

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112318\
 Data File : BF110947.D
 Acq On : 23 Nov 2018 16:40
 Operator : JU/SJ
 Sample : J5999-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-1

Quant Time: Nov 23 20:06:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	58512	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	239138	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	103223	20.00	ng	-0.02
64) Phenanthrene-d10	11.47	188	165404	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	138117	20.00	ng	-0.01
87) Perylene-d12	15.66	264	126677	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	354126	98.31	ng	0.00
7) Phenol-d6	6.56	99	447089	97.06	ng	-0.01
23) Nitrobenzene-d5	7.50	82	280716	67.60	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	81546	78.40	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	356430	49.32	ng	-0.02
79) Terphenyl-d14	13.05	244	280603	38.05	ng	-0.02

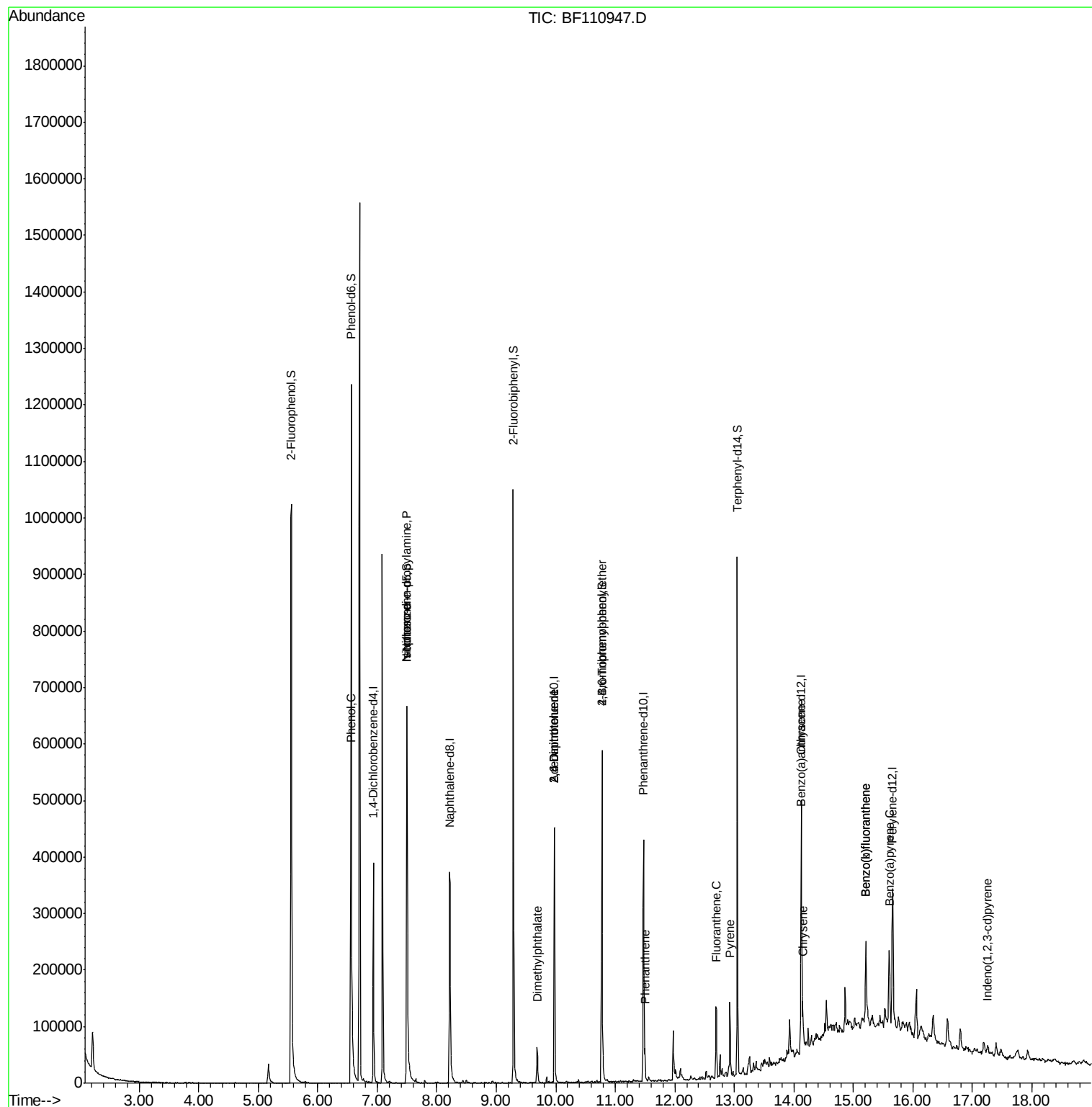
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	907	Below Cal	#	1
10) Phenol	6.57	94	23198	4.343 ng	#	74
19) n-Nitroso-di-n-propylamine	7.50	70	37271	12.675 ng	#	84
25) Isophorone	7.50	82	280716	41.246 ng	#	67
50) Dimethylphthalate	9.69	163	31259	4.058 ng		96
51) 2,6-Dinitrotoluene	9.97	165	12930	7.631 ng	#	21
57) 2,4-Dinitrotoluene	9.97	165	12930	5.869 ng	#	17
67) 4-Bromophenyl-phenylether	10.77	248	5121	2.801 ng	#	1
71) Phenanthrene	11.50	178	21370	2.412 ng		98
75) Fluoranthene	12.70	202	56503	6.360 ng		96
78) Pyrene	12.93	202	51544	4.847 ng		98
81) Benzo(a)anthracene	14.12	228	31545	3.821 ng		98
83) Chrysene	14.15	228	30138	3.832 ng		99
86) Indeno(1,2,3-cd)pyrene	17.26	276	11940	2.116 ng	#	88
88) Benzo(b)fluoranthene	15.20	252	47520	6.271 ng	#	93
89) Benzo(k)fluoranthene	15.20	252	47520	6.346 ng	#	92
90) Benzo(a)pyrene	15.60	252	26055	3.784 ng	#	94

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

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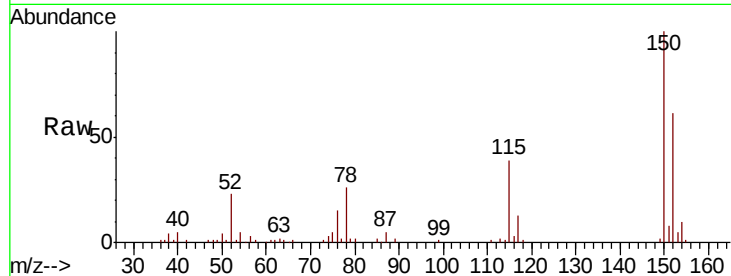


#1

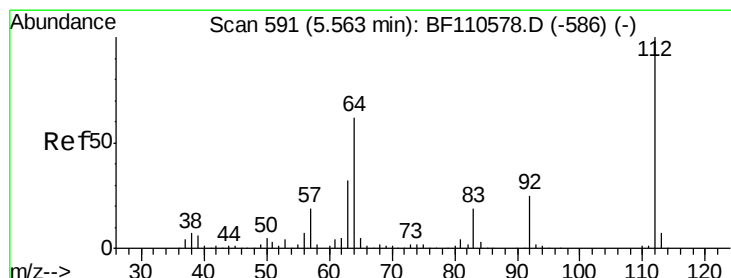
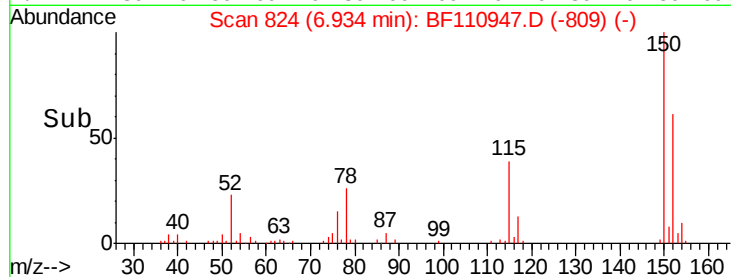
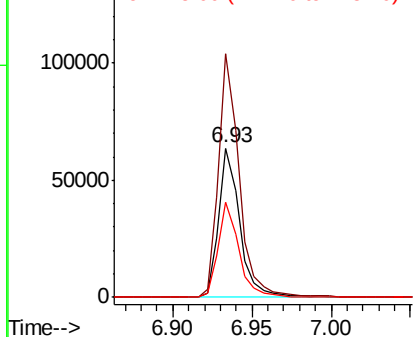
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF110947.D
 Acq: 23 Nov 2018 16:40

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-1

Tgt Ion:152 Resp: 58512
 Ion Ratio Lower Upper
 152 100
 150 162.8 122.7 184.1
 115 63.9 49.1 73.7



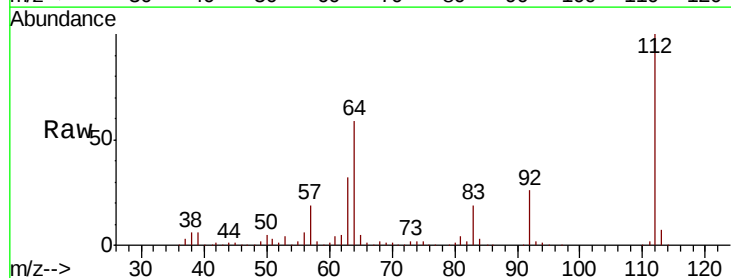
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



