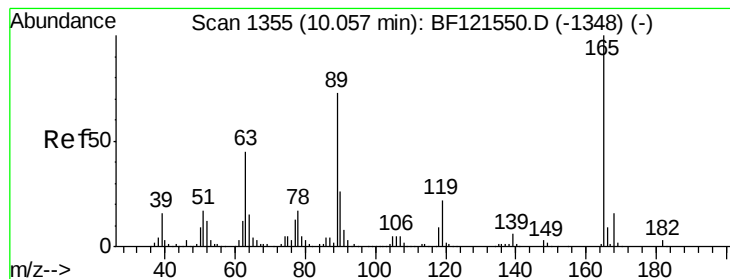


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.910 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.21 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

ClientSampleId :

B-16(9-11)

Tot Ion:165 Resp: 27313

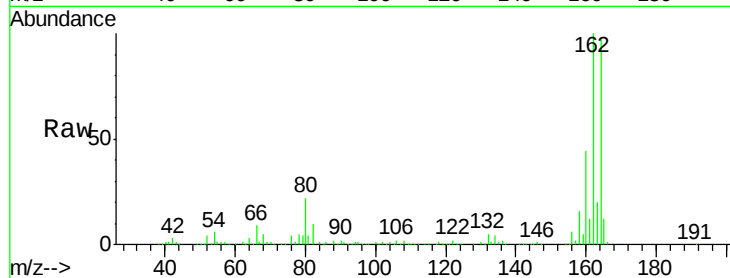
Ion Ratio Lower Upper

165 100

63 1.4 41.3 61.9#

89 1.7 61.8 92.8#

182 0.0 2.1 3.1#

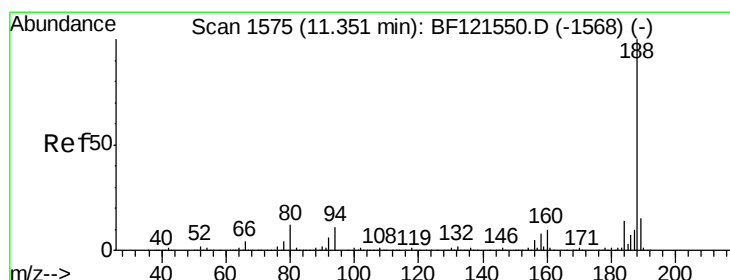
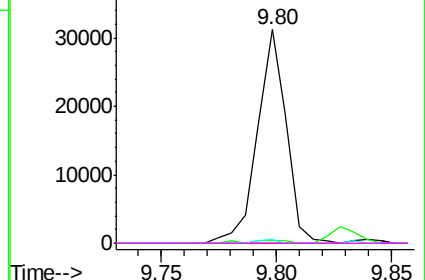
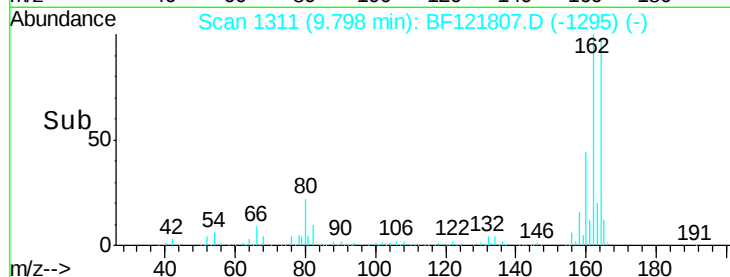


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

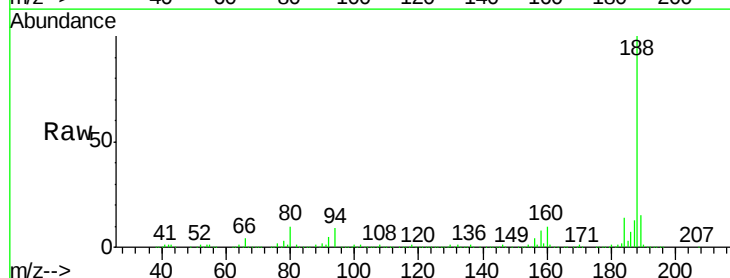
Tgt Ion:188 Resp: 325427

Ion Ratio Lower Upper

188 100

94 8.9 8.3 12.5

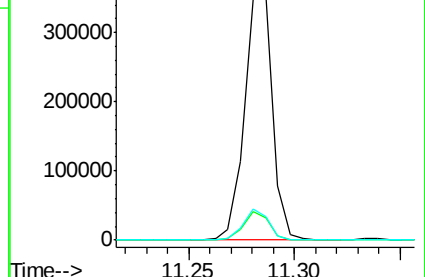
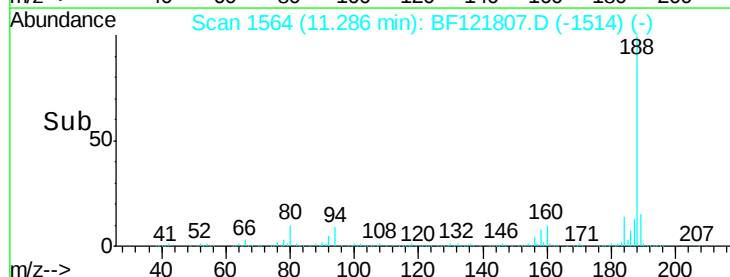
80 9.7 9.1 13.7

