

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101404.D
 Acq On : 14 Dec 2017 20:17
 Operator : SJ/JU
 Sample : I6838-01 100X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 23:47:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	185395	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	631763	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	330633	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	611339	20.00	ng	0.00
75) Chrysene-d12	14.00	240	335256	20.00	ng	0.00
86) Perylene-d12	15.47	264	330069	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1401	0.11	ng	0.06
7) Phenol-d6	6.45	99	2096	0.14	ng	0.00
23) Nitrobenzene-d5	7.39	82	995	0.09	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	312	0.10	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2276	0.11	ng	0.00
78) Terphenyl-d14	12.93	244	4793	0.34	ng	0.00

Target Compounds

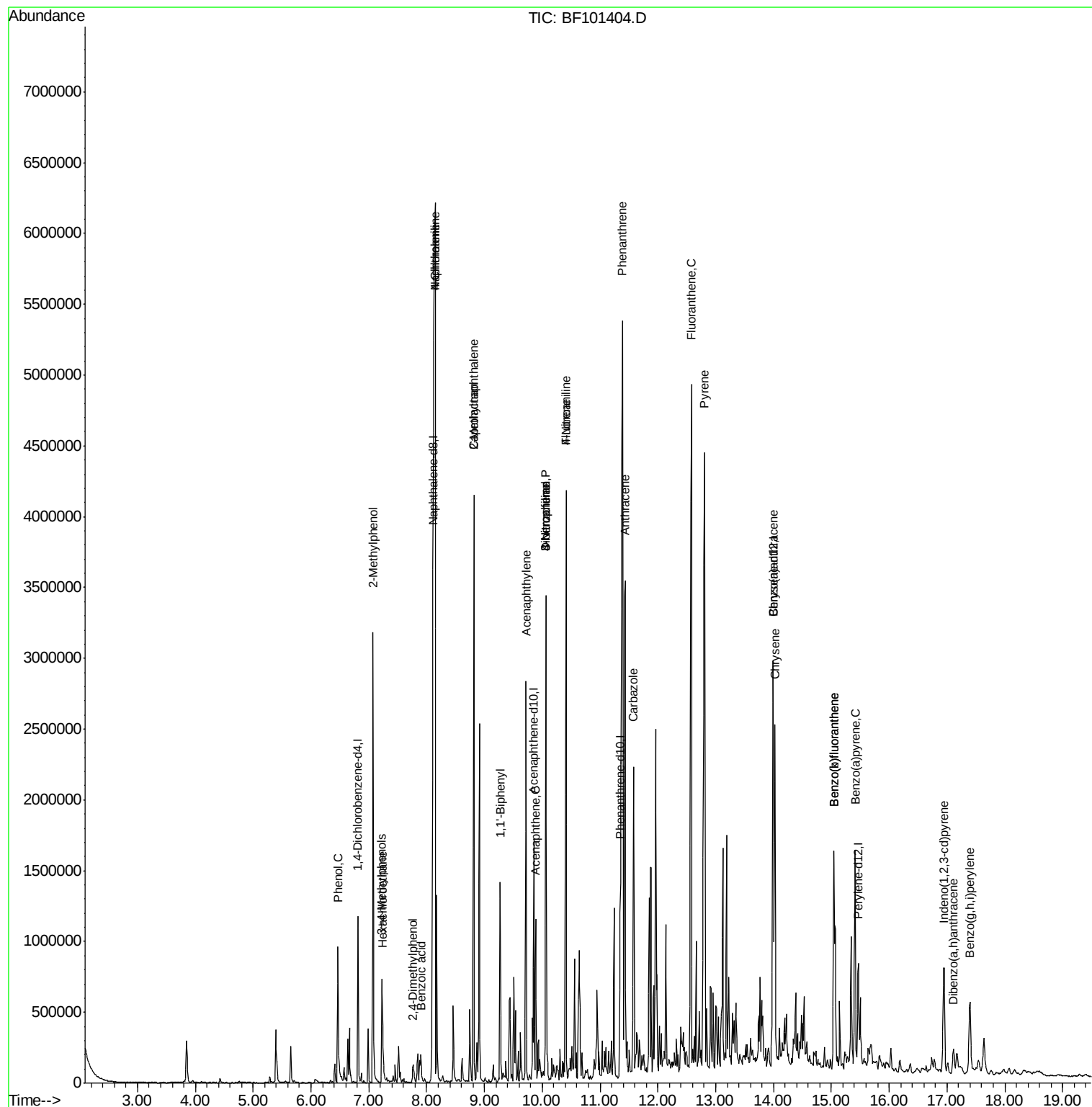
						Qvalue
10) Phenol	6.46	94	420812	23.836	ng	98
17) 2-Methylphenol	7.07	107	59083	4.906	ng	97
18) Hexachloroethane	7.24	117	15100	2.878	ng	# 2
20) 3+4-Methylphenols	7.23	107	225616	17.679	ng	88
27) 2,4-Dimethylphenol	7.76	122	39657	4.326	ng	98
31) Naphthalene	8.14	128	6800500	213.817	ng	97
32) Benzoic acid	7.90	122	38546	13.166	ng	# 14
33) 4-Chloroaniline	8.15	127	966218	69.896	ng	# 37
35) Caprolactam	8.82	113	27736	8.819	ng	# 1
37) 2-Methylnaphthalene	8.82	142	1239984	59.840	ng	98
45) 1,1'-Biphenyl	9.27	154	452592	15.435	ng	97
48) Acenaphthylene	9.72	152	1164951	32.874	ng	99
51) Acenaphthene	9.89	154	198436	9.320	ng	96
52) 3-Nitroaniline	10.06	138	23532	3.492	ng	# 11
54) Dibenzofuran	10.06	168	1390837	51.404	ng	98
55) 4-Nitrophenol	10.06	139	538327	183.198	ng	# 10
57) Fluorene	10.41	166	1365380	59.653	ng	99
61) 4-Nitroaniline	10.41	138	15430	2.278	ng	# 21
70) Phenanthrene	11.39	178	3697235	108.750	ng	99
71) Anthracene	11.43	178	1449701	41.745	ng	99
72) Carbazole	11.58	167	840730	25.858	ng	100
74) Fluoranthene	12.58	202	2945745	82.548	ng	96
77) Pyrene	12.80	202	2405586	95.608	ng	98
80) Benzo(a)anthracene	13.99	228	1112245	50.243	ng	94
82) Chrysene	14.03	228	900147	43.065	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	428594	23.027	ng	# 92
87) Benzo(b)fluoranthene	15.04	252	1268481	63.051	ng	97
88) Benzo(k)fluoranthene	15.04	252	1268481	64.849	ng	99
89) Benzo(a)pyrene	15.41	252	748142	40.339	ng	98
90) Dibenzo(a,h)anthracene	17.11	278	104534	6.565	ng	97
91) Benzo(g,h,i)perylene	17.40	276	396238	25.130	ng	96

