

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF102004.D
 Acq On : 11 Jan 2018 2:37
 Operator : SJ/JU
 Sample : J1076-19 50X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-43-01

Quant Time: Jan 11 05:00:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	200854	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	800820	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	321784	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	465436	20.00	ng	0.00
75) Chrysene-d12	13.88	240	309421	20.00	ng	0.00
86) Perylene-d12	15.30	264	376715	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	6370	0.45	ng	0.00
7) Phenol-d6	6.35	99	7411	0.44	ng	0.00
23) Nitrobenzene-d5	7.28	82	3901	0.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	919	0.33	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	8005	0.39	ng	-0.01
78) Terphenyl-d14	12.82	244	5630	0.38	ng	-0.01

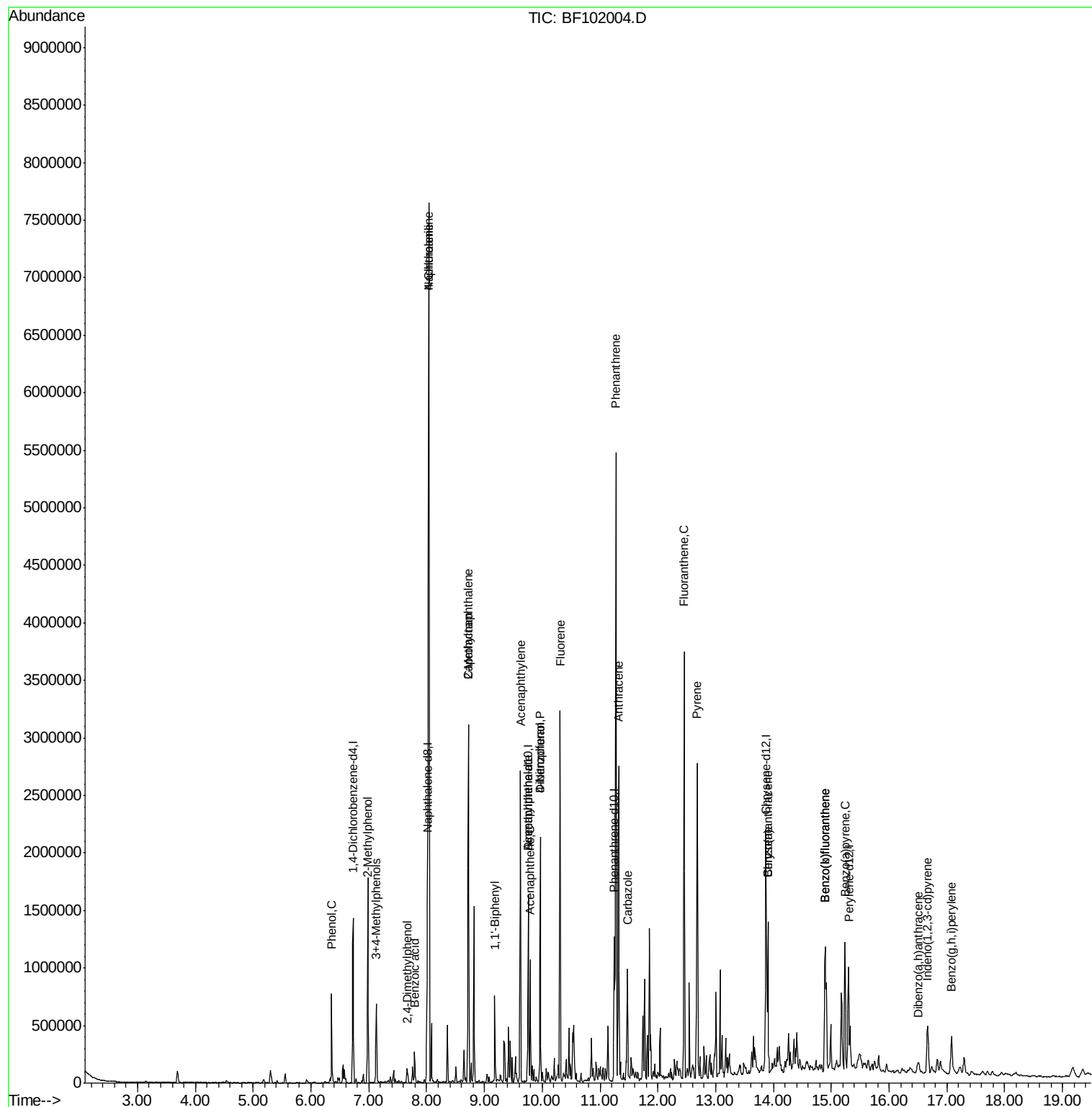
Target Compounds				Qvalue		
10) Phenol	6.36	94	230859	12.037	ng	99
17) 2-Methylphenol	6.97	107	46064	3.579	ng	99
20) 3+4-Methylphenols	7.13	107	149524	9.677	ng	91
27) 2,4-Dimethylphenol	7.66	122	31216	2.727	ng	91
31) Naphthalene	8.04	128	4578136	114.409	ng	98
32) Benzoic acid	7.79	122	26629	3.068	ng	# 16
33) 4-Chloroaniline	8.04	127	642815	37.637	ng	# 34
35) Caprolactam	8.72	113	17065	4.573	ng	# 1
37) 2-Methylnaphthalene	8.72	142	795966	30.215	ng	99
45) 1,1'-Biphenyl	9.18	154	212546	7.473	ng	97
48) Acenaphthylene	9.62	152	1011642	28.902	ng	99
49) Dimethylphthalate	9.76	163	93620	3.627	ng	# 1
51) Acenaphthene	9.79	154	188703	8.882	ng	99
54) Dibenzofuran	9.96	168	772493	26.494	ng	98
55) 4-Nitrophenol	9.96	139	297178	61.278	ng	# 10
57) Fluorene	10.31	166	868684	43.098	ng	100
70) Phenanthrene	11.27	178	2284101	84.012	ng	99
71) Anthracene	11.32	178	976036	35.398	ng	99
72) Carbazole	11.47	167	354533	13.081	ng	99
74) Fluoranthene	12.46	202	1503405	56.204	ng	99
77) Pyrene	12.69	202	1169672	42.765	ng	100
80) Benzo(a)anthracene	13.90	228	485560	24.595	ng	94
82) Chrysene	13.90	228	485560	23.588	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	263239	17.569	ng	99
87) Benzo(b)fluoranthene	14.89	252	842093	34.283	ng	# 95
88) Benzo(k)fluoranthene	14.89	252	842093	35.538	ng	# 97
89) Benzo(a)pyrene	15.24	252	497514	22.509	ng	95
90) Dibenzo(a,h)anthracene	16.50	278	53609	3.039	ng	92
91) Benzo(g,h,i)perylene	17.08	276	226441	12.744	ng	97

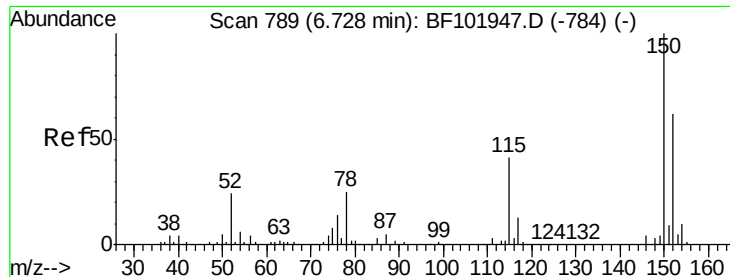
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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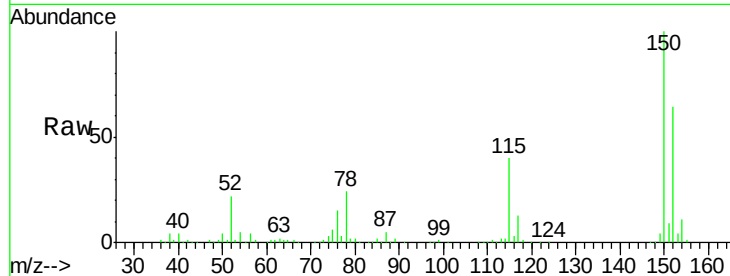


#1

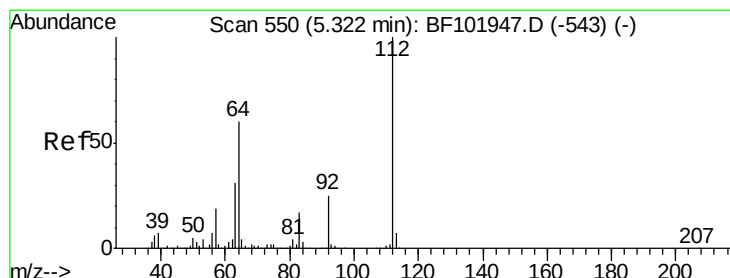
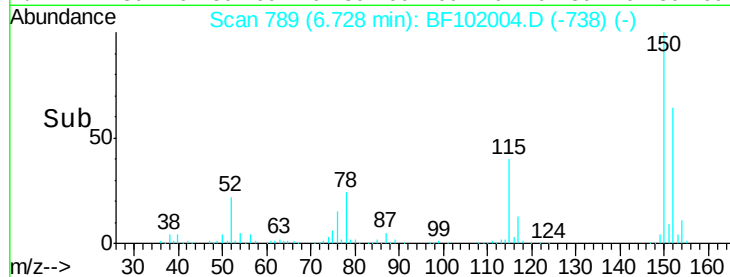
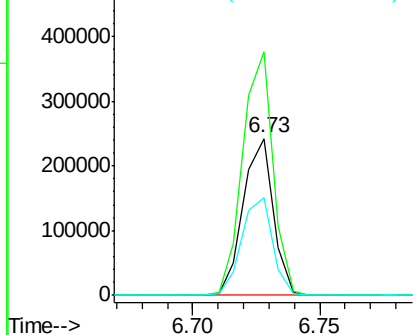
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Instrument :
BNA_F
ClientSampleId :
WC-43-01

Tot Ion:152 Resp: 200854
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 61.9 50.1 75.1



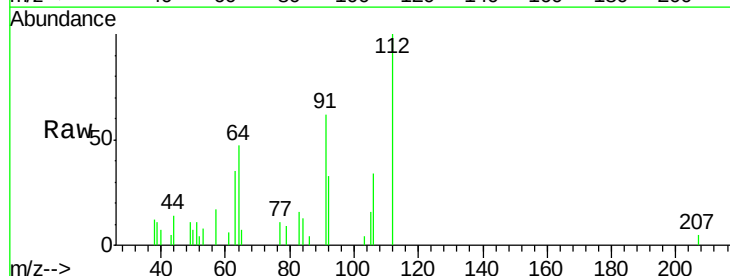
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



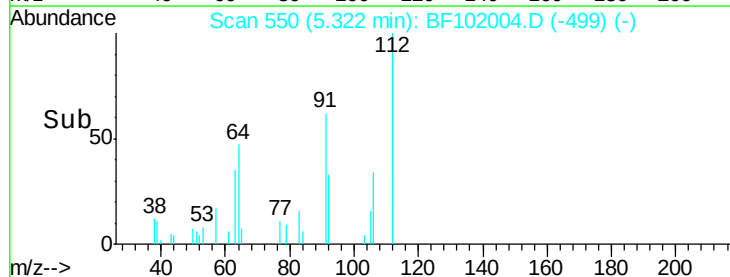
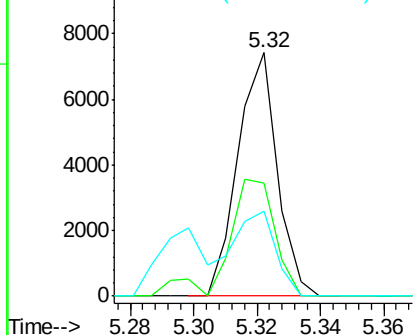
#5

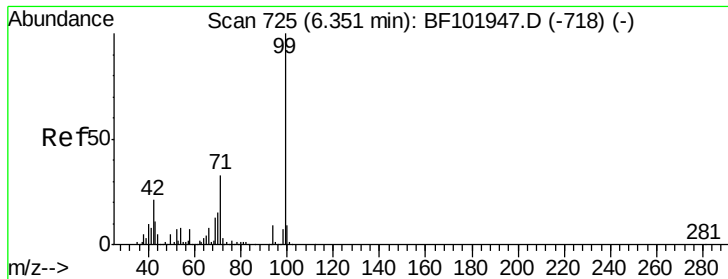
2-Fluorophenol
Concen: 0.448 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion:112 Resp: 6370
Ion Ratio Lower Upper
112 100
64 46.7 47.9 71.9#
63 35.0 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: 0.437 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

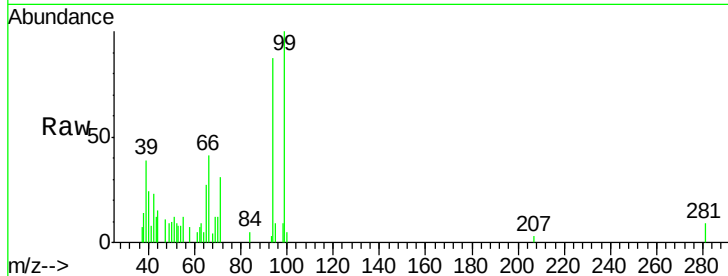
Tot Ion: 99 Resp: 7411

Ion Ratio Lower Upper

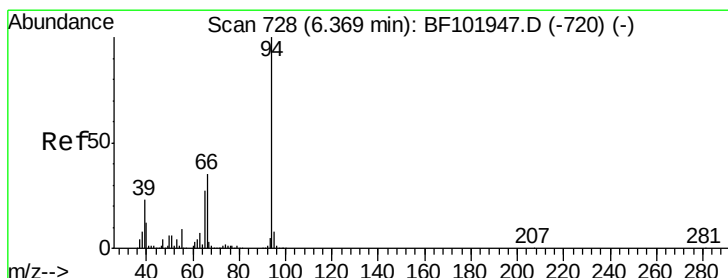
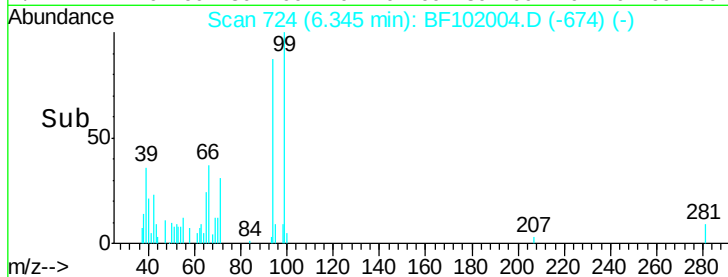
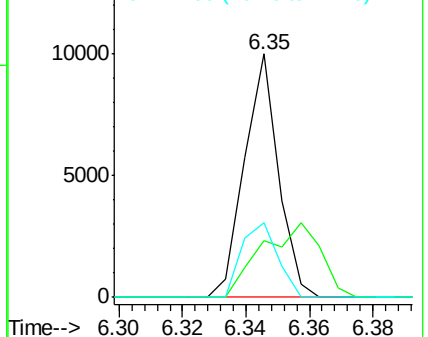
99 100

