

Data Path : U:\HPCHEM1\BNA F\DATA\BF012018\
 Data File : BF102270.D
 Acq On : 20 Jan 2018 17:14
 Operator : SJ/JU
 Sample : J1210-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 01:23:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	148807	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	614913	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	264458	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	353262	20.00	ng	0.01
75) Chrysene-d12	13.90	240	228191	20.00	ng	0.02
86) Perylene-d12	15.32	264	232780	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	843318	80.03	ng	0.00
7) Phenol-d6	6.36	99	1013454	80.61	ng	0.00
23) Nitrobenzene-d5	7.29	82	610382	58.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	168056	72.82	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1047352	61.87	ng	0.00
78) Terphenyl-d14	12.83	244	686376	62.45	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.49	77	19001	2.177	ng	82
10) Phenol	6.37	94	56676	3.989	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	84979	10.314	ng	# 79
25) Isophorone	7.29	82	608103	29.411	ng	# 64
31) Naphthalene	8.03	128	1666066	54.223	ng	99
33) 4-Chloroaniline	8.03	127	229507	17.500	ng	# 35
37) 2-Methylnaphthalene	8.73	142	2058894	101.785	ng	97
45) 1,1'-Biphenyl	9.18	154	546231	23.368	ng	99
46) 2-Chloronaphthalene	9.25	162	56558	3.120	ng	# 47
48) Acenaphthylene	9.62	152	880515	30.609	ng	# 93
49) Dimethylphthalate	9.48	163	138668	6.536	ng	99
50) 2,6-Dinitrotoluene	9.45	165	9352	2.207	ng	# 1
51) Acenaphthene	9.80	154	1028507	58.906	ng	97
53) 2,4-Dinitrophenol	9.81	184	768	9.081	ng	# 1
54) Dibenzofuran	9.97	168	1349071	56.298	ng	94
55) 4-Nitrophenol	9.86	139	21353	5.357	ng	# 31
56) 2,4-Dinitrotoluene	9.96	165	15746	2.965	ng	# 1
57) Fluorene	10.32	166	1931921	116.625	ng	# 97
61) 4-Nitroaniline	10.32	138	22850	4.502	ng	# 26
62) Azobenzene	10.47	77	93600	4.458	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.36	198	1593	6.395	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	75487	5.707	ng	# 35
66) 4-Bromophenyl-phenylether	10.55	248	10825	2.902	ng	# 1
70) Phenanthrene	11.30	178	5764823	279.369	ng	99
71) Anthracene	11.33	178	1288293	61.559	ng	99
72) Carbazole	11.48	167	338112	16.437	ng	98
74) Fluoranthene	12.49	202	3189550	157.103	ng	97
77) Pyrene	12.72	202	3520593	174.540	ng	97
80) Benzo(a)anthracene	13.93	228	1482842	101.849	ng	92
82) Chrysene	13.93	228	1482842	97.676	ng	96
85) Indeno(1,2,3-cd)pyrene	16.71	276	292059	26.432	ng	98
87) Benzo(b)fluoranthene	14.92	252	1181082	77.815	ng	# 95
88) Benzo(k)fluoranthene	14.92	252	1179714	80.572	ng	98
89) Benzo(a)pyrene	15.26	252	742492	54.363	ng	95

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 22 01:23:34 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 19 13:31:35 2018
Response via : Initial Calibration

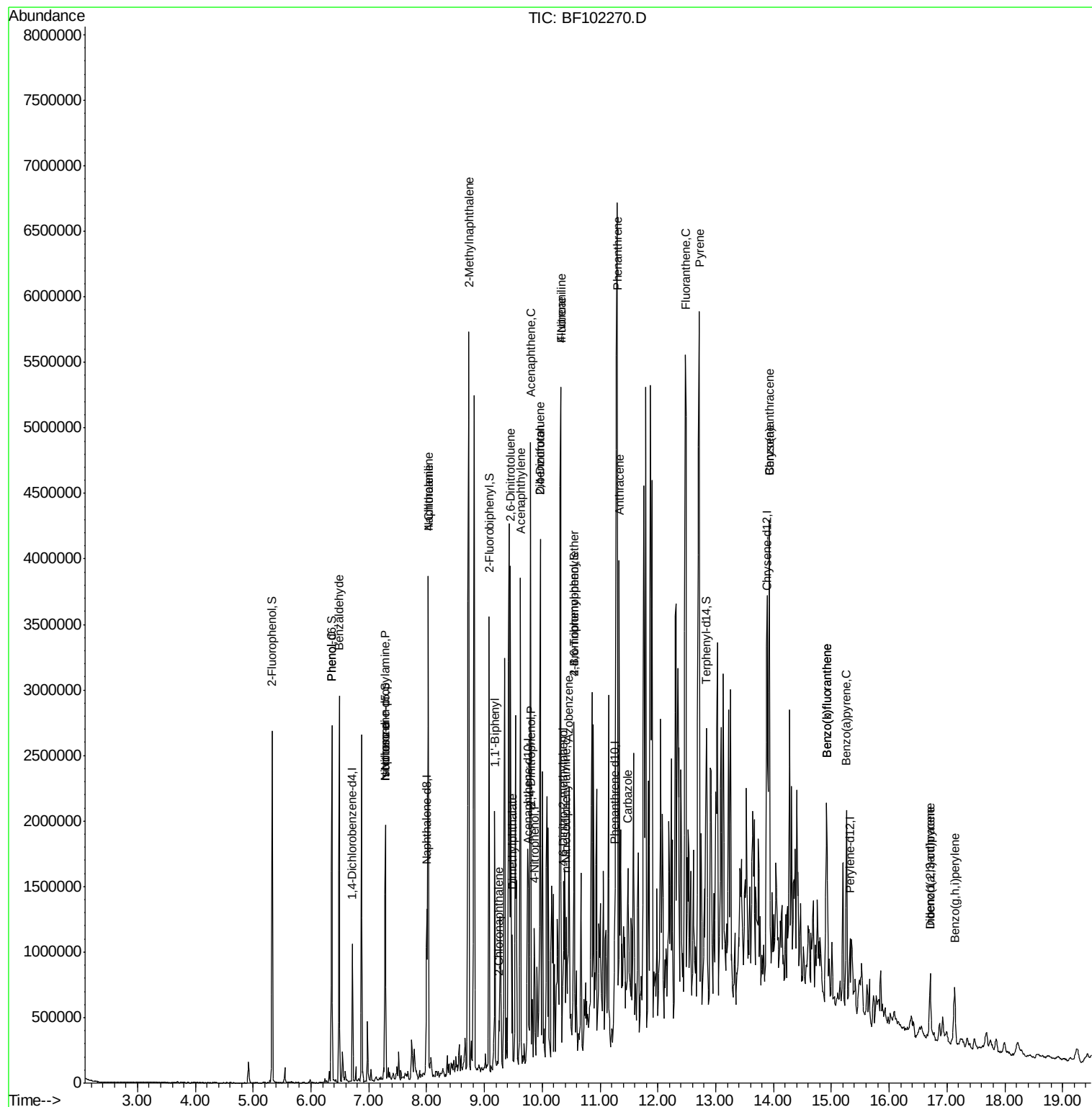
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	16.71	278	100100	9.184	ng	# 83
91) Benzo(g,h,i)perylene	17.13	276	329602	30.020	ng	97

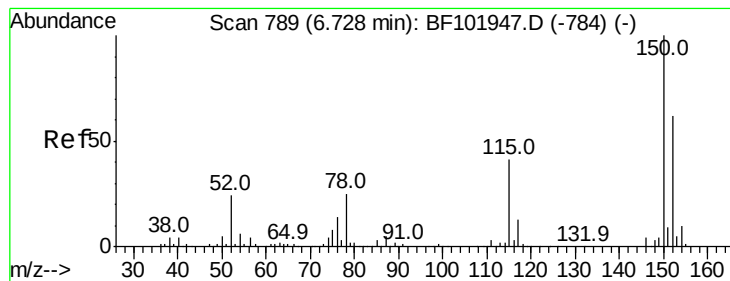
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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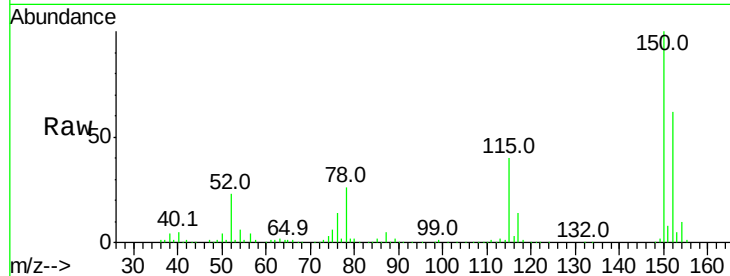


#1

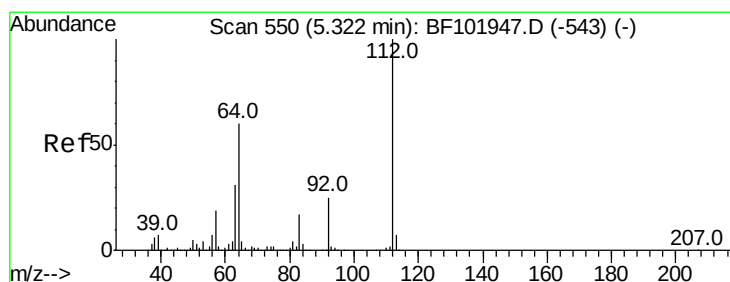
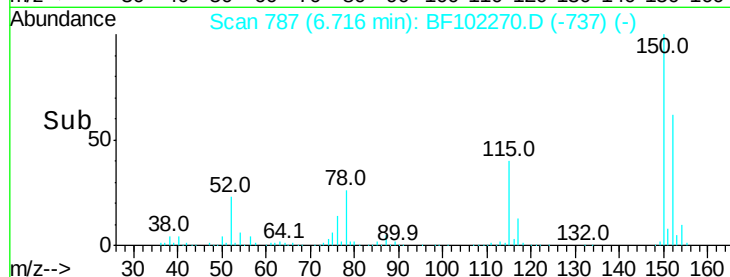
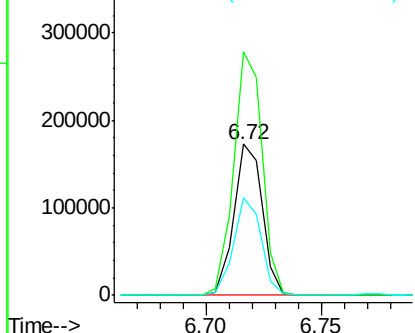
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	64.7	50.1	75.1



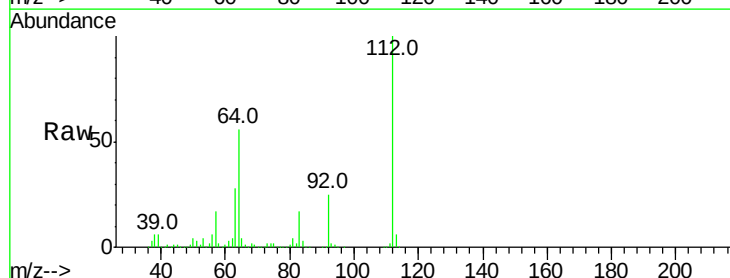
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



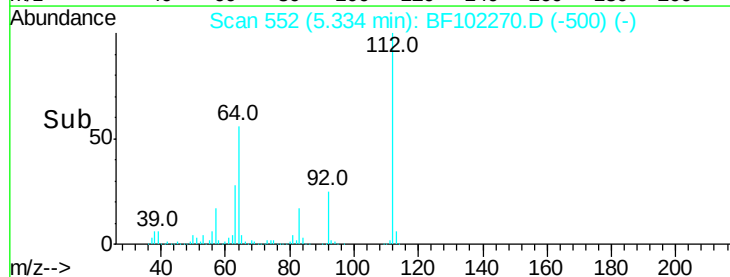
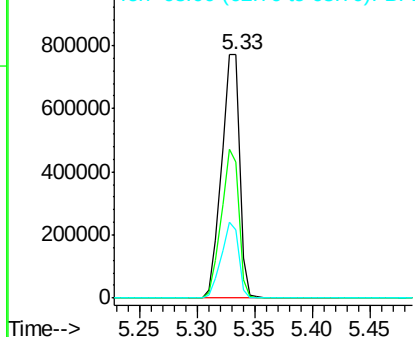
#5

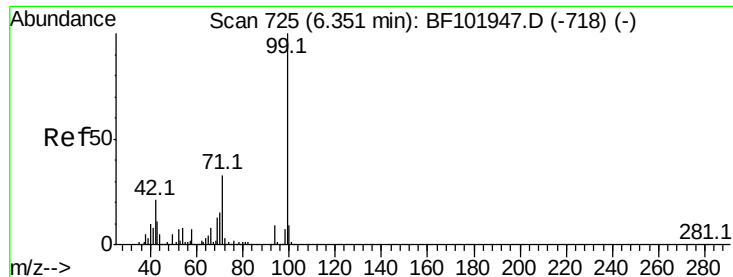
2-Fluorophenol
Concen: 80.025 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	28.2	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: 80.605 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

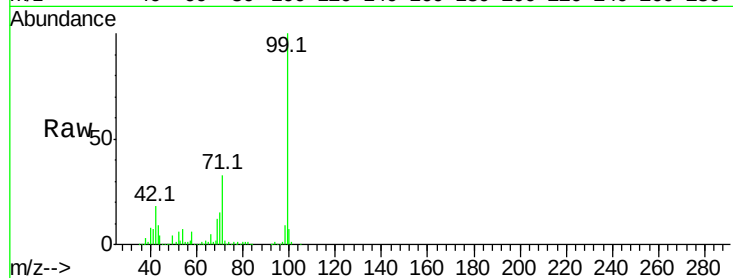
Tot Ion: 99 Resp: 1013454

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

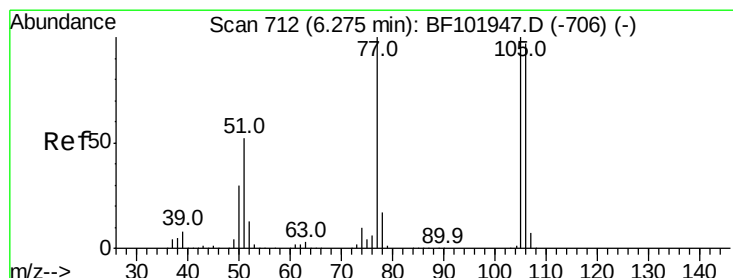
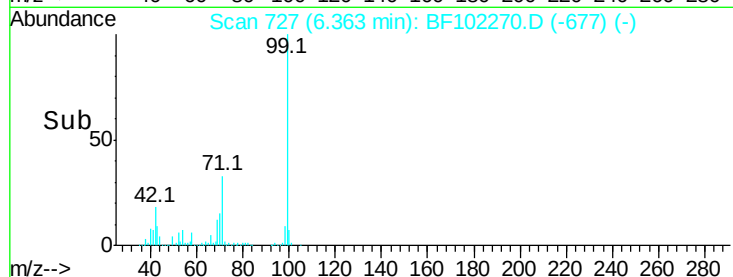
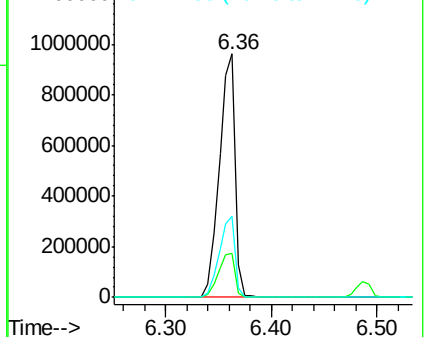
71 33.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.177 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

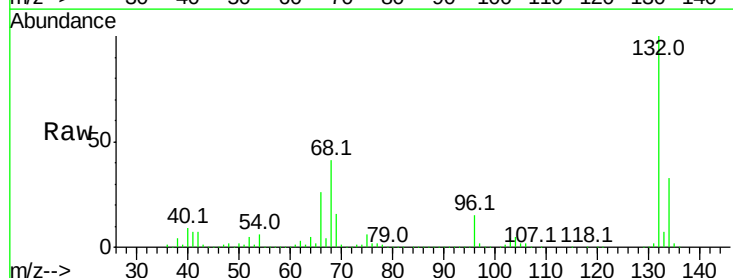
Tgt Ion: 77 Resp: 19001

Ion Ratio Lower Upper

77 100

105 81.2 81.1 121.1

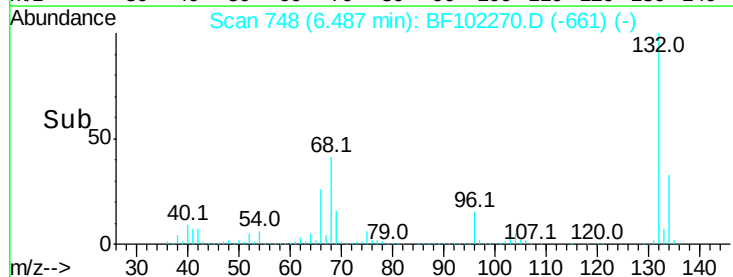
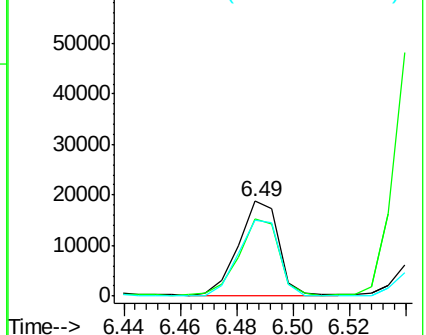
106 79.3 74.5 114.5

