

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111927.D
 Acq On : 9 Jan 2019 00:23
 Operator : JU/SJ
 Sample : K1044-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 01:00:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	122494	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	416480	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	215361	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	351415	20.00	ng	0.00
76) Chrysene-d12	14.07	240	256519	20.00	ng	0.02
87) Perylene-d12	15.56	264	201273	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	350633	48.97	ng	0.00
7) Phenol-d6	6.53	99	405410	43.93	ng	0.00
23) Nitrobenzene-d5	7.44	82	220821	28.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	104573	37.33	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	409798	27.75	ng	0.00
79) Terphenyl-d14	13.00	244	402792	29.81	ng	0.00

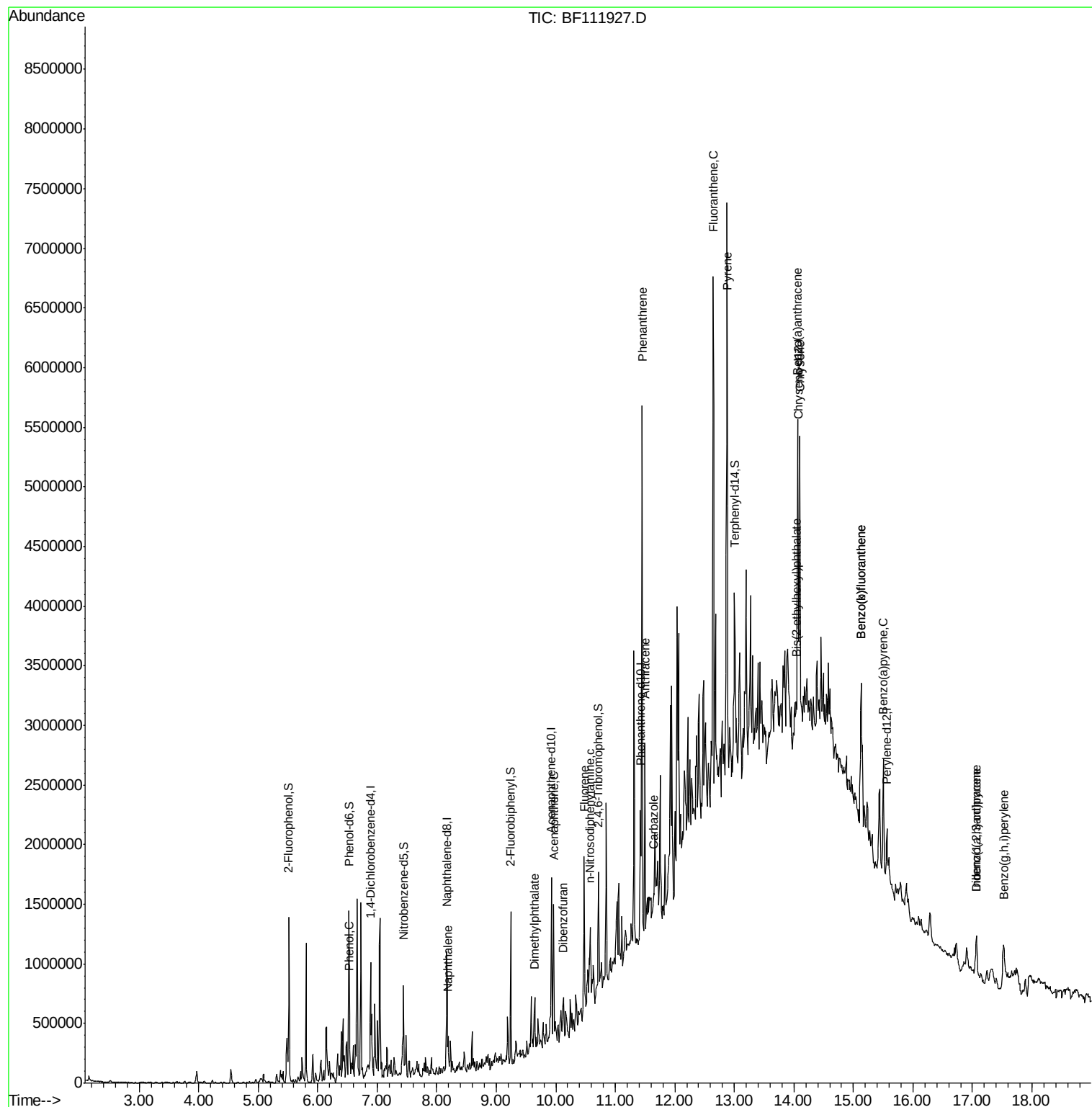
Target Compounds				Qvalue		
10) Phenol	6.54	94	25138	2.506	ng	82
31) Naphthalene	8.19	128	87009	4.401	ng	100
50) Dimethylphthalate	9.63	163	60479	3.738	ng	# 97
52) Acenaphthene	9.96	154	213541	15.847	ng	99
55) Dibenzofuran	10.13	168	51549	2.630	ng	# 92
58) Fluorene	10.47	166	313467	21.982	ng	97
66) n-Nitrosodiphenylamine	10.59	169	24461	2.074	ng	# 79
71) Phenanthrene	11.45	178	1795577	95.569	ng	99
72) Anthracene	11.50	178	599333	31.423	ng	98
73) Carbazole	11.65	167	56185	3.028	ng	# 86
75) Fluoranthene	12.64	202	1963561	101.802	ng	96
78) Pyrene	12.88	202	2425297	137.410	ng	98
81) Benzo(a)anthracene	14.06	228	974352	65.999	ng	98
83) Chrysene	14.10	228	877982	62.373	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	40013	4.083	ng	# 74
86) Indeno(1,2,3-cd)pyrene	17.07	276	237391	23.133	ng	97
88) Benzo(b)fluoranthene	15.13	252	892901	74.161	ng	# 90
89) Benzo(k)fluoranthene	15.13	252	892901	78.896	ng	# 92
90) Benzo(a)pyrene	15.50	252	522651	49.370	ng	# 96
91) Dibenzo(a,h)anthracene	17.07	278	66432	7.802	ng	# 89
92) Benzo(g,h,i)perylene	17.52	276	247651	29.737	ng	99

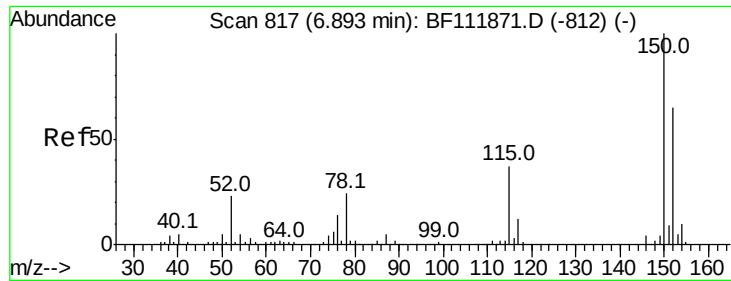
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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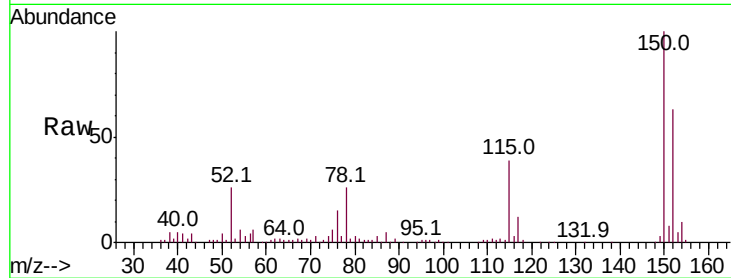


#1

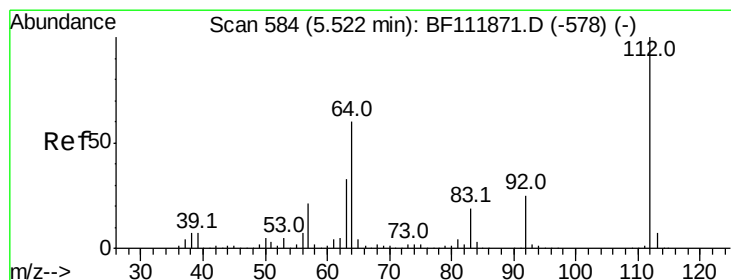
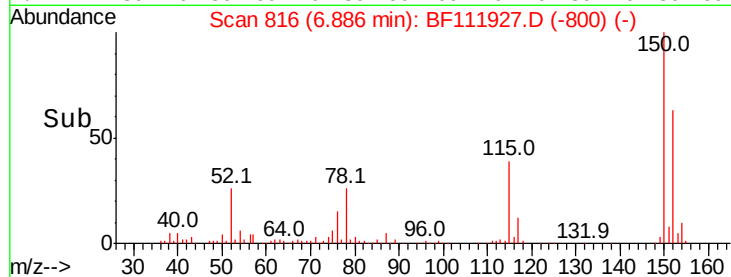
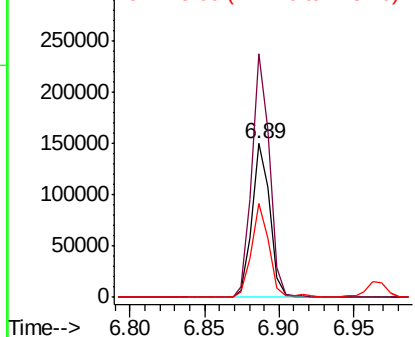
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122494
Ion Ratio Lower Upper
152 100
150 158.6 122.7 184.1
115 61.1 45.2 67.8



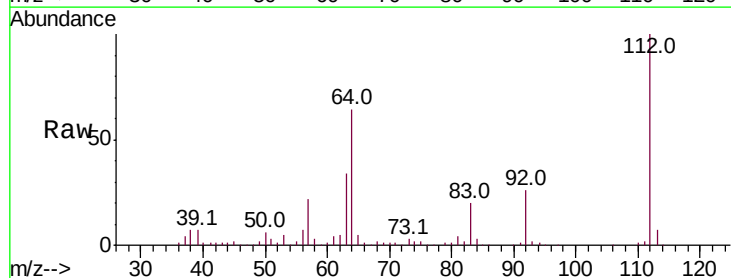
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



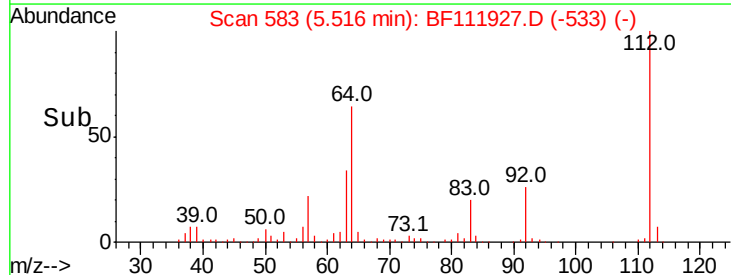
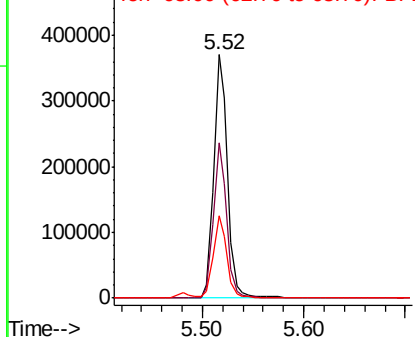
#5

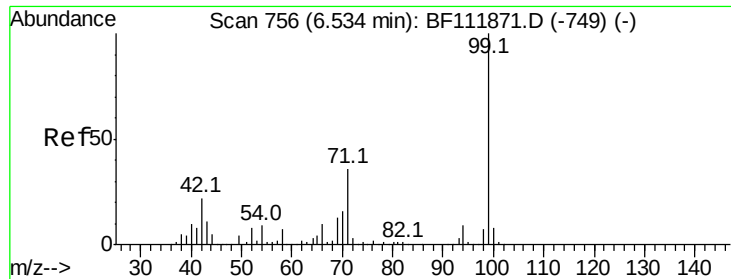
2-Fluorophenol
Concen: 48.971 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion:112 Resp: 350633
Ion Ratio Lower Upper
112 100
64 64.0 48.3 72.5
63 33.9 26.1 39.1



