

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121715.D
 Acq On : 28 Sep 2020 16:40
 Operator : JU/CG
 Sample : L4154-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5(11-13)

Quant Time: Sep 28 18:21:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

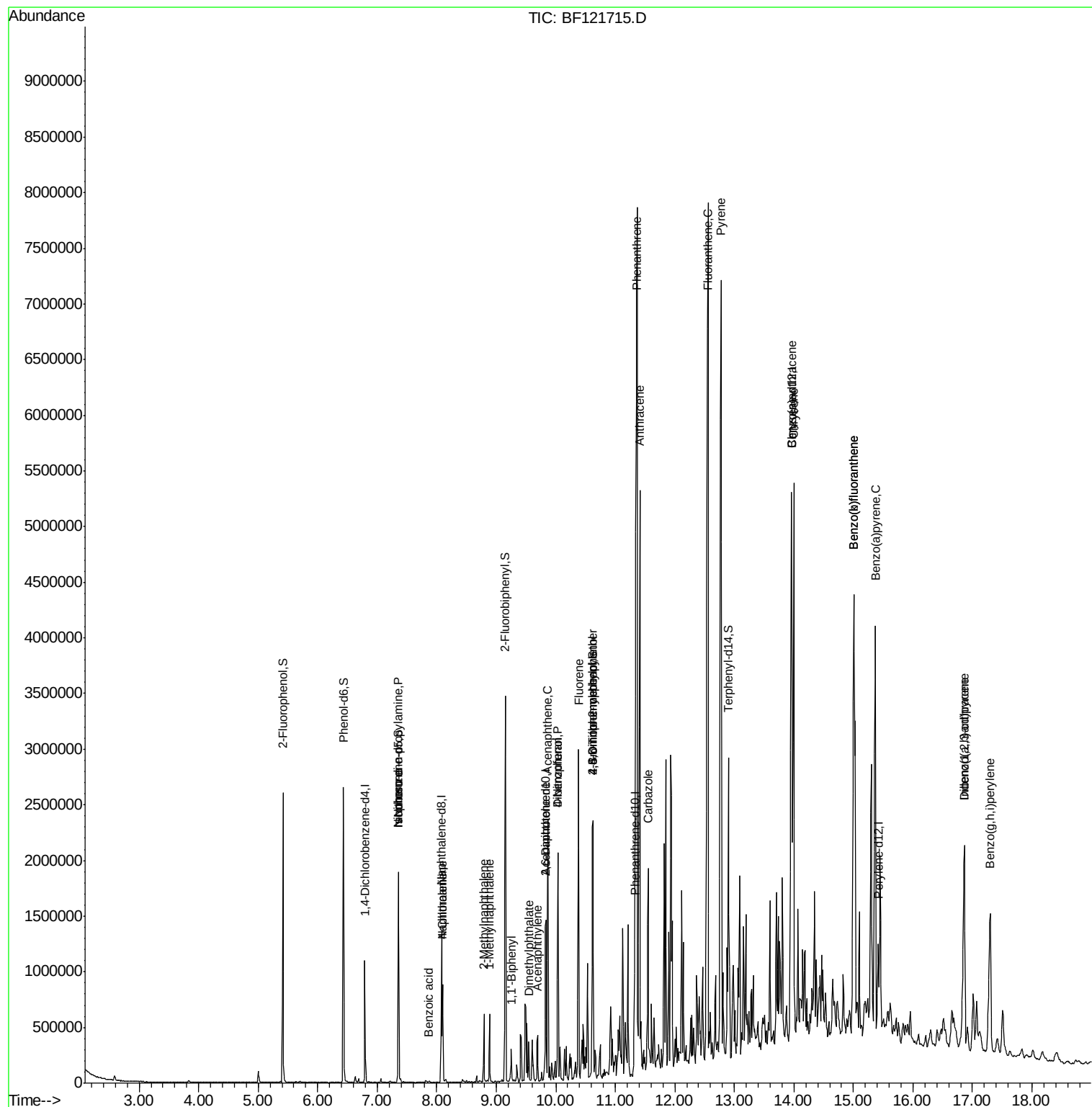
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	152669	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	593979	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	298291	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	471754	20.00	ng	0.00
76) Chrysene-d12	13.97	240	256418	20.00	ng	0.01
86) Perylene-d12	15.42	264	325949	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	660537	64.30	ng	0.00
7) Phenol-d6	6.43	99	898887	66.70	ng	0.00
23) Nitrobenzene-d5	7.36	82	615010	55.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	195155	52.64	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1092413	55.47	ng	0.00
79) Terphenyl-d14	12.90	244	788833	62.32	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	82858	10.667	ng	# 81
25) Isophorone	7.36	82	599381	26.915	ng	# 65
31) Naphthalene	8.10	128	348717	11.121	ng	99
32) Benzoic acid	7.87	122	2847	7.264	ng	# 19
33) 4-Chloroaniline	8.10	127	44547	3.278	ng	# 32
37) 2-Methylnaphthalene	8.79	142	161930	7.880	ng	97
38) 1-Methylnaphthalene	8.89	142	147543	7.715	ng	100
46) 1,1'-Biphenyl	9.25	154	73675	3.085	ng	96
49) Acenaphthylene	9.69	152	117250	4.055	ng	98
50) Dimethylphthalate	9.55	163	122125	5.649	ng	100
51) 2,6-Dinitrotoluene	9.83	165	52590	11.422	ng	# 23
52) Acenaphthene	9.86	154	484941	26.554	ng	99
55) Dibenzofuran	10.03	168	688489	26.771	ng	98
56) 4-Nitrophenol	10.03	139	262497	61.711	ng	# 7
58) Fluorene	10.38	166	749706	38.120	ng	99
65) 4,6-Dinitro-2-methylphenol	10.62	198	367	6.961	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	11386	2.120	ng	# 1
71) Phenanthrene	11.37	178	5471819	212.885	ng	96
72) Anthracene	11.41	178	2273949	85.730	ng	99
73) Carbazole	11.55	167	652715	27.269	ng	99
75) Fluoranthene	12.56	202	5325135	194.080	ng	97
78) Pyrene	12.78	202	4262404	227.514	ng	96
81) Benzo(a)anthracene	13.96	228	2543778	156.808	ng	97
83) Chrysene	14.00	228	2010851	122.410	ng	96
87) Indeno(1,2,3-cd)pyrene	16.86	276	1383340	65.169	ng	96
88) Benzo(b)fluoranthene	15.01	252	3736232	171.465	ng	98
89) Benzo(k)fluoranthene	15.01	252	3736232	187.242	ng	# 96
90) Benzo(a)pyrene	15.37	252	2033549	109.789	ng	96
91) Dibenzo(a,h)anthracene	16.86	278	389963	22.069	ng	94
92) Benzo(g,h,i)perylene	17.30	276	1154826	66.488	ng	98

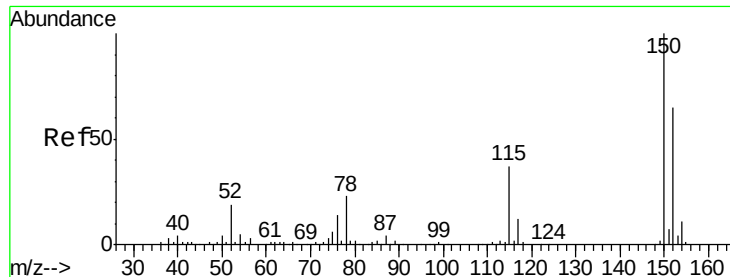
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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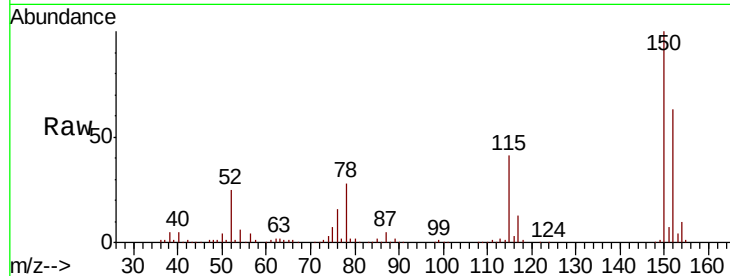




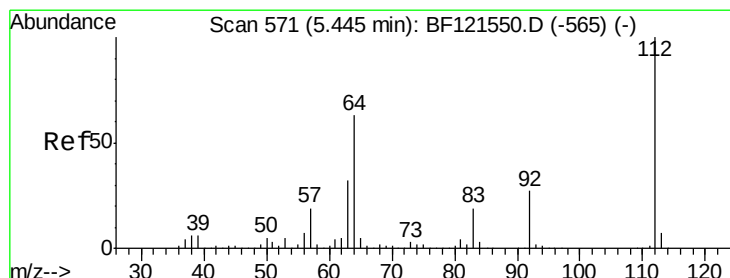
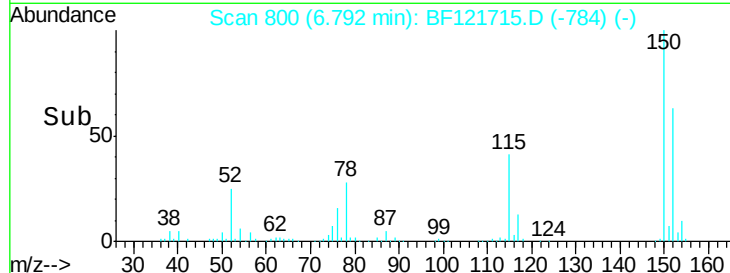
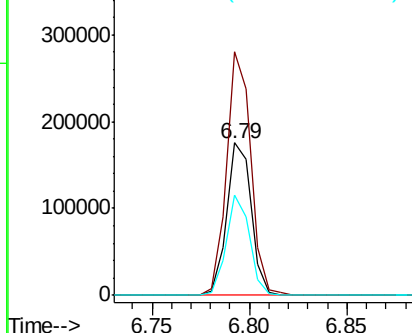
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

Instrument :
 BNA_F
 ClientSampleId :
 B-5(11-13)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	122.6	184.0
115	66.1	47.1	70.7

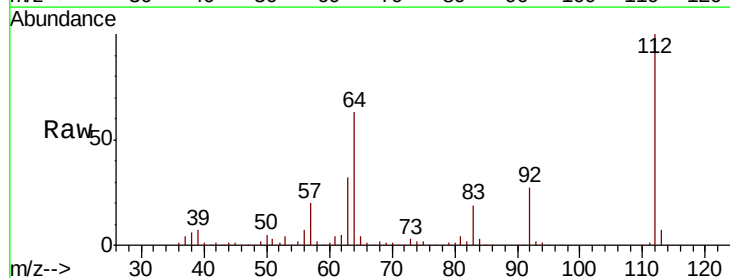


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

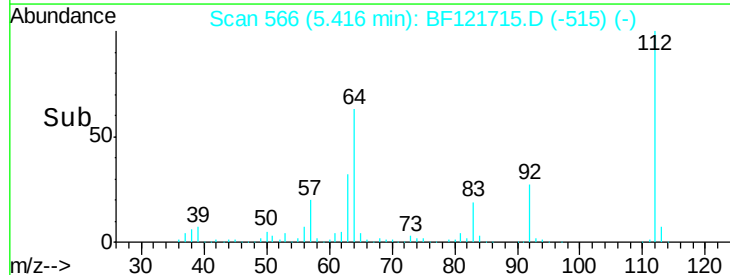
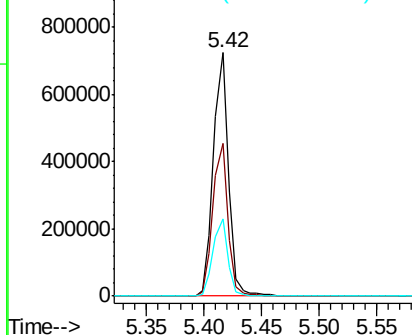


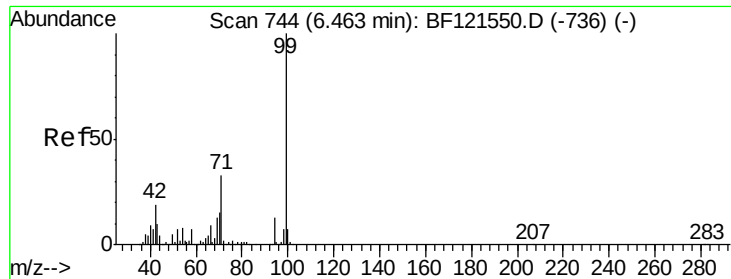
#5
 2-Fluorophenol
 Concen: 64.299 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.5	74.3
63	31.9	25.4	38.0



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: 66.695 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-5(11-13)

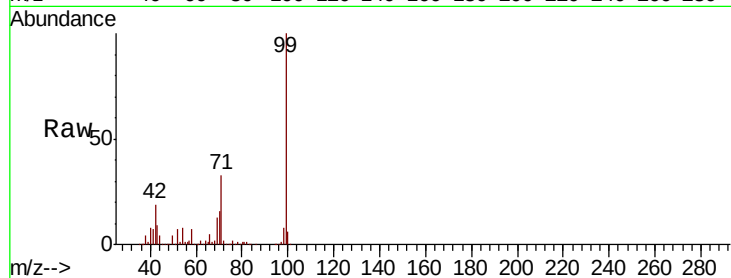
Tot Ion: 99 Resp: 898887

Ion Ratio Lower Upper

99 100

42 19.4 16.1 24.1

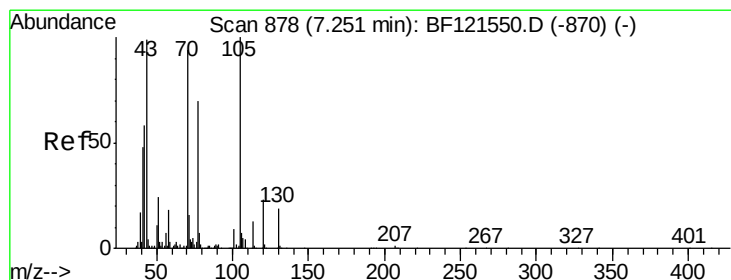
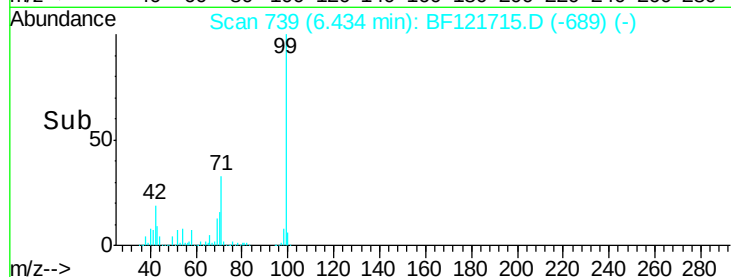
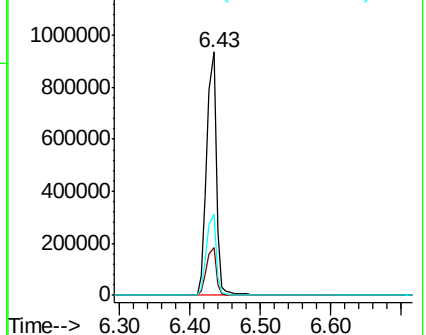
71 33.4 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.667 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Tgt Ion: 70 Resp: 82858