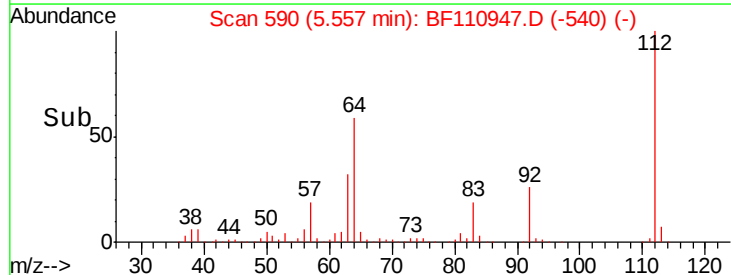
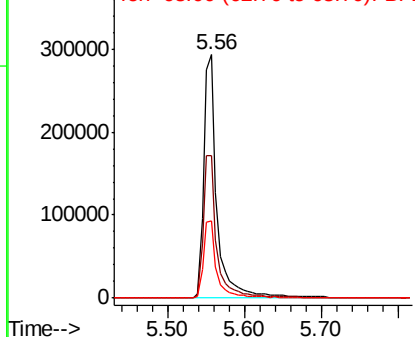
#5

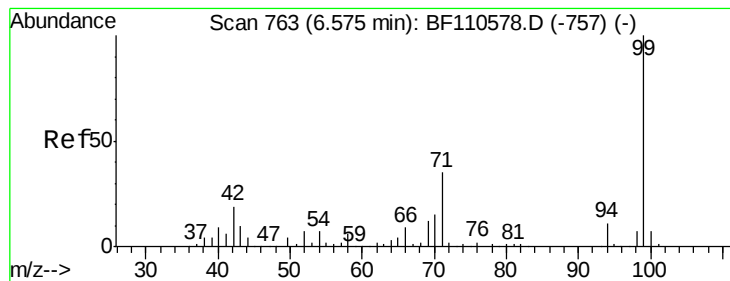
2-Fluorophenol
 Concen: 98.307 ng
 RT: 5.56 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF110947.D
 Acq: 23 Nov 2018 16:40

Tgt Ion:112 Resp: 354126
 Ion Ratio Lower Upper
 112 100
 64 58.6 44.1 66.1
 63 31.7 23.7 35.5



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: 97.058 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110947.D

Acq: 23 Nov 2018 16:40

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-1

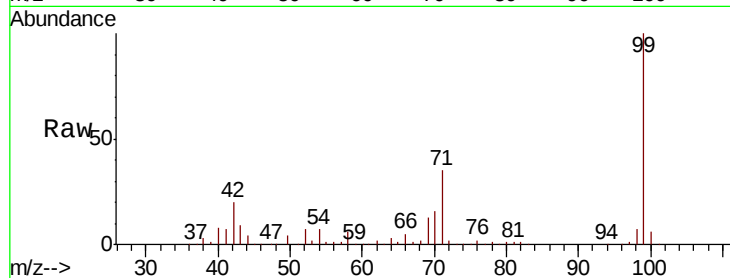
Tgt Ion: 99 Resp: 447089

Ion Ratio Lower Upper

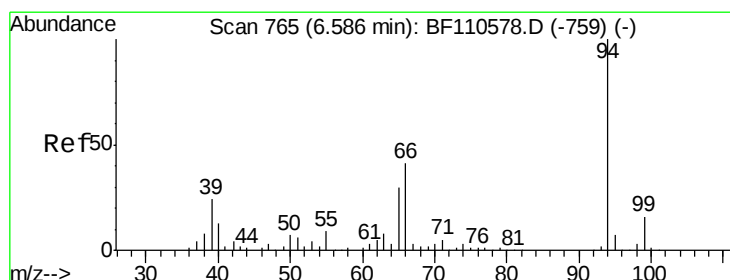
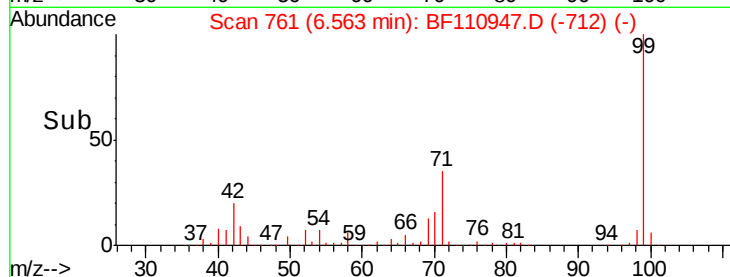
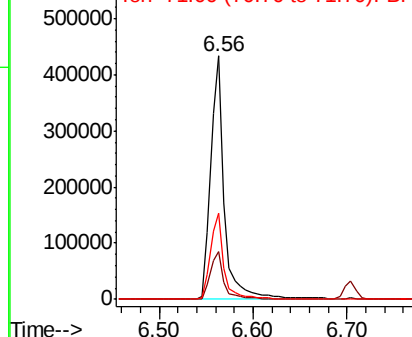
99 100

42 19.5 15.8 23.6

71 35.4 28.0 42.0



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: 4.343 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110947.D

Acq: 23 Nov 2018 16:40

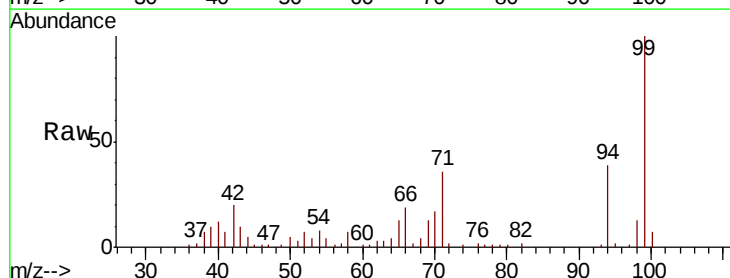
Tgt Ion: 94 Resp: 23198

Ion Ratio Lower Upper

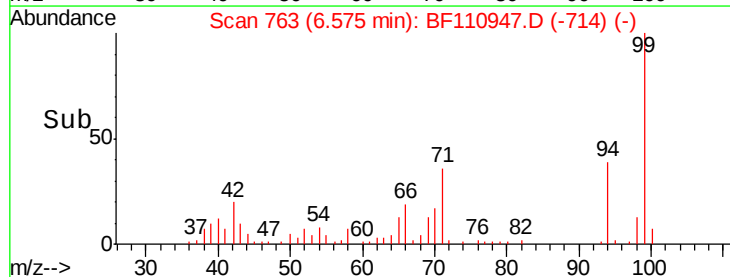
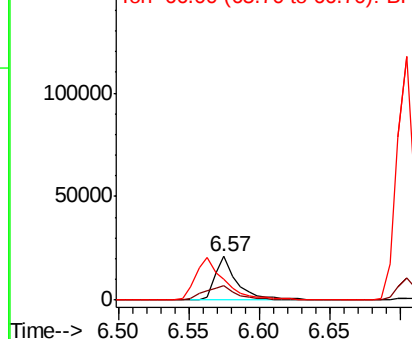
94 100

65 32.8 25.3 65.3

66 48.4 54.5 94.5#



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

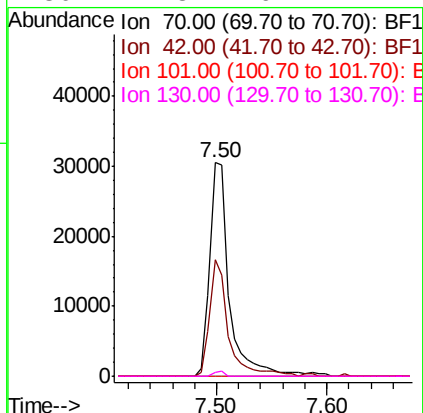
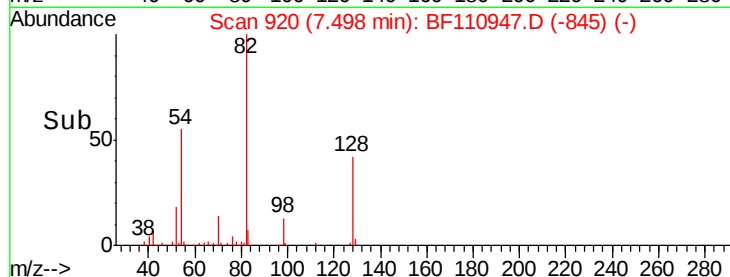
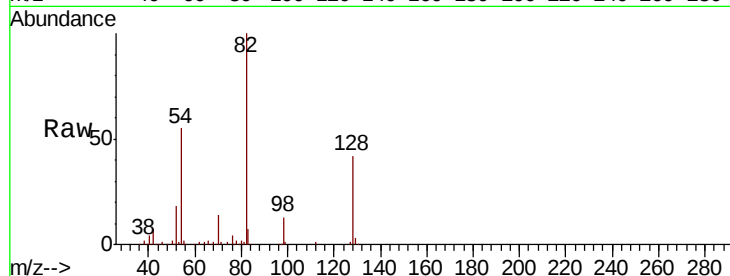




#19
n-Nitroso-di-n-propylamine
Concen: 12.675 ng
RT: 7.50 min Scan# 920
Delta R.T. 0.14 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

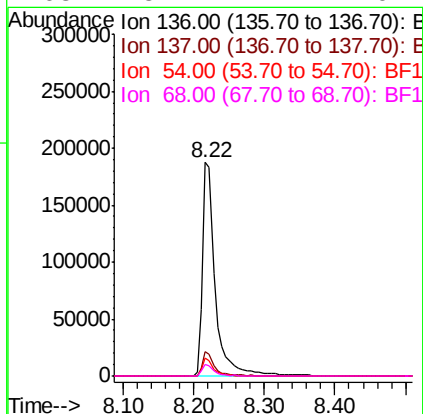
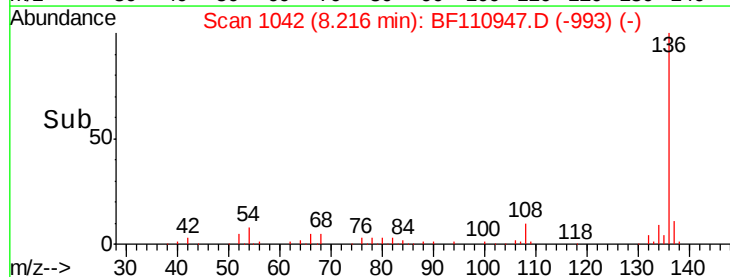
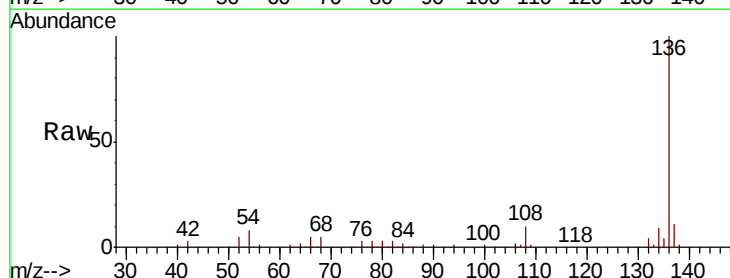
Instrument :
BNA_F
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SSSI-1115-S-AB-1

