

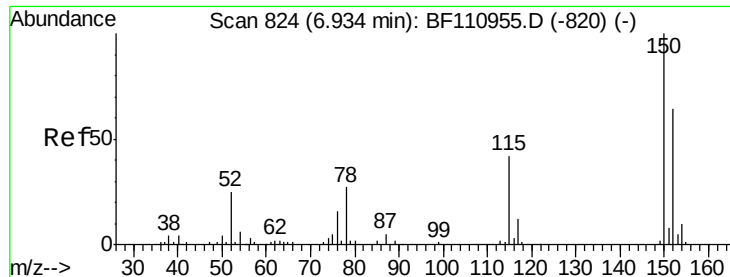
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112818\
 Data File : BF111051.D
 Acq On : 28 Nov 2018 17:52
 Operator : JU/SJ
 Sample : J6060-04RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180945-COMPOSITE-4

Quant Time: Nov 29 01:28:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	59489	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	251388	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	119315	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	209190	20.00	ng	0.00
76) Chrysene-d12	14.13	240	119292	20.00	ng	0.00
87) Perylene-d12	15.66	264	121429	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	435325	121.35	ng	0.00
7) Phenol-d6	6.56	99	548035	117.23	ng	0.00
23) Nitrobenzene-d5	7.50	82	350267	79.74	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	129858	109.59	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	609855	74.05	ng	0.00
79) Terphenyl-d14	13.05	244	411887	67.21	ng	0.00
Target Compounds						
9) Benzaldehyde	6.56	77	1066	Below Cal		Qvalue
10) Phenol	6.57	94	30293	5.754	ng	# 1
19) n-Nitroso-di-n-propylamine	7.50	70	47240	15.513	ng	# 79
25) Isophorone	7.50	82	350267	48.612	ng	# 67
50) Dimethylphthalate	9.69	163	90629	10.357	ng	98
57) 2,4-Dinitrotoluene	9.97	165	14823	5.865	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	8311	3.648	ng	# 1
71) Phenanthrene	11.50	178	45924	4.145	ng	98
75) Fluoranthene	12.70	202	41701	3.662	ng	97
78) Pyrene	12.93	202	44854	5.148	ng	98
81) Benzo(a)anthracene	14.12	228	15174	2.155	ng	97
83) Chrysene	14.16	228	16117	2.325	ng	96
88) Benzo(b)fluoranthene	15.22	252	19559	2.742	ng	# 94
89) Benzo(k)fluoranthene	15.22	252	19559	2.664	ng	# 94

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

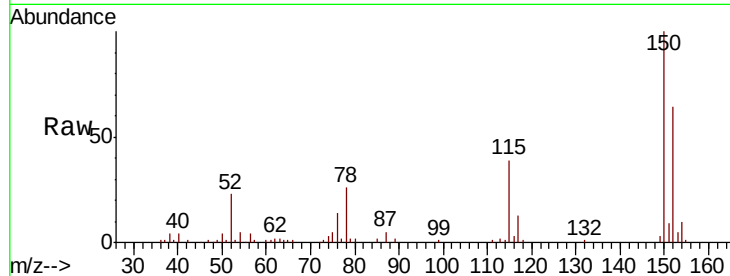


#1

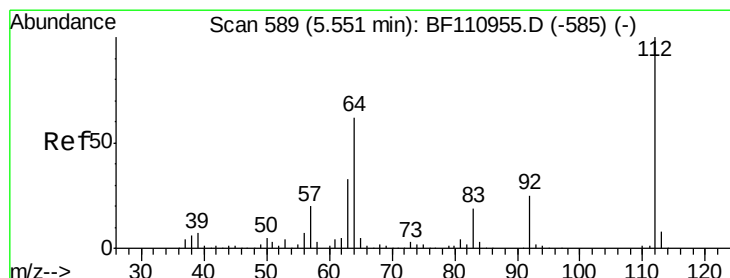
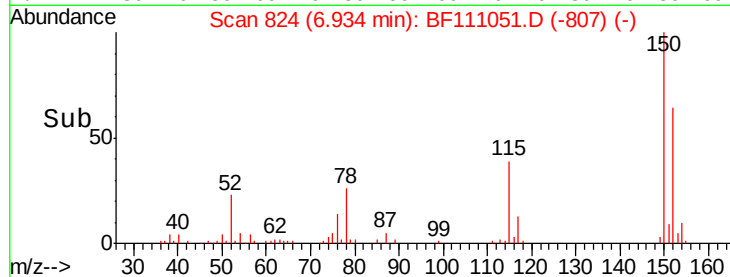
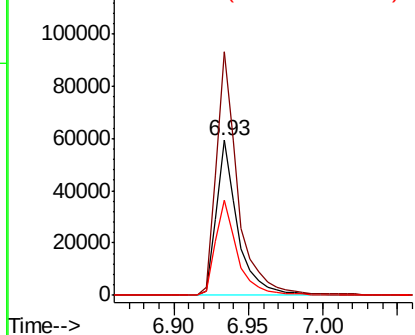
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Instrument :
BNA_F
ClientSampleId :
20180945-COMPOSITE-4

Tgt Ion:152 Resp: 59489
Ion Ratio Lower Upper
152 100
150 156.9 122.7 184.1
115 61.7 49.1 73.7



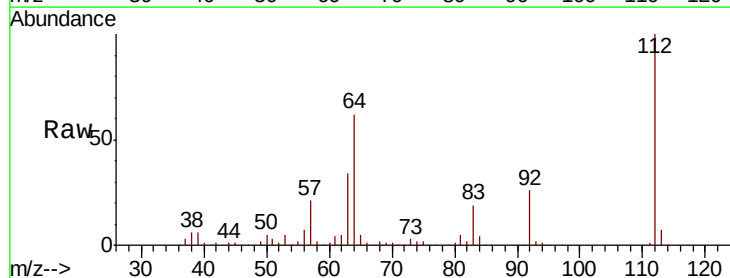
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



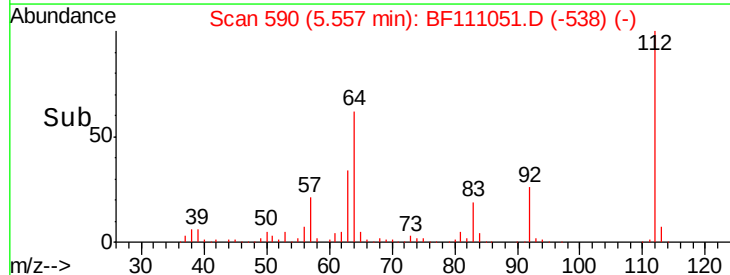
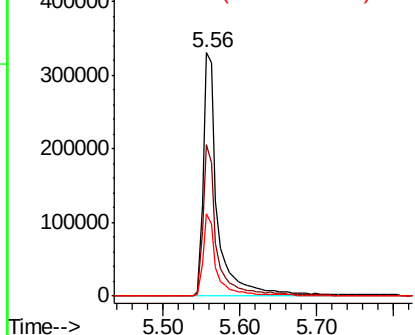
#5

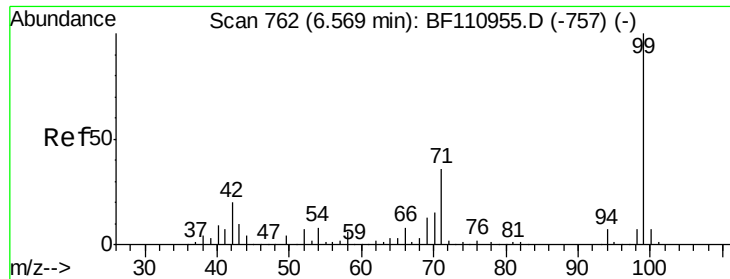
2-Fluorophenol
Concen: 121.351 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Tgt Ion:112 Resp: 435325
Ion Ratio Lower Upper
112 100
64 62.3 44.1 66.1
63 33.6 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: 117.230 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111051.D

Acq: 28 Nov 2018 17:52

Instrument :

BNA_F

ClientSampleId :