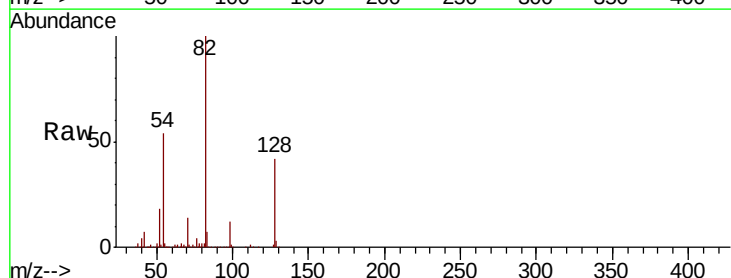
Ion Ratio Lower Upper

70 100

42 50.5 45.8 68.6

101 0.0 7.6 11.4#

130 2.0 17.8 26.8#

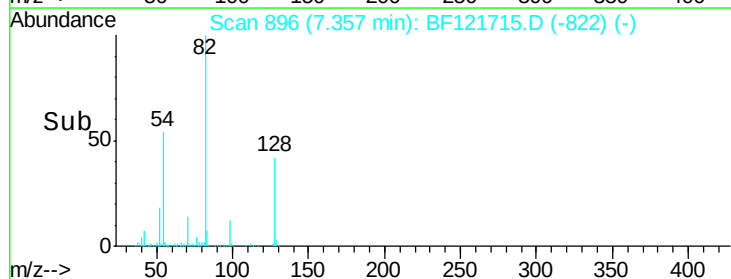
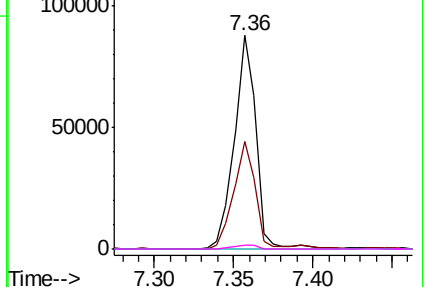


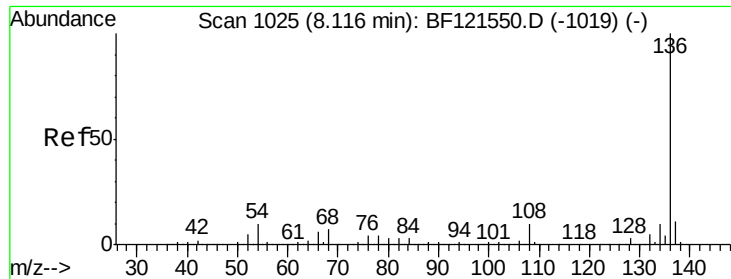
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

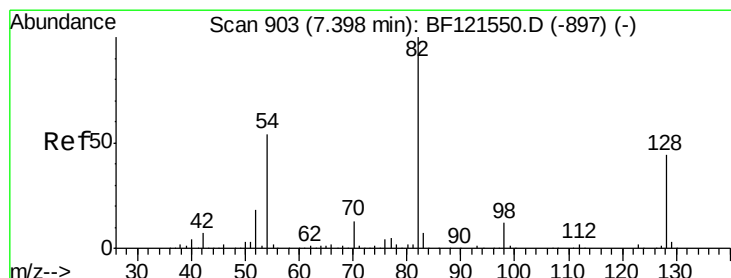
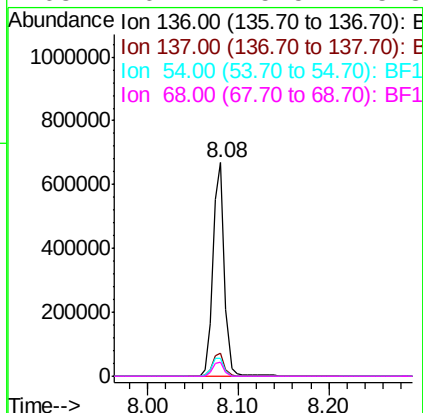
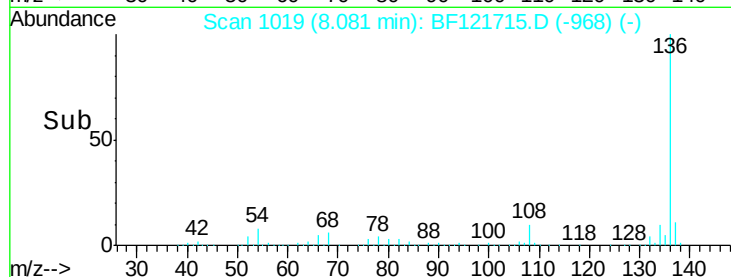
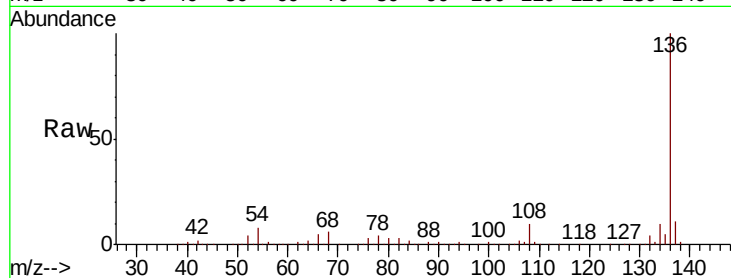




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

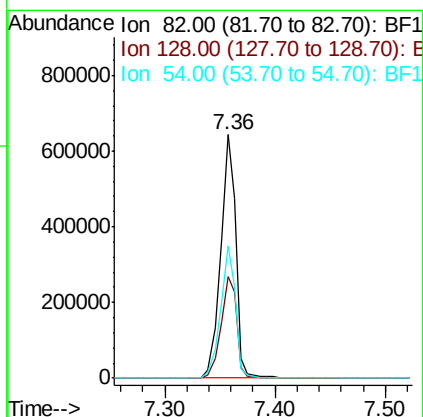
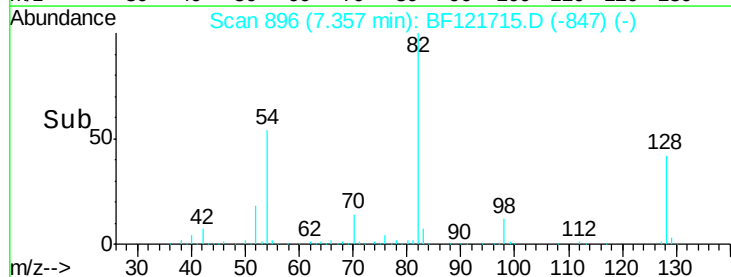
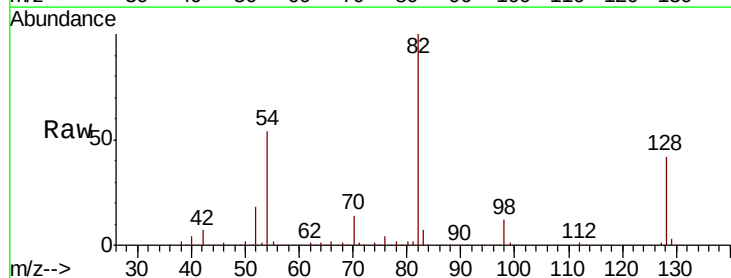
Instrument :
BNA_F
ClientSampleId :
B-5(11-13)

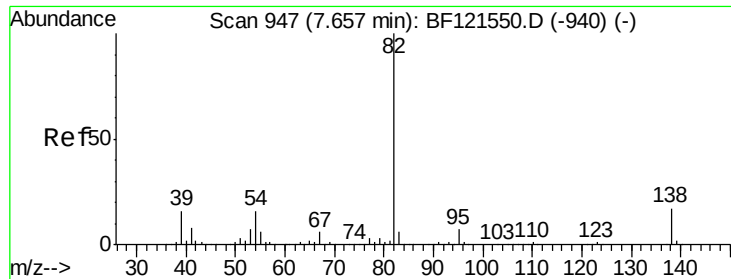
Tot Ion:136	Resp:	593979
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	8.5	7.5 11.3
68	6.4	5.5 8.3



#23
Nitrobenzene-d5
Concen: 55.593 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Tgt Ion: 82	Resp:	615010
Ion	Ratio	Lower Upper
82	100	
128	41.8	35.8 53.6
54	54.1	42.6 63.8





#25

Isophorone

Concen: 26.915 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-5(11-13)

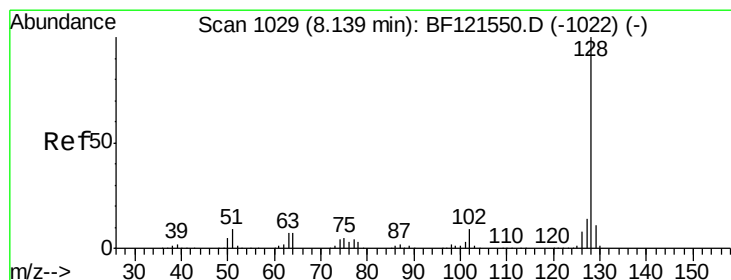
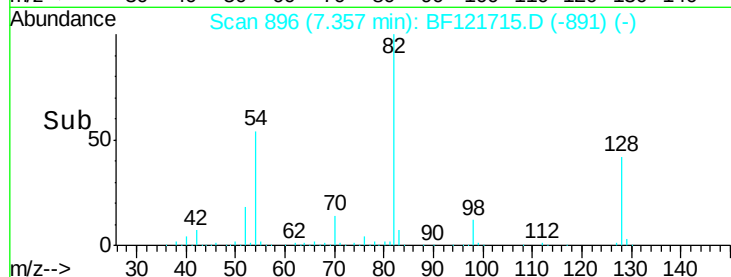
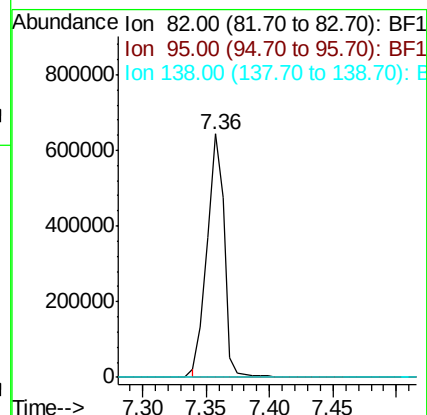
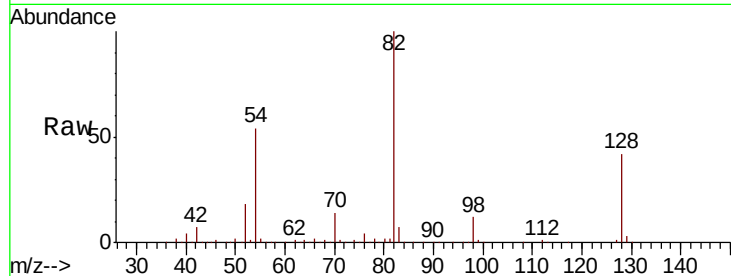
Tot Ion: 82 Resp: 599381

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#



#31

Naphthalene

Concen: 11.121 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

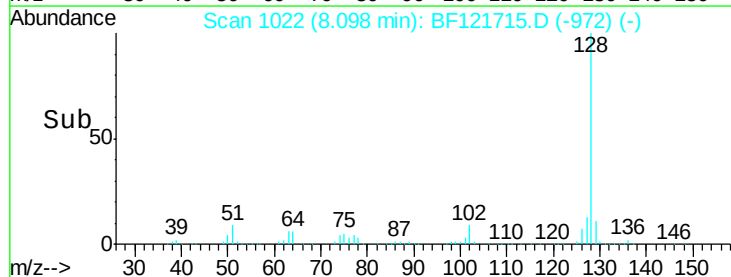
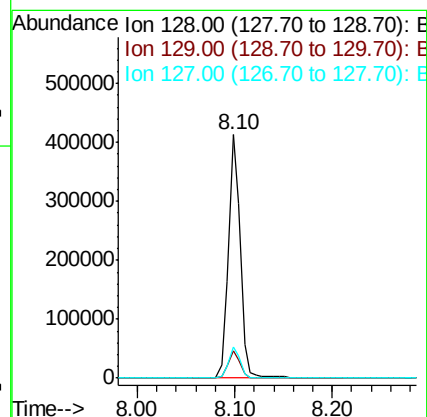
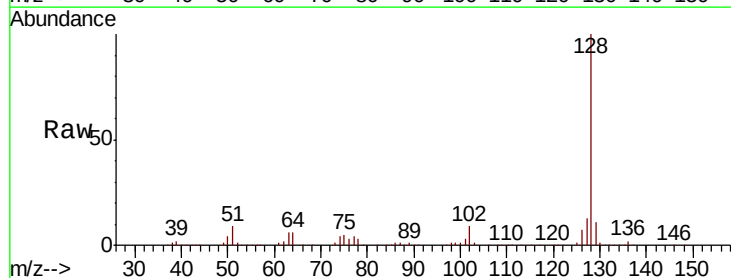
Tgt Ion: 128 Resp: 348717

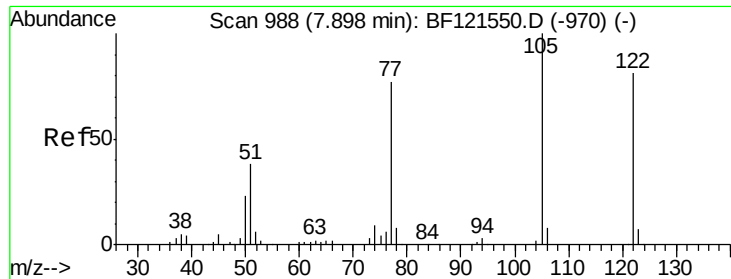
Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