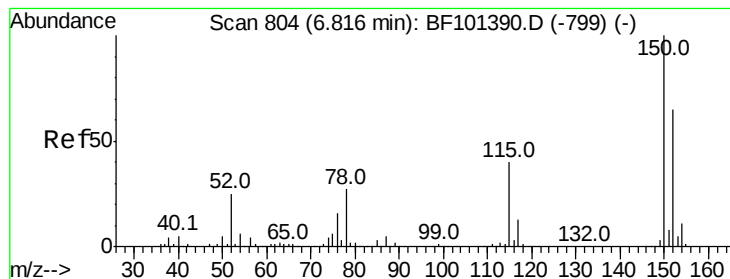
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
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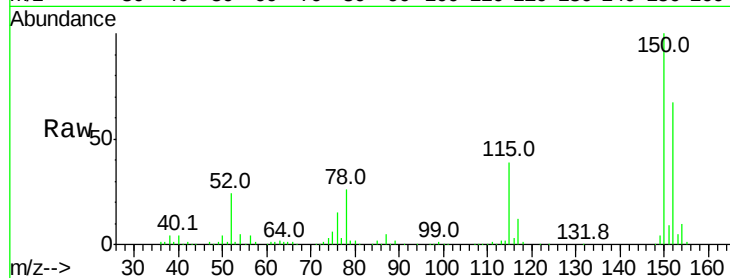