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: 43.931 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

ClientSampleId :

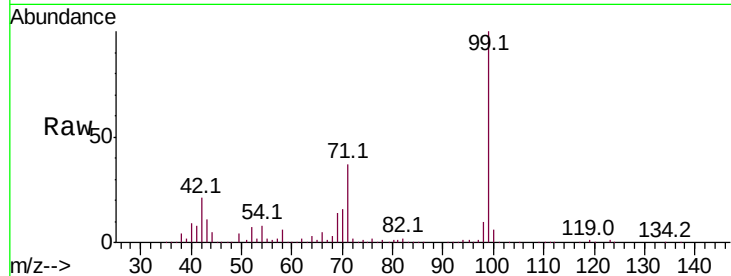
Tot Ion: 99 Resp: 405410

Ion Ratio Lower Upper

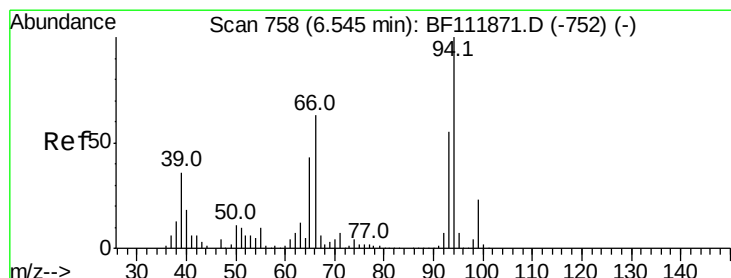
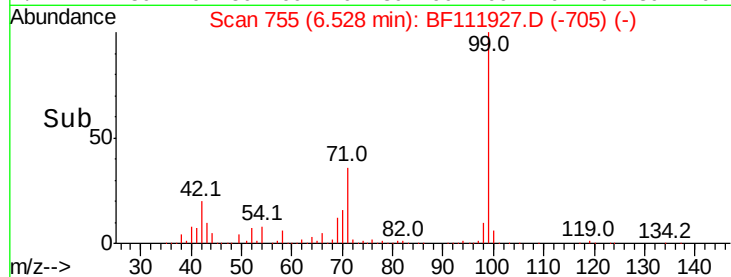
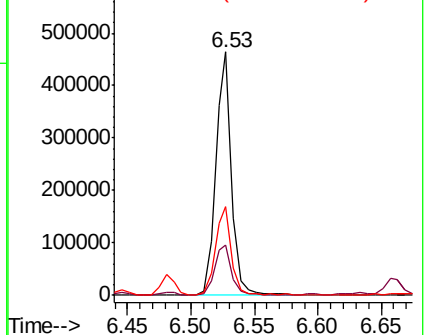
99 100

42 20.9 17.9 26.9

71 36.6 28.7 43.1



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: 2.506 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

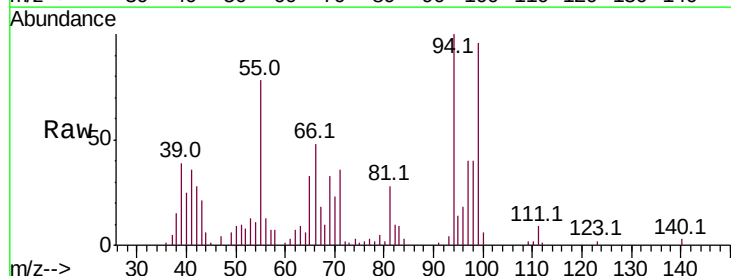
Tgt Ion: 94 Resp: 25138

Ion Ratio Lower Upper

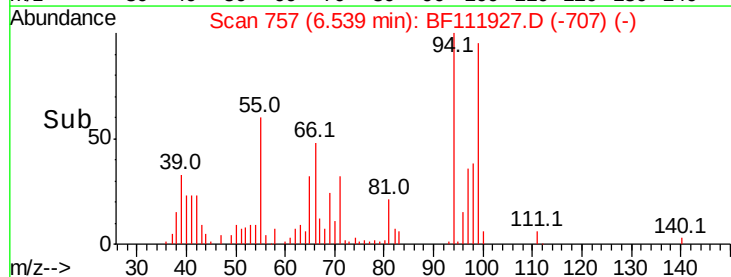
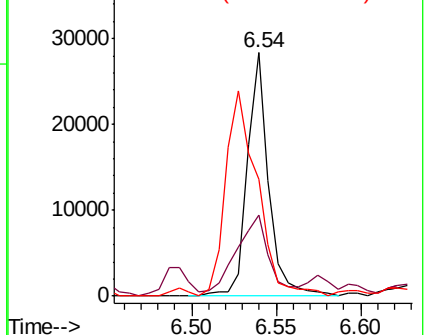
94 100

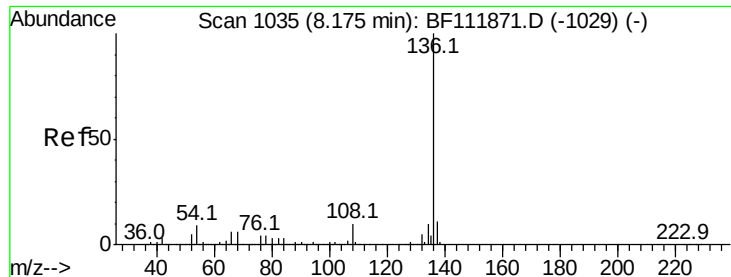
65 33.1 22.8 62.8

66 47.9 43.3 83.3



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

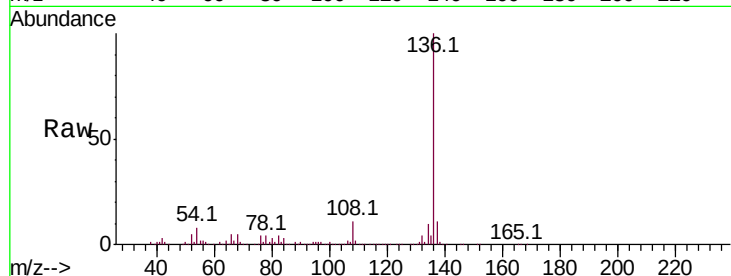




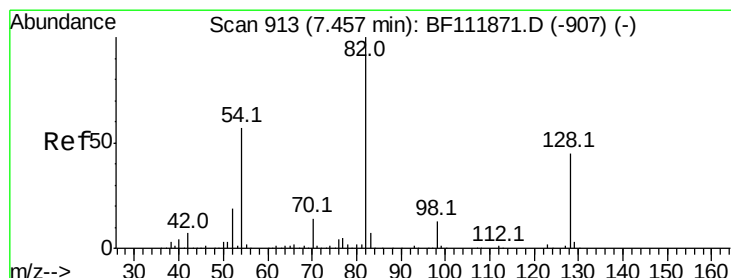
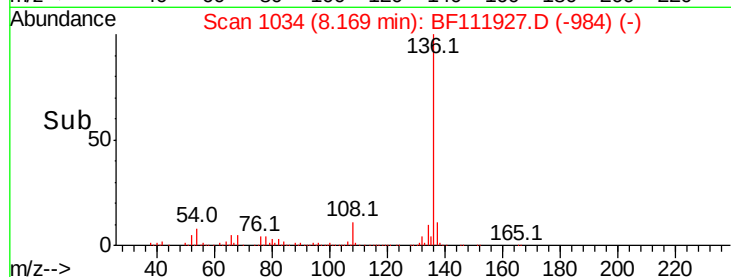
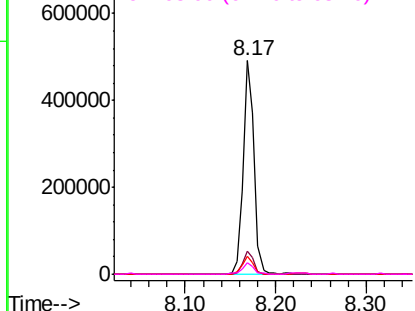
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	416480
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.1 13.7
54	8.3	7.2 10.8
68	5.3	4.4 6.6

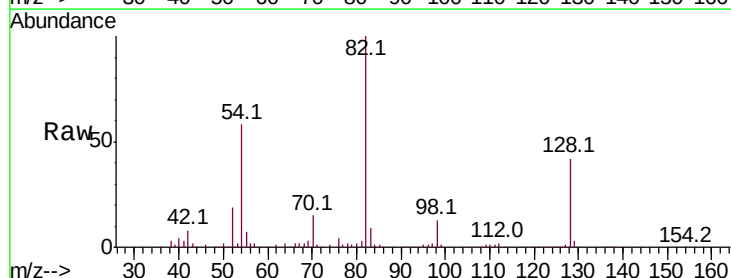


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

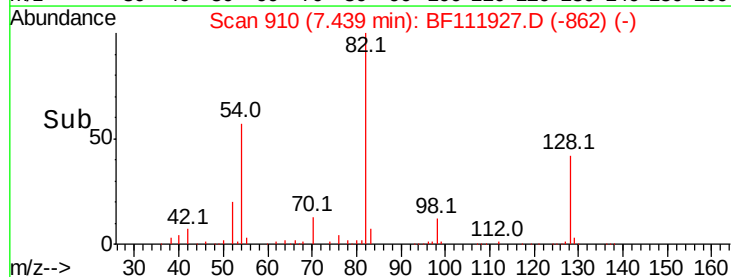
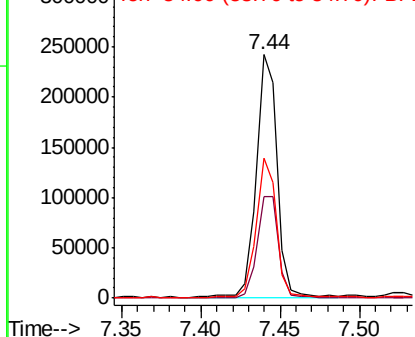


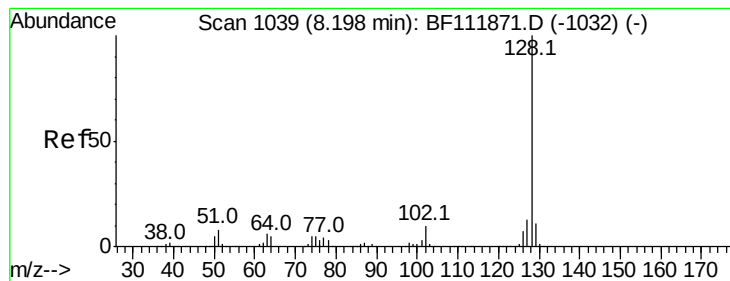
#23
Nitrobenzene-d5
Concen: 28.337 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion: 82	Resp:	220821
Ion	Ratio	Lower Upper
82	100	
128	41.5	35.7 53.5
54	57.5	45.8 68.8



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





#31

Naphthalene

Concen: 4.401 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

ClientSampled :

