

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121777.D
 Acq On : 1 Oct 2020 20:18
 Operator : JU/CG
 Sample : L4193-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-12(3-4)

Quant Time: Oct 02 00:38:18 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	6.77	152	144293	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	548966	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	250936	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	385994	20.00	ng	0.00
76) Chrysene-d12	13.94	240	314168	20.00	ng	0.00
86) Perylene-d12	15.38	264	272463	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	175732	18.10	ng	0.00
7) Phenol-d6	6.41	99	220957	17.35	ng	0.00
23) Nitrobenzene-d5	7.33	82	133795	13.09	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	41320	13.25	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	255450	15.42	ng	0.00
79) Terphenyl-d14	12.87	244	186001	11.99	ng	0.00

Target Compounds

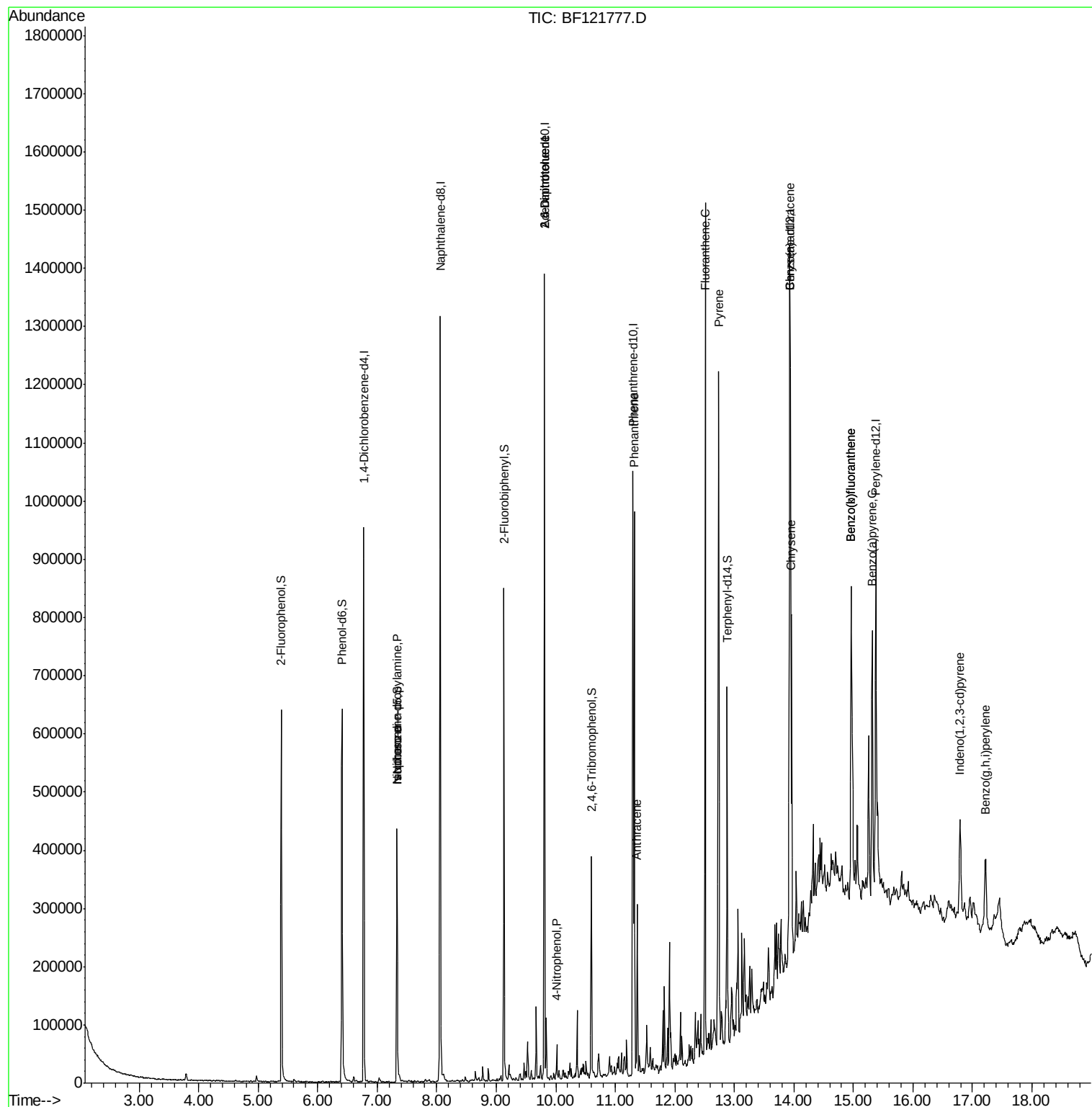
						Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	16820	2.291	ng	# 81
25) Isophorone	7.33	82	133793	6.501	ng	# 67
51) 2,6-Dinitrotoluene	9.81	165	32290	8.337	ng	# 21
56) 4-Nitrophenol	10.02	139	7460	2.085	ng	# 15
57) 2,4-Dinitrotoluene	9.81	165	32290	6.626	ng	# 20
71) Phenanthrene	11.32	178	342967	16.308	ng	99
72) Anthracene	11.37	178	106389	4.902	ng	97
75) Fluoranthene	12.51	202	532609	23.724	ng	98
78) Pyrene	12.74	202	474781	20.684	ng	98
81) Benzo(a)anthracene	13.93	228	272953	13.733	ng	95
83) Chrysene	13.96	228	244563	12.151	ng	97
87) Indeno(1,2,3-cd)pyrene	16.79	276	104621	5.896	ng	96
88) Benzo(b)fluoranthene	14.96	252	378977	20.806	ng	# 97
89) Benzo(k)fluoranthene	14.96	252	378977	22.721	ng	# 96
90) Benzo(a)pyrene	15.32	252	195983	12.658	ng	97
92) Benzo(g,h,i)perylene	17.22	276	95805	6.599	ng	99

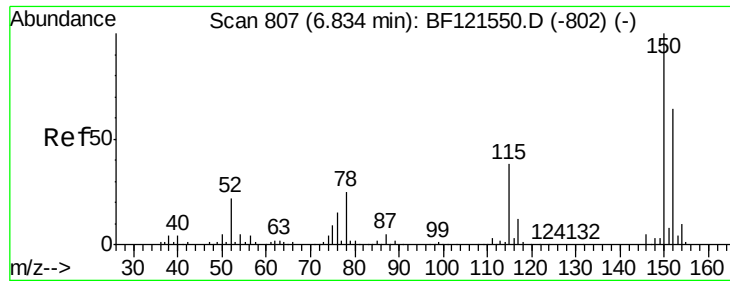
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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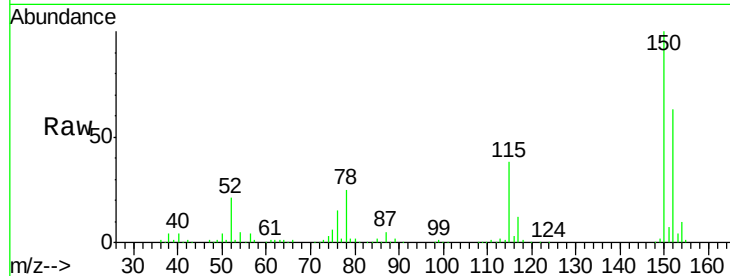




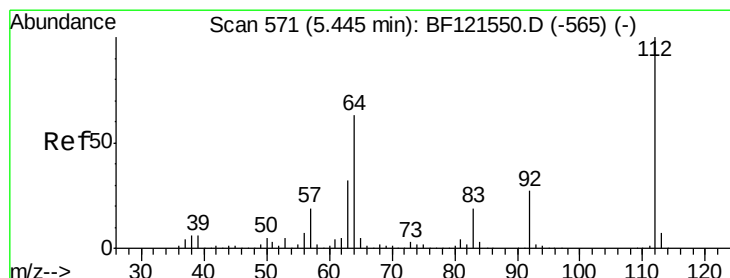
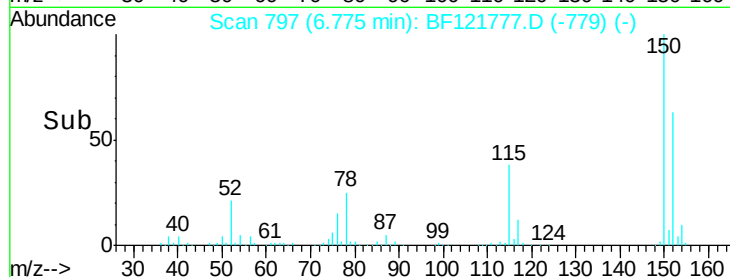
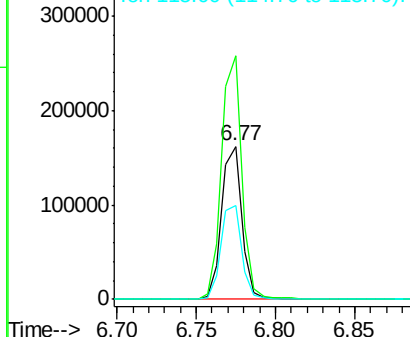
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 B-12(3-4)

Tot Ion:152 Resp: 144293
 Ion Ratio Lower Upper
 152 100
 150 158.8 125.3 187.9
 115 61.0 51.9 77.9