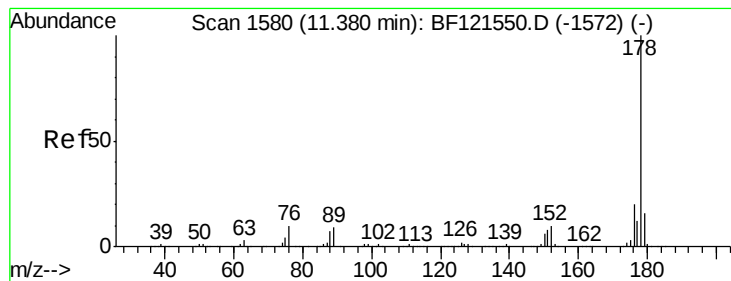


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 15.571 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

ClientSampleId :

B-16(9-11)

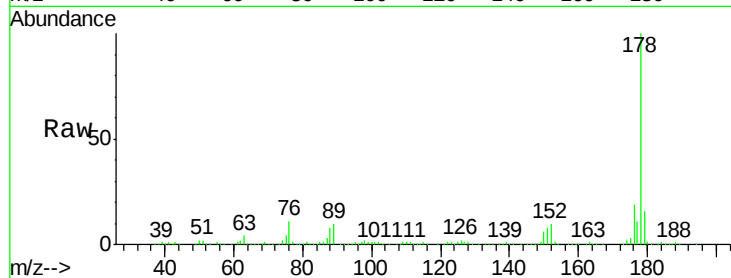
Tot Ion:178 Resp: 276086

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

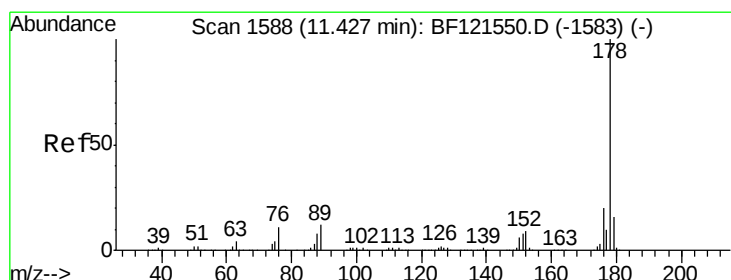
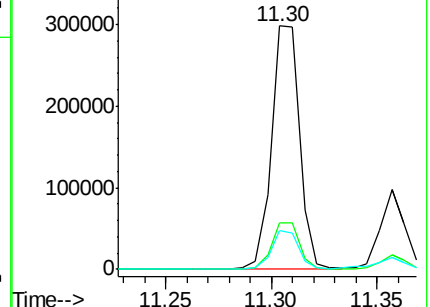
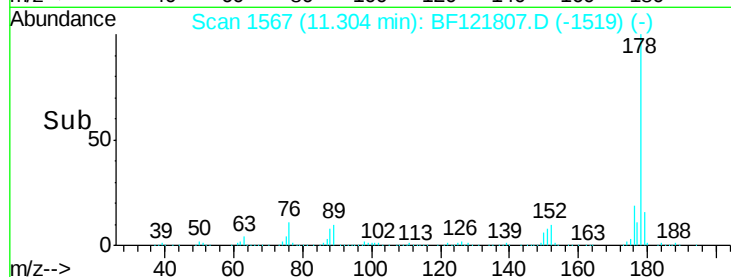
179 15.8 12.2 18.4



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



#72

Anthracene

Concen: 4.206 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

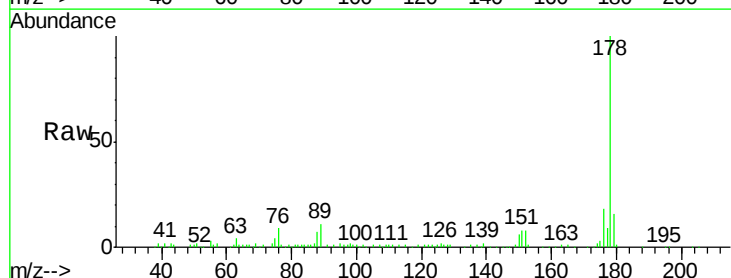
Tgt Ion:178 Resp: 76962

Ion Ratio Lower Upper

178 100

176 17.9 15.7 23.5

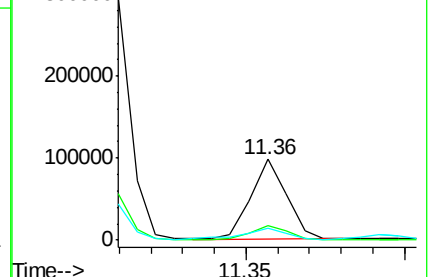
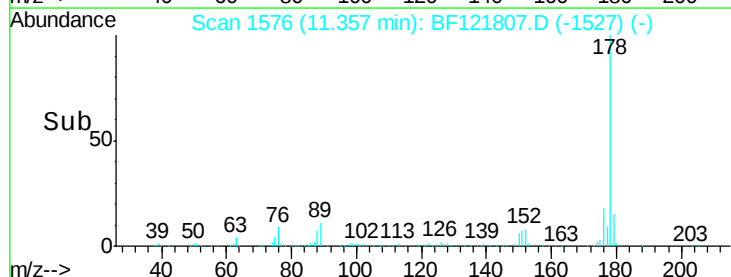
179 15.5 12.7 19.1