42 23.2 14.5 21.7#

71 30.8 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



#10

Phenol

Concen: 12.037 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

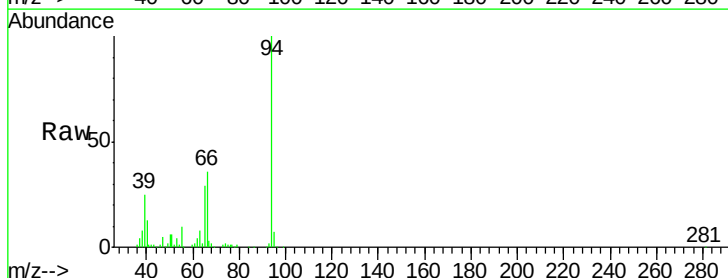
Tgt Ion: 94 Resp: 230859

Ion Ratio Lower Upper

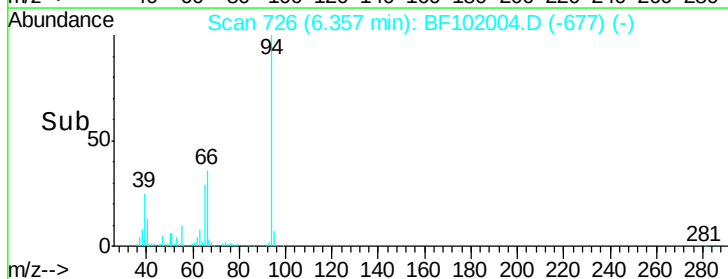
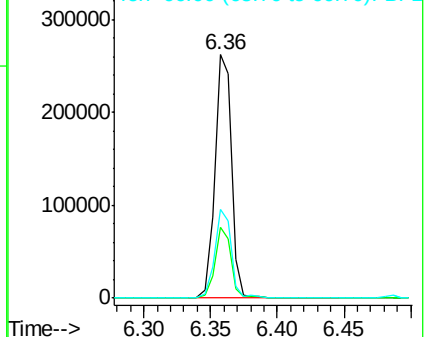
94 100

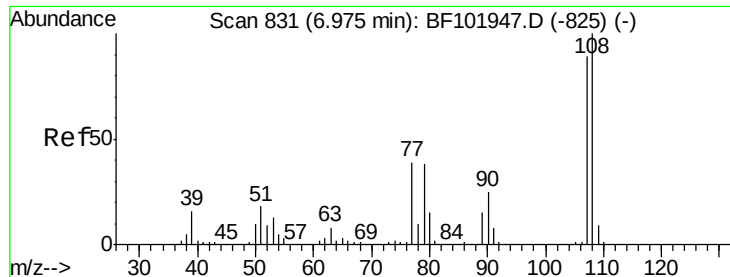
65 29.0 7.9 47.9

66 36.2 16.2 56.2



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

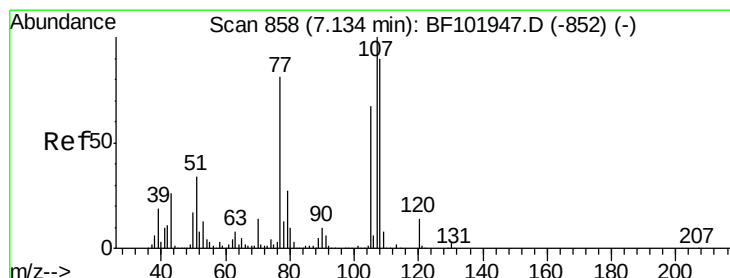
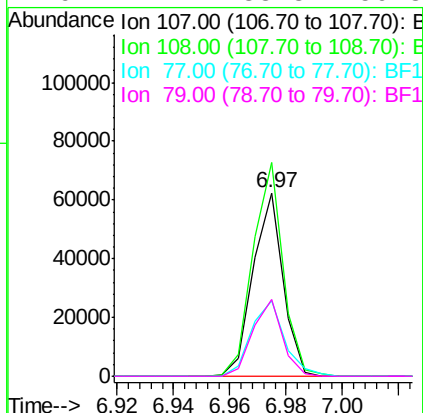
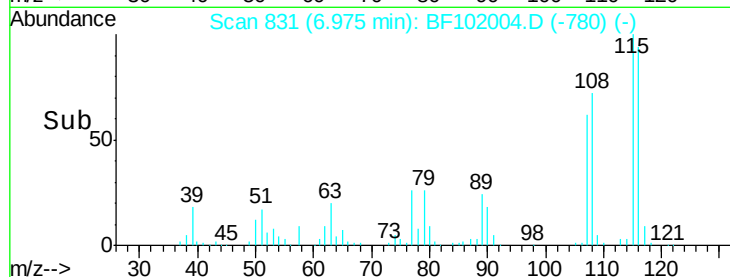
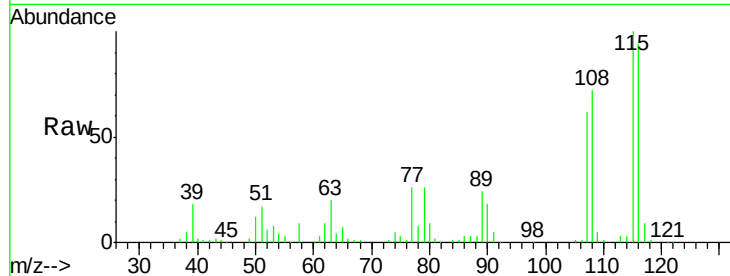




#17
2-Methylphenol
Concen: 3.579 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

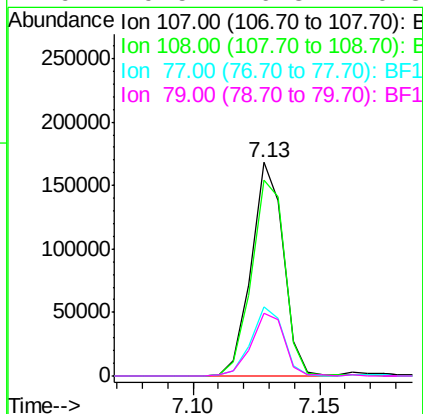
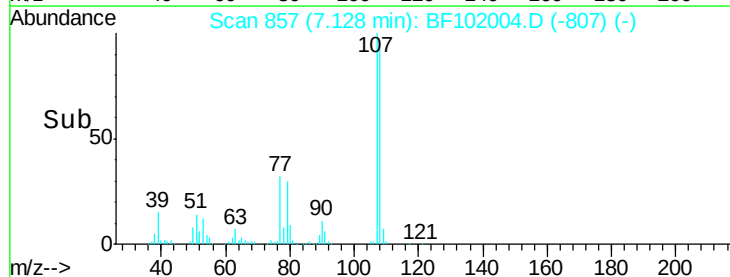
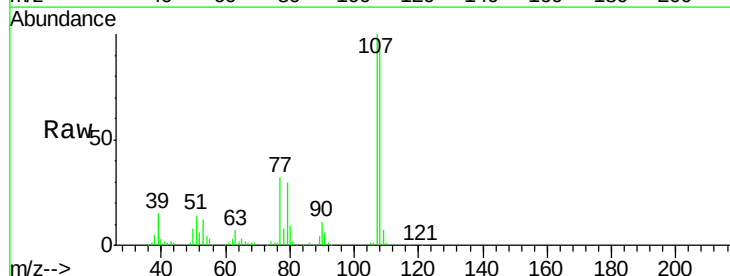
Instrument :
BNA_F
ClientSampled :
WC-43-01

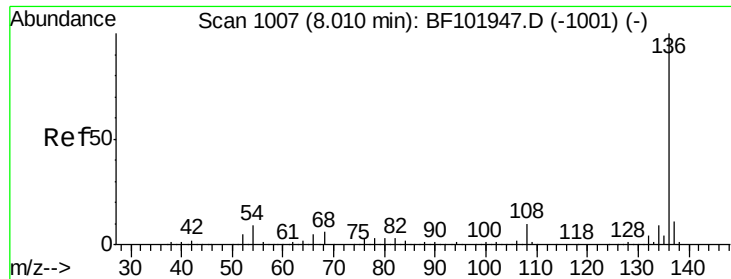
Tot Ion	Ratio	Lower	Upper
107	100		
108	116.3	91.7	137.5
77	41.3	33.8	50.8
79	41.7	33.8	50.8



#20
3+4-Methylphenols
Concen: 9.677 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.8	68.2	108.2
77	32.2	26.7	66.7
79	29.5	6.3	46.3

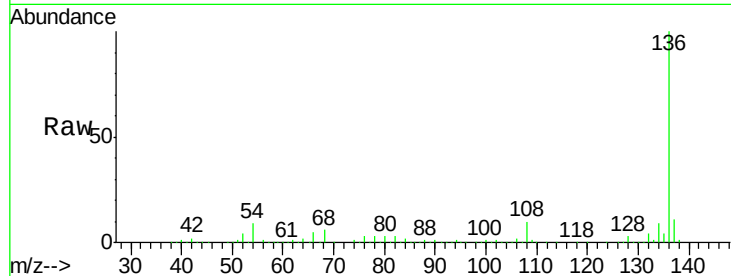




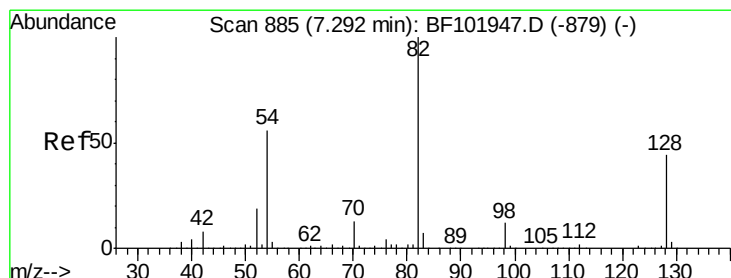
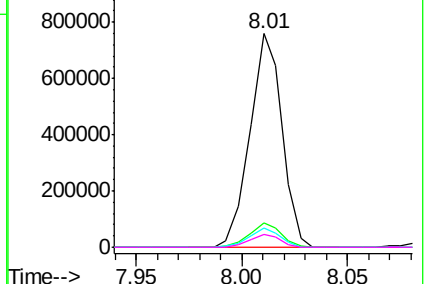
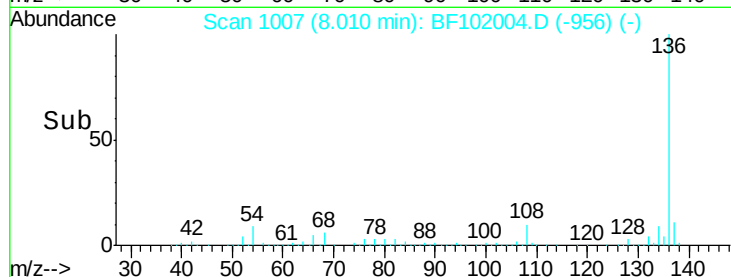
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Instrument :
BNA_F
ClientSampleId :
WC-43-01

Tot Ion:136	Resp:	800820
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	8.9	6.6 9.8
68	6.1	5.0 7.4

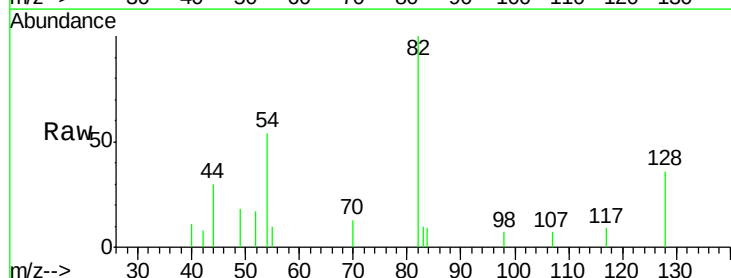


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

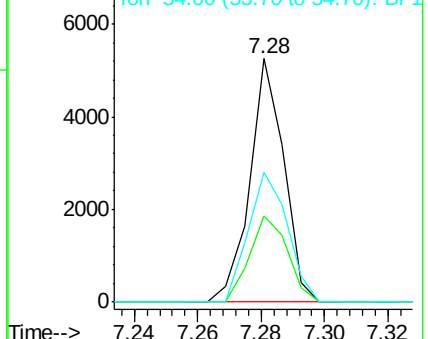
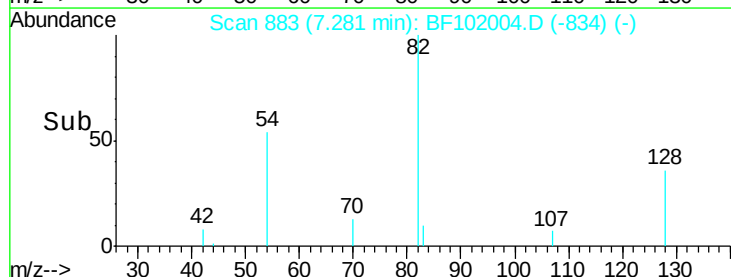


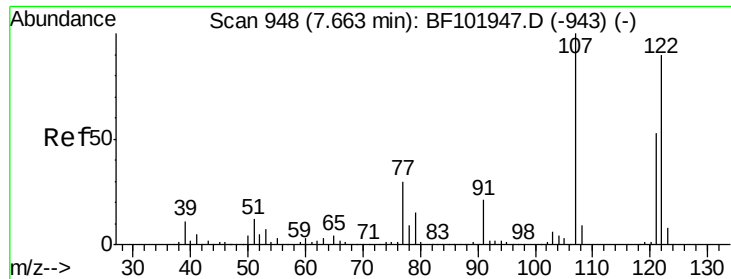
#23
Nitrobenzene-d5
Concen: 0.286 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion: 82	Resp:	3901
Ion Ratio	Lower	Upper
82	100	
128	35.6	36.1 54.1#
54	53.5	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