127 13.0 10.8 16.2

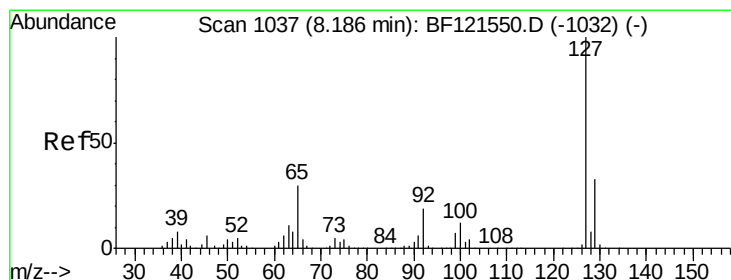
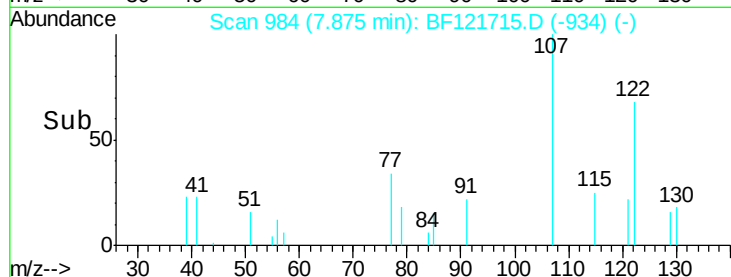
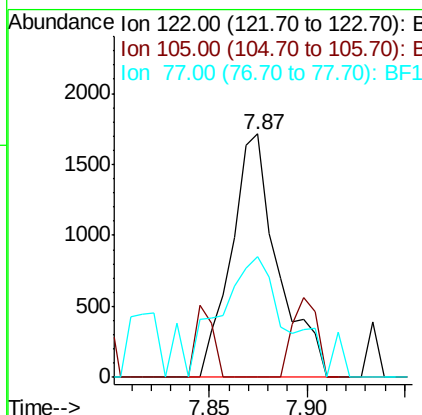
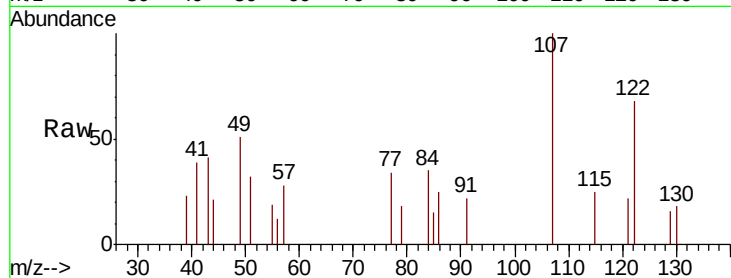




#32
Benzoic acid
Concen: 7.264 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

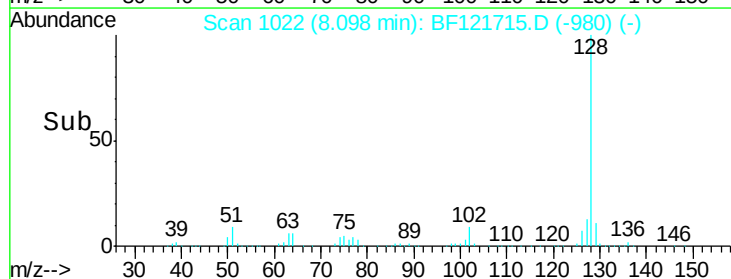
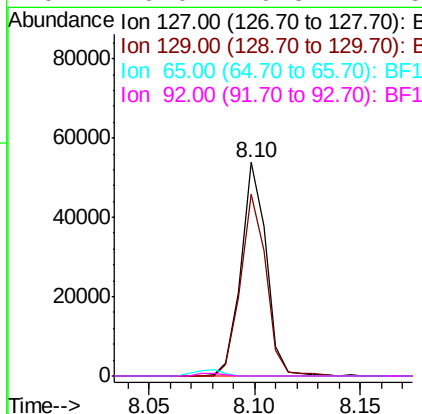
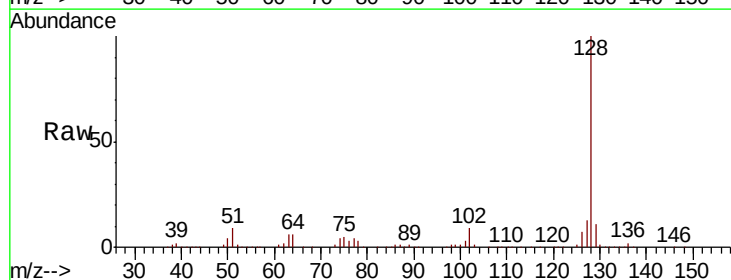
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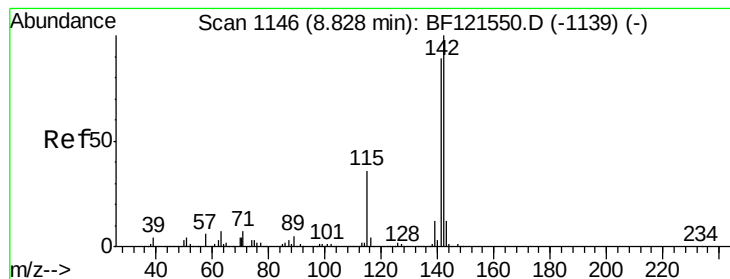
Tot Ion:122 Resp: 2847
Ion Ratio Lower Upper
122 100
105 0.0 101.7 141.7#
77 49.6 72.8 112.8#



#33
4-Chloroaniline
Concen: 3.278 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.05 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Tgt Ion:127 Resp: 44547
Ion Ratio Lower Upper
127 100
129 85.1 26.0 39.0#
65 0.0 26.7 40.1#
92 0.0 16.3 24.5#





#37

2-Methylnaphthalene

Concen: 7.880 ng

RT: 8.79 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-5(11-13)

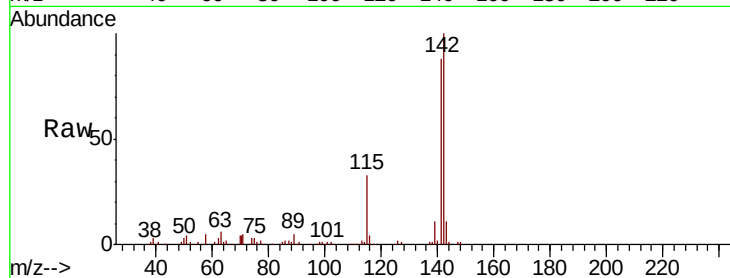
Tot Ion:142 Resp: 161930

Ion Ratio Lower Upper

142 100

141 88.2 71.9 107.9

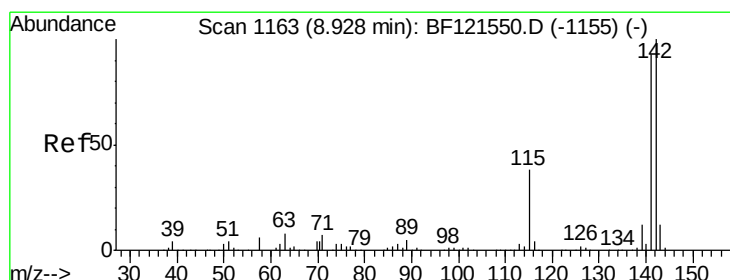
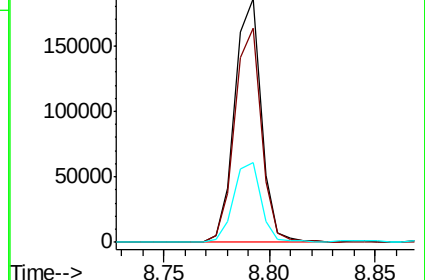
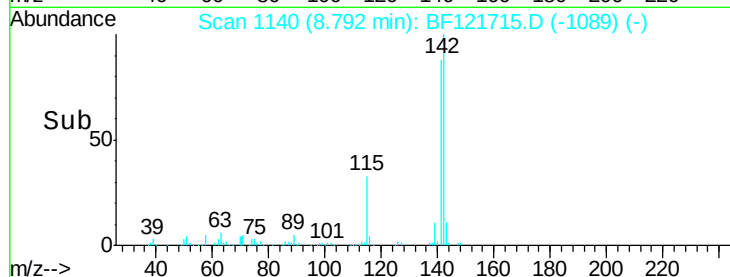
115 32.8 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 7.715 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

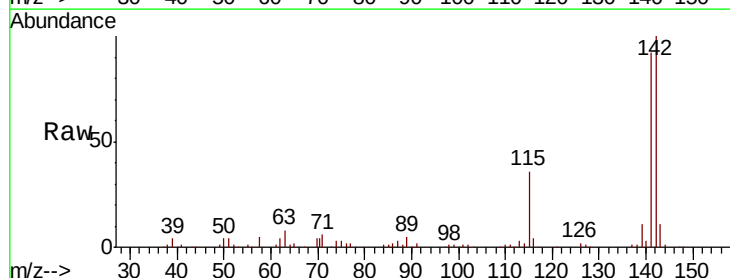
Tgt Ion:142 Resp: 147543

Ion Ratio Lower Upper

142 100

141 92.0 73.8 110.8

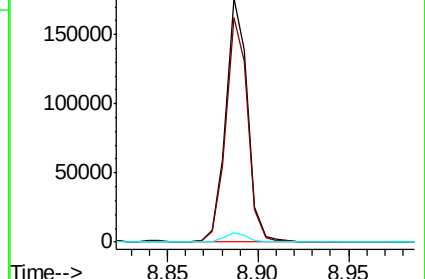
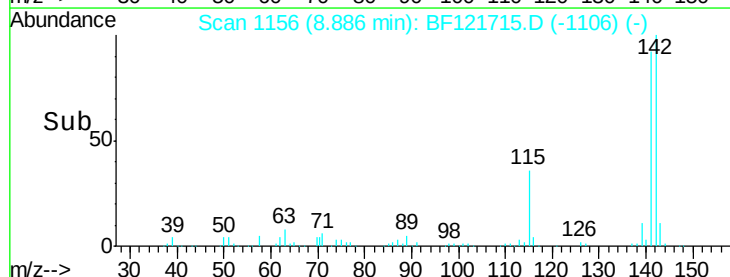
116 3.7 3.2 4.8

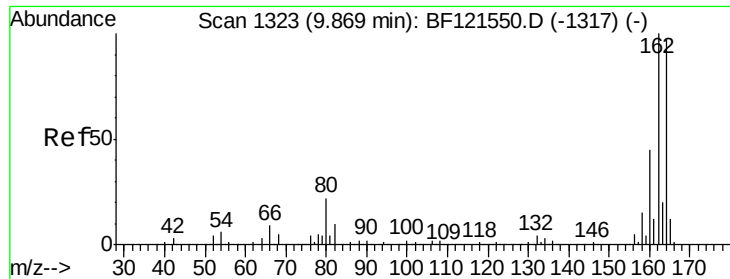


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

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ClientSampleId :

B-5(11-13)

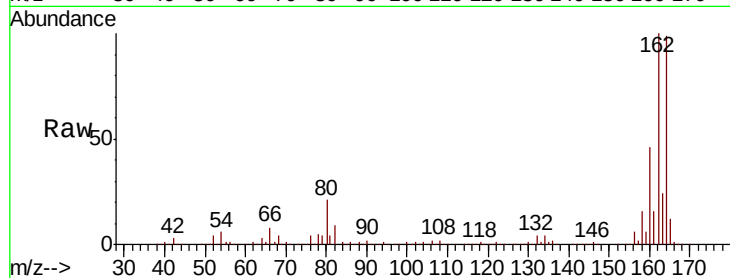
Tot Ion:164 Resp: 298291

Ion Ratio Lower Upper

164 100

162 101.3 82.1 123.1

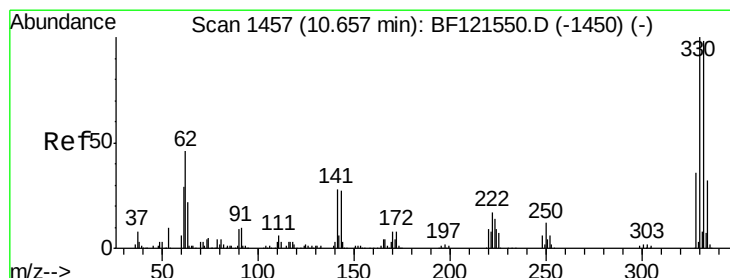
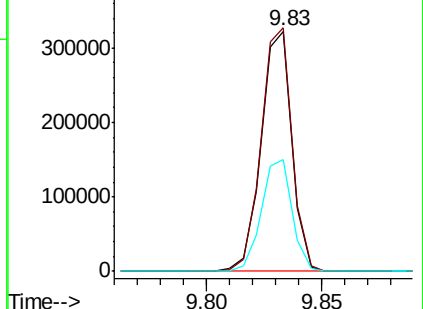
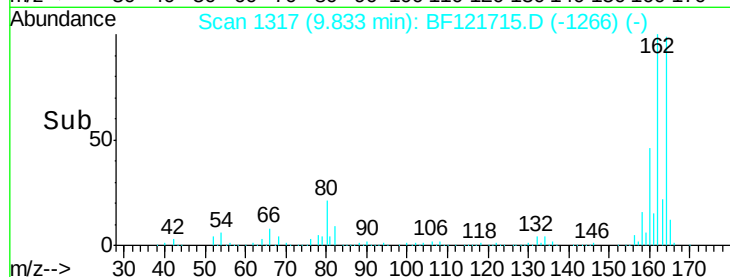
160 46.8 36.8 55.2



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



#42

2,4,6-Tribromophenol

Concen: 52.640 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

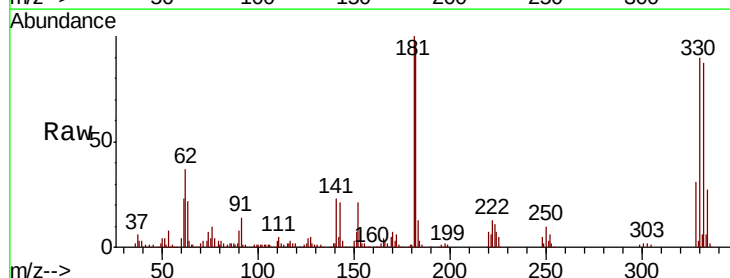
Tgt Ion:330 Resp: 195155

Ion Ratio Lower Upper

330 100

332 97.4 76.0 114.0

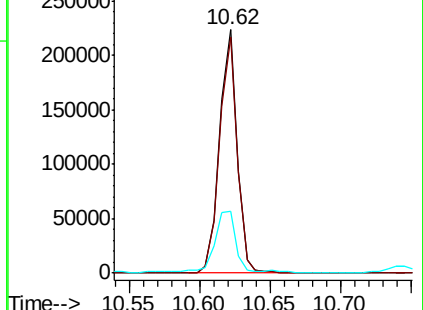
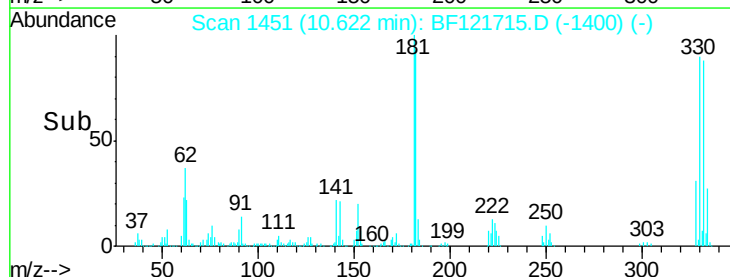
141 31.1 22.2 33.4