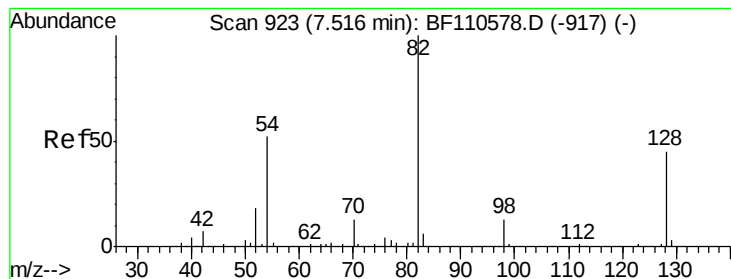
Tgt Ion: 70 Resp: 37271
Ion Ratio Lower Upper
70 100
42 54.5 47.4 71.2
101 0.0 7.3 10.9#
130 1.8 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Tgt Ion: 136 Resp: 239138
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.4 5.4 8.2#
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 67.602 ng

RT: 7.50 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF110947.D

Acq: 23 Nov 2018 16:40

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-1

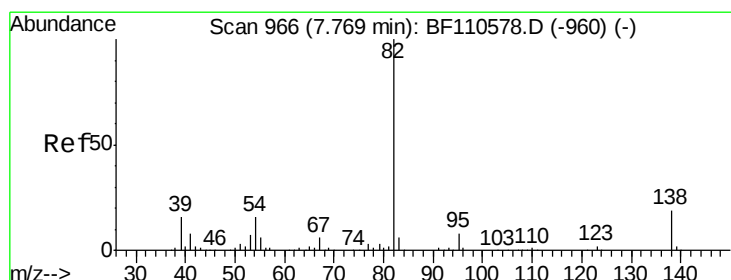
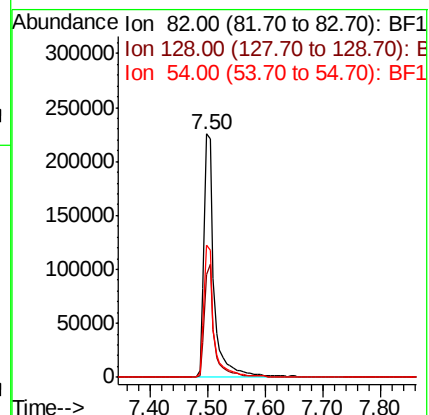
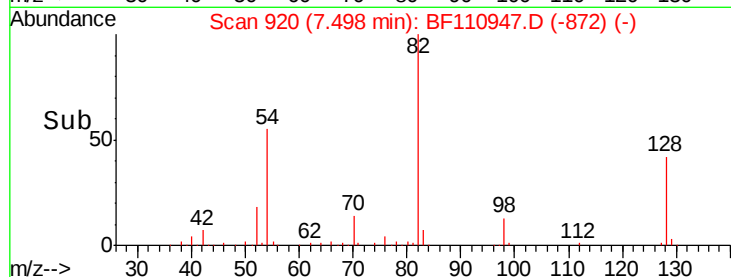
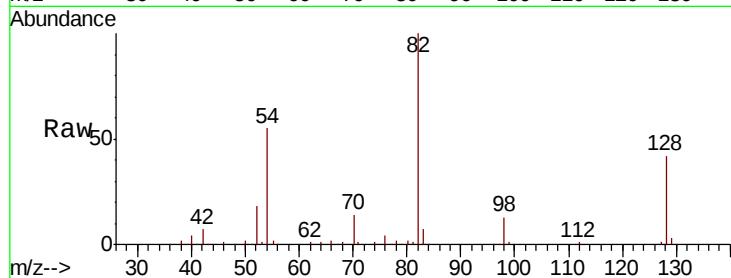
Tgt Ion: 82 Resp: 280716

Ion Ratio Lower Upper

82 100

128 42.4 34.2 51.2

54 54.5 38.6 58.0



#25

Isophorone

Concen: 41.246 ng

RT: 7.50 min Scan# 920

Delta R.T. -0.27 min

Lab File: BF110947.D

Acq: 23 Nov 2018 16:40

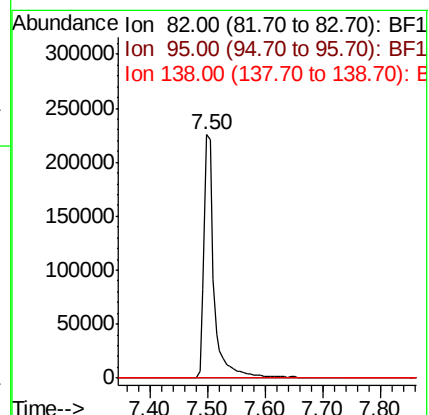
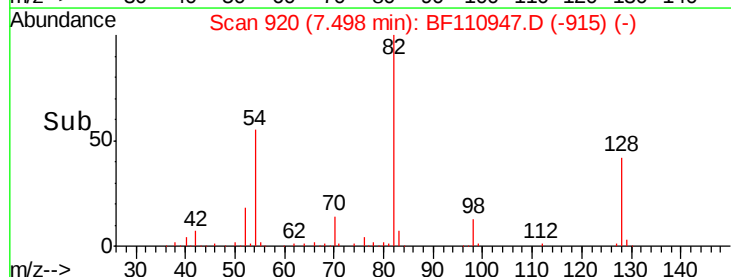
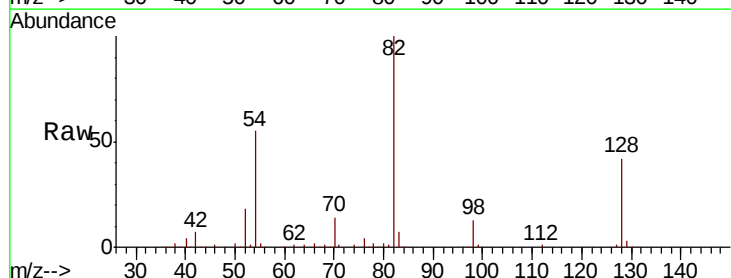
Tgt Ion: 82 Resp: 280716

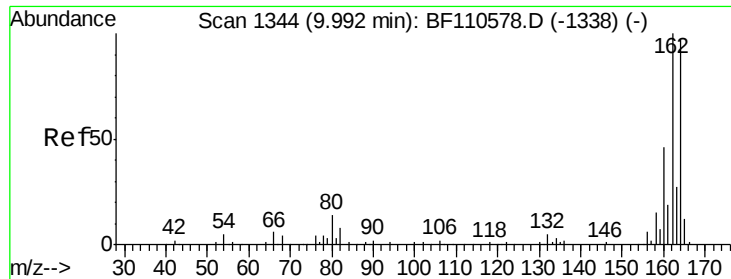
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#

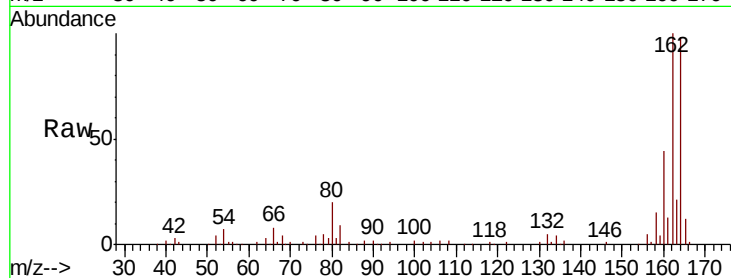




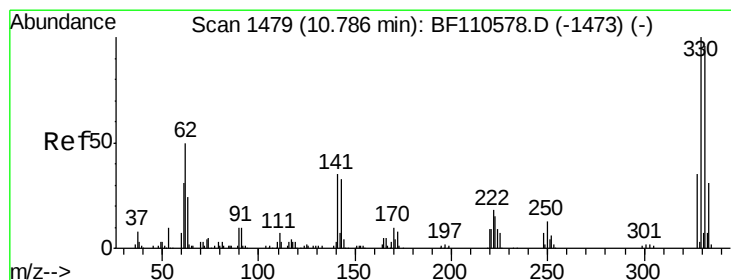
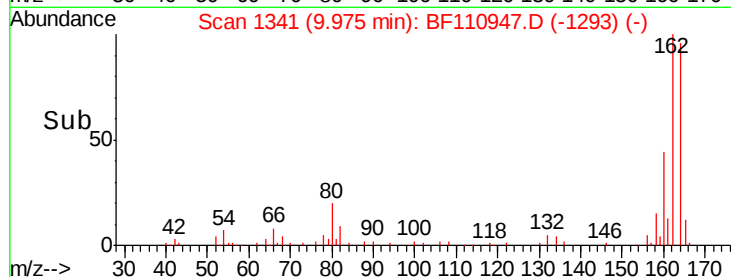
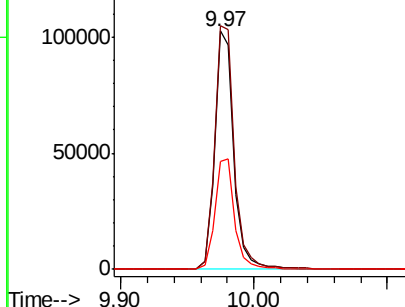
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-1

