

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111553.D
 Acq On : 17 Dec 2018 21:49
 Operator : JU/SJ
 Sample : J6403-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

Quant Time: Dec 18 04:12:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	122812	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	506363	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	368247	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	551799	20.00	ng	0.00
76) Chrysene-d12	13.96	240	330428	20.00	ng	0.01
87) Perylene-d12	15.40	264	352422	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	922666	125.02	ng	0.00
7) Phenol-d6	6.44	99	990806	100.93	ng	0.00
23) Nitrobenzene-d5	7.35	82	614133	72.22	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	260791	79.06	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1529600	64.16	ng	0.00
79) Terphenyl-d14	12.90	244	1010279	71.80	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.45	94	62378	5.704	ng	98
18) Hexachloroethane	7.33	117	60799	16.581	ng	# 1
19) n-Nitroso-di-n-propylamine	7.35	70	92994	14.358	ng	# 81
22) Acetophenone	7.19	105	30250	2.676	ng	# 49
24) Nitrobenzene	7.36	77	18950	2.185	ng	# 6
31) Naphthalene	8.10	128	3594491	151.771	ng	99
33) 4-Chloroaniline	8.10	127	510821	48.504	ng	# 32
35) Caprolactam	8.50	113	12179	4.712	ng	# 1
37) 2-Methylnaphthalene	8.81	142	4579633	285.758	ng	97
38) 1-Methylnaphthalene	8.81	142	4579633	295.791	ng	98
46) 1,1'-Biphenyl	9.25	154	717235	22.987	ng	96
48) 2-Nitroaniline	9.36	65	57513	7.468	ng	# 32
49) Acenaphthylene	9.70	152	736464	20.919	ng	# 78
50) Dimethylphthalate	9.55	163	294108	11.090	ng	# 97
52) Acenaphthene	9.89	154	3876294	174.207	ng	98
55) Dibenzofuran	10.04	168	330250	10.225	ng	# 47
56) 4-Nitrophenol	9.94	139	141865	28.272	ng	# 27
57) 2,4-Dinitrotoluene	9.99	165	103506	13.211	ng	# 52
58) Fluorene	10.39	166	2569205	109.669	ng	98
63) Azobenzene	10.53	77	96190	3.632	ng	# 1
66) n-Nitrosodiphenylamine	10.50	169	334740	17.591	ng	# 1
71) Phenanthrene	11.37	178	7041839	247.663	ng	98
72) Anthracene	11.41	178	2936964	101.002	ng	98
75) Fluoranthene	12.55	202	2469929	88.795	ng	98
78) Pyrene	12.77	202	3743429	160.688	ng	98
81) Benzo(a)anthracene	13.95	228	1531551	85.244	ng	# 83
83) Chrysene	13.99	228	1526711	80.664	ng	96
86) Indeno(1,2,3-cd)pyrene	16.82	276	266169	19.485	ng	96
88) Benzo(b)fluoranthene	14.99	252	1156118	56.268	ng	97
89) Benzo(k)fluoranthene	14.99	252	1156118	58.887	ng	# 96
90) Benzo(a)pyrene	15.34	252	1031495	55.671	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	117766	8.058	ng	# 88
92) Benzo(g,h,i)perylene	17.24	276	263283	18.352	ng	97

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

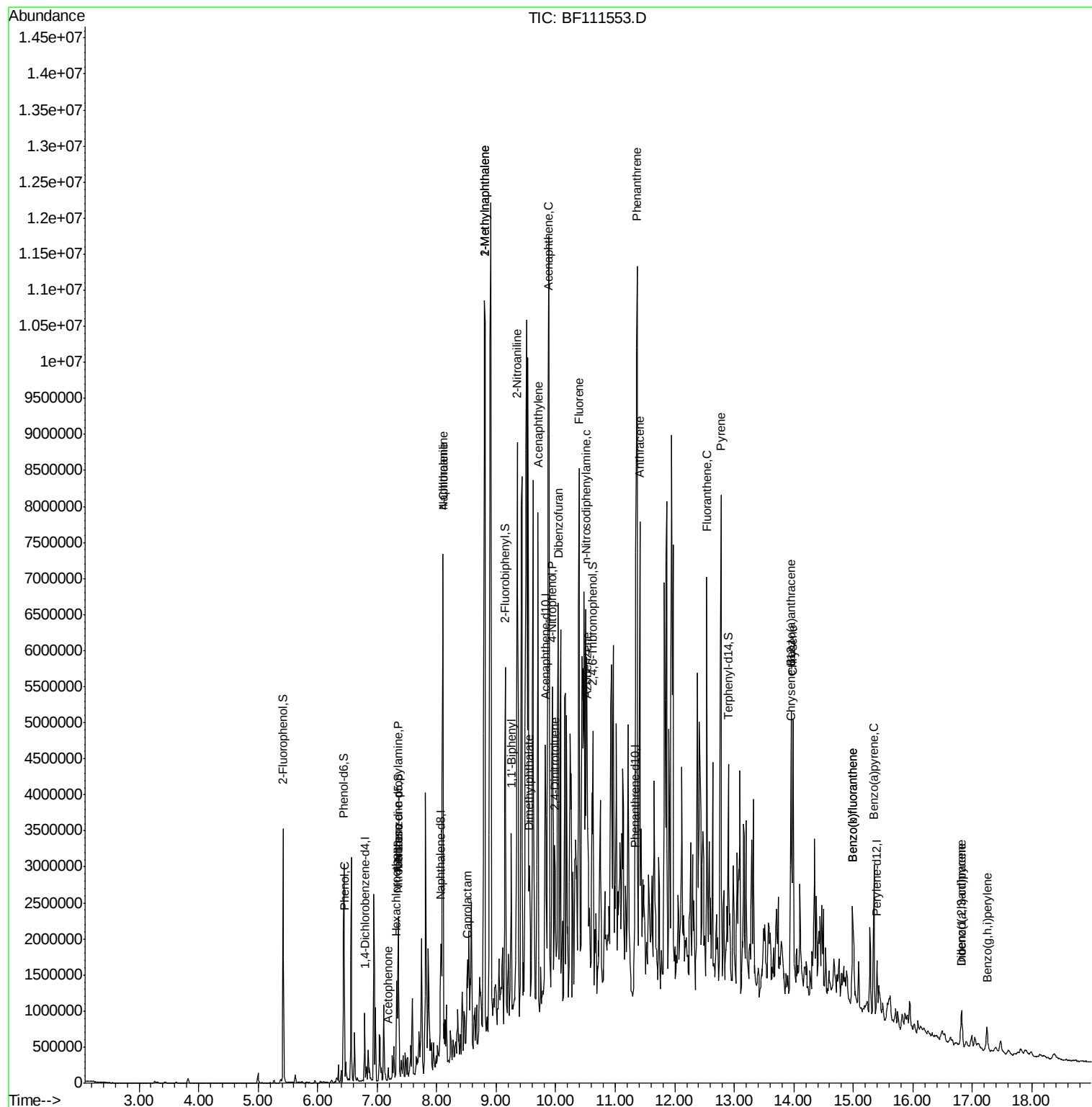
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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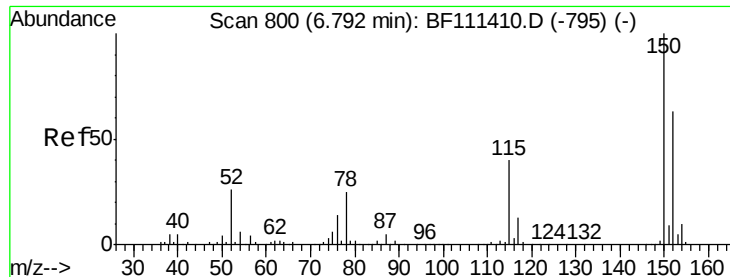
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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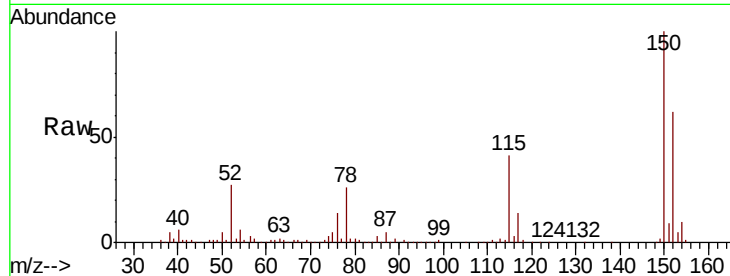


#1

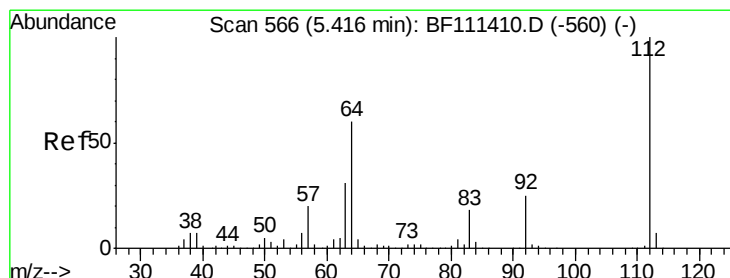
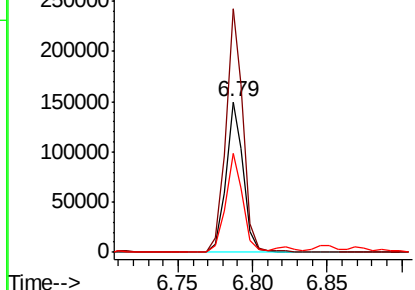
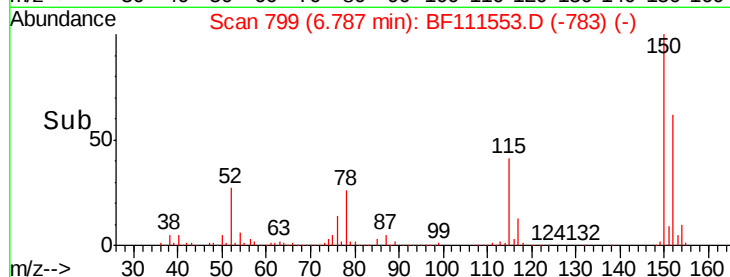
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

Tgt Ion:152 Resp: 122812
 Ion Ratio Lower Upper
 152 100
 150 161.9 126.6 189.8
 115 65.9 50.7 76.1



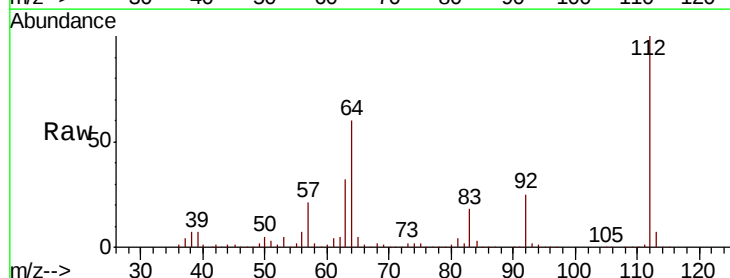
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



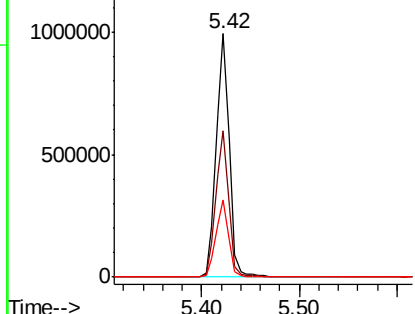
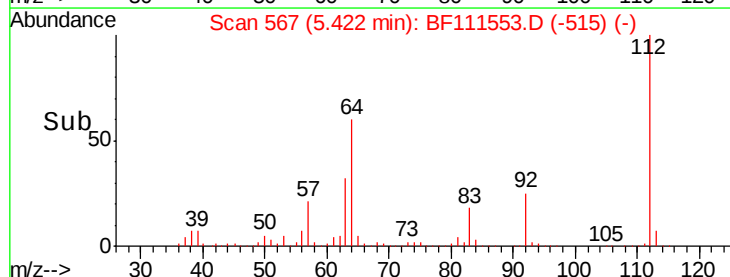
#5

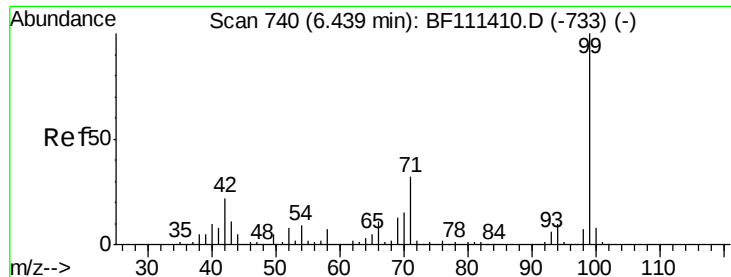
2-Fluorophenol
 Concen: 125.018 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion:112 Resp: 922666
 Ion Ratio Lower Upper
 112 100
 64 60.1 51.8 77.6
 63 32.0 26.8 40.2



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: 100.927 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampled :

TP-3-A

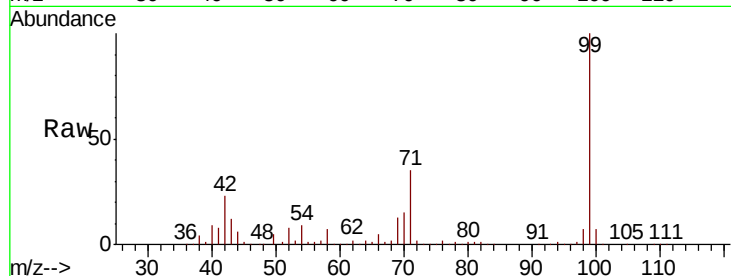
Tgt Ion: 99 Resp: 990806

Ion Ratio Lower Upper

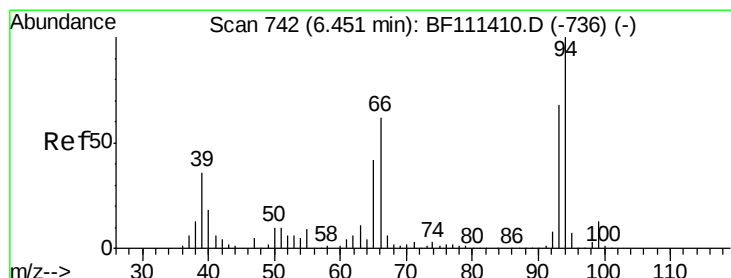
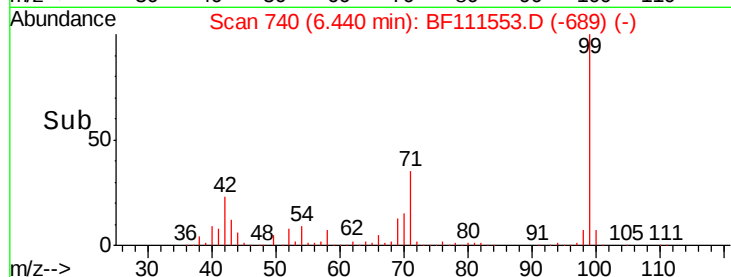
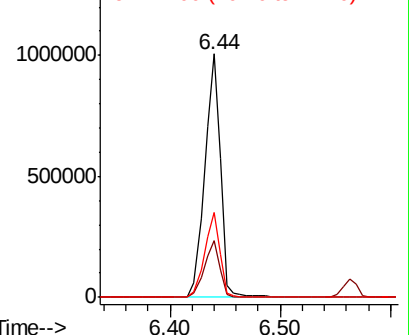
99 100