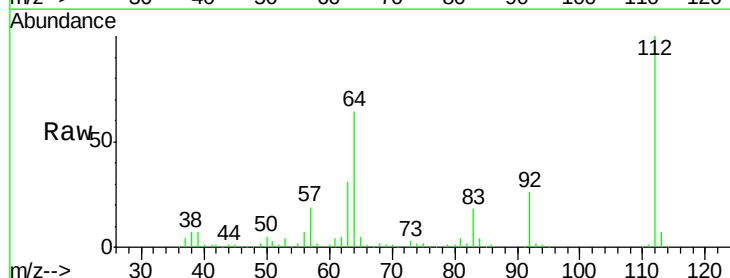


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

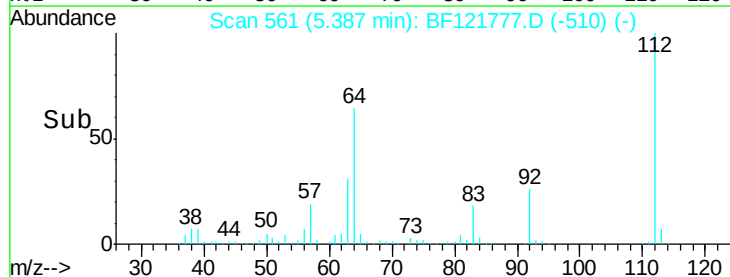
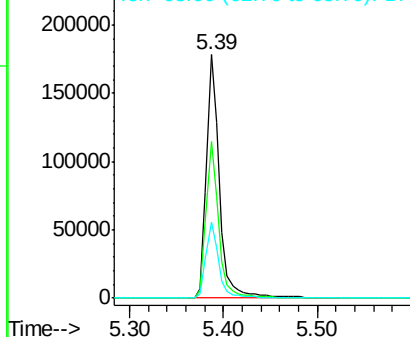


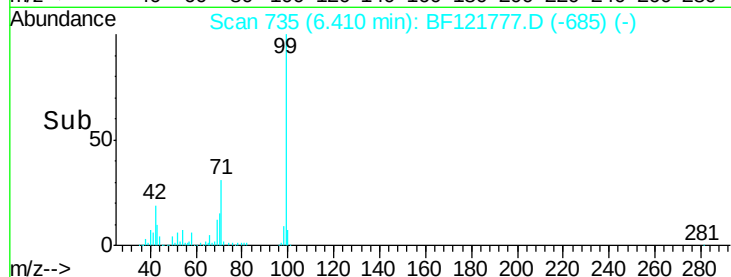
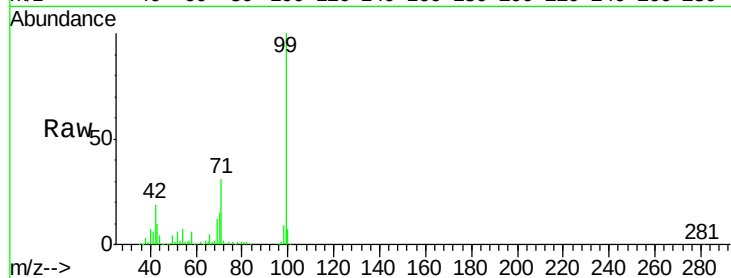
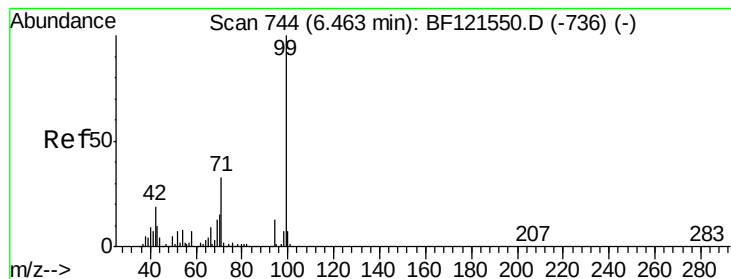
#5
 2-Fluorophenol
 Concen: 18.099 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Tgt Ion:112 Resp: 175732
 Ion Ratio Lower Upper
 112 100
 64 64.1 50.4 75.6
 63 31.0 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: 17.346 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

ClientSampleId :

B-12(3-4)

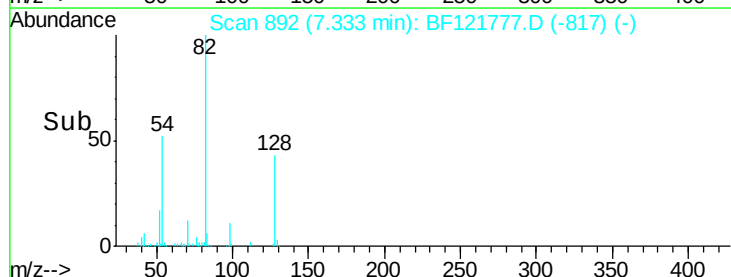
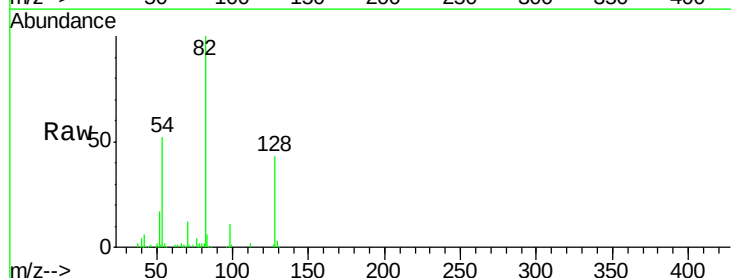
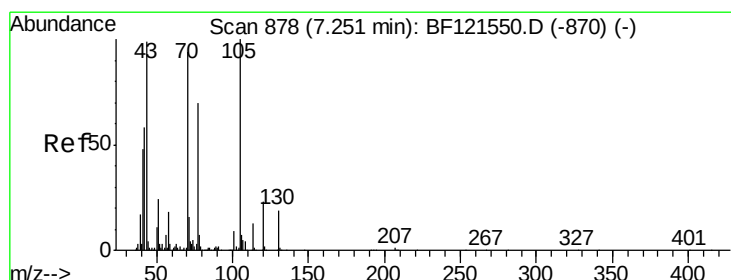
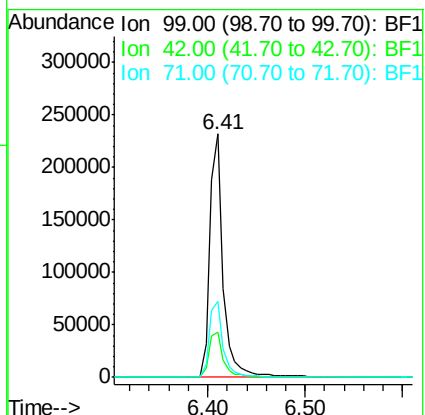
Tot Ion: 99 Resp: 220957

Ion Ratio Lower Upper

99 100

42 18.7 15.9 23.9

71 31.2 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.291 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.14 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Tgt Ion: 70 Resp: 16820

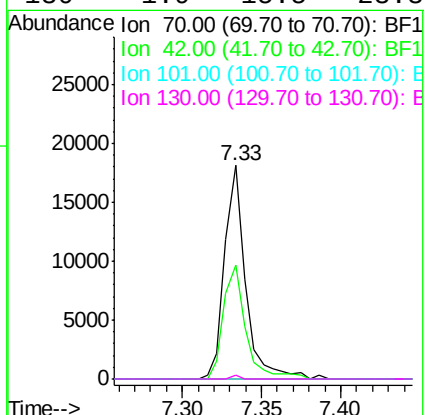
Ion Ratio Lower Upper

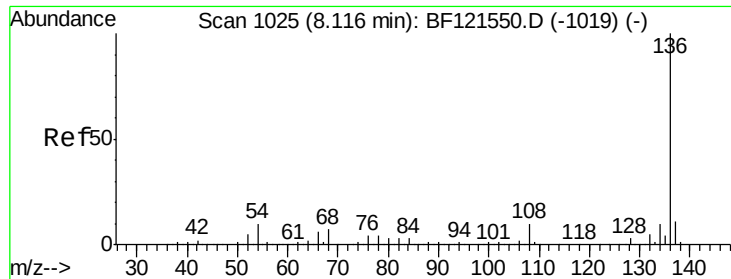
70 100

42 53.4 50.2 75.4

101 0.0 7.5 11.3#

130 1.9 15.5 23.3#

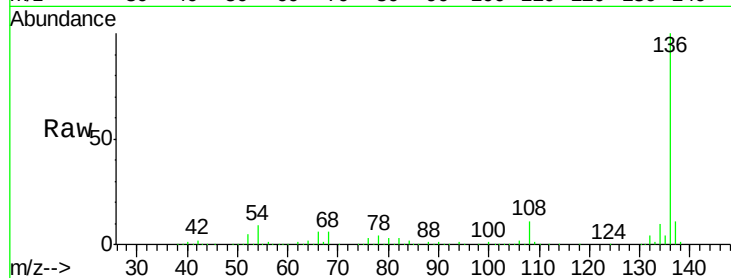




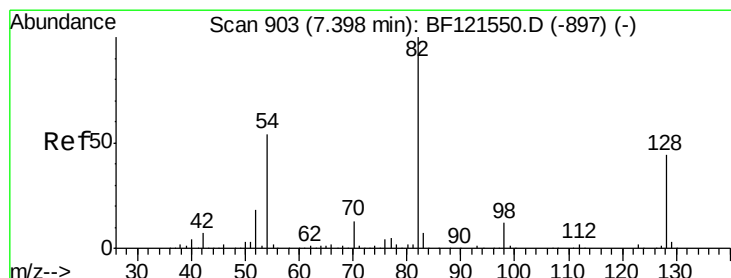
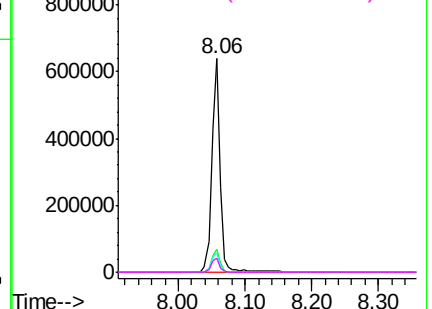
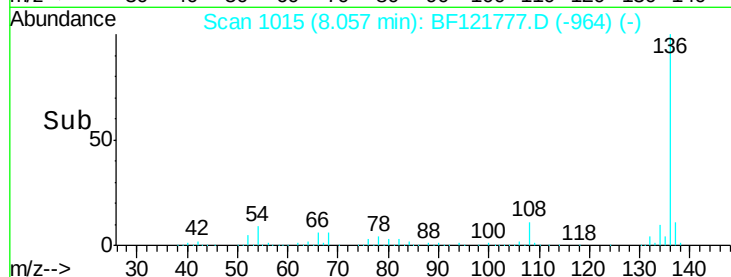
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Instrument :
BNA_F
ClientSampled :
B-12(3-4)