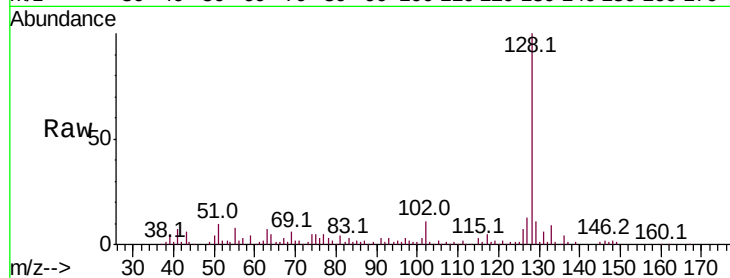
Tot Ion:128 Resp: 87009

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

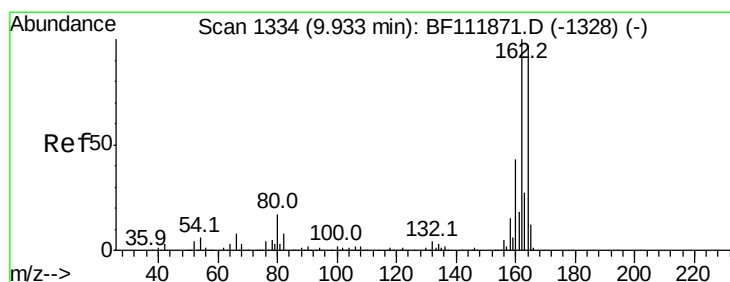
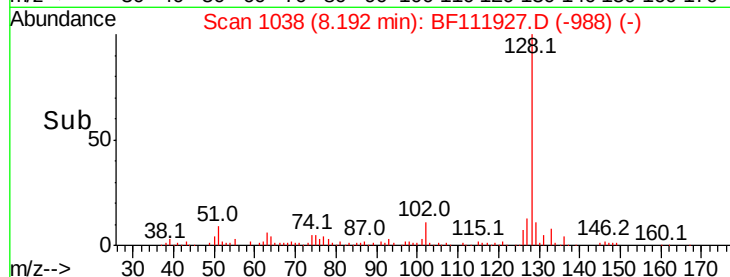
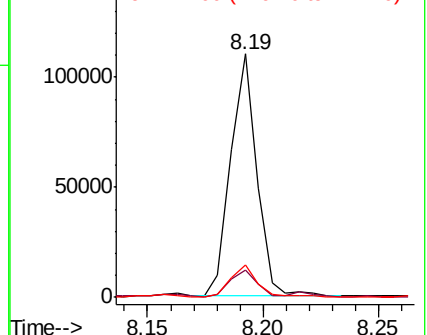
127 13.5 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

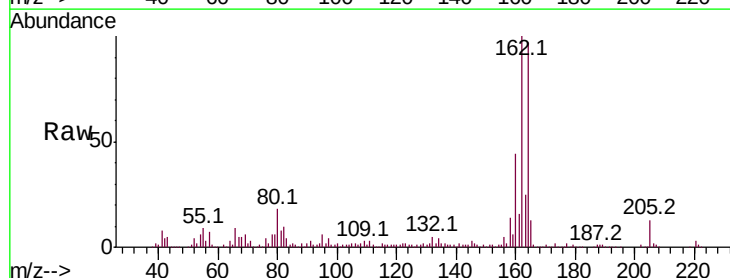
Tgt Ion:164 Resp: 215361

Ion Ratio Lower Upper

164 100

162 102.8 82.2 123.2

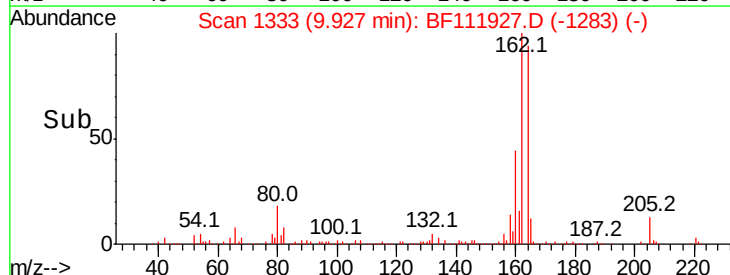
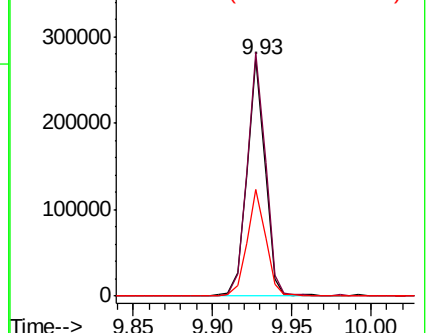
160 44.8 35.5 53.3

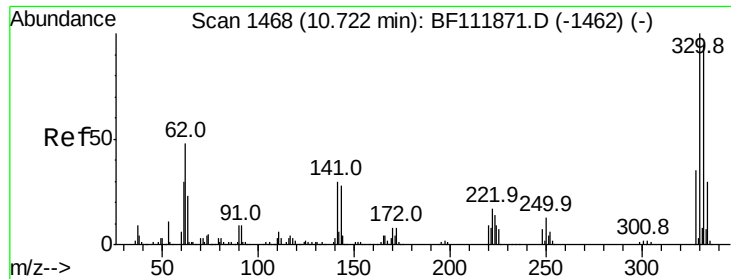


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

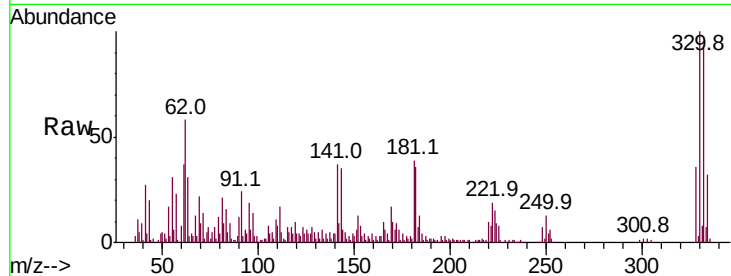




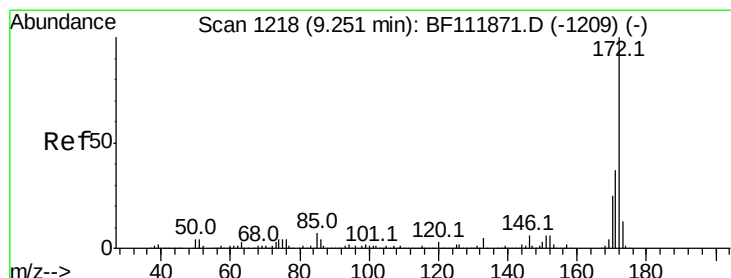
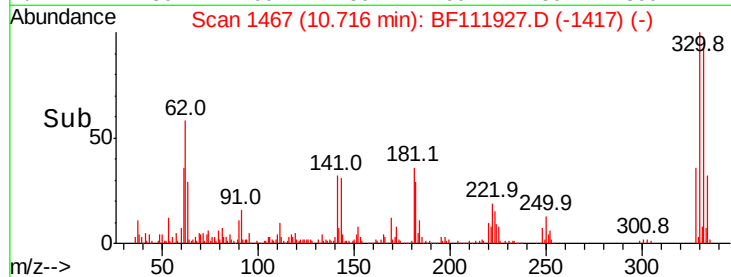
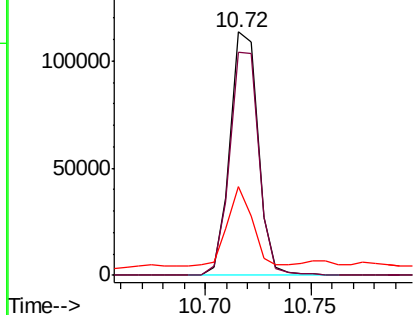
#42
 2,4,6-Tribromophenol
 Concen: 37.332 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 104573
 Ion Ratio Lower Upper
 330 100
 332 94.6 76.9 115.3
 141 30.2 23.7 35.5

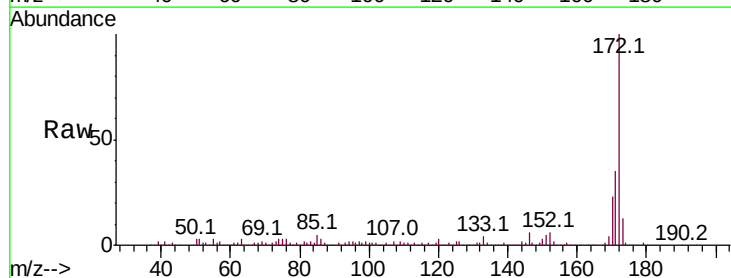


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

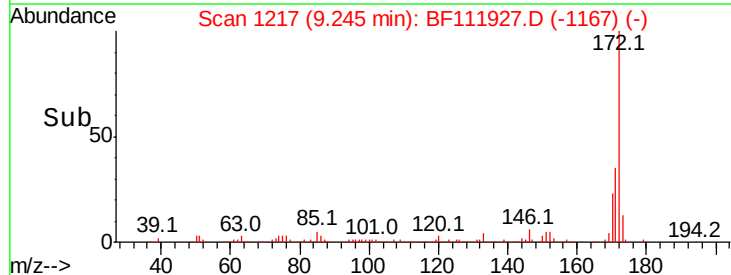
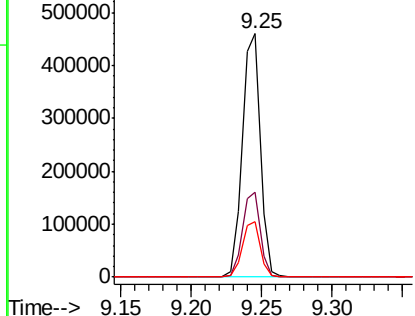


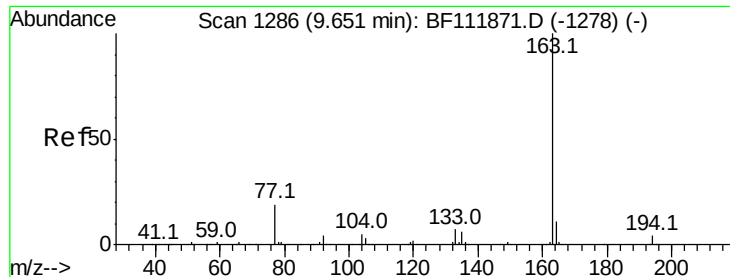
#45
 2-Fluorobiphenyl
 Concen: 27.747 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Tgt Ion:172 Resp: 409798
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 22.8 19.8 29.8



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

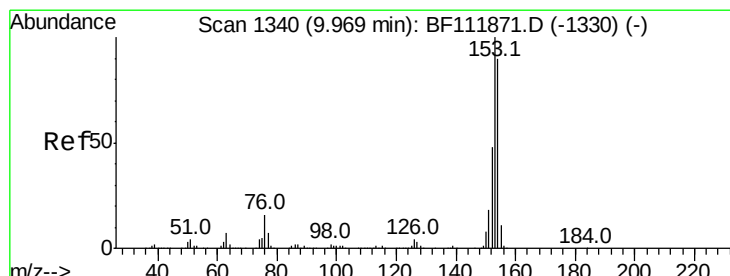
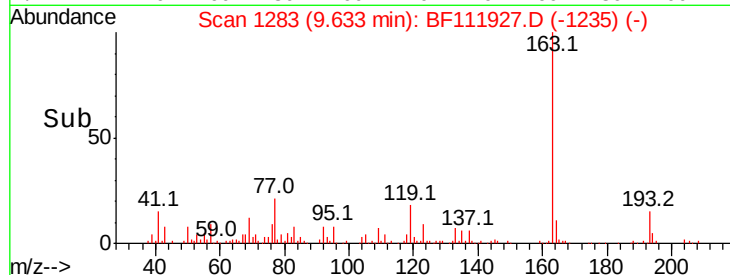
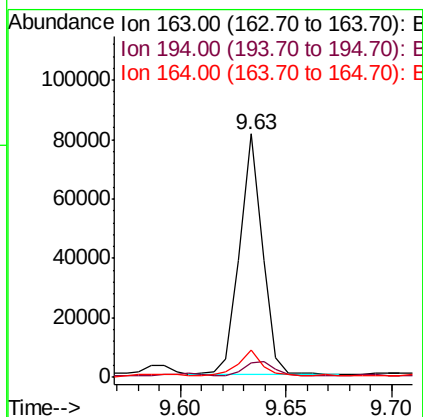
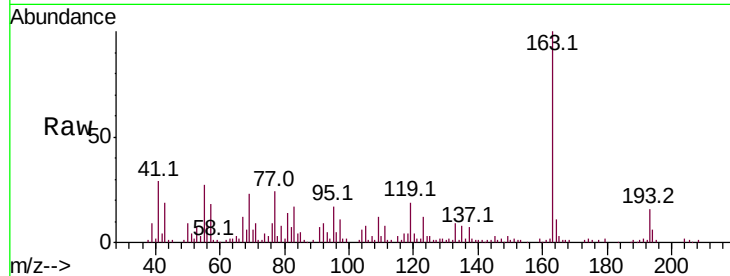