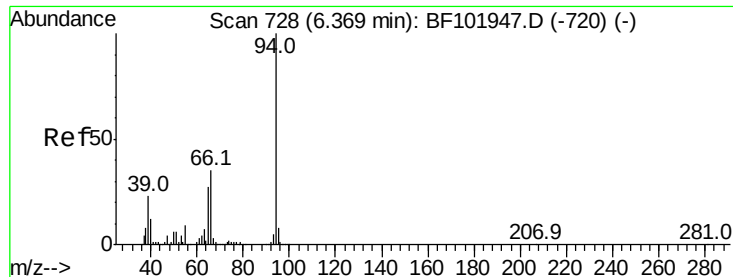


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.989 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampled :

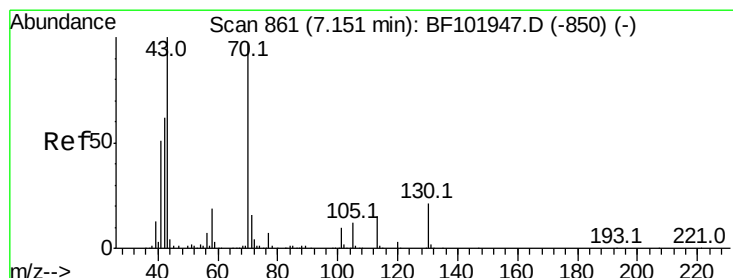
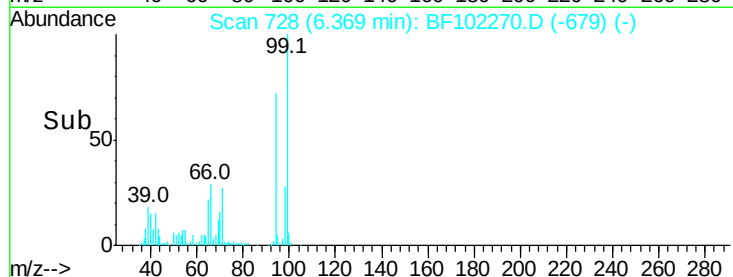
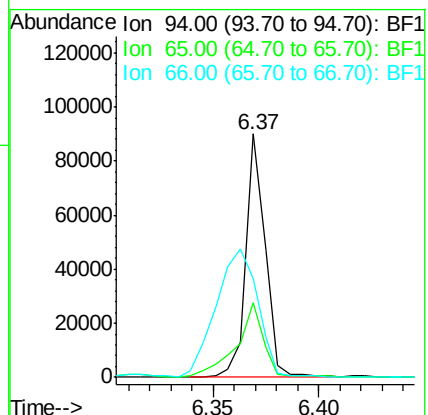
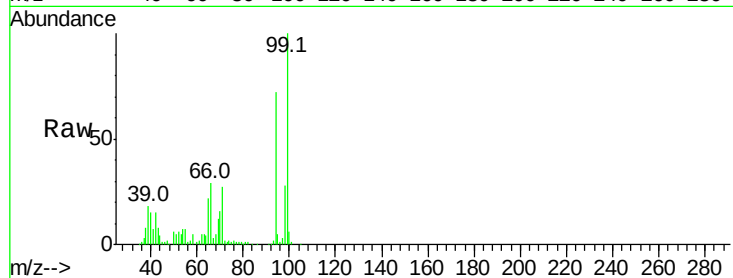
Tot Ion: 94 Resp: 56676

Ion Ratio Lower Upper

94 100

65 30.5 7.9 47.9

66 40.7 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.314 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Tgt Ion: 70 Resp: 84979

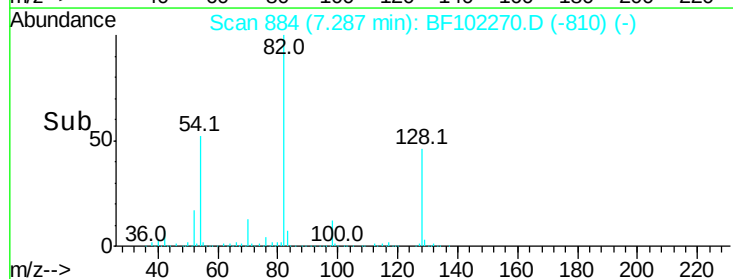
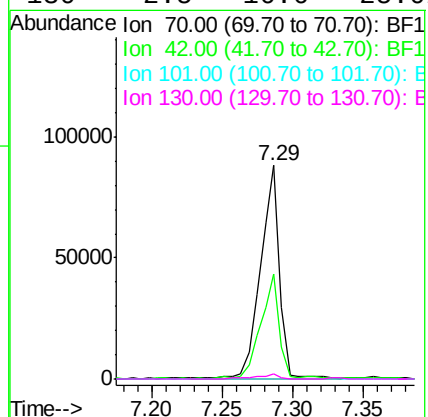
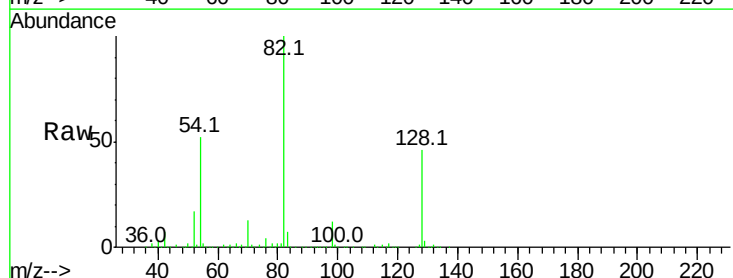
Ion Ratio Lower Upper

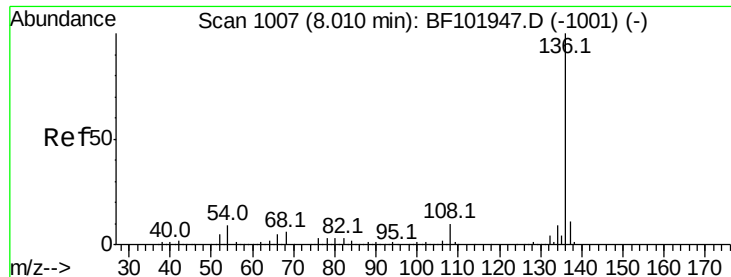
70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 614913

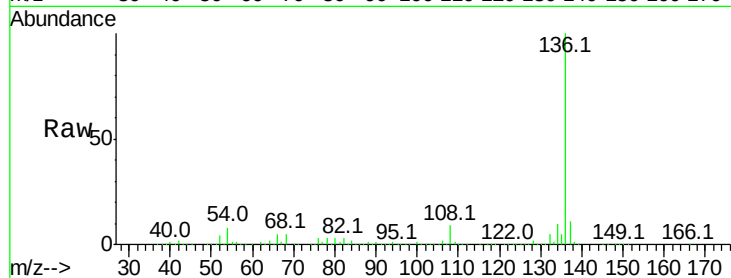
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.1 6.6 9.8

68 5.4 5.0 7.4

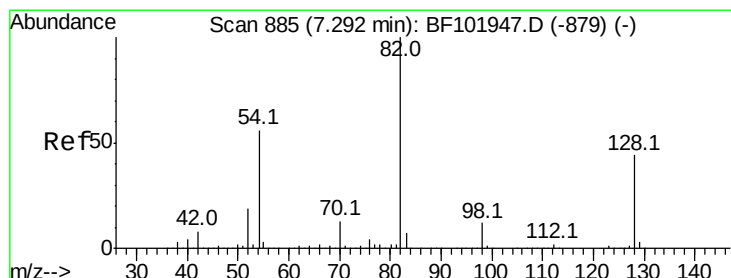
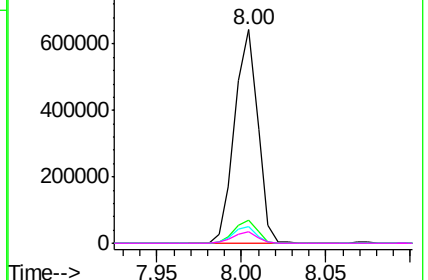
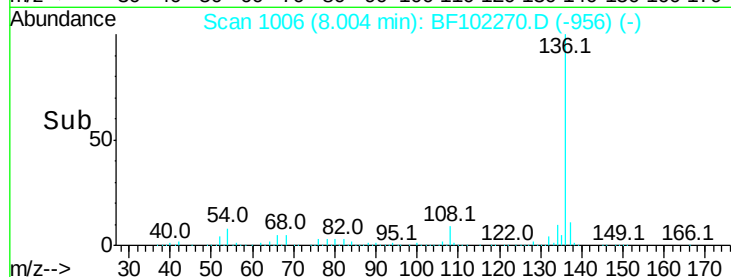


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.331 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

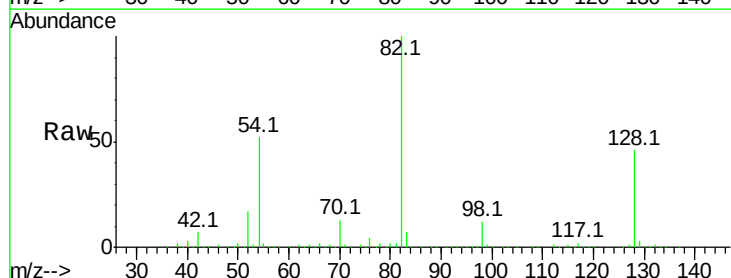
Tgt Ion: 82 Resp: 610382

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

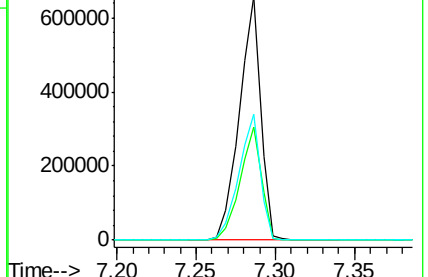
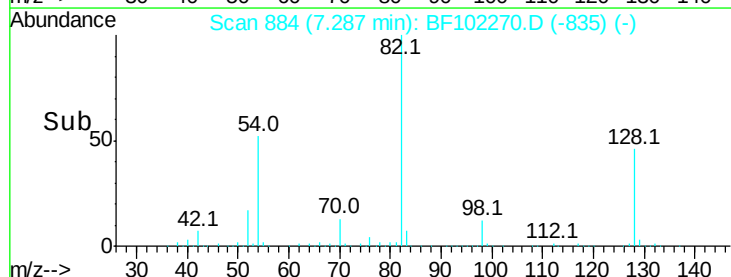
54 51.9 41.4 62.2

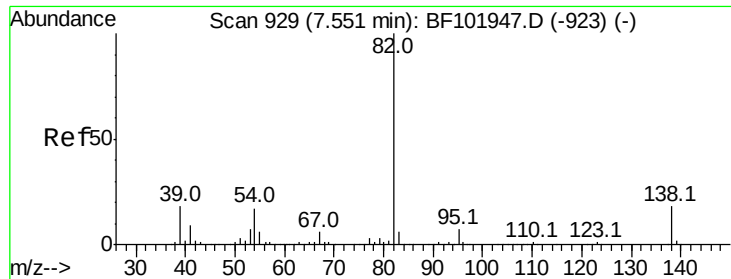


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.411 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

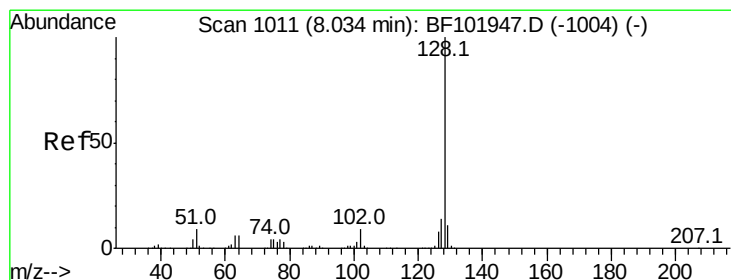
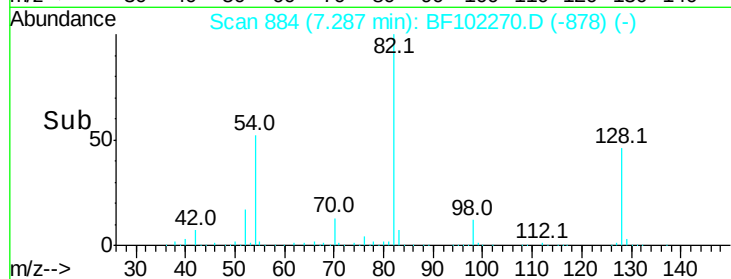
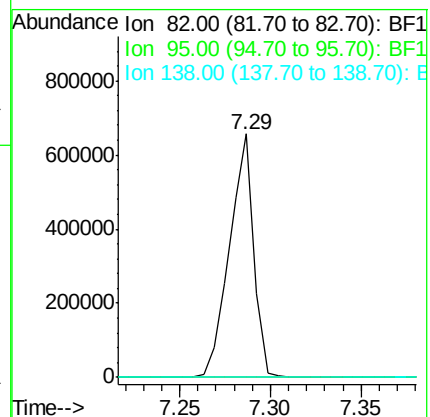
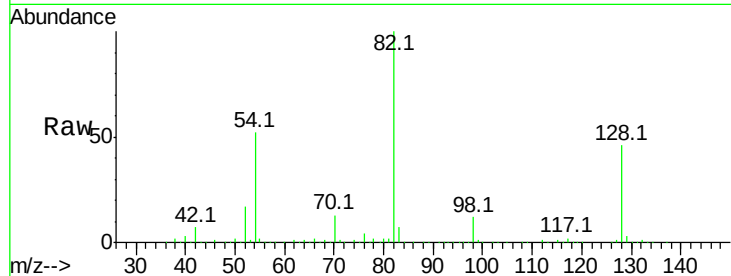
Tot Ion: 82 Resp: 608103

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 54.223 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

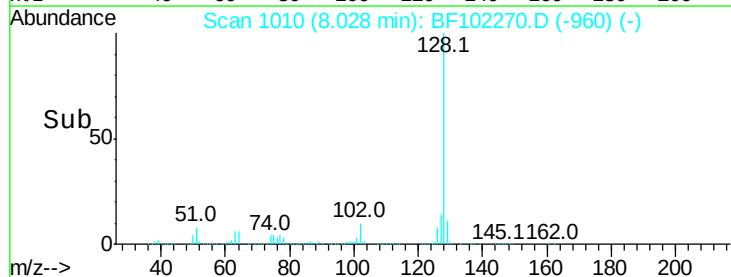
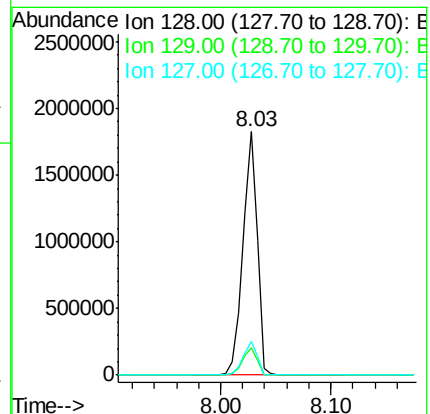
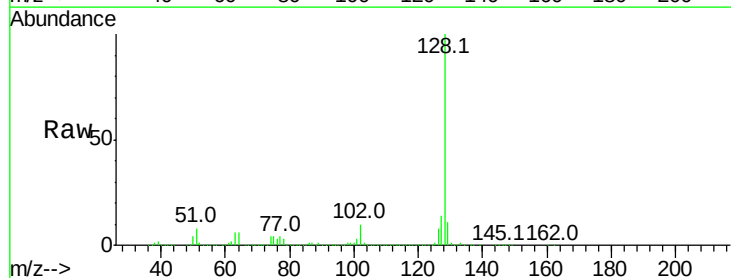
Tgt Ion:128 Resp: 1666066

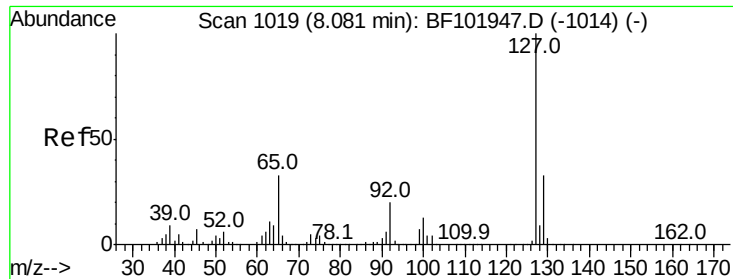
Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.9 10.9 16.3