Tot Ion:136 Resp: 548966
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.1 7.1 10.7
68 6.4 5.0 7.4

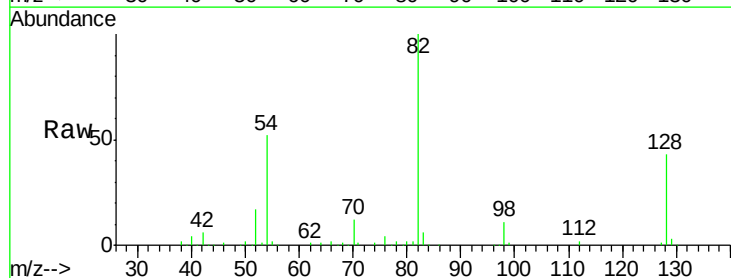


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

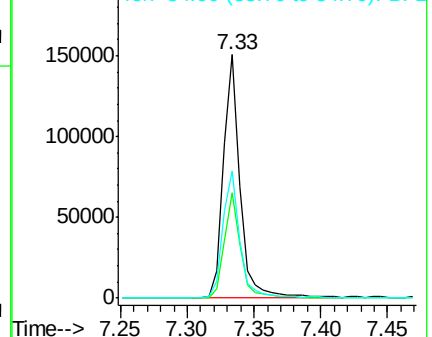
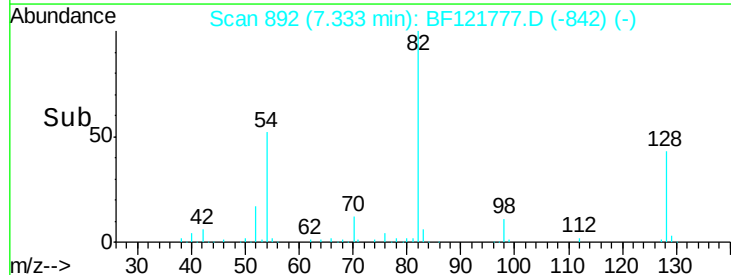


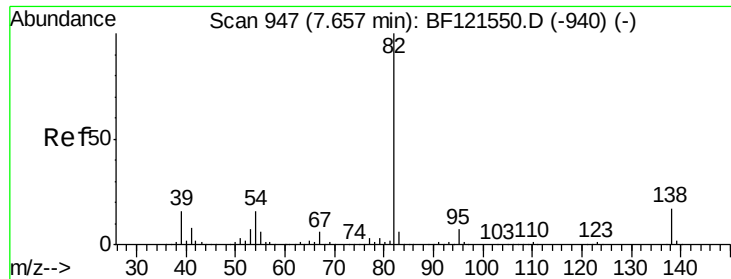
#23
Nitrobenzene-d5
Concen: 13.086 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Tgt Ion: 82 Resp: 133795
Ion Ratio Lower Upper
82 100
128 43.2 35.0 52.4
54 52.4 43.9 65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.501 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

ClientSampleId :

B-12(3-4)

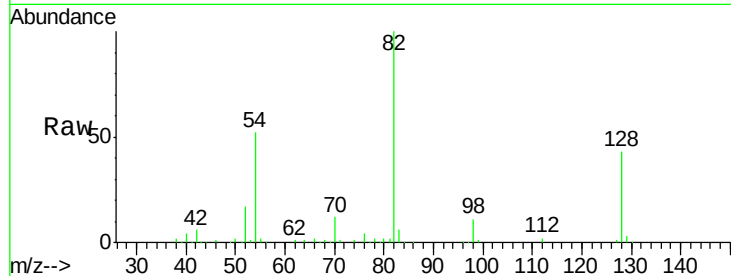
Tot Ion: 82 Resp: 133793

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.4 20.0#

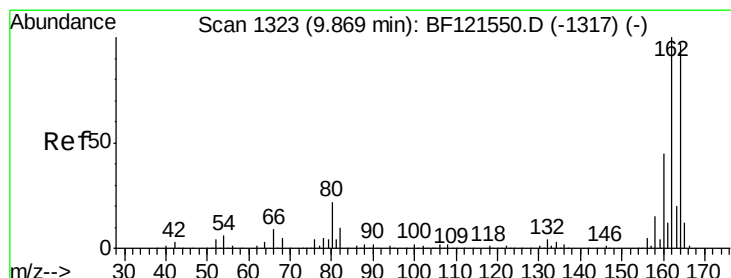
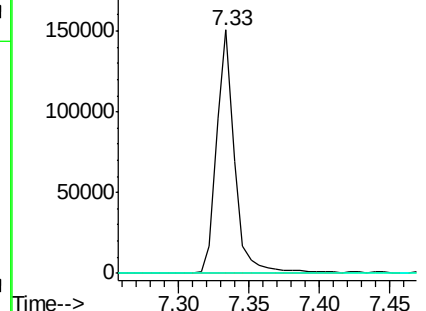
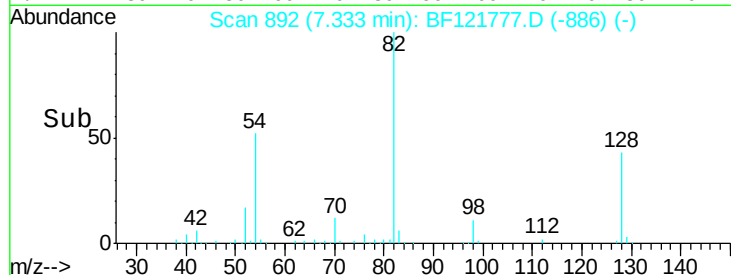


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

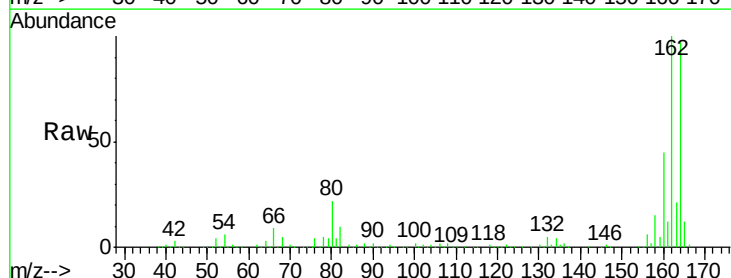
Tgt Ion: 164 Resp: 250936

Ion Ratio Lower Upper

164 100

162 103.0 83.2 124.8

160 46.5 37.5 56.3

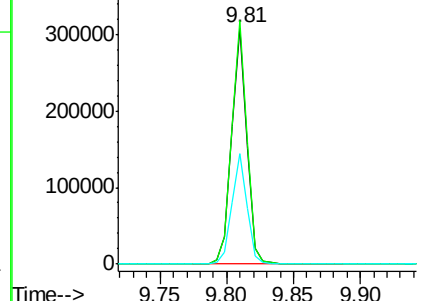
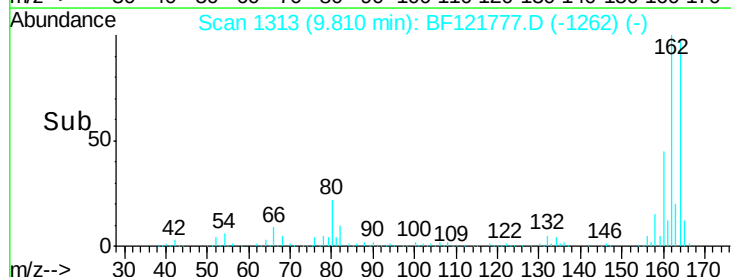


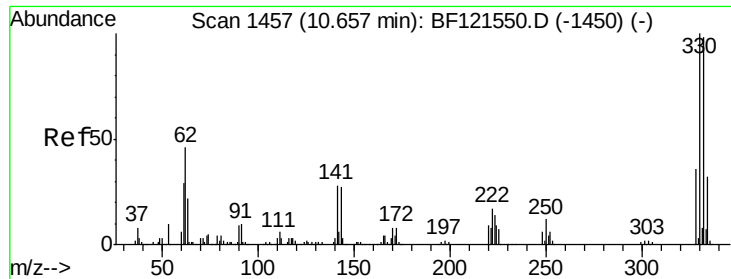
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->

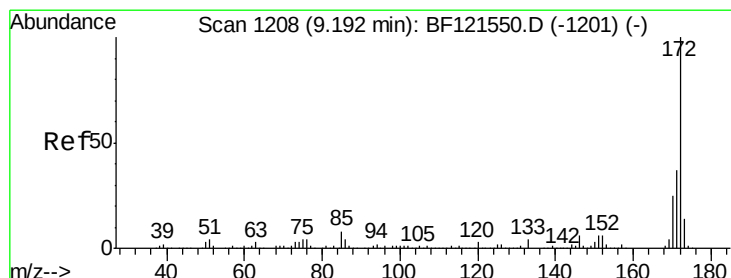
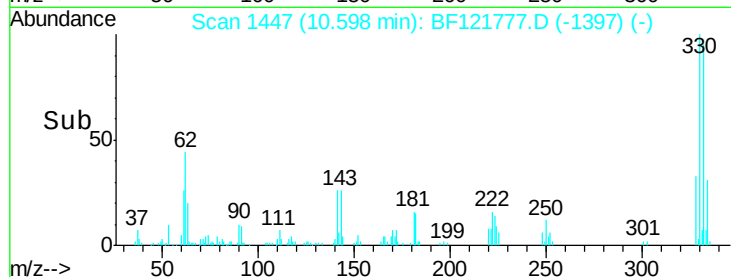
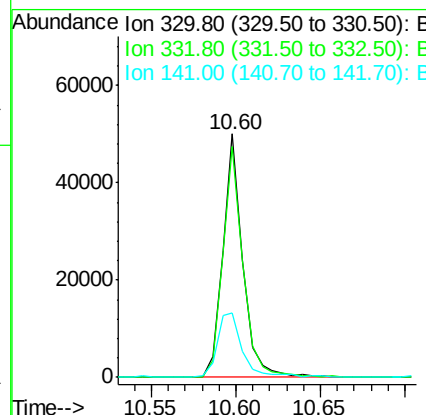
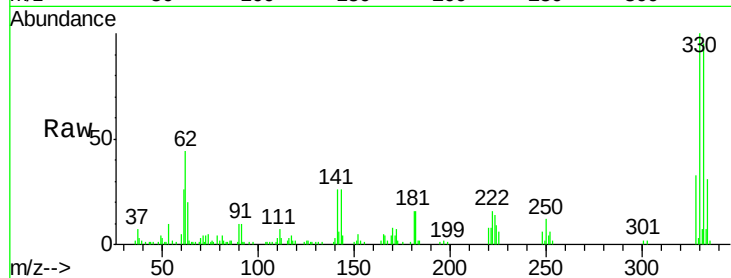