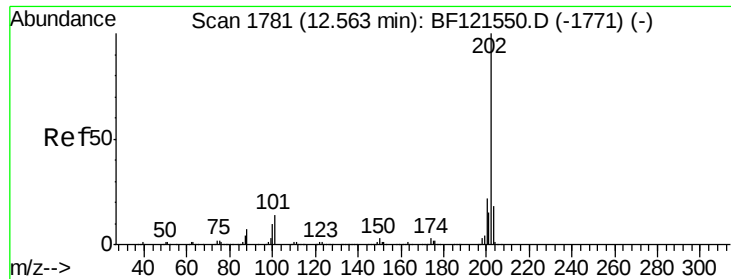


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 22.972 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

ClientSampleId :

B-16(9-11)

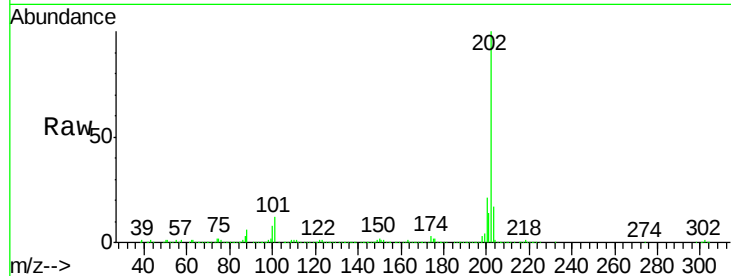
Tot Ion:202 Resp: 434803

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.4

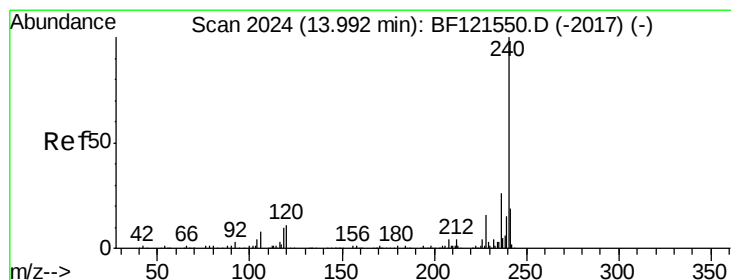
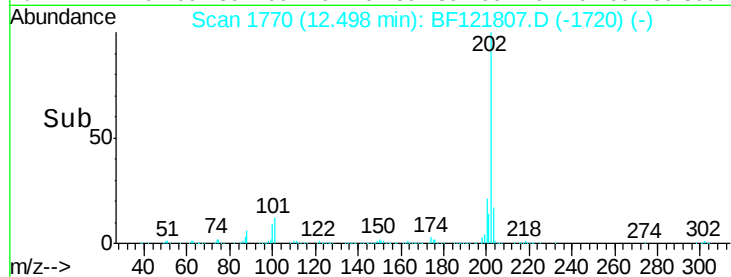
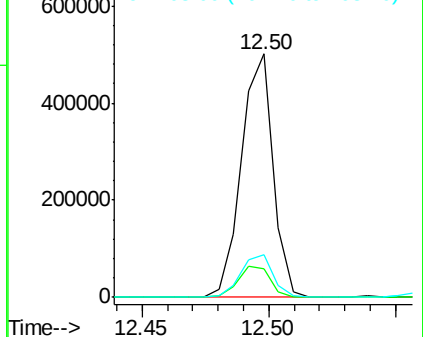
203 17.5 0.0 37.9



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: BF121807.D

Acq: 2 Oct 2020 21:54

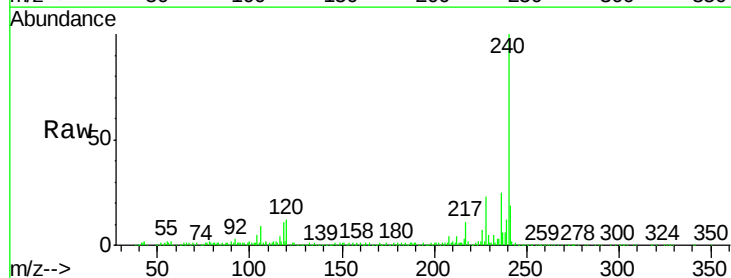
Tgt Ion:240 Resp: 293105

Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

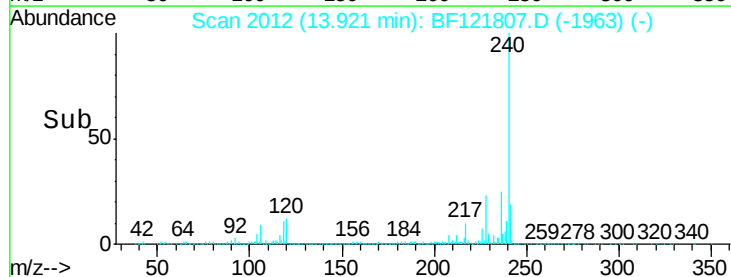
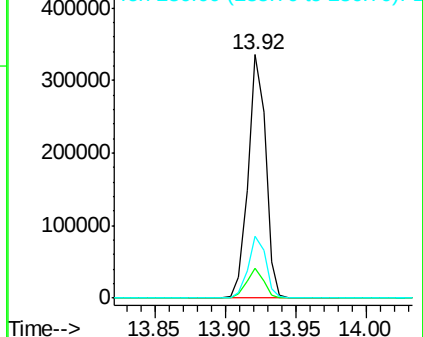
236 25.2 20.9 31.3