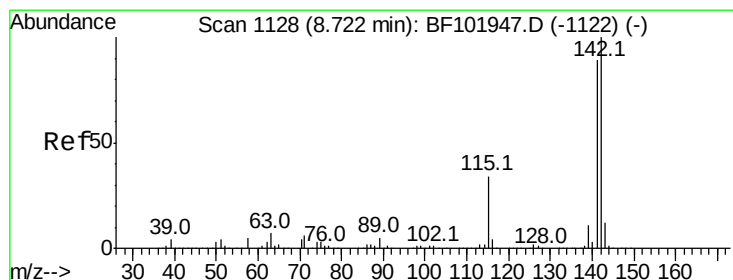
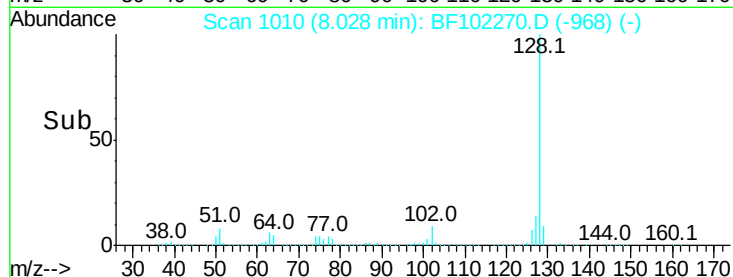
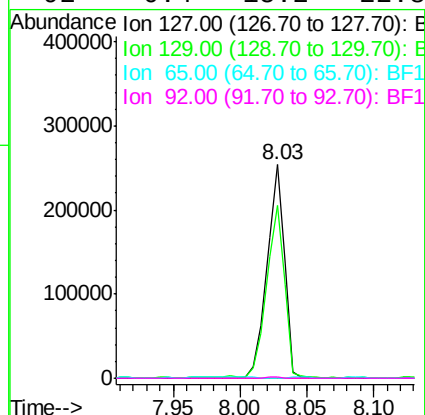
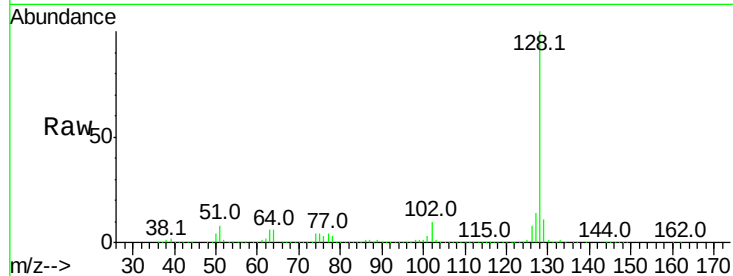




#33
4-Chloroaniline
Concen: 17.500 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.05 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

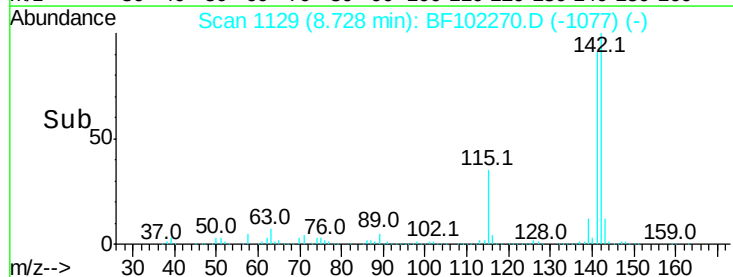
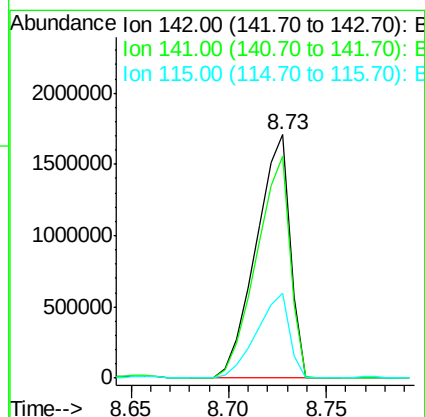
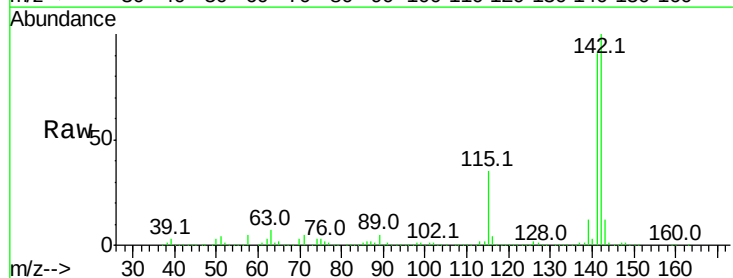
Instrument :
BNA_F
ClientSampleId :

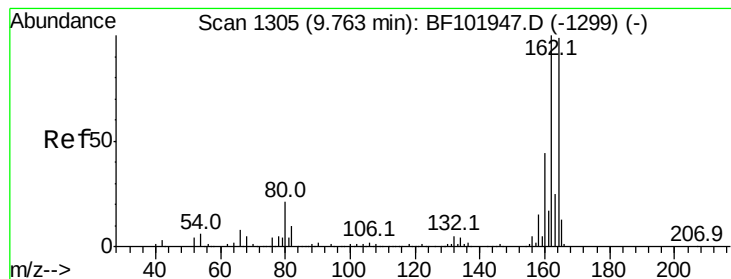
Tot Ion:	127	Resp:	229507
Ion	Ratio	Lower	Upper
127	100		
129	81.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.4	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 101.785 ng
RT: 8.73 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Tgt Ion:	142	Resp:	2058894
Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.8	106.2
115	34.8	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

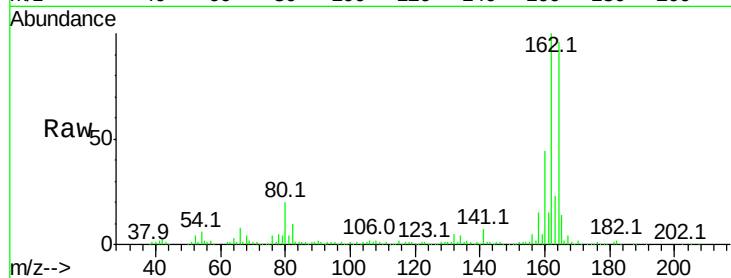
Tot Ion:164 Resp: 264458

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

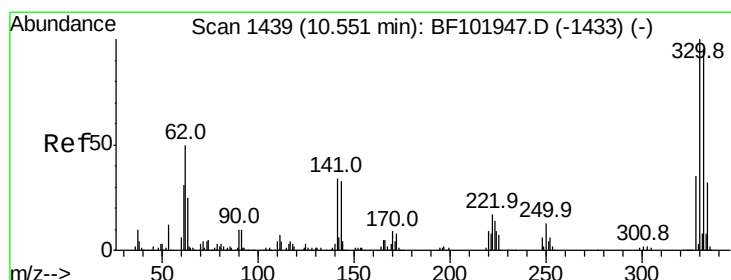
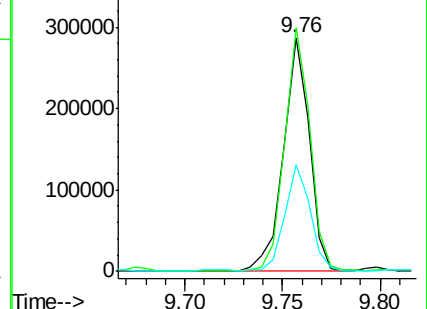
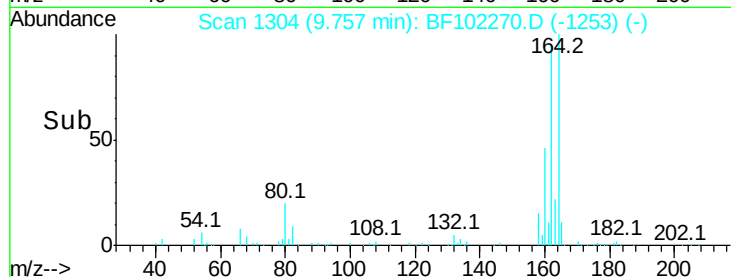
160 45.7 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 72.818 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

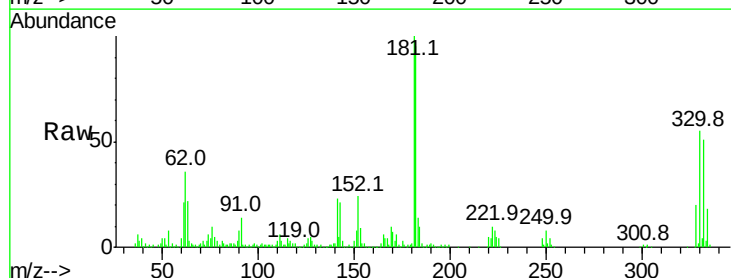
Tgt Ion:330 Resp: 168056

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

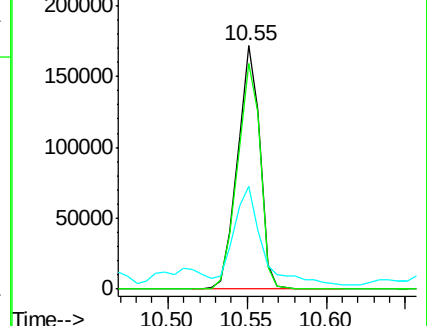
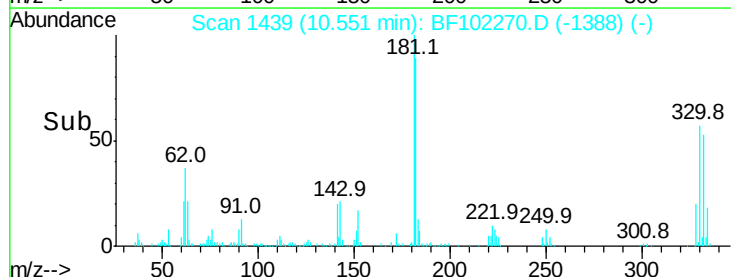
141 51.1 29.9 44.9#

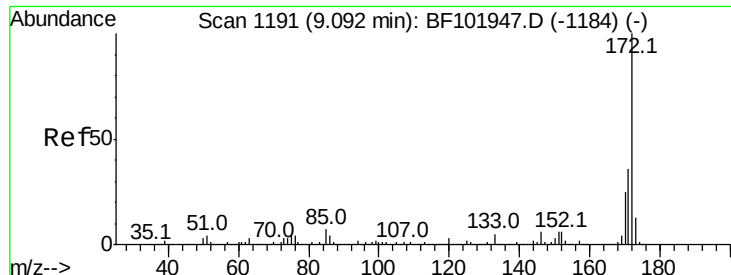


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



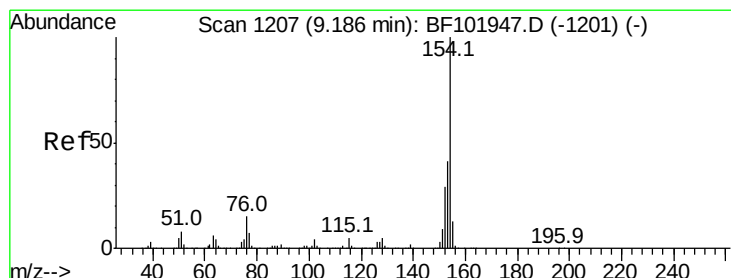
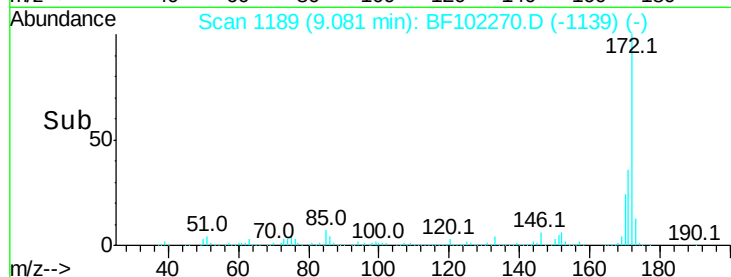
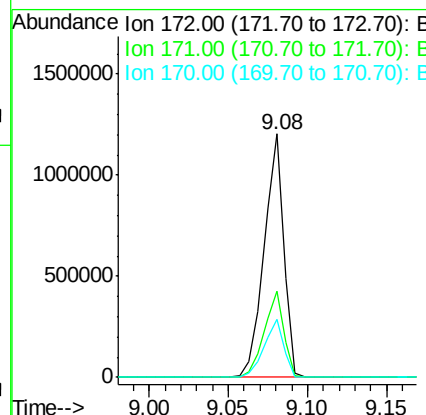
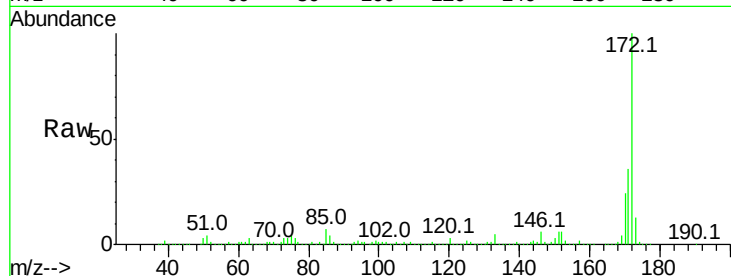


#44
2-Fluorobiphenyl
Concen: 61.872 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1047352

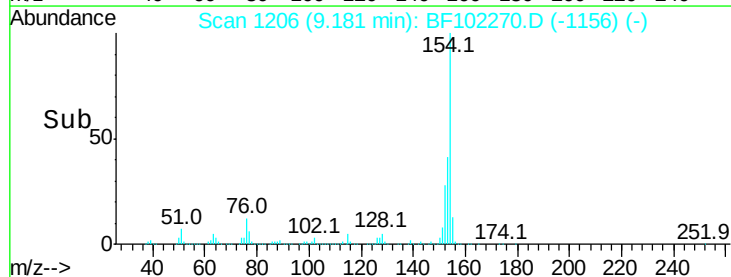
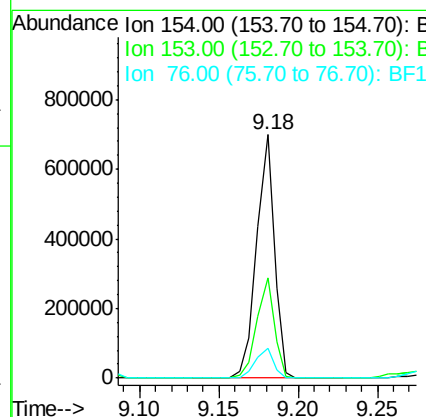
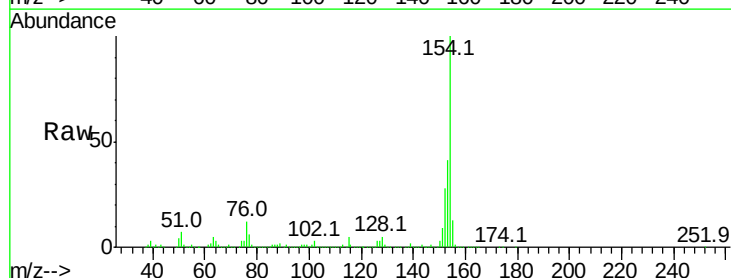
Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.9	19.6	29.4

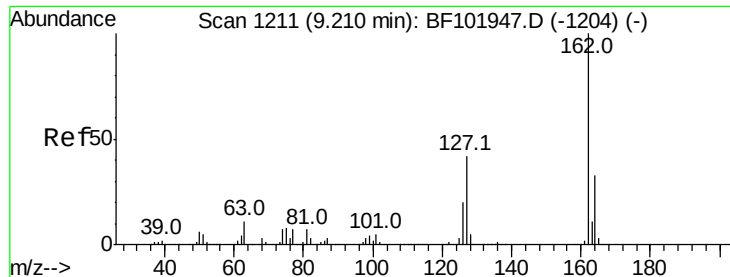


#45
1,1'-Biphenyl
Concen: 23.368 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Tgt Ion:154 Resp: 546231