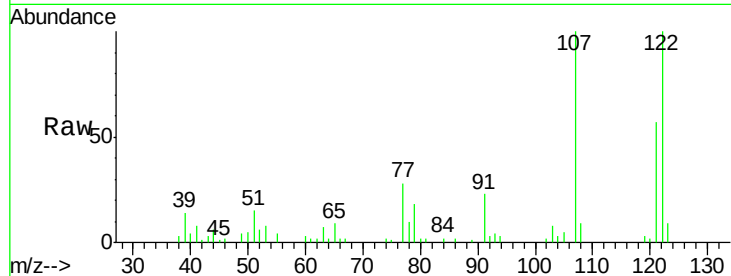




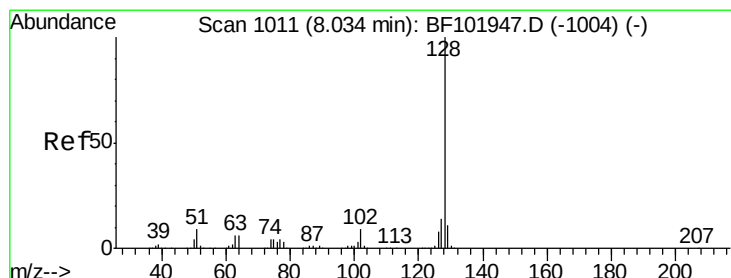
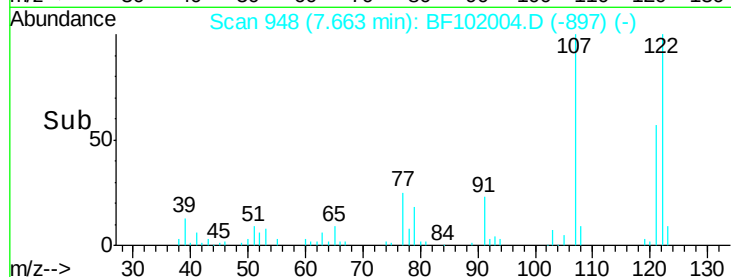
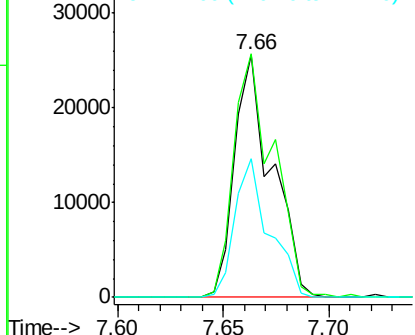
#27
2,4-Dimethylphenol
Concen: 2.727 ng
RT: 7.66 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Instrument :
BNA_F
ClientSampled :
WC-43-01

Tot Ion:122 Resp: 31216
Ion Ratio Lower Upper
122 100
107 100.4 91.2 136.8
121 57.4 47.2 70.8

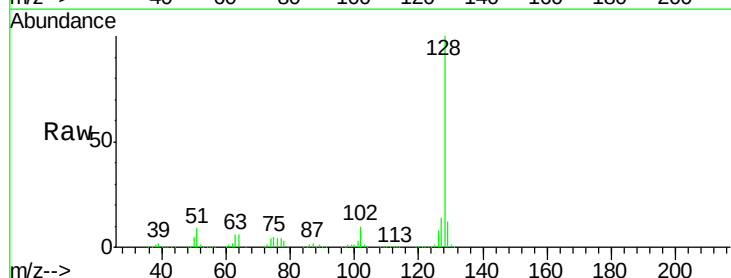


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

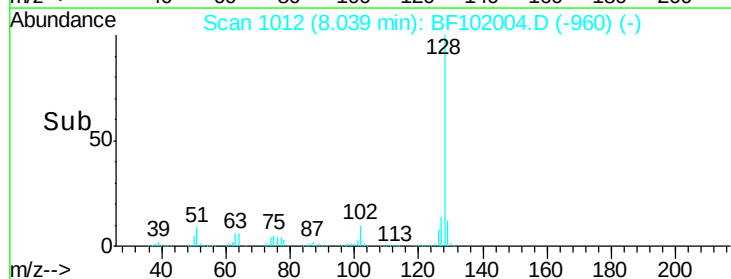
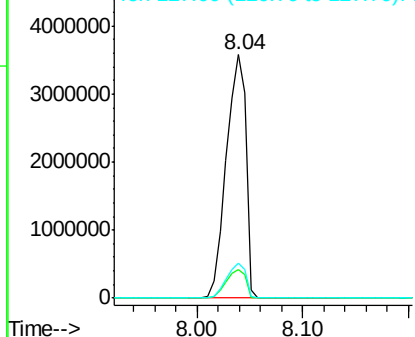


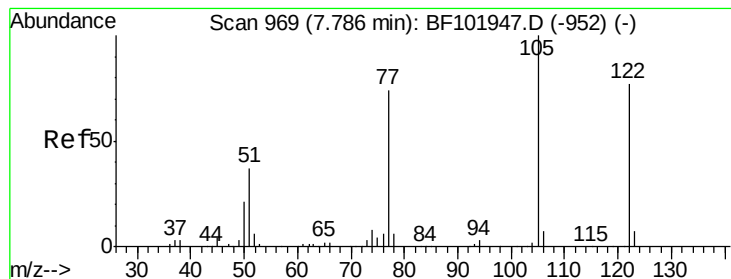
#31
Naphthalene
Concen: 114.409 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion:128 Resp: 4578136
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 14.4 10.9 16.3



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





#32

Benzoic acid

Concen: 3.068 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

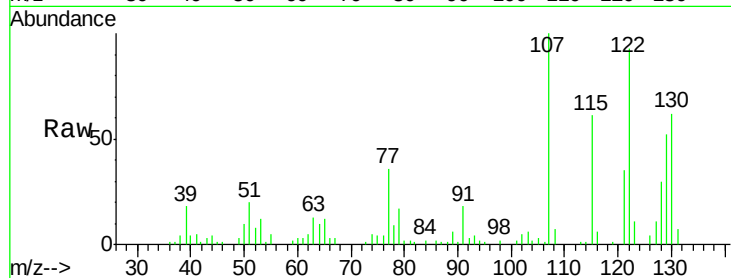
Tot Ion:122 Resp: 26629

Ion Ratio Lower Upper

122 100

105 3.0 101.1 141.1#

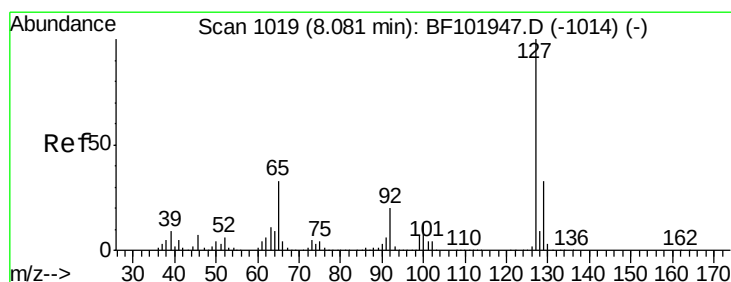
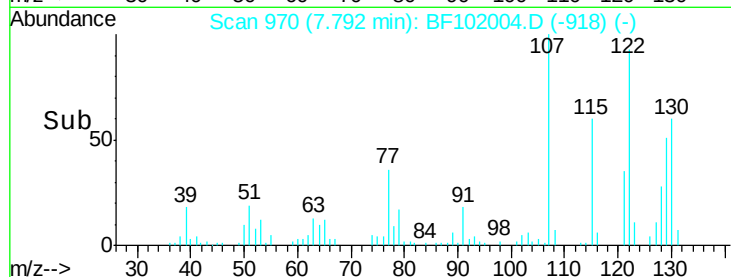
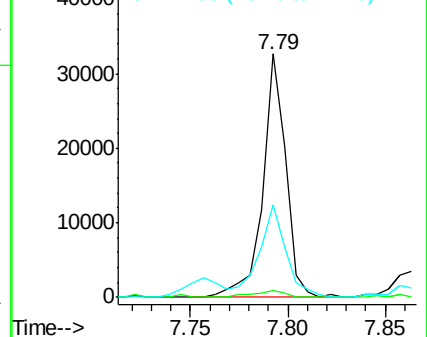
77 38.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 37.637 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.04 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Tgt Ion:127 Resp: 642815

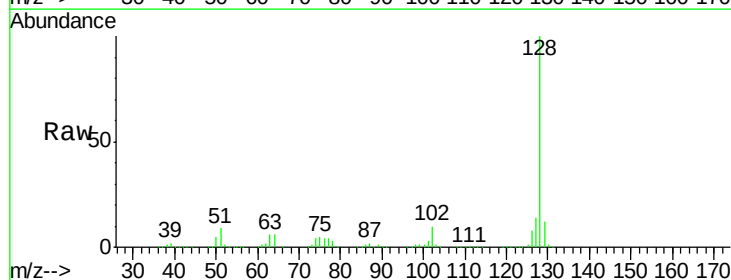
Ion Ratio Lower Upper

127 100

129 82.8 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

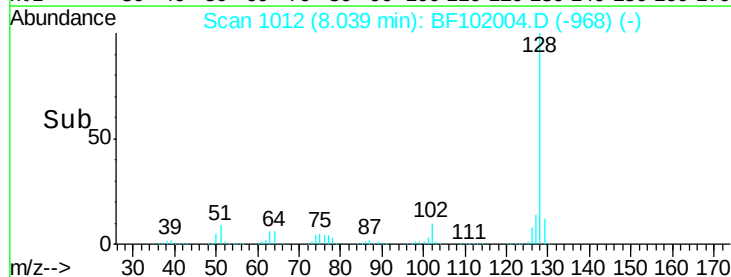
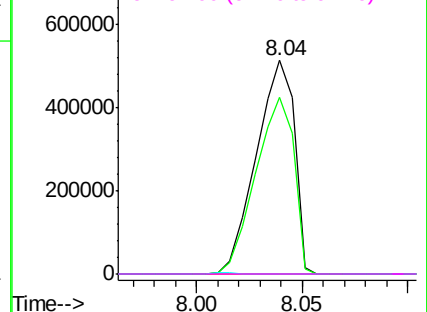


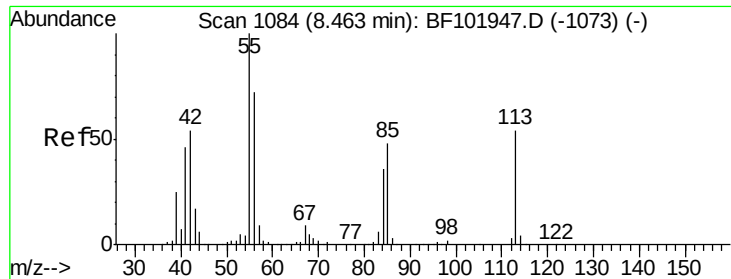
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

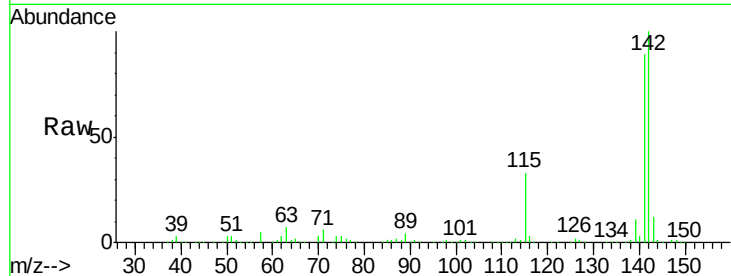




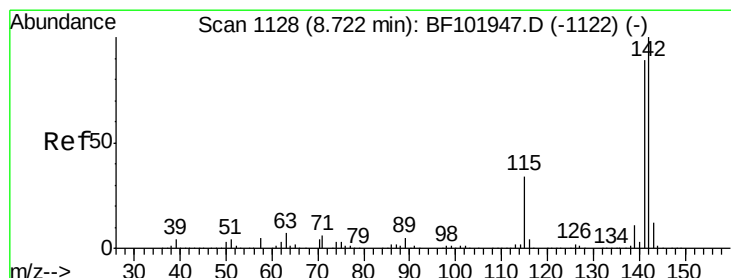
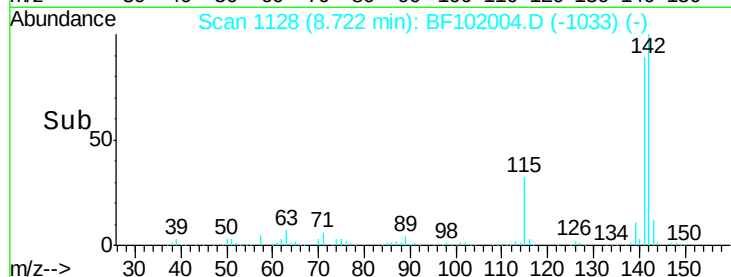
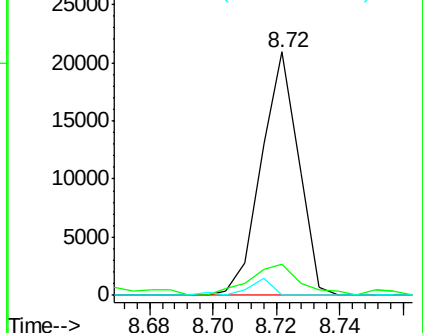
#35
Caprolactam
Concen: 4.573 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.26 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Instrument :
BNA_F
ClientSampleId :
WC-43-01

Tot Ion:113 Resp: 17065
Ion Ratio Lower Upper
113 100
55 12.6 163.3 203.3#
56 0.0 115.7 155.7#

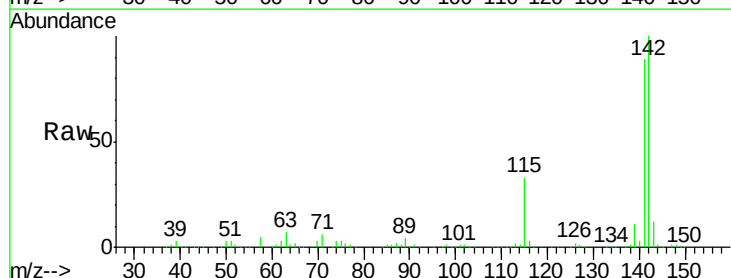


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

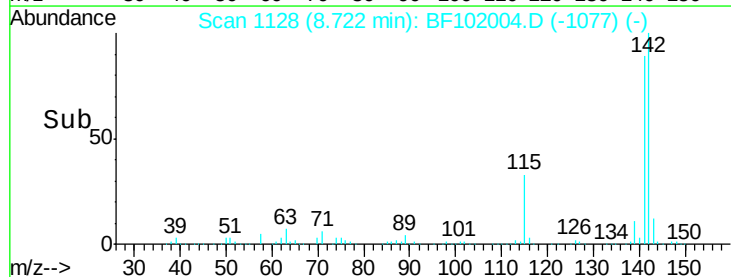
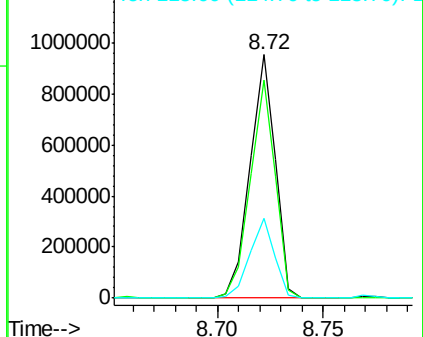