20180945-COMPOSITE-4

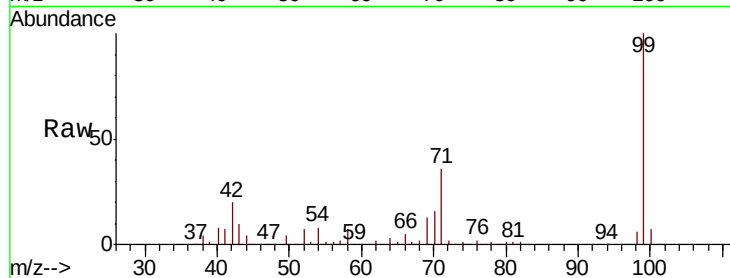
Tgt Ion: 99 Resp: 548035

Ion Ratio Lower Upper

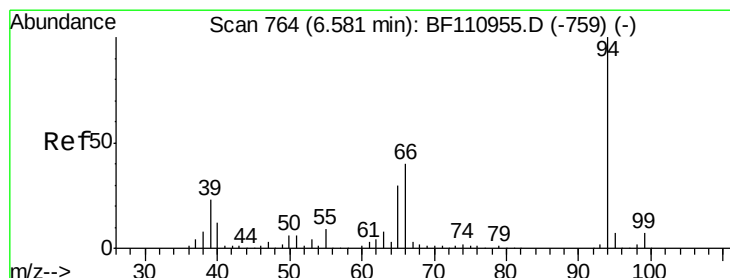
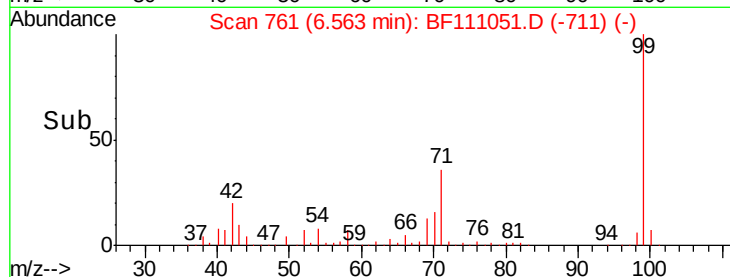
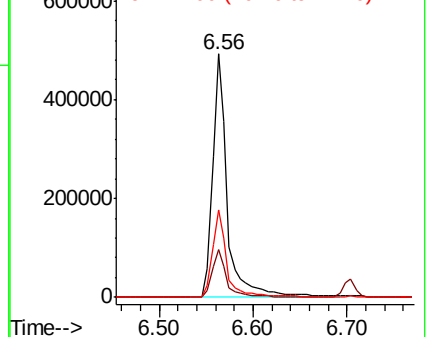
99 100

42 19.8 15.8 23.6

71 35.7 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: 5.754 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111051.D

Acq: 28 Nov 2018 17:52

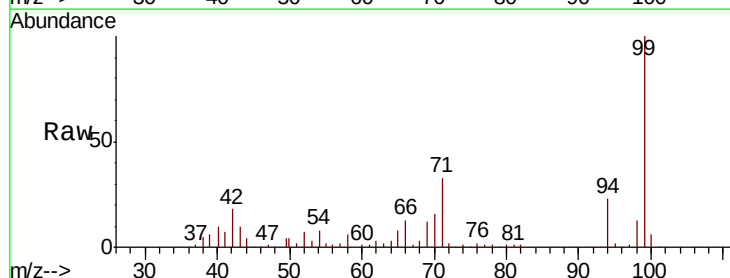
Tgt Ion: 94 Resp: 30293

Ion Ratio Lower Upper

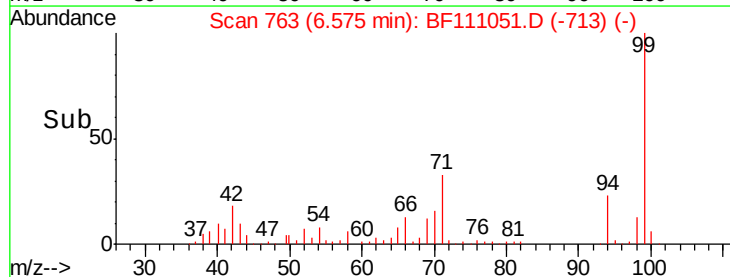
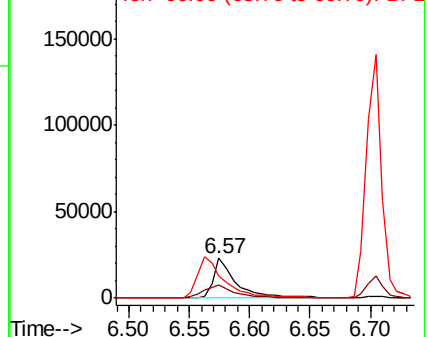
94 100

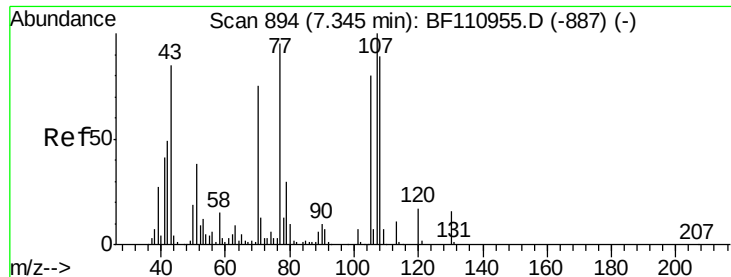
65 33.8 25.3 65.3

66 57.0 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

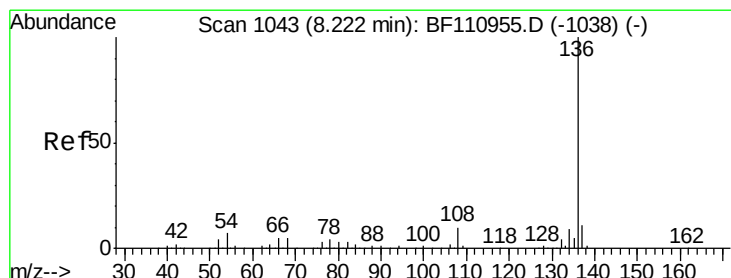
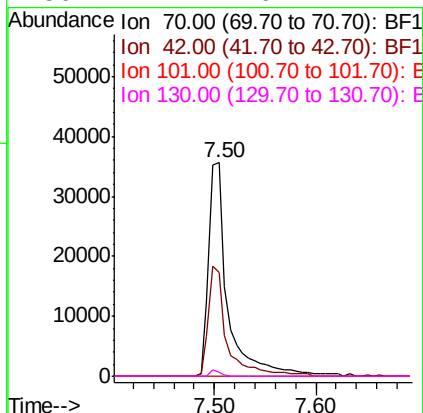
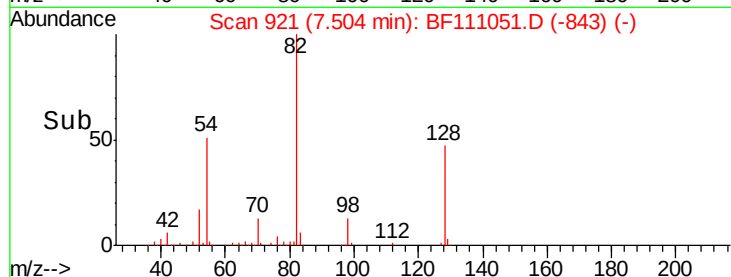
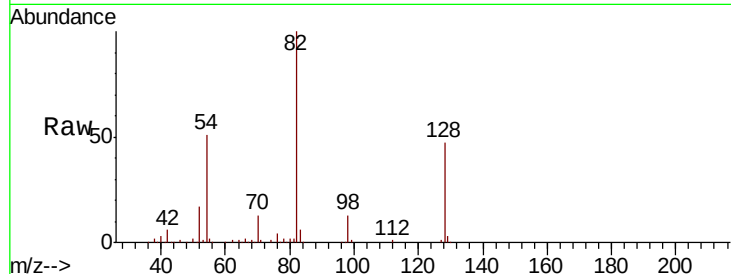




#19
n-Nitroso-di-n-propylamine
Concen: 15.513 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.16 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

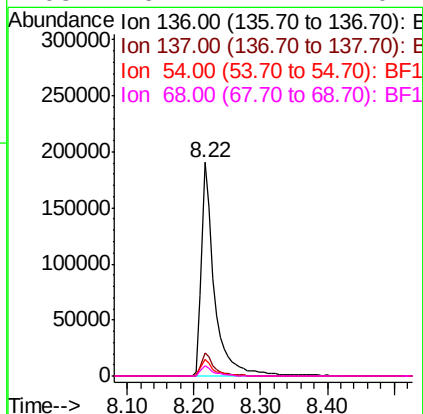
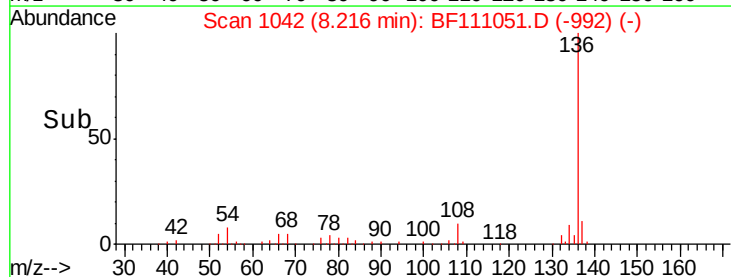
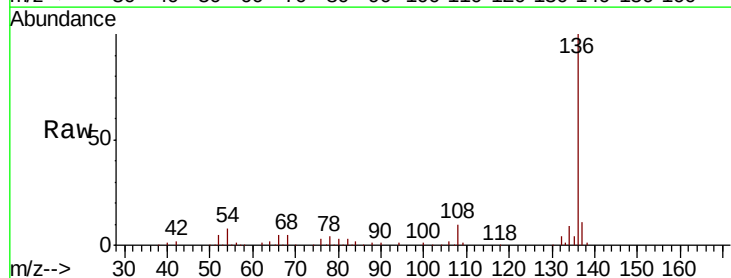
Instrument :
BNA_F
ClientSampleId :
20180945-COMPOSITE-4