Tgt Ion:164 Resp: 103223
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.6
160 45.4 37.0 55.6

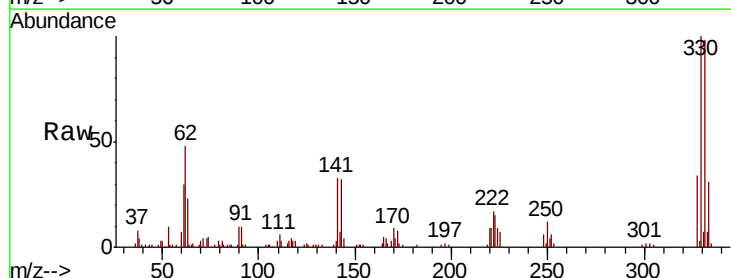


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

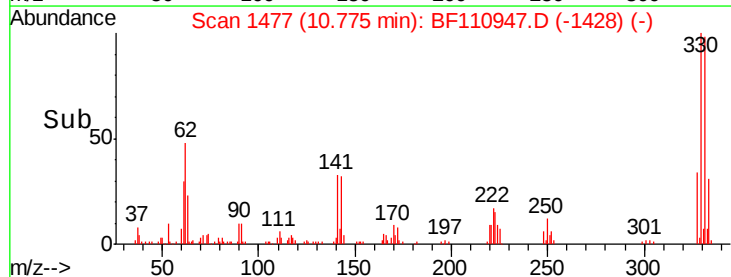
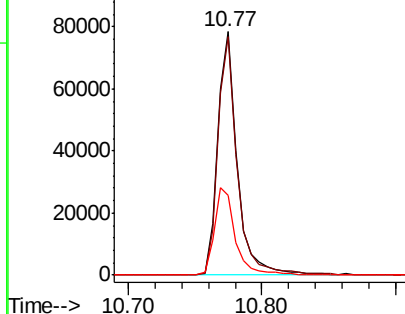


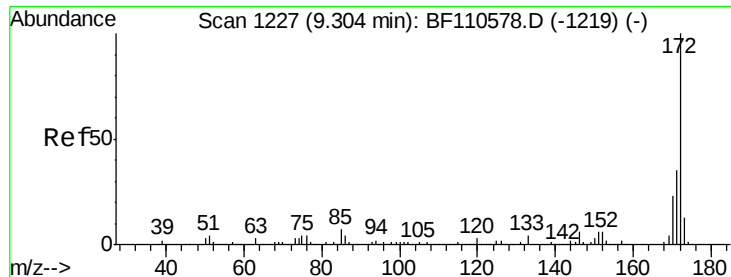
#42
2,4,6-Tribromophenol
Concen: 78.402 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Tgt Ion:330 Resp: 81546
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 38.2 27.0 40.4



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

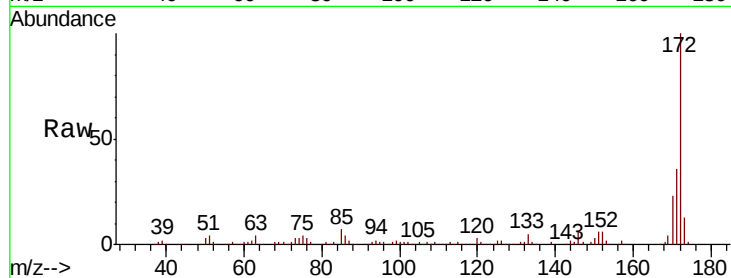




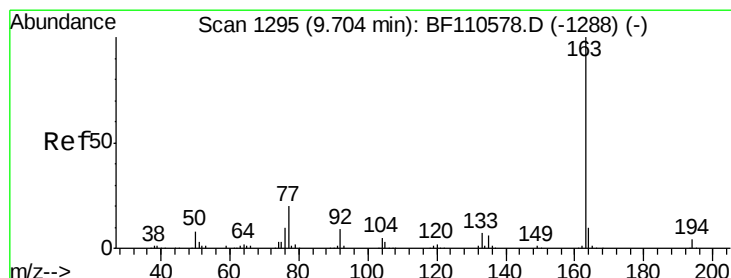
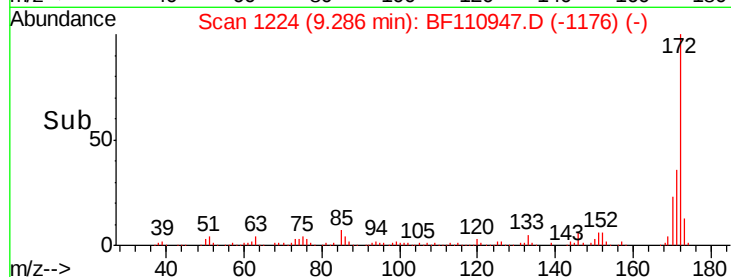
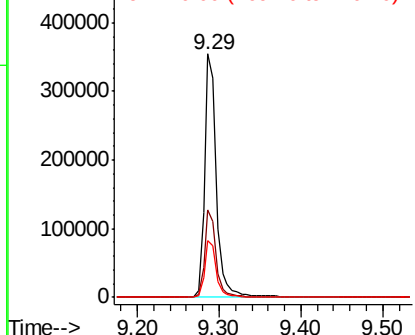
#45
2-Fluorobiphenyl
Concen: 49.315 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.02 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Instrument :
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SSSI-1115-S-AB-1

Tgt Ion:172 Resp: 356430
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.4 19.7 29.5

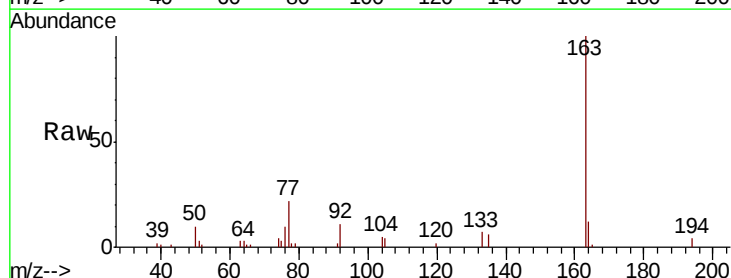


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

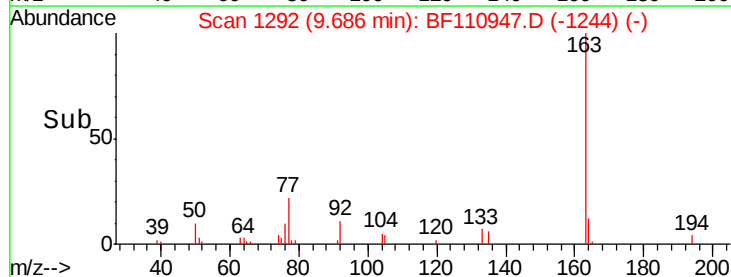
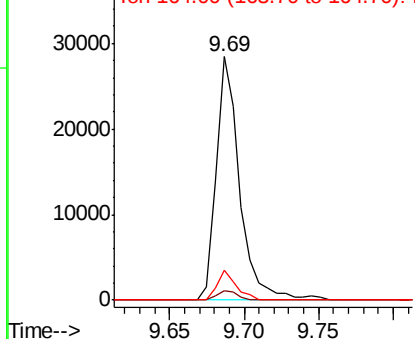


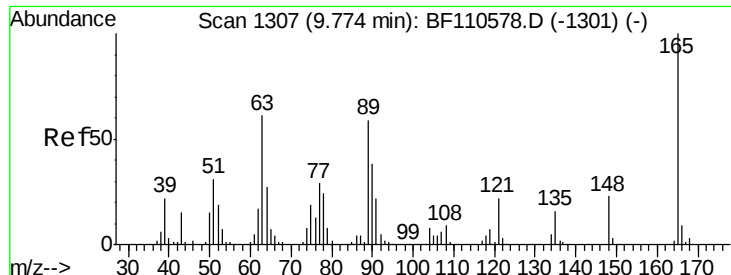
#50
Dimethylphthalate
Concen: 4.058 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Tgt Ion:163 Resp: 31259
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 12.1 8.1 12.1



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

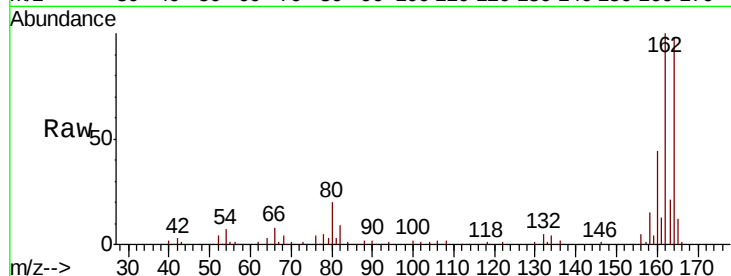




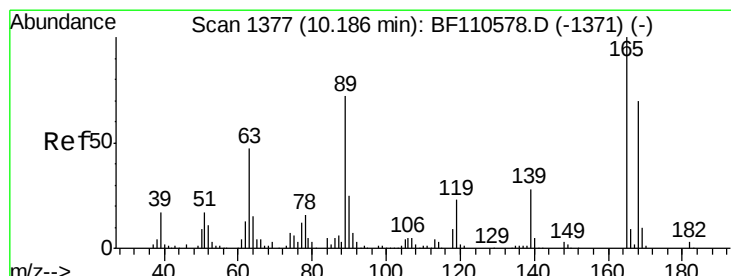
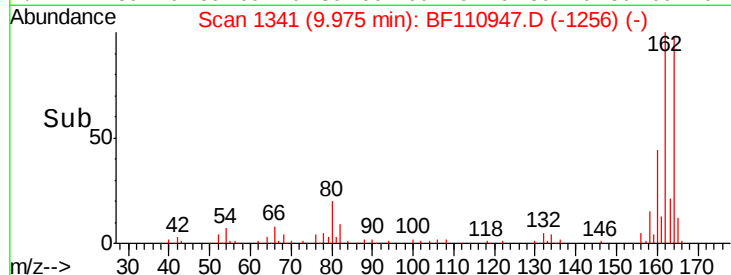
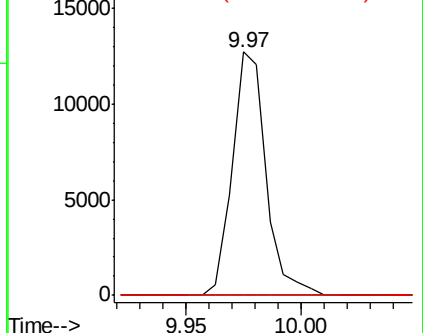
#51
 2,6-Dinitrotoluene
 Concen: 7.631 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.20 min
 Lab File: BF110947.D
 Acq: 23 Nov 2018 16:40