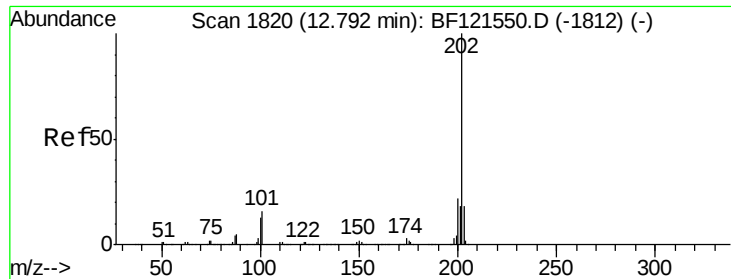


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

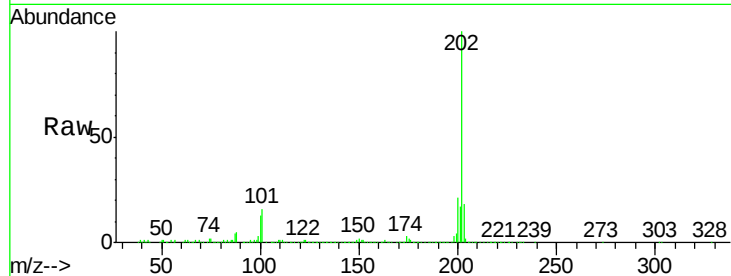




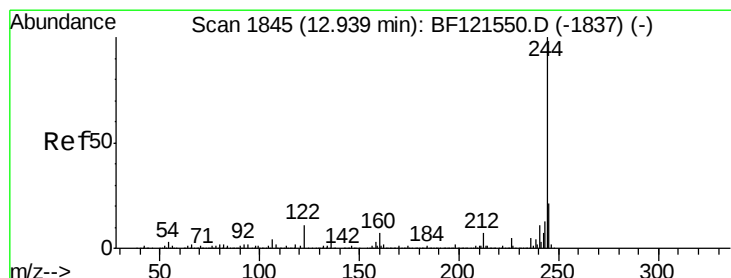
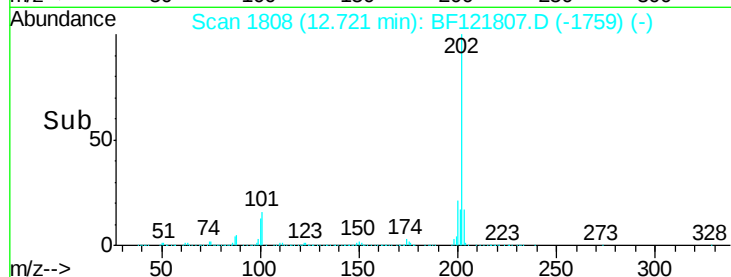
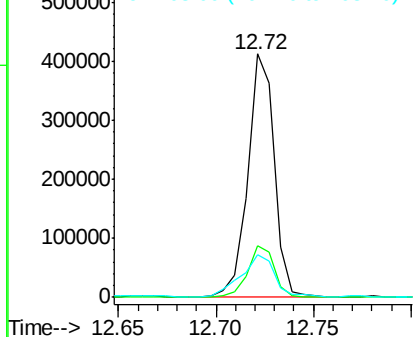
#78
Pvrene
Concen: 17.909 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.6	21.8

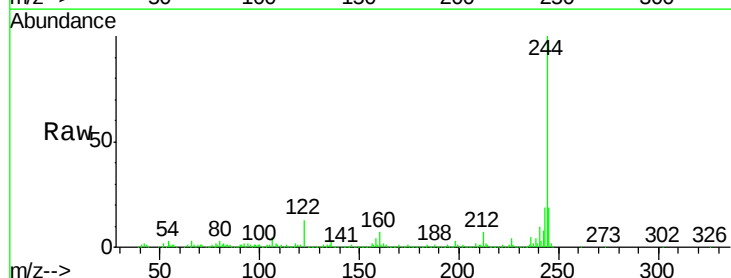


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

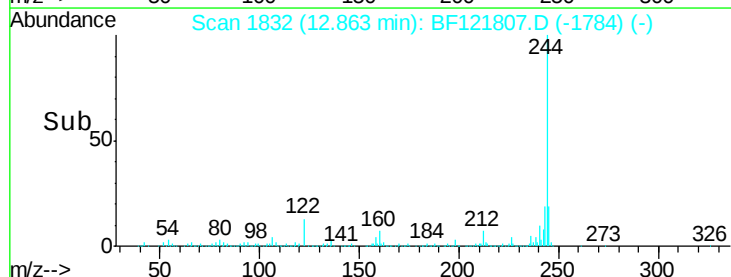
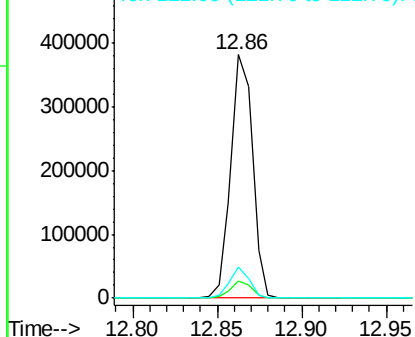