#50
Dimethylphthalate
Concen: 3.738 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

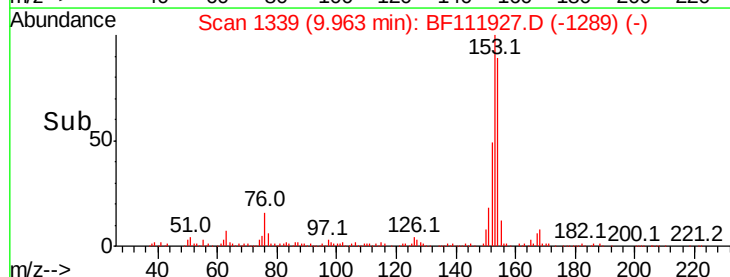
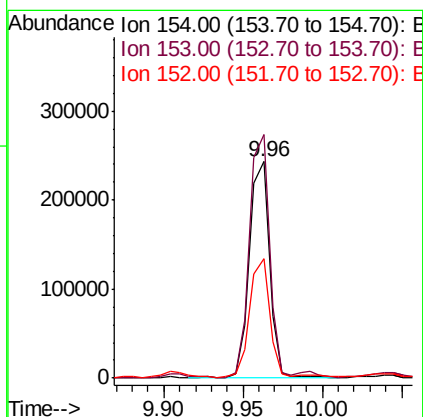
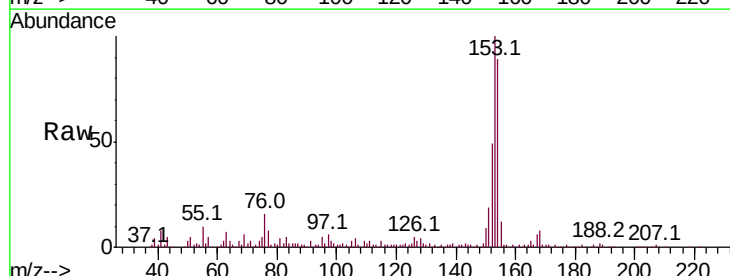
Instrument :
BNA_F
ClientSampled :

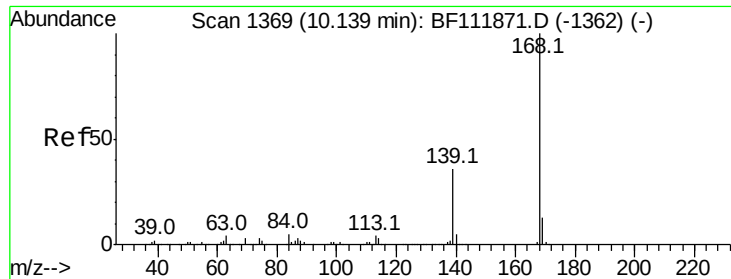
Tot Ion	Ratio	Lower	Upper
163	100		
194	6.0	3.4	5.2#
164	11.4	8.5	12.7



#52
Acenaphthene
Concen: 15.847 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.4	134.0
152	55.2	43.1	64.7

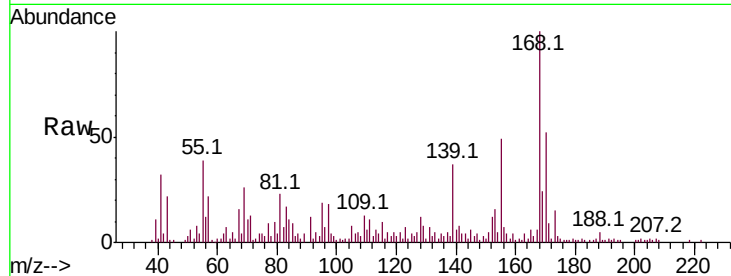




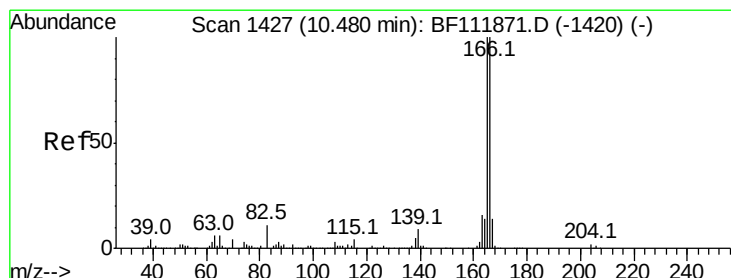
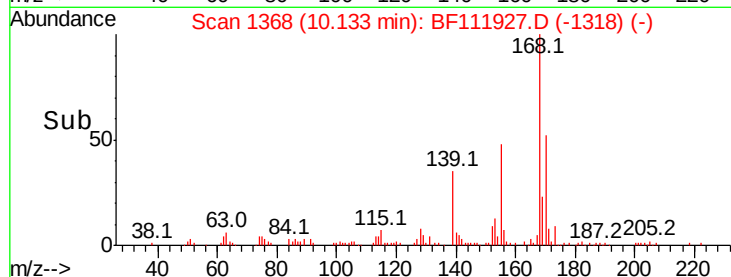
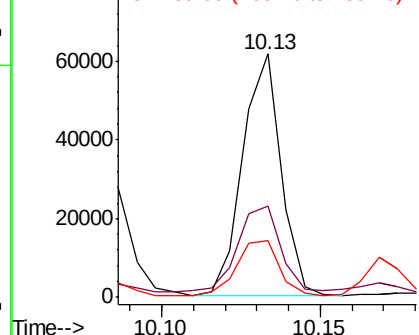
#55
Dibenzofuran
Concen: 2.630 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 51549
Ion Ratio Lower Upper
168 100
139 37.5 29.3 43.9
169 23.5 10.6 16.0#

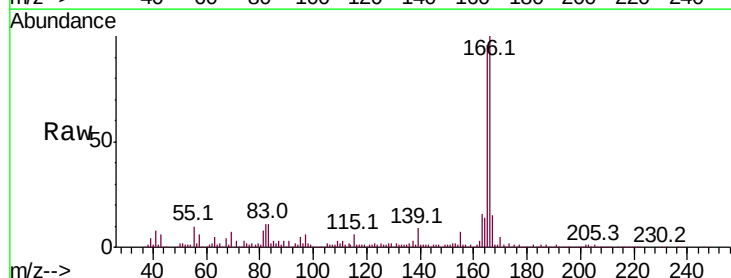


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

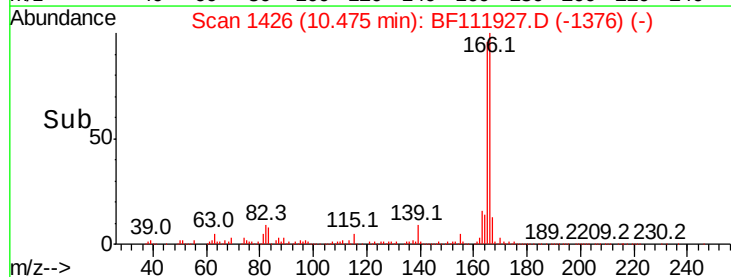
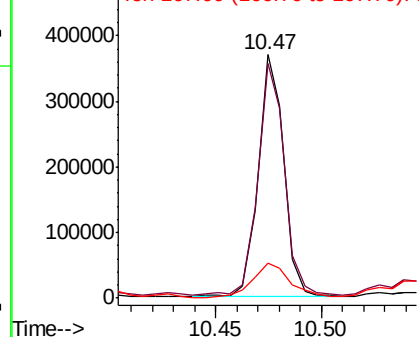


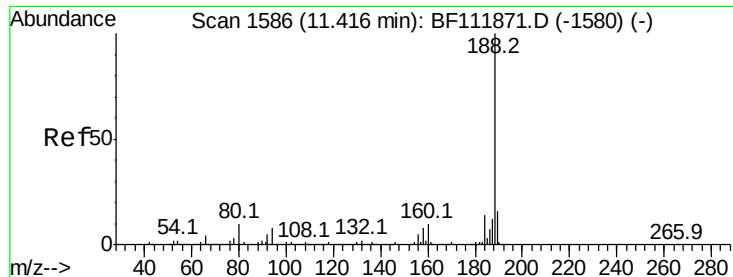
#58
Fluorene
Concen: 21.982 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion:166 Resp: 313467
Ion Ratio Lower Upper
166 100
165 96.3 79.7 119.5
167 14.5 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

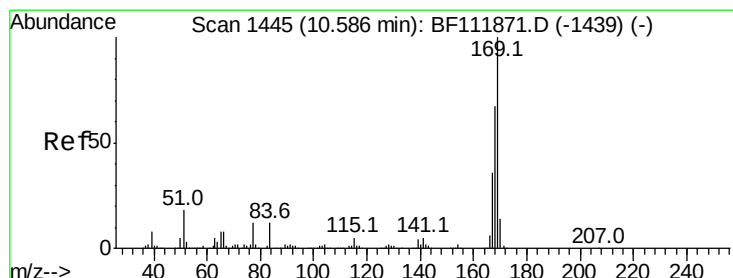
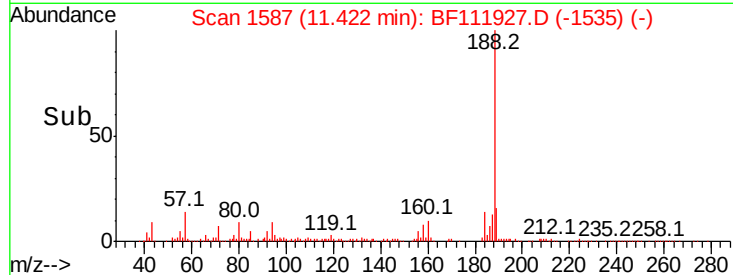
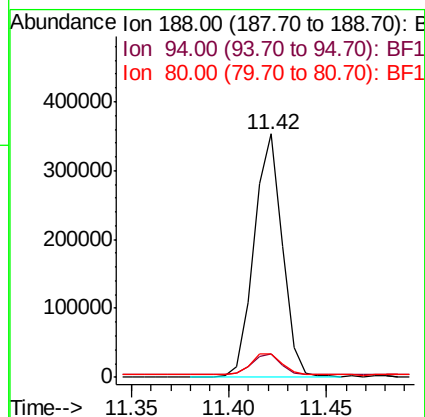
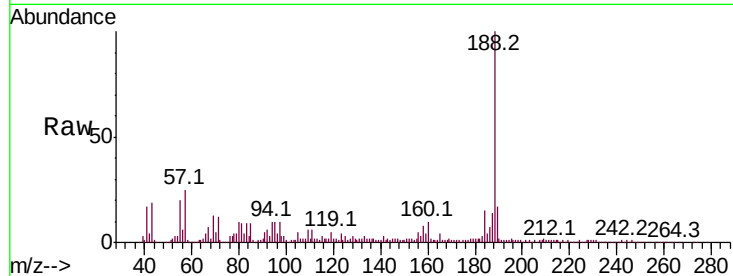