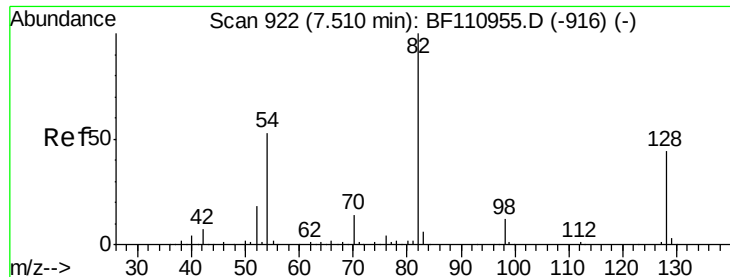
Tgt Ion: 70 Resp: 47240
Ion Ratio Lower Upper
70 100
42 48.4 47.4 71.2
101 0.0 7.3 10.9#
130 1.7 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Tgt Ion: 136 Resp: 251388
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.0 5.4 8.2
68 5.1 4.2 6.2

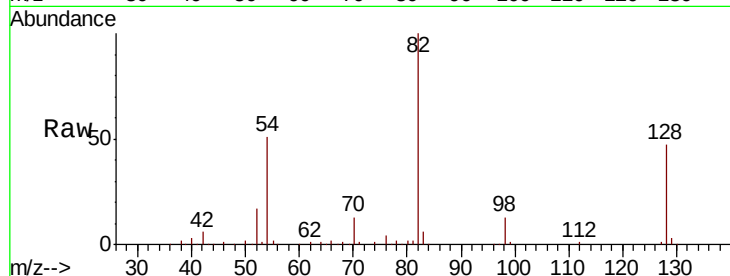




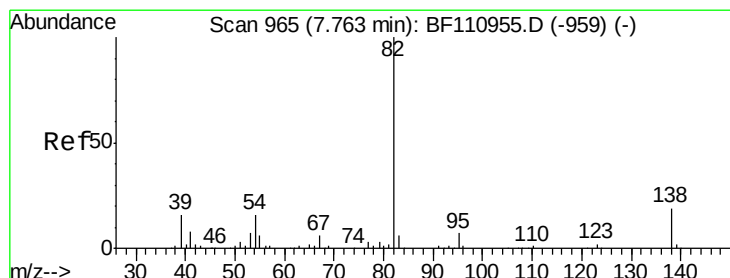
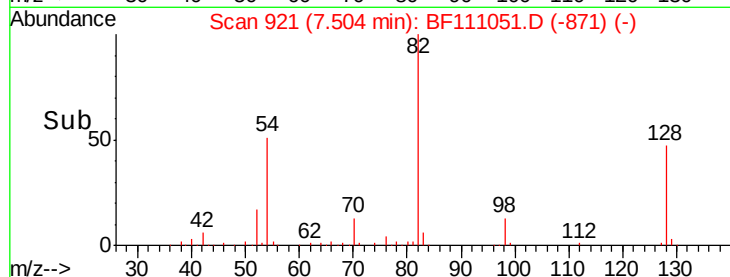
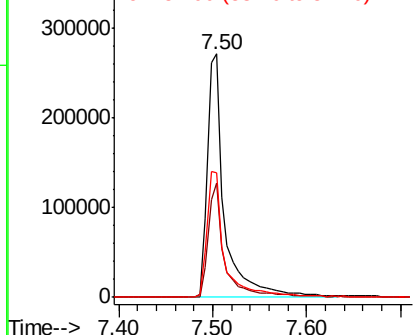
#23
Nitrobenzene-d5
Concen: 79.741 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Instrument :
BNA_F
ClientSampleId :
20180945-COMPOSITE-4

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.2	51.2
54	51.1	38.6	58.0

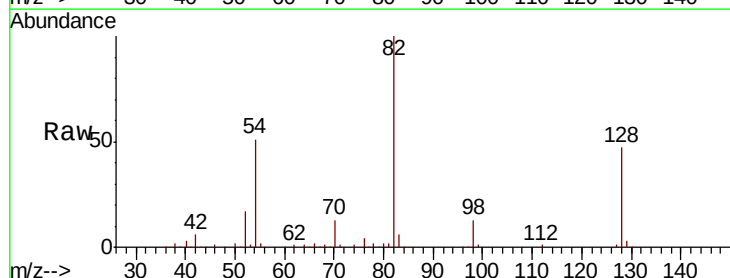


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

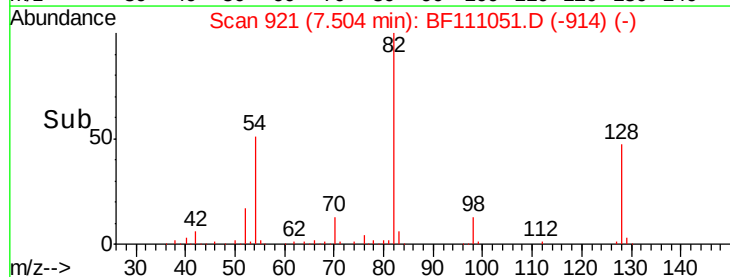
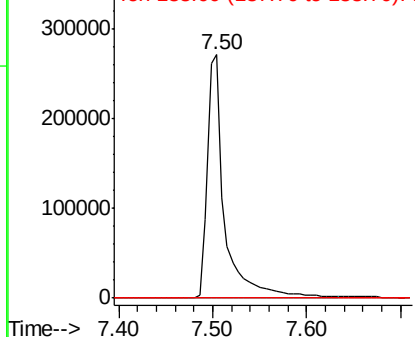


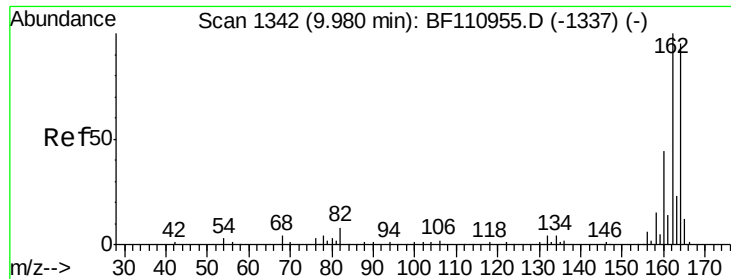
#25
Isophorone
Concen: 48.612 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

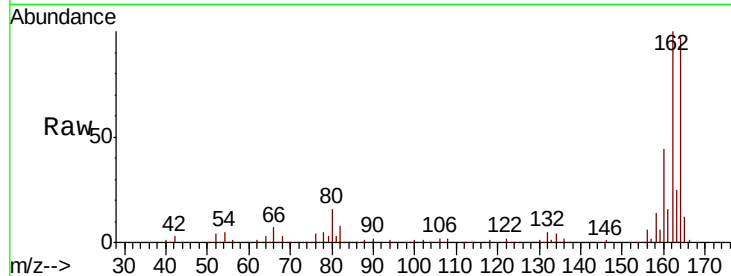




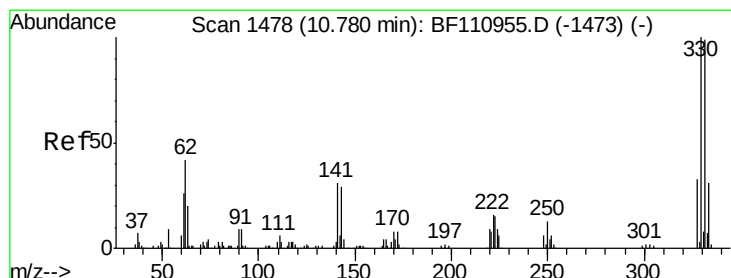
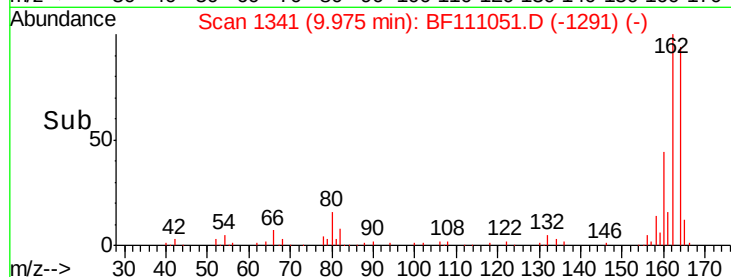
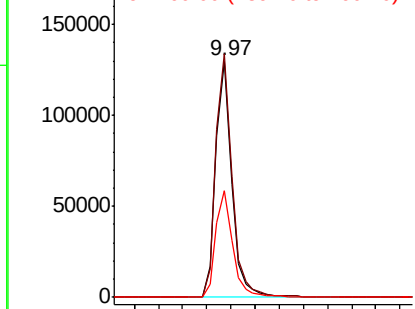
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Instrument :
BNA_F
ClientSampleId :
20180945-COMPOSITE-4