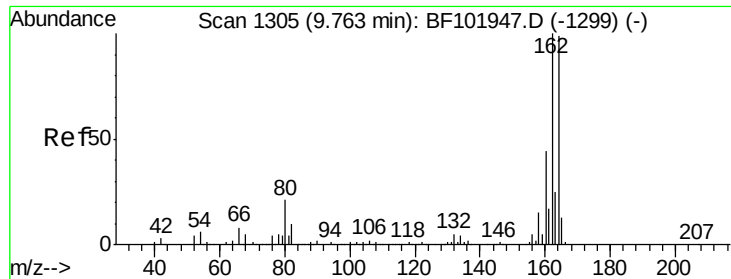
#37
2-Methylnaphthalene
Concen: 30.215 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion:142 Resp: 795966
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2
115 32.5 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

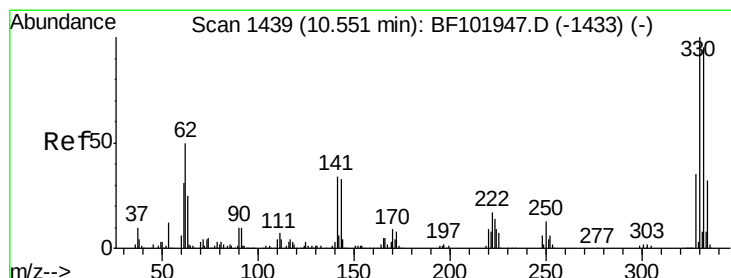
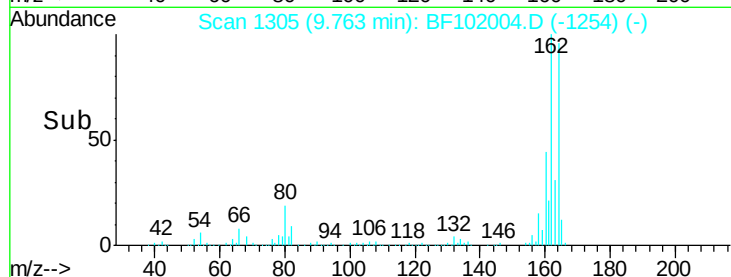
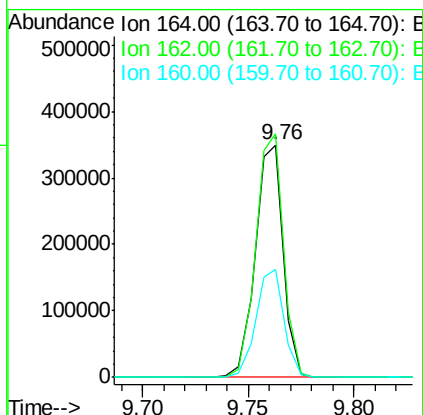
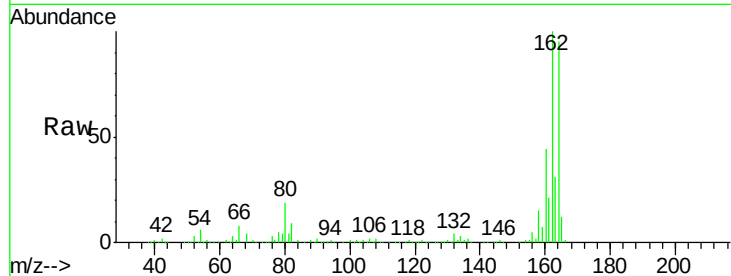




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

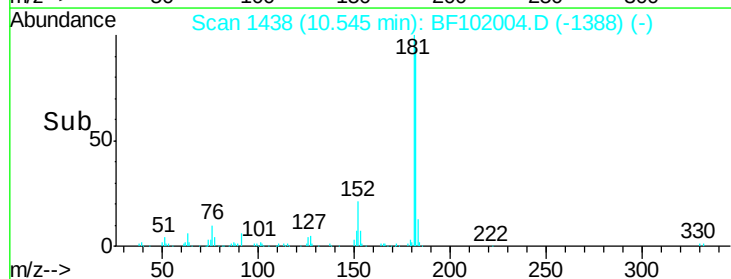
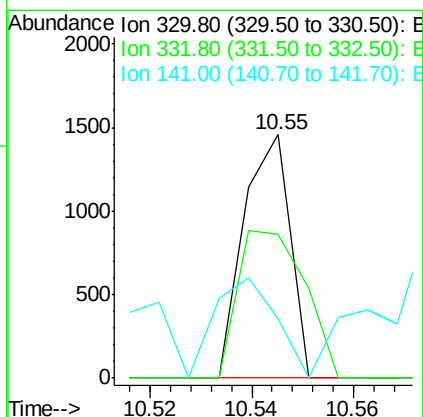
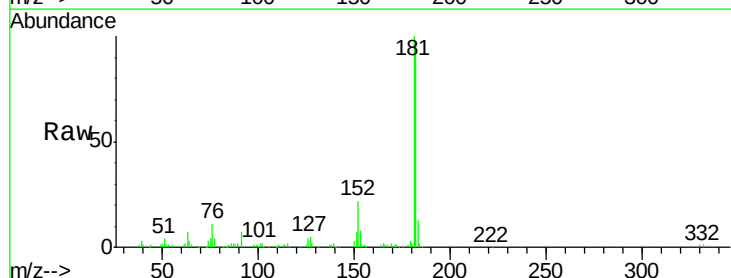
Instrument :
BNA_F
ClientSampleId :
WC-43-01

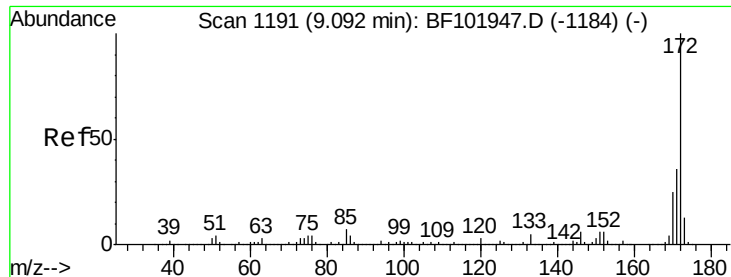
Tot Ion:164 Resp: 321784
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 46.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 0.327 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion:330 Resp: 919
Ion Ratio Lower Upper
330 100
332 87.7 77.0 115.6
141 54.8 29.9 44.9#

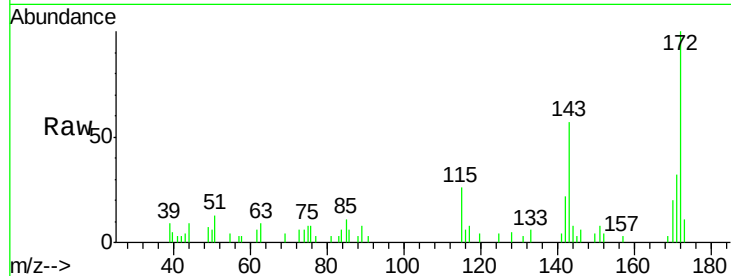




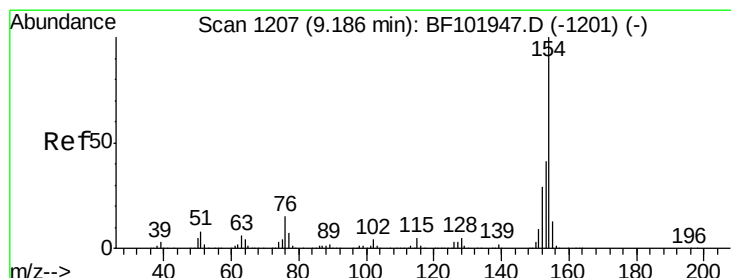
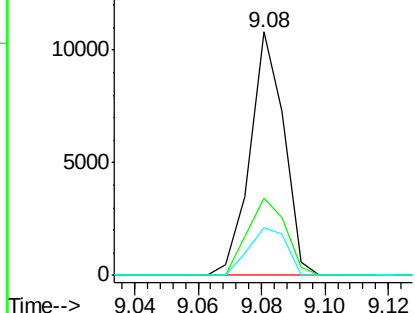
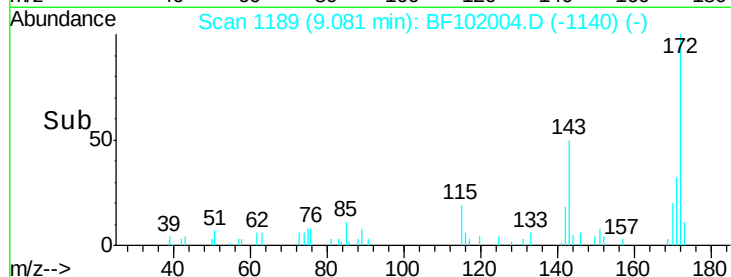
#44
 2-Fluorobiphenyl
 Concen: 0.389 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102004.D
 Acq: 11 Jan 2018 2:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-43-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	31.6	29.7	44.5
170	19.7	19.6	29.4

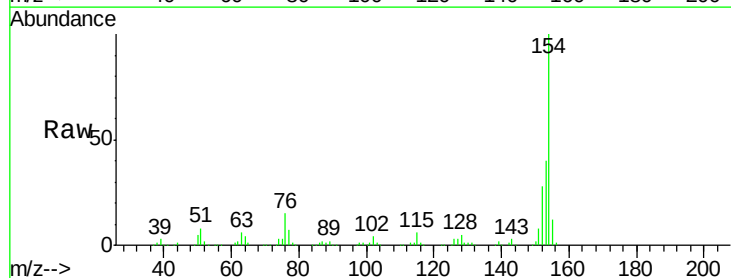


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

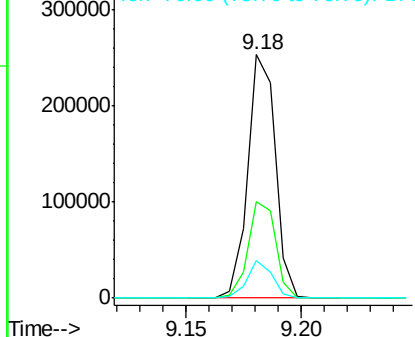
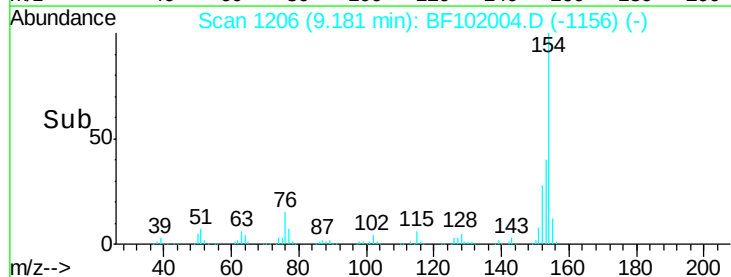


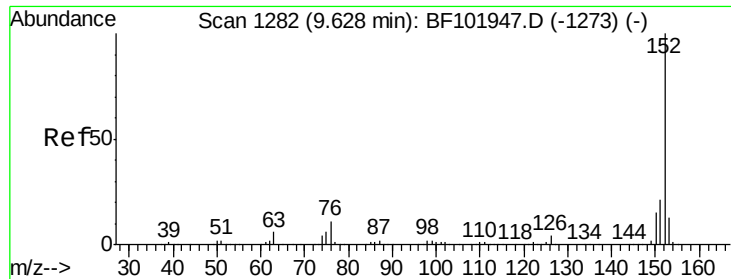
#45
 1,1'-Biphenyl
 Concen: 7.473 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF102004.D
 Acq: 11 Jan 2018 2:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.3	61.3
76	15.2	0.0	34.0



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





#48

Acenaphthylene

Concen: 28.902 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

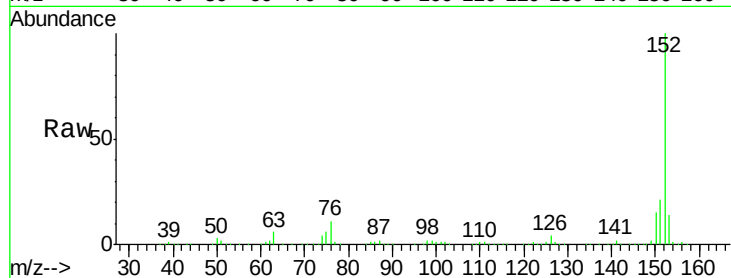
Tot Ion:152 Resp: 1011642

Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

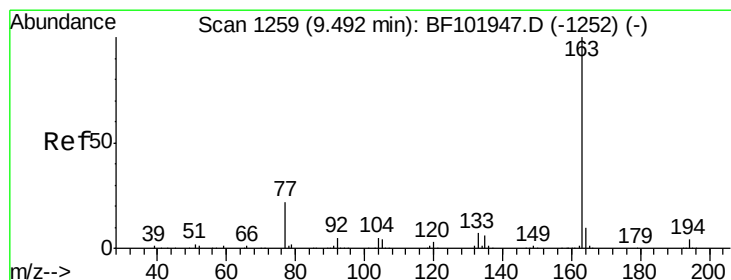
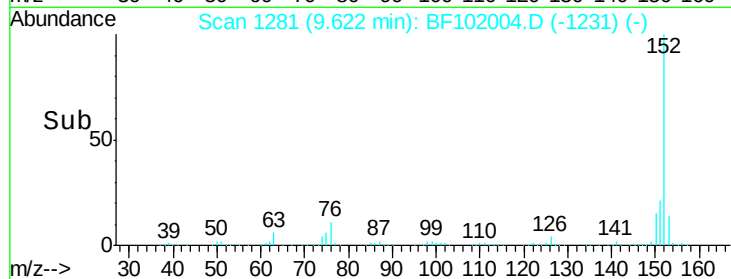
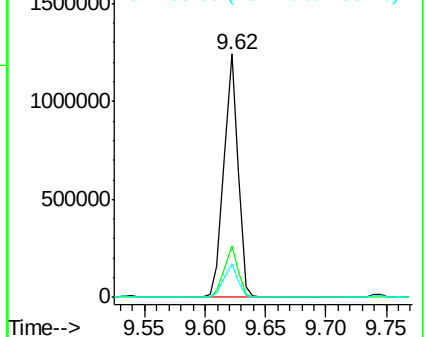
153 13.7 10.7 16.1