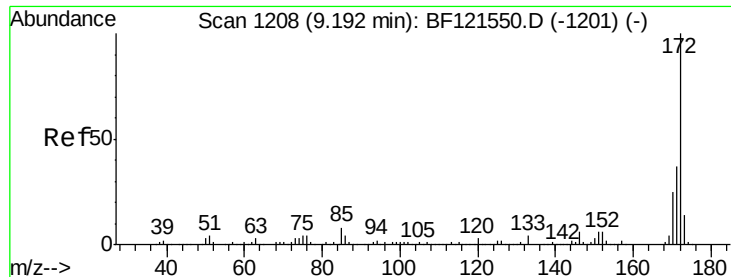


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

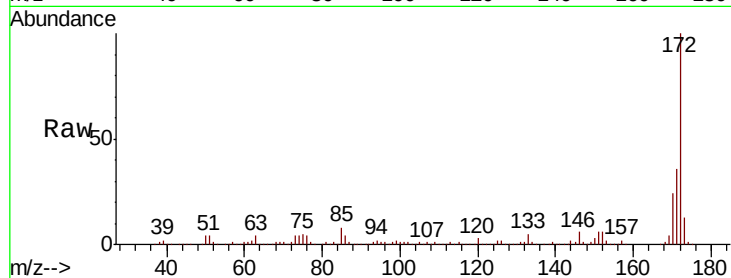




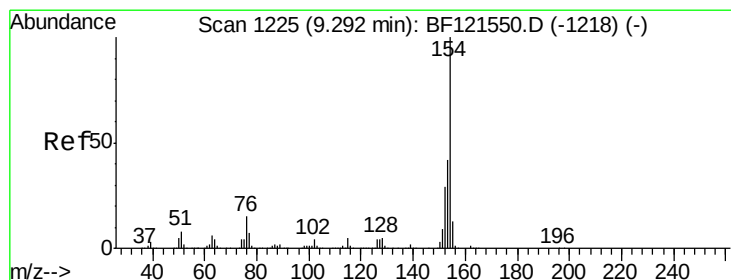
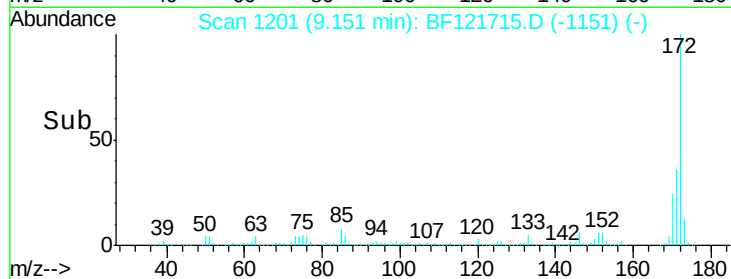
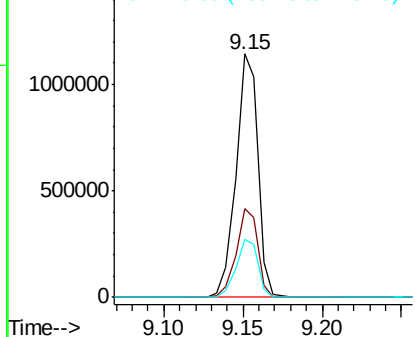
#45
2-Fluorobiphenyl
Concen: 55.466 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Instrument :
BNA_F
ClientSampleId :
B-5(11-13)

Tot Ion:172 Resp: 1092413
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.8 19.5 29.3

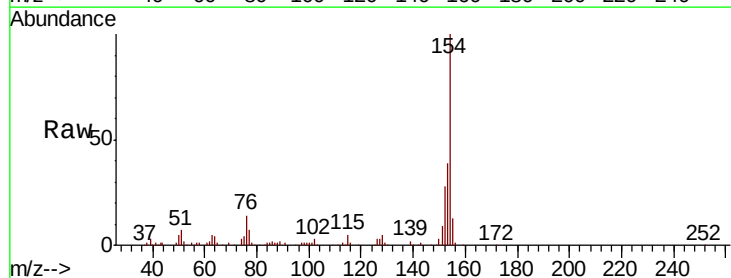


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

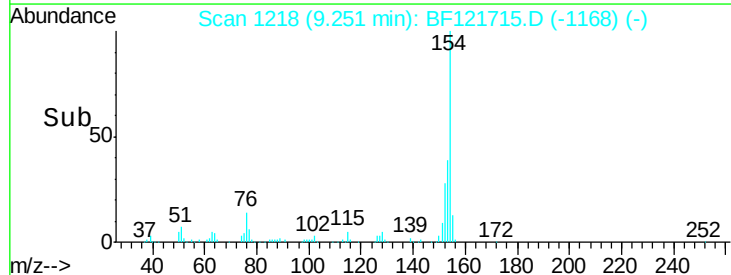
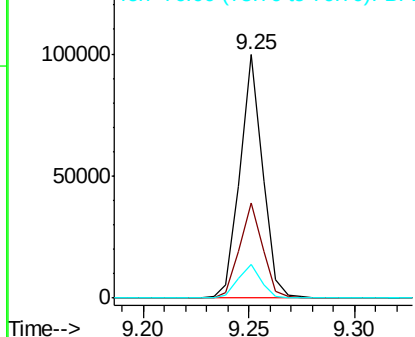


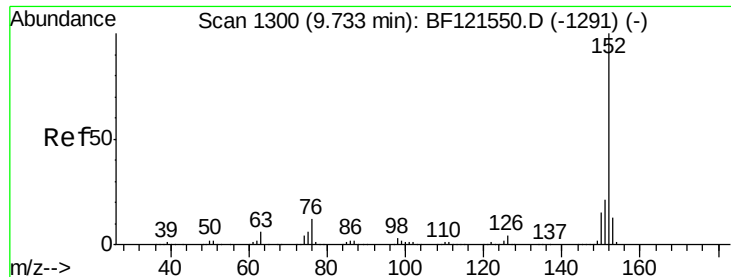
#46
1,1'-Biphenyl
Concen: 3.085 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Tgt Ion:154 Resp: 73675
Ion Ratio Lower Upper
154 100
153 39.0 21.9 61.9
76 13.9 0.0 34.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 4.055 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-5(11-13)

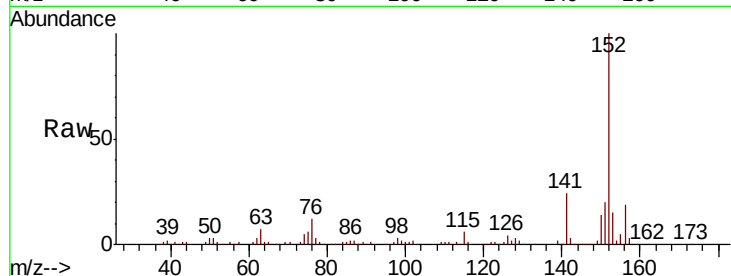
Tot Ion:152 Resp: 117250

Ion Ratio Lower Upper

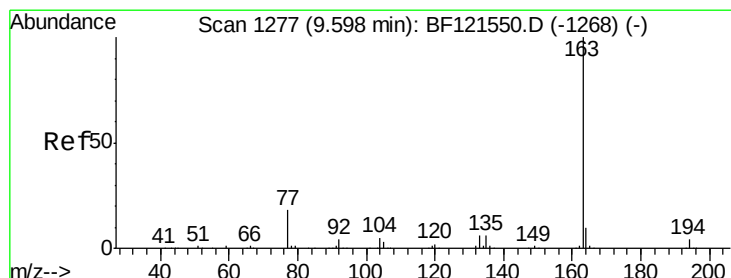
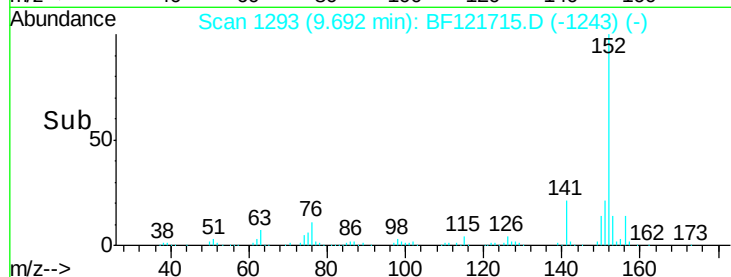
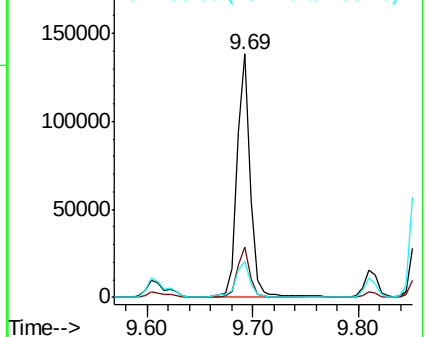
152 100

151 20.5 16.5 24.7

153 15.1 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.649 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

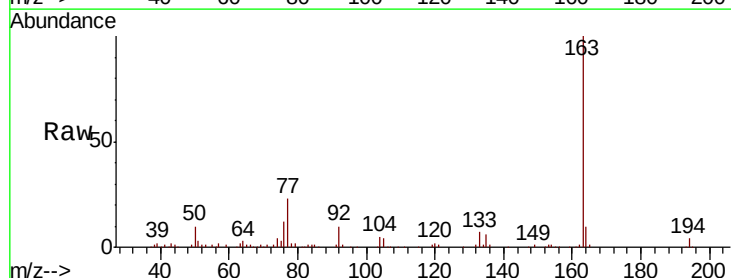
Tgt Ion:163 Resp: 122125

Ion Ratio Lower Upper

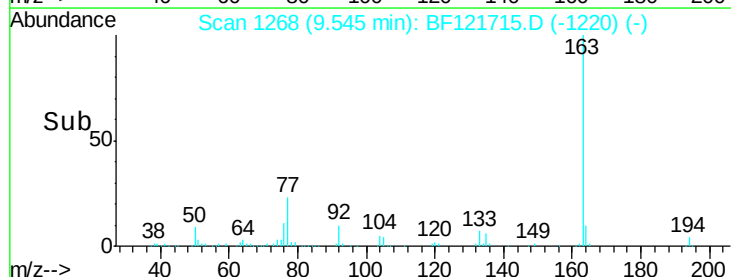
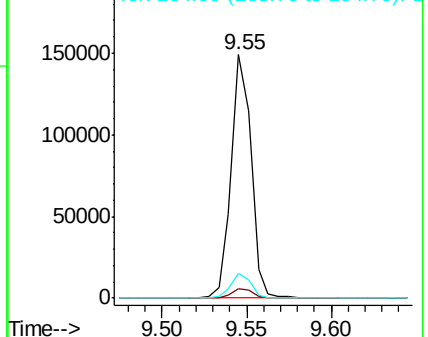
163 100

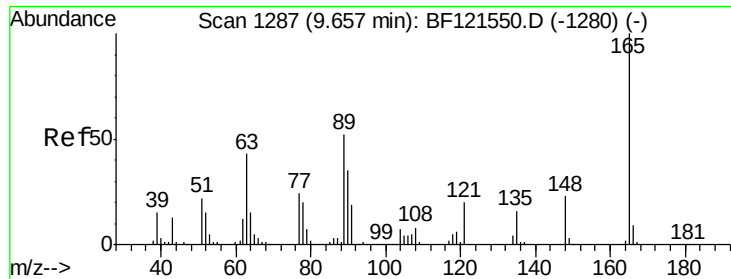
194 3.9 3.4 5.0

164 10.2 8.2 12.2



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

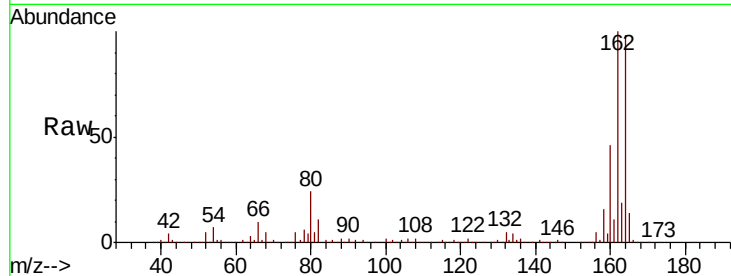




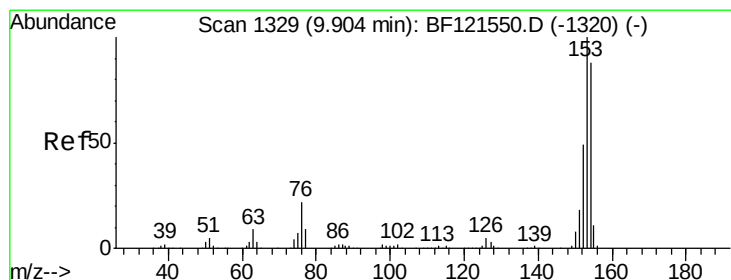
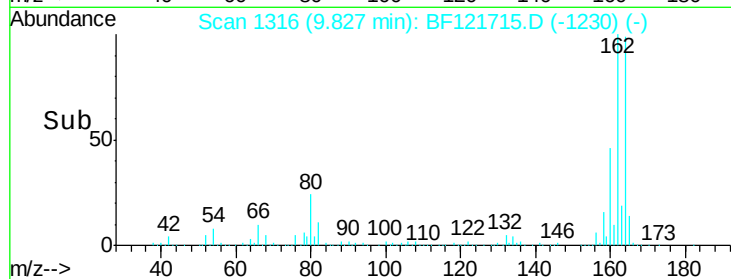
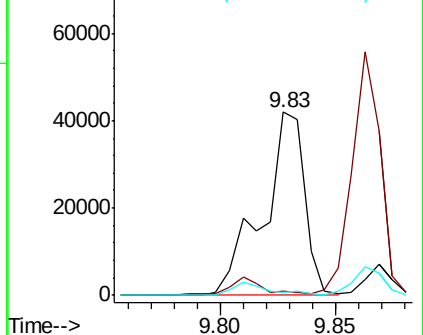
#51
 2,6-Dinitrotoluene
 Concen: 11.422 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

Instrument :
 BNA_F
 ClientSampleId :
 B-5(11-13)

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	49.8	74.6#
89	1.9	48.2	72.2#