#1

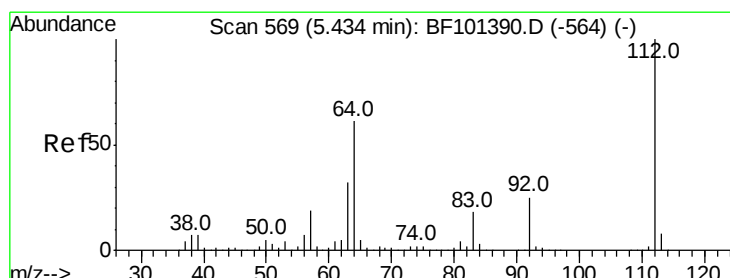
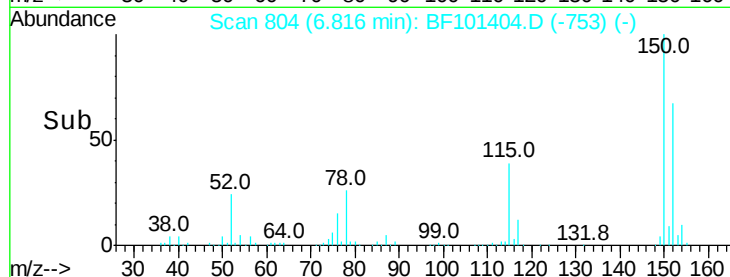
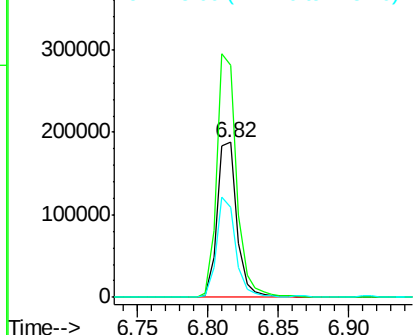
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	124.6	186.8
115	58.3	50.1	75.1



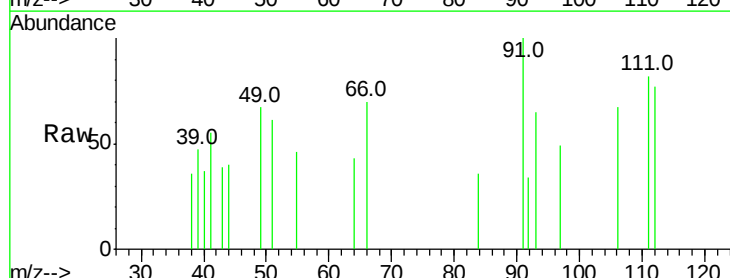
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



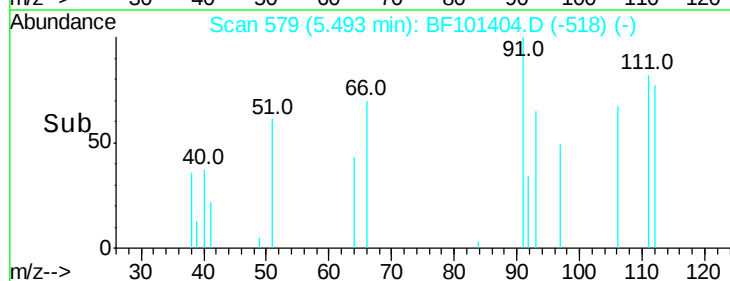
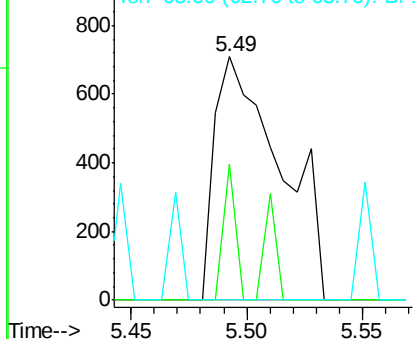
#5

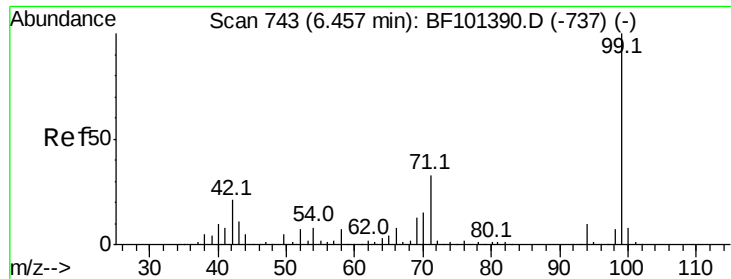
2-Fluorophenol
Concen: 0.113 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.06 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	0.0	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: 0.135 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