Tgt Ion:164 Resp: 119315
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.6
160 45.0 37.0 55.6

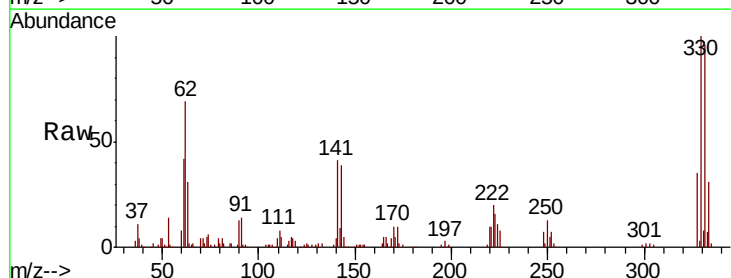


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

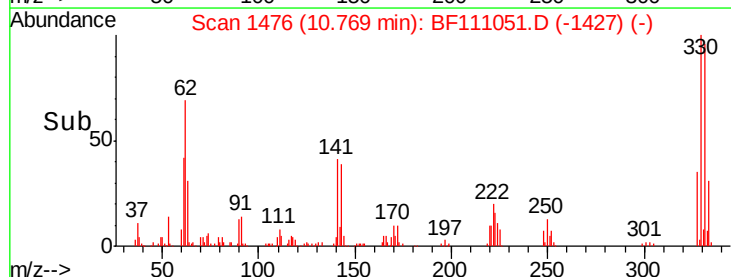
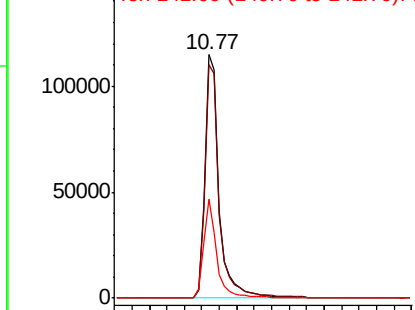


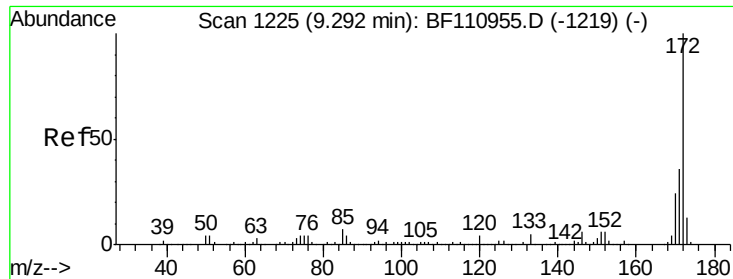
#42
2,4,6-Tribromophenol
Concen: 109.589 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Tgt Ion:330 Resp: 129858
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 37.2 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

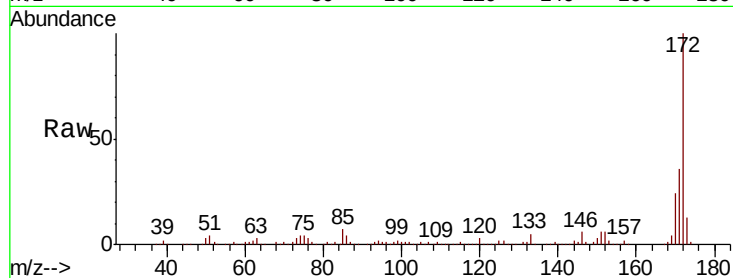




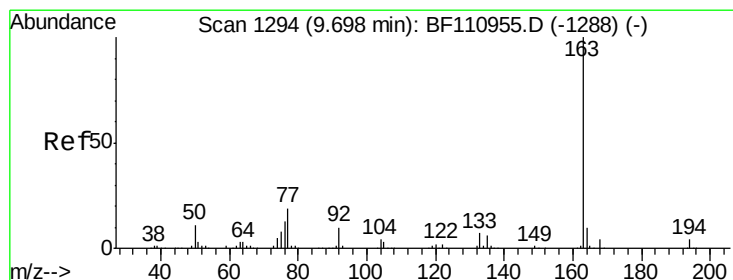
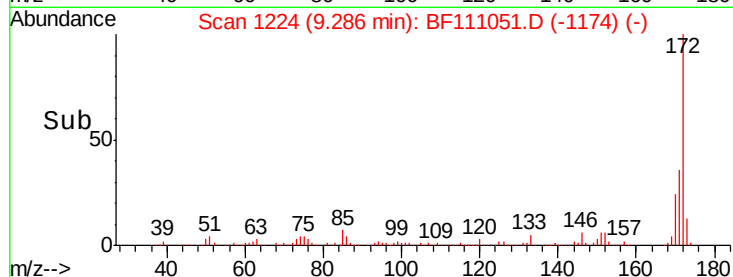
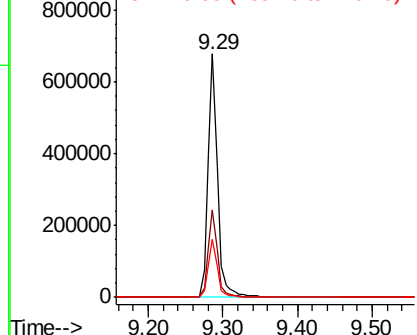
#45
2-Fluorobiphenyl
Concen: 74.051 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Instrument :
BNA_F
ClientSampleId :
20180945-COMPOSITE-4

Tgt Ion:172 Resp: 609855
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.6 19.7 29.5

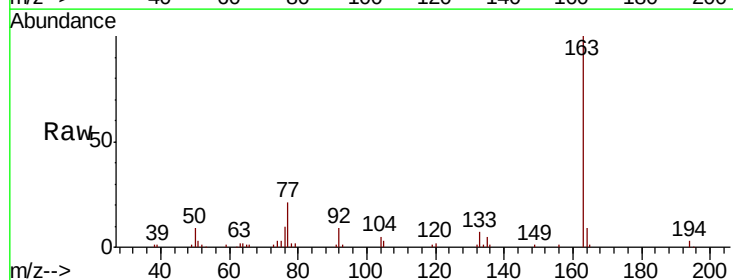


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

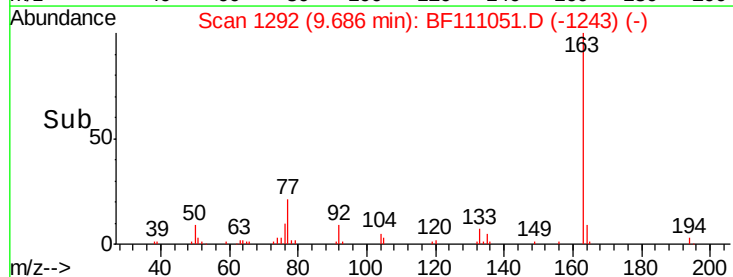
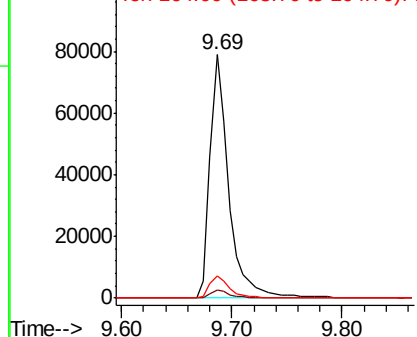