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.3	61.3
76	12.2	0.0	34.0

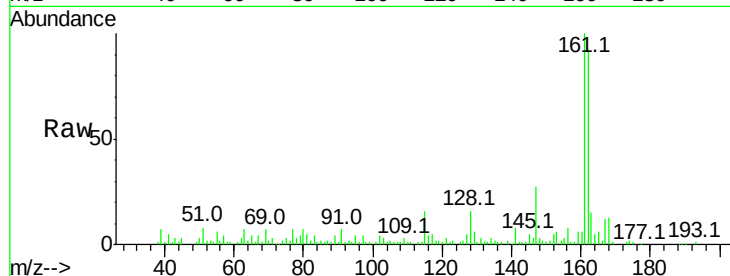




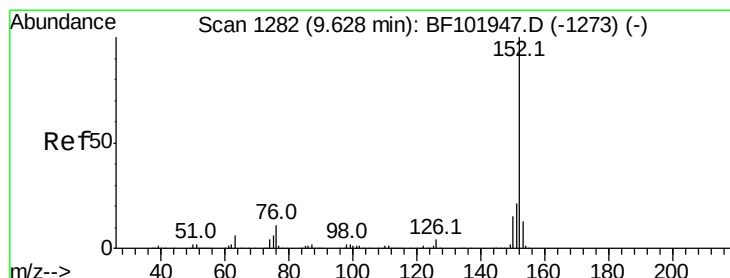
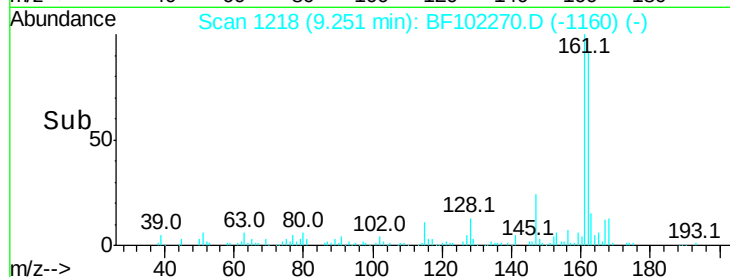
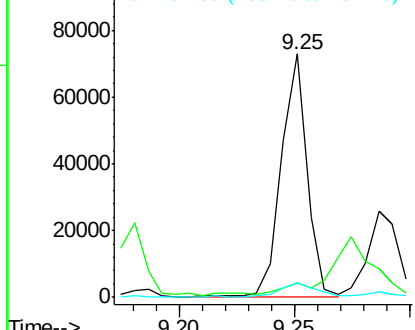
#46
 2-Chloronaphthalene
 Concen: 3.120 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.04 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	5.8	33.9	50.9#
164	5.9	26.5	39.7#

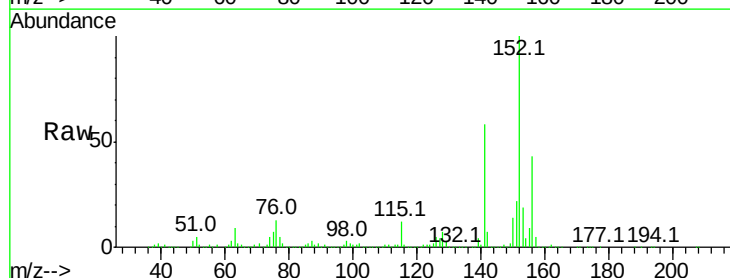


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

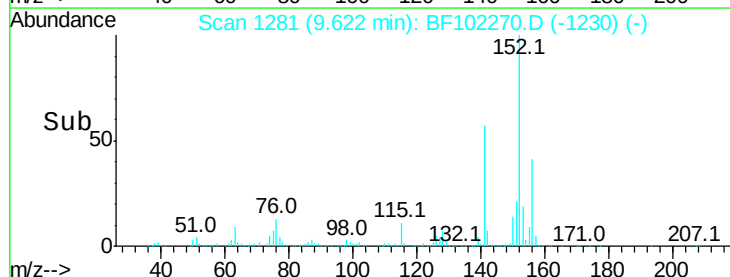
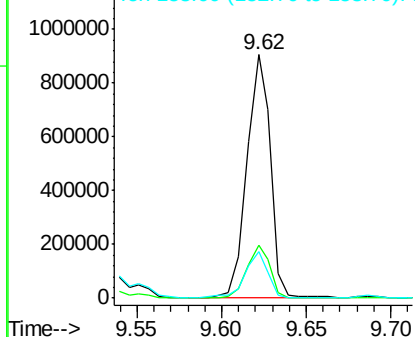


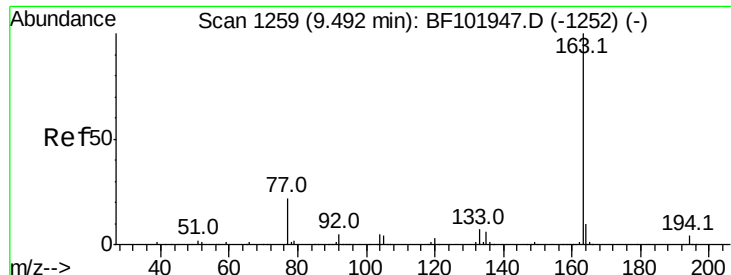
#48
 Acenaphthylene
 Concen: 30.609 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.3	24.5
153	19.1	10.7	16.1#



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

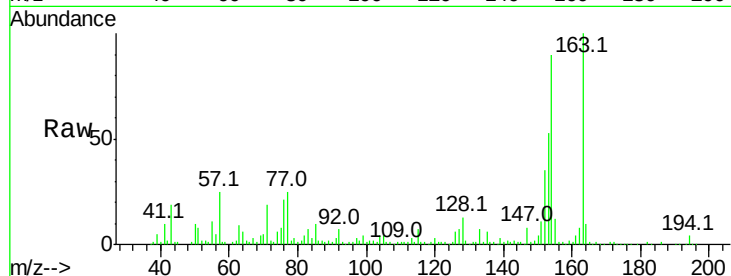




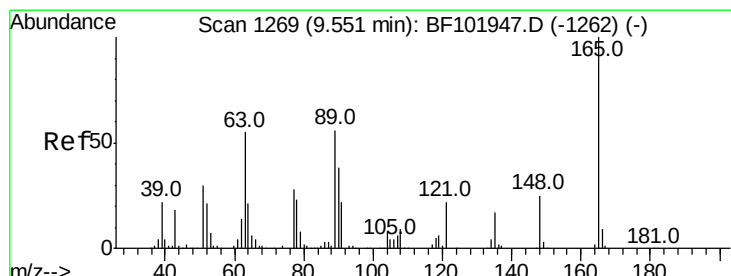
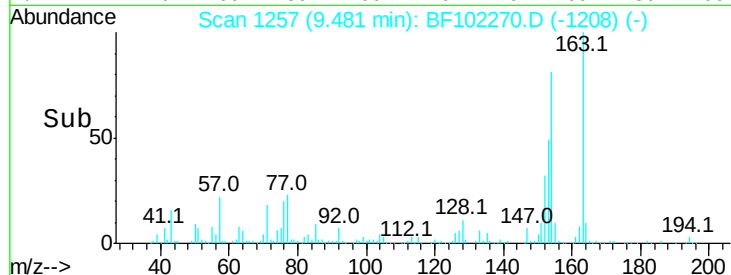
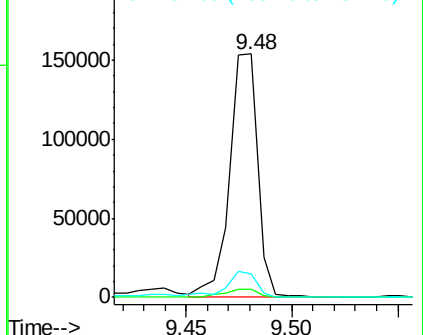
#49
Dimethylphthalate
Concen: 6.536 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.6	8.2	12.2

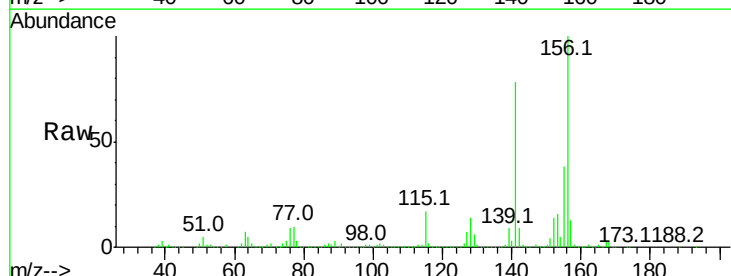


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

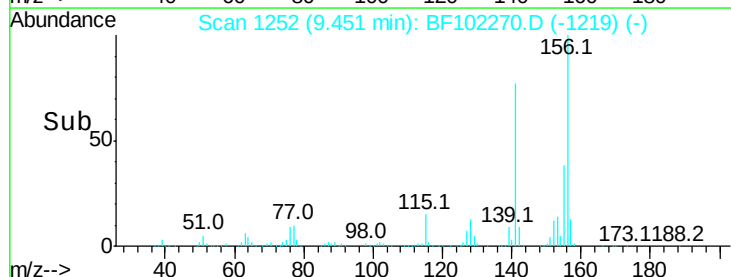
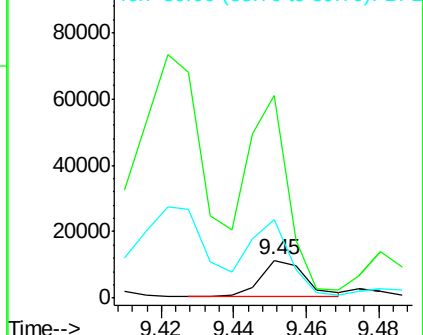


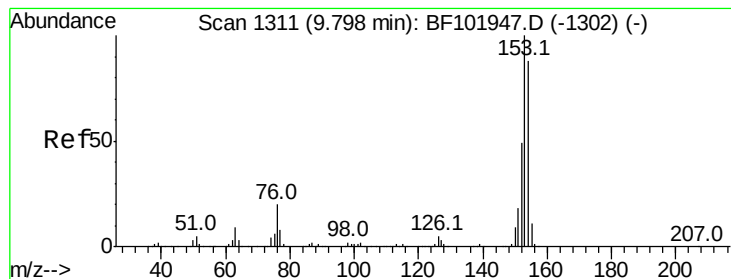
#50
2,6-Dinitrotoluene
Concen: 2.207 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.11 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	534.1	44.7	67.1#
89	208.0	44.0	66.0#



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





#51

Acenaphthene

Concen: 58.906 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

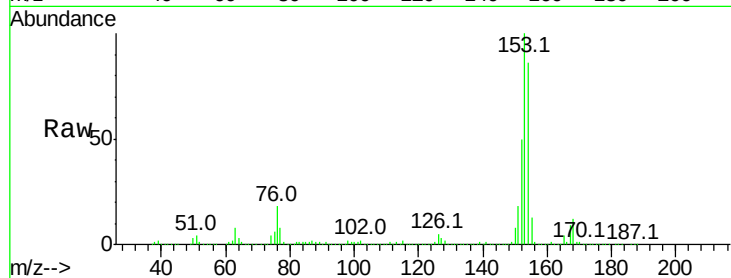
Tot Ion:154 Resp: 1028507

Ion Ratio Lower Upper

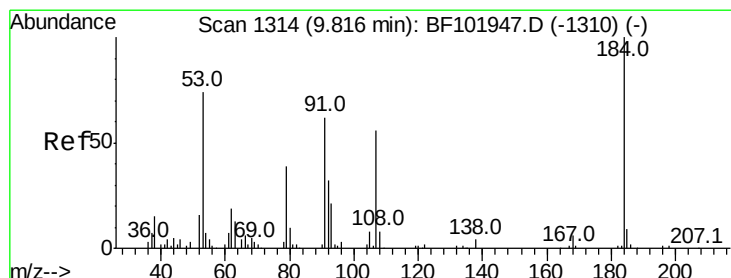
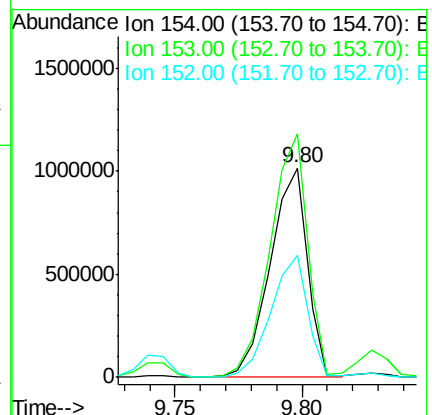
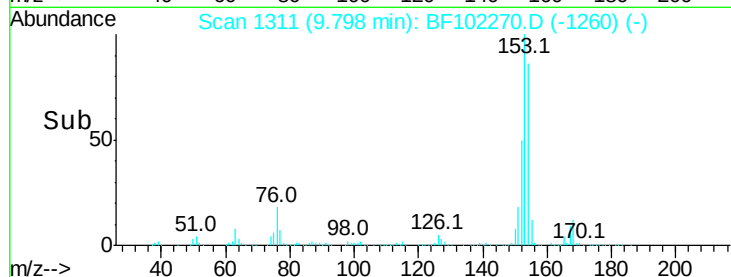
154 100

153 116.2 91.2 136.8

152 57.9 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 9.081 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

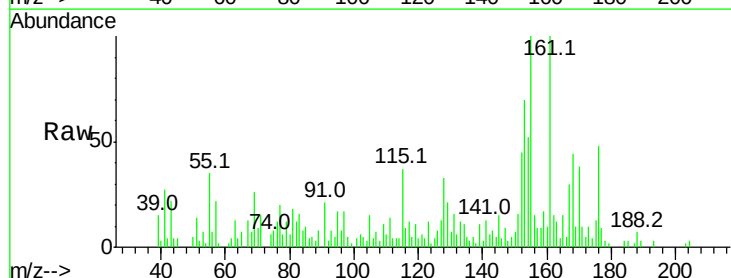
Tgt Ion:184 Resp: 768

Ion Ratio Lower Upper

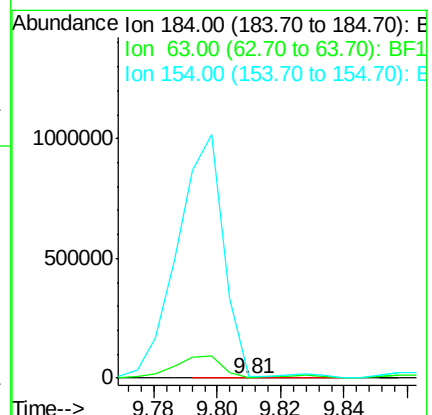
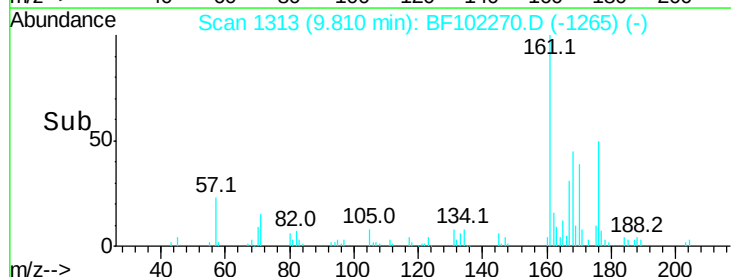
184 100

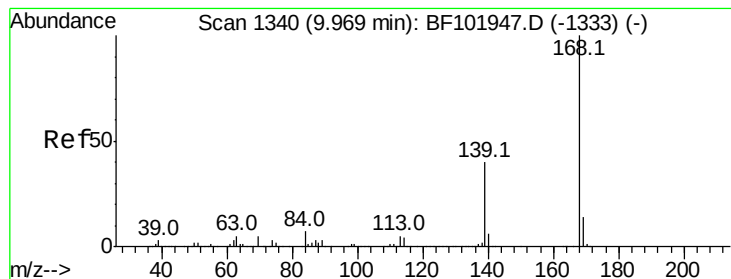
63 389.0 54.2 81.2#

154 1510.4 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 56.298 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

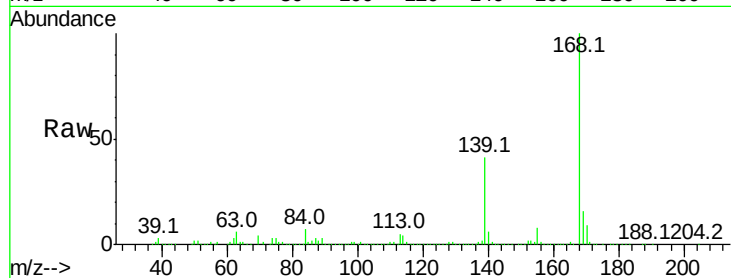
Tot Ion:168 Resp: 1349071

Ion Ratio Lower Upper

168 100

139 41.2 30.1 45.1

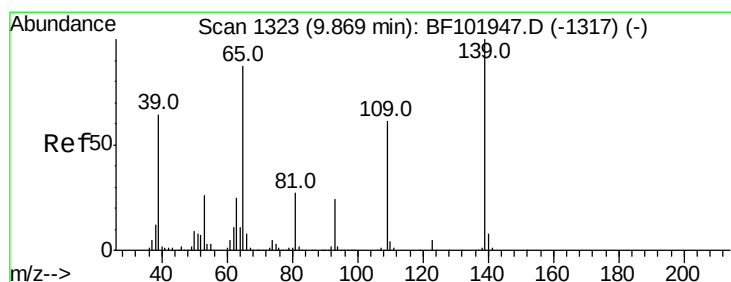
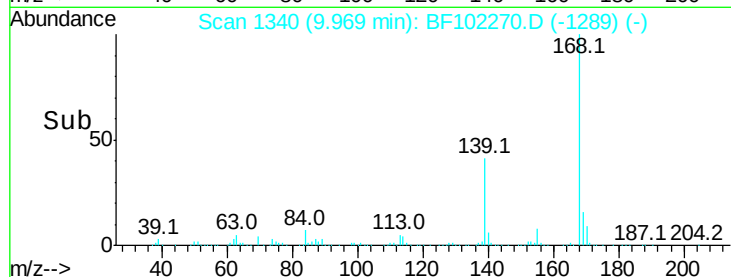
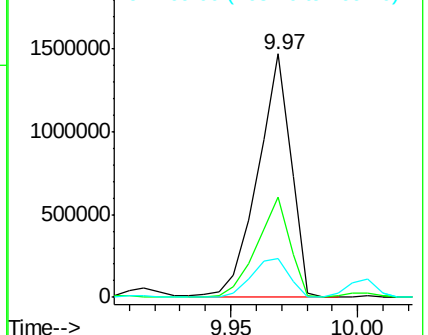
169 15.7 10.9 16.3