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



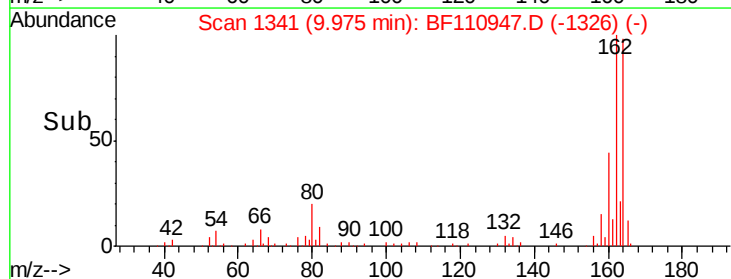
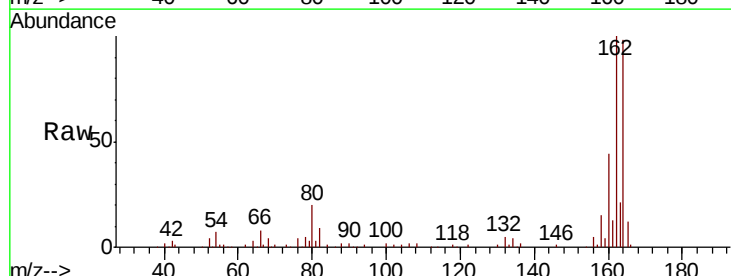
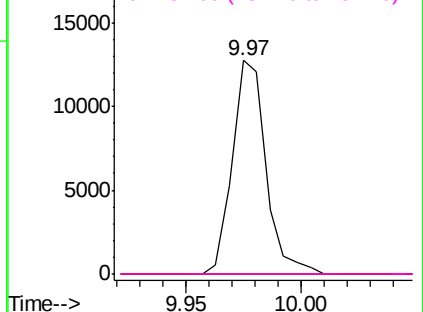
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

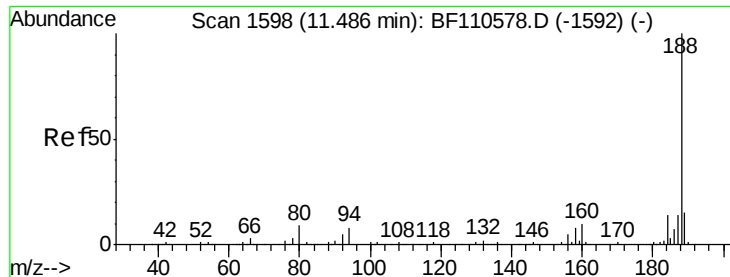


#57
 2,4-Dinitrotoluene
 Concen: 5.869 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.21 min
 Lab File: BF110947.D
 Acq: 23 Nov 2018 16:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

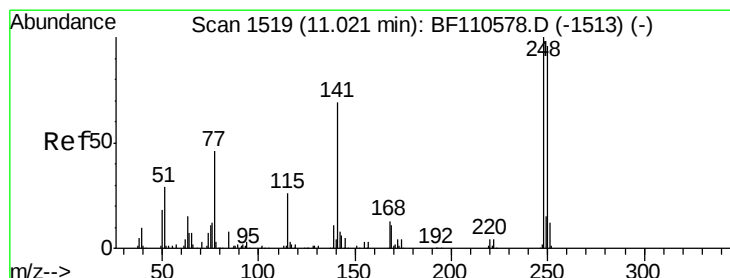
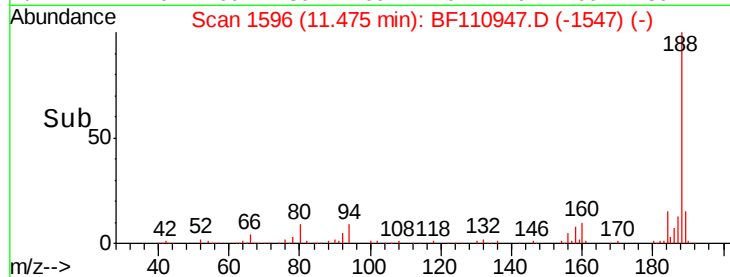
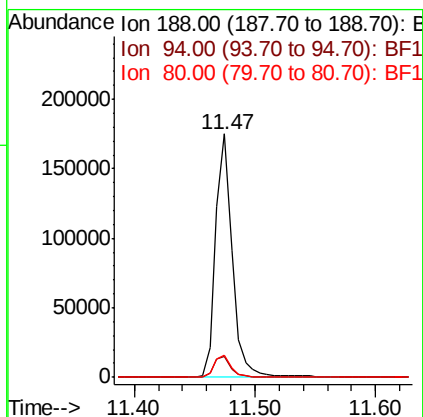
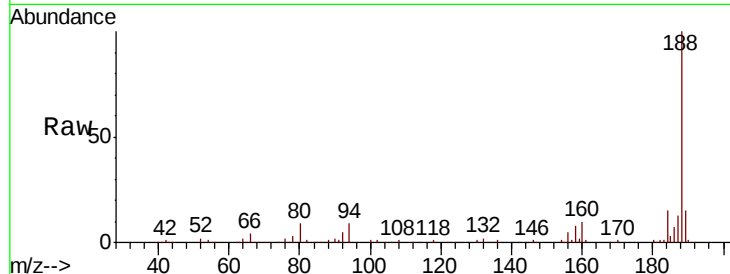




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110947.D
 Acq: 23 Nov 2018 16:40

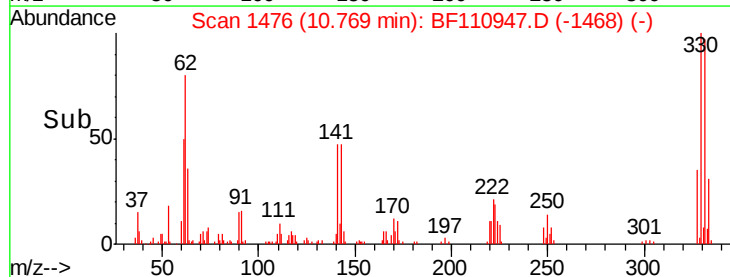
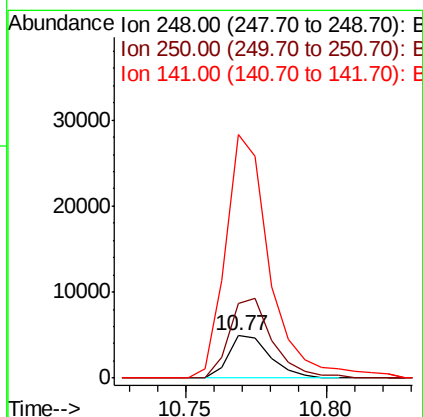
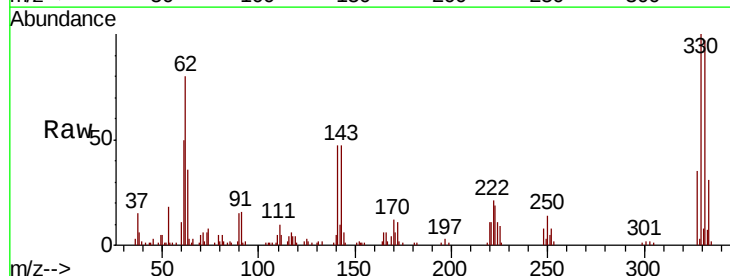
Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-1

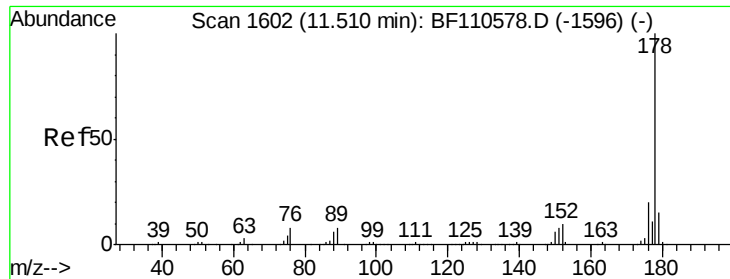
Tgt Ion:188 Resp: 165404
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.2 10.8
 80 9.0 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 2.801 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.25 min
 Lab File: BF110947.D
 Acq: 23 Nov 2018 16:40

Tgt Ion:248 Resp: 5121
 Ion Ratio Lower Upper
 248 100
 250 177.6 79.4 119.2#
 141 578.6 55.9 83.9#