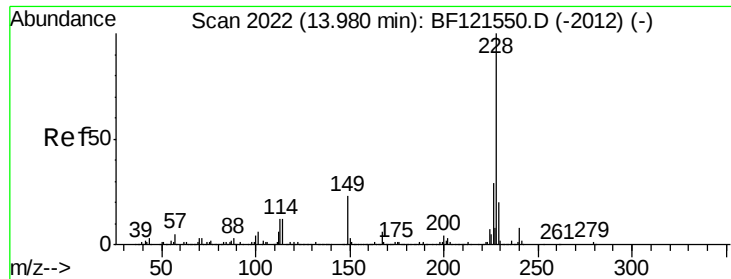
#79
Terphenyl-d14
Concen: 23.675 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	12.7	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

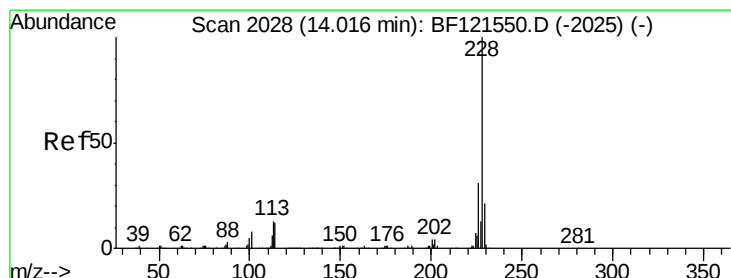
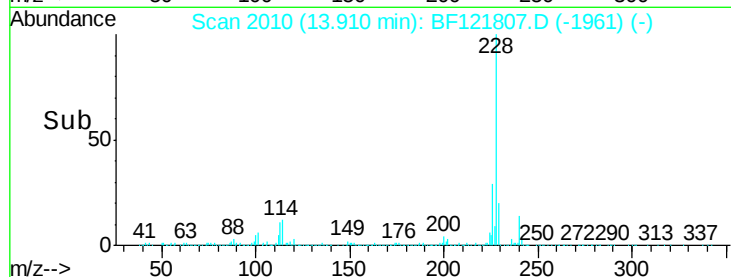
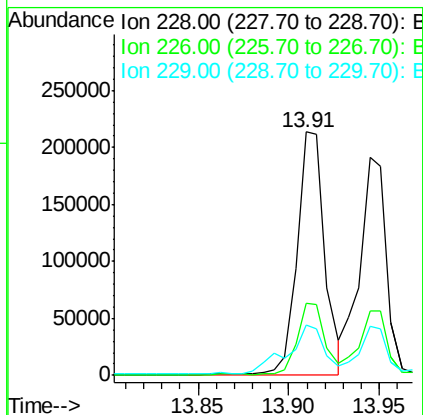
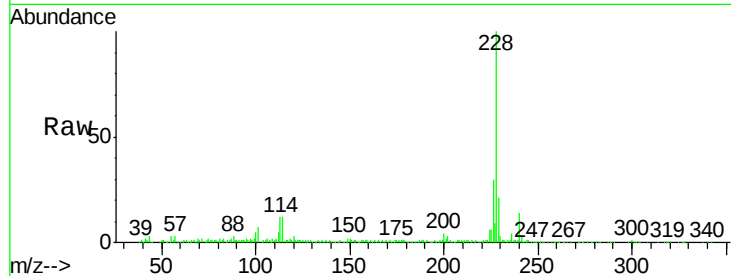




#81
Benzo(a)anthracene
Concen: 12.378 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

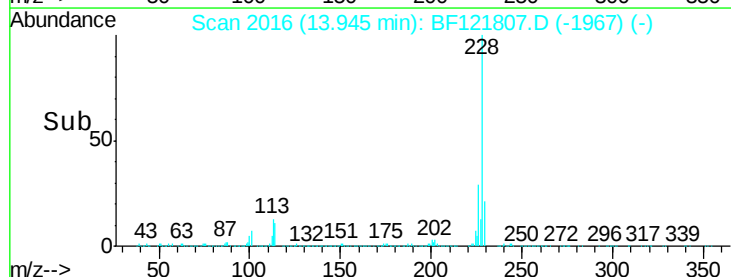
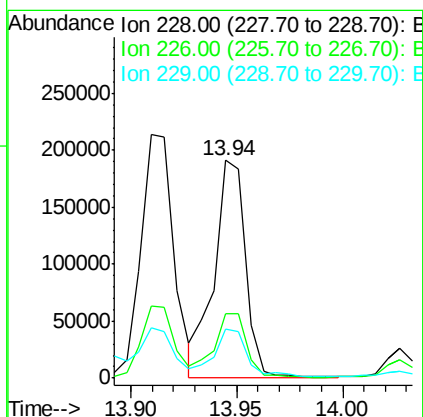
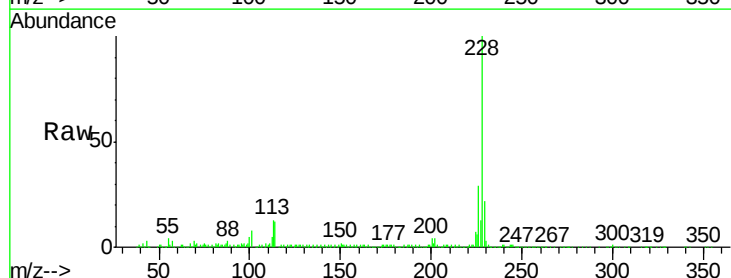
Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