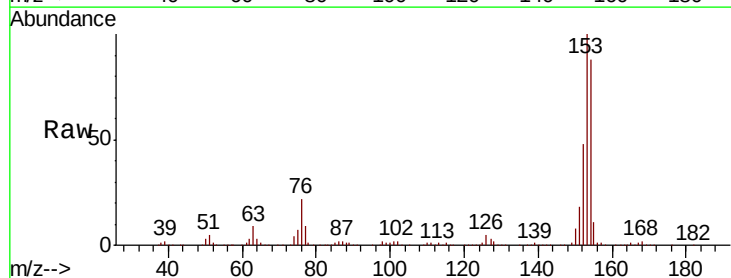


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

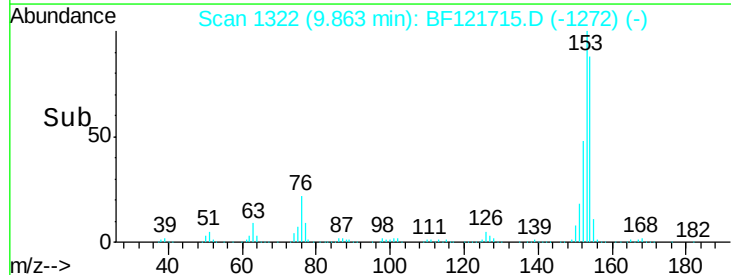
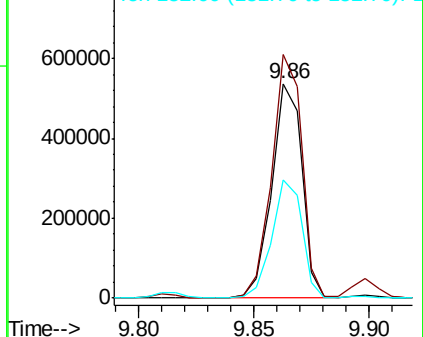


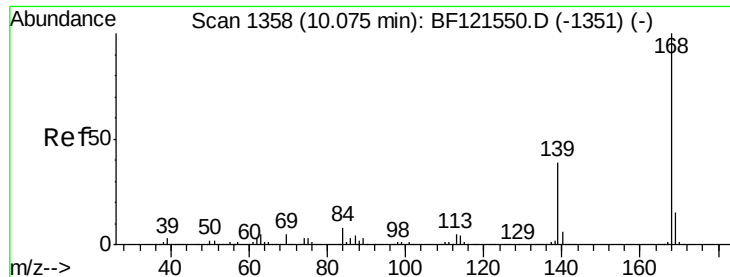
#52
 Acenaphthene
 Concen: 26.554 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.7	137.5
152	55.0	44.0	66.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 26.771 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Instrument :

BNA_F

ClientSampled :

B-5(11-13)

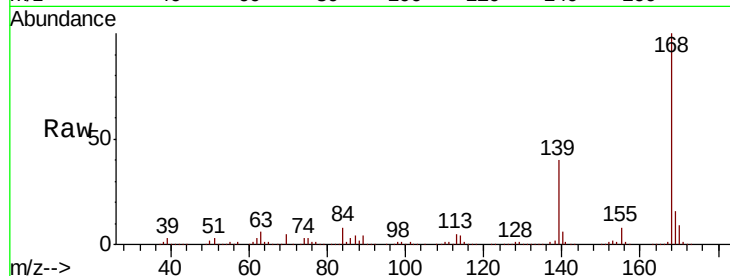
Tot Ion:168 Resp: 688489

Ion Ratio Lower Upper

168 100

139 40.1 32.6 49.0

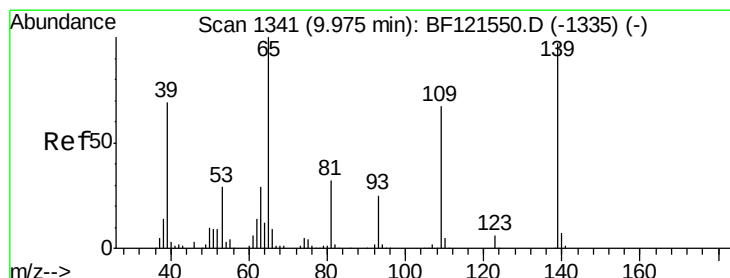
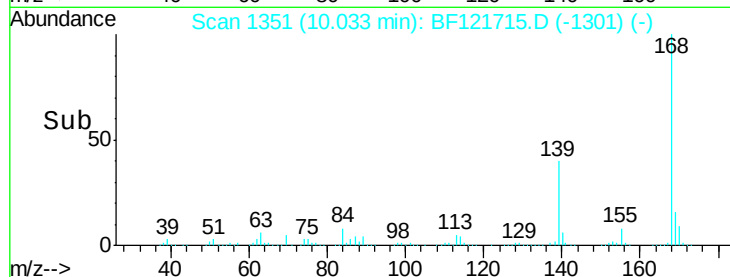
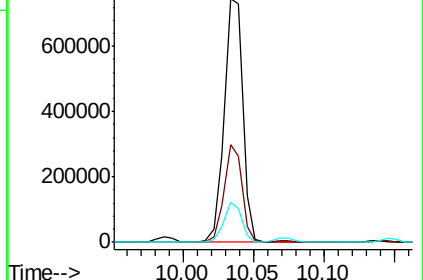
169 16.3 11.7 17.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 61.711 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.08 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

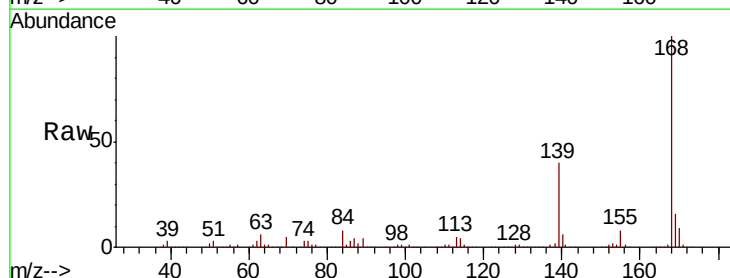
Tgt Ion:139 Resp: 262497

Ion Ratio Lower Upper

139 100

109 1.0 49.0 89.0#

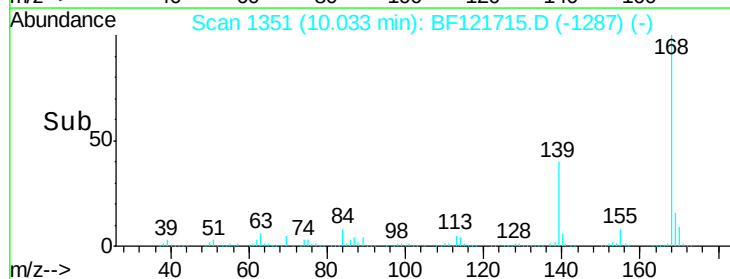
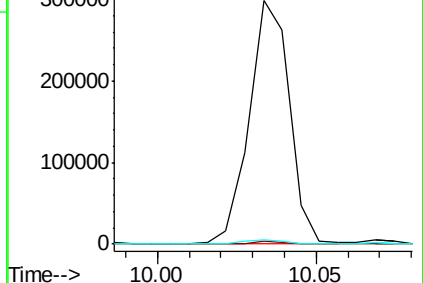
65 2.0 82.5 122.5#

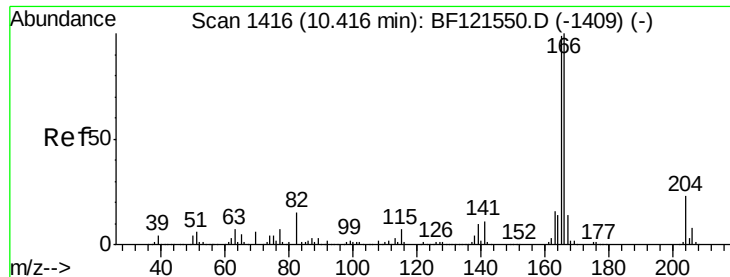


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 38.120 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.00 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-5(11-13)

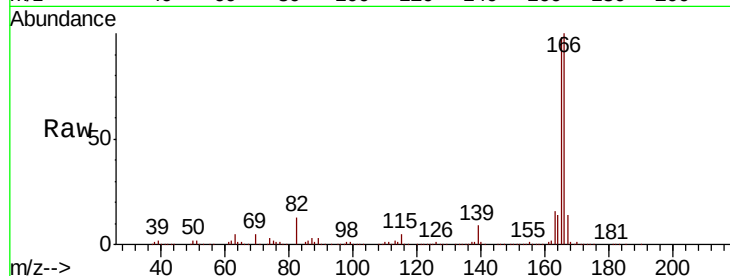
Tot Ion:166 Resp: 749706

Ion Ratio Lower Upper

166 100

165 97.9 78.8 118.2

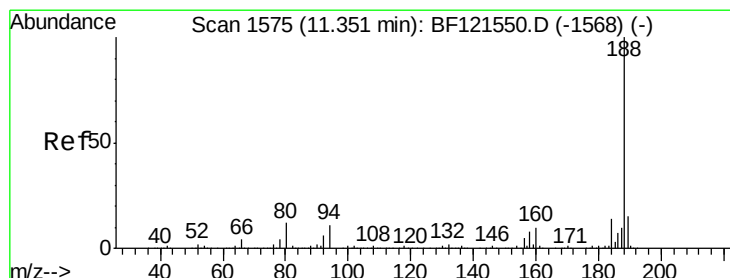
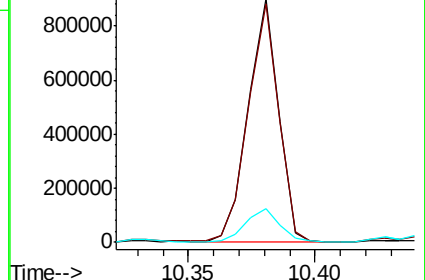
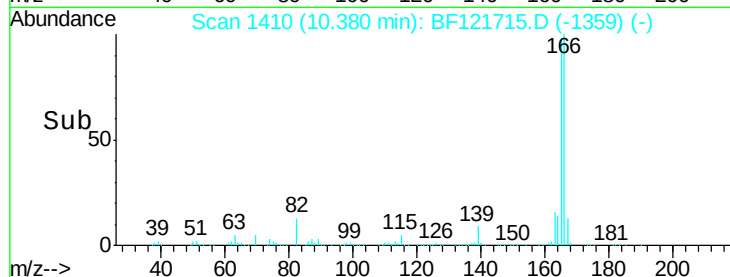
167 13.7 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

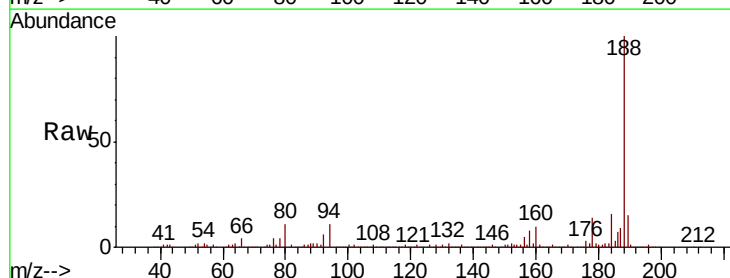
Tgt Ion:188 Resp: 471754

Ion Ratio Lower Upper

188 100

94 10.6 8.4 12.6

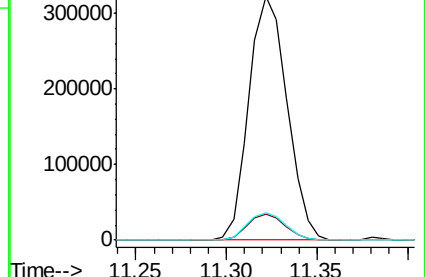
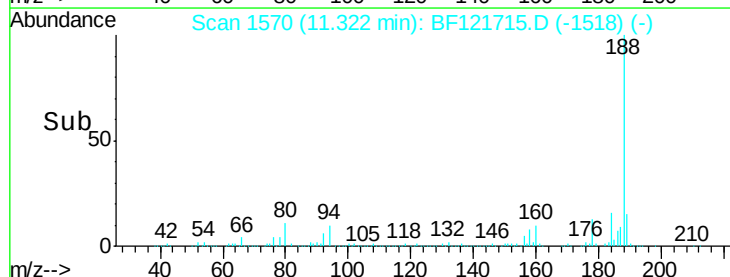
80 11.3 9.3 13.9

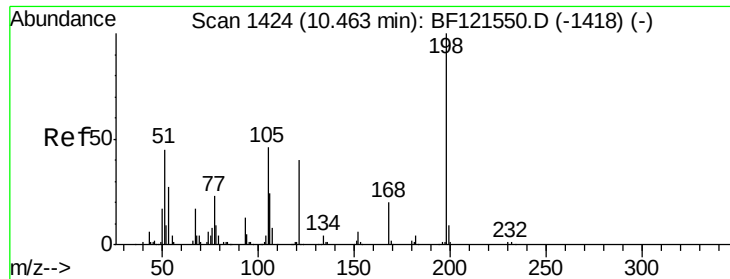


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 6.961 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.18 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-5(11-13)

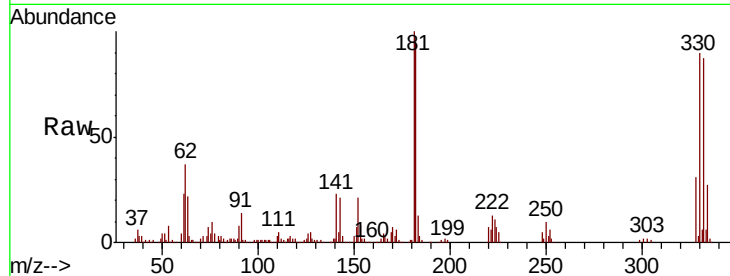
Tot Ion:198 Resp: 367

Ion Ratio Lower Upper

198 100

51 1876.9 18.8 58.8#

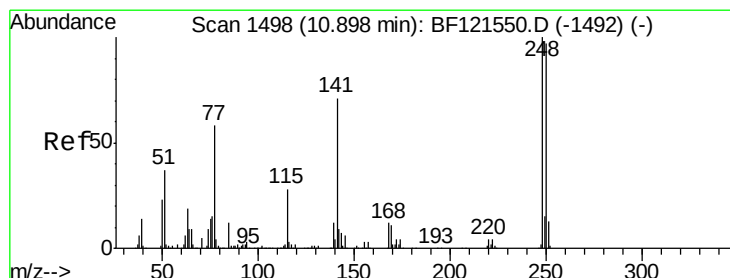
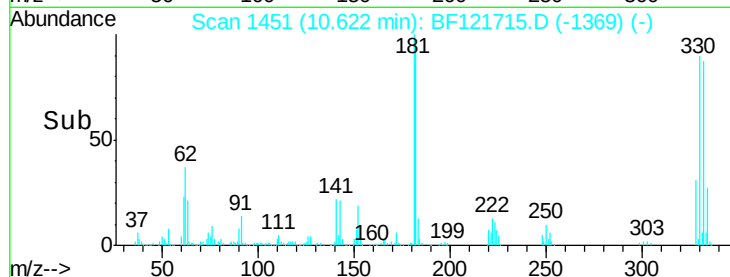
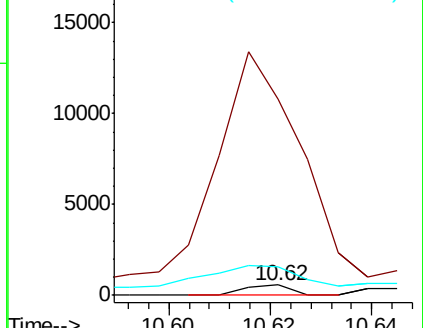
105 278.1 18.5 58.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.120 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.24 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