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



#55

4-Nitrophenol

Concen: 5.357 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

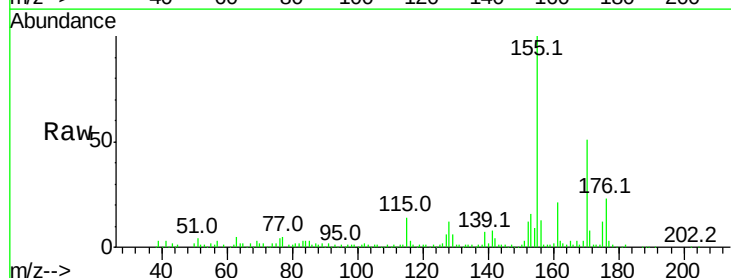
Tgt Ion:139 Resp: 21353

Ion Ratio Lower Upper

139 100

109 12.7 48.4 88.4#

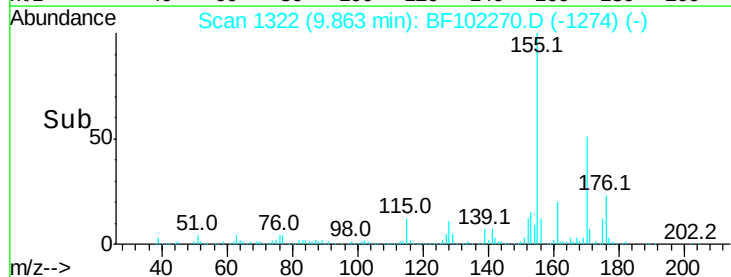
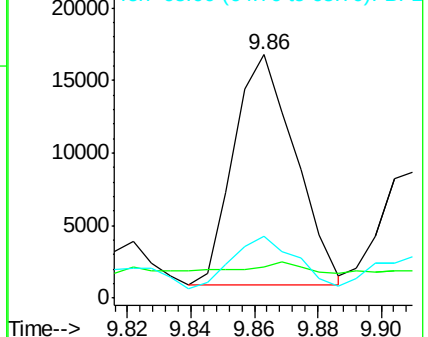
65 25.6 72.6 112.6#

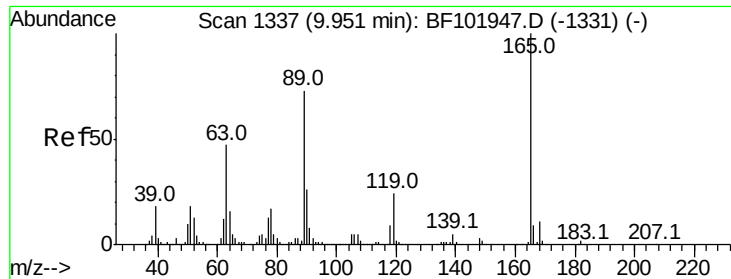


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

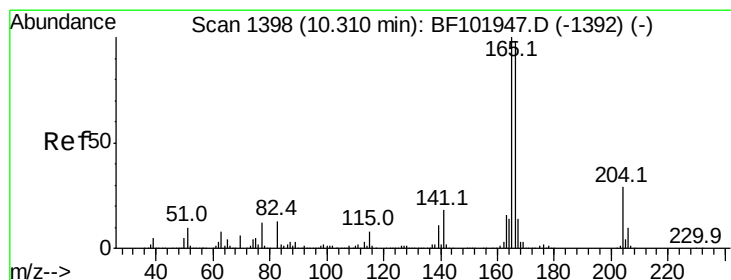
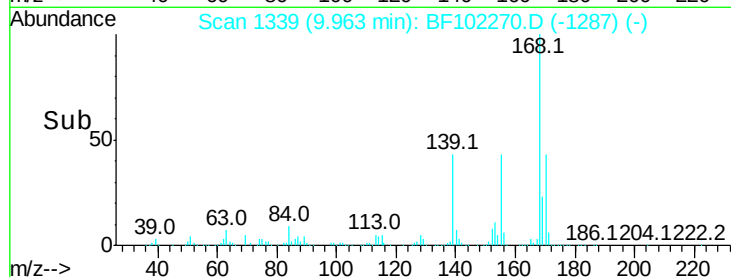
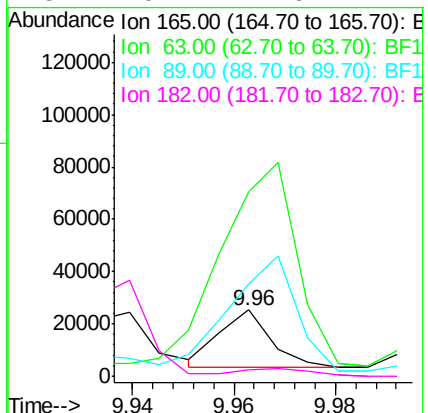
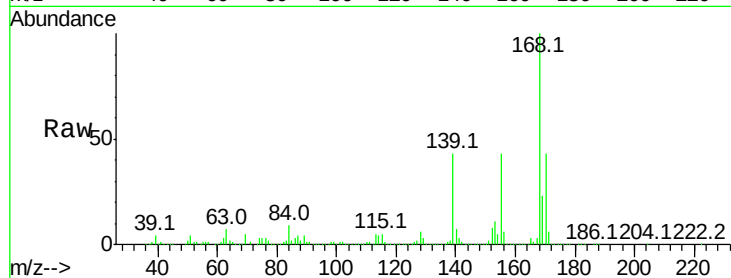




#56
 2,4-Dinitrotoluene
 Concen: 2.965 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

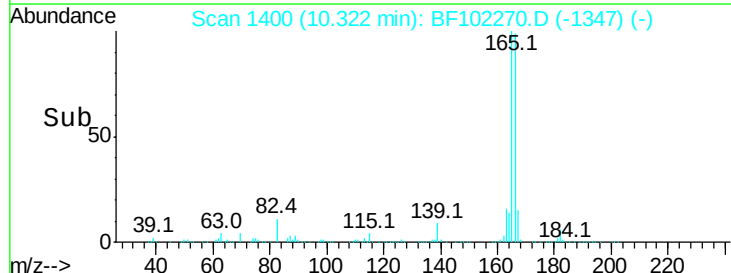
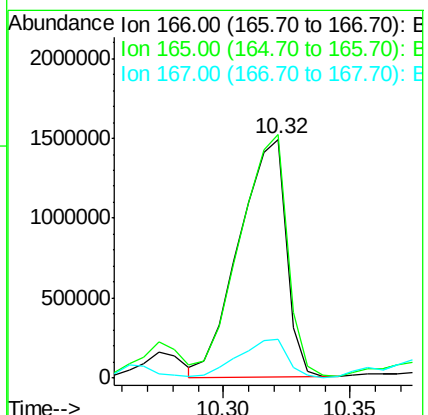
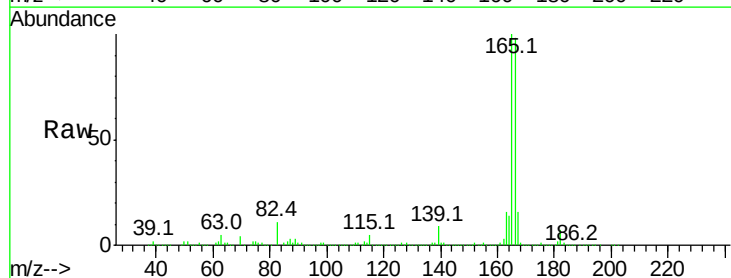
Instrument :
 BNA_F
 ClientSampleId :

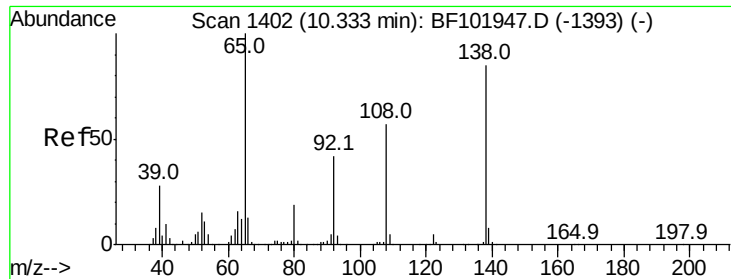
Tot Ion:165 Resp: 15746
 Ion Ratio Lower Upper
 165 100
 63 279.7 36.4 54.6#
 89 139.5 57.8 86.6#
 182 9.7 1.6 2.4#



#57
 Fluorene
 Concen: 116.625 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

Tgt Ion:166 Resp: 1931921
 Ion Ratio Lower Upper
 166 100
 165 101.9 79.8 119.8
 167 16.4 10.6 16.0#

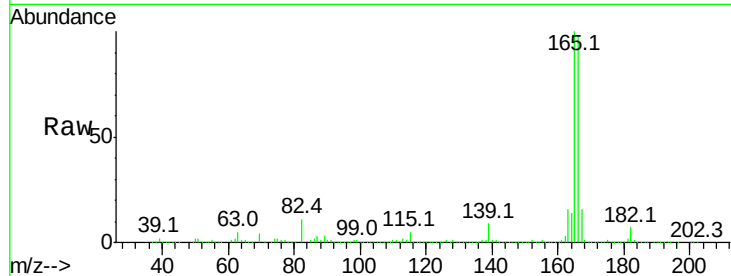




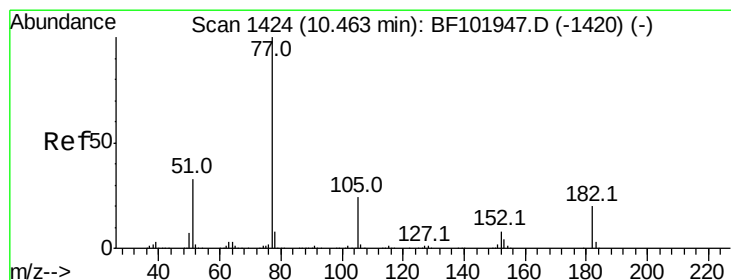
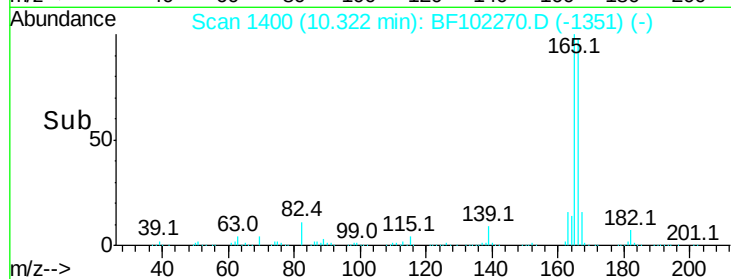
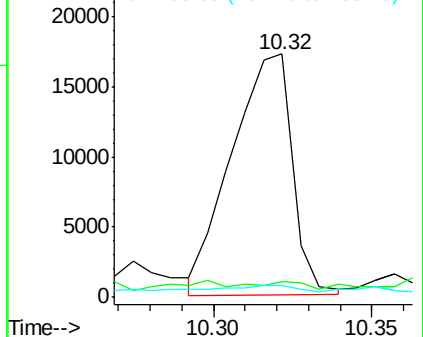
#61
4-Nitroaniline
Concen: 4.502 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 22850
Ion Ratio Lower Upper
138 100
92 6.5 30.2 70.2#
108 5.0 52.5 92.5#

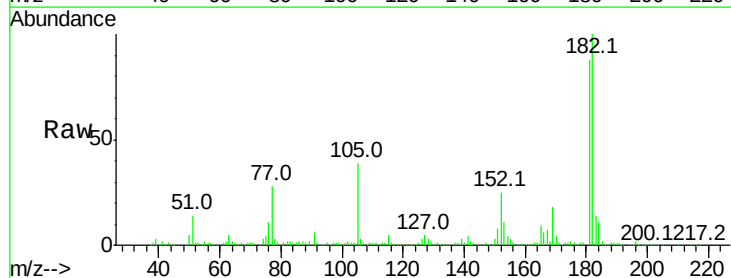


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

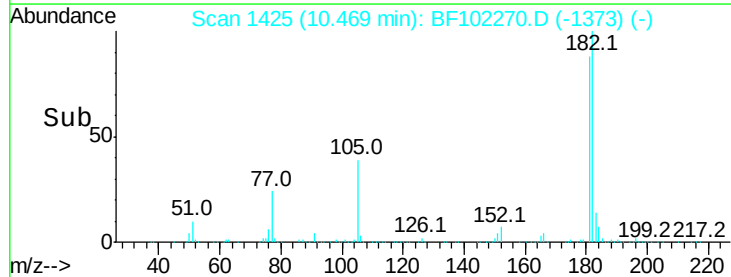
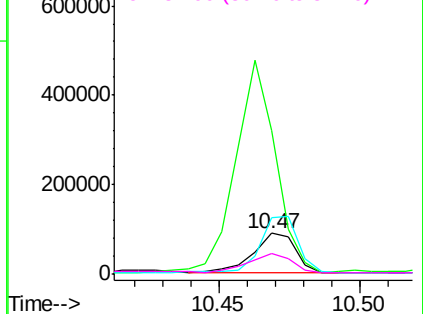


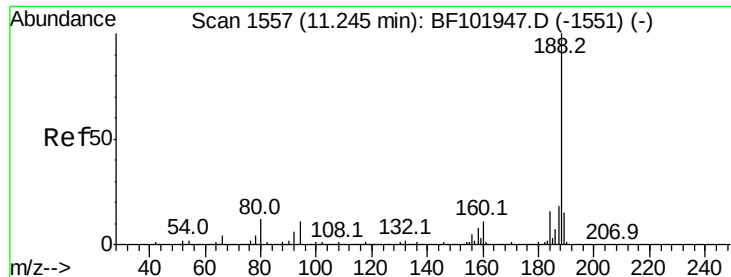
#62
Azobenzene
Concen: 4.458 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Tgt Ion: 77 Resp: 93600
Ion Ratio Lower Upper
77 100
182 353.4 1.7 41.7#
105 137.9 3.0 43.0#
51 49.6 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

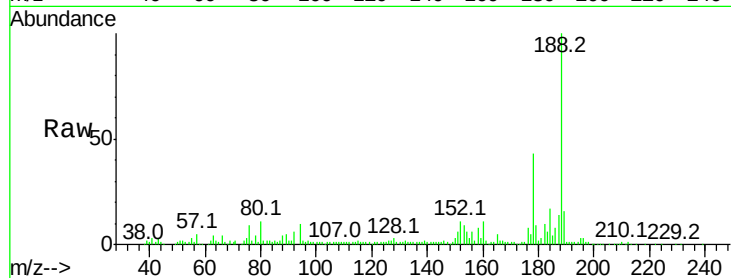
Tot Ion:188 Resp: 353262

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

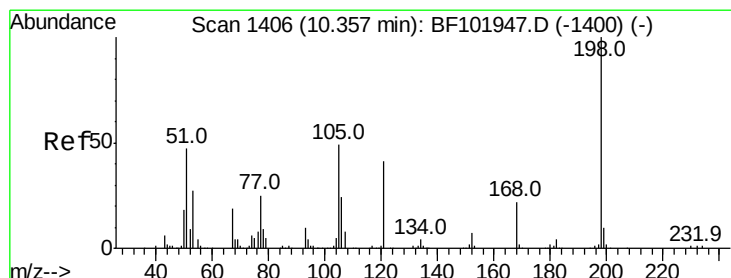
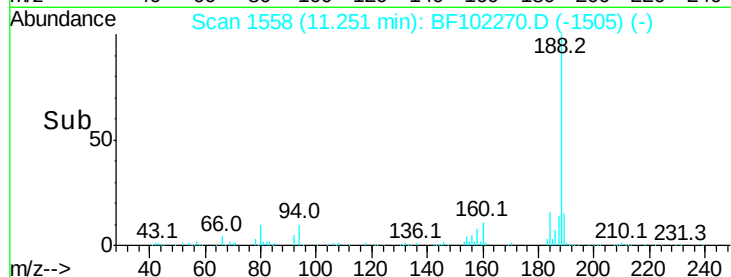
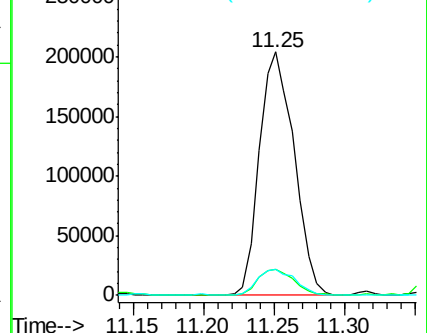
80 10.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 6.395 ng