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: 3.627 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.27 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

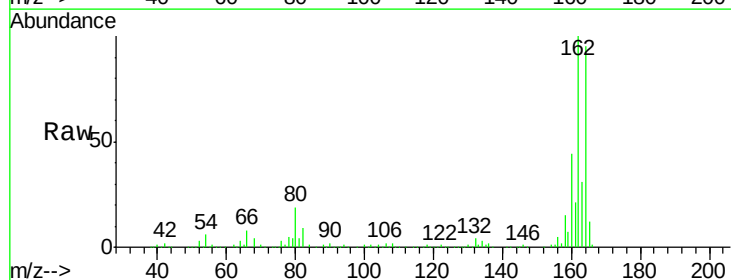
Tgt Ion:163 Resp: 93620

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

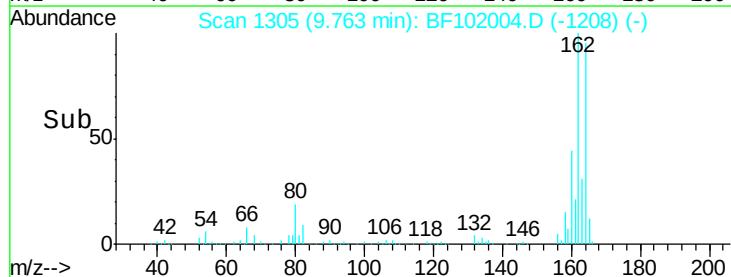
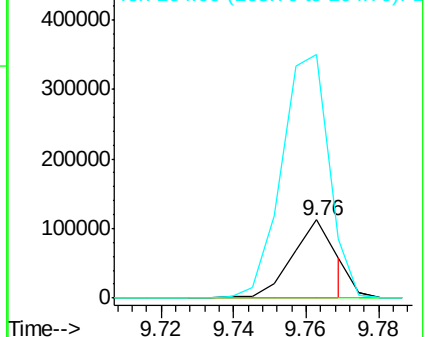
164 310.7 8.2 12.2#

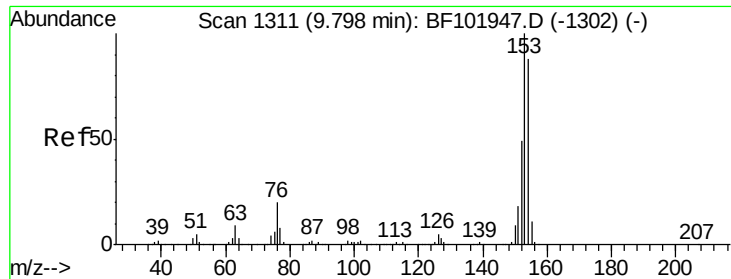


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 8.882 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

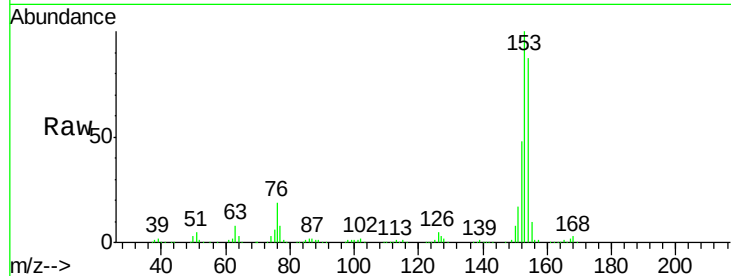
Tot Ion:154 Resp: 188703

Ion Ratio Lower Upper

154 100

153 114.6 91.2 136.8

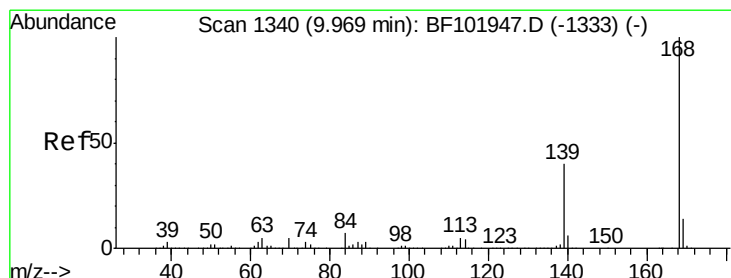
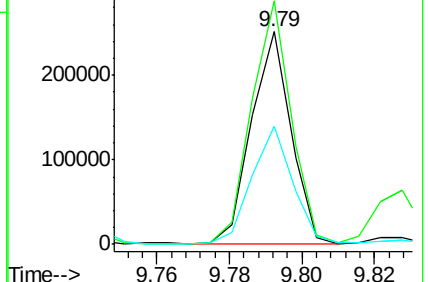
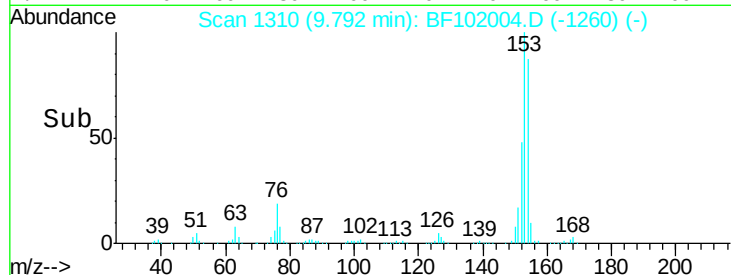
152 55.3 43.8 65.8



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



#54

Dibenzofuran

Concen: 26.494 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

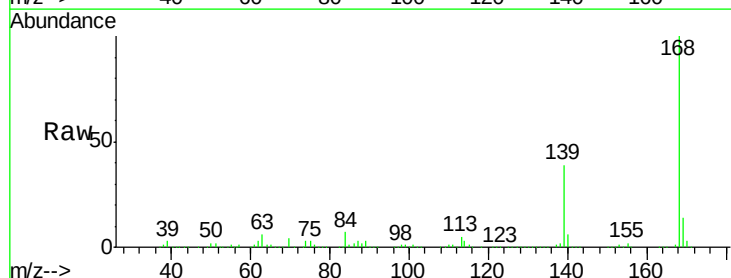
Tgt Ion:168 Resp: 772493

Ion Ratio Lower Upper

168 100

139 39.4 30.1 45.1

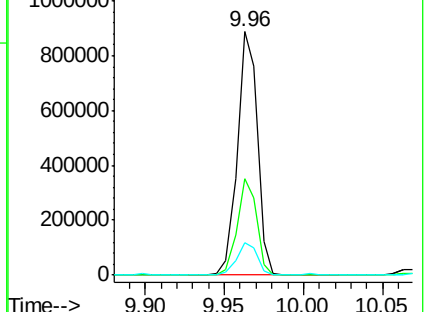
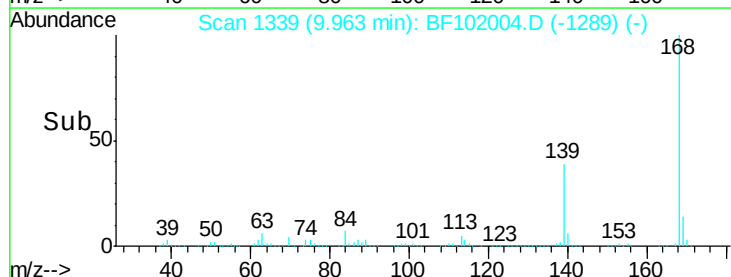
169 13.5 10.9 16.3

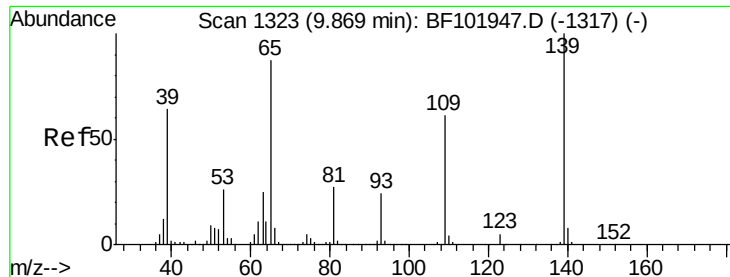


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

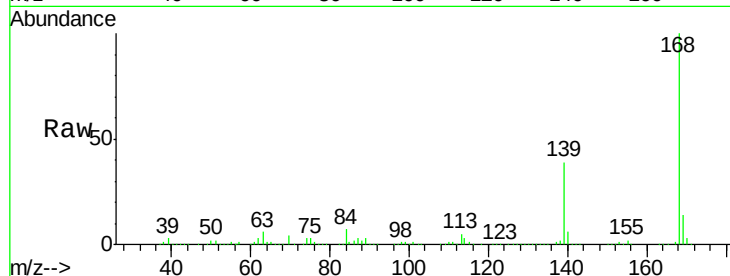




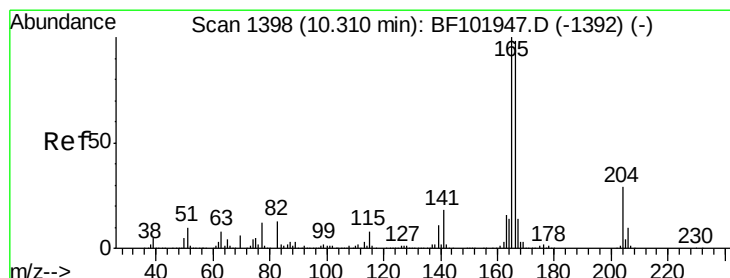
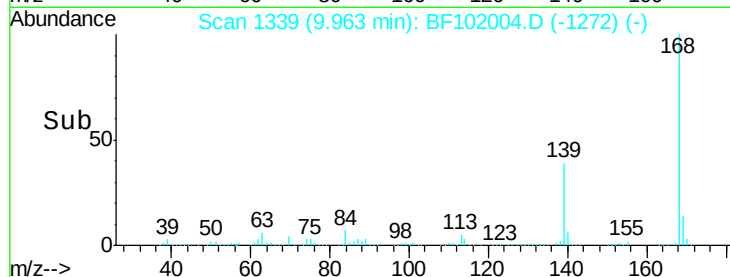
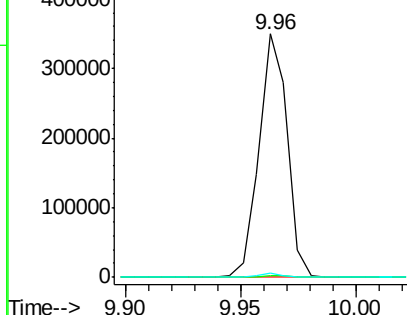
#55
4-Nitrophenol
Concen: 61.278 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.09 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Instrument :
BNA_F
ClientSampleId :
WC-43-01

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.9	48.4	88.4#
65	1.7	72.6	112.6#

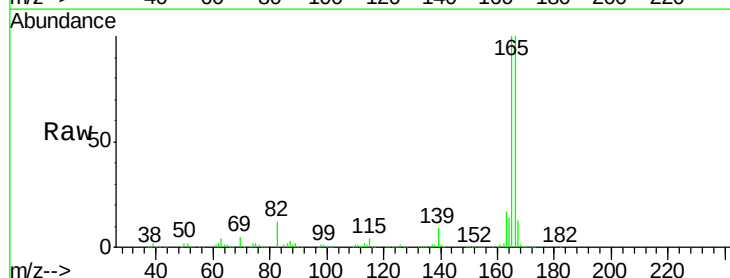


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

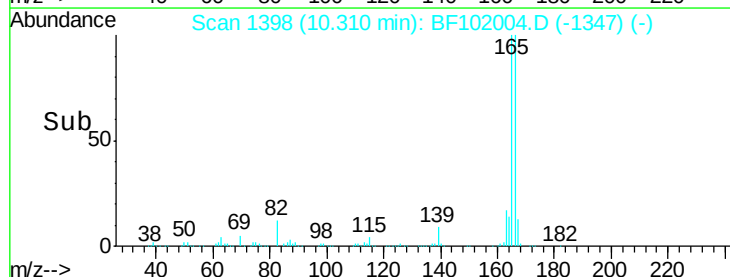
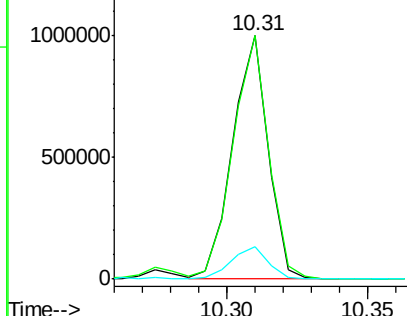


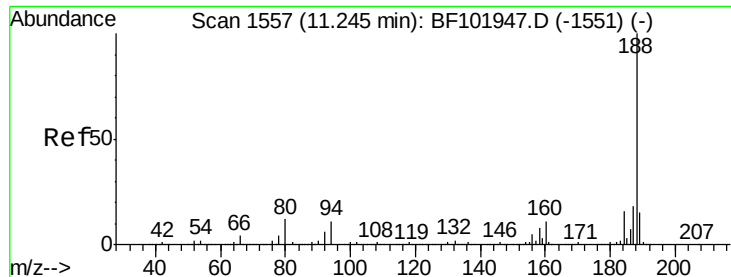
#57
Fluorene
Concen: 43.098 ng
RT: 10.31 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.8	119.8
167	13.4	10.6	16.0