42 23.2 17.4 26.0

71 35.1 26.1 39.1



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



#10

Phenol

Concen: 5.704 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

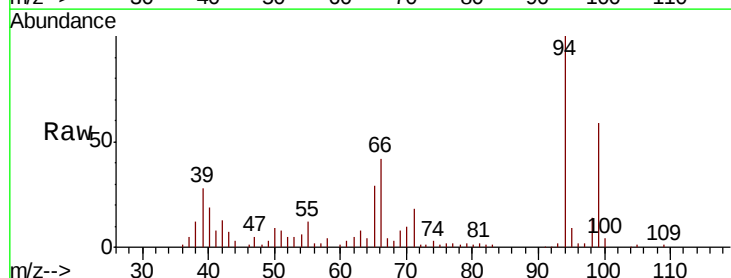
Tgt Ion: 94 Resp: 62378

Ion Ratio Lower Upper

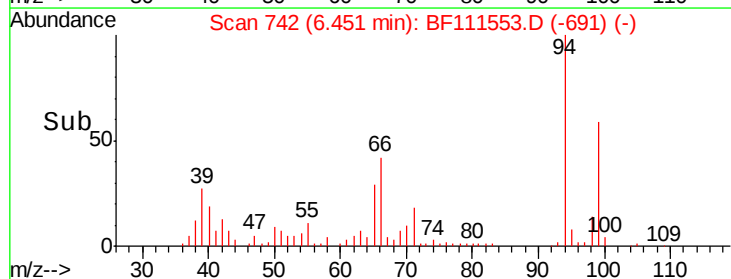
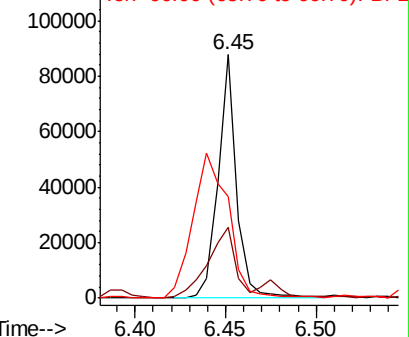
94 100

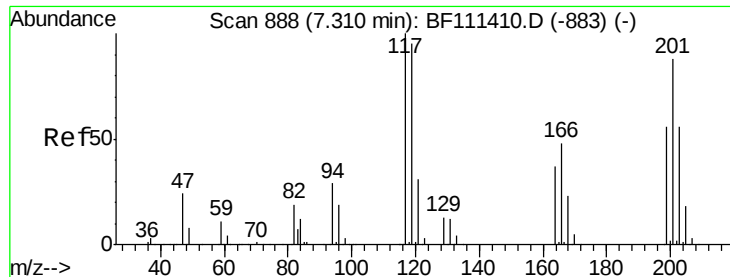
65 29.2 11.7 51.7

66 41.6 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

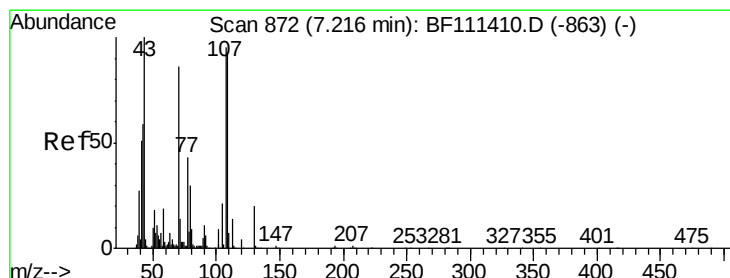
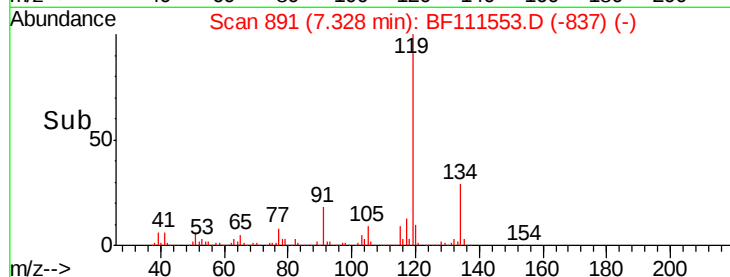
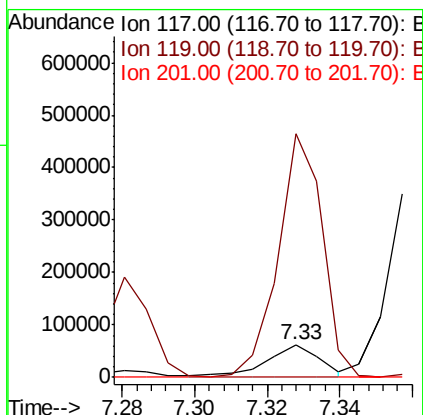
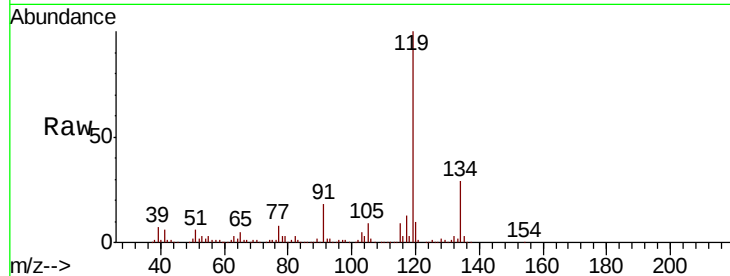




#18
Hexachloroethane
Concen: 16.581 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.02 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

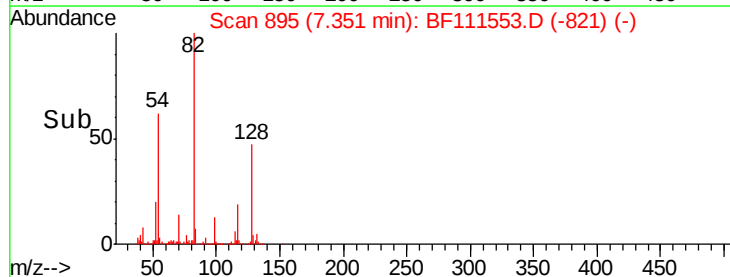
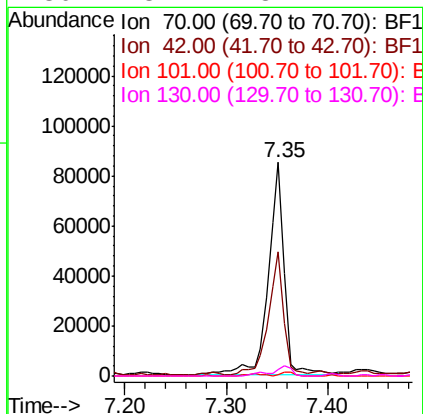
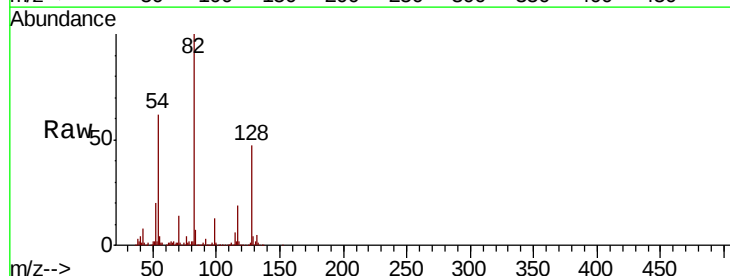
Instrument :
BNA_F
ClientSampleId :
TP-3-A

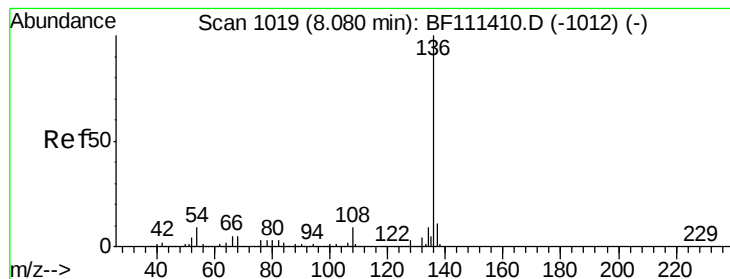
Tgt Ion: 117 Resp: 60799
Ion Ratio Lower Upper
117 100
119 741.3 75.4 113.0#
201 0.0 62.4 93.6#



#19
n-Nitroso-di-n-propylamine
Concen: 14.358 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion: 70 Resp: 92994
Ion Ratio Lower Upper
70 100
42 58.0 53.2 79.8
101 0.6 8.2 12.4#
130 3.1 18.1 27.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

Tgt Ion:136 Resp: 506363

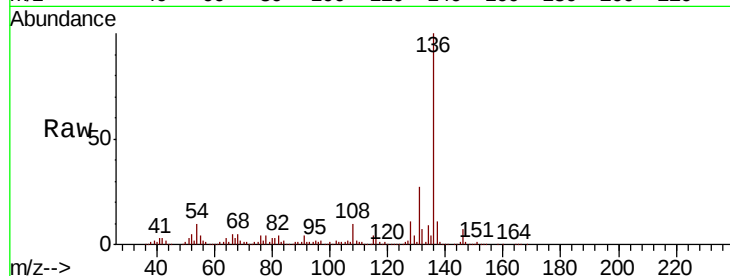
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.7 7.7 11.5

68 4.7 4.9 7.3#



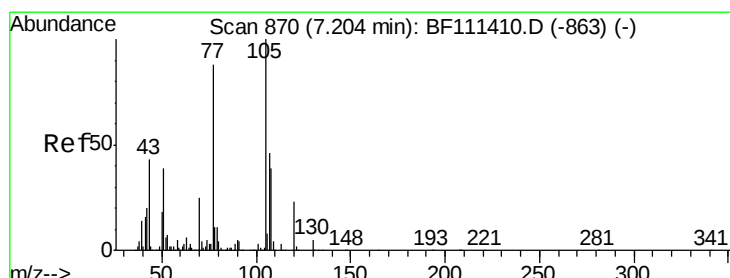
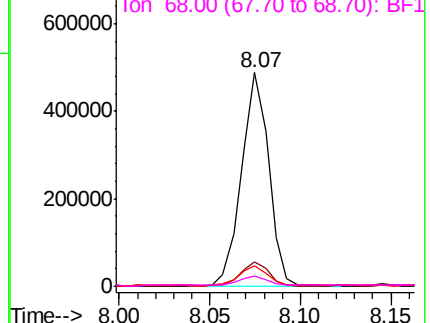
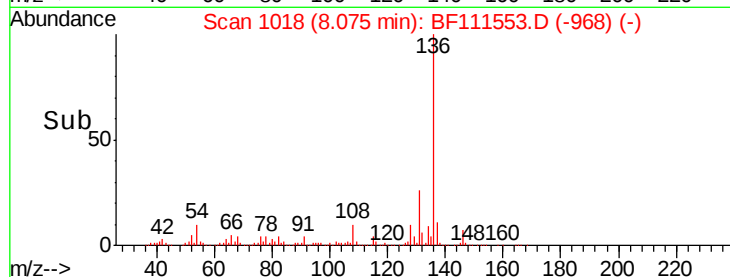
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 2.676 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Tgt Ion:105 Resp: 30250

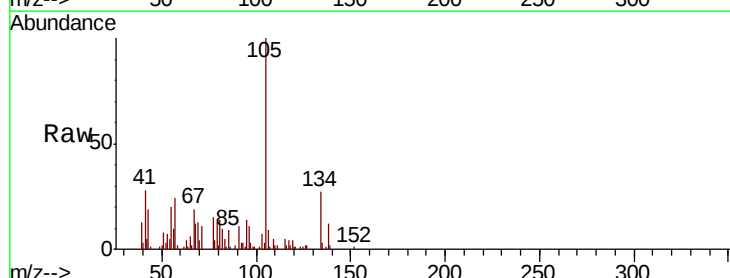
Ion Ratio Lower Upper

105 100

71 10.7 3.1 4.7#

51 8.3 36.6 54.8#

120 1.2 18.2 27.4#



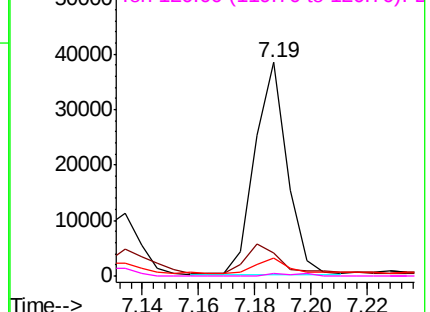
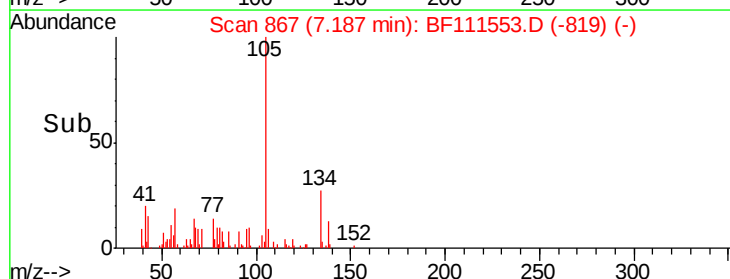
Abundance

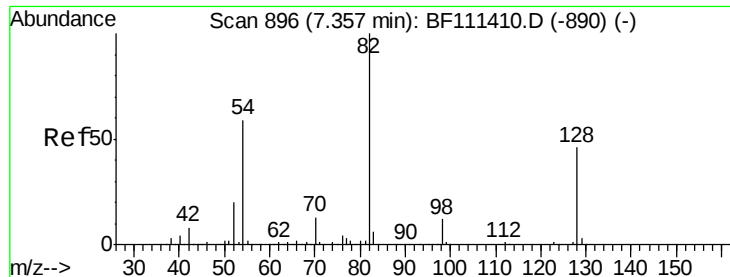
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

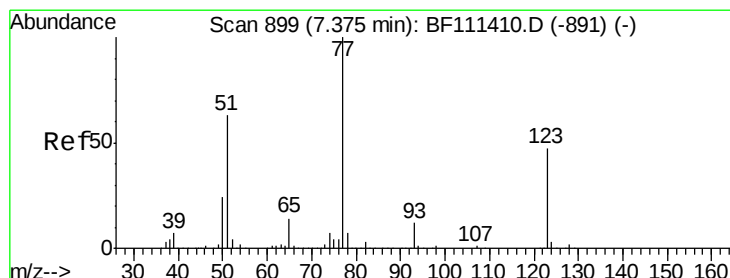
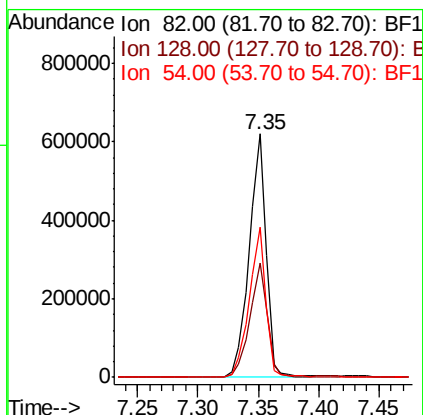
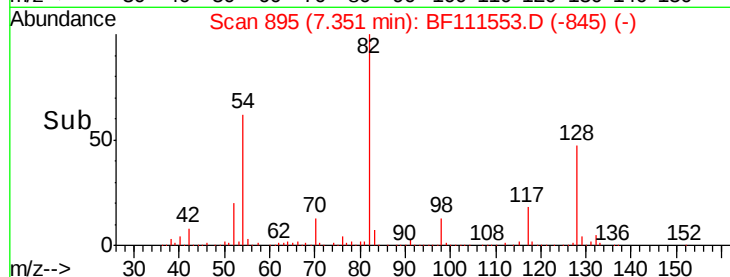
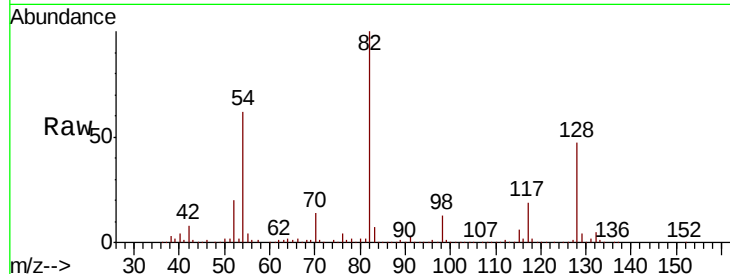




#23
Nitrobenzene-d5
Concen: 72.223 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