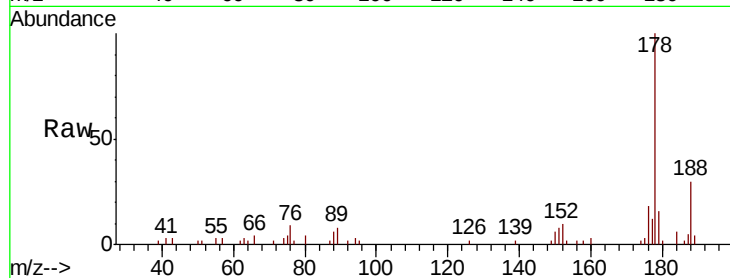




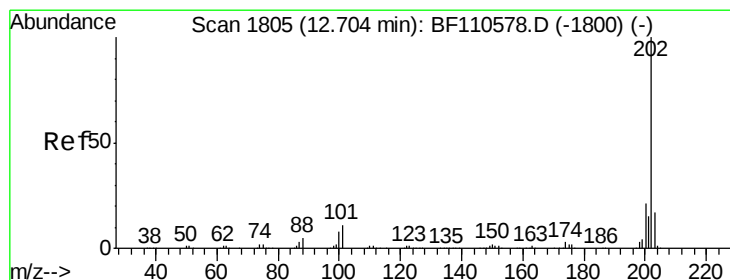
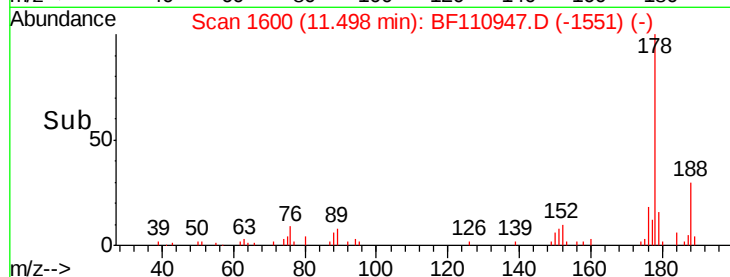
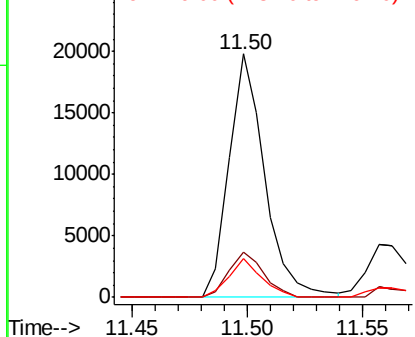
#71
Phenanthrene
Concen: 2.412 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-1

Tgt Ion:178 Resp: 21370
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.1 12.5 18.7

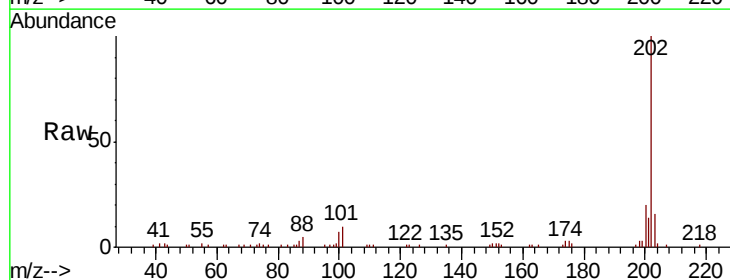


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

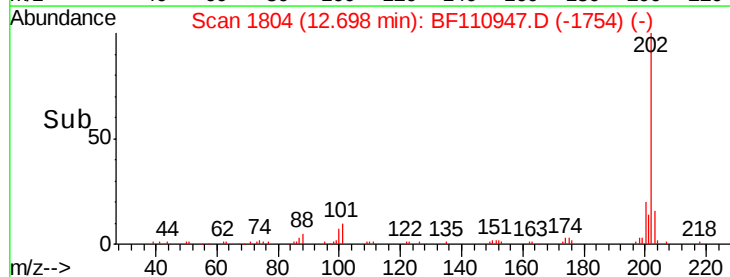
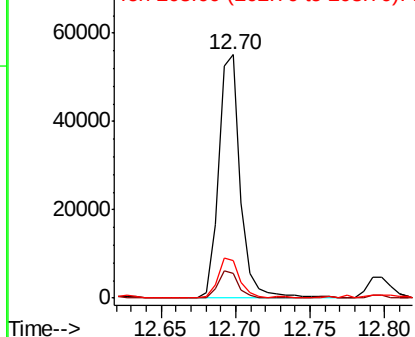


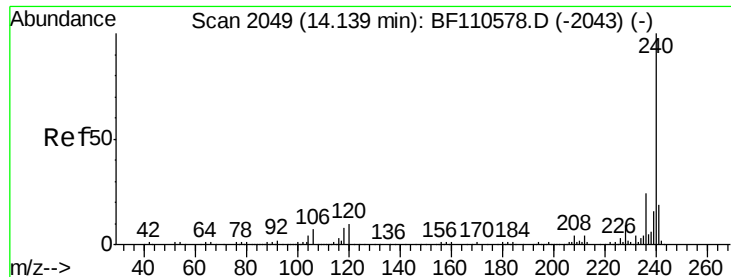
#75
Fluoranthene
Concen: 6.360 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Tgt Ion:202 Resp: 56503
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 15.6 0.0 37.7



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

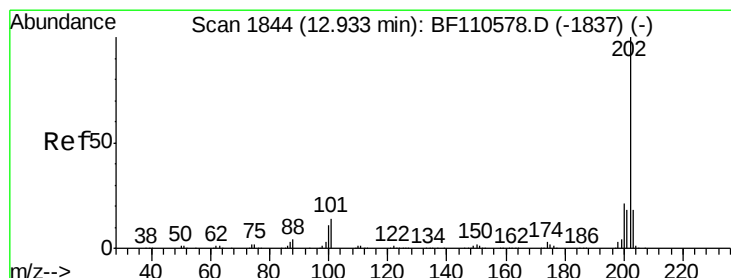
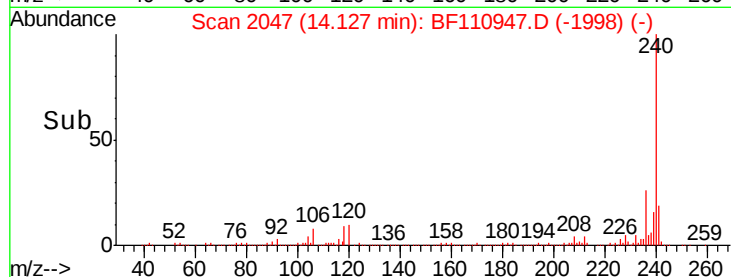
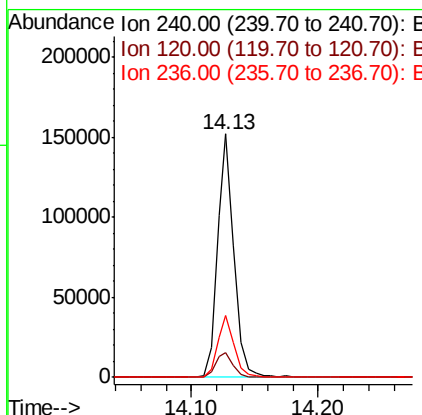
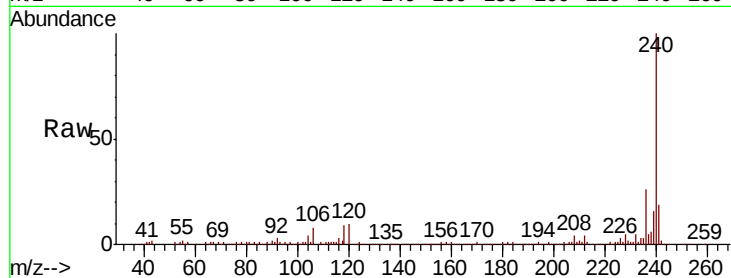




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

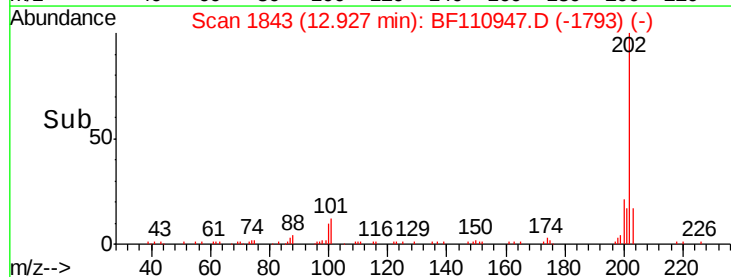
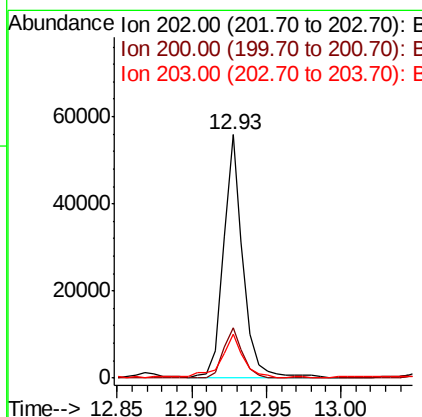
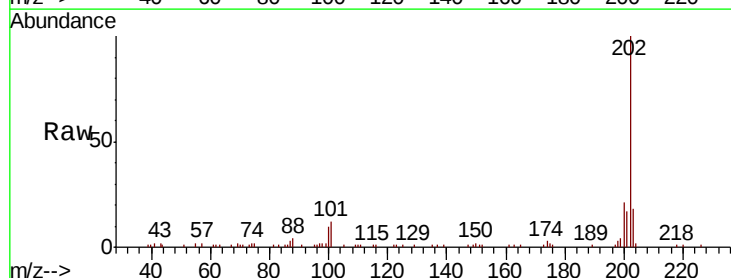
Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-1

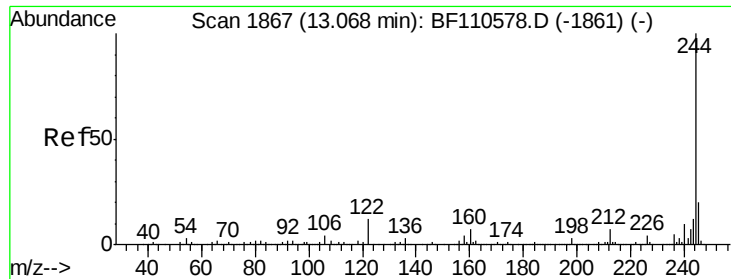
Tgt Ion:240 Resp: 138117
Ion Ratio Lower Upper
240 100
120 10.4 8.3 12.5
236 25.5 21.2 31.8