#42
 2,4,6-Tribromophenol
 Concen: 13.249 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

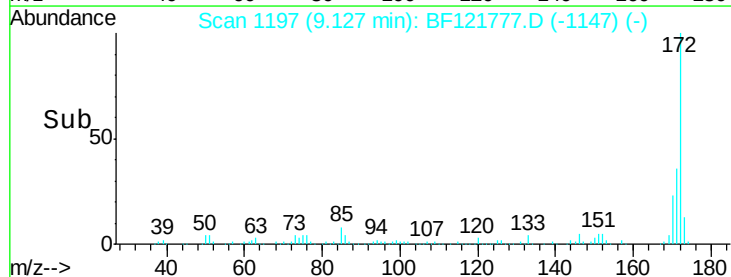
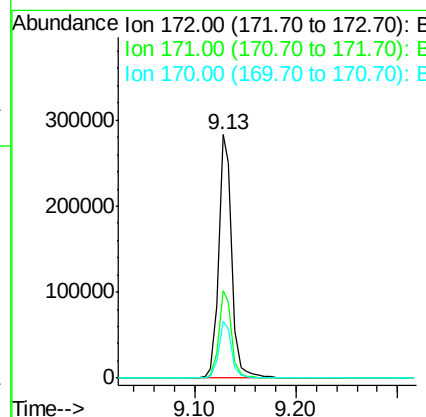
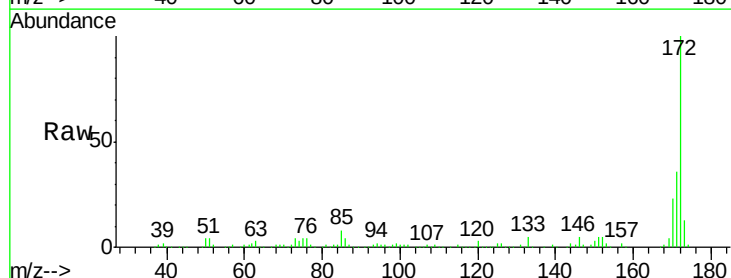
Instrument :
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 ClientSampleId :
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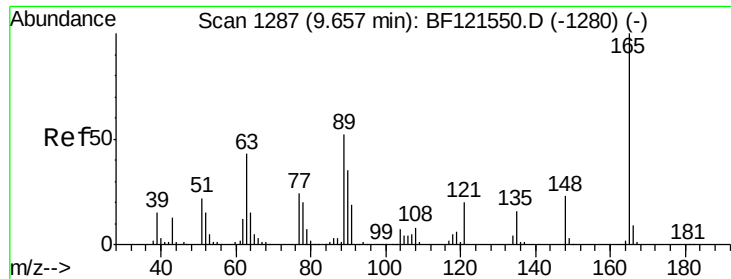
Tot Ion:330 Resp: 41320
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.3 115.9
 141 33.5 22.3 33.5



#45
 2-Fluorobiphenyl
 Concen: 15.418 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Tgt Ion:172 Resp: 255450
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.1 43.7
 170 23.0 19.8 29.6

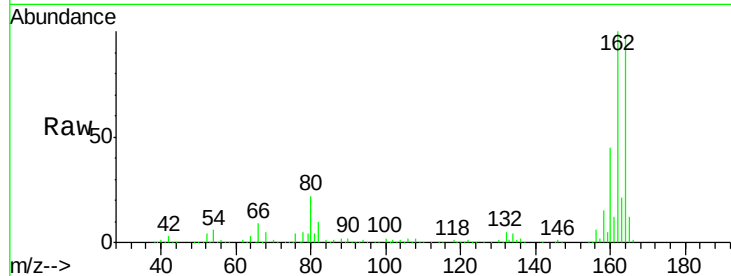




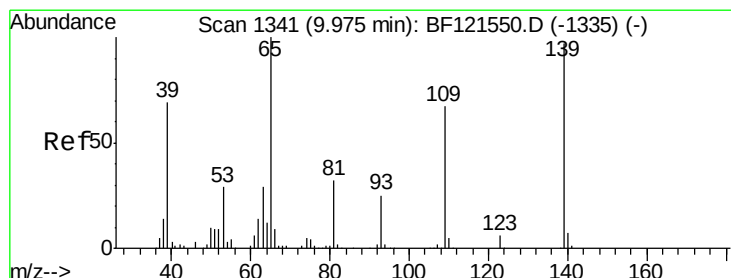
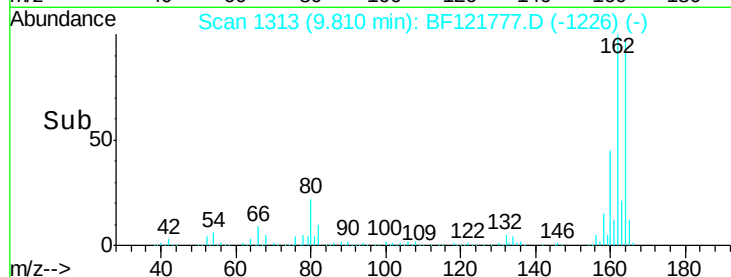
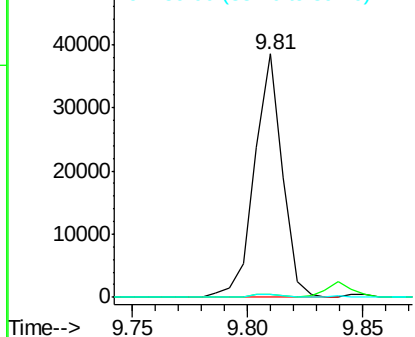
#51
 2,6-Dinitrotoluene
 Concen: 8.337 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.21 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Instrument :
 BNA_F
 ClientSampled :
 B-12(3-4)

Tot Ion:165 Resp: 32290
 Ion Ratio Lower Upper
 165 100
 63 1.5 51.8 77.6#
 89 1.5 49.0 73.6#

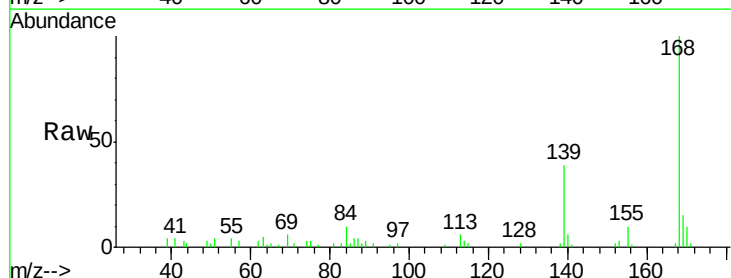


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

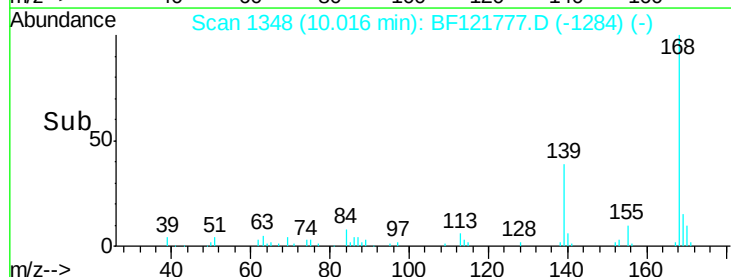
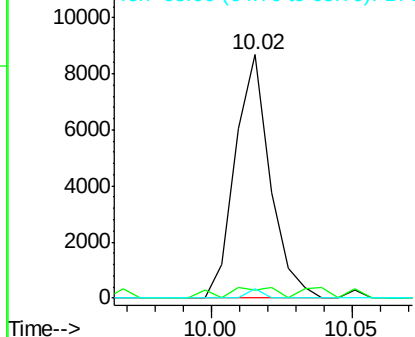


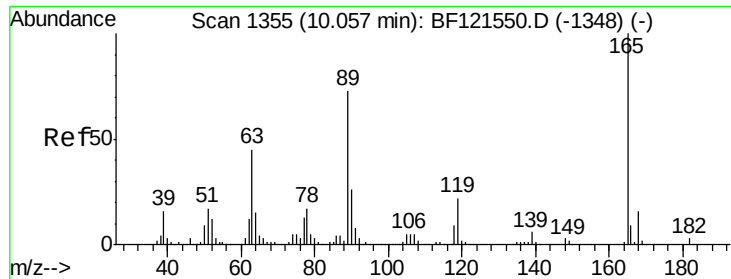
#56
 4-Nitrophenol
 Concen: 2.085 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.08 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Tgt Ion:139 Resp: 7460
 Ion Ratio Lower Upper
 139 100
 109 3.5 45.4 85.4#
 65 3.9 68.4 108.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