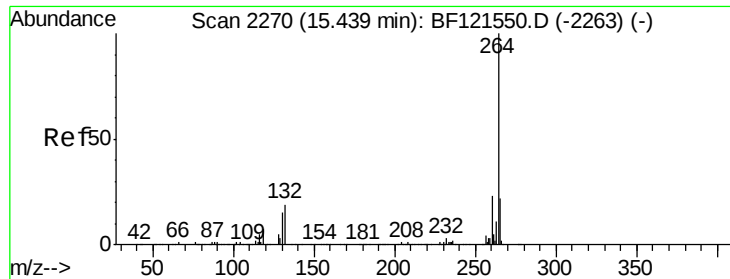
Tot Ion:228 Resp: 229523
Ion Ratio Lower Upper
228 100
226 29.6 22.3 33.5
229 20.6 16.2 24.4



#83
Chrysene
Concen: 10.449 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion:228 Resp: 196215
Ion Ratio Lower Upper
228 100
226 29.4 24.6 37.0
229 22.5 15.9 23.9





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

Instrument :

BNA_F

ClientSampleId :

B-16(9-11)

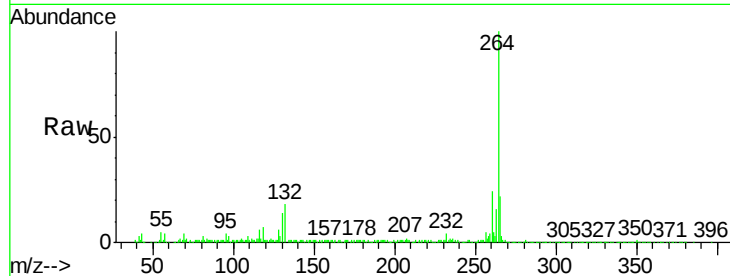
Tot Ion:264 Resp: 255654

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

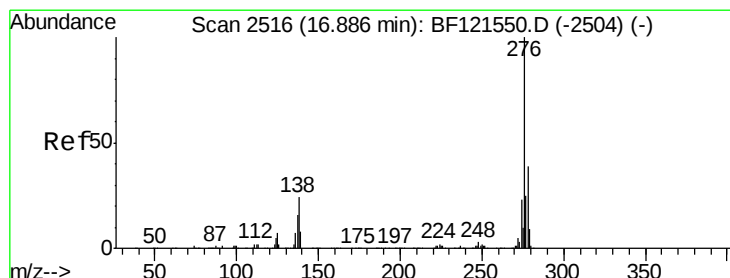
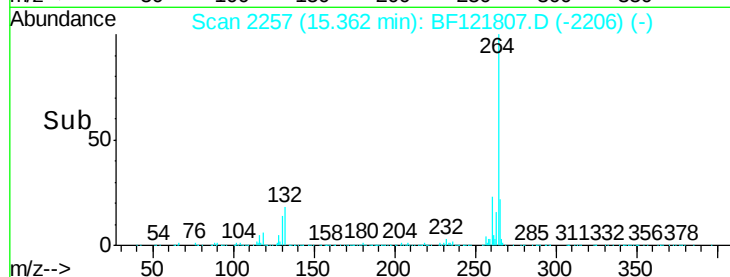
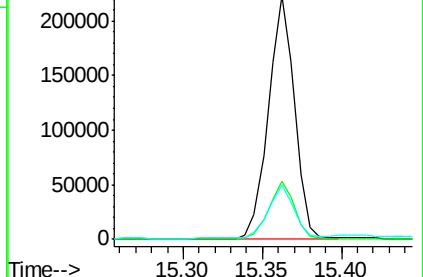
265 22.2 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.669 ng