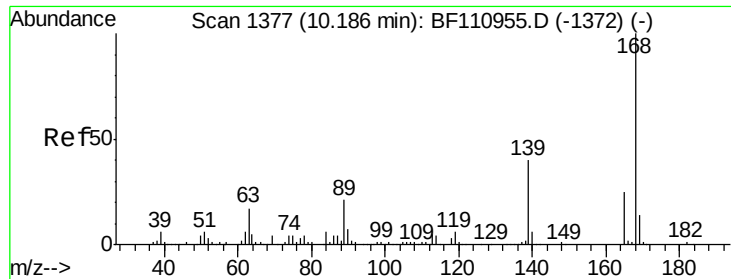
#50
Dimethylphthalate
Concen: 10.357 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Tgt Ion:163 Resp: 90629
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 9.3 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

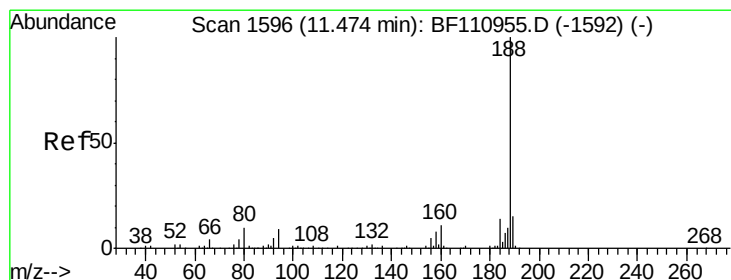
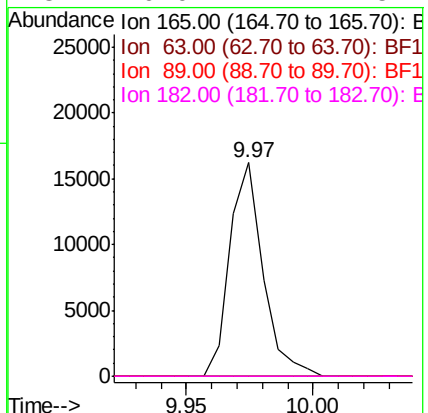
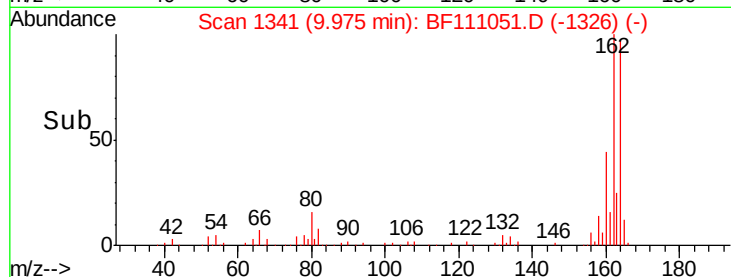
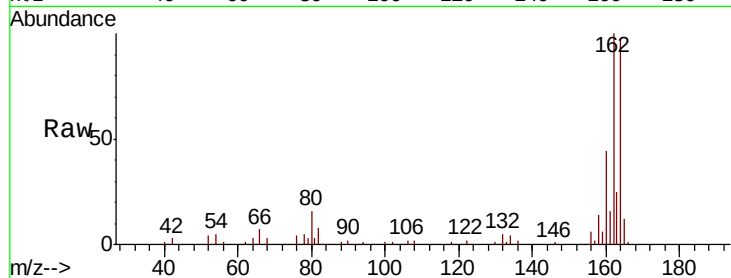




#57
2,4-Dinitrotoluene
Concen: 5.865 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.21 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

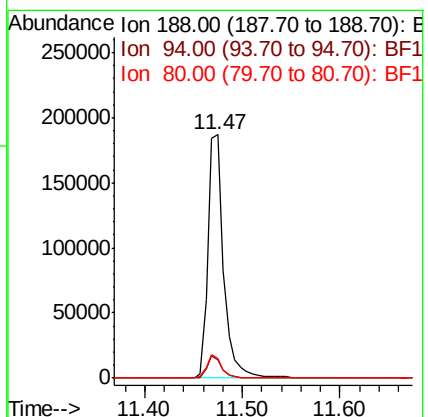
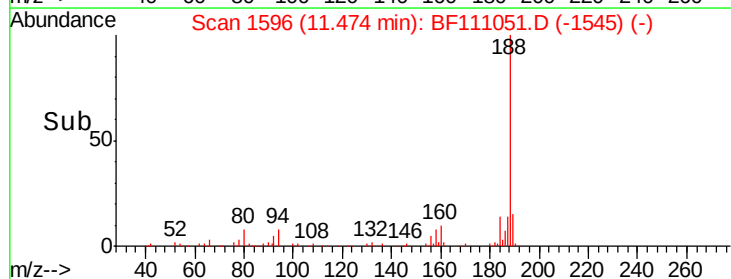
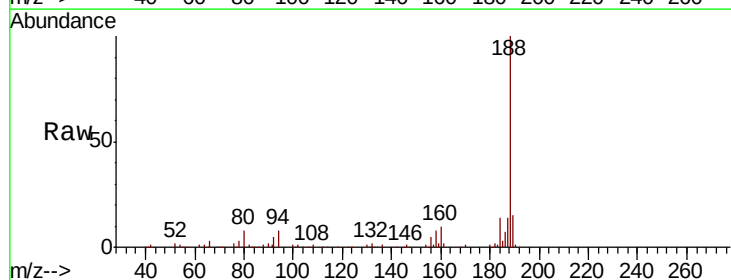
Instrument :
BNA_F
ClientSampleId :
20180945-COMPOSITE-4

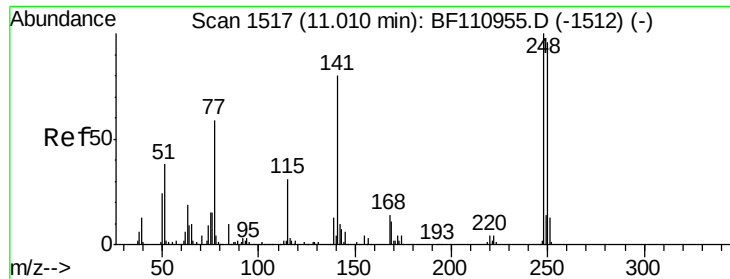
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.2	10.8
80	8.2	7.9	11.9

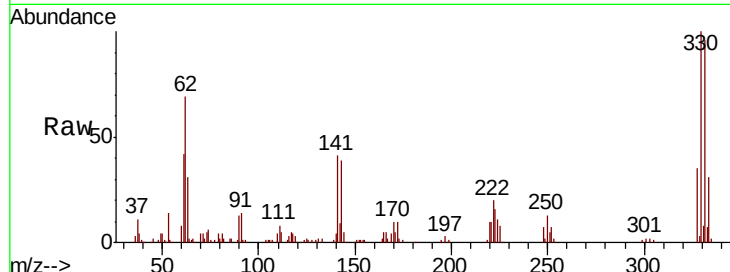




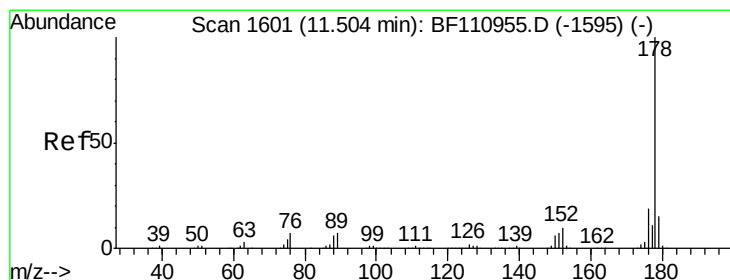
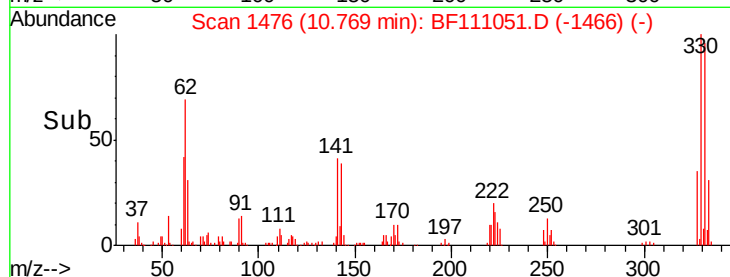
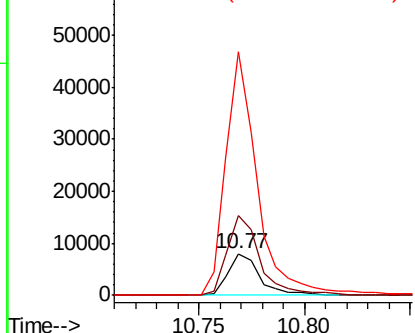
#67
 4-Bromophenyl-phenylether
 Concen: 3.648 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.24 min
 Lab File: BF111051.D
 Acq: 28 Nov 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :
 20180945-COMPOSITE-4