RT: 10.36 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

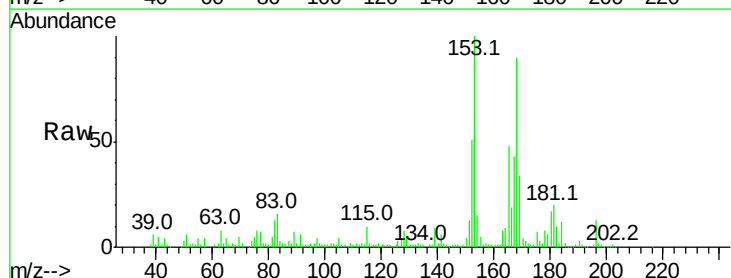
Tgt Ion:198 Resp: 1593

Ion Ratio Lower Upper

198 100

51 452.7 37.7 77.7#

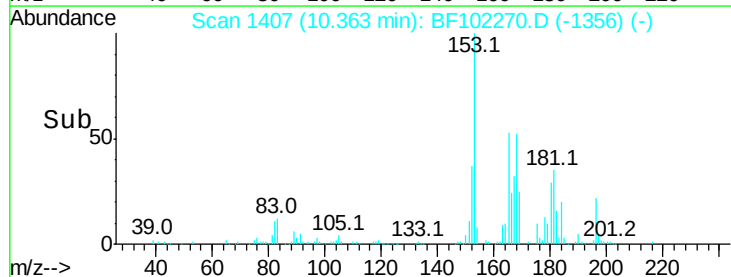
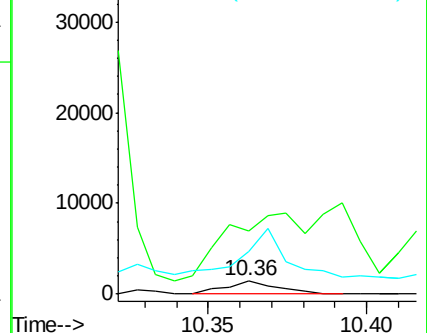
105 306.0 36.3 76.3#

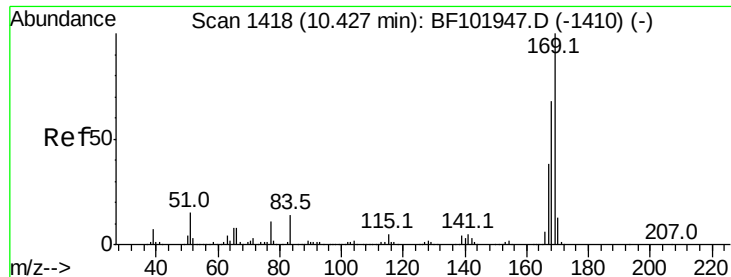


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

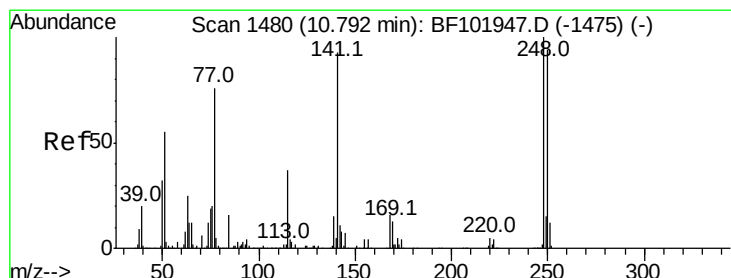
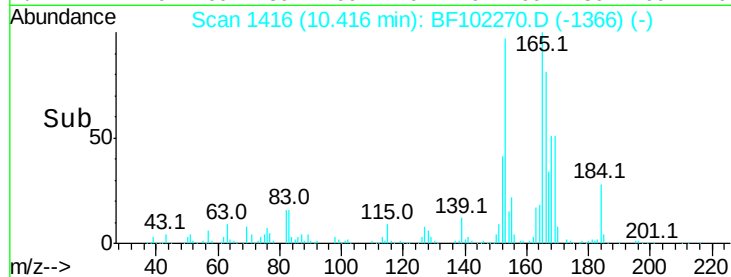
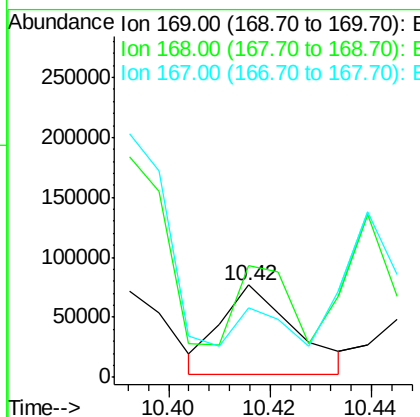
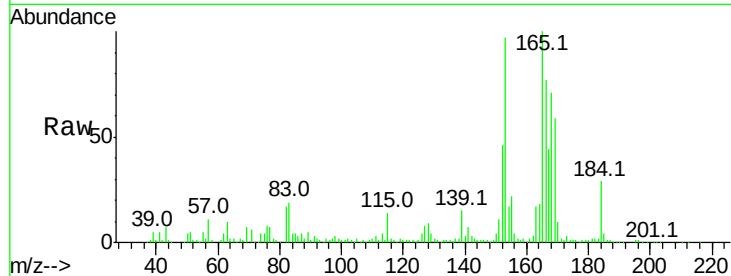




#65
 n-Nitrosodiphenylamine
 Concen: 5.707 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

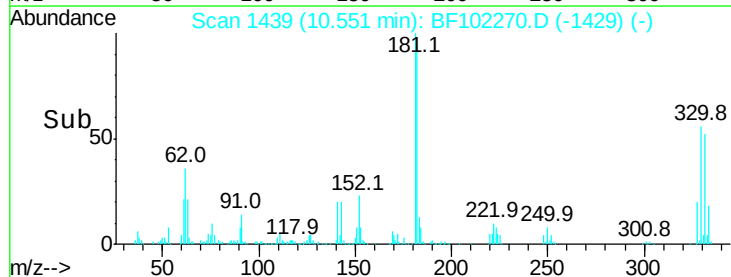
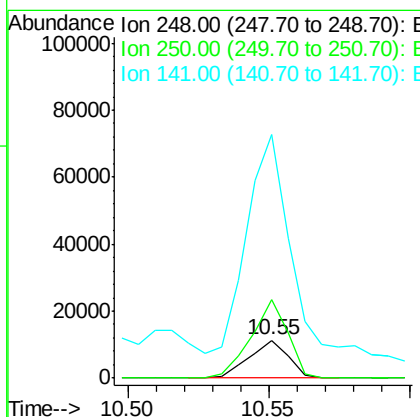
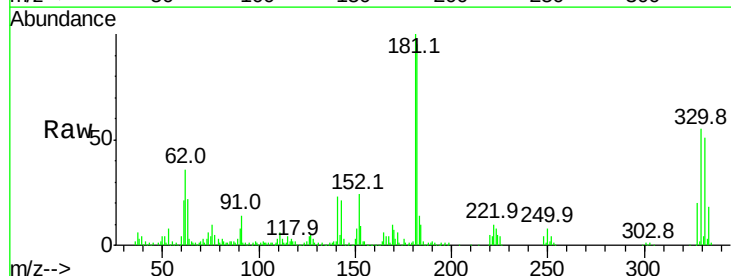
Instrument :
 BNA_F
 ClientSampleId :

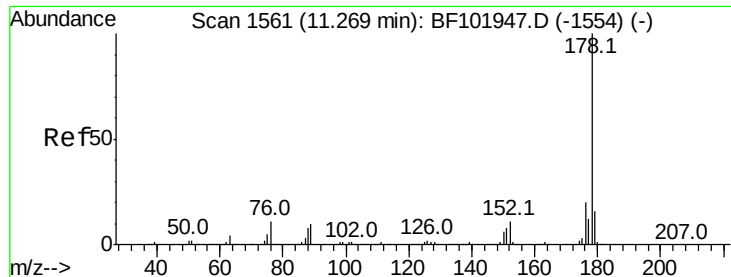
Tot Ion:169 Resp: 75487
 Ion Ratio Lower Upper
 169 100
 168 121.1 54.4 81.6#
 167 75.2 29.8 44.6#



#66
 4-Bromophenyl-phenylether
 Concen: 2.902 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

Tgt Ion:248 Resp: 10825
 Ion Ratio Lower Upper
 248 100
 250 206.5 76.9 115.3#
 141 638.4 74.4 111.6#

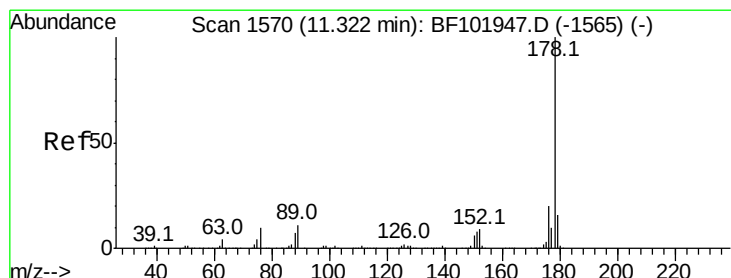
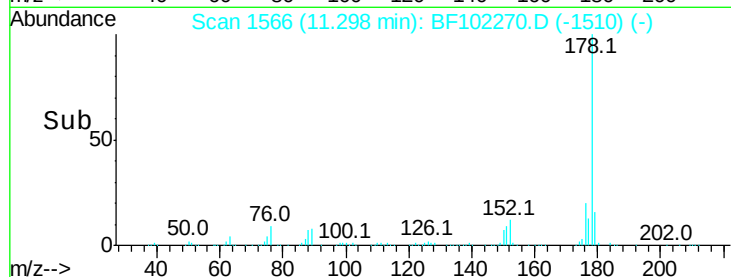
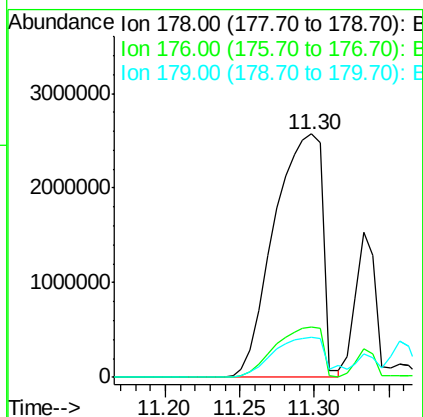
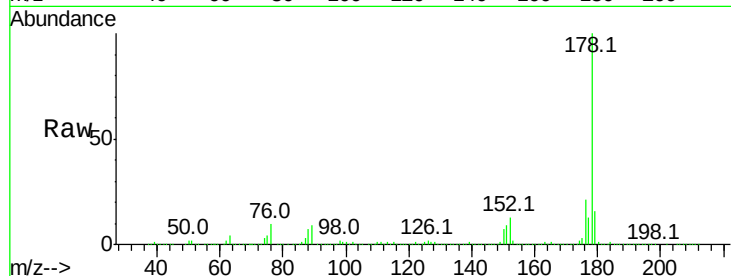




#70
Phenanthrene
Concen: 279.369 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.03 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

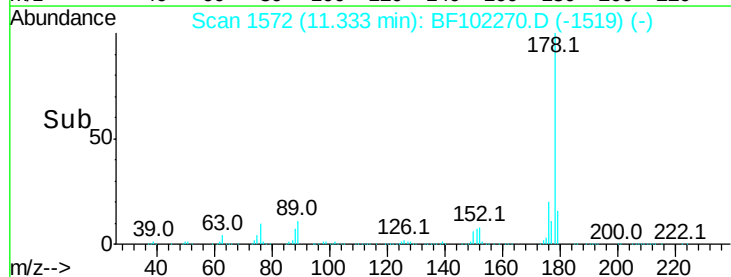
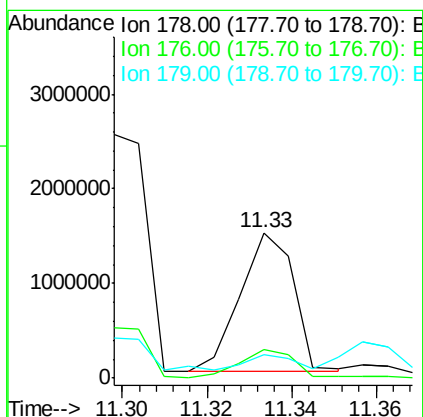
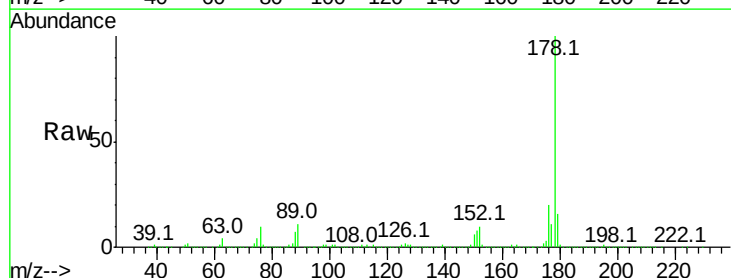
Instrument :
BNA_F
ClientSampleId :

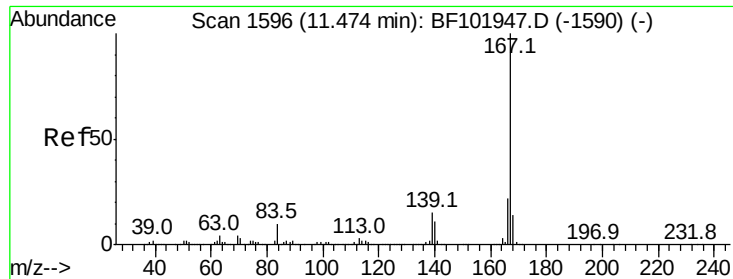
Tot Ion:178 Resp: 5764823
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 16.4 13.0 19.6



#71
Anthracene
Concen: 61.559 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Tgt Ion:178 Resp: 1288293
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 16.3 12.6 19.0

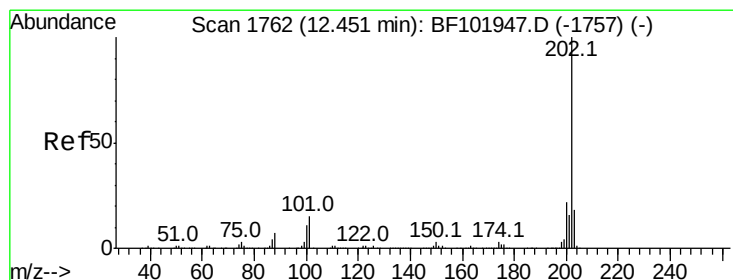
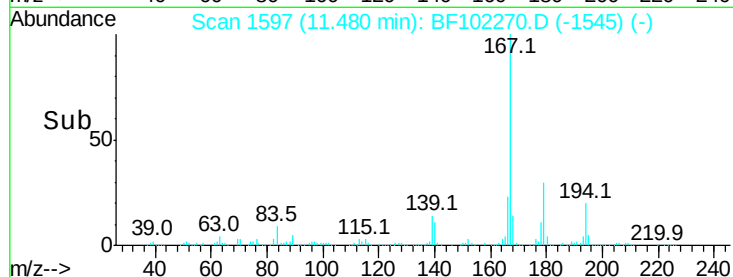
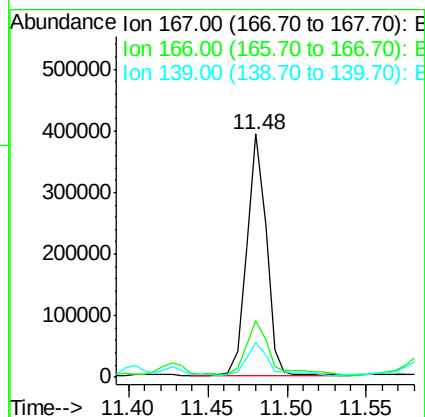
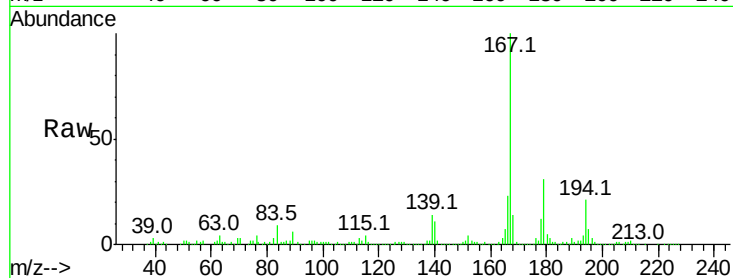