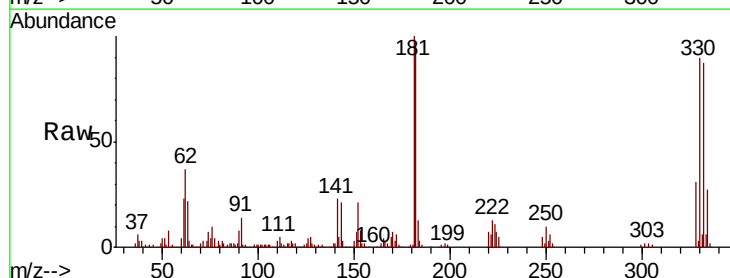
Tgt Ion:248 Resp: 11386

Ion Ratio Lower Upper

248 100

250 204.0 76.8 115.2#

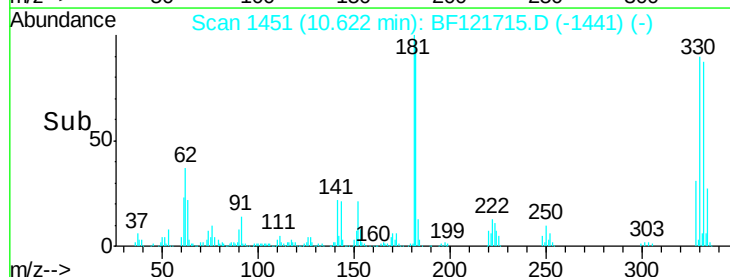
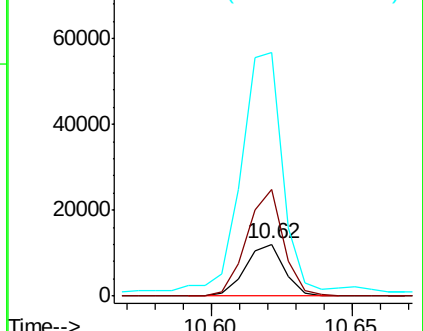
141 467.1 55.7 83.5#

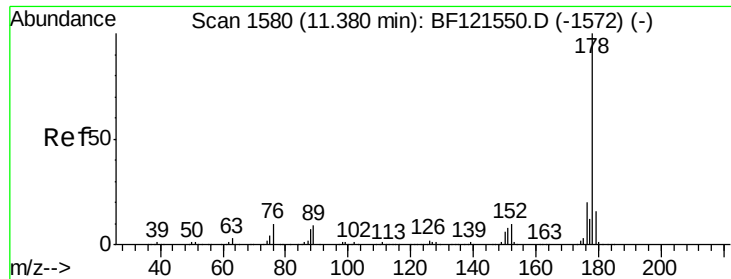


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

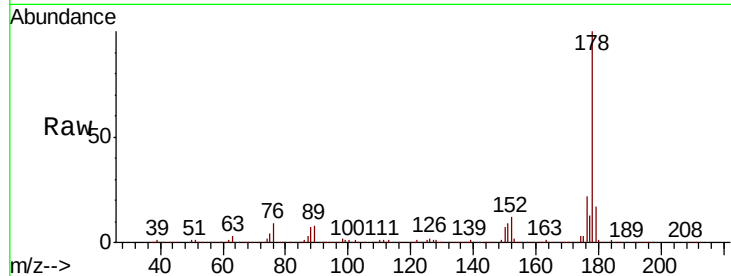




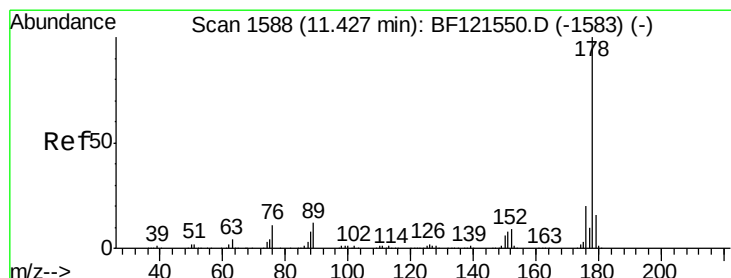
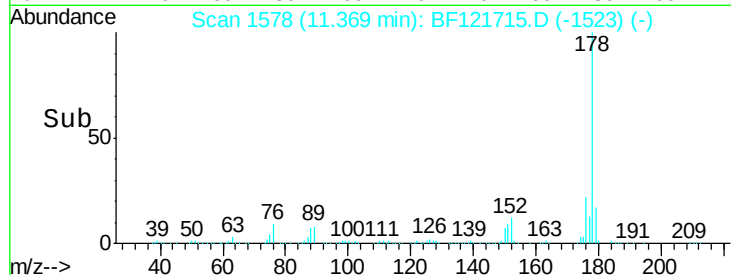
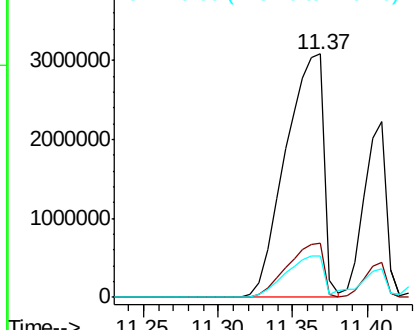
#71
Phenanthrene
Concen: 212.885 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.02 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Instrument :
BNA_F
ClientSampleId :
B-5(11-13)

Tot Ion:178 Resp: 5471819
Ion Ratio Lower Upper
178 100
176 22.3 16.2 24.4
179 17.1 12.5 18.7

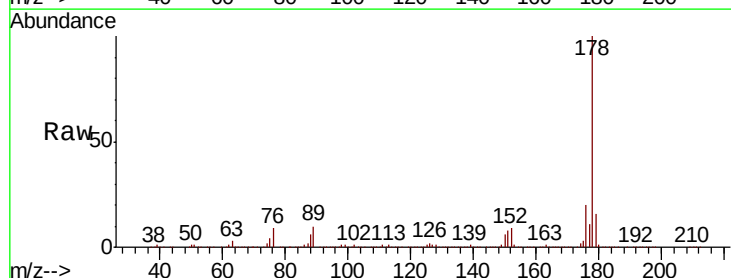


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

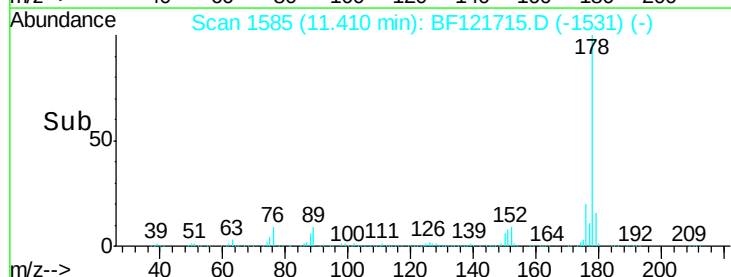
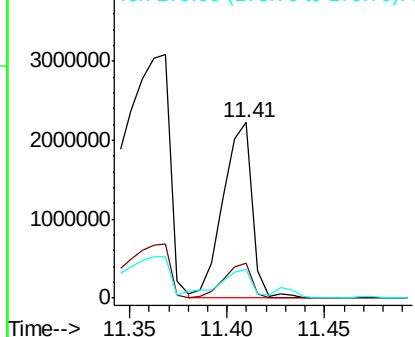


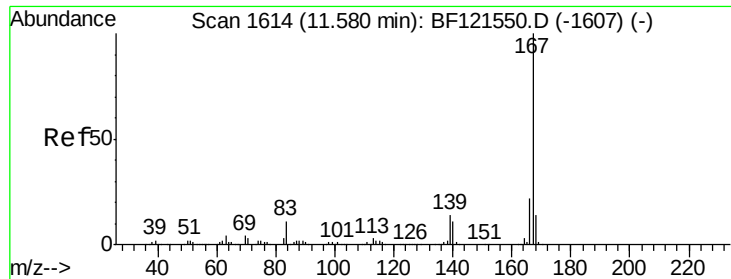
#72
Anthracene
Concen: 85.730 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.02 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Tgt Ion:178 Resp: 2273949
Ion Ratio Lower Upper
178 100
176 20.3 15.6 23.4
179 16.1 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

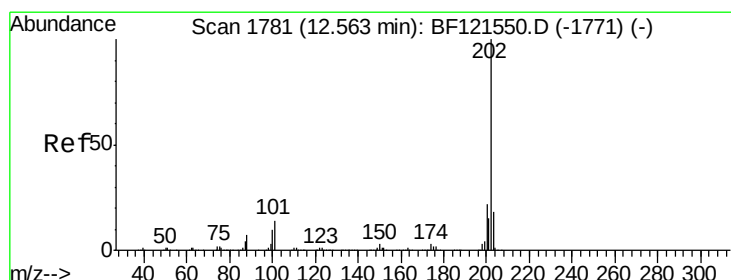
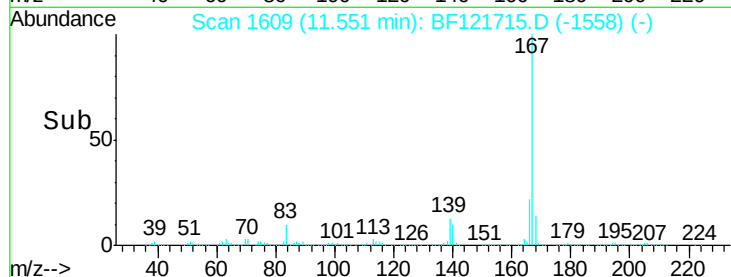
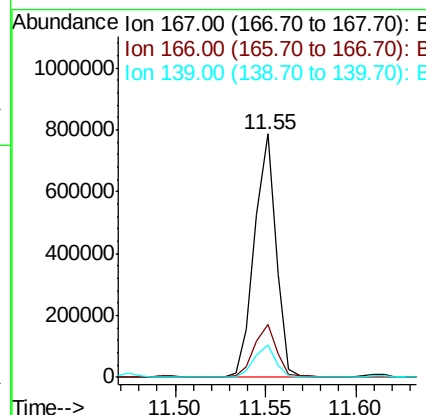
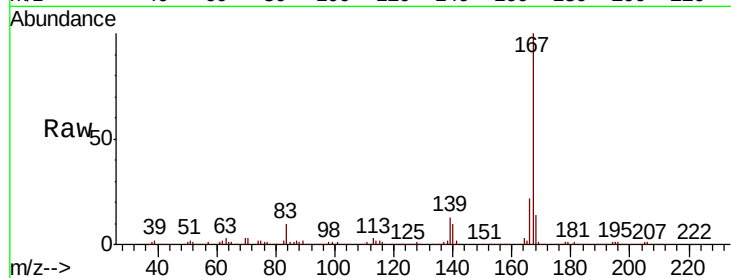




#73
 Carbazole
 Concen: 27.269 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

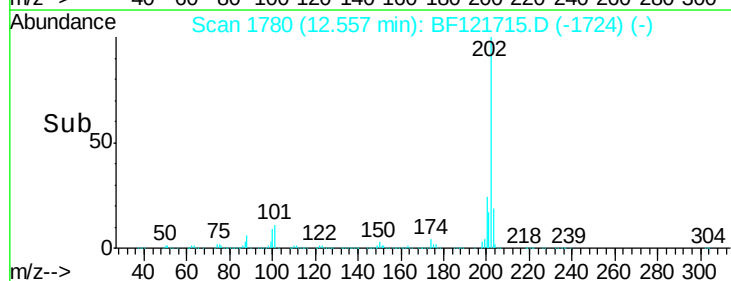
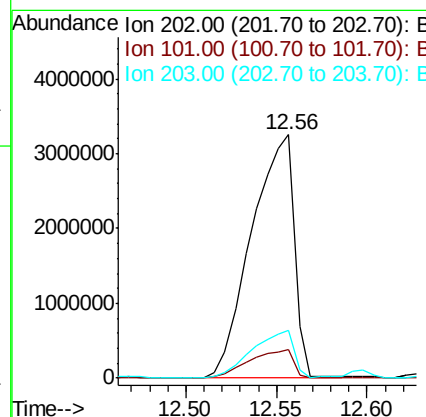
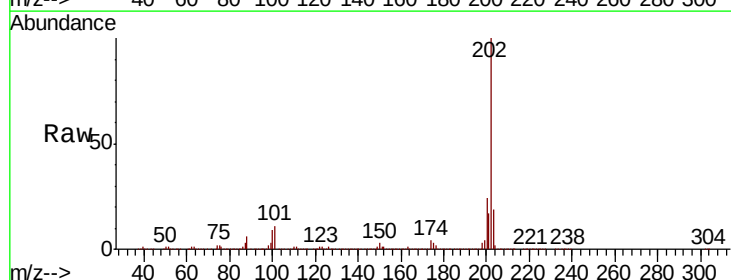
Instrument :
 BNA_F
 ClientSampleId :
 B-5(11-13)

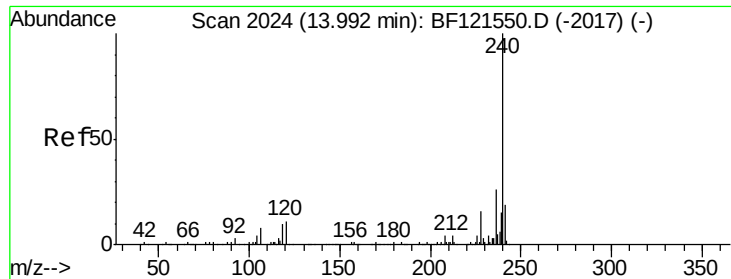
Tot Ion:167 Resp: 652715
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.3 10.7 16.1



#75
 Fluoranthene
 Concen: 194.080 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.03 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

Tgt Ion:202 Resp: 5325135
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 33.7
 203 19.4 0.0 38.5