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

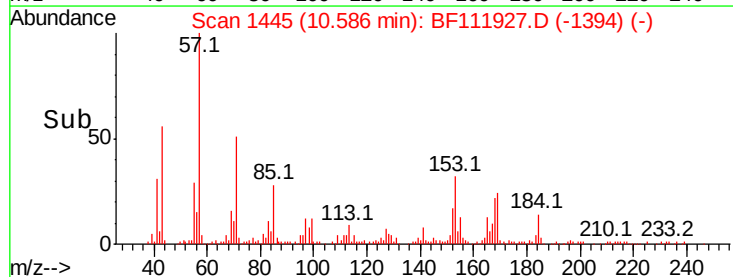
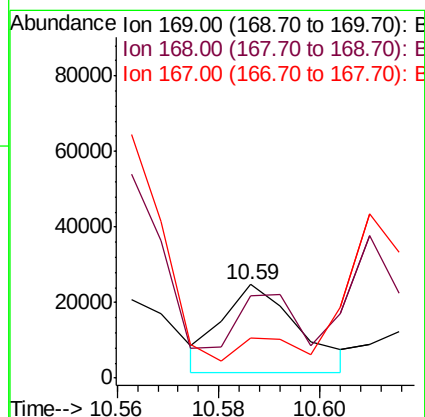
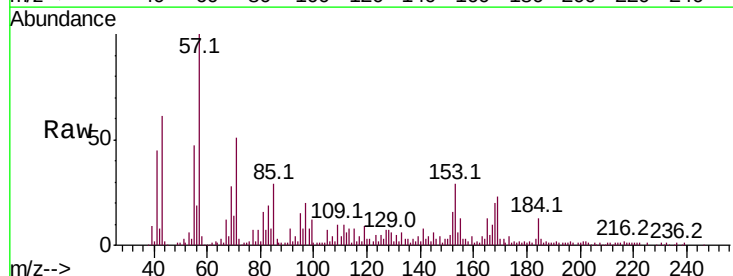
Instrument :
BNA_F
ClientSampleId :

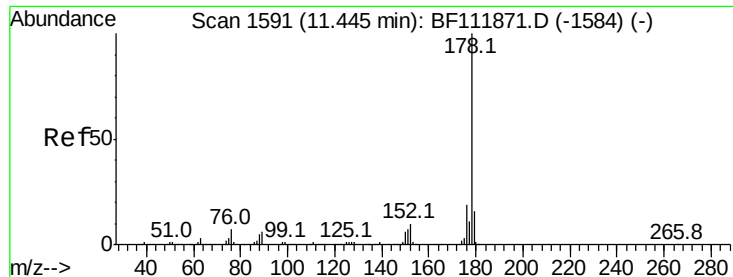
Tot Ion:188 Resp: 351415
Ion Ratio Lower Upper
188 100
94 9.6 6.6 10.0
80 9.7 7.7 11.5



#66
n-Nitrosodiphenylamine
Concen: 2.074 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion:169 Resp: 24461
Ion Ratio Lower Upper
169 100
168 88.5 53.8 80.6#
167 43.6 29.1 43.7

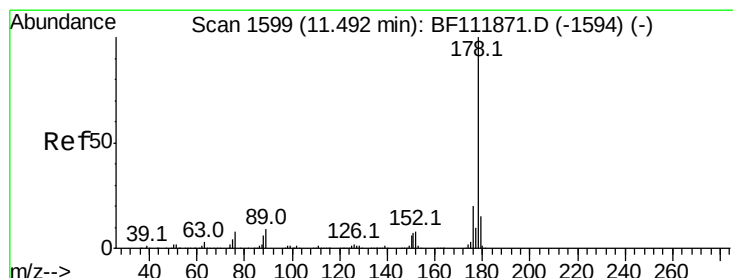
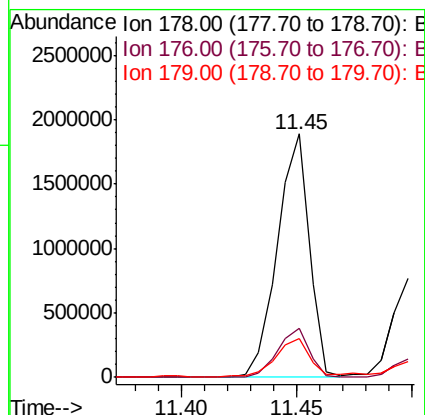
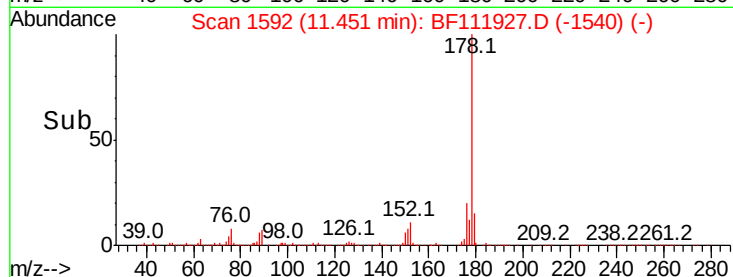
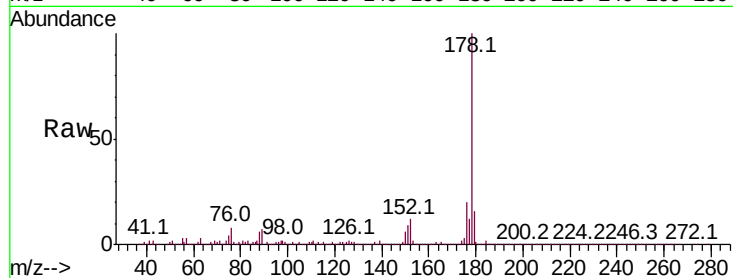




#71
Phenanthrene
Concen: 95.569 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

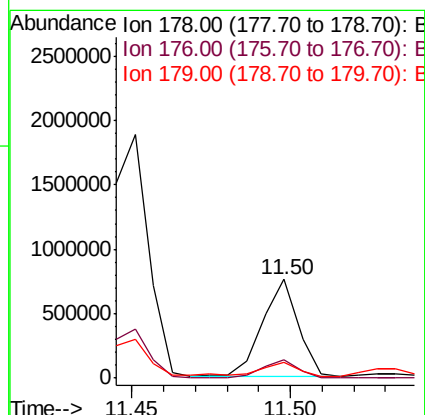
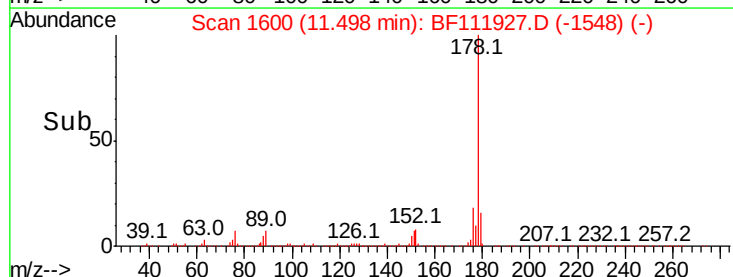
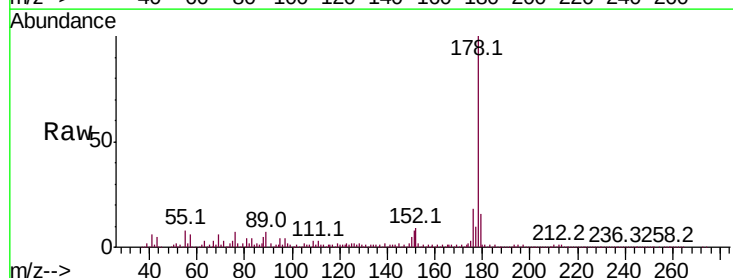
Instrument :
BNA_F
ClientSampleId :

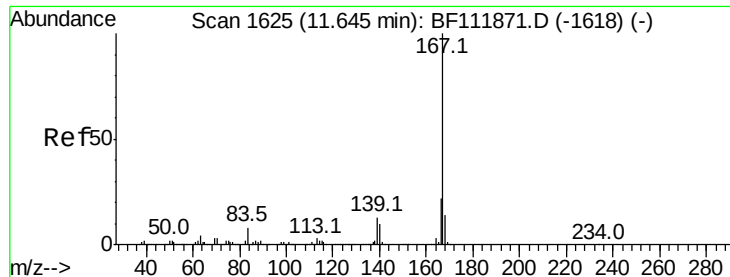
Tot Ion:178 Resp: 1795577
Ion Ratio Lower Upper
178 100
176 20.4 15.6 23.4
179 16.0 12.6 18.8



#72
Anthracene
Concen: 31.423 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion:178 Resp: 599333
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 16.1 12.4 18.6

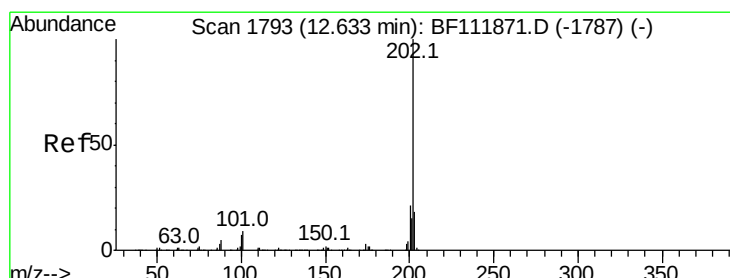
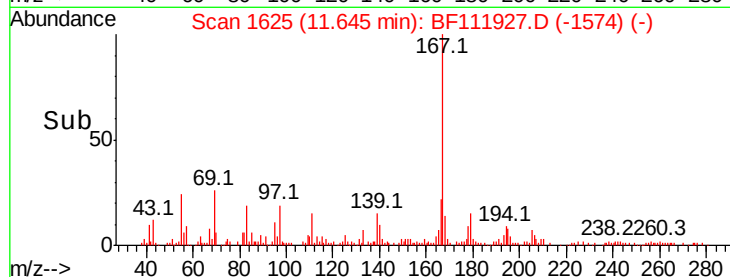
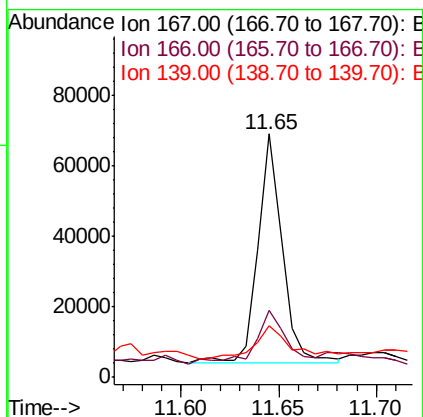
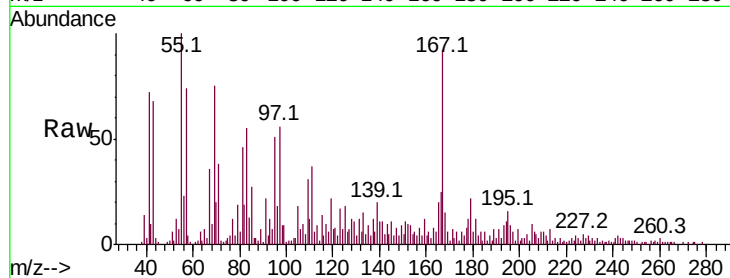




#73
 Carbazole
 Concen: 3.028 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