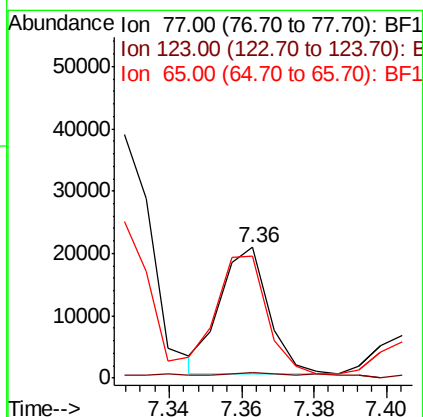
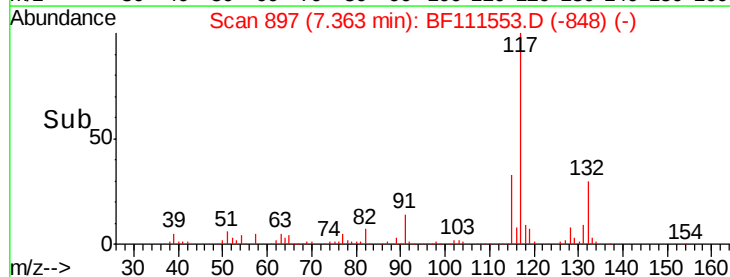
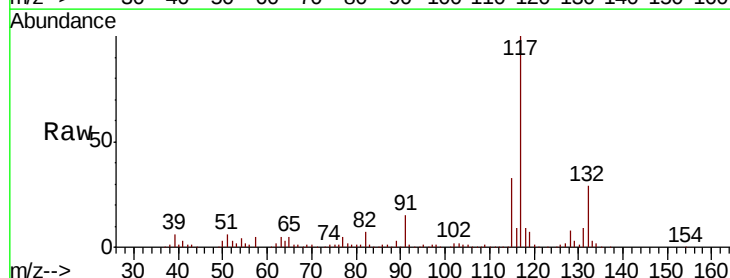
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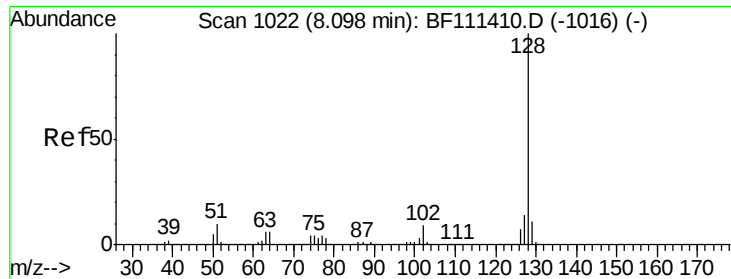
Tgt Ion: 82 Resp: 614133
Ion Ratio Lower Upper
82 100
128 46.9 37.4 56.2
54 61.7 47.6 71.4



#24
Nitrobenzene
Concen: 2.185 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion: 77 Resp: 18950
Ion Ratio Lower Upper
77 100
123 4.1 37.2 55.8#
65 93.1 11.5 17.3#

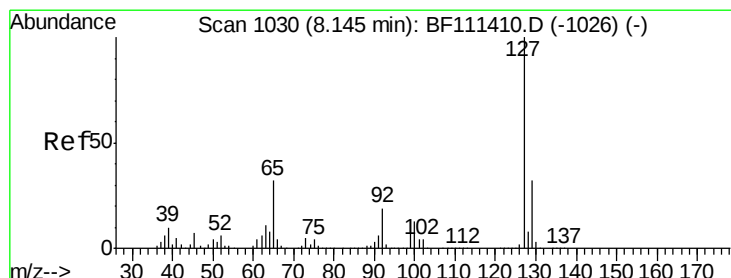
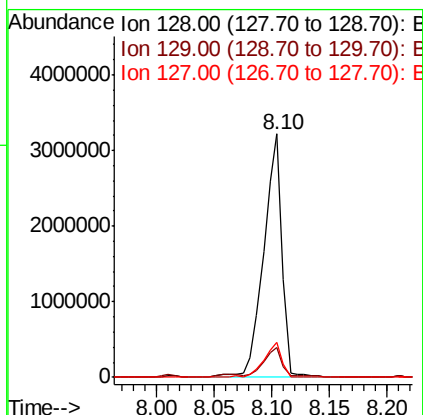
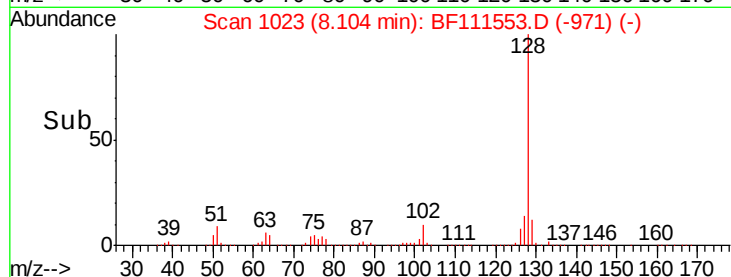
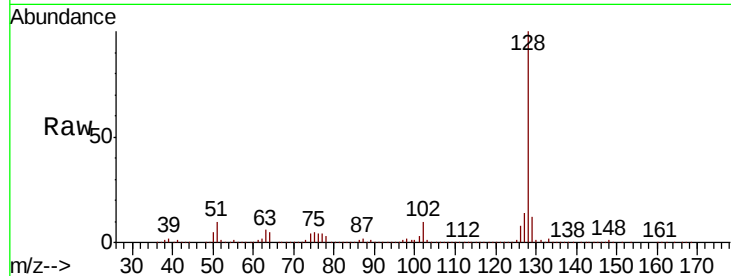




#31
Naphthalene
Concen: 151.771 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

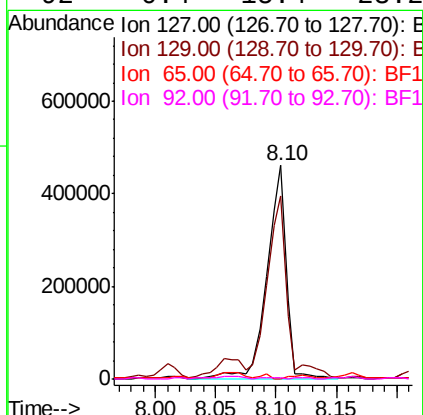
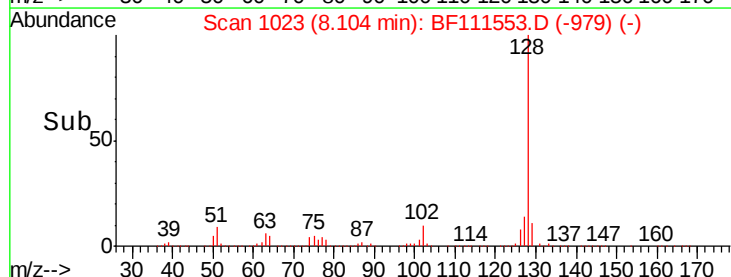
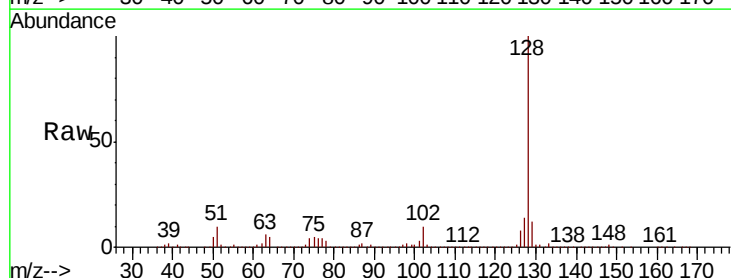
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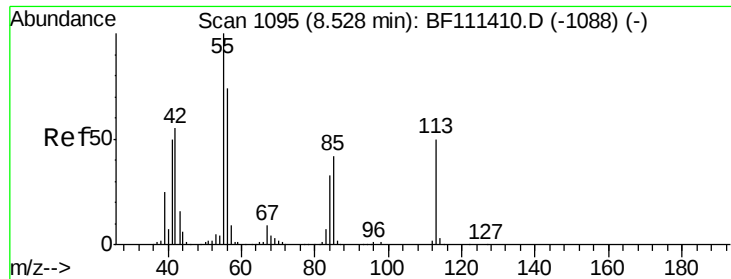
Tgt Ion:128 Resp: 3594491
Ion Ratio Lower Upper
128 100
129 12.3 9.8 14.8
127 14.3 12.0 18.0



#33
4-Chloroaniline
Concen: 48.504 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.04 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion:127 Resp: 510821
Ion Ratio Lower Upper
127 100
129 85.9 26.6 39.8#
65 0.0 25.7 38.5#
92 0.4 15.4 23.2#

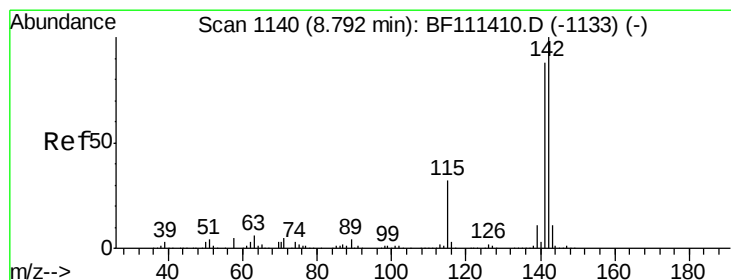
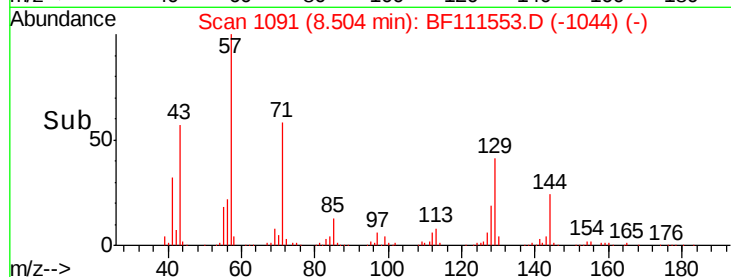
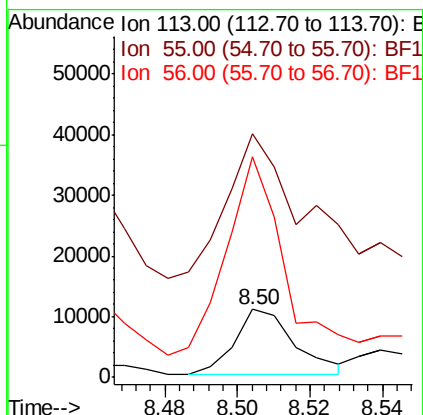
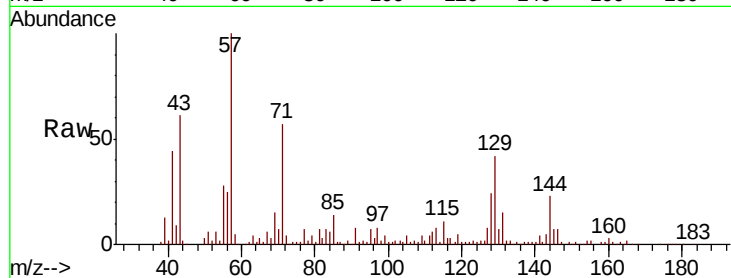




#35
 Caprolactam
 Concen: 4.712 ng
 RT: 8.50 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

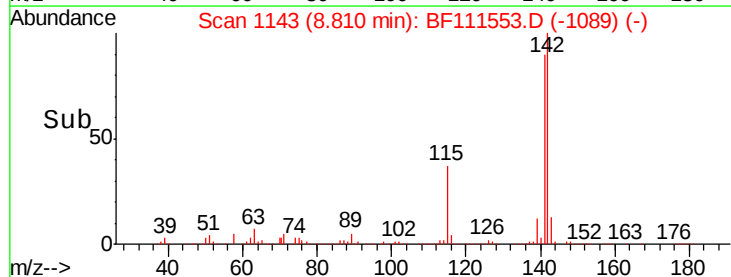
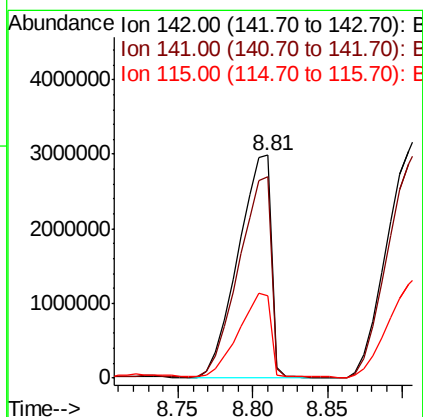
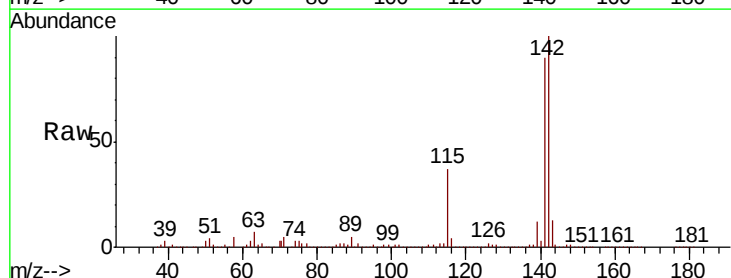
Instrument :
 BNA_F
 ClientSampled :
 TP-3-A

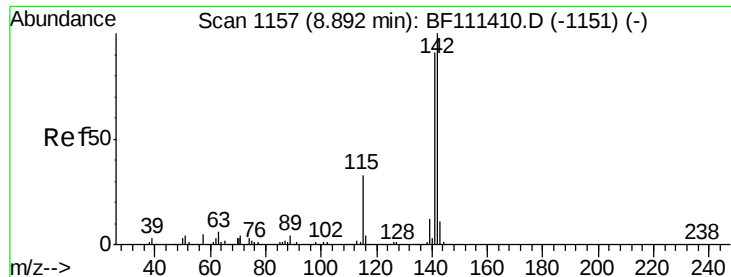
Tgt Ion:113 Resp: 12179
 Ion Ratio Lower Upper
 113 100
 55 357.8 184.1 224.1#
 56 324.5 126.0 166.0#



#37
 2-Methylnaphthalene
 Concen: 285.758 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. 0.02 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion:142 Resp: 4579633
 Ion Ratio Lower Upper
 142 100
 141 90.5 70.6 105.8
 115 37.0 27.0 40.6

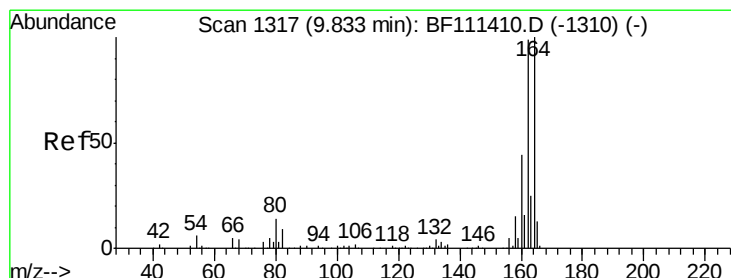
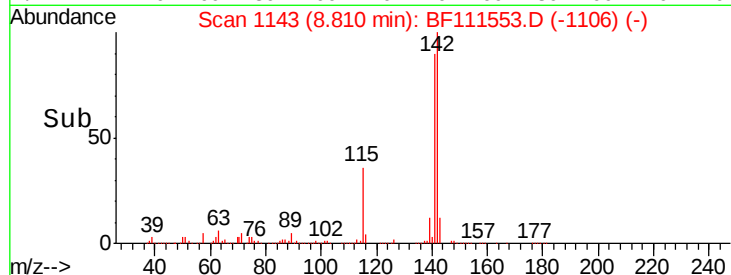
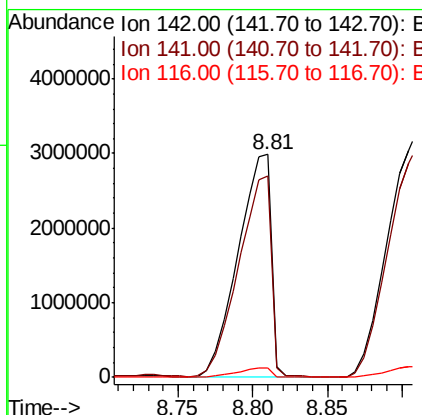
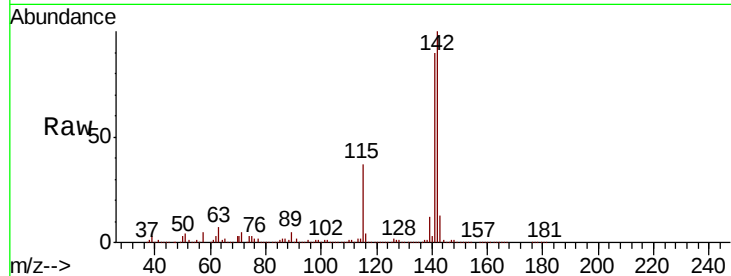