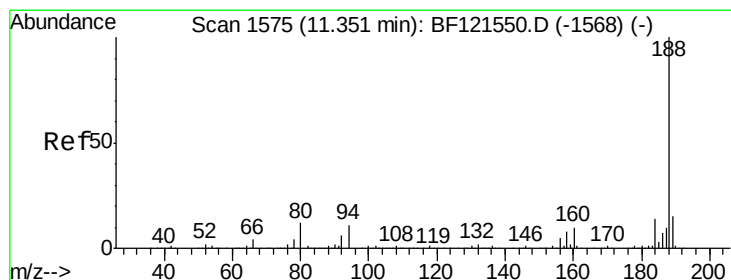
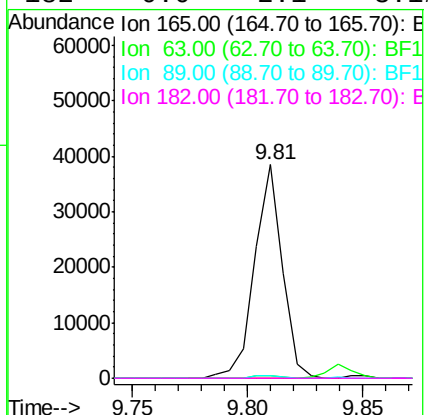
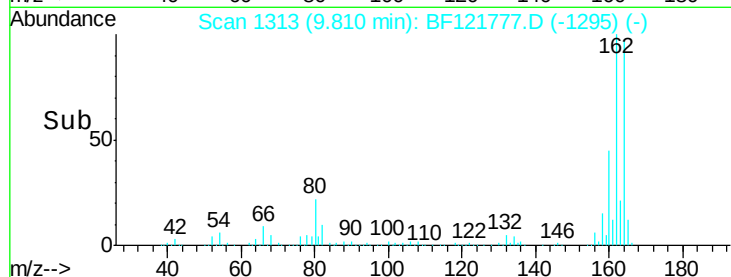
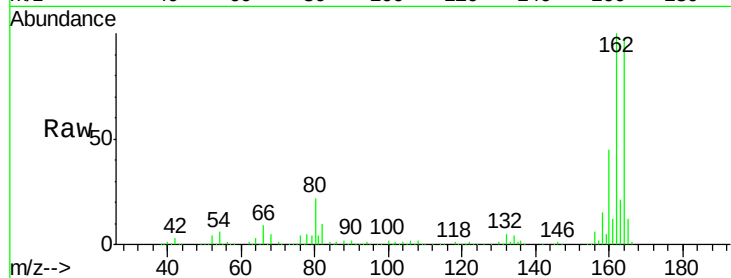




#57
 2,4-Dinitrotoluene
 Concen: 6.626 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

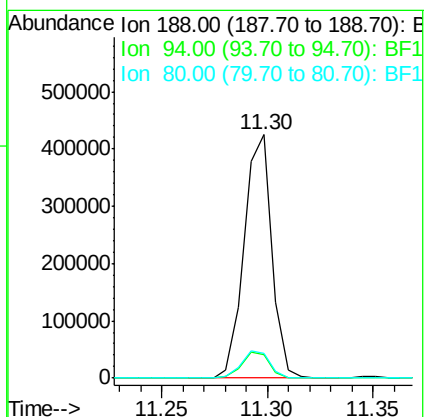
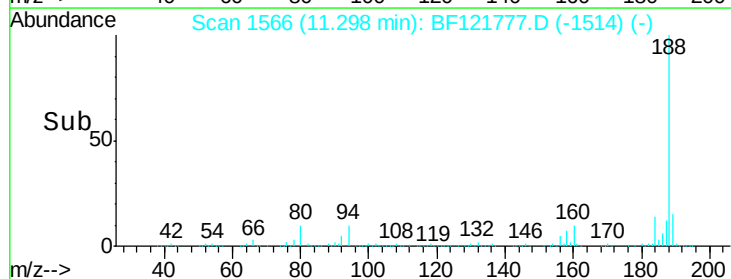
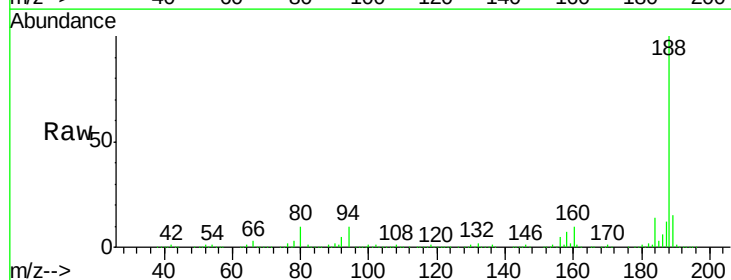
Instrument :
 BNA_F
 ClientSampleId :
 B-12(3-4)

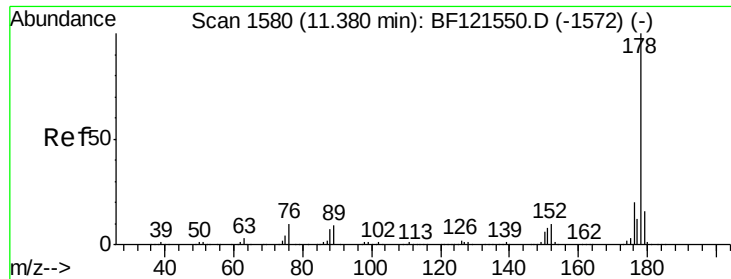
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.3	61.9#
89	1.5	61.8	92.8#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.3	12.5
80	10.2	9.1	13.7





#71

Phenanthrene

Concen: 16.308 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

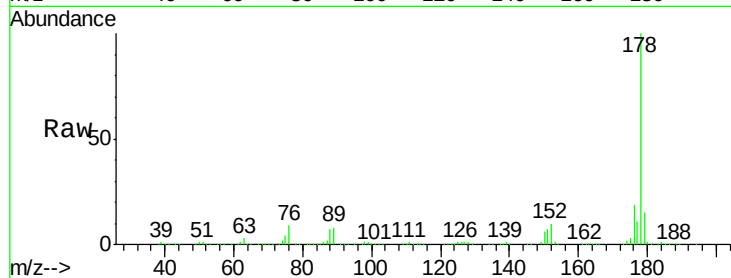
BNA_F

ClientSampleId :

B-12(3-4)

Tot Ion:178 Resp: 342967

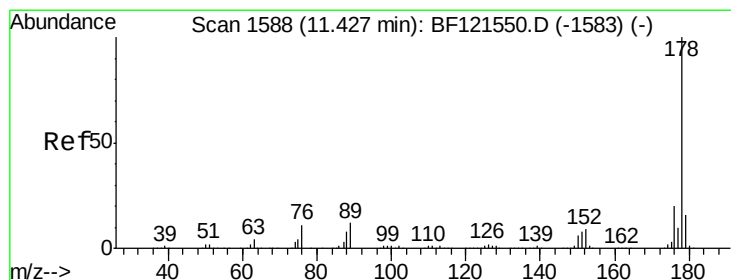
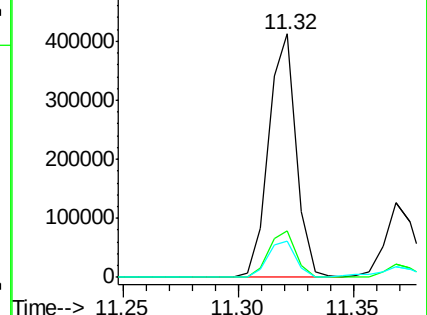
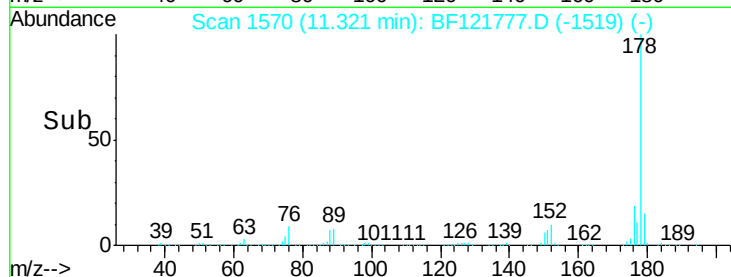
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.1	12.2	18.4



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



#72

Anthracene

Concen: 4.902 ng

RT: 11.37 min Scan# 1578

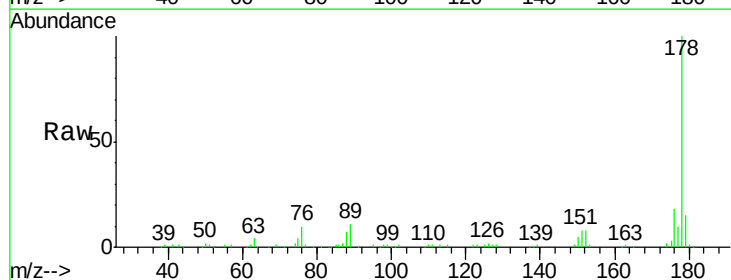
Delta R.T. 0.00 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Tgt Ion:178 Resp: 106389

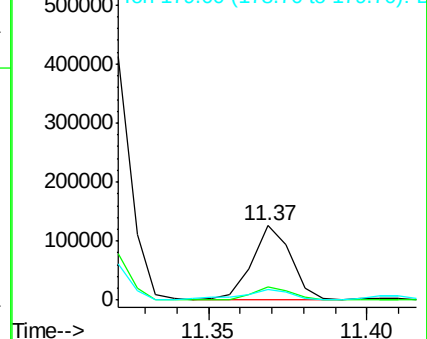
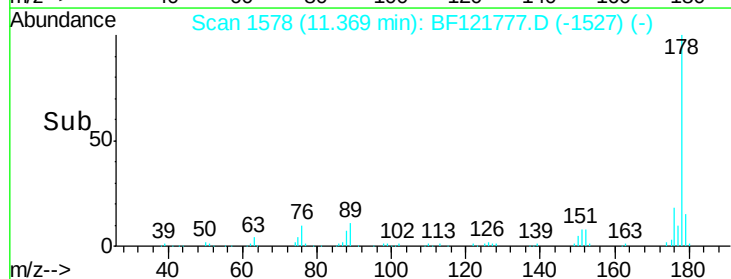
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.7	23.5
179	14.8	12.7	19.1

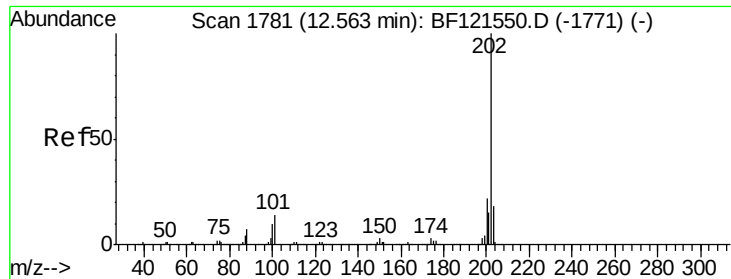


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 23.724 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

ClientSampleId :

B-12(3-4)