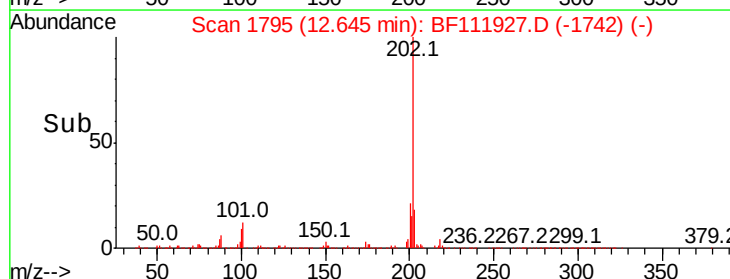
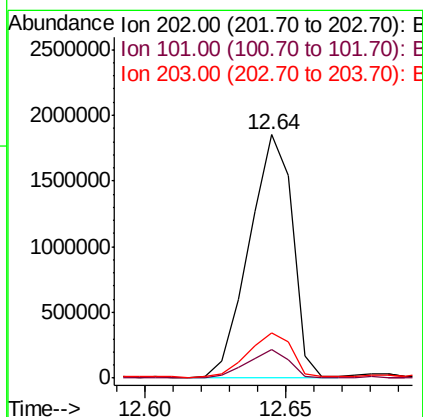
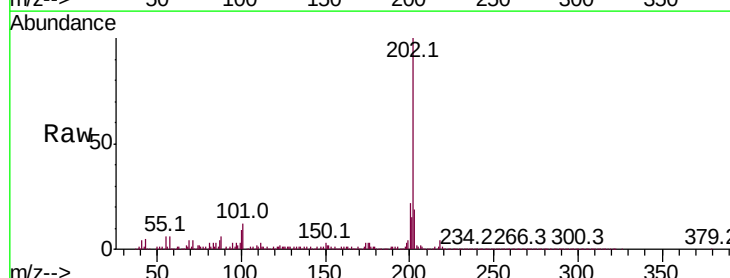
Instrument :
 BNA_F
 ClientSampleId :

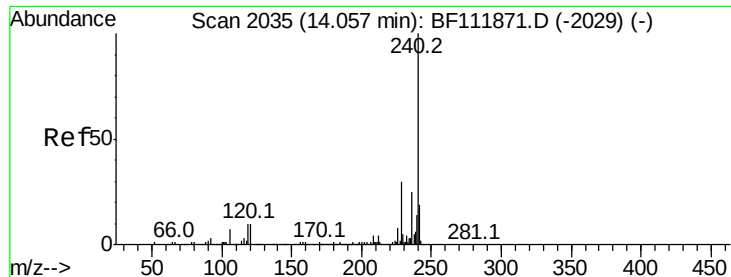
Tot Ion	Ratio	Lower	Upper
167	100		
166	27.5	17.8	26.6#
139	21.2	10.6	16.0#



#75
 Fluoranthene
 Concen: 101.802 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. 0.01 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	29.3
203	18.6	0.0	37.6

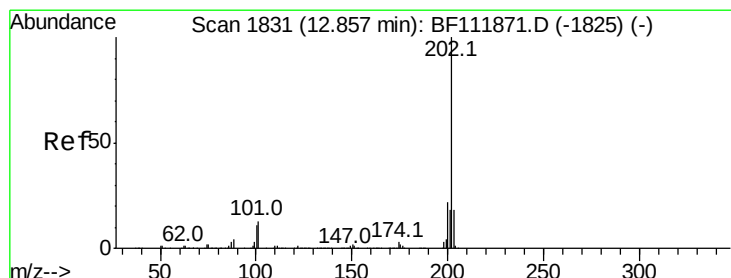
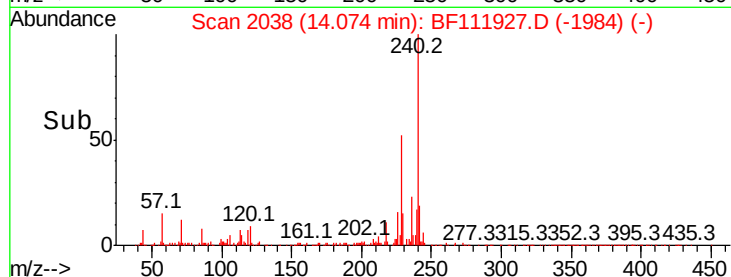
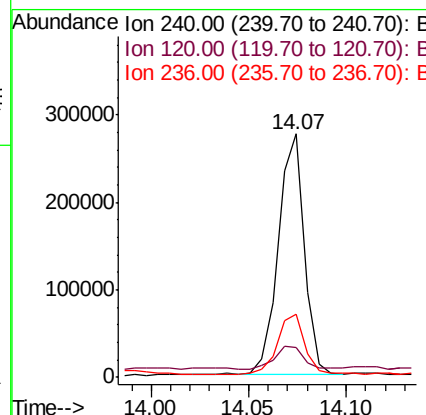
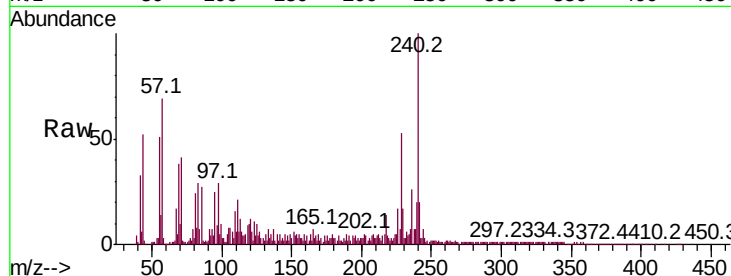




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.02 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

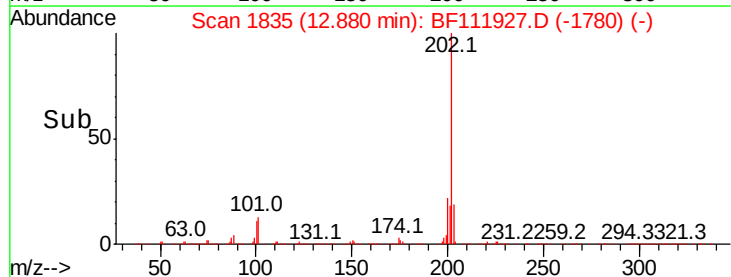
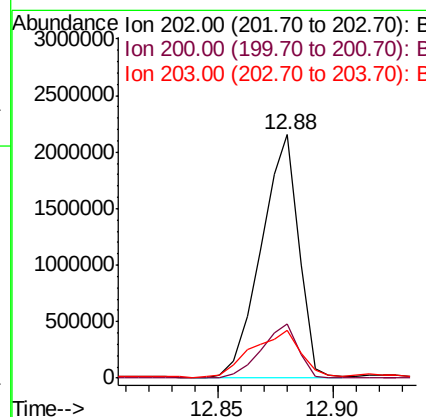
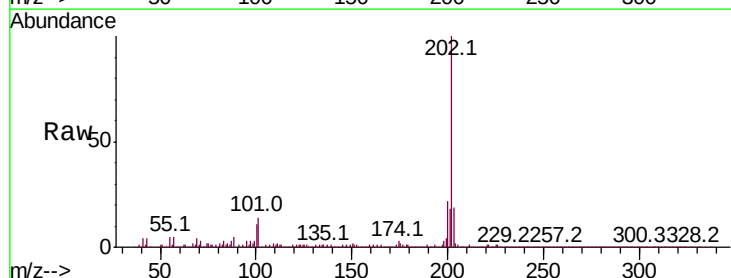
Instrument :
 BNA_F
 ClientSampled :

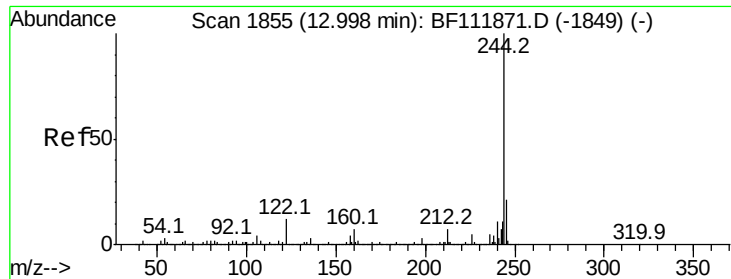
Tot Ion:240 Resp: 256519
 Ion Ratio Lower Upper
 240 100
 120 12.3 8.2 12.2#
 236 26.0 20.2 30.4



#78
 Pyrene
 Concen: 137.410 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. 0.02 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Tgt Ion:202 Resp: 2425297
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.4 26.2
 203 19.4 14.6 21.8

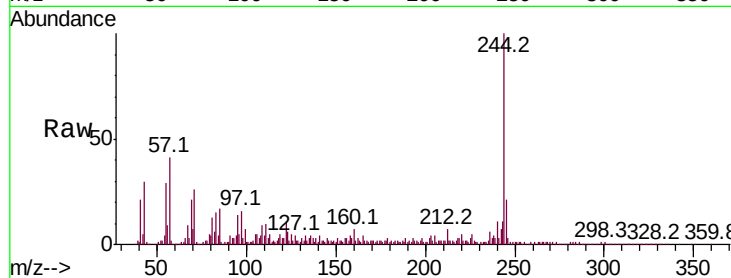




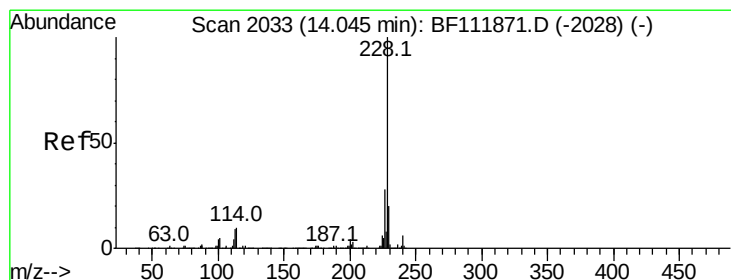
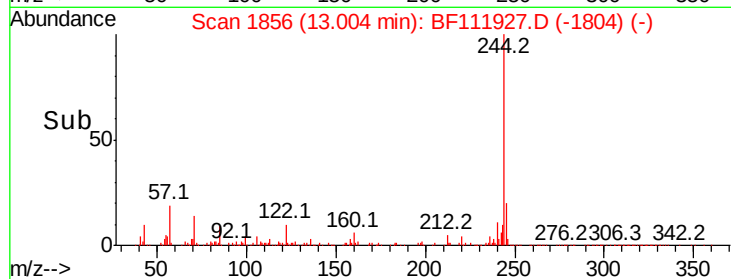
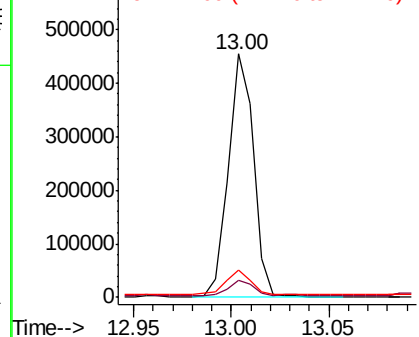
#79
 Terphenyl-d14
 Concen: 29.806 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 402792
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 11.2 9.5 14.3

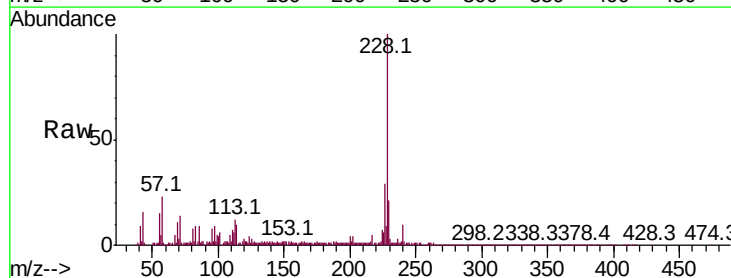


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

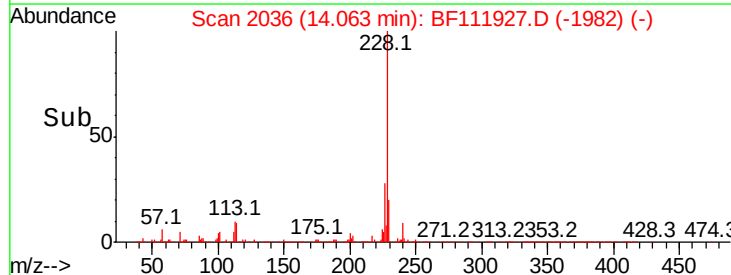
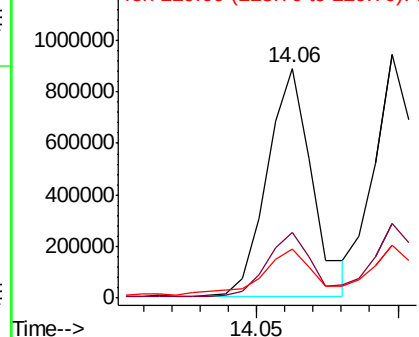