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

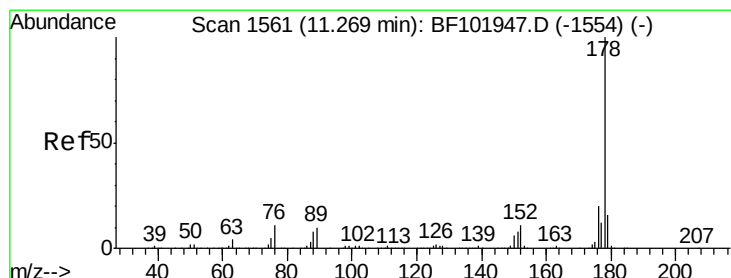
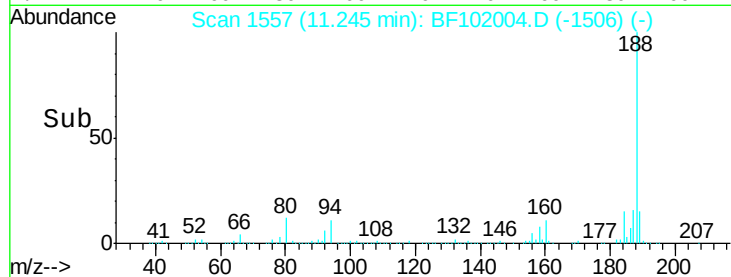
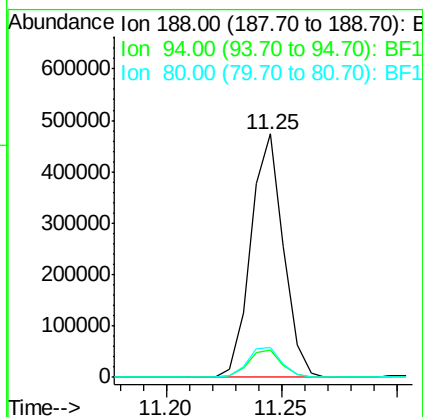
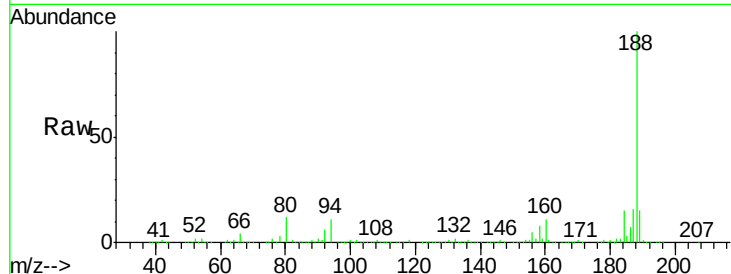




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BF102004.D
 Acq: 11 Jan 2018 2:37

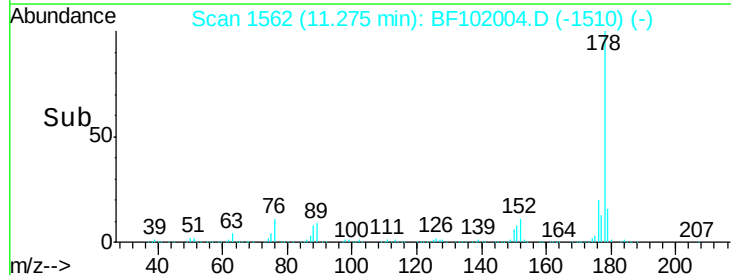
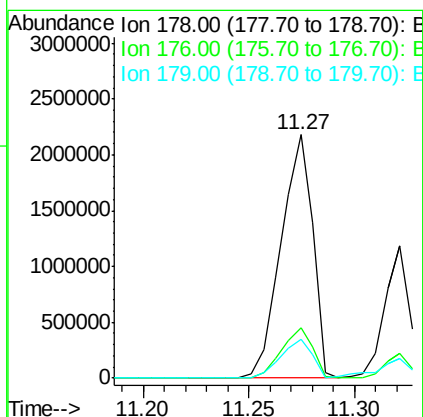
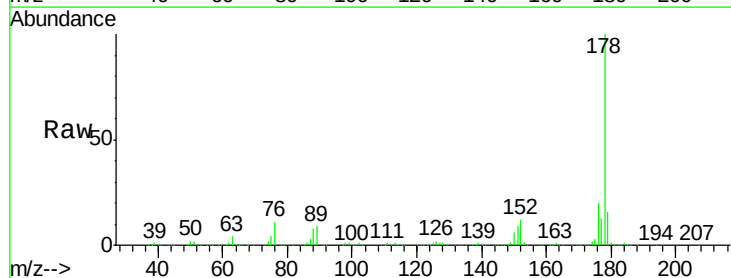
Instrument :
 BNA_F
 ClientSampleId :
 WC-43-01

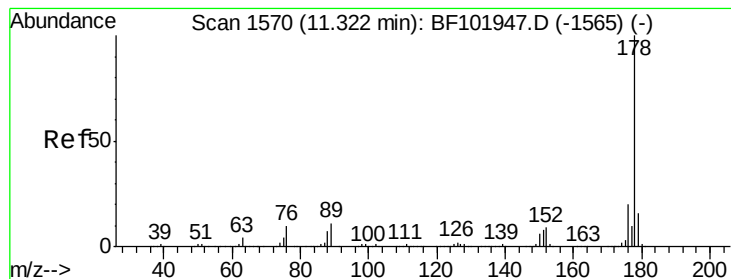
Tot Ion:188 Resp: 465436
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 12.1 9.2 13.8



#70
 Phenanthrene
 Concen: 84.012 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: BF102004.D
 Acq: 11 Jan 2018 2:37

Tgt Ion:178 Resp: 2284101
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.8 23.8
 179 15.9 13.0 19.6





#71

Anthracene

Concen: 35.398 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampled :

WC-43-01

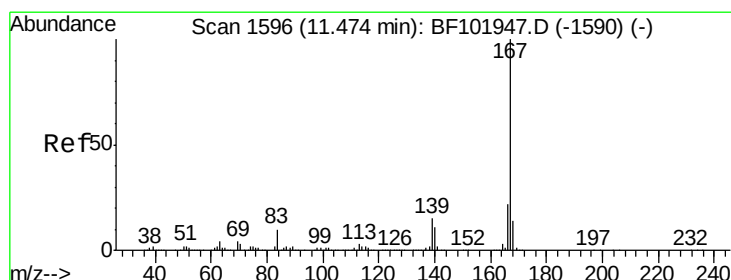
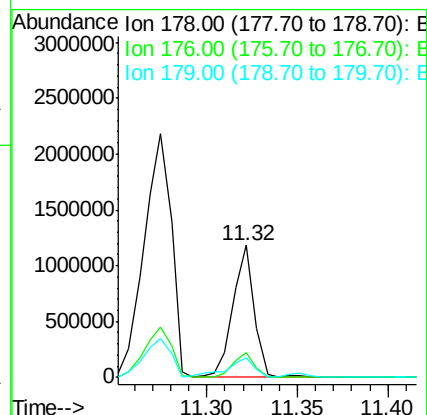
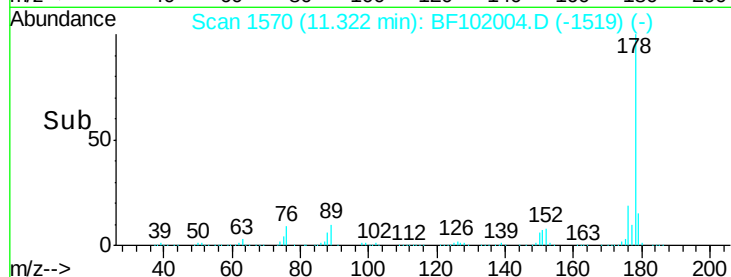
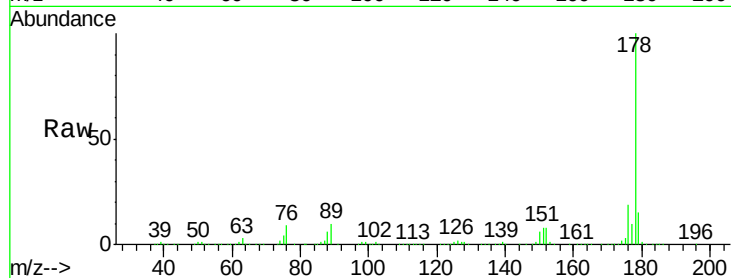
Tot Ion:178 Resp: 976036

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.2 12.6 19.0



#72

Carbazole

Concen: 13.081 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

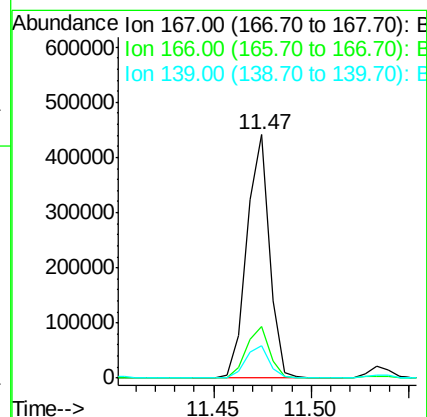
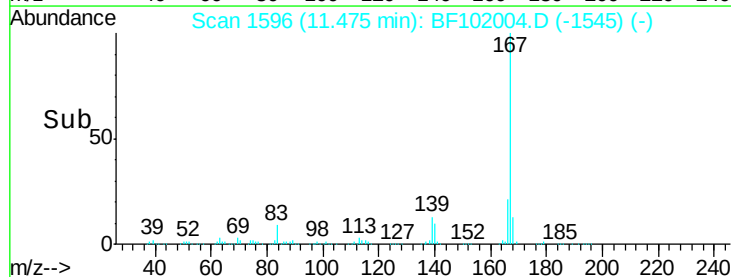
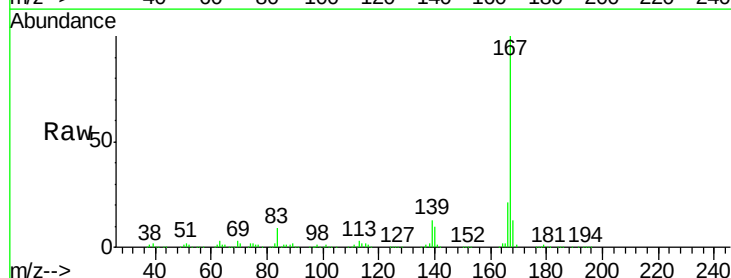
Tgt Ion:167 Resp: 354533

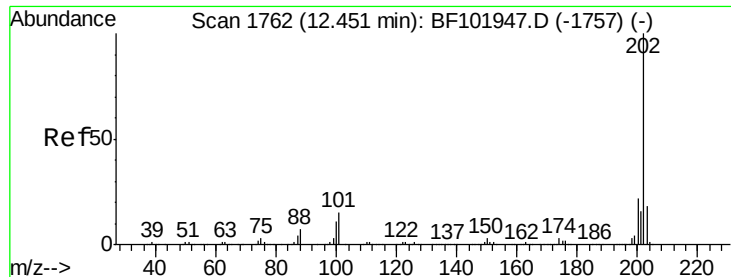
Ion Ratio Lower Upper

167 100

166 21.3 17.6 26.4

139 13.1 10.9 16.3





#74

Fluoranthene

Concen: 56.204 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

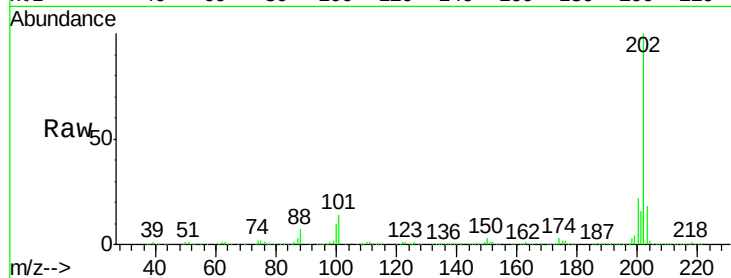
Tot Ion:202 Resp: 1503405

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.1

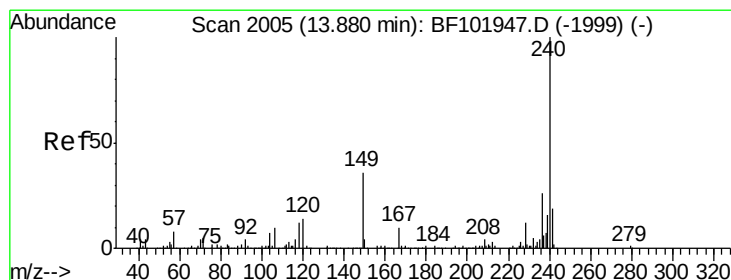
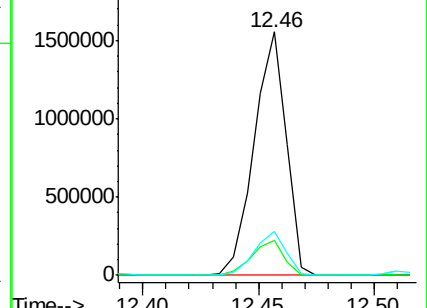
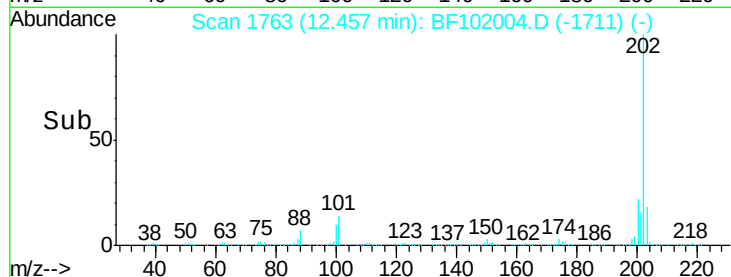
203 17.9 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

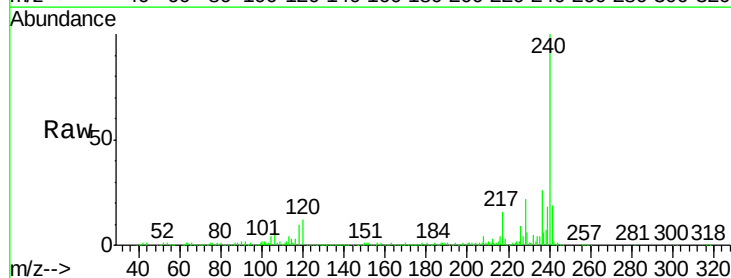
Tgt Ion:240 Resp: 309421

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

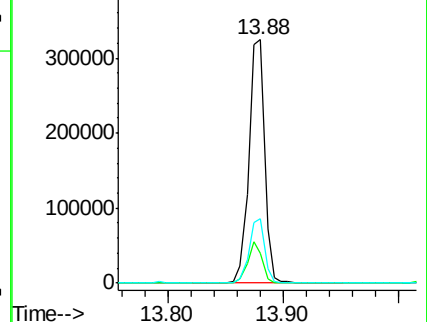
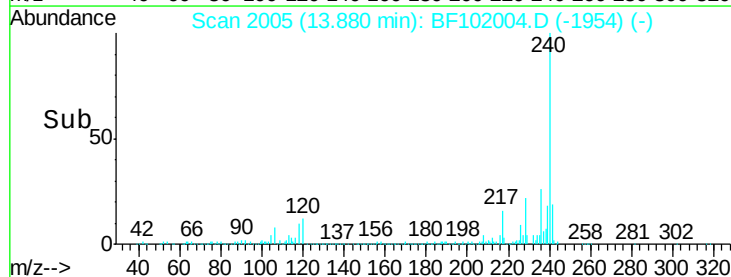
236 26.3 20.7 31.1