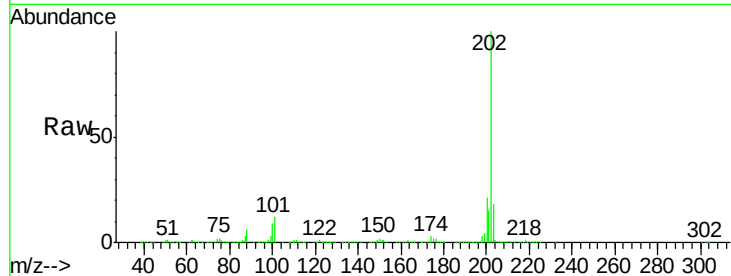
Tot Ion:202 Resp: 532609

Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.4

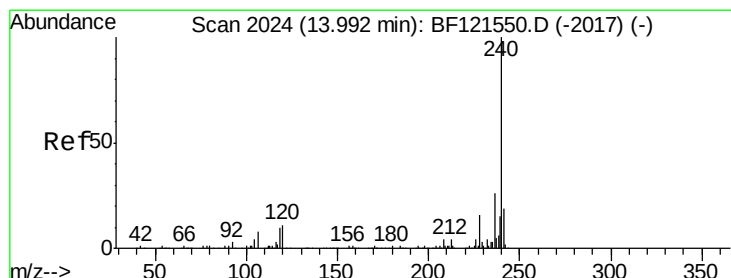
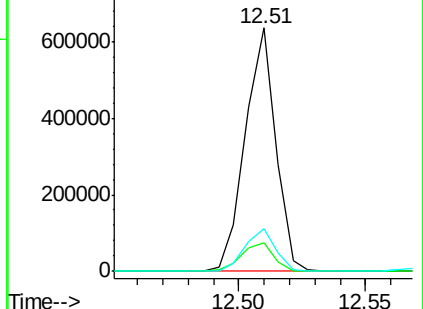
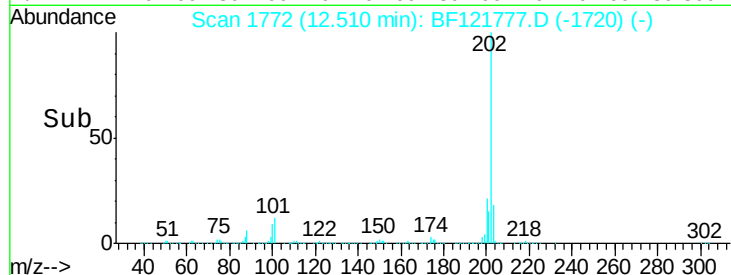
203 17.6 0.0 37.9



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: 13.94 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

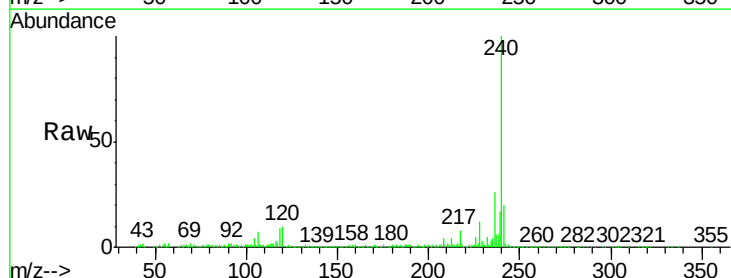
Tgt Ion:240 Resp: 314168

Ion Ratio Lower Upper

240 100

120 10.2 9.2 13.8

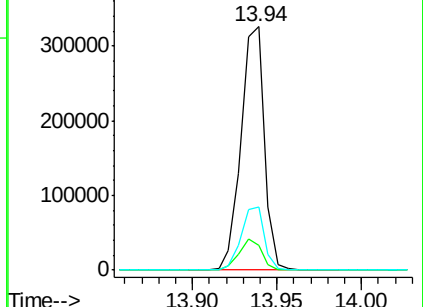
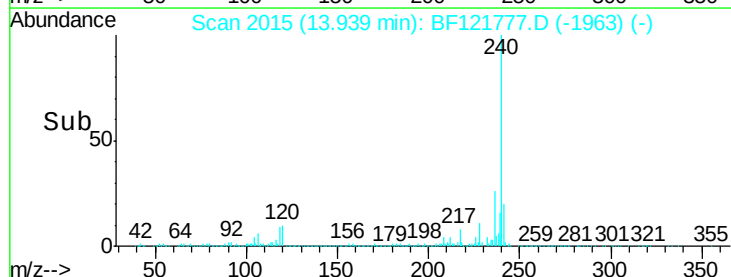
236 26.2 20.9 31.3

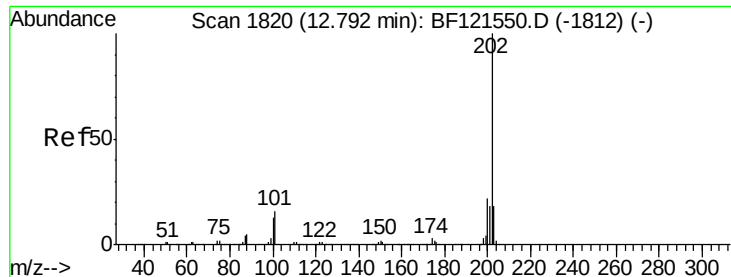


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

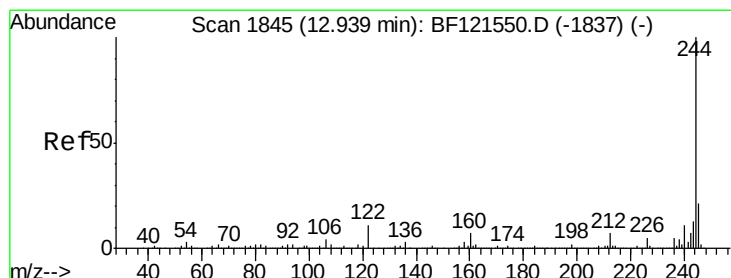
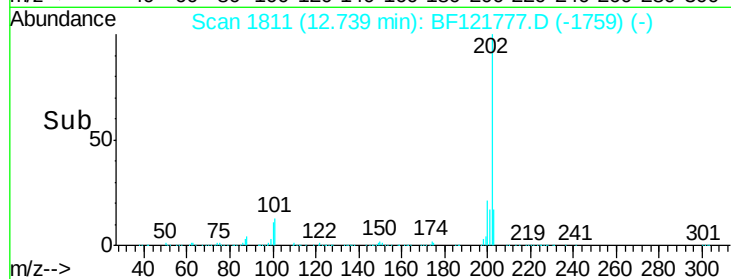
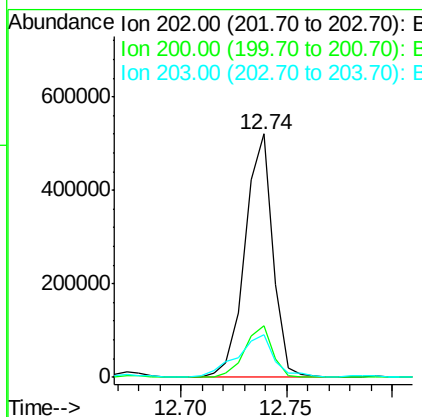
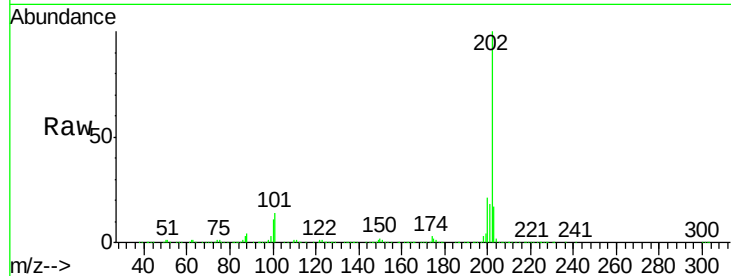




#78
Pvrene
Concen: 20.684 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

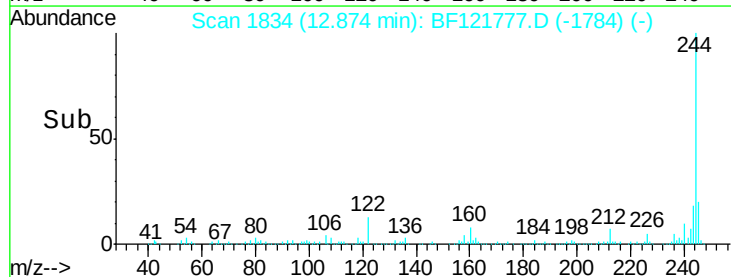
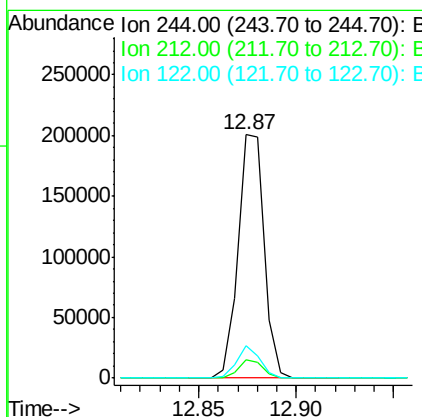
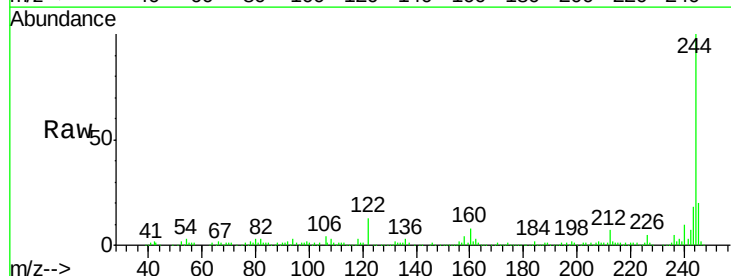
Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