#78
Pyrene
Concen: 4.847 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Tgt Ion:202 Resp: 51544
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 38.048 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF110947.D

Acq: 23 Nov 2018 16:40

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-1

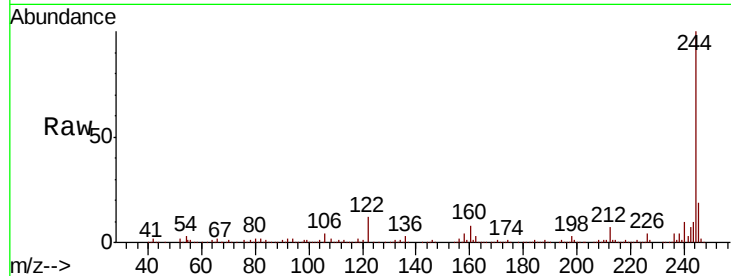
Tgt Ion:244 Resp: 280603

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

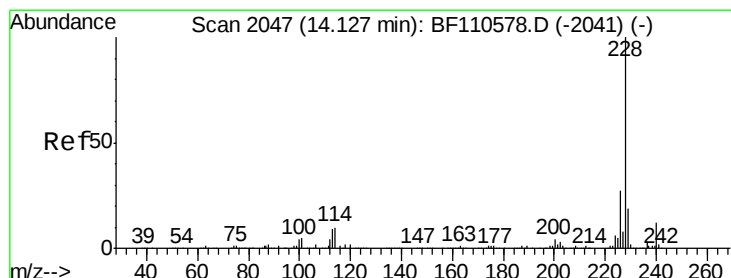
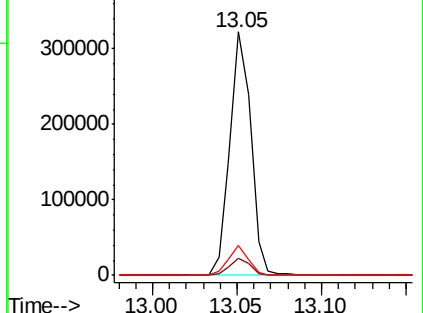
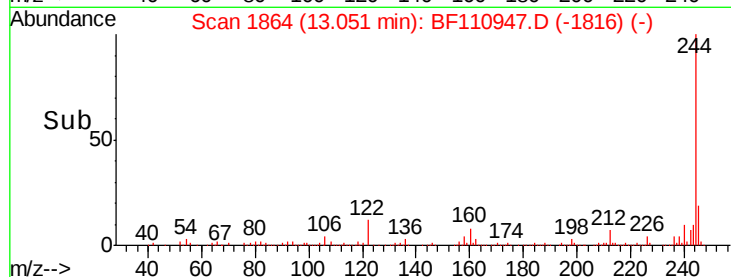
122 12.2 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.821 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110947.D

Acq: 23 Nov 2018 16:40

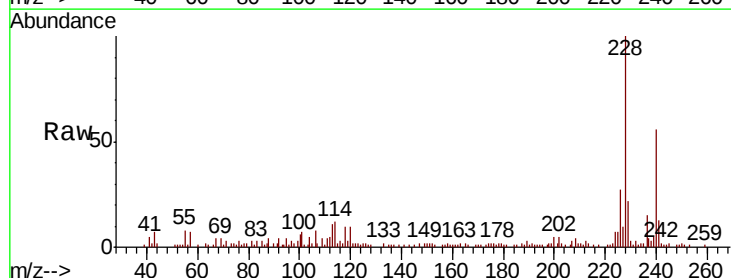
Tgt Ion:228 Resp: 31545

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

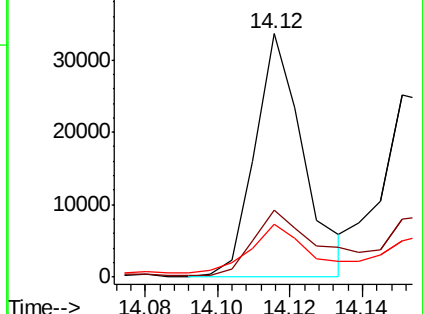
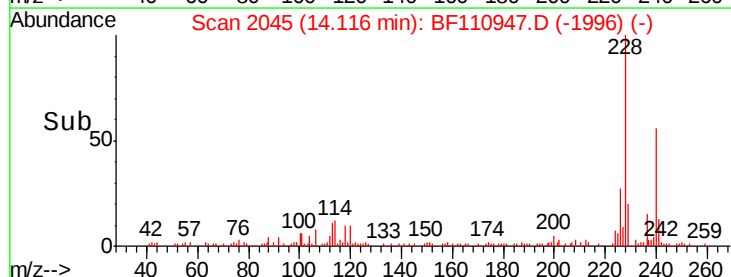
229 21.7 15.6 23.4

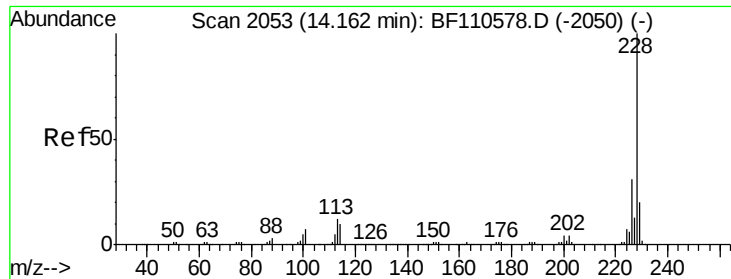


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.832 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110947.D

Acq: 23 Nov 2018 16:40

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-1

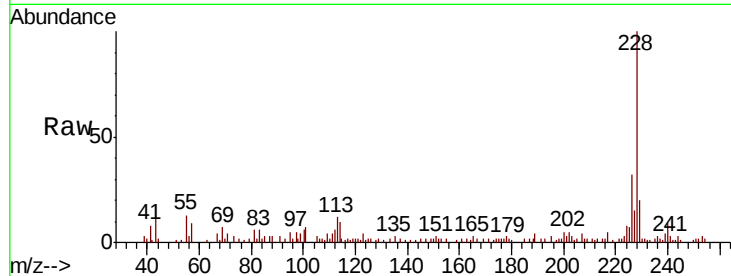
Tgt Ion:228 Resp: 30138

Ion Ratio Lower Upper

228 100

226 31.6 24.7 37.1

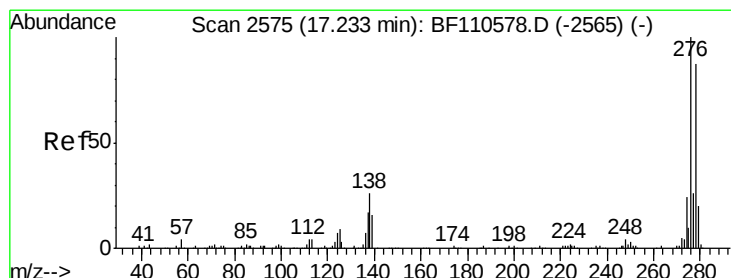
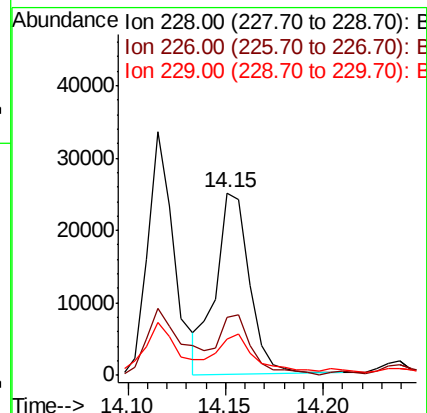
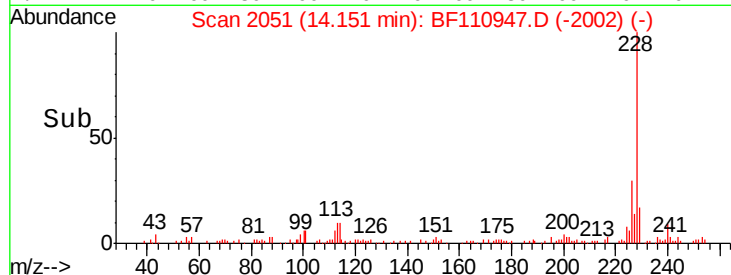
229 19.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.116 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.02 min

Lab File: BF110947.D

Acq: 23 Nov 2018 16:40

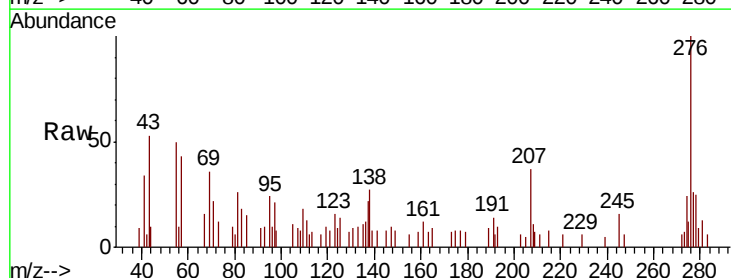
Tgt Ion:276 Resp: 11940

Ion Ratio Lower Upper

276 100

138 28.5 18.5 27.7#

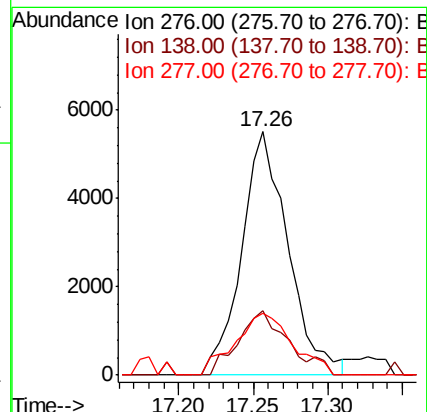
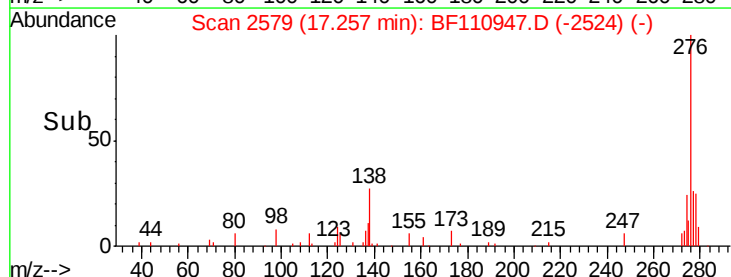
277 31.3 20.0 30.0#