Tgt Ion: 248 Resp: 8311
 Ion Ratio Lower Upper
 248 100
 250 190.4 79.4 119.2#
 141 582.4 55.9 83.9#

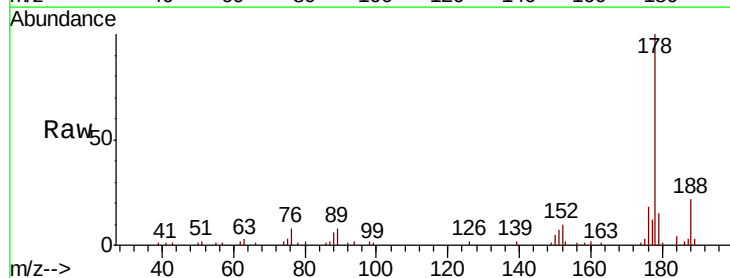


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

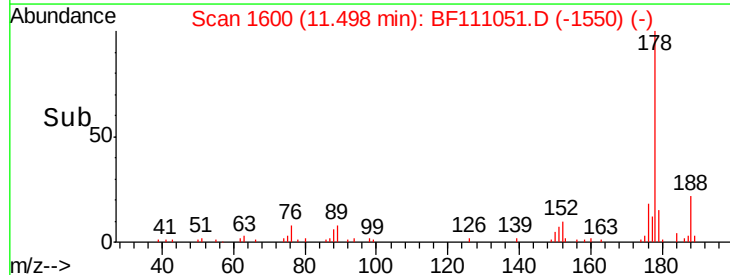
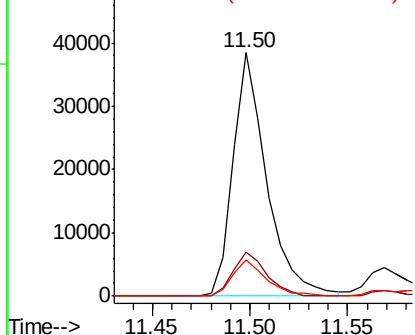


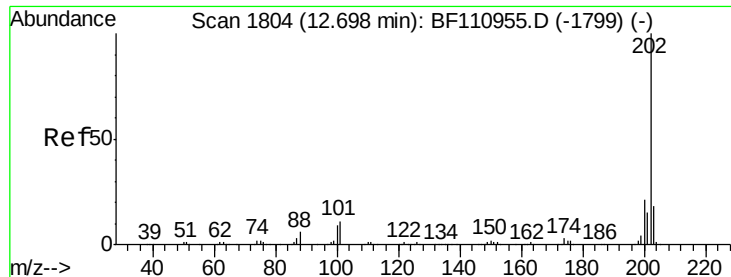
#71
 Phenanthrene
 Concen: 4.145 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF111051.D
 Acq: 28 Nov 2018 17:52

Tgt Ion: 178 Resp: 45924
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 15.0 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: 3.662 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF111051.D

Acq: 28 Nov 2018 17:52

Instrument :

BNA_F

ClientSampleId :

20180945-COMPOSITE-4

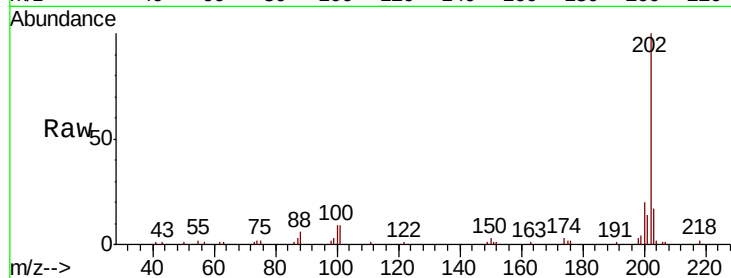
Tgt Ion: 202 Resp: 41701

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.4

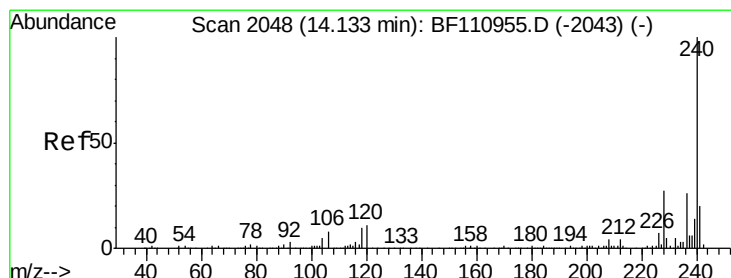
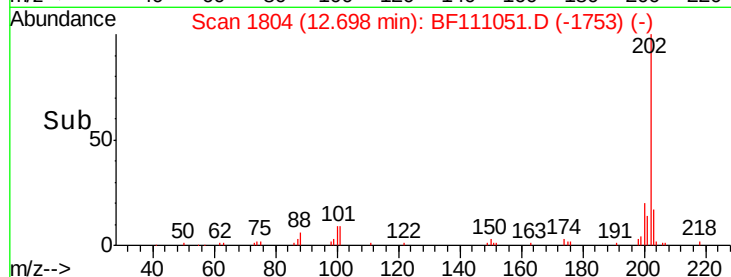
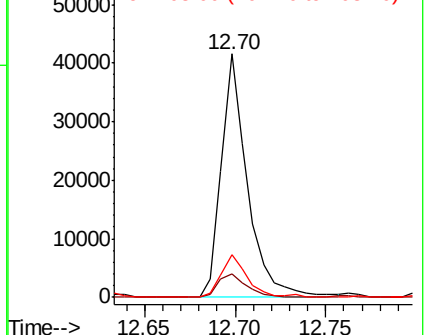
203 17.4 0.0 37.7



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: BF111051.D

Acq: 28 Nov 2018 17:52

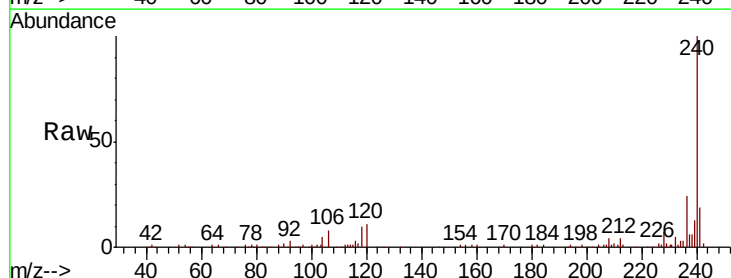
Tgt Ion: 240 Resp: 119292

Ion Ratio Lower Upper

240 100

120 11.3 8.3 12.5

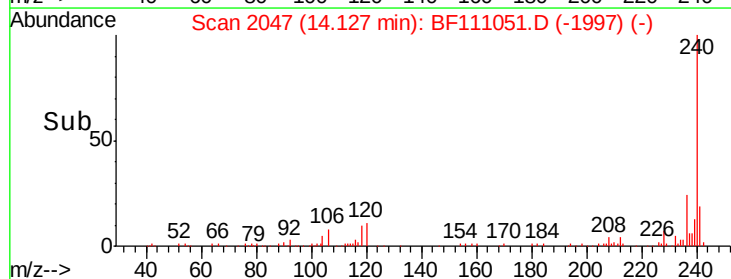
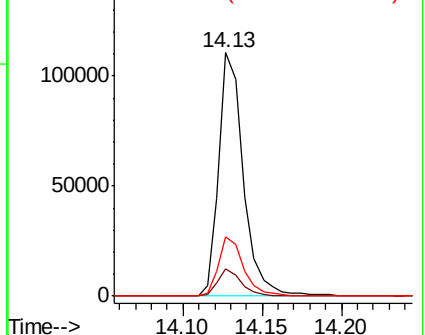
236 24.4 21.2 31.8