#38
1-Methylnaphthalene
Concen: 295.791 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.08 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

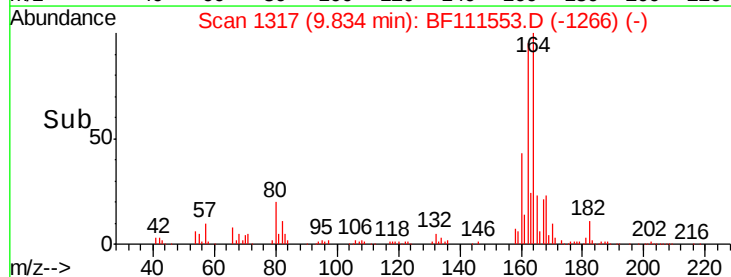
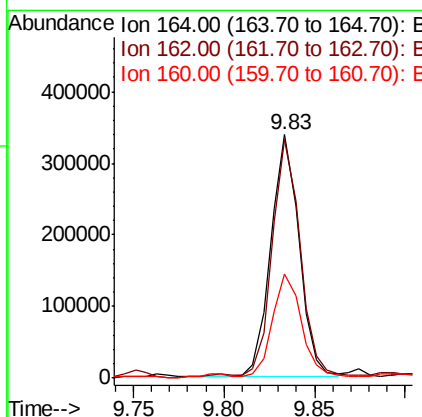
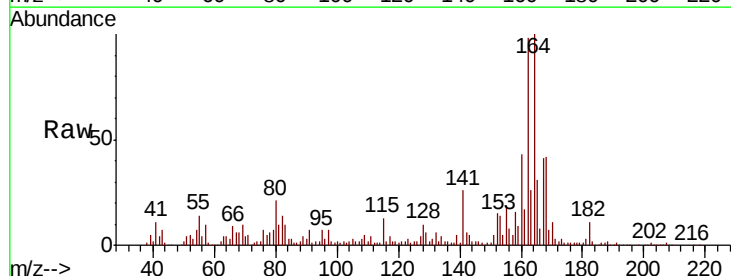
Instrument :
BNA_F
ClientSampleId :
TP-3-A

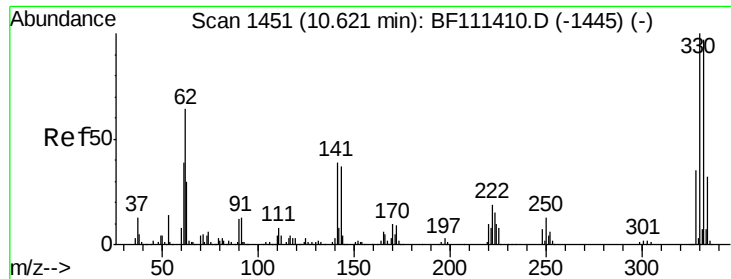
Tgt Ion:142 Resp: 4579633
Ion Ratio Lower Upper
142 100
141 90.5 74.2 111.4
116 4.0 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion:164 Resp: 368247
Ion Ratio Lower Upper
164 100
162 97.9 81.4 122.0
160 42.5 35.7 53.5

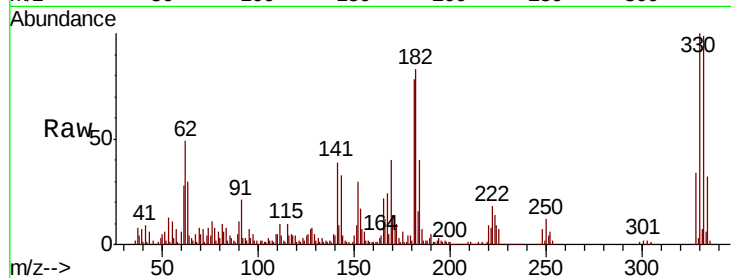




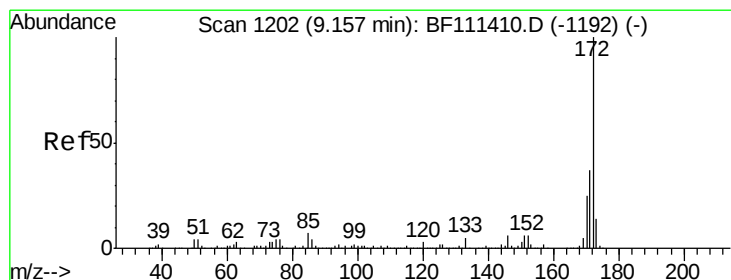
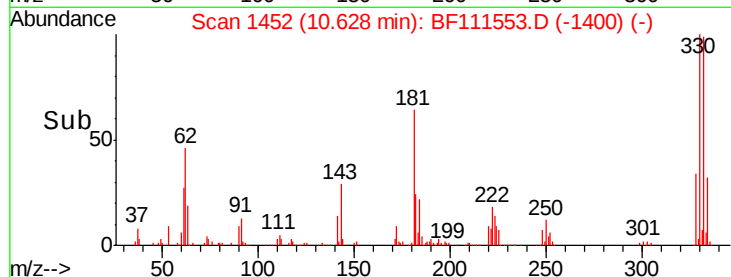
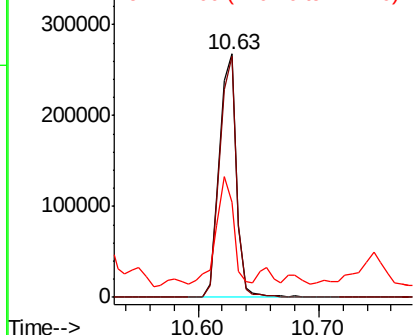
#42
 2,4,6-Tribromophenol
 Concen: 79.058 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

Tgt Ion:330 Resp: 260791
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.0 114.0
 141 43.7 31.0 46.6

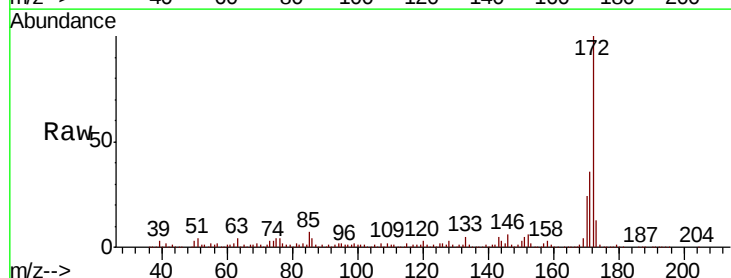


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

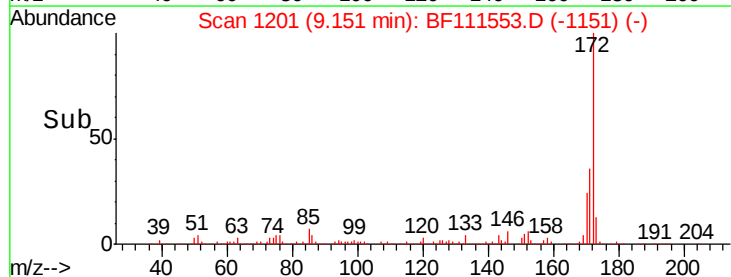
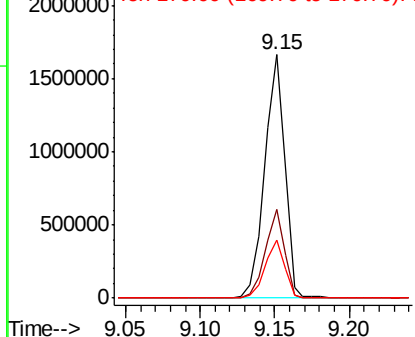


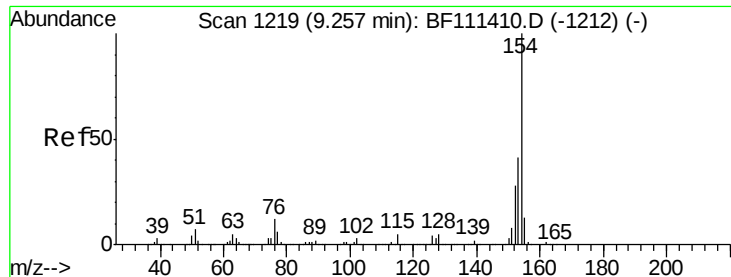
#45
 2-Fluorobiphenyl
 Concen: 64.160 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion:172 Resp: 1529600
 Ion Ratio Lower Upper
 172 100
 171 36.2 33.0 49.4
 170 23.9 22.3 33.5



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

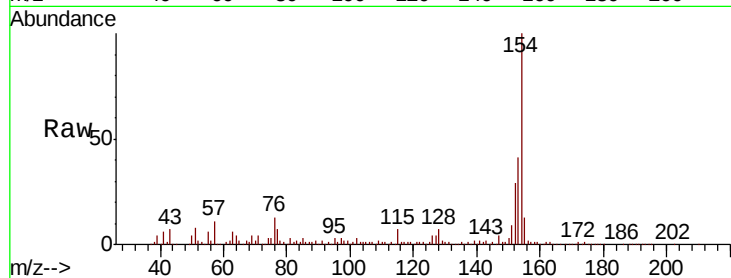




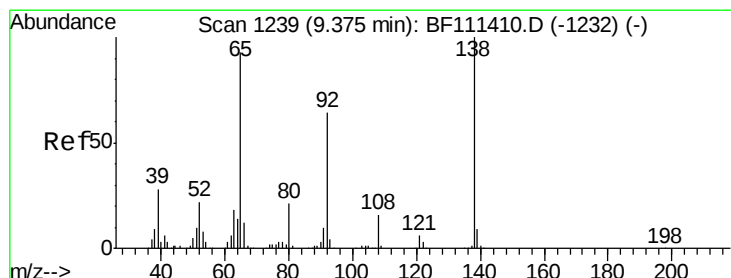
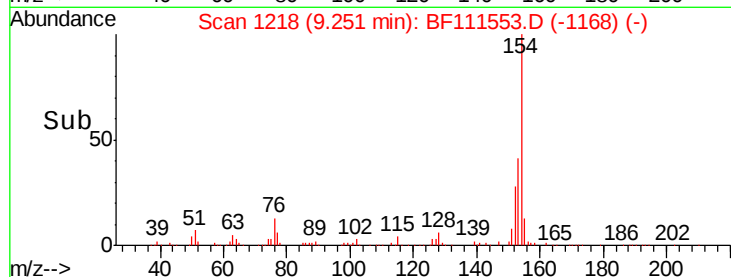
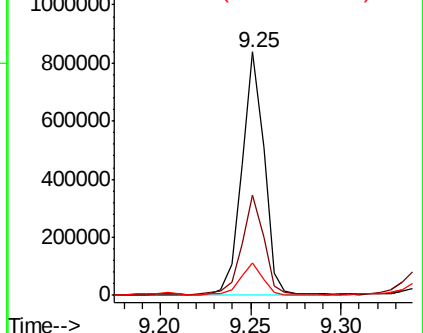
#46
 1,1'-Biphenyl
 Concen: 22.987 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampled :
 TP-3-A

Tgt Ion: 154 Resp: 717235
 Ion Ratio Lower Upper
 154 100
 153 41.1 23.7 63.7
 76 13.1 0.0 35.0

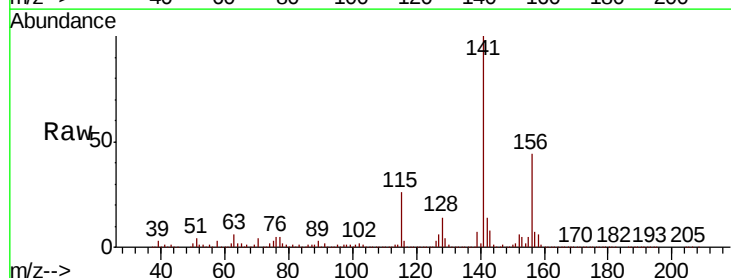


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

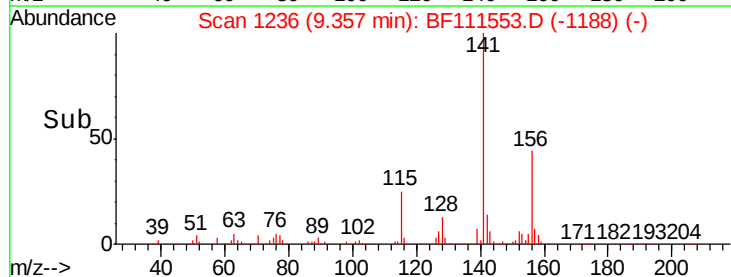
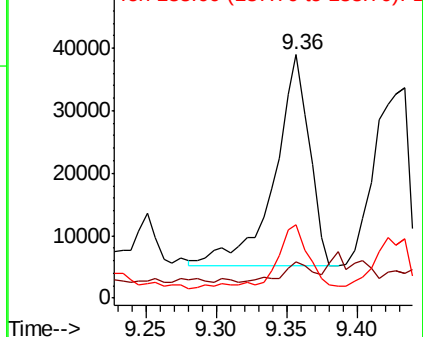


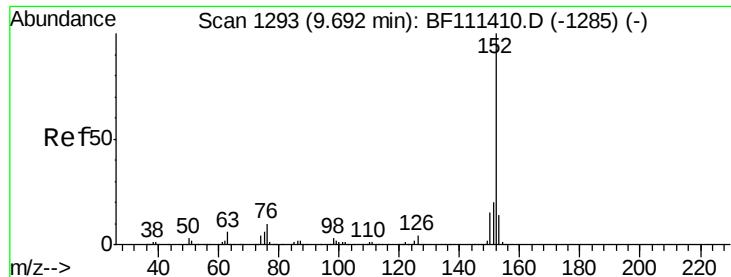
#48
 2-Nitroaniline
 Concen: 7.468 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.02 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion: 65 Resp: 57513
 Ion Ratio Lower Upper
 65 100
 92 15.0 53.5 80.3#
 138 29.9 80.9 121.3#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

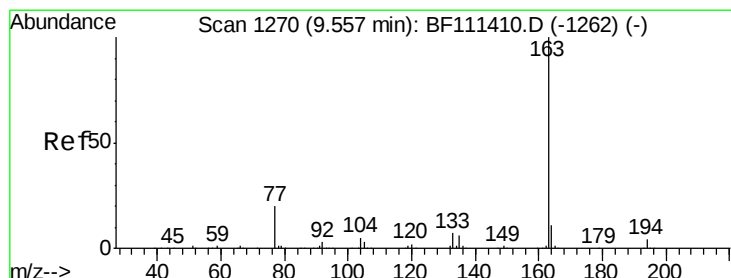
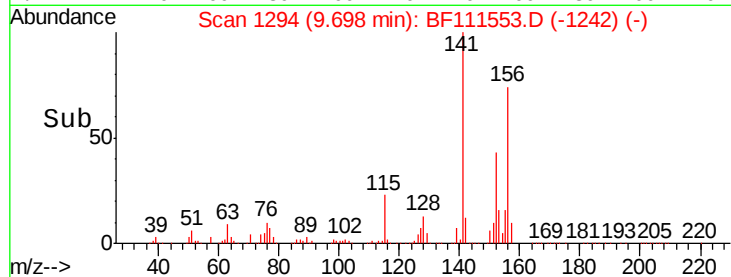
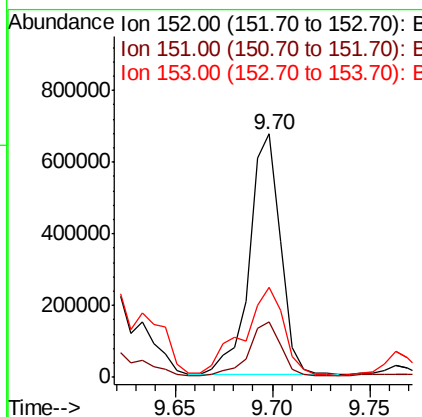
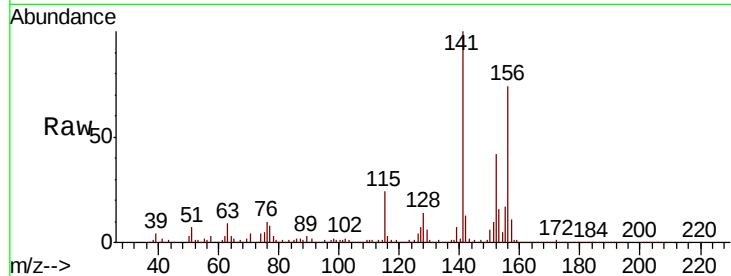