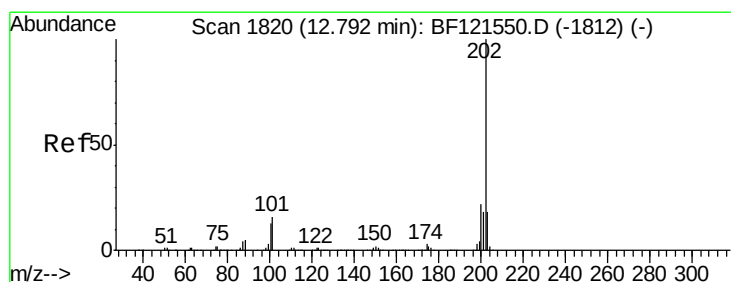
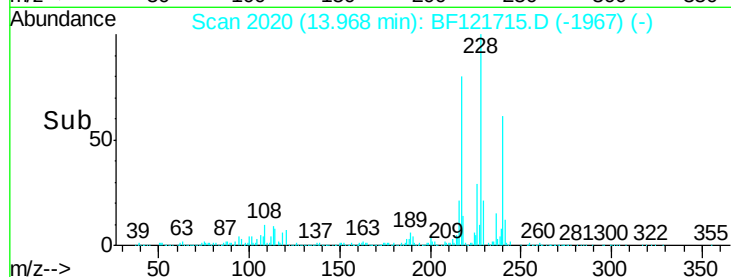
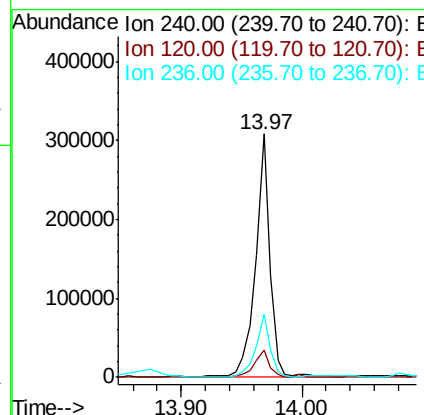
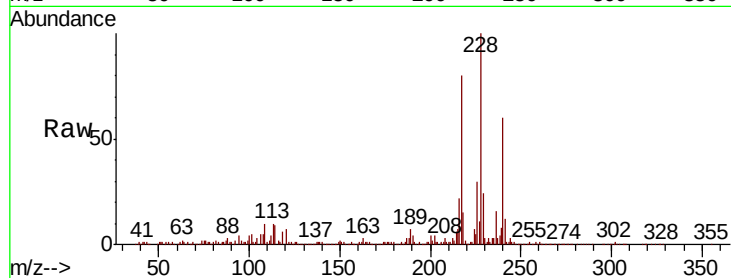




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

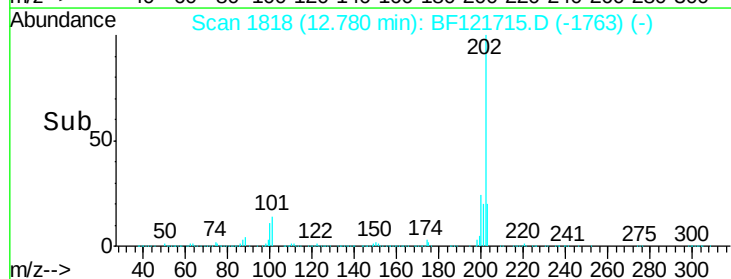
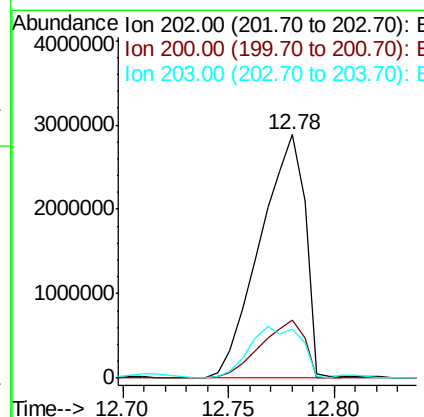
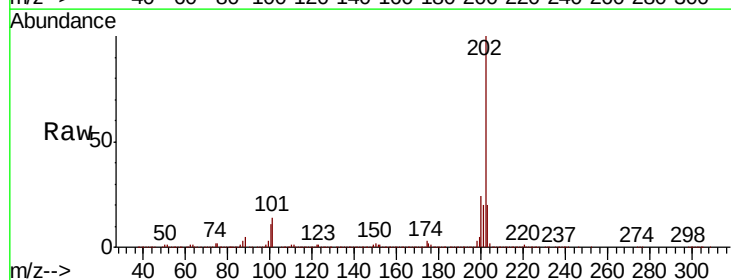
Instrument :
BNA_F
ClientSampleId :
B-5(11-13)

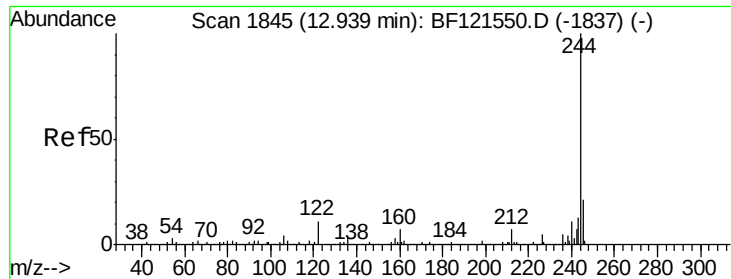
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.1	13.7
236	26.0	20.6	30.8



#78
Pyrene
Concen: 227.514 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.02 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.9	17.8	26.8
203	19.9	14.3	21.5



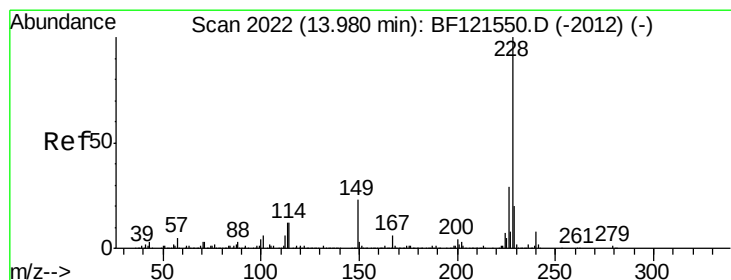
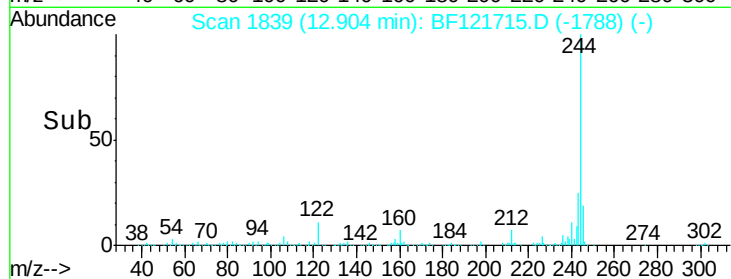
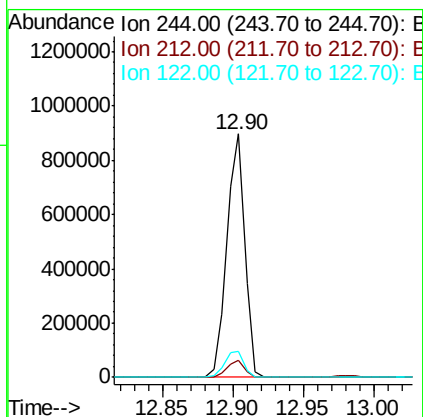
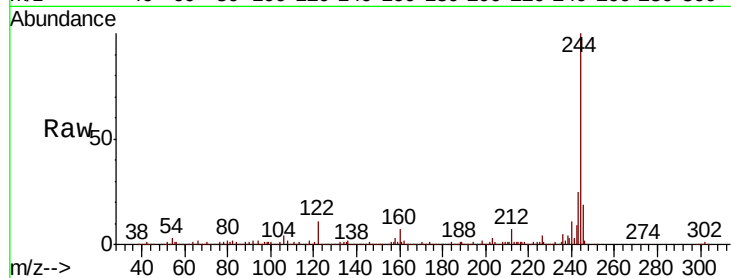


#79
 Terphenyl-d14
 Concen: 62.324 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

Instrument :
 BNA_F
 ClientSampleId :
 B-5(11-13)

Tot Ion:244 Resp: 788833

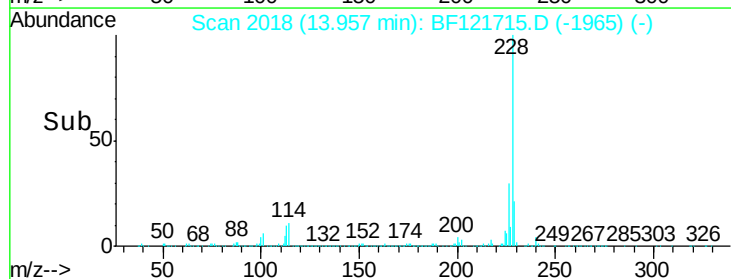
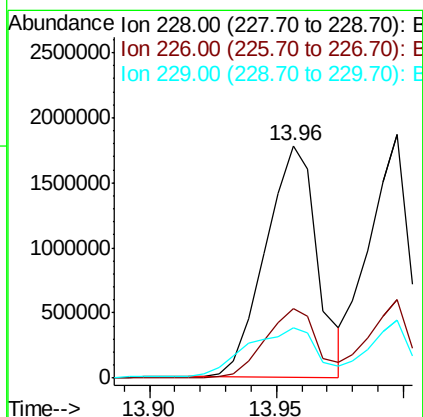
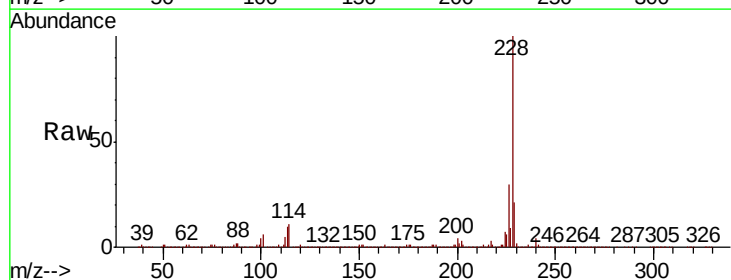
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.7	8.0	12.0

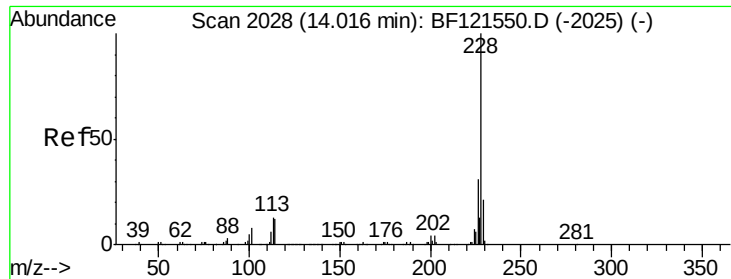


#81
 Benzo(a)anthracene
 Concen: 156.808 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

Tgt Ion:228 Resp: 2543778

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.5	33.7
229	21.4	16.2	24.4

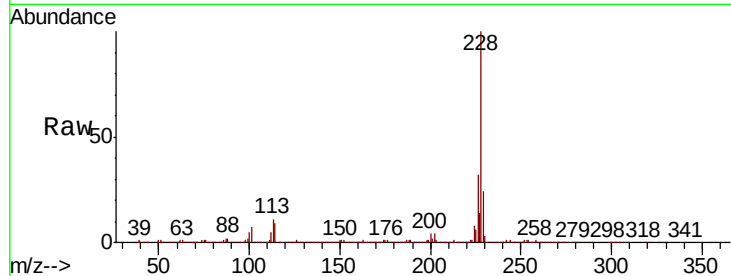




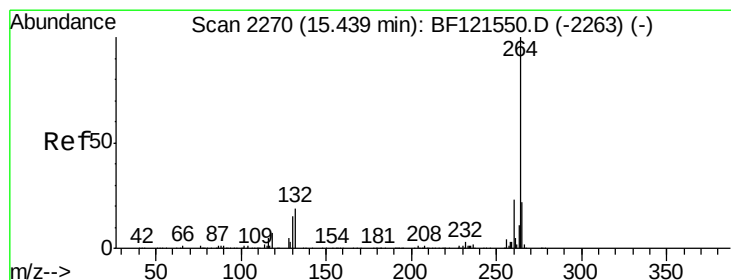
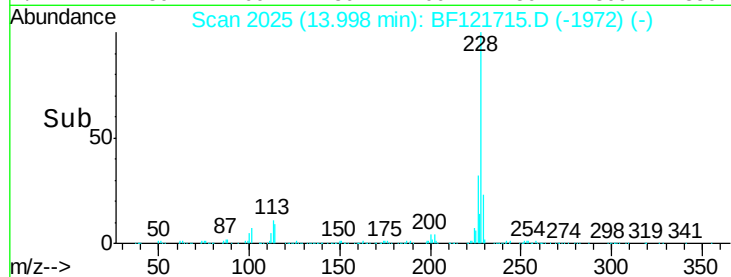
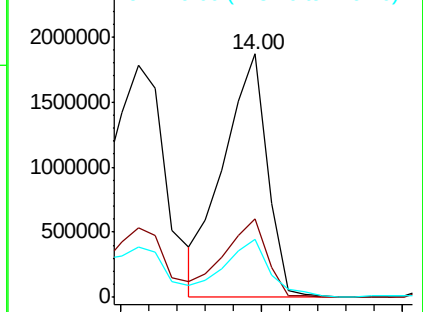
#83
Chrysene
Concen: 122.410 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Instrument :
BNA_F
ClientSampleId :
B-5(11-13)

Tot Ion:228 Resp: 2010851
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.4
229 23.8 16.0 24.0

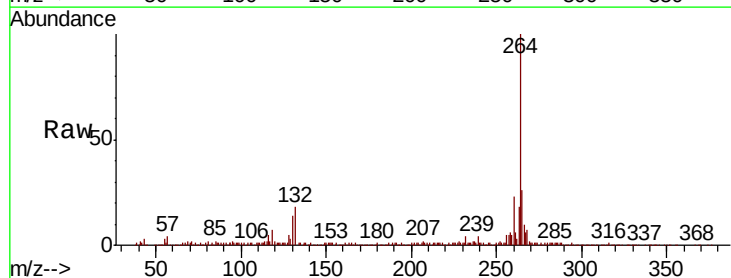


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

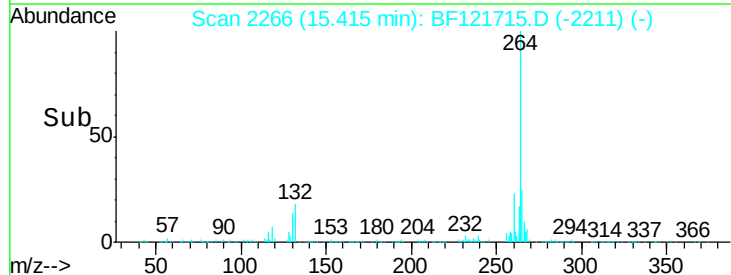
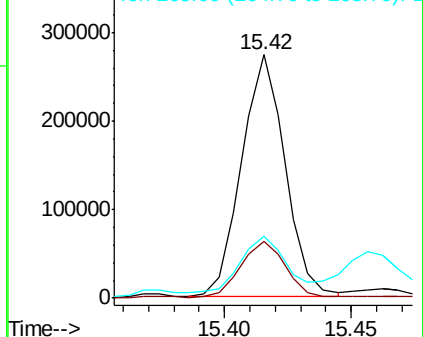