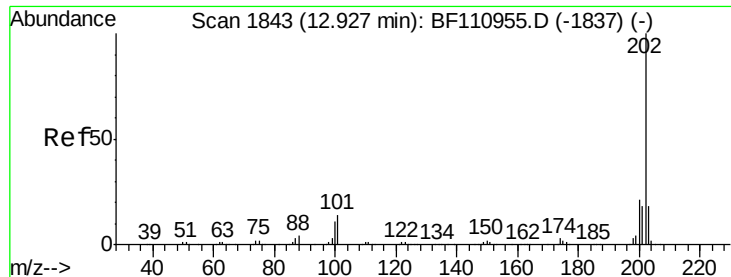


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

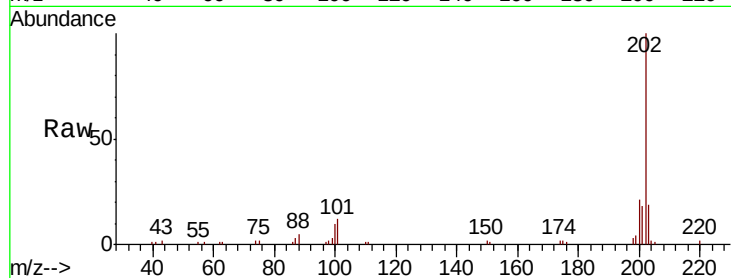




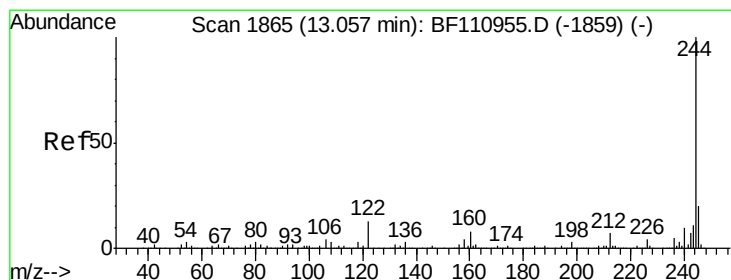
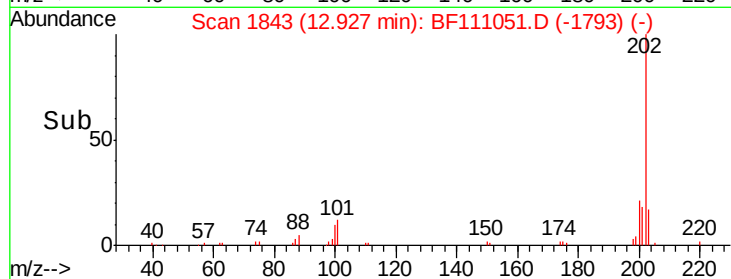
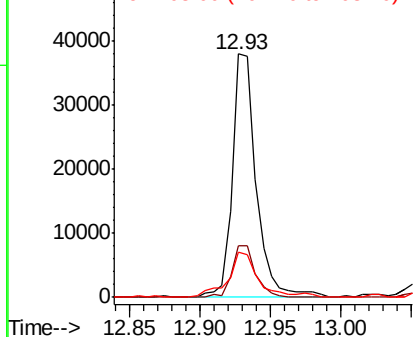
#78
 Pyrene
 Concen: 5.148 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF111051.D
 Acq: 28 Nov 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :
 20180945-COMPOSITE-4

Tgt Ion: 202 Resp: 44854
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.8 26.6
 203 18.7 14.2 21.4

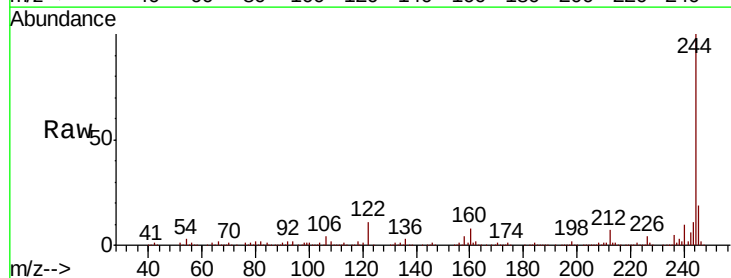


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

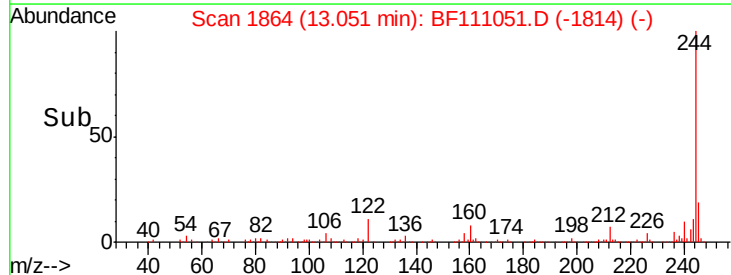
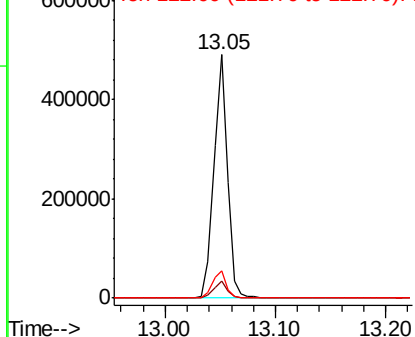


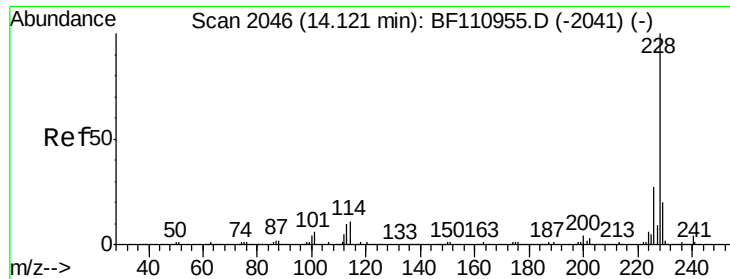
#79
 Terphenyl-d14
 Concen: 67.213 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF111051.D
 Acq: 28 Nov 2018 17:52

Tgt Ion: 244 Resp: 411887
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 11.4 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: 2.155 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BF111051.D

Acq: 28 Nov 2018 17:52

Instrument :

BNA_F

ClientSampleId :

20180945-COMPOSITE-4

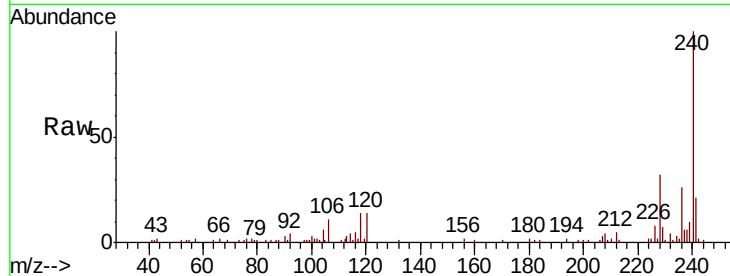
Tgt Ion:228 Resp: 15174

Ion Ratio Lower Upper

228 100

226 26.2 22.1 33.1

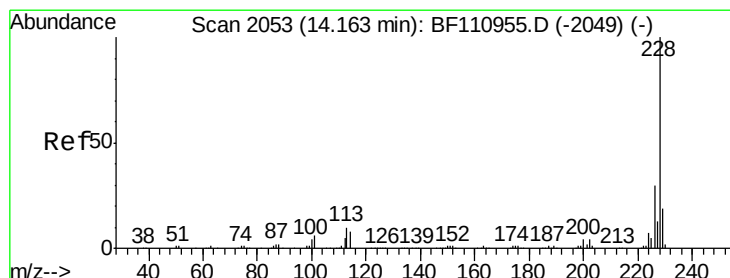
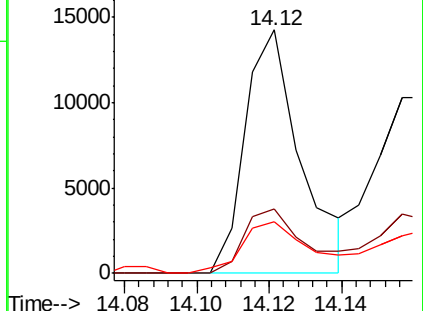
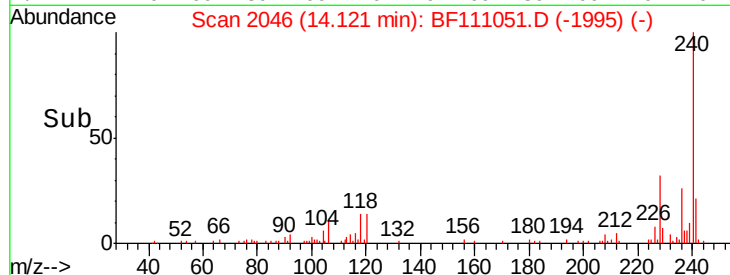
229 21.2 15.6 23.4



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: 2.325 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF111051.D