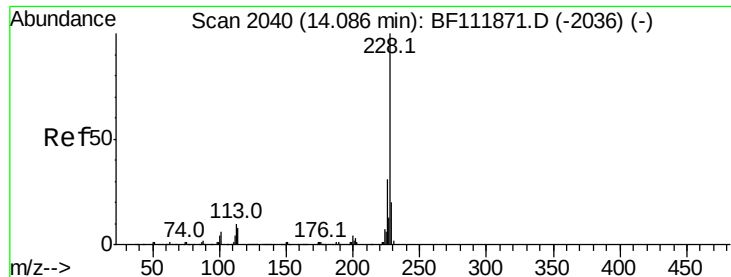
#81
 Benzo(a)anthracene
 Concen: 65.999 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.02 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Tgt Ion:228 Resp: 974352
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.2 33.2
 229 21.4 16.2 24.2



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

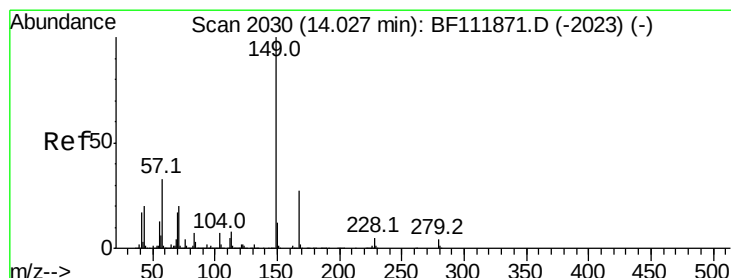
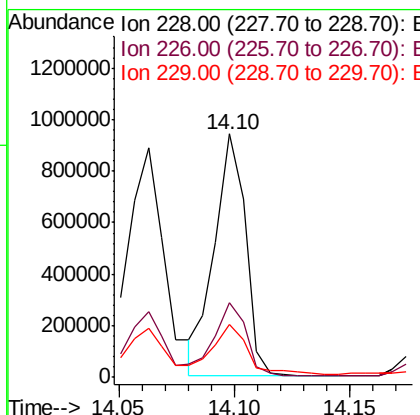
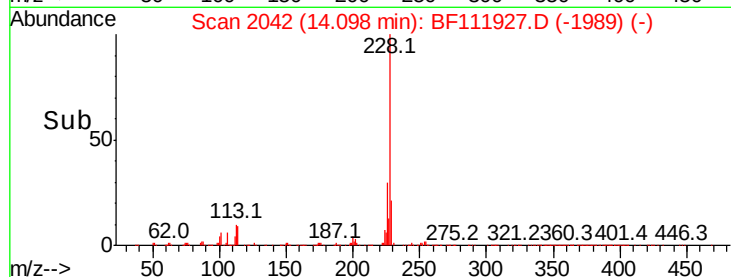
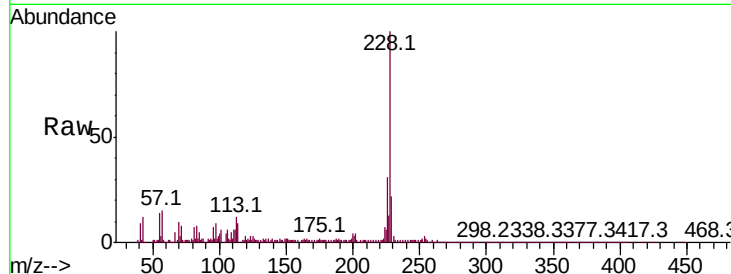




#83
Chrysene
Concen: 62.373 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

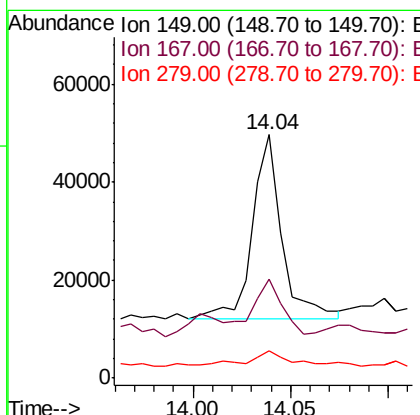
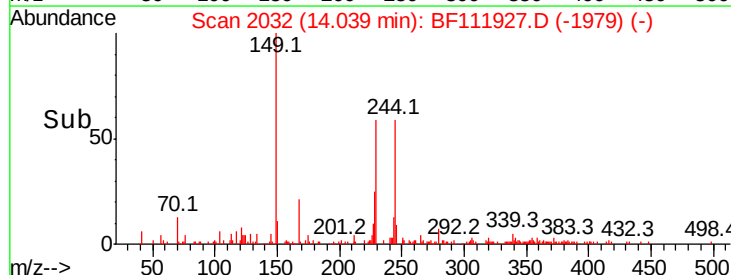
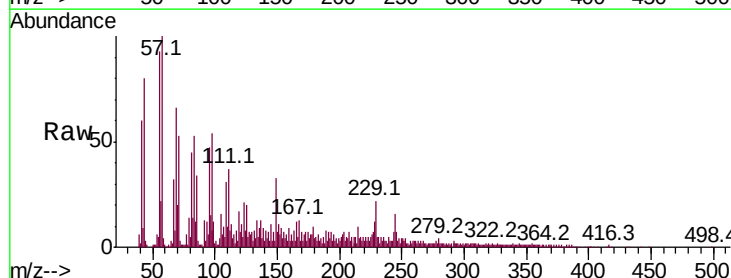
Instrument :
BNA_F
ClientSampleId :

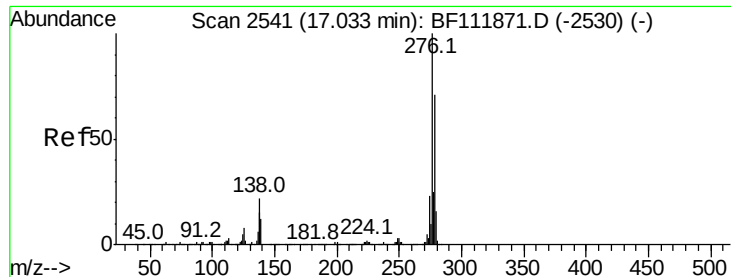
Tot Ion:228 Resp: 877982
Ion Ratio Lower Upper
228 100
226 30.5 24.6 37.0
229 22.0 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.083 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion:149 Resp: 40013
Ion Ratio Lower Upper
149 100
167 40.5 21.5 32.3#
279 11.4 3.0 4.6#

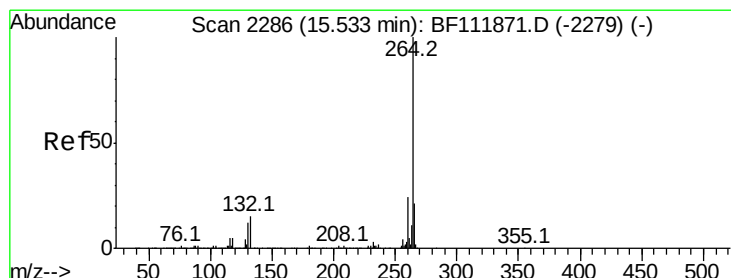
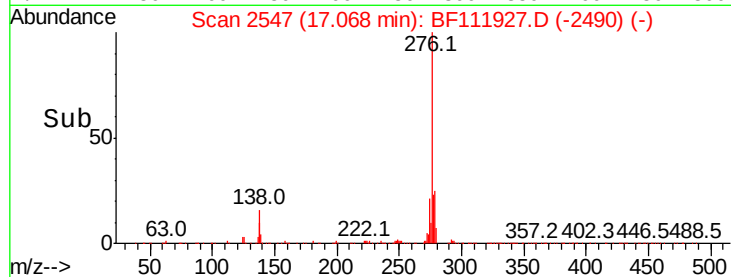
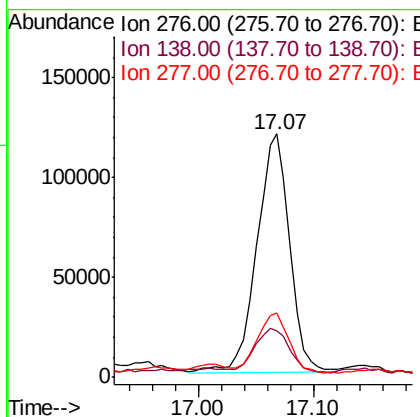
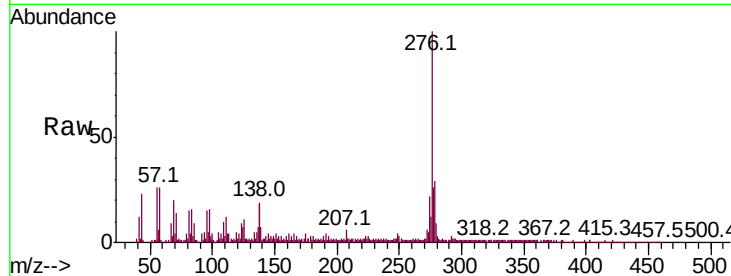




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 23.133 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. 0.04 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

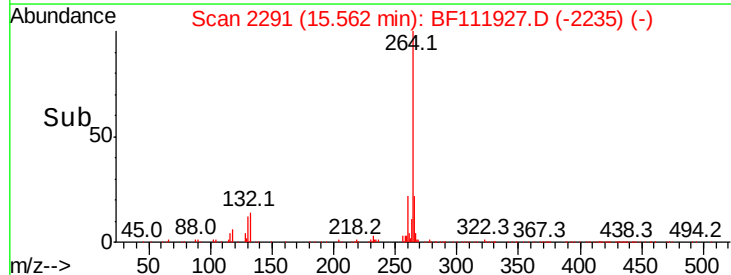
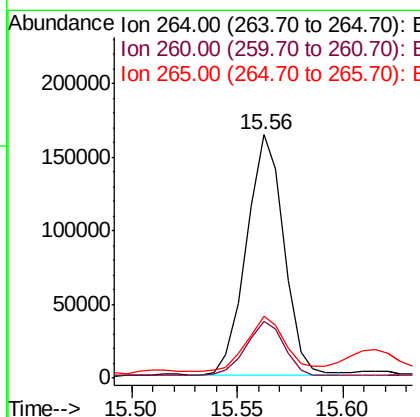
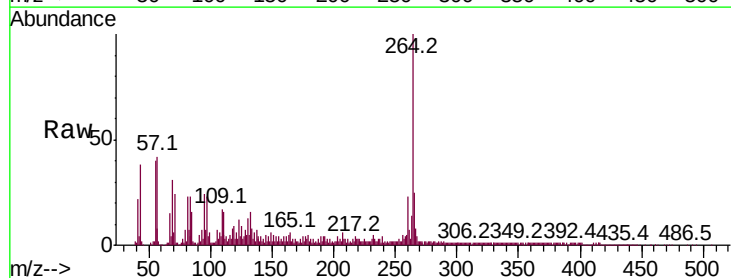
Instrument :
 BNA_F
 ClientSampleId :

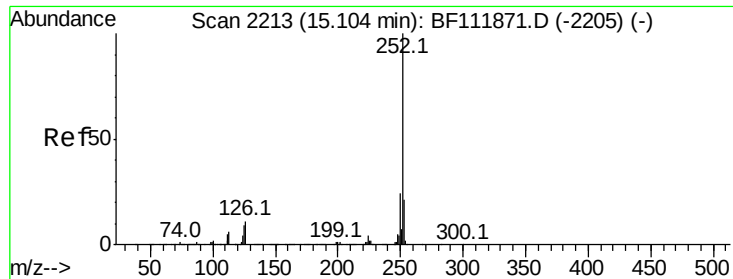
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.1	27.1
277	24.3	19.9	29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.03 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	25.4	17.1	25.7