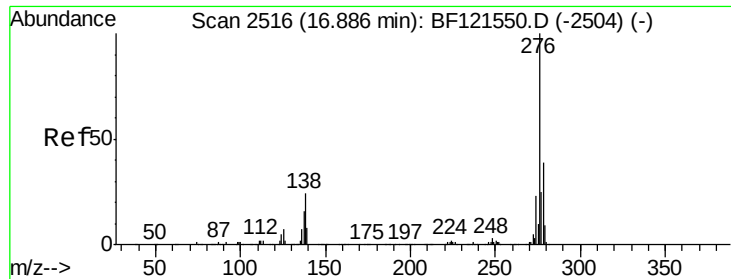
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.02 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Tgt Ion:264 Resp: 325949
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 25.6 17.2 25.8



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



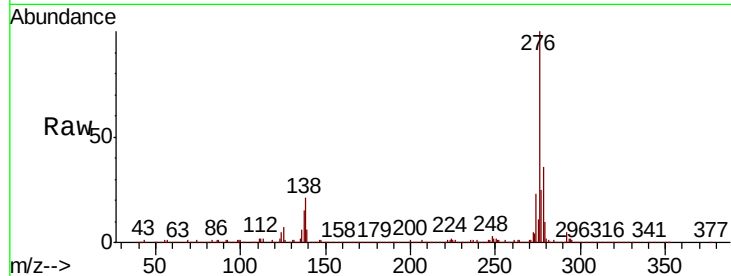


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 65.169 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. 0.04 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

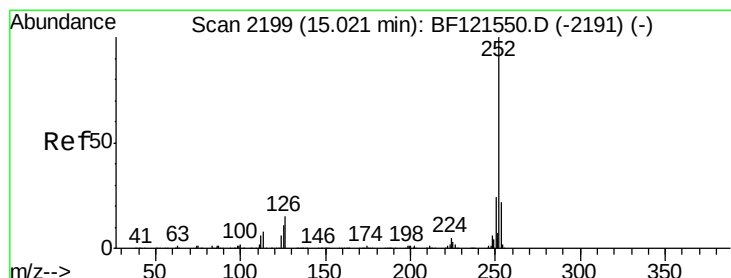
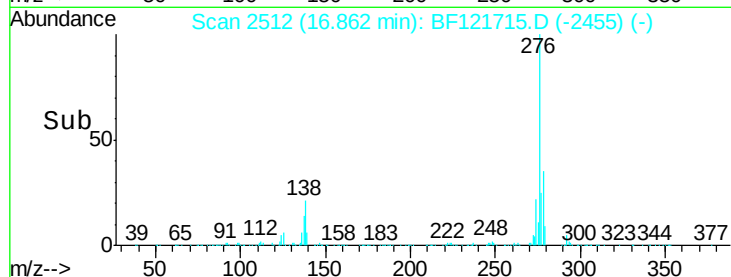
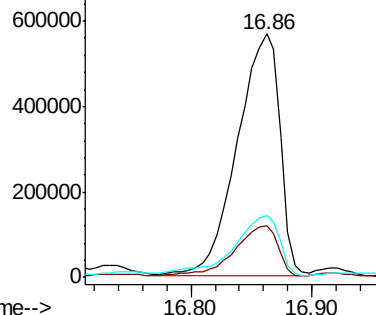
Instrument :
 BNA_F
 ClientSampleId :
 B-5(11-13)

Tot Ion:276 Resp: 1383340

Ion	Ratio	Lower	Upper
276	100		
138	21.4	19.5	29.3
277	26.8	20.2	30.4



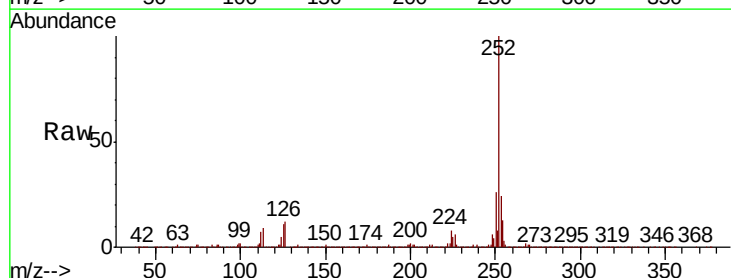
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



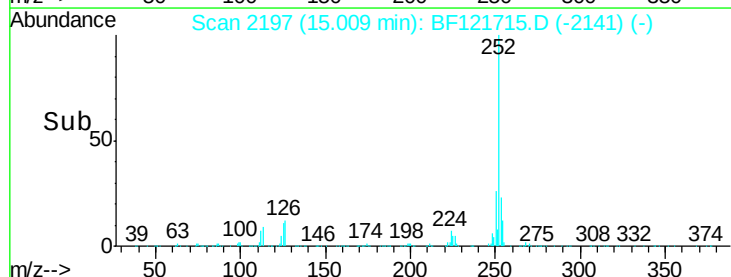
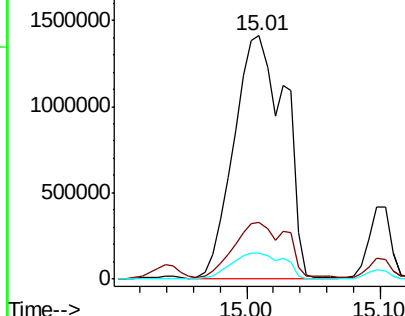
#88
 Benzo(b)fluoranthene
 Concen: 171.465 ng
 RT: 15.01 min Scan# 2197
 Delta R.T. 0.03 min
 Lab File: BF121715.D
 Acq: 28 Sep 2020 16:40

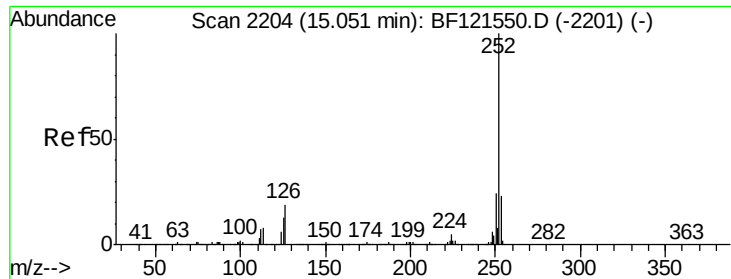
Tgt Ion:252 Resp: 3736232

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	10.8	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





#89

Benzo(k)fluoranthene

Concen: 187.242 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-5(11-13)

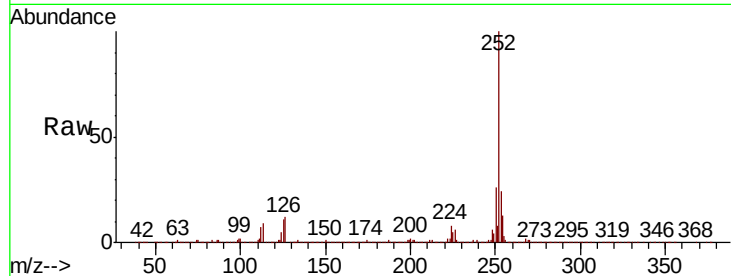
Tot Ion:252 Resp: 3736232

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

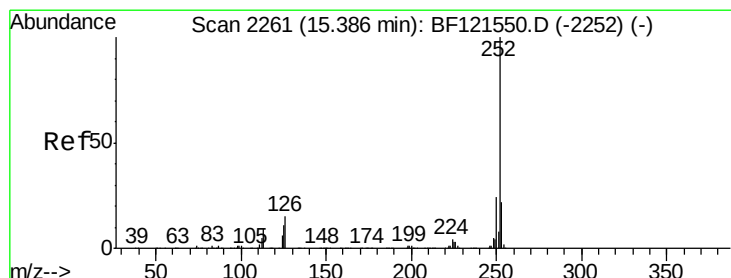
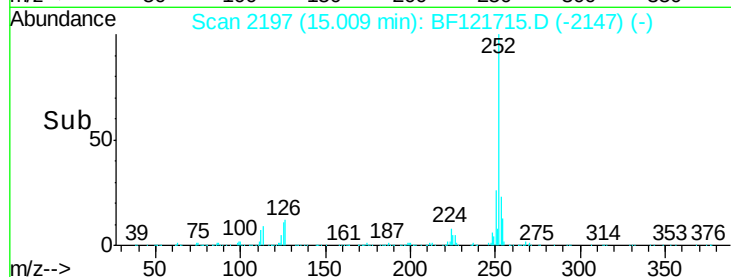
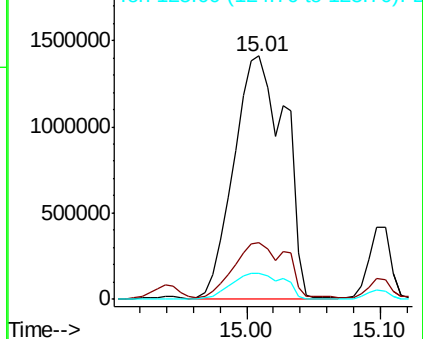
125 10.8 7.1 10.7#



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: 109.789 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.03 min

Lab File: BF121715.D

Acq: 28 Sep 2020 16:40

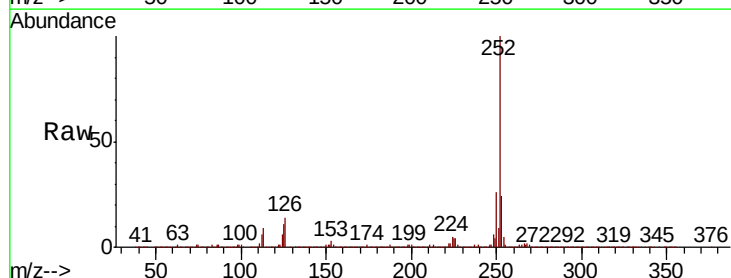
Tgt Ion:252 Resp: 2033549

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

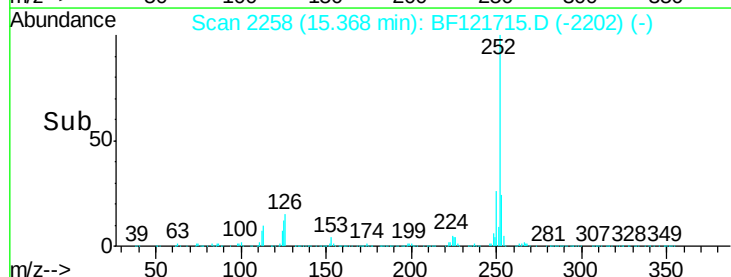
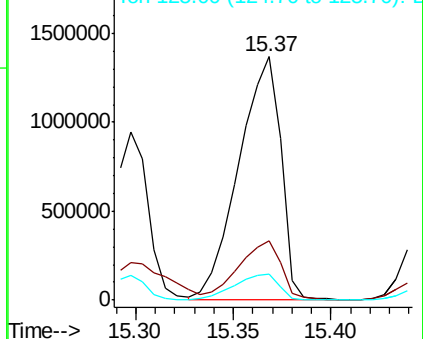
125 10.9 9.2 13.8

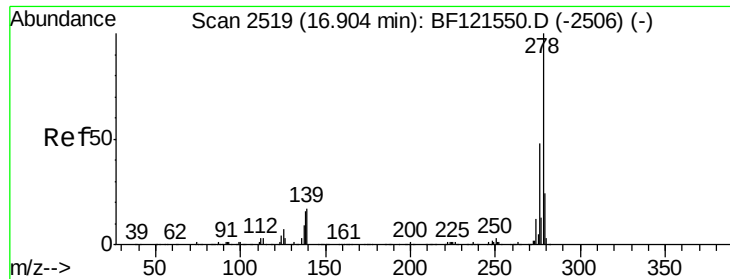


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

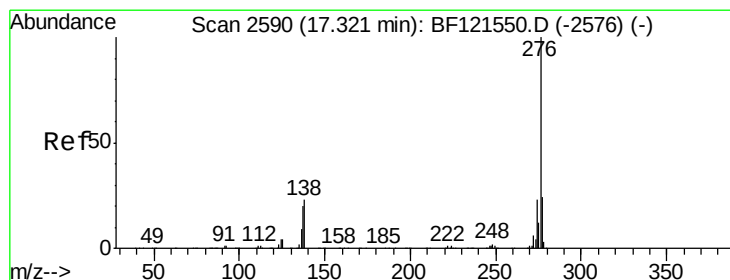
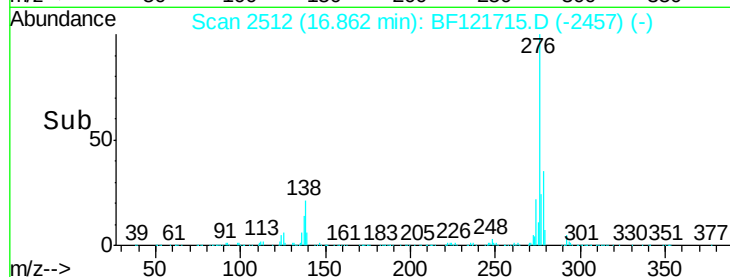
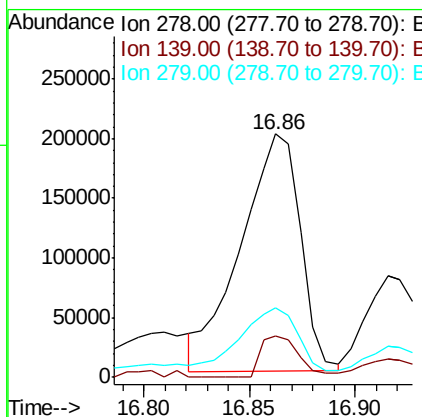
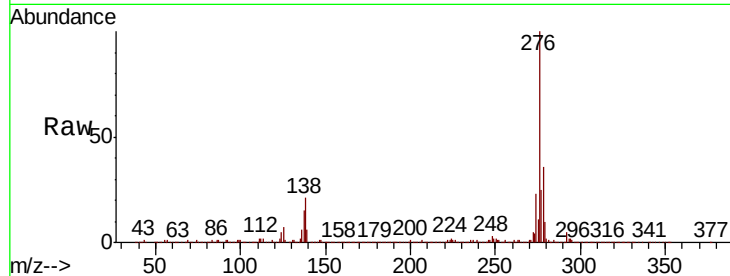




#91
Dibenzo(a,h)anthracene
Concen: 22.069 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.02 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Instrument :
BNA_F
ClientSampleId :
B-5(11-13)

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.0	19.4
279	28.5	19.3	28.9



#92
Benzo(g,h,i)perylene
Concen: 66.488 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.04 min
Lab File: BF121715.D
Acq: 28 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	21.3	16.6	25.0