#72
 Carbazole
 Concen: 16.437 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

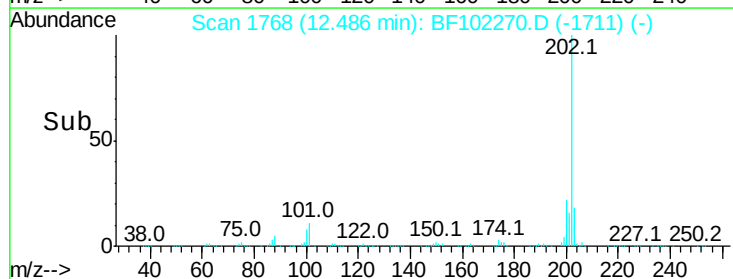
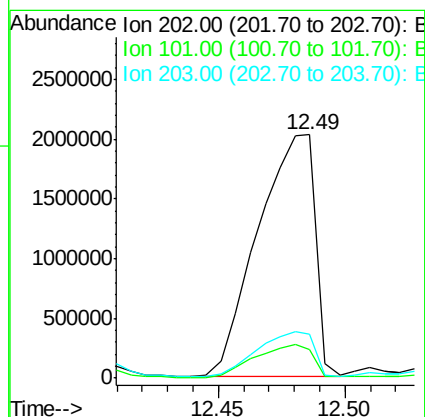
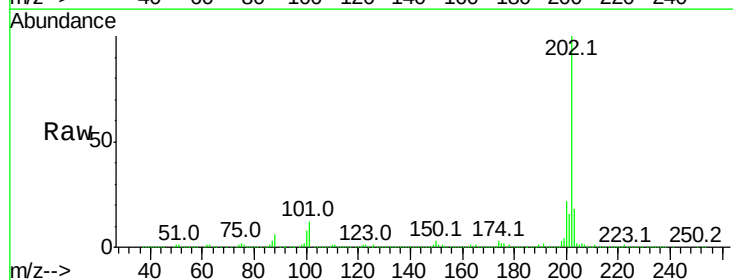
Instrument :
 BNA_F
 ClientSampled :

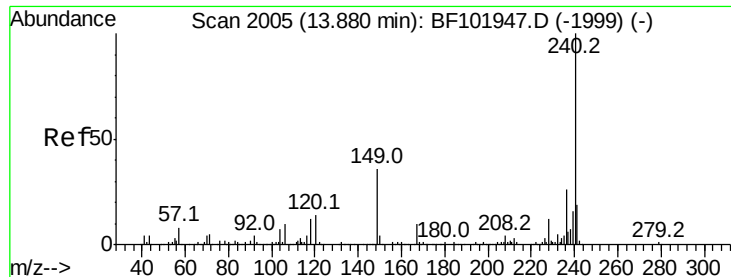
Tot Ion:167 Resp: 338112
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.6 26.4
 139 14.2 10.9 16.3



#74
 Fluoranthene
 Concen: 157.103 ng
 RT: 12.49 min Scan# 1768
 Delta R.T. 0.04 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

Tgt Ion:202 Resp: 3189550
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 34.1
 203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

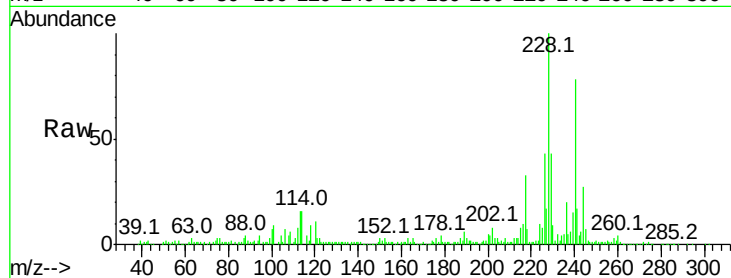
Tot Ion:240 Resp: 228191

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

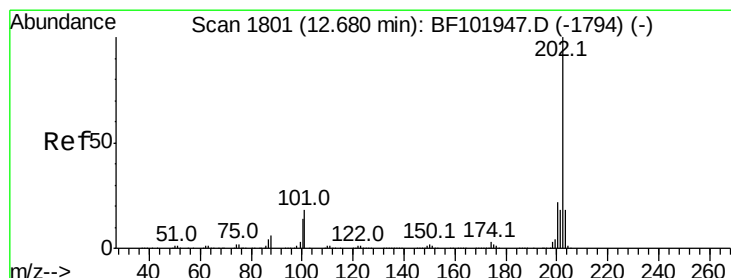
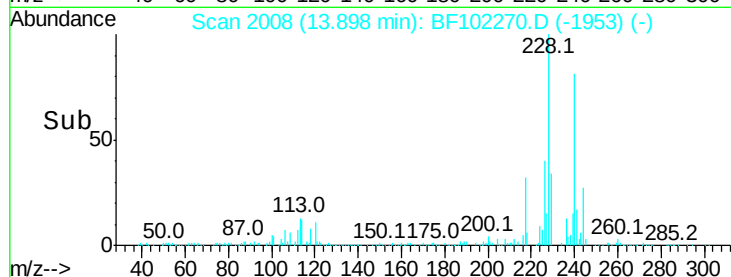
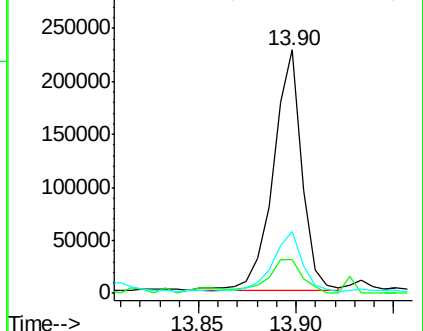
236 25.6 20.7 31.1



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



#77

Pyrene

Concen: 174.540 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.04 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

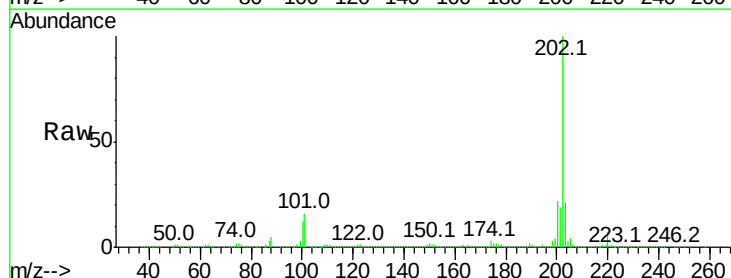
Tgt Ion:202 Resp: 3520593

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

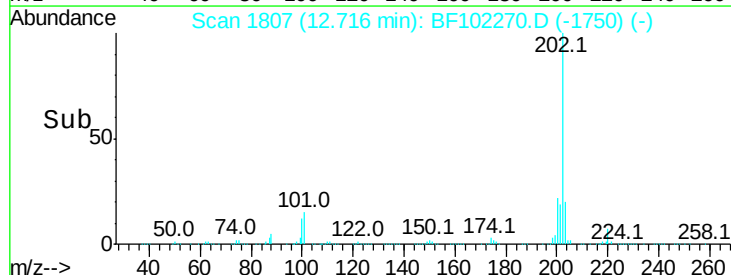
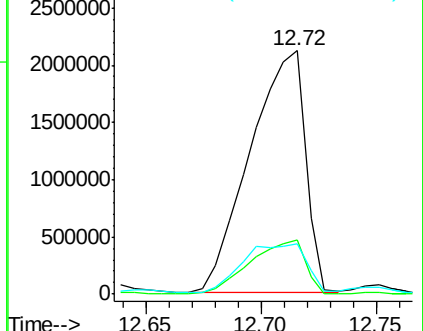
203 20.7 14.3 21.5

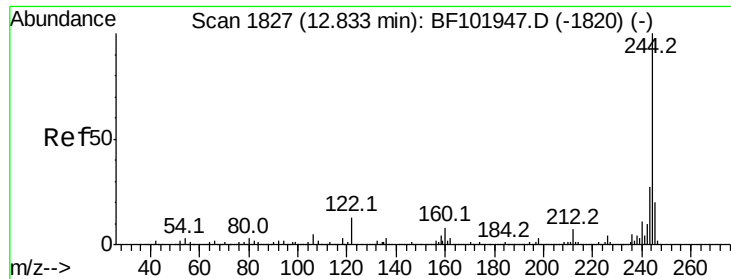


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

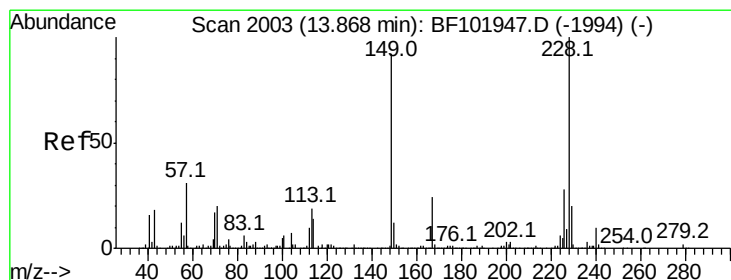
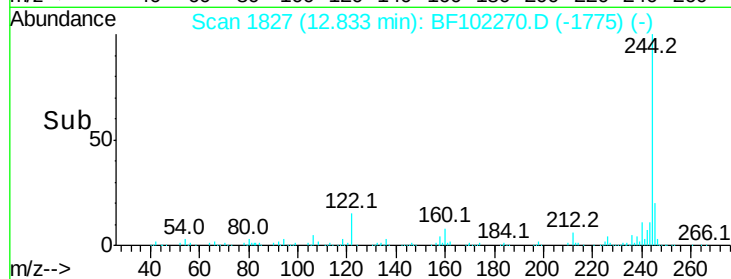
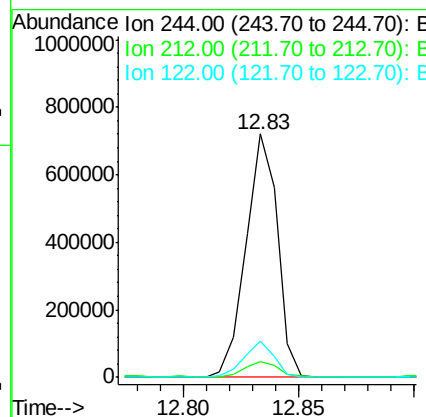
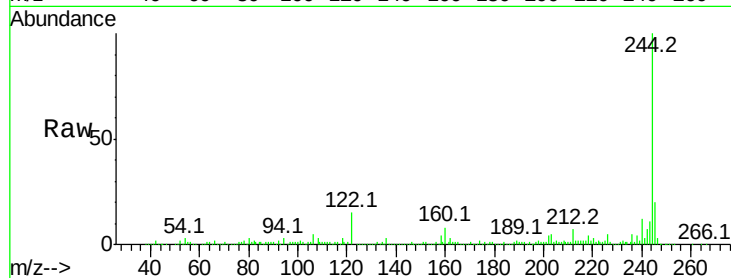




#78
 Terphenyl-d14
 Concen: 62.452 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

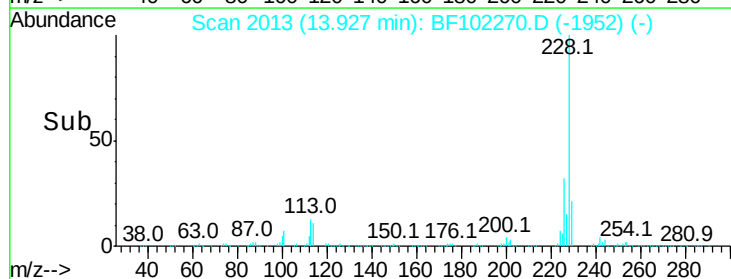
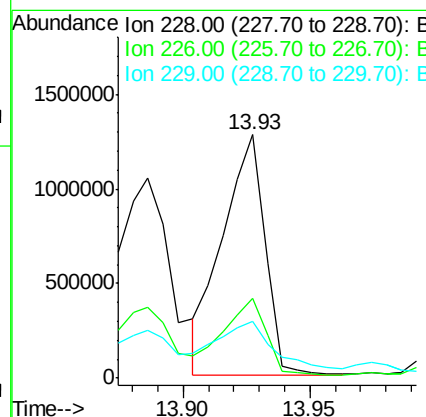
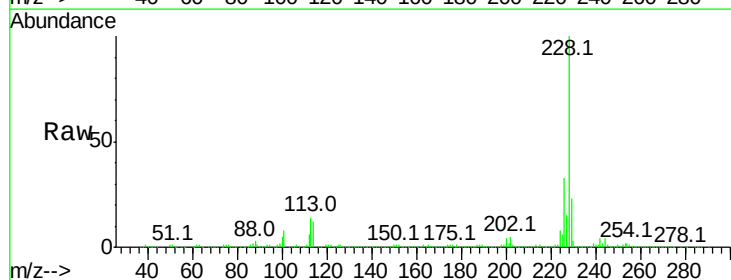
Instrument :
 BNA_F
 ClientSampled :

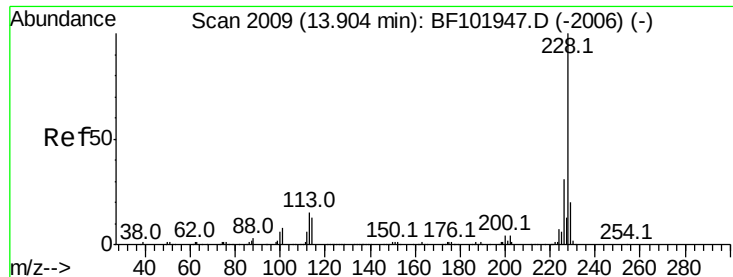
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	14.8	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 101.849 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.06 min
 Lab File: BF102270.D
 Acq: 20 Jan 2018 17:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.6	33.8
229	23.3	15.8	23.6





#82

Chrysene

Concen: 97.676 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

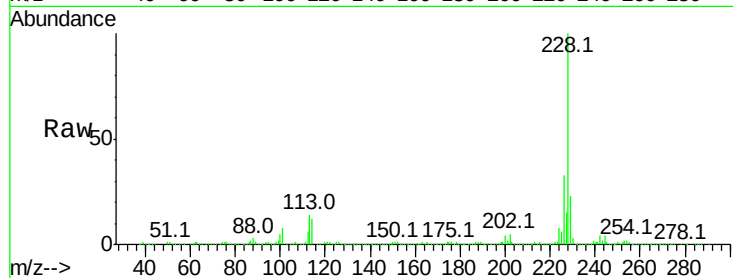
Tot Ion:228 Resp: 1482842

Ion Ratio Lower Upper

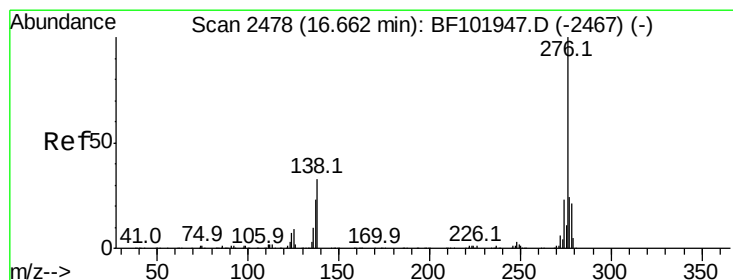
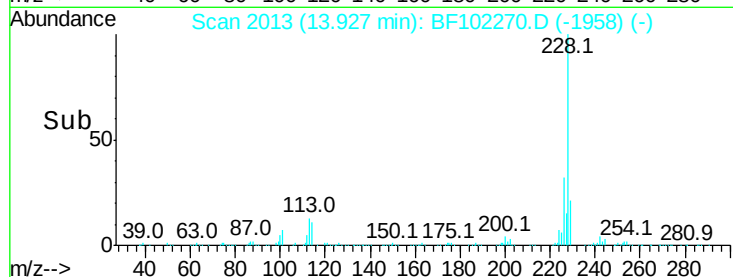
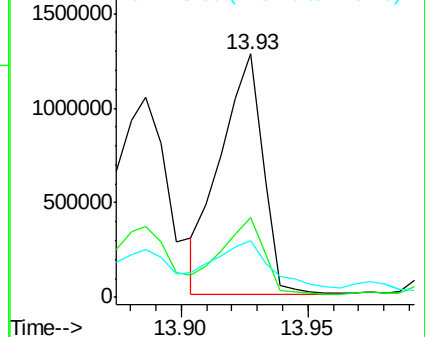
228 100