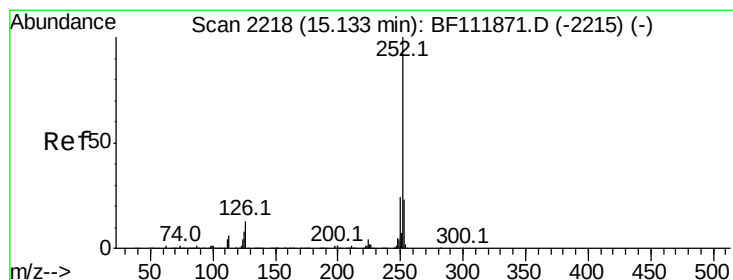
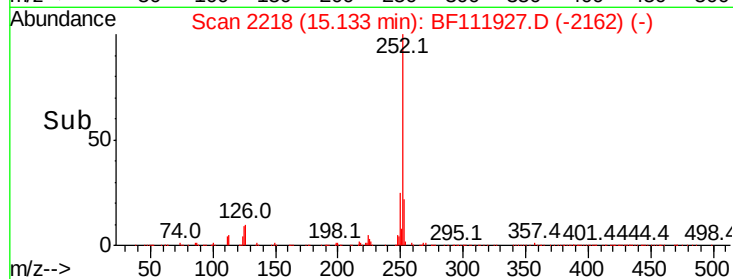
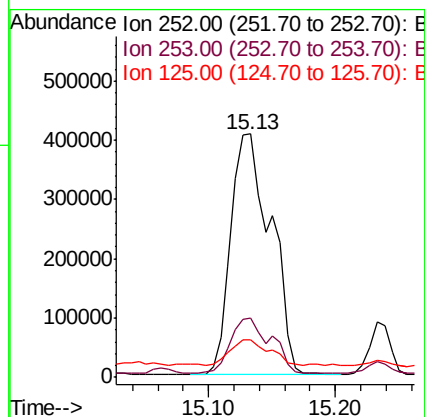
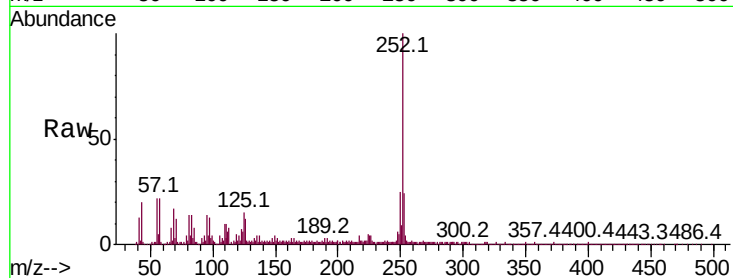




#88
Benzo(b)fluoranthene
Concen: 74.161 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.03 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

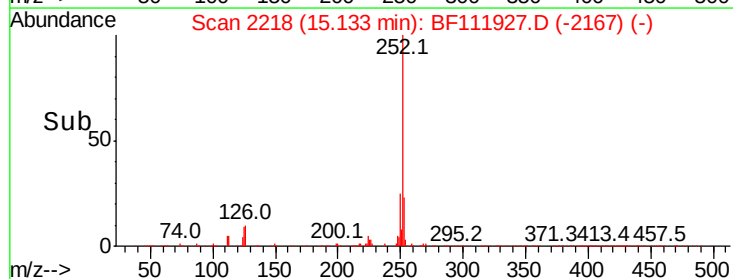
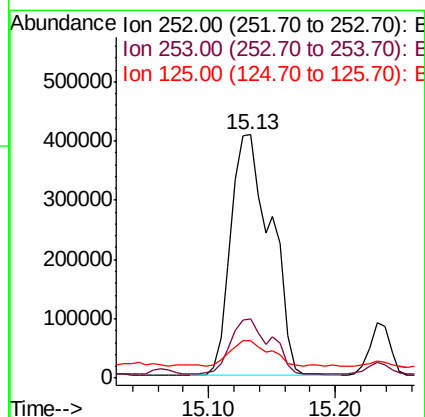
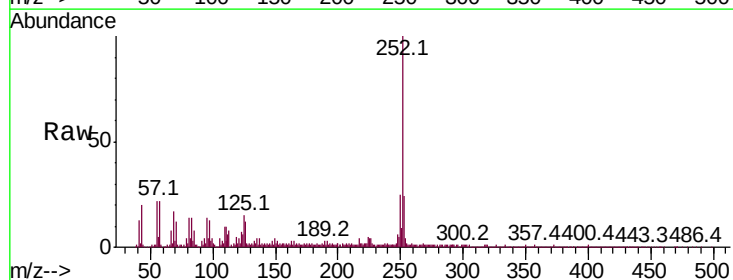
Instrument :
BNA_F
ClientSampleId :

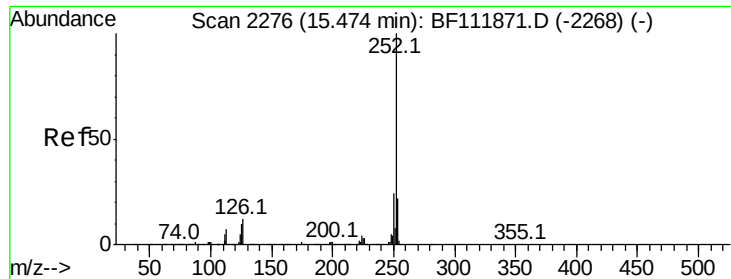
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	15.2	7.1	10.7#



#89
Benzo(k)fluoranthene
Concen: 78.896 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	15.2	7.0	10.4#





#90

Benzo(a)pyrene

Concen: 49.370 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.03 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

ClientSampleId :

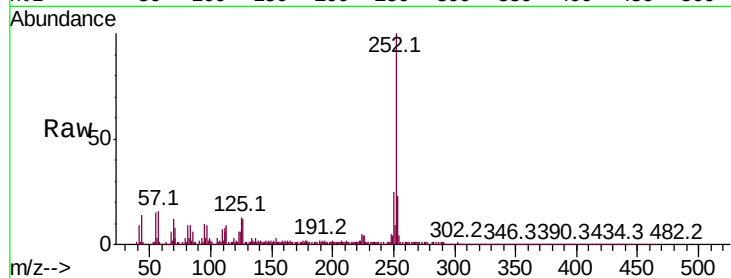
Tot Ion:252 Resp: 522651

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

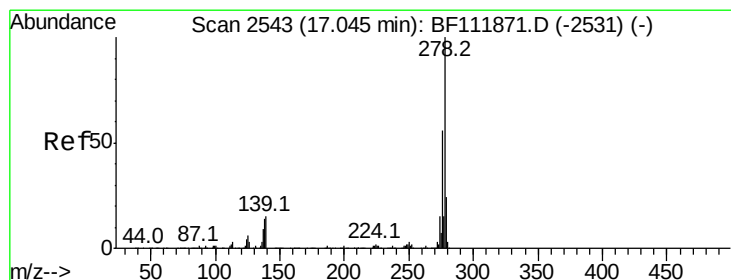
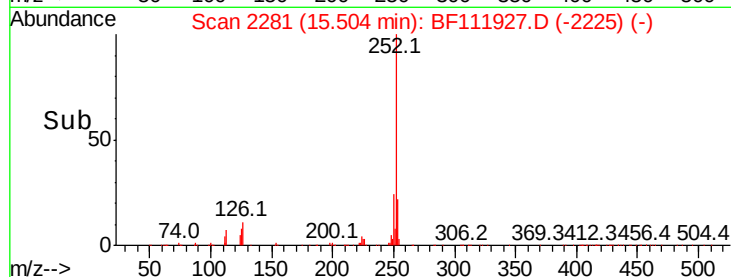
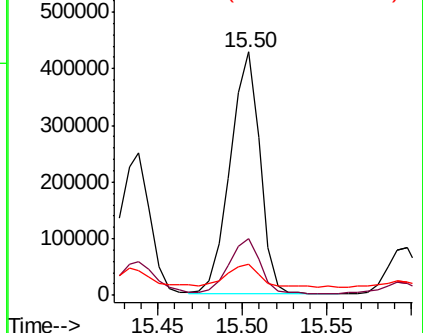
125 12.6 7.9 11.9#



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: 7.802 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.03 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

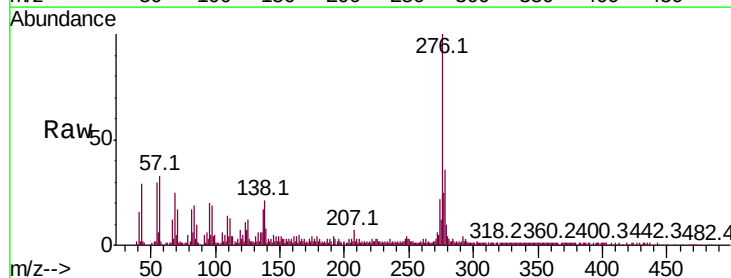
Tgt Ion:278 Resp: 66432

Ion Ratio Lower Upper

278 100

139 21.1 11.8 17.6#

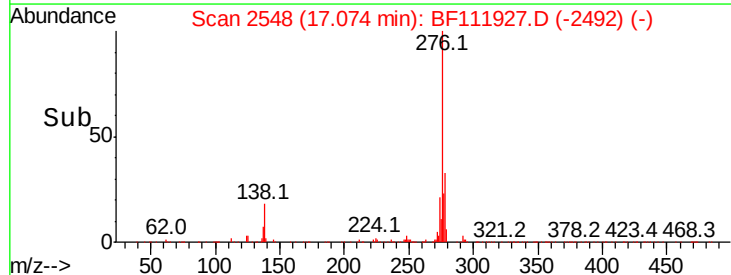
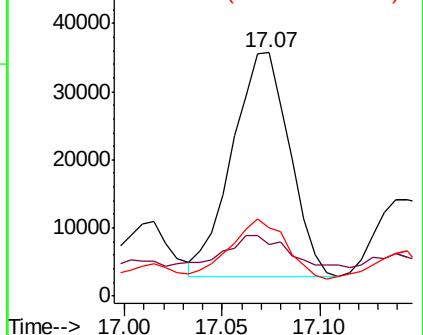
279 28.0 19.4 29.2

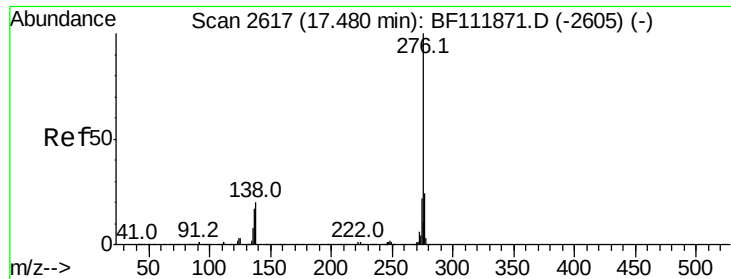


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

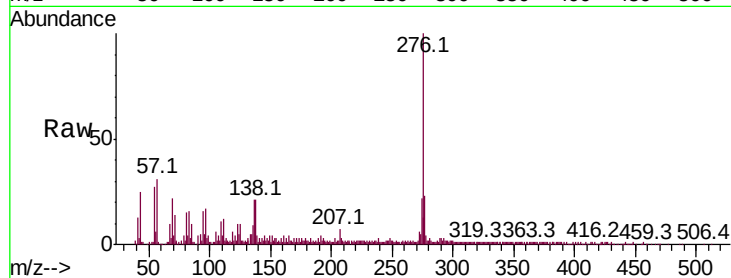




#92
 Benzo(a,h,i)perylene
 Concen: 29.737 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. 0.04 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	20.8	16.2	24.2



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