#49
 Acenaphthylene
 Concen: 20.919 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

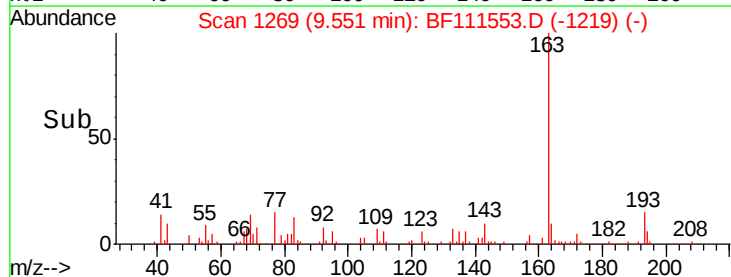
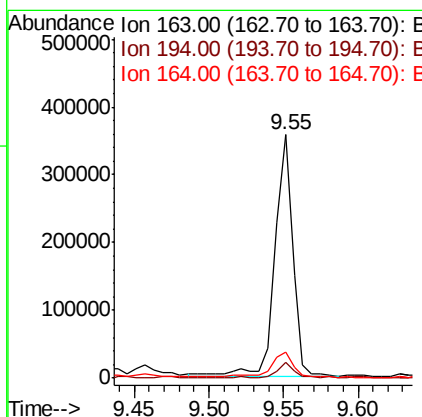
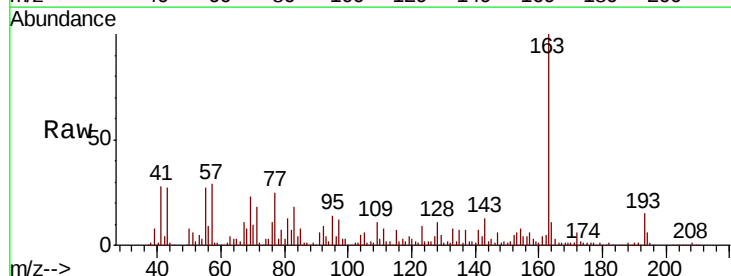
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

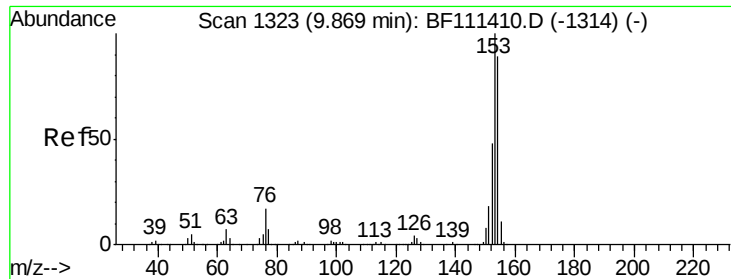
Tgt Ion:	152	Resp:	736464
Ion Ratio	Lower	Upper	
152	100		
151	23.0	18.0	27.0
153	37.0	12.3	18.5#



#50
 Dimethylphthalate
 Concen: 11.090 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion:	163	Resp:	294108
Ion Ratio	Lower	Upper	
163	100		
194	6.3	3.0	4.6#
164	10.8	8.9	13.3





#52

Acenaphthene

Concen: 174.207 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

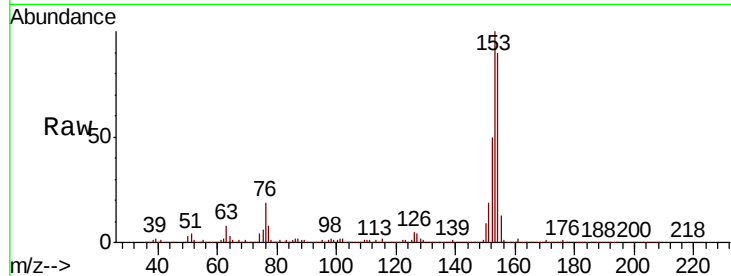
Tgt Ion:154 Resp: 3876294

Ion Ratio Lower Upper

154 100

153 111.2 87.8 131.8

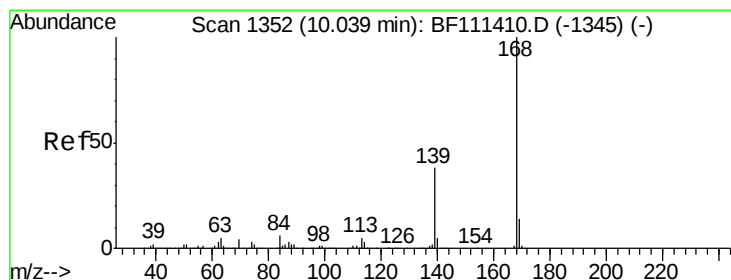
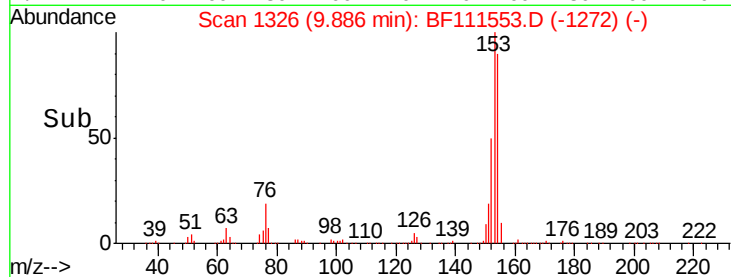
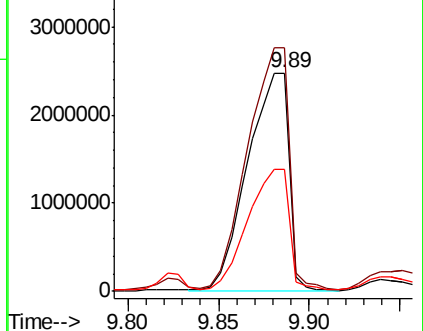
152 56.0 43.4 65.2



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: 10.225 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

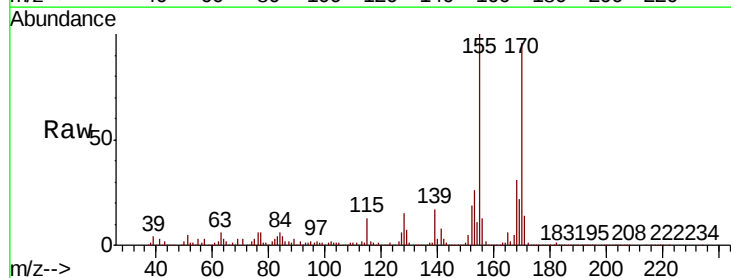
Tgt Ion:168 Resp: 330250

Ion Ratio Lower Upper

168 100

139 55.3 32.6 49.0#

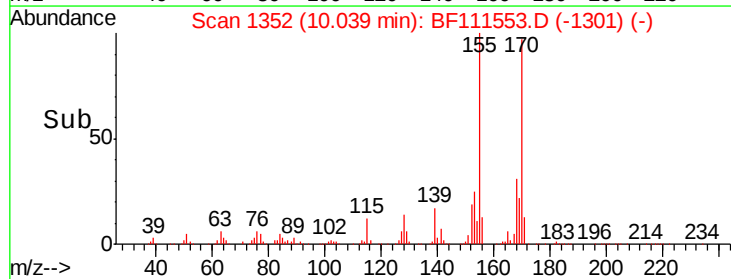
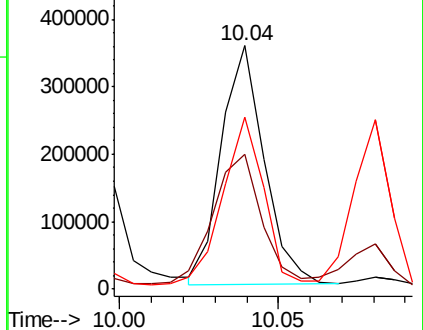
169 70.9 11.8 17.6#

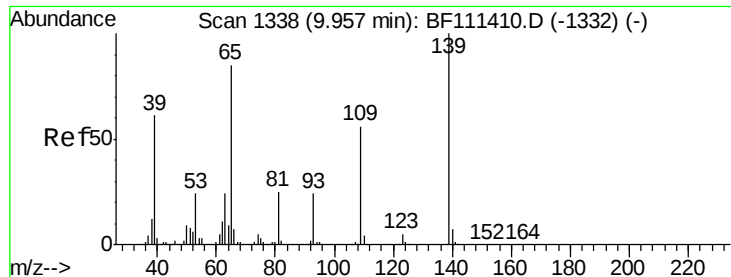


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

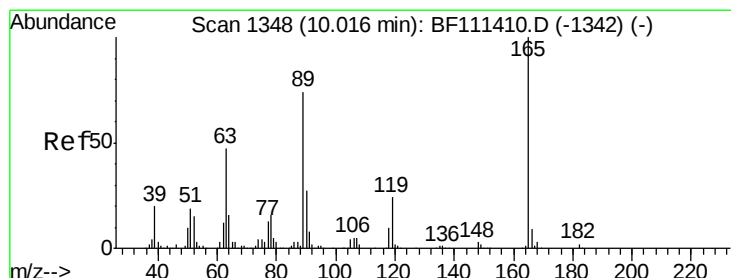
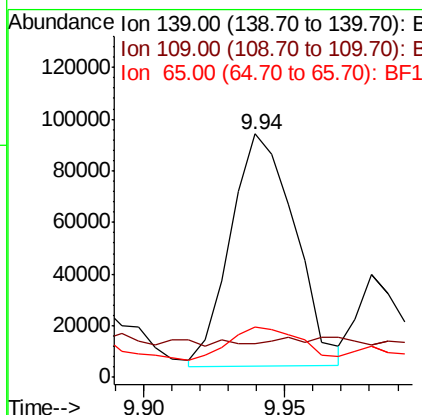
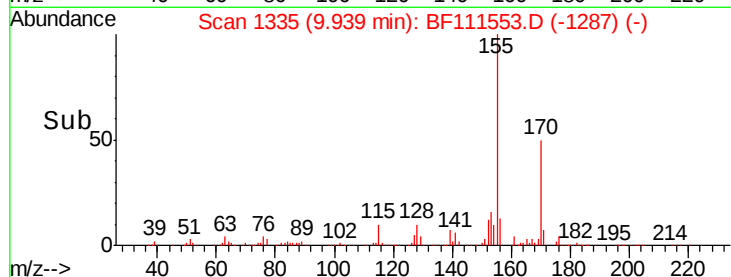
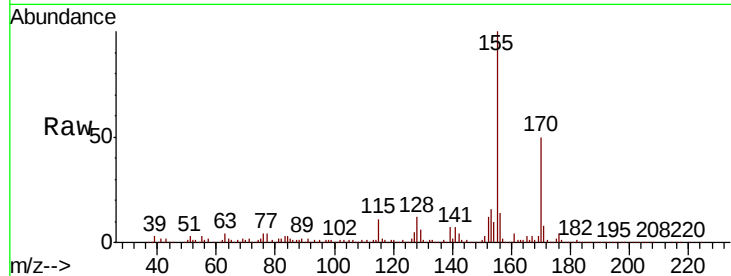




#56
4-Nitrophenol
Concen: 28.272 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

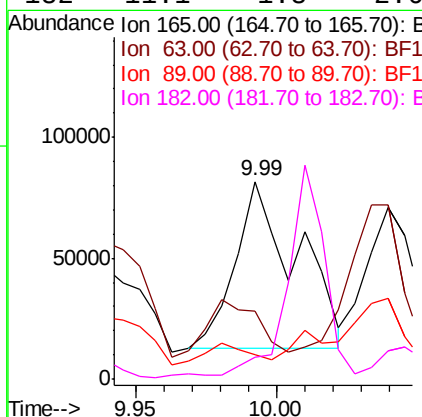
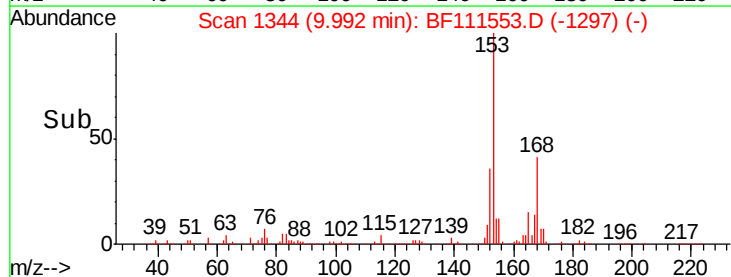
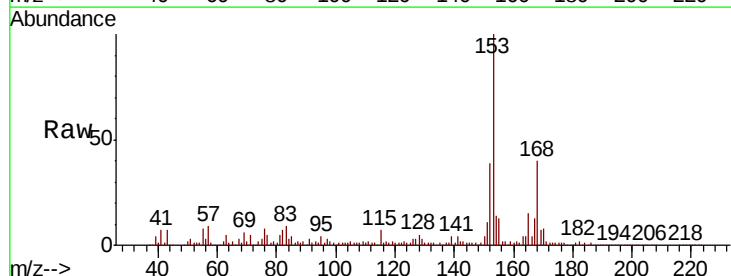
Instrument :
BNA_F
ClientSampleId :
TP-3-A

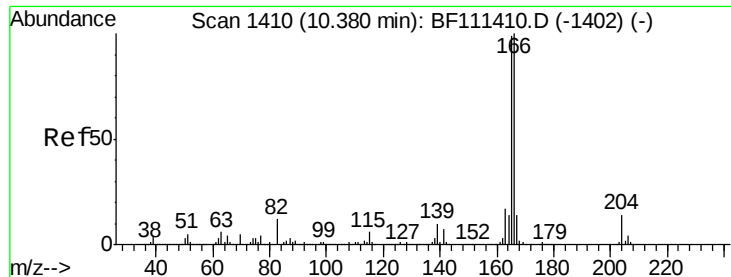
Tgt Ion:139 Resp: 141865
Ion Ratio Lower Upper
139 100
109 14.0 41.8 81.8#
65 20.6 79.6 119.6#



#57
2,4-Dinitrotoluene
Concen: 13.211 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion:165 Resp: 103506
Ion Ratio Lower Upper
165 100
63 34.4 34.6 52.0#
89 12.5 56.2 84.4#
182 11.1 1.8 2.6#

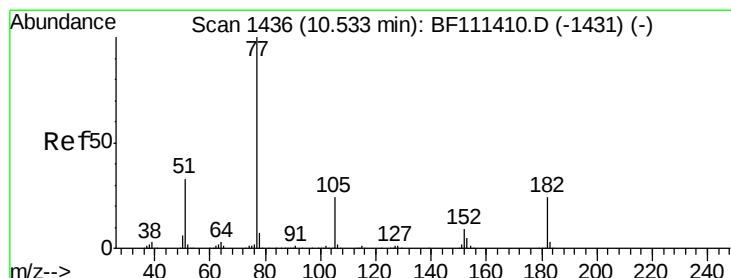
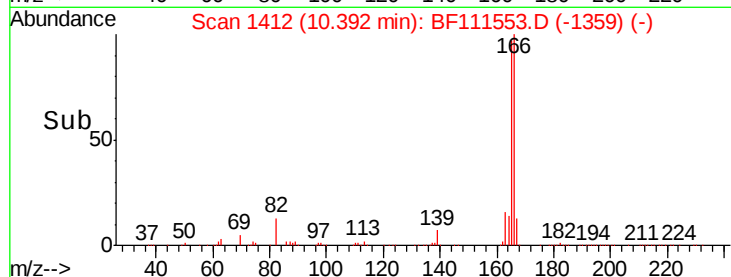
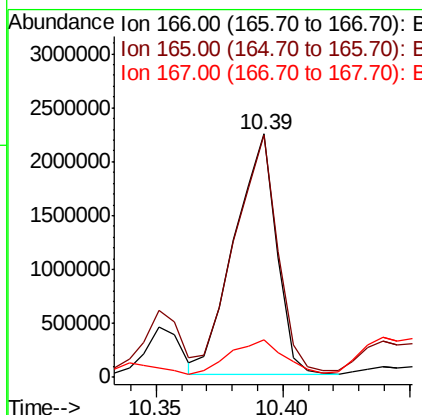
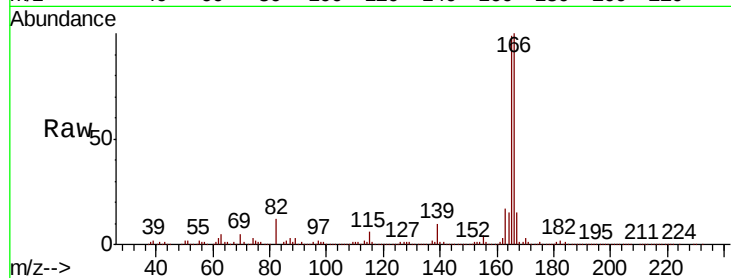