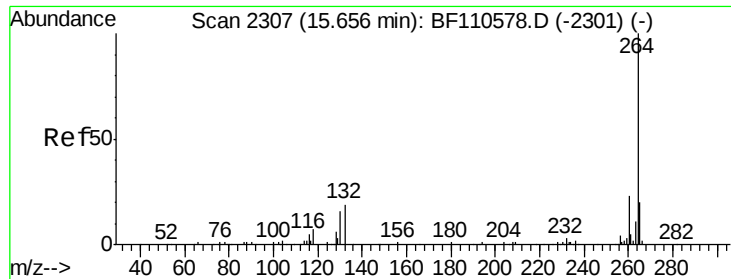


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



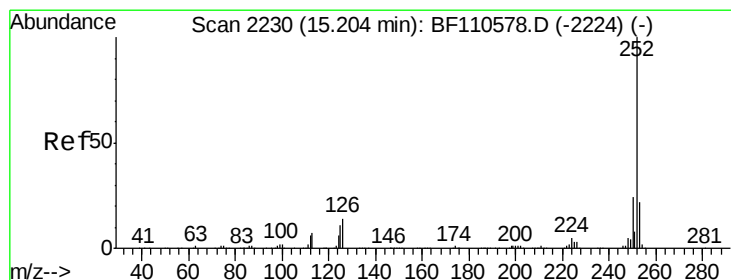
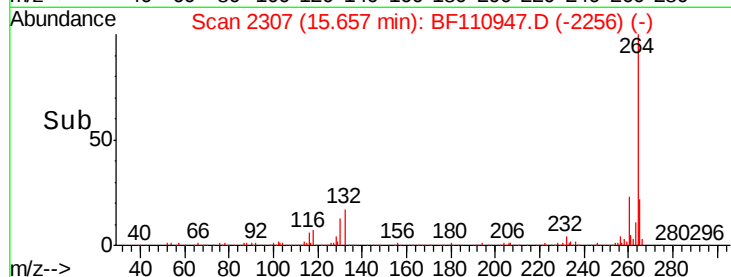
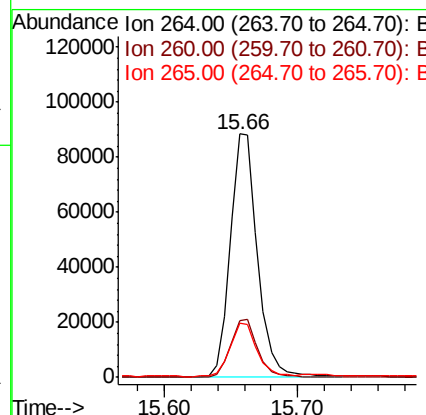
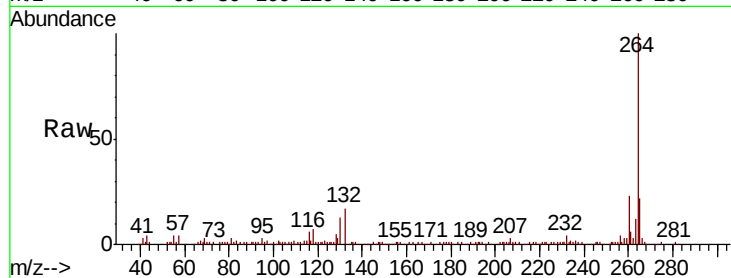


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-1

Tgt Ion: 264 Resp: 126677

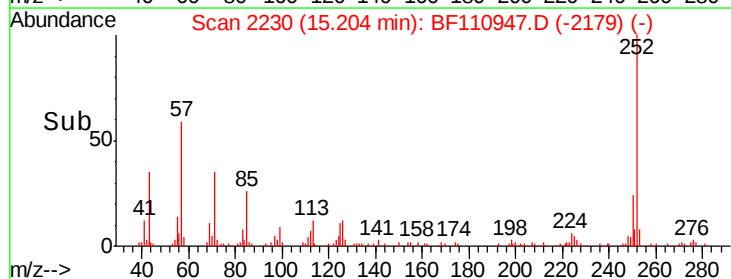
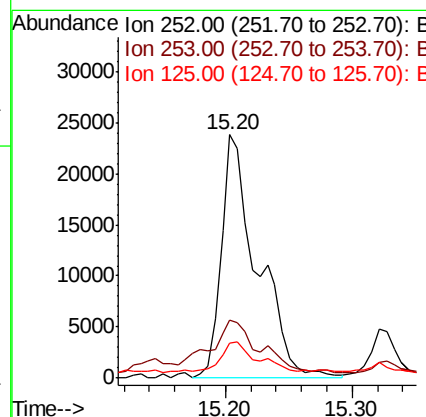
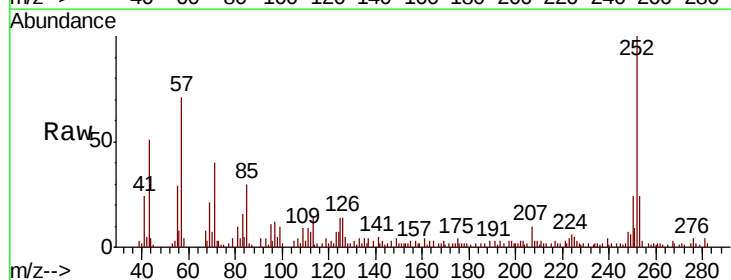
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	22.3	16.7	25.1

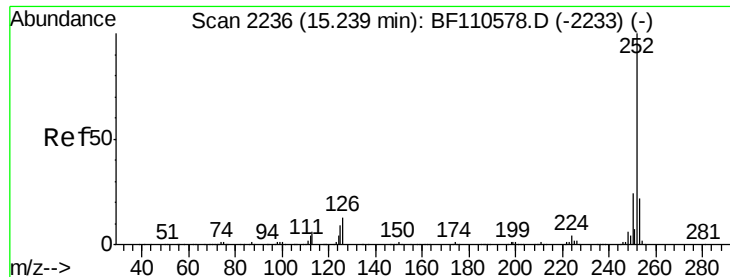


#88
Benzo(b)fluoranthene
Concen: 6.271 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Tgt Ion: 252 Resp: 47520

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	14.2	8.2	12.4

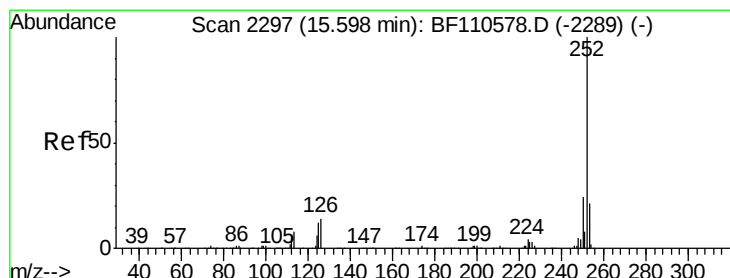
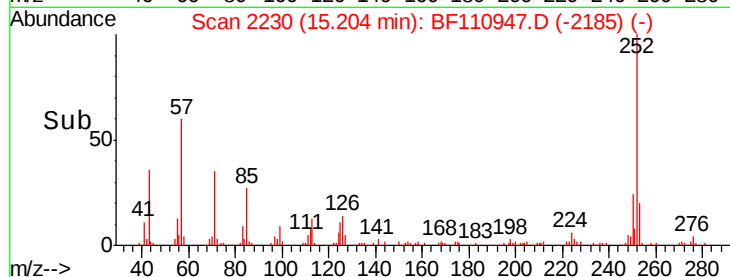
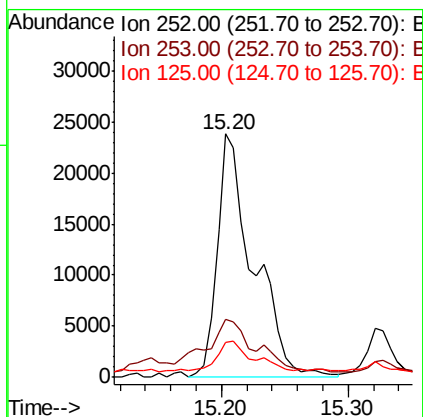
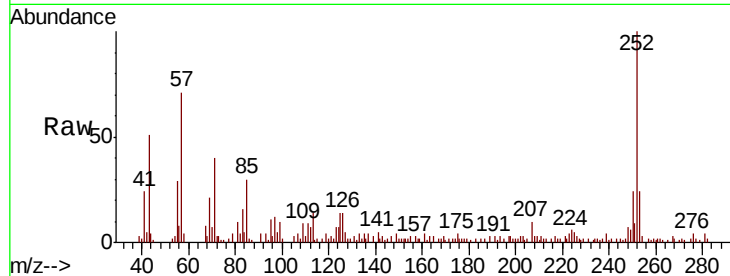




#89
Benzo(k)fluoranthene
Concen: 6.346 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-1

Tgt Ion:252 Resp: 47520
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 14.2 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 3.784 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.00 min
Lab File: BF110947.D
Acq: 23 Nov 2018 16:40

Tgt Ion:252 Resp: 26055
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 17.2 9.0 13.6#