RT: 16.77 min Scan# 2496

Delta R.T. -0.02 min

Lab File: BF121807.D

Acq: 2 Oct 2020 21:54

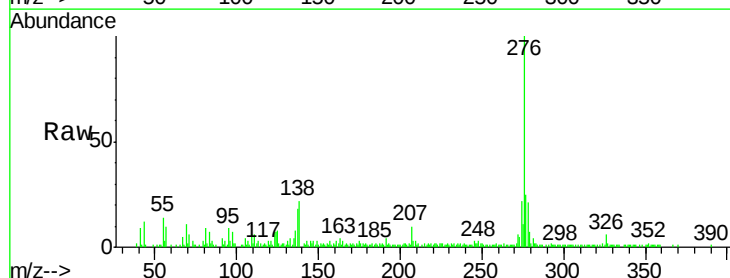
Tgt Ion:276 Resp: 94383

Ion Ratio Lower Upper

276 100

138 22.0 19.9 29.9

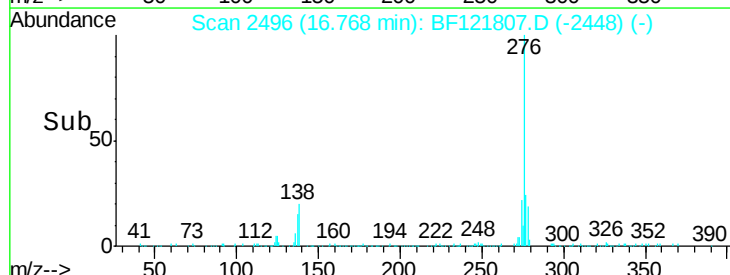
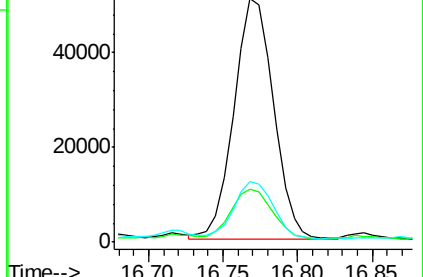
277 23.2 20.4 30.6

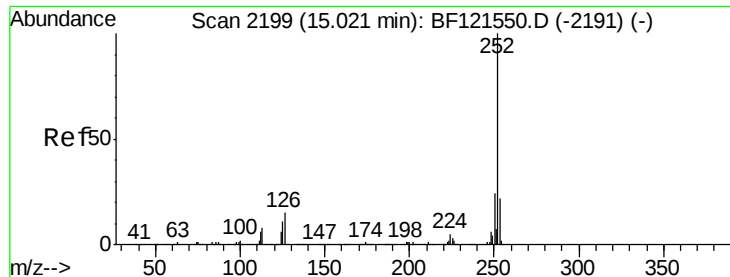


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

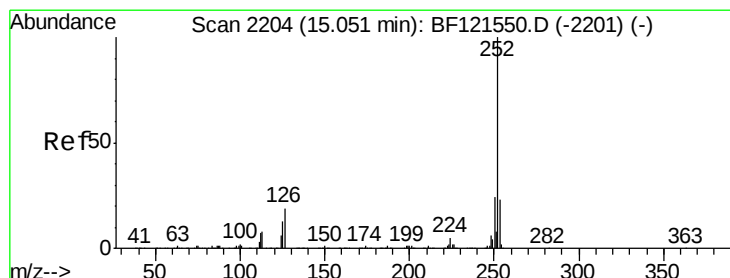
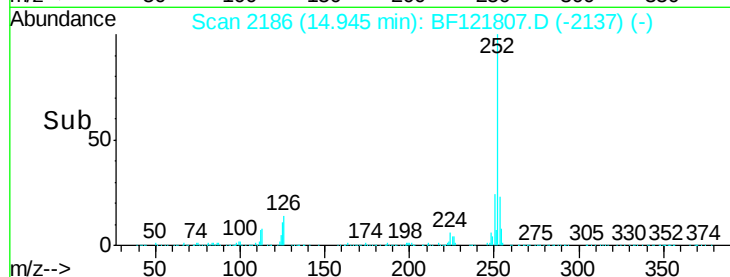
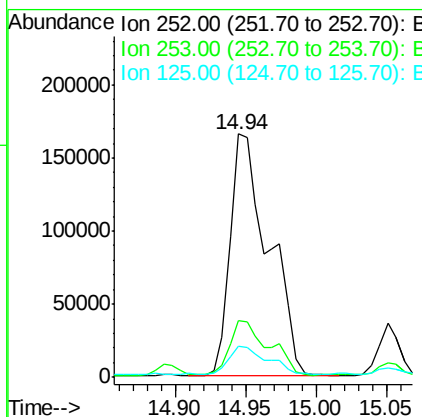
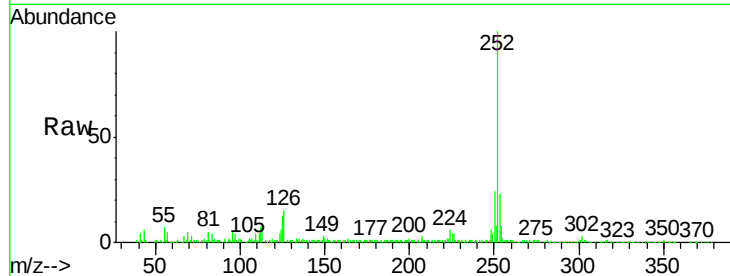




#88
Benzo(b)fluoranthene
Concen: 18.510 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