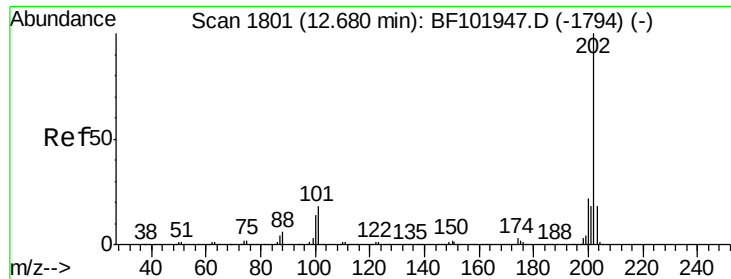


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

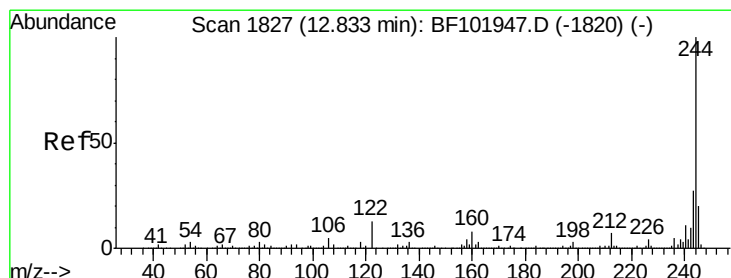
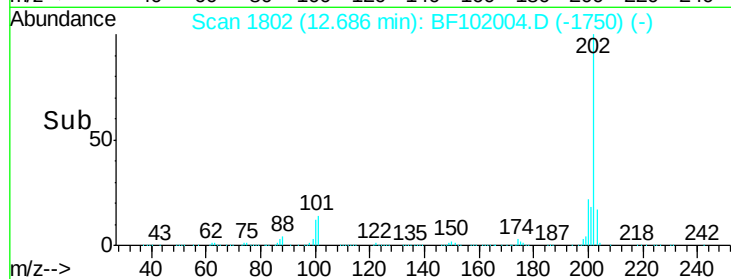
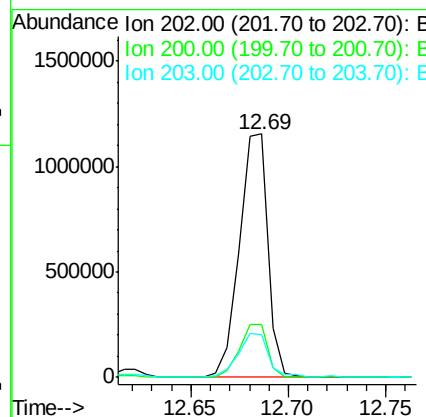
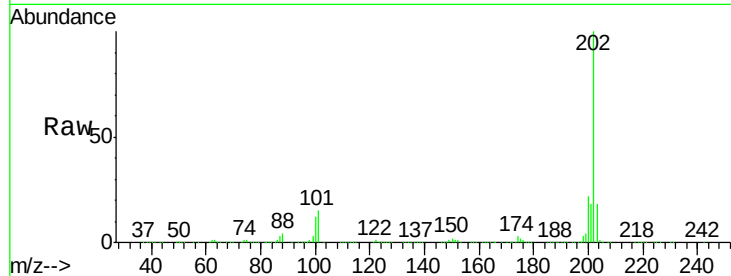




#77
Pvrene
Concen: 42.765 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

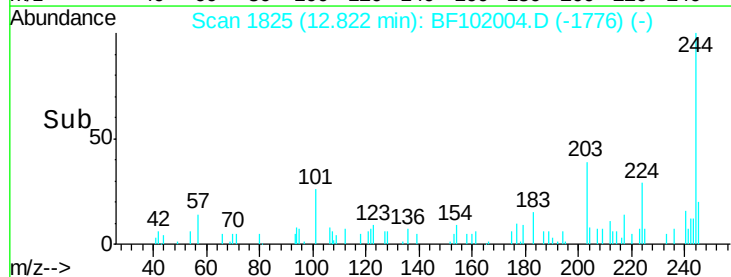
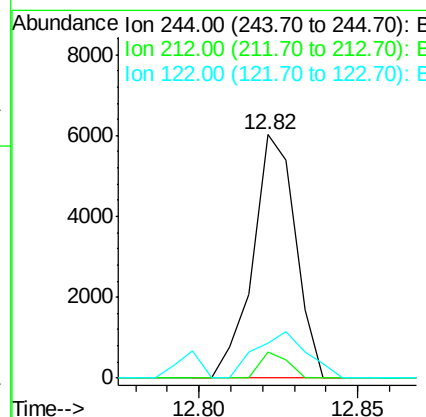
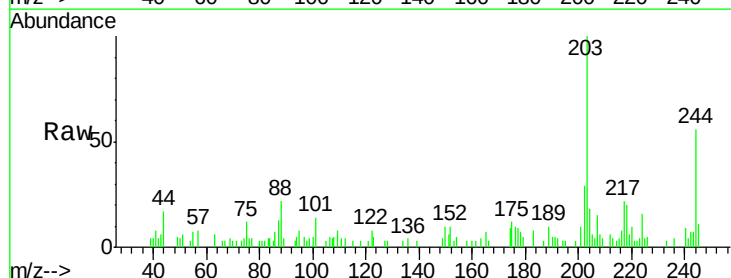
Instrument :
BNA_F
ClientSampleId :
WC-43-01

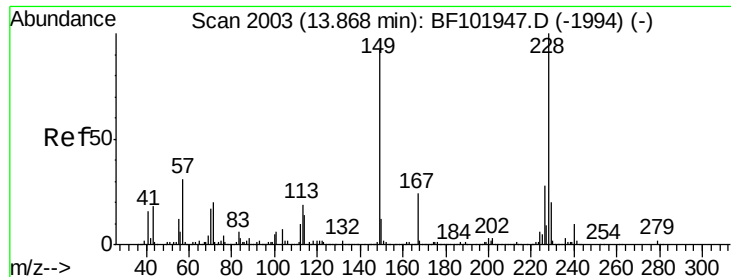
Tot Ion:202 Resp: 1169672
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.8 14.3 21.5



#78
Terphenyl-d14
Concen: 0.378 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion:244 Resp: 5630
Ion Ratio Lower Upper
244 100
212 10.9 5.4 8.0#
122 14.2 11.0 16.4





#80

Benzo(a)anthracene

Concen: 24.595 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.04 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

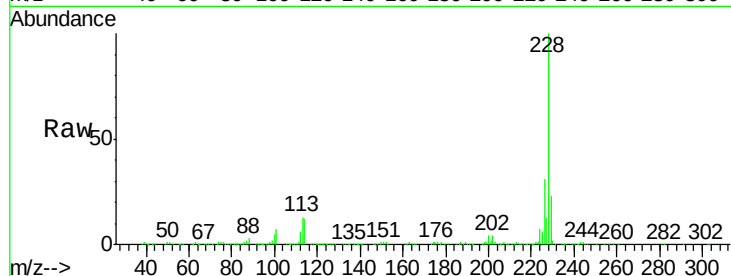
Tot Ion:228 Resp: 485560

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

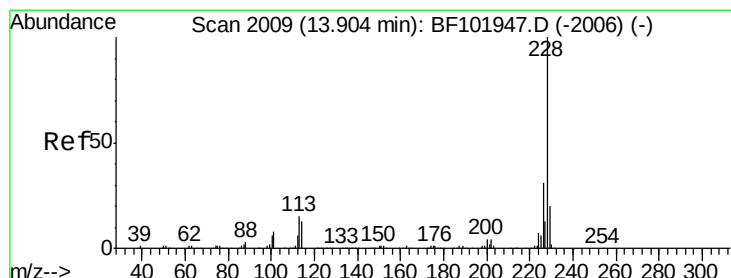
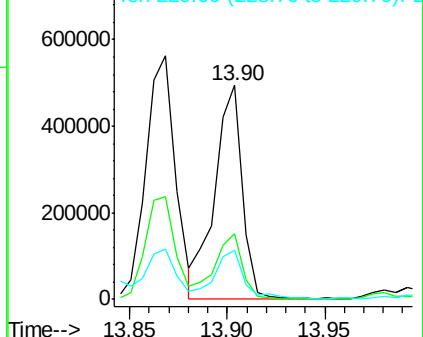
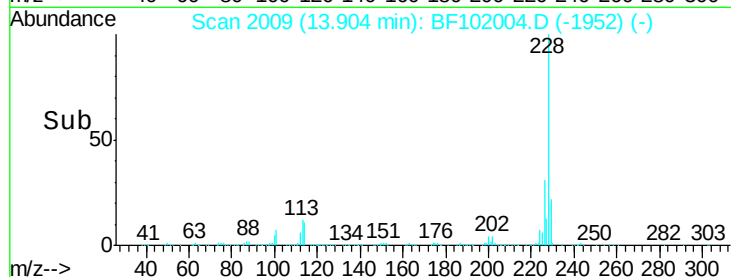
229 23.0 15.8 23.6



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



#82

Chrysene

Concen: 23.588 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

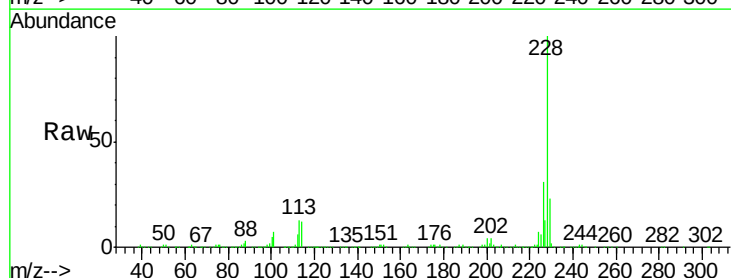
Tgt Ion:228 Resp: 485560

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

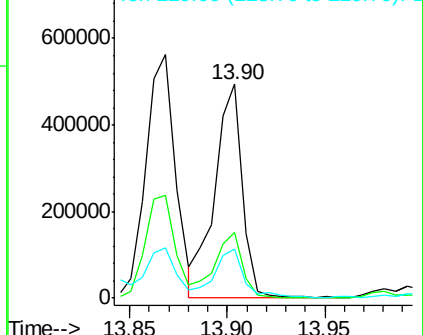
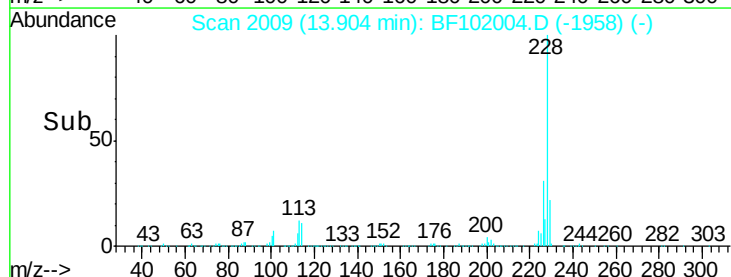
229 23.0 16.2 24.4

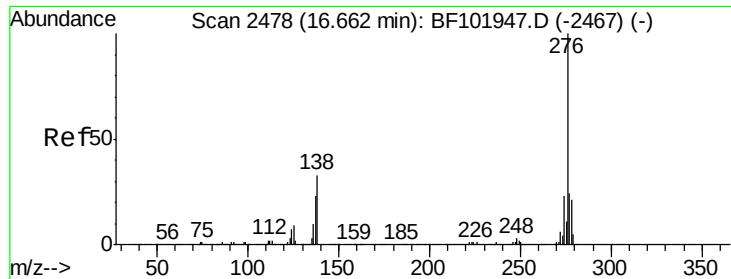


Abundance Ion 228.00 (227.70 to 228.70): E

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: 17.569 ng

RT: 16.66 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

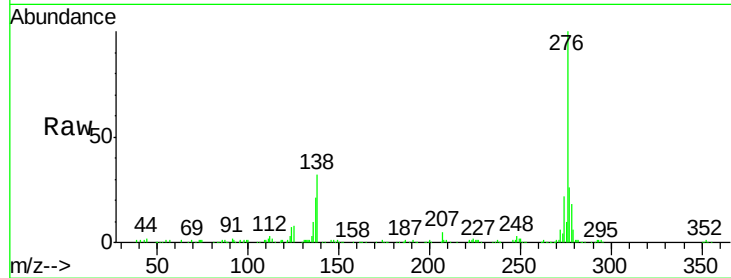
Tot Ion:276 Resp: 263239

Ion Ratio Lower Upper

276 100

138 31.0 25.0 37.6

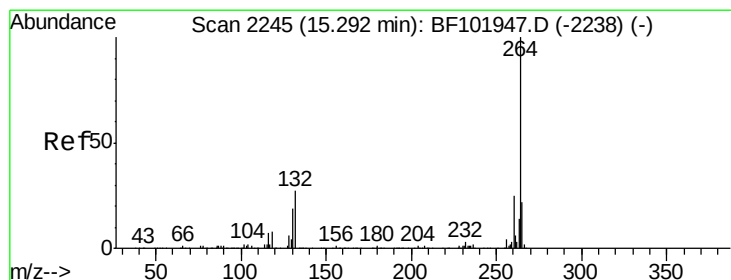
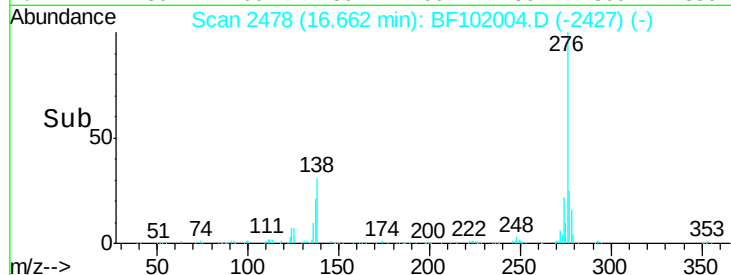
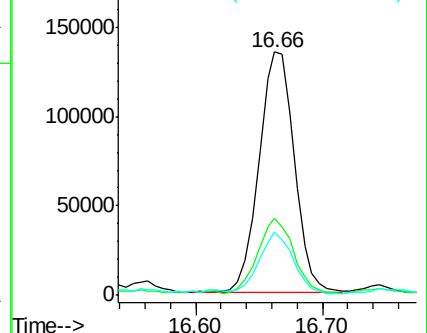
277 24.5 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