Acq: 28 Nov 2018 17:52

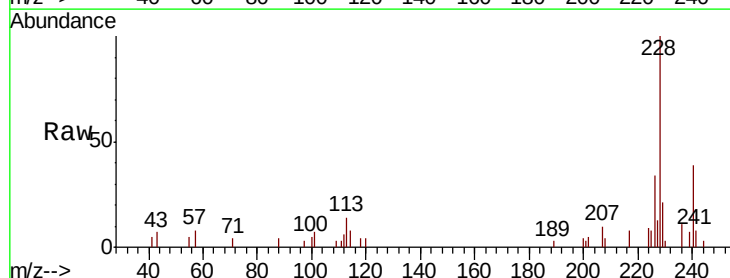
Tgt Ion:228 Resp: 16117

Ion Ratio Lower Upper

228 100

226 33.7 24.7 37.1

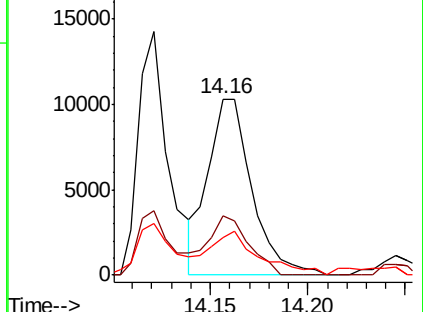
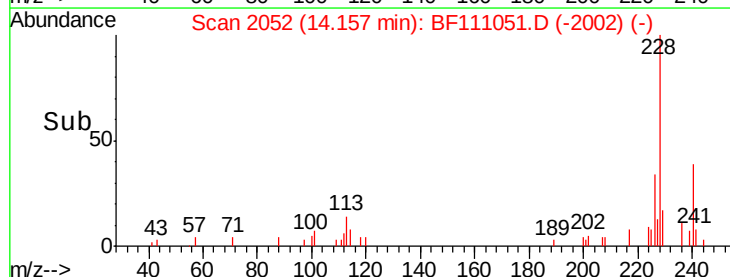
229 21.1 15.9 23.9

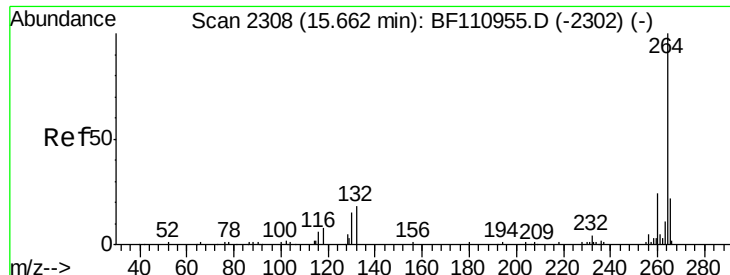


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

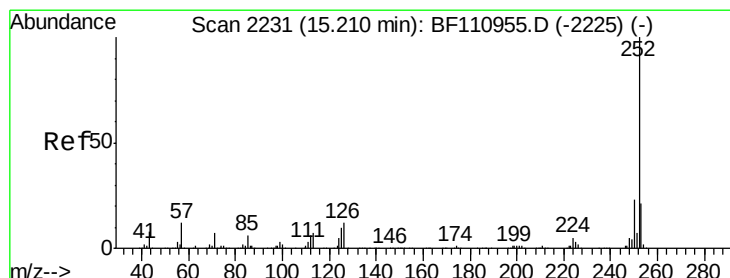
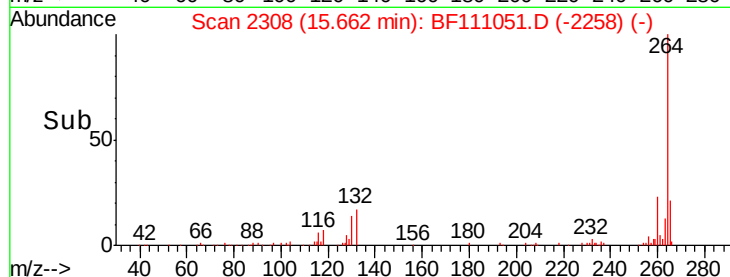
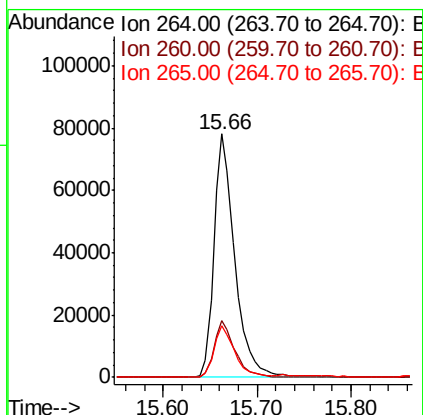
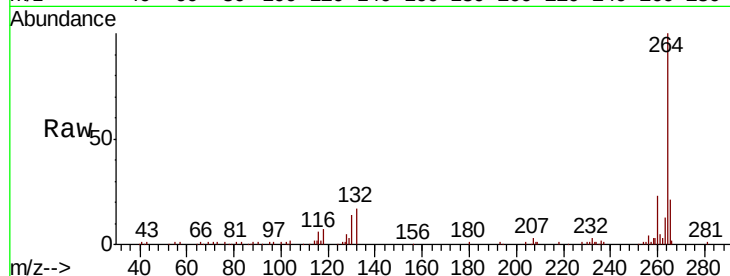




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

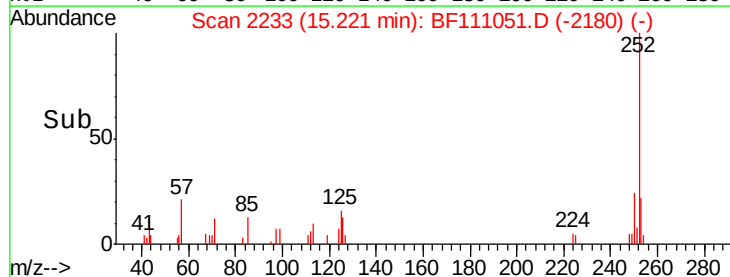
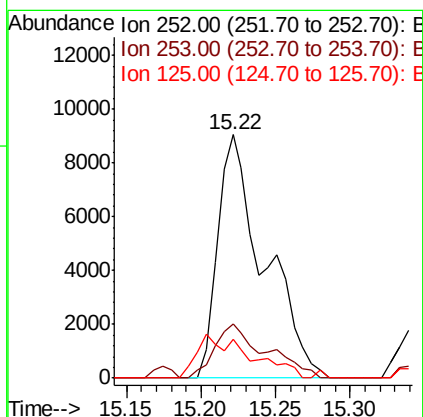
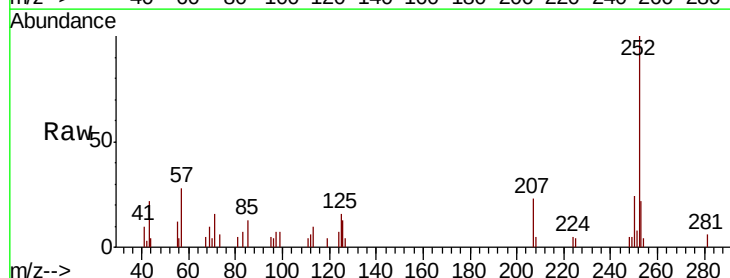
Instrument :
BNA_F
ClientSampleId :
20180945-COMPOSITE-4

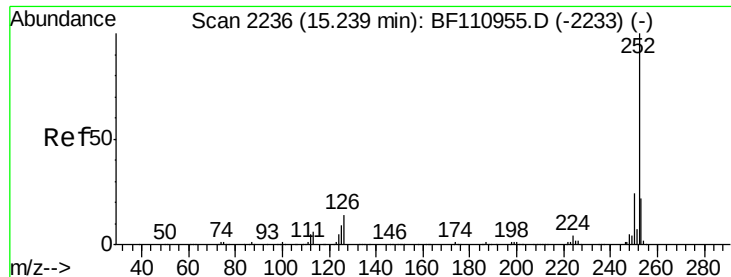
Tgt Ion:264 Resp: 121429
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.2 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 2.742 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF111051.D
Acq: 28 Nov 2018 17:52

Tgt Ion:252 Resp: 19559
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 15.9 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 2.664 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.02 min

Lab File: BF111051.D

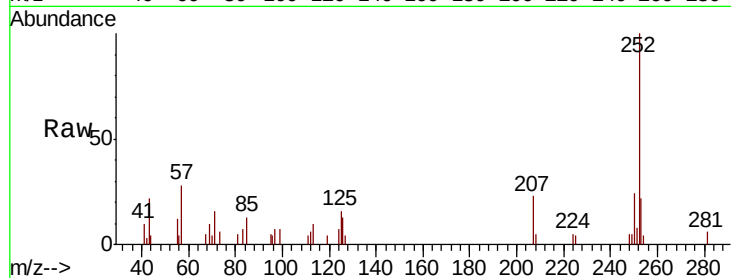
Acq: 28 Nov 2018 17:52

Instrument :

BNA_F

ClientSampleId :

20180945-COMPOSITE-4



Tgt Ion:	252	Resp:	19559
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	15.9	7.4	11.0