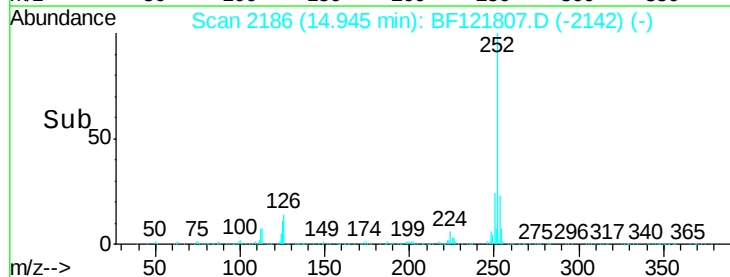
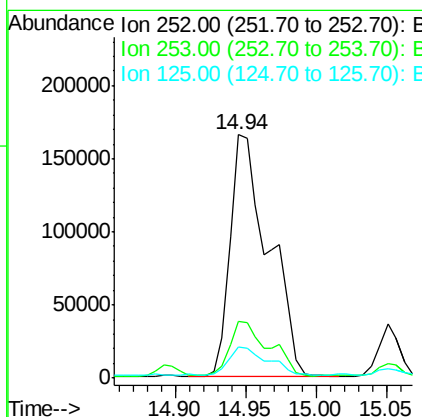
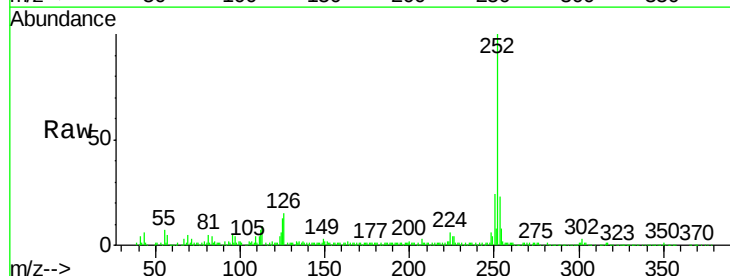
Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

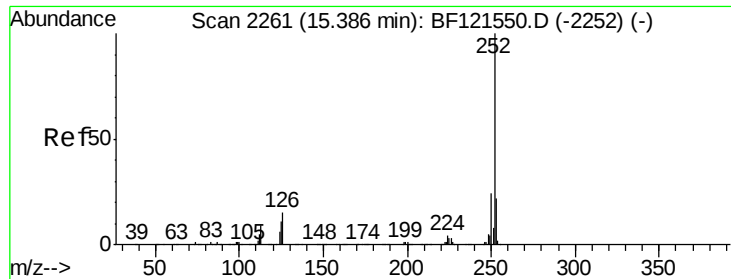
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	12.8	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 20.213 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.8	7.7	11.5#

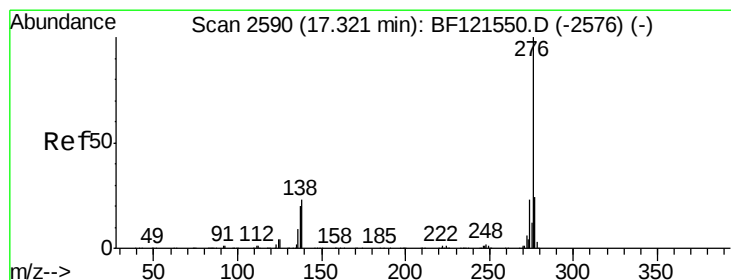
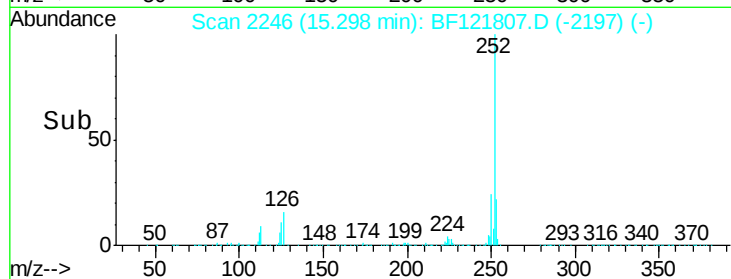
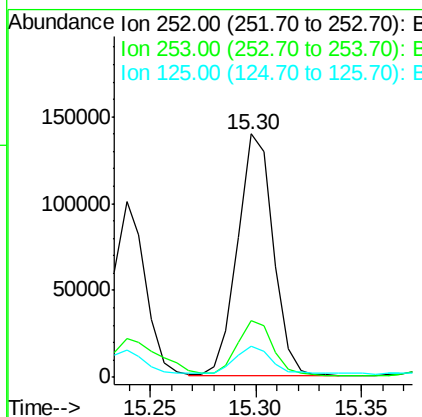
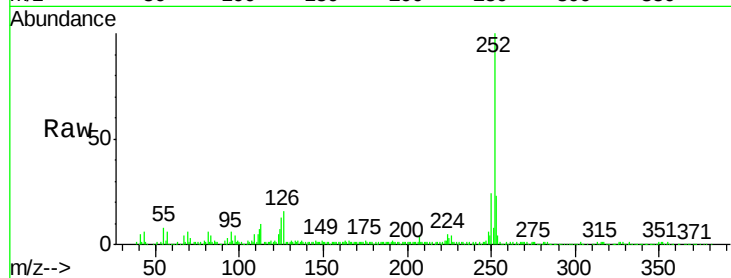




#90
Benzo(a)pyrene
Concen: 11.253 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Instrument :
BNA_F
ClientSampleId :
B-16(9-11)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	12.9	8.6	13.0



#92
Benzo(g,h,i)perylene
Concen: 6.206 ng
RT: 17.20 min Scan# 2569
Delta R.T. -0.01 min
Lab File: BF121807.D
Acq: 2 Oct 2020 21:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.2
138	22.4	17.8	26.6