#58
 Fluorene
 Concen: 109.669 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

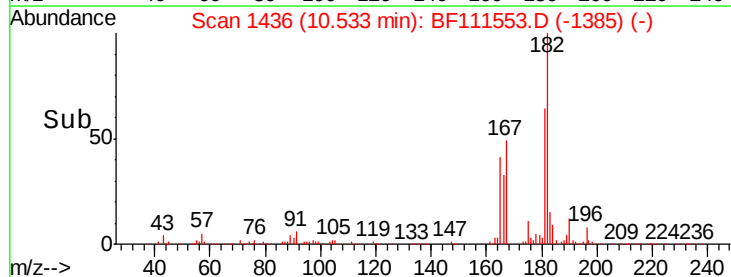
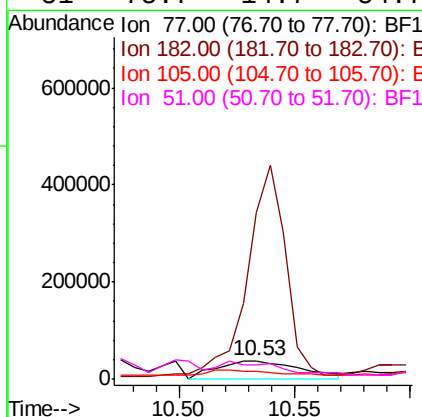
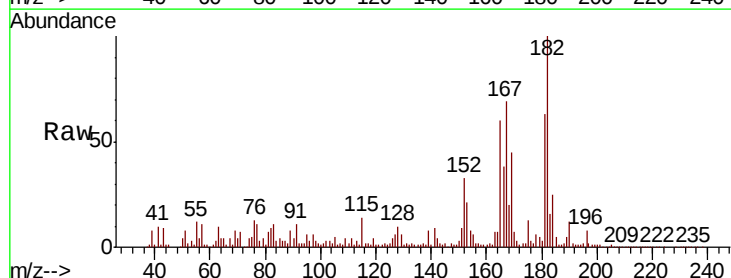
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

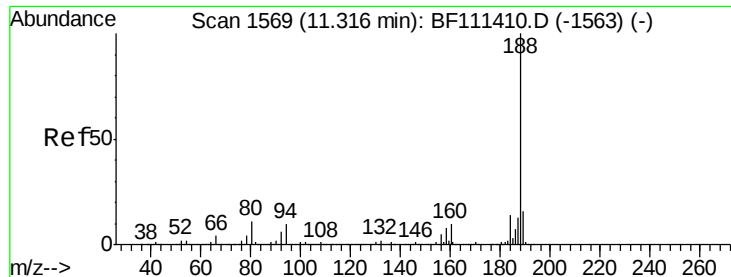
Tgt Ion: 166 Resp: 2569205
 Ion Ratio Lower Upper
 166 100
 165 99.4 78.4 117.6
 167 15.3 11.2 16.8



#63
 Azobenzene
 Concen: 3.632 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion: 77 Resp: 96190
 Ion Ratio Lower Upper
 77 100
 182 908.4 4.9 44.9#
 105 44.3 6.0 46.0
 51 75.7 14.7 54.7#

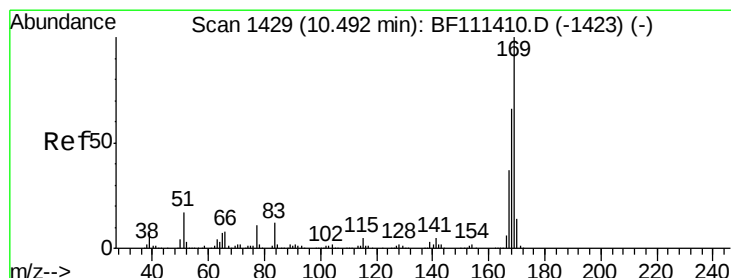
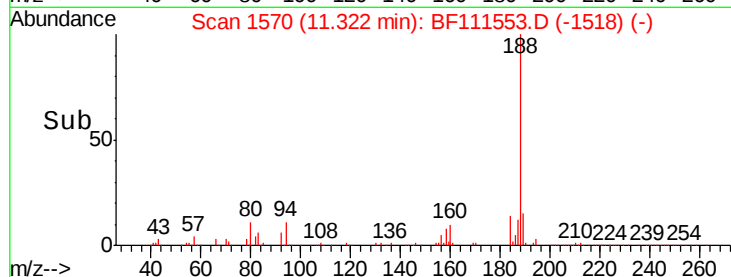
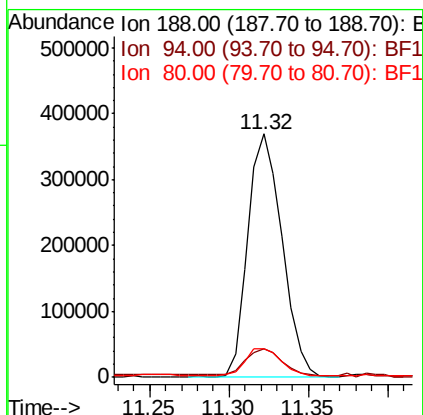
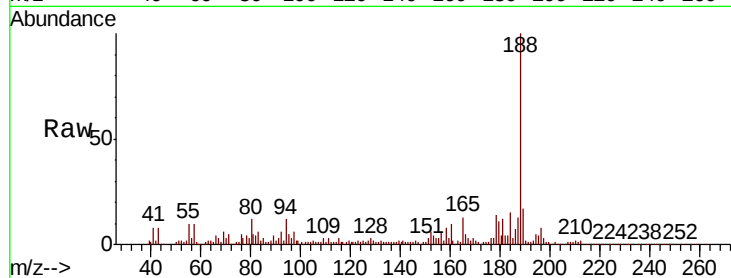




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

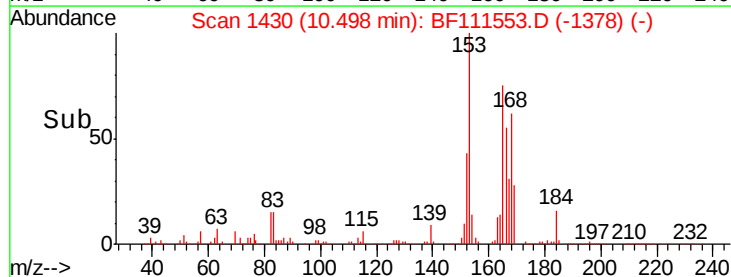
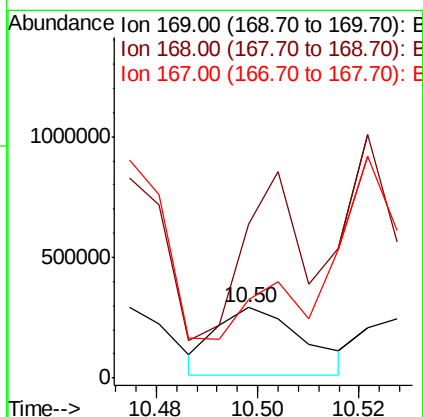
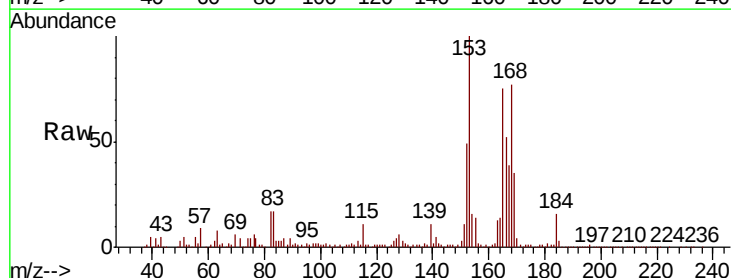
Instrument :
BNA_F
ClientSampled :
TP-3-A

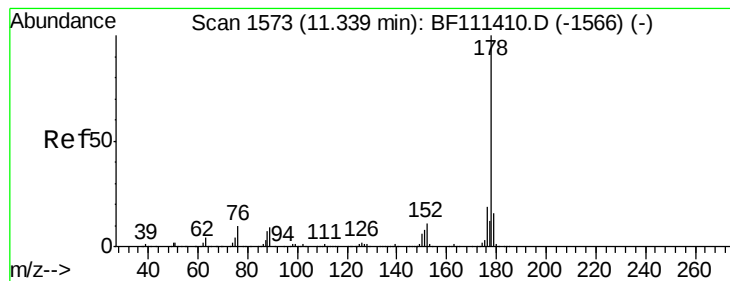
Tgt Ion:188 Resp: 551799
Ion Ratio Lower Upper
188 100
94 11.9 9.6 14.4
80 11.7 9.8 14.6



#66
n-Nitrosodiphenylamine
Concen: 17.591 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion:169 Resp: 334740
Ion Ratio Lower Upper
169 100
168 217.6 54.4 81.6#
167 110.7 30.5 45.7#





#71

Phenanthrene

Concen: 247.663 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.03 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

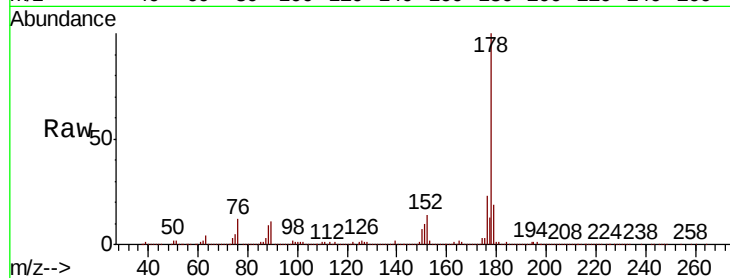
Tgt Ion:178 Resp: 7041839

Ion Ratio Lower Upper

178 100

176 22.9 18.1 27.1

179 18.8 14.0 21.0

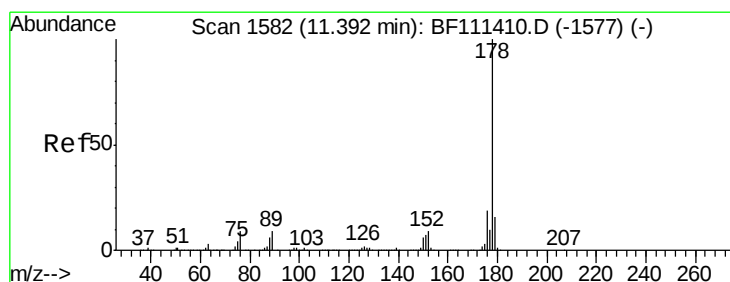
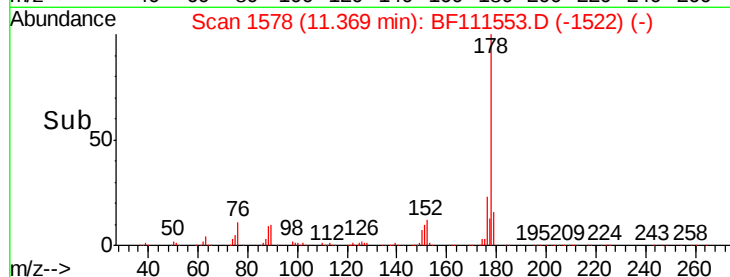
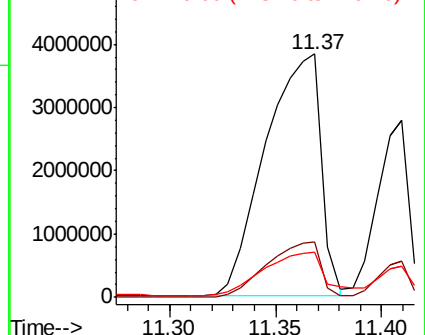


Abundance

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: 101.002 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

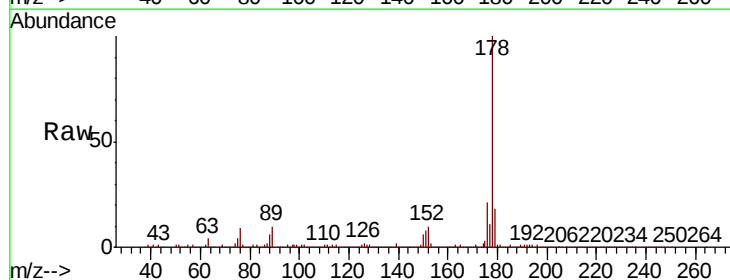
Tgt Ion:178 Resp: 2936964

Ion Ratio Lower Upper

178 100

176 20.6 17.2 25.8

179 17.8 13.8 20.8

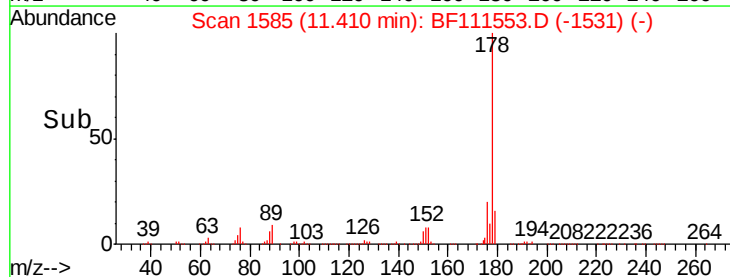
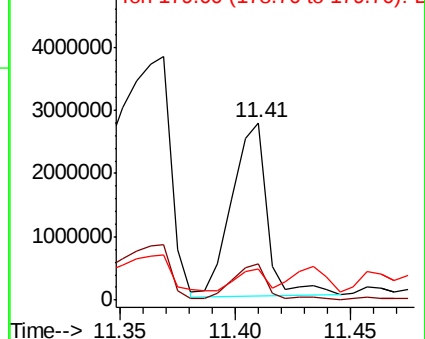


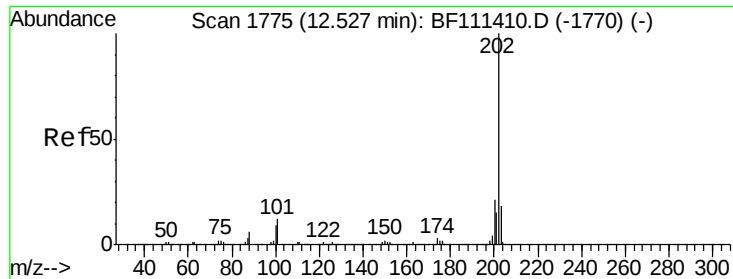
Abundance

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: 88.795 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