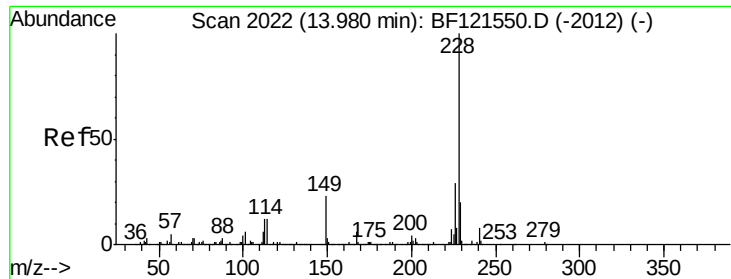
Tot Ion:202 Resp: 474781
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.4 14.6 21.8



#79
Terphenyl-d14
Concen: 11.994 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Tgt Ion:244 Resp: 186001
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 13.1 8.1 12.1#

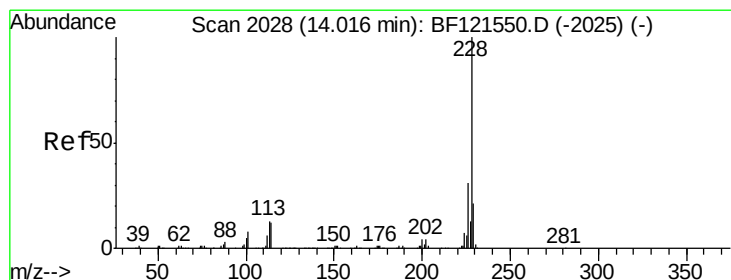
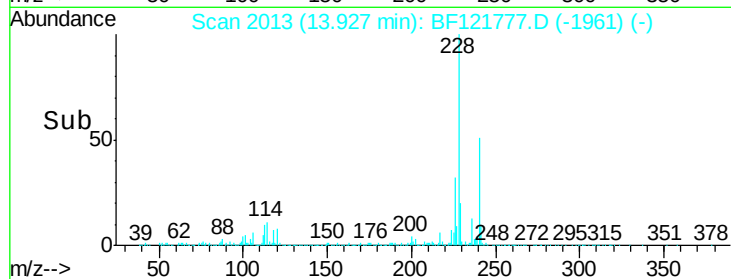
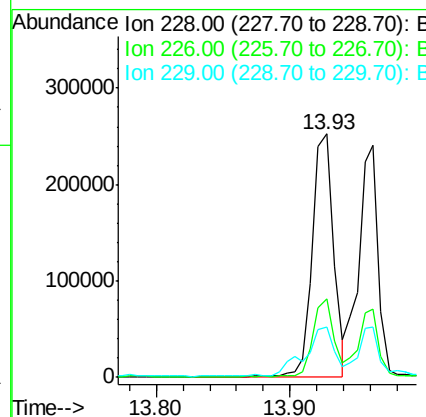
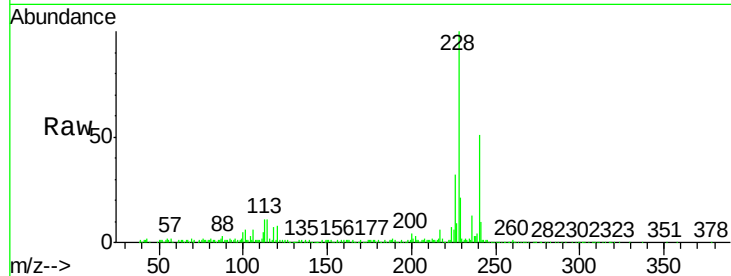




#81
Benzo(a)anthracene
Concen: 13.733 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

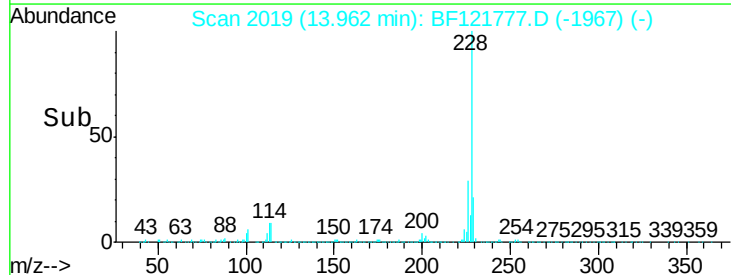
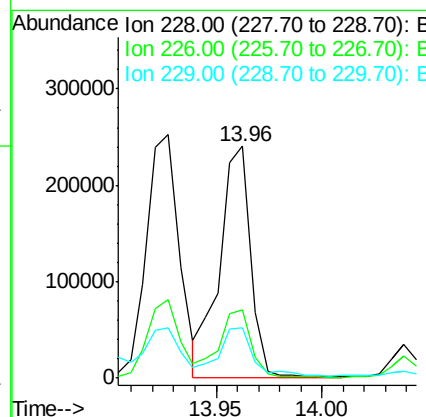
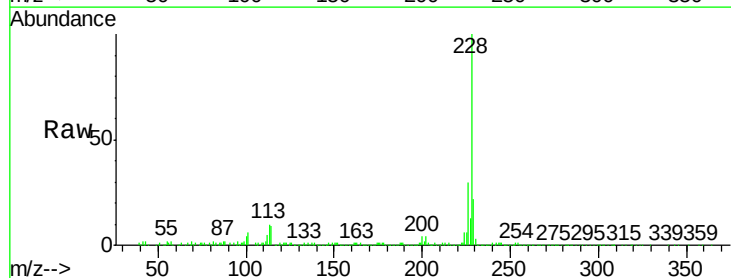
Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

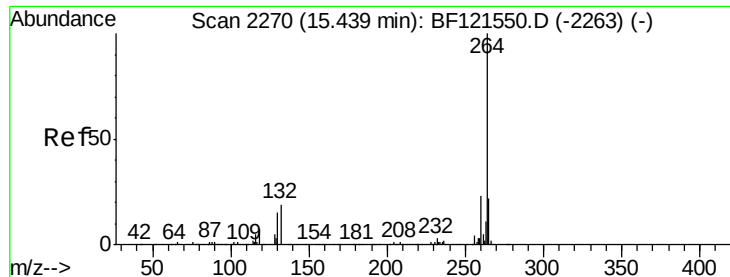
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.3	33.5
229	20.9	16.2	24.4



#83
Chrysene
Concen: 12.151 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	21.8	15.9	23.9

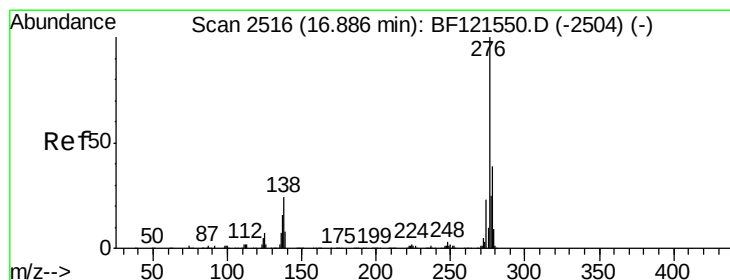
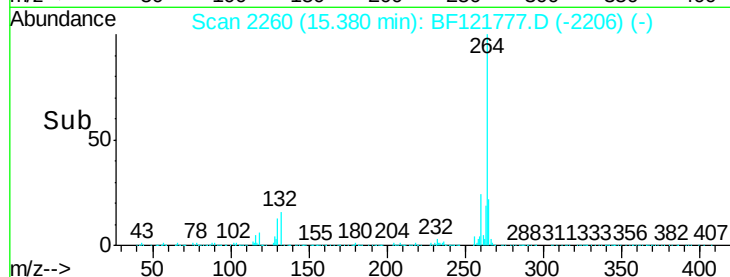
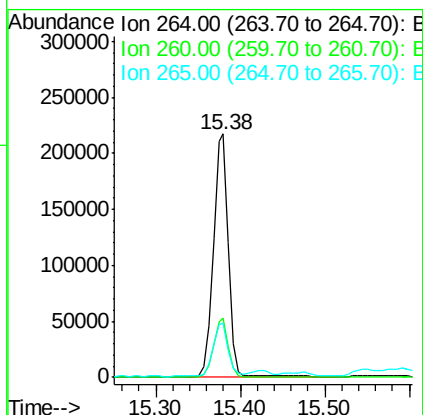
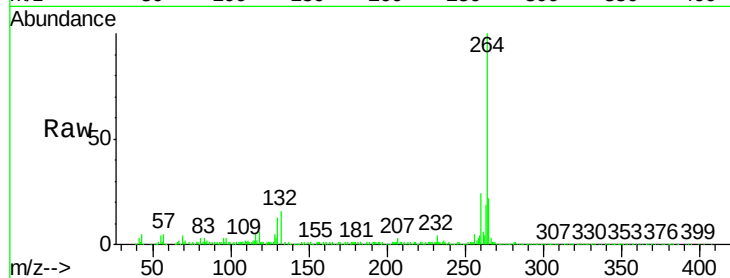




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

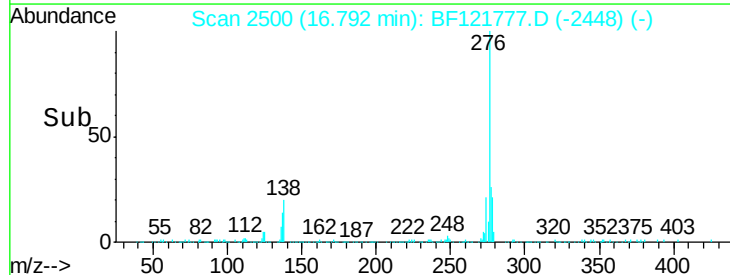
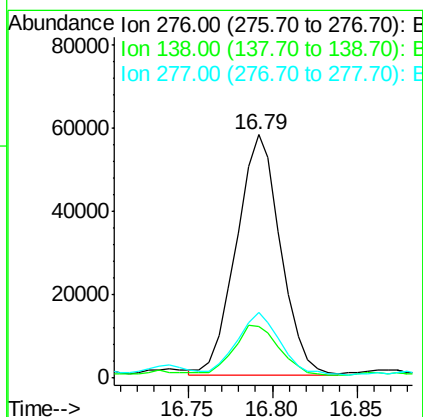
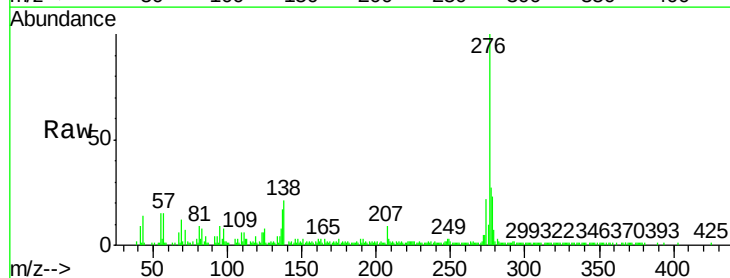
Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