226 32.9 25.0 37.6

229 23.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 26.432 ng

RT: 16.71 min Scan# 2486

Delta R.T. 0.03 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

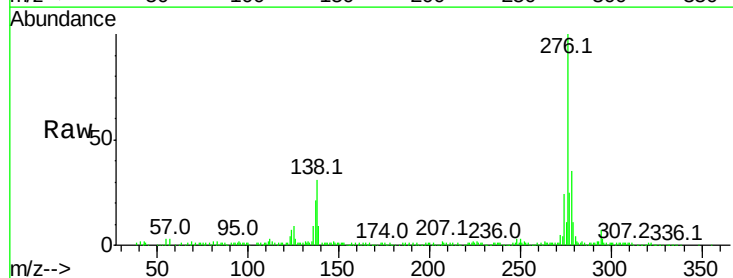
Tgt Ion:276 Resp: 292059

Ion Ratio Lower Upper

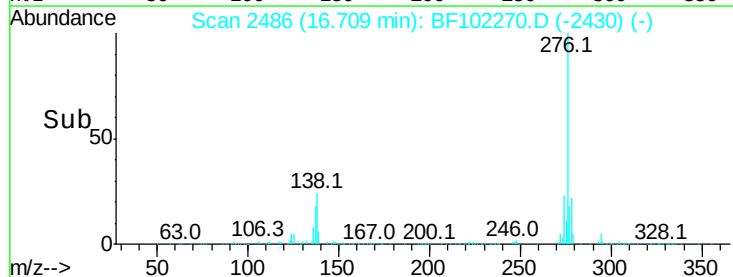
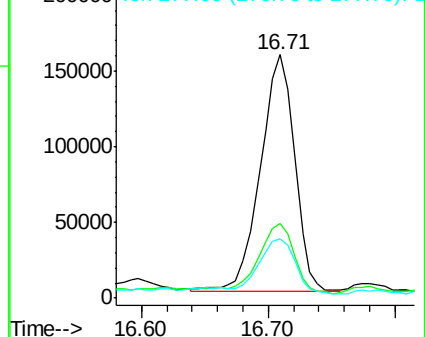
276 100

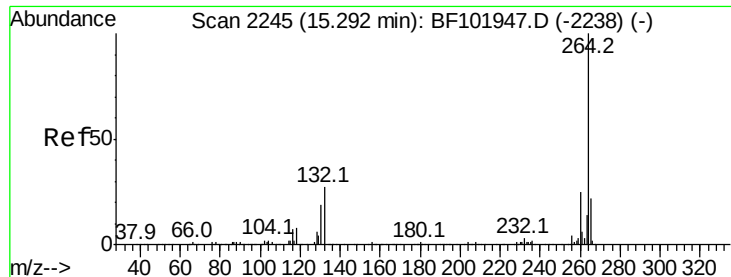
138 33.2 25.0 37.6

277 24.6 20.1 30.1



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

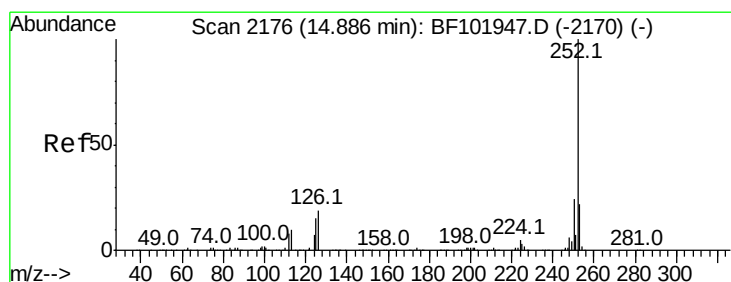
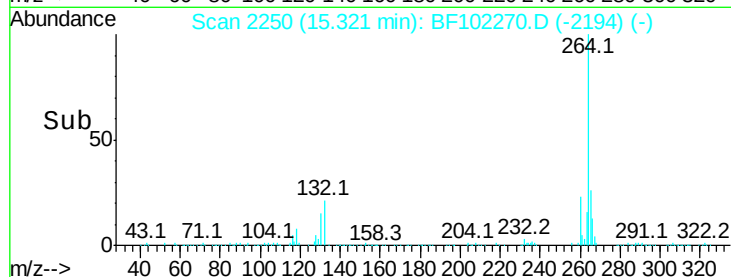
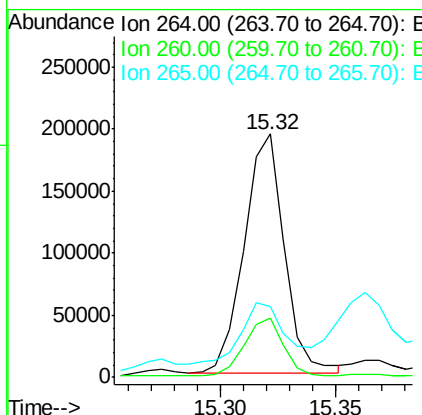
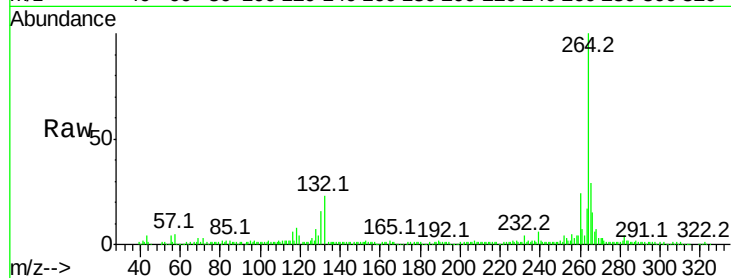




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.03 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

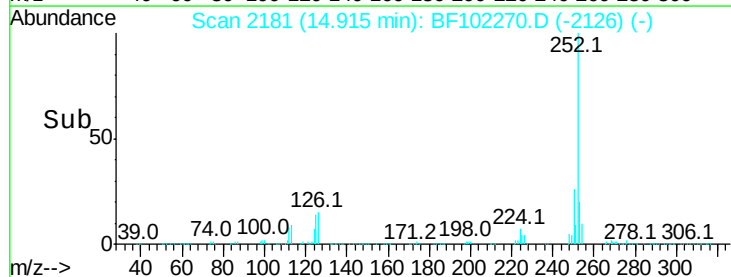
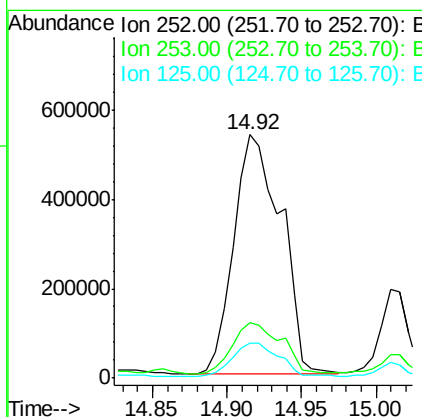
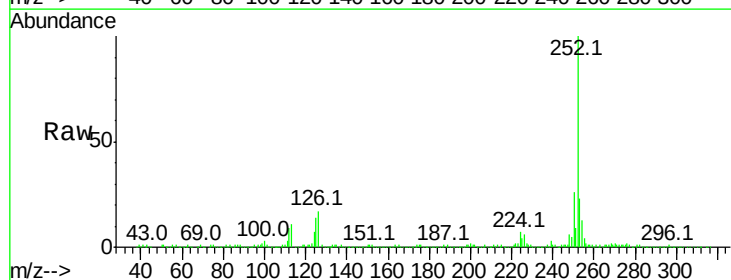
Instrument :
BNA_F
ClientSampled :

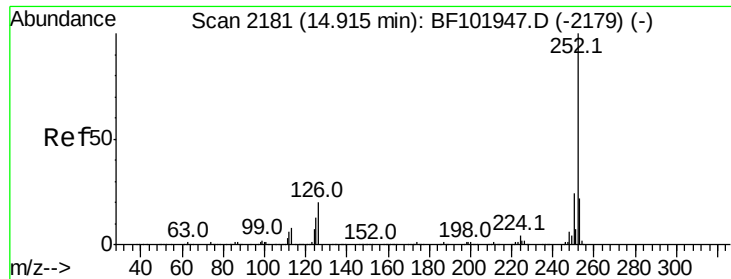
Tot Ion:264 Resp: 232780
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 28.9 17.5 26.3#



#87
Benzo(b)fluoranthene
Concen: 77.815 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Tgt Ion:252 Resp: 1181082
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 14.4 9.0 13.6#

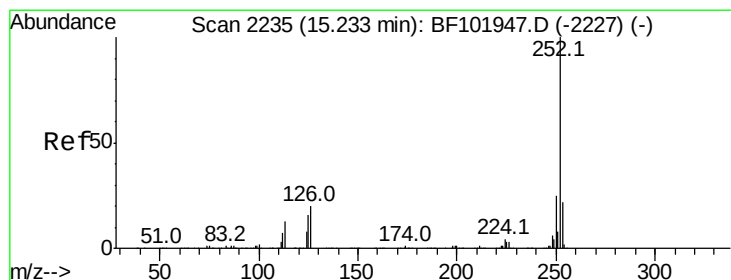
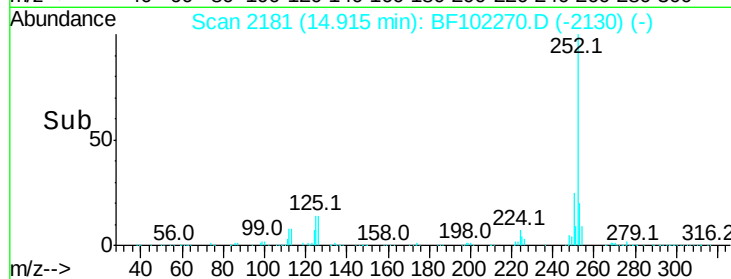
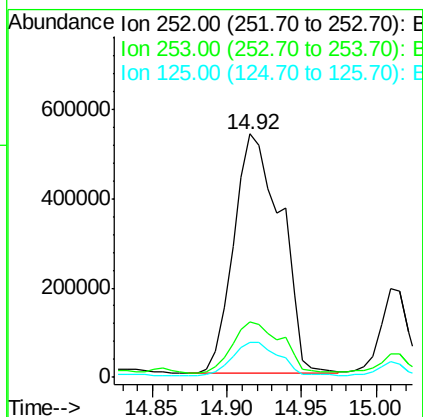
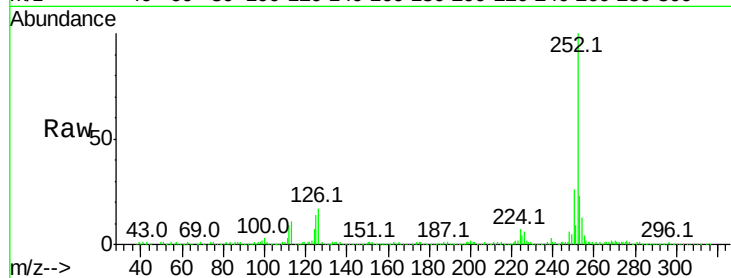




#88
Benzo(k)fluoranthene
Concen: 80.572 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

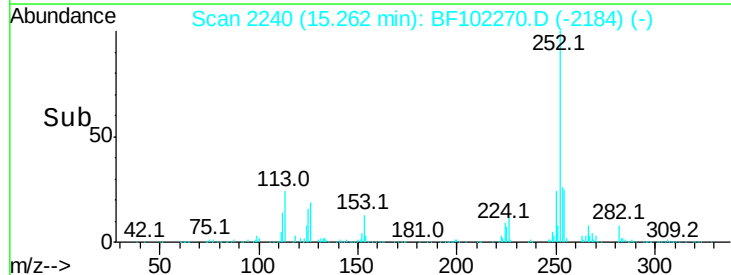
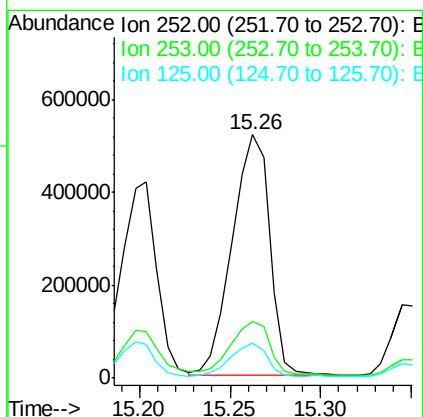
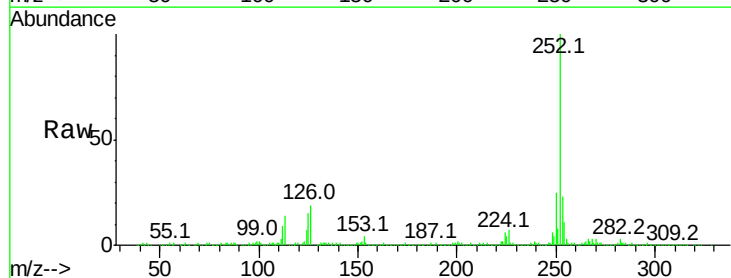
Instrument :
BNA_F
ClientSampleId :

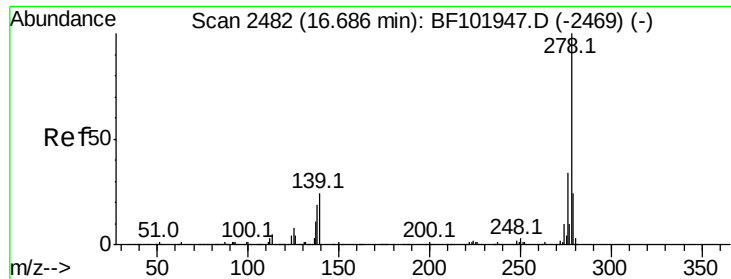
Tot Ion:252 Resp: 1179714
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 14.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 54.363 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.03 min
Lab File: BF102270.D
Acq: 20 Jan 2018 17:14

Tgt Ion:252 Resp: 742492
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 14.6 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 9.184 ng

RT: 16.71 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

Instrument :

BNA_F

ClientSampleId :

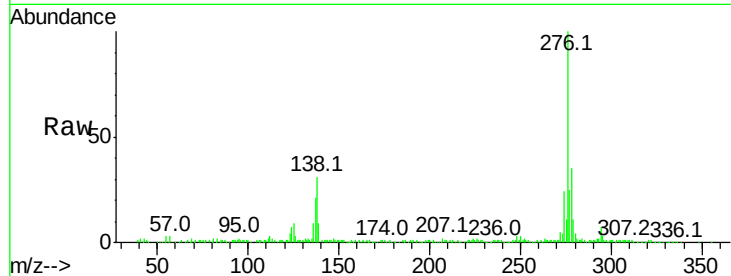
Tot Ion:278 Resp: 100100

Ion Ratio Lower Upper

278 100

139 26.9 15.9 23.9#

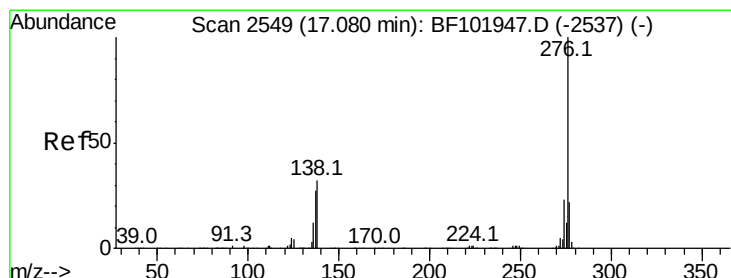
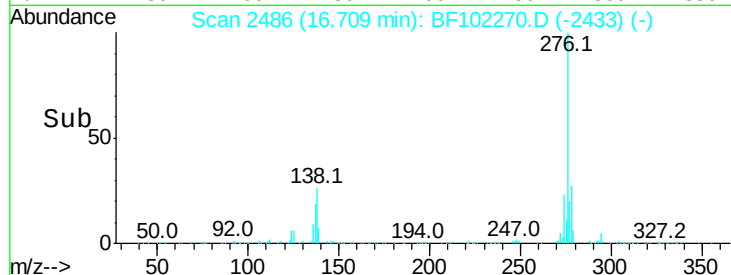
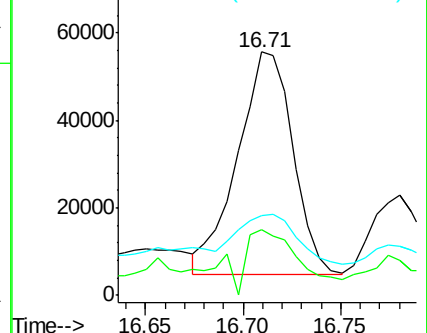
279 32.7 19.0 28.4#



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



#91

Benzo(g,h,i)perylene

Concen: 30.020 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.04 min

Lab File: BF102270.D

Acq: 20 Jan 2018 17:14

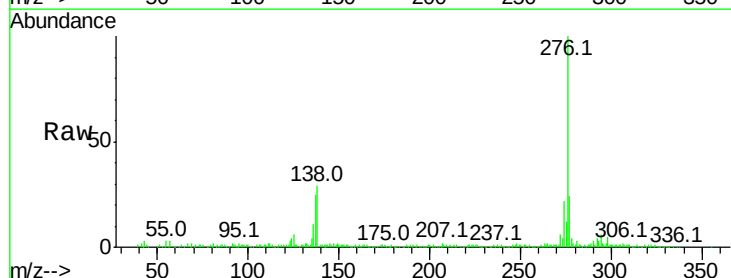
Tgt Ion:276 Resp: 329602

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 28.7 21.8 32.8



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