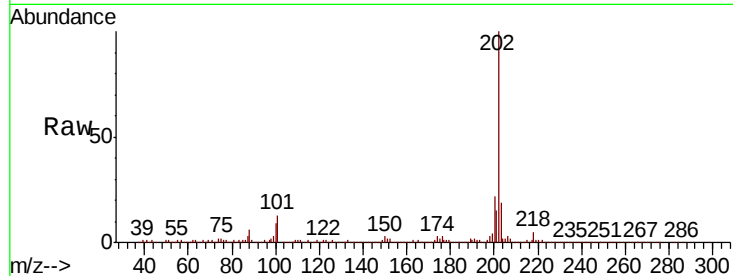
Tgt Ion:202 Resp: 2469929

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.8

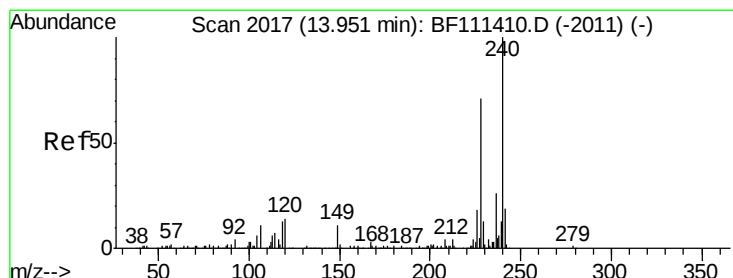
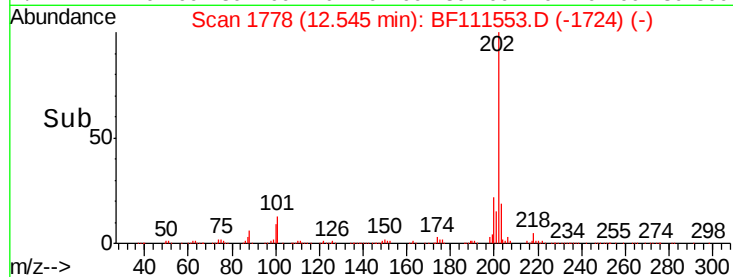
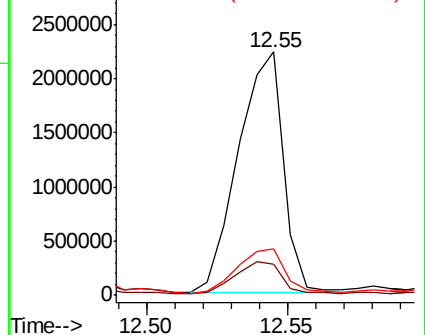
203 19.1 0.0 38.6



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: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

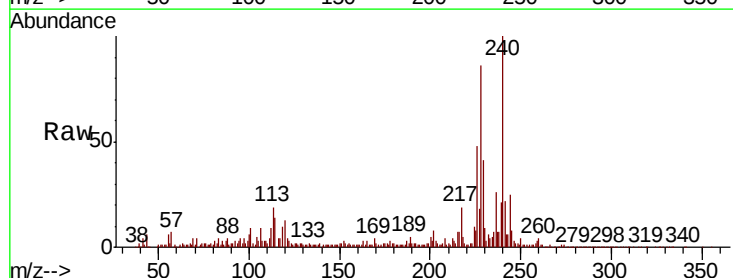
Tgt Ion:240 Resp: 330428

Ion Ratio Lower Upper

240 100

120 13.3 12.2 18.2

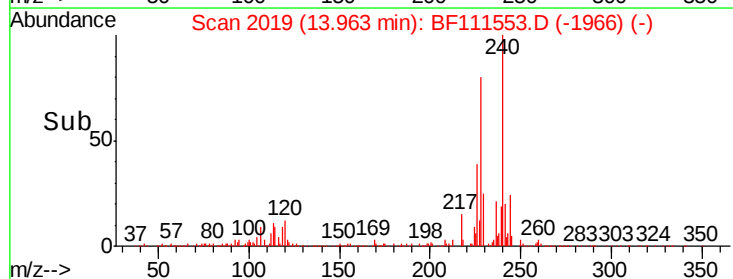
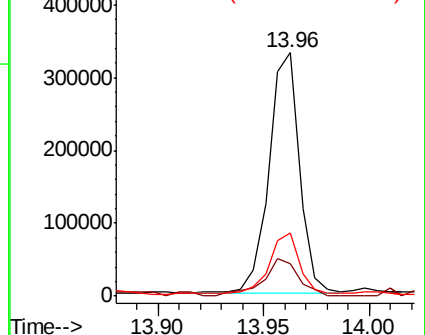
236 26.1 20.2 30.2

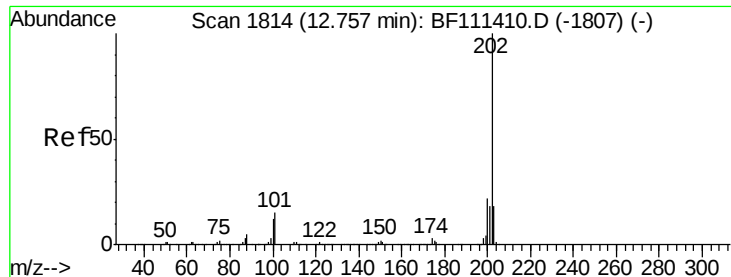


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 160.688 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

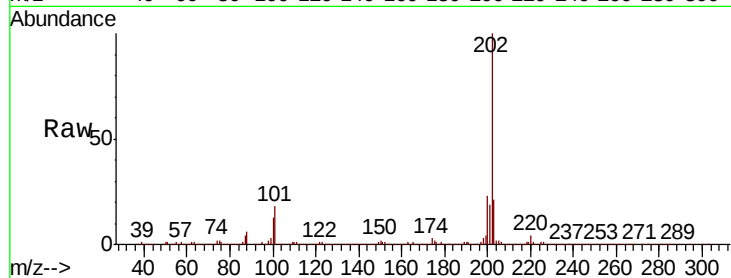
Tgt Ion:202 Resp: 3743429

Ion Ratio Lower Upper

202 100

200 23.1 19.0 28.4

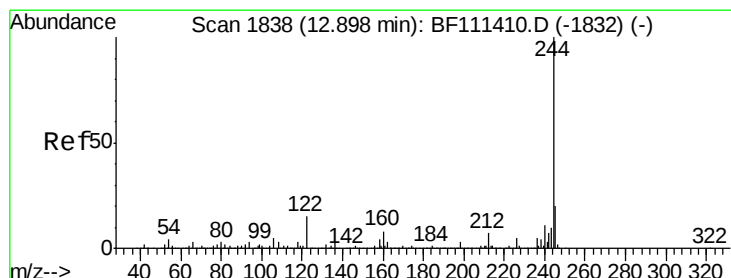
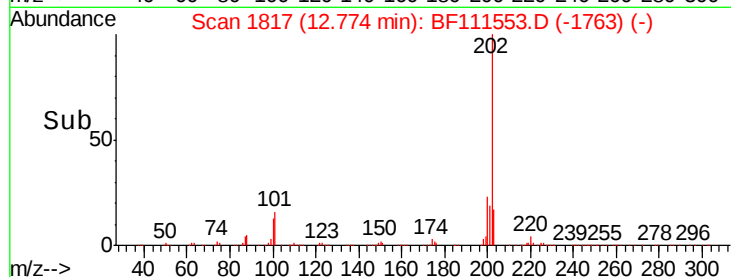
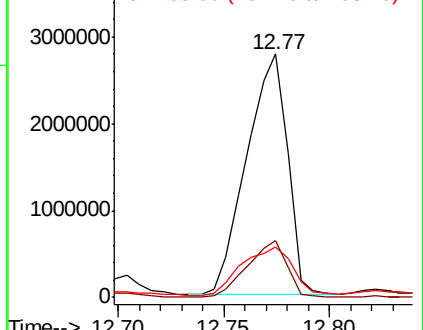
203 20.6 15.2 22.8



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: 71.797 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

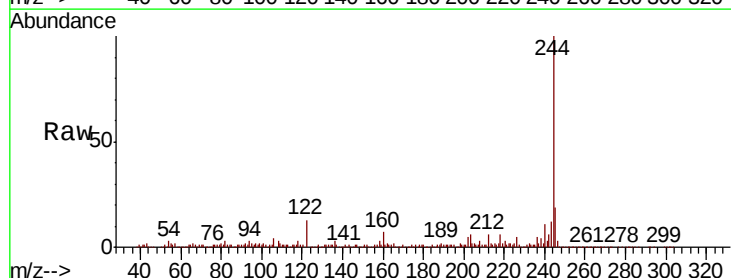
Tgt Ion:244 Resp: 1010279

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

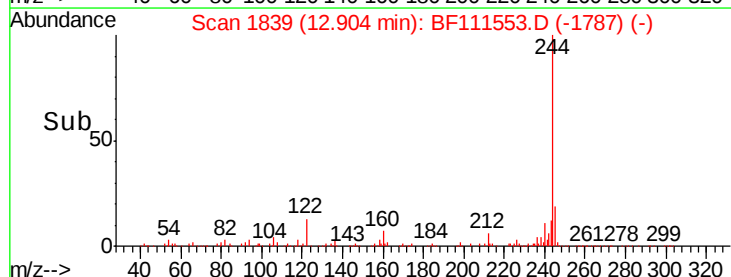
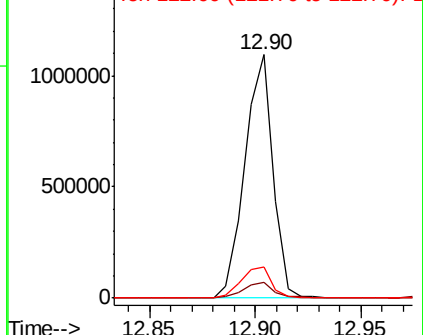
122 12.8 13.1 19.7#

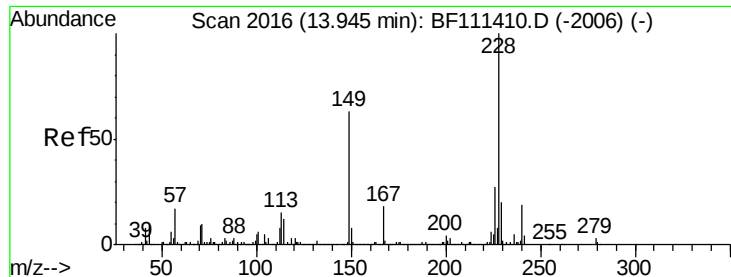


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

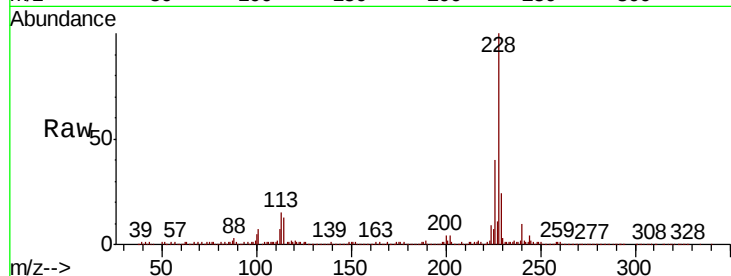




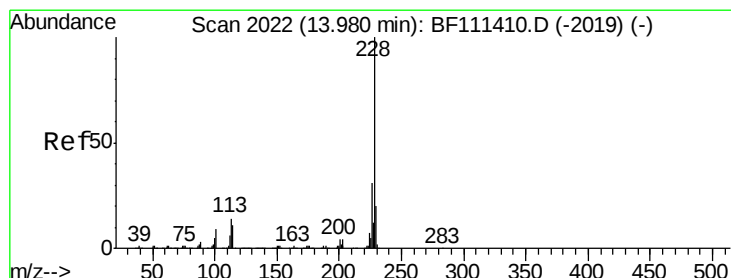
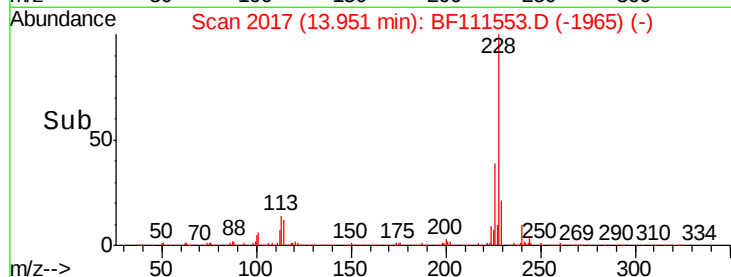
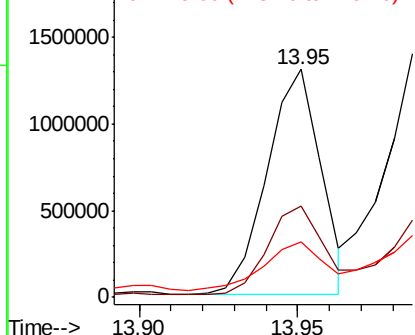
#81
Benzo(a)anthracene
Concen: 85.244 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
TP-3-A

Tgt Ion:228 Resp: 1531551
Ion Ratio Lower Upper
228 100
226 40.3 22.6 34.0#
229 24.1 16.3 24.5

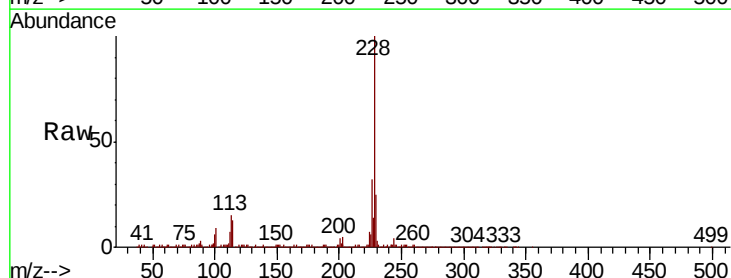


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

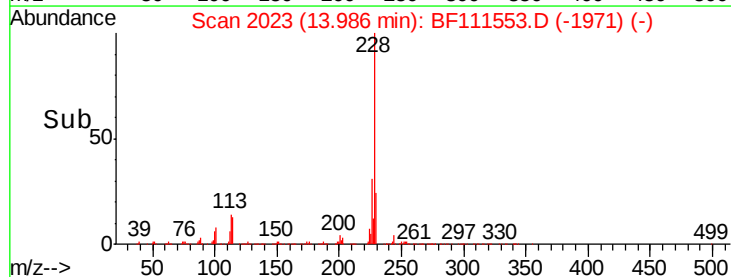
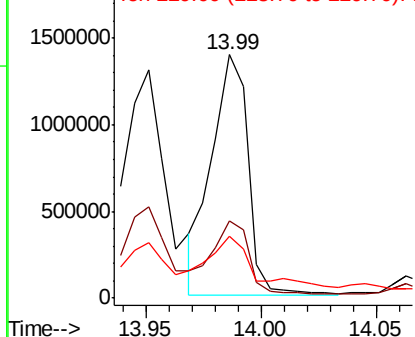


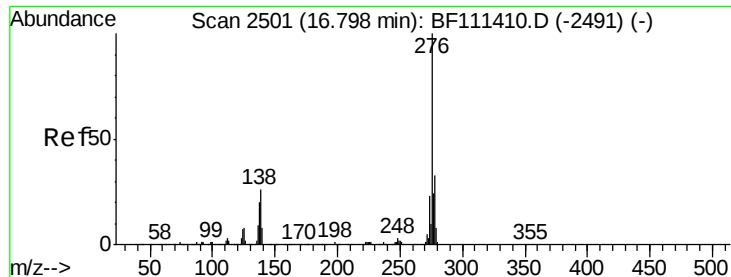
#83
Chrysene
Concen: 80.664 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion:228 Resp: 1526711
Ion Ratio Lower Upper
228 100
226 31.8 25.3 37.9
229 25.5 17.2 25.8