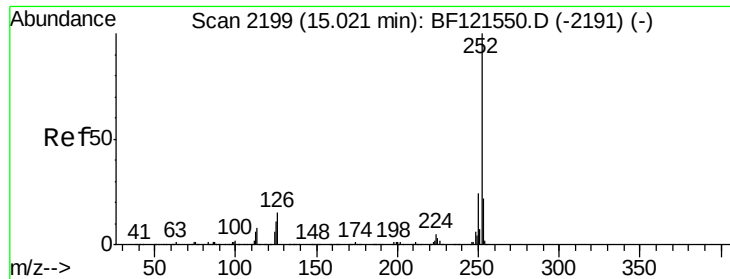
Tot Ion:264 Resp: 272463
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.0 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.896 ng
RT: 16.79 min Scan# 2500
Delta R.T. 0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Tgt Ion:276 Resp: 104621
Ion Ratio Lower Upper
276 100
138 21.3 19.9 29.9
277 25.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 20.806 ng

RT: 14.96 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

ClientSampleId :

B-12(3-4)

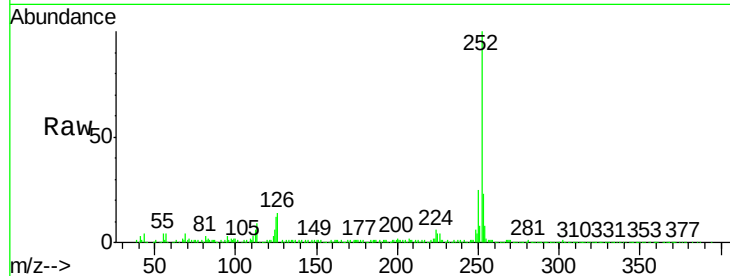
Tot Ion:252 Resp: 378977

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

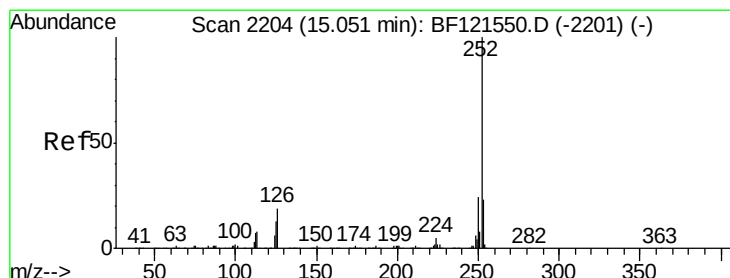
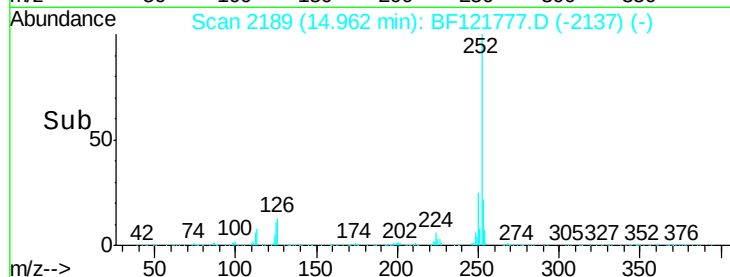
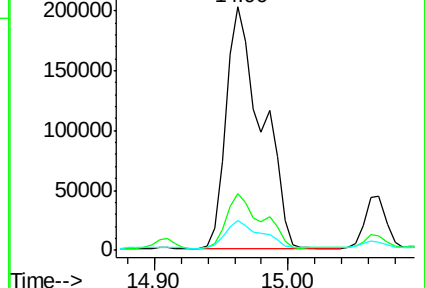
125 12.4 8.0 12.0#



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



#89

Benzo(k)fluoranthene

Concen: 22.721 ng

RT: 14.96 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

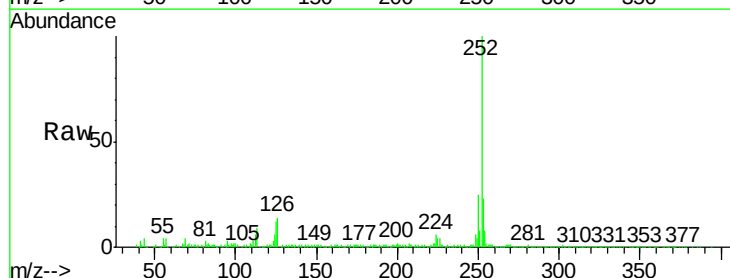
Tgt Ion:252 Resp: 378977

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

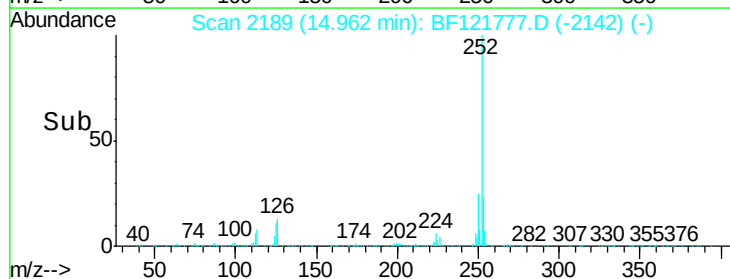
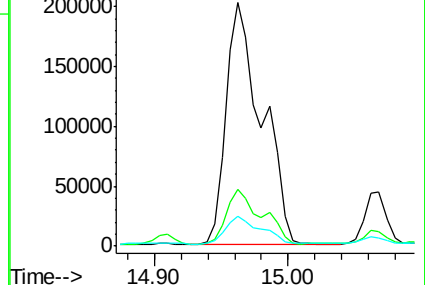
125 12.4 7.7 11.5#

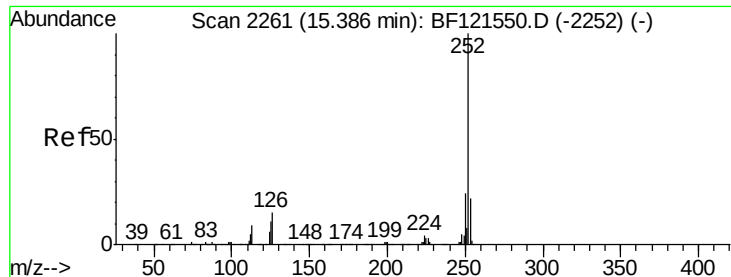


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.658 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

ClientSampleId :

B-12(3-4)

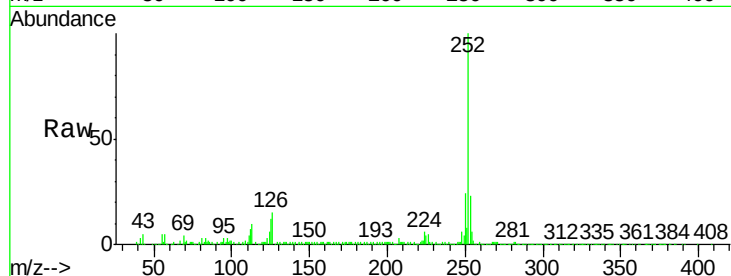
Tot Ion:252 Resp: 195983

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

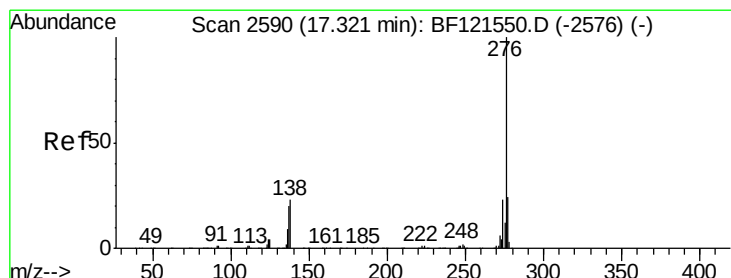
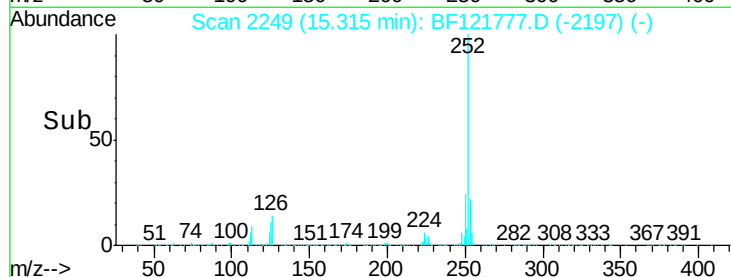
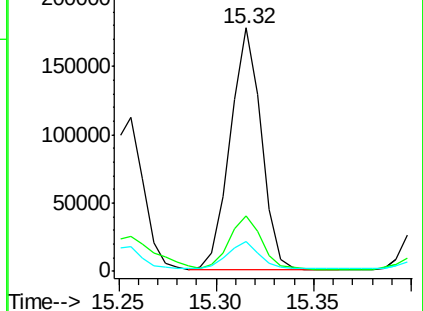
125 12.3 8.6 13.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 6.599 ng

RT: 17.22 min Scan# 2573

Delta R.T. 0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

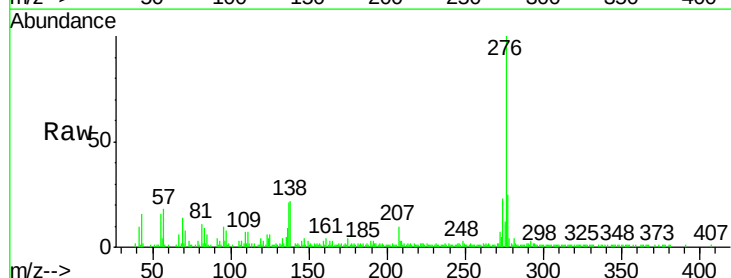
Tgt Ion:276 Resp: 95805

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.2

138 21.7 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