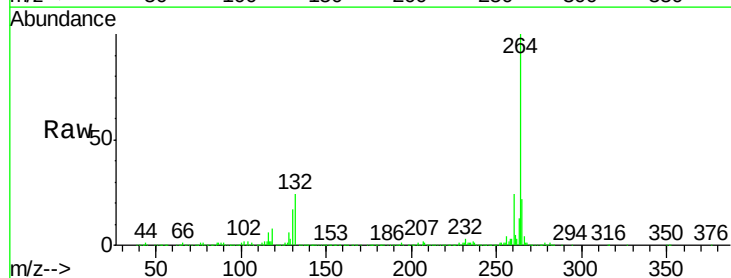
Tgt Ion:264 Resp: 376715

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

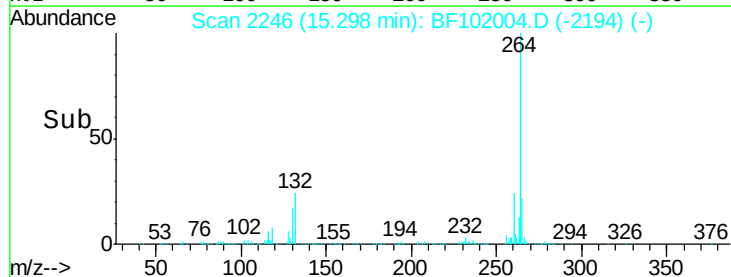
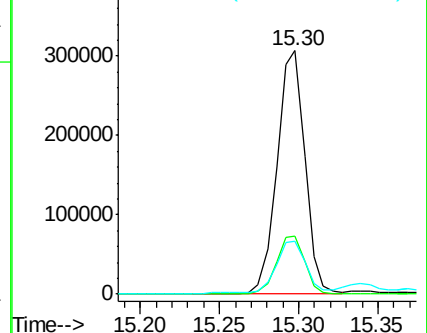
265 21.8 17.5 26.3

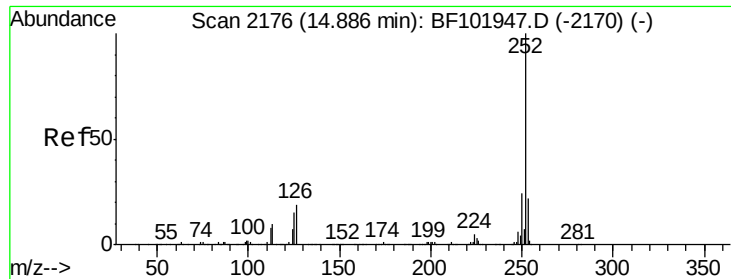


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

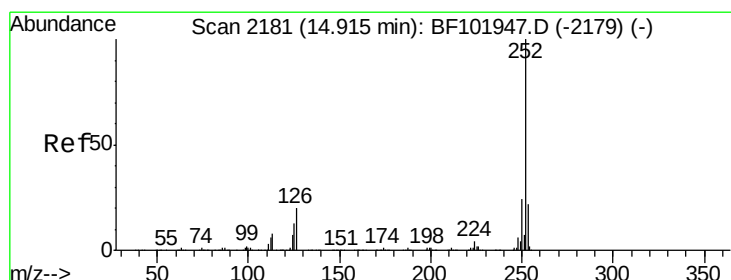
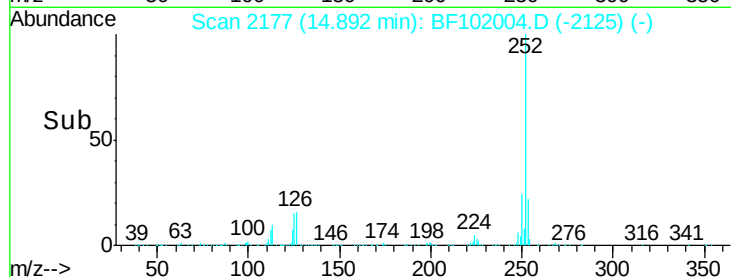
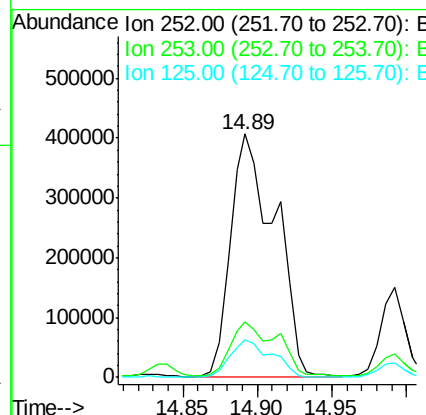
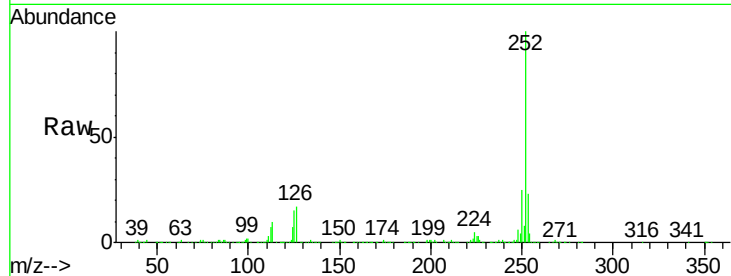




#87
Benzo(b)fluoranthene
Concen: 34.283 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

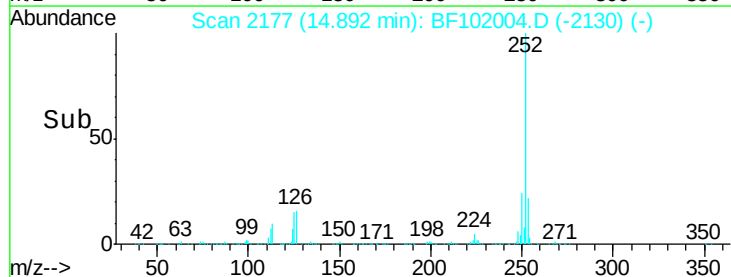
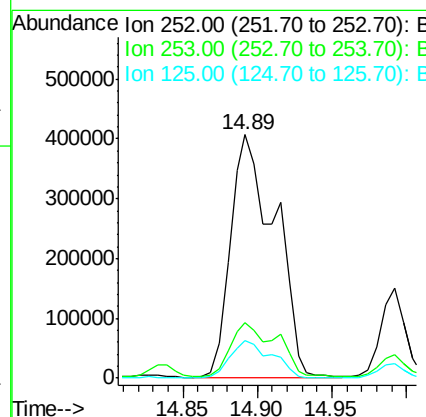
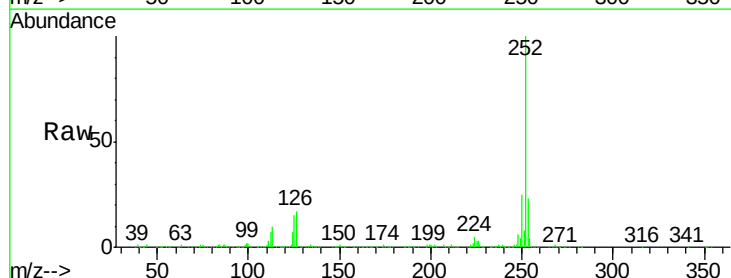
Instrument :
BNA_F
ClientSampled :
WC-43-01

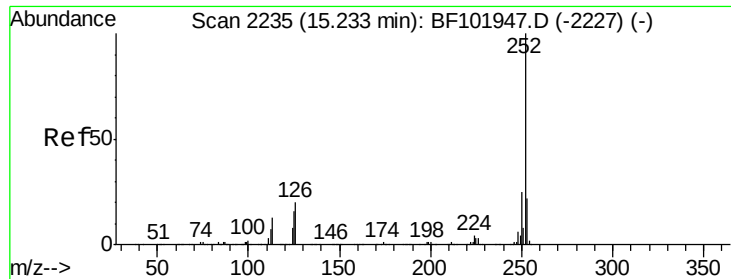
Tot Ion:252 Resp: 842093
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 15.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 35.538 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF102004.D
Acq: 11 Jan 2018 2:37

Tgt Ion:252 Resp: 842093
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 15.3 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 22.509 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

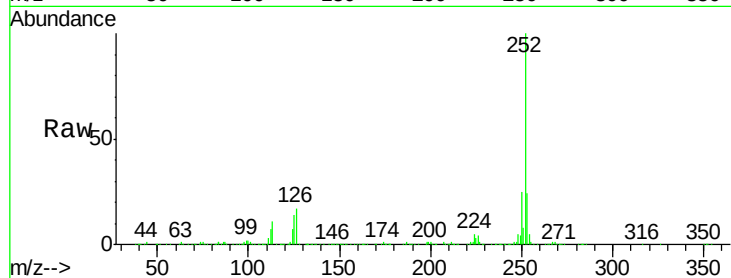
Tot Ion:252 Resp: 497514

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

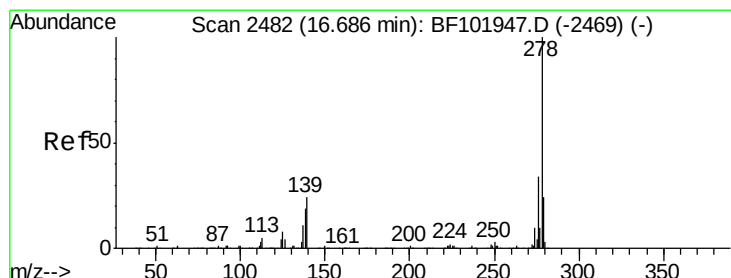
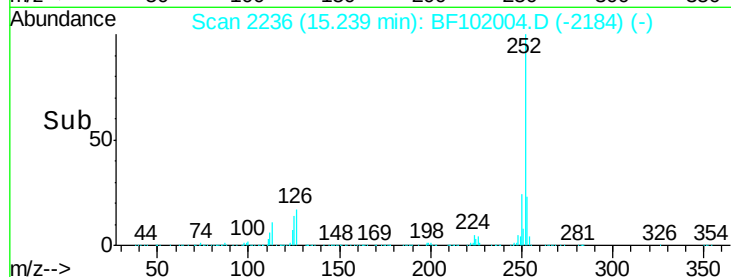
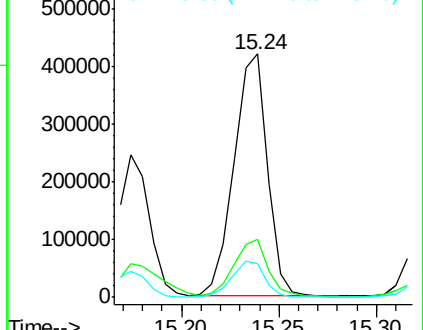
125 14.1 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 3.039 ng

RT: 16.50 min Scan# 2450

Delta R.T. -0.19 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

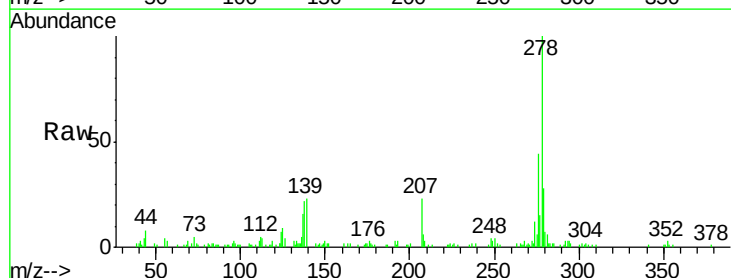
Tgt Ion:278 Resp: 53609

Ion Ratio Lower Upper

278 100

139 23.2 15.9 23.9

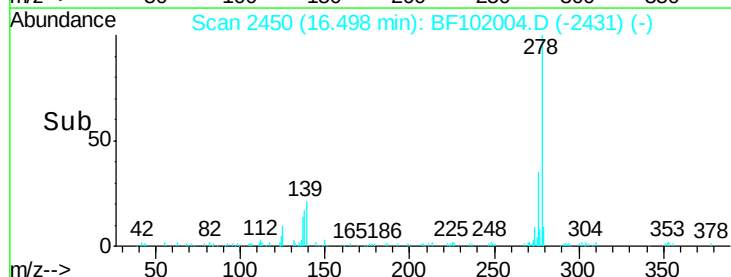
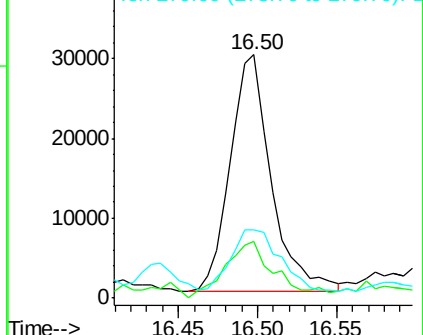
279 28.3 19.0 28.4

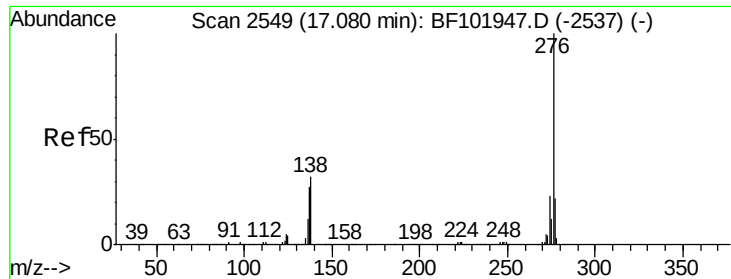


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 12.744 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.00 min

Lab File: BF102004.D

Acq: 11 Jan 2018 2:37

Instrument :

BNA_F

ClientSampleId :

WC-43-01

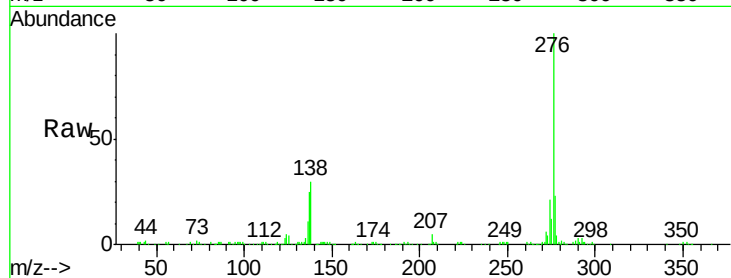
Tot Ion: 276 Resp: 226441

Ion Ratio Lower Upper

276 100

277 22.6 17.9 26.9

138 30.1 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