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

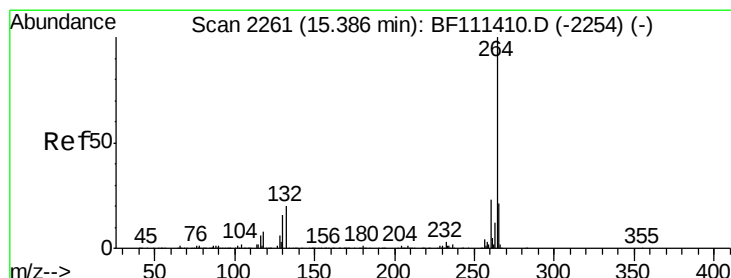
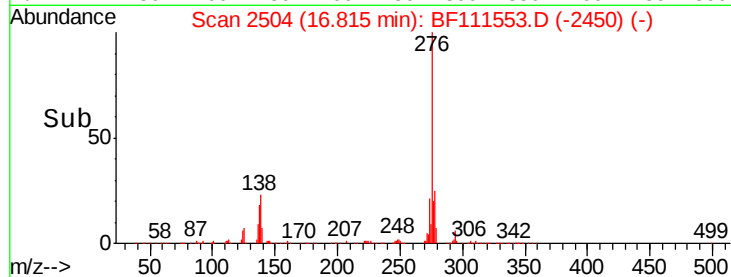
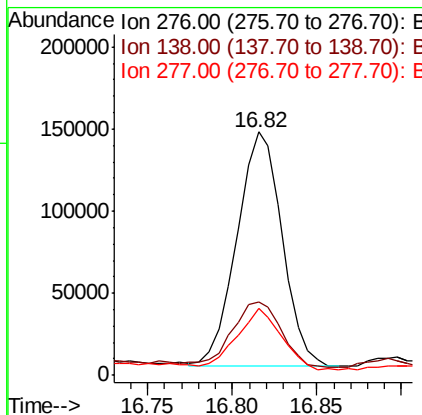
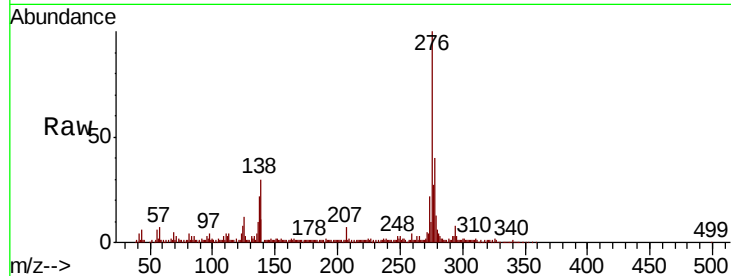




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 19.485 ng
 RT: 16.82 min Scan# 2504
 Delta R.T. 0.02 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

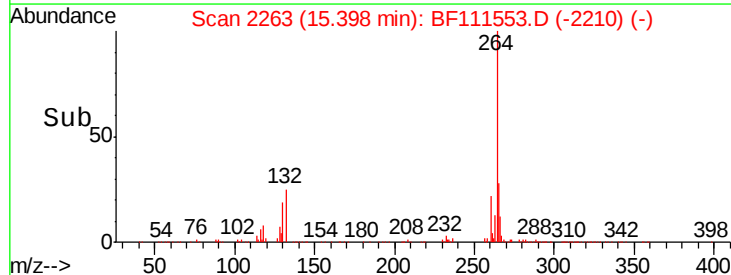
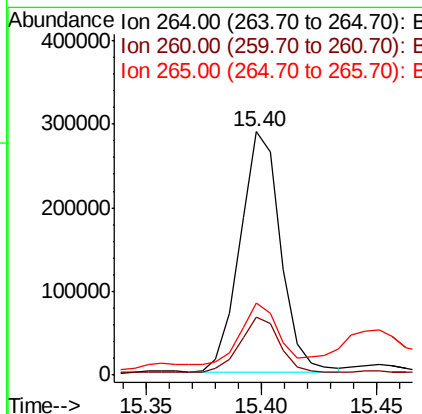
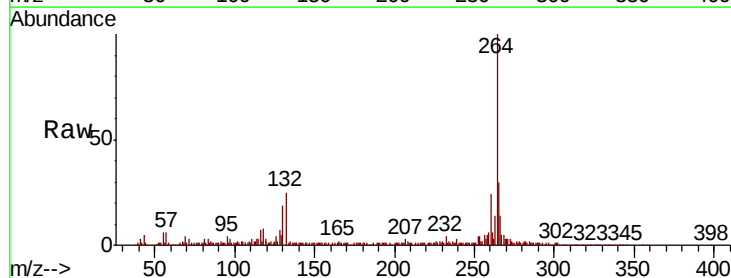
Instrument :
 BNA_F
 ClientSampleId :
 TP-3-A

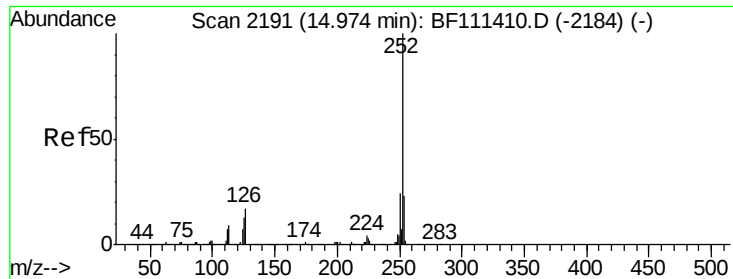
Tgt Ion:	276	Resp:	266169
Ion	Ratio	Lower	Upper
276	100		
138	30.9	27.8	41.6
277	25.9	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: BF111553.D
 Acq: 17 Dec 2018 21:49

Tgt Ion:	264	Resp:	352422
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	29.7	17.7	26.5#

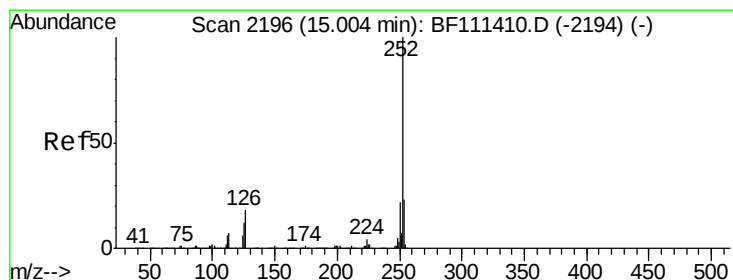
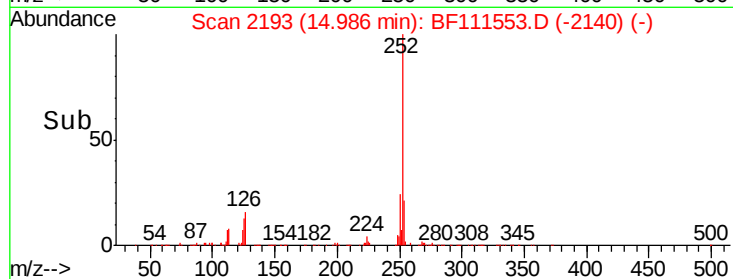
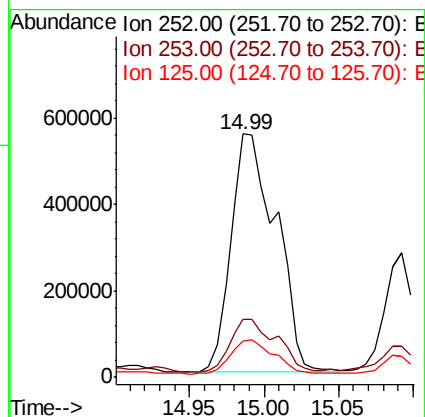
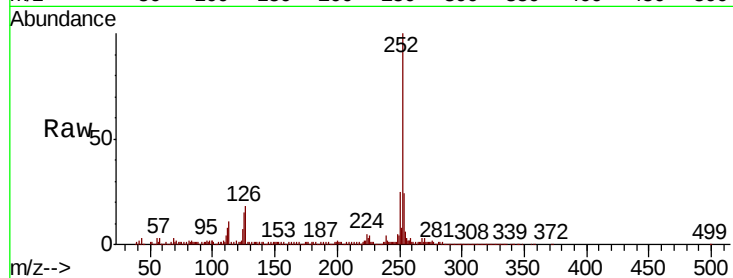




#88
Benzo(b)fluoranthene
Concen: 56.268 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

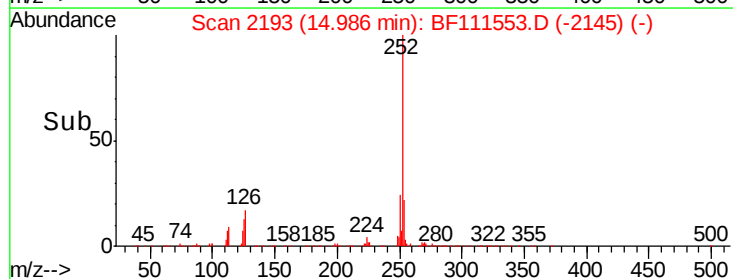
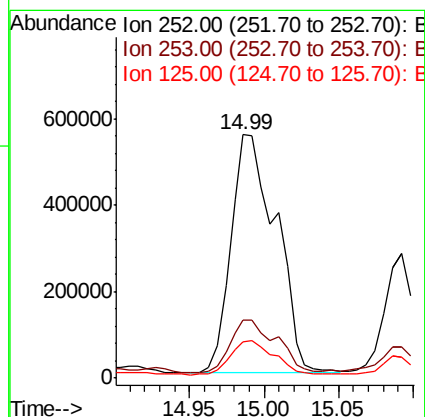
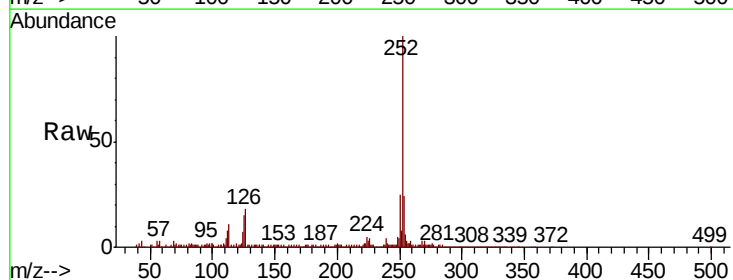
Instrument :
BNA_F
ClientSampleId :
TP-3-A

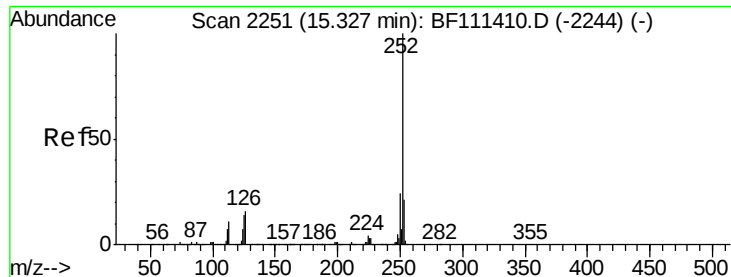
Tgt Ion:252 Resp: 1156118
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 14.8 10.4 15.6



#89
Benzo(k)fluoranthene
Concen: 58.887 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF111553.D
Acq: 17 Dec 2018 21:49

Tgt Ion:252 Resp: 1156118
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 14.8 9.8 14.8#





#90

Benzo(a)pyrene

Concen: 55.671 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

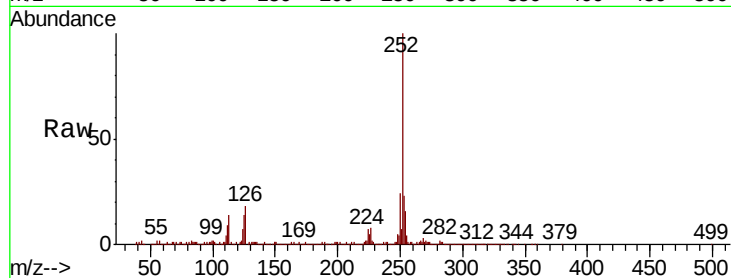
Tgt Ion:252 Resp: 1031495

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

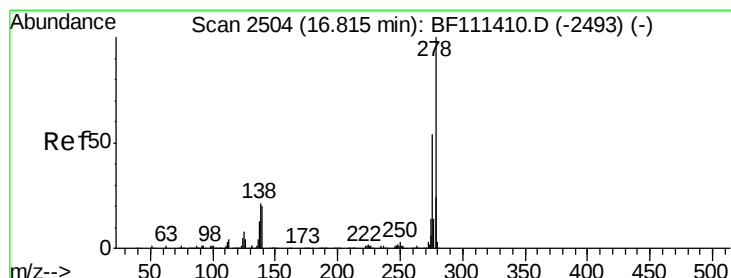
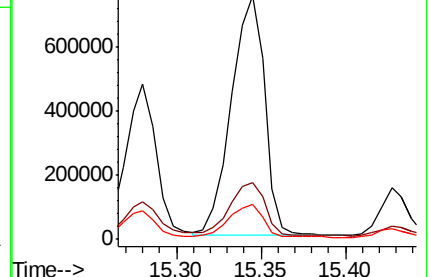
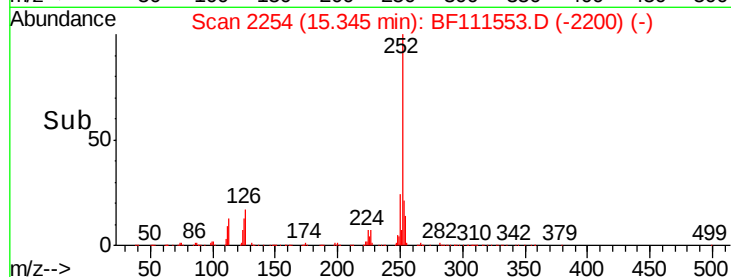
125 14.3 12.3 18.5



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



#91

Dibenzo(a,h)anthracene

Concen: 8.058 ng

RT: 16.82 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

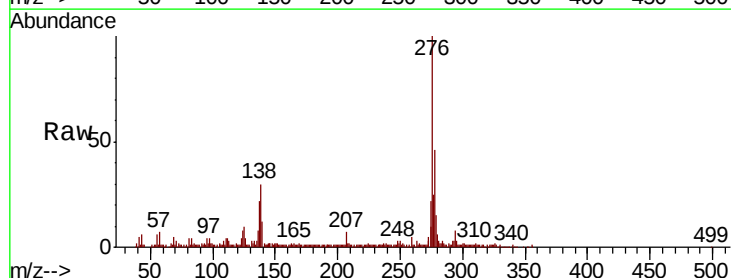
Tgt Ion:278 Resp: 117766

Ion Ratio Lower Upper

278 100

139 25.3 18.2 27.4

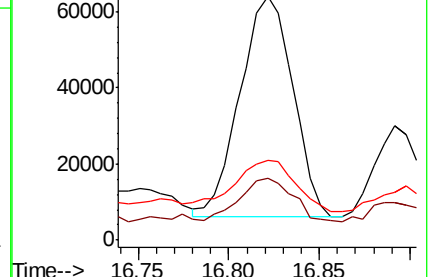
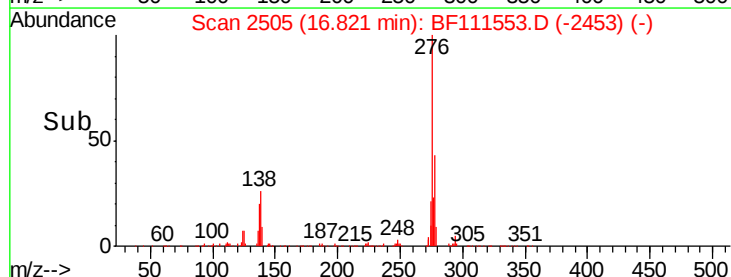
279 32.5 19.0 28.6#

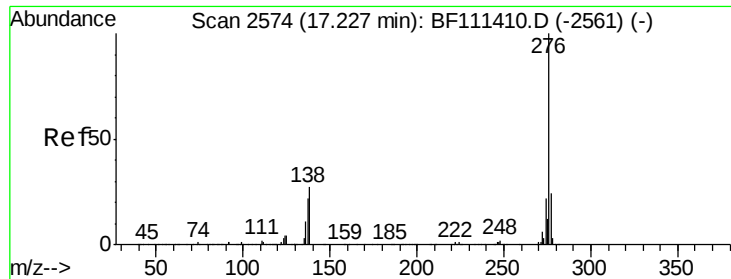


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 18.352 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.02 min

Lab File: BF111553.D

Acq: 17 Dec 2018 21:49

Instrument :

BNA_F

ClientSampleId :

TP-3-A

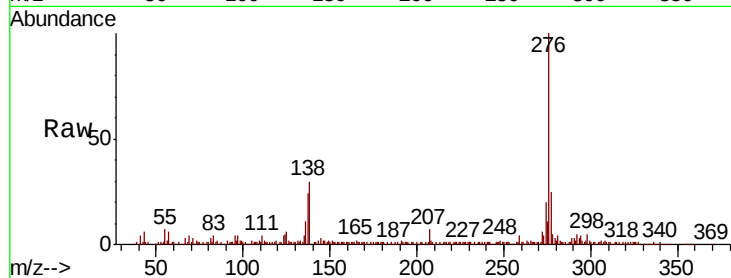
Tgt Ion: 276 Resp: 263283

Ion Ratio Lower Upper

276 100

277 25.4 19.2 28.8

138 29.7 24.9 37.3



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