Instrument :

BNA_F

ClientSampleId :

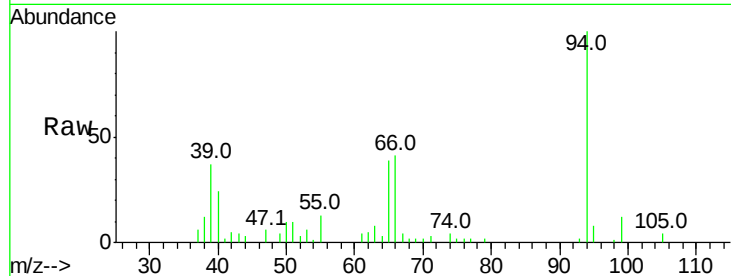
Tot Ion: 99 Resp: 2096

Ion Ratio Lower Upper

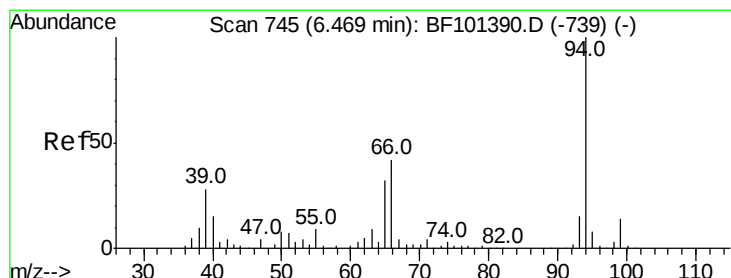
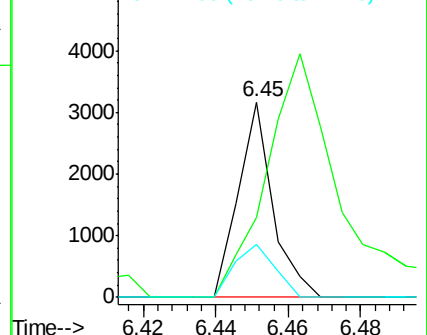
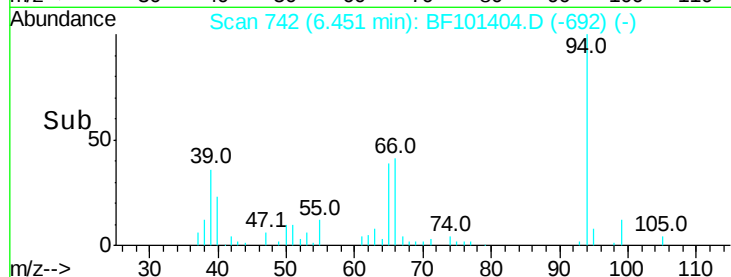
99 100

42 40.6 14.5 21.7#

71 27.0 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: 23.836 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

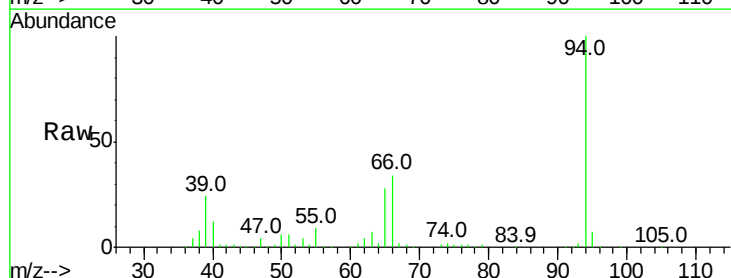
Tgt Ion: 94 Resp: 420812

Ion Ratio Lower Upper

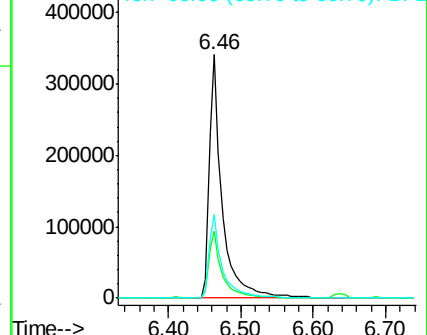
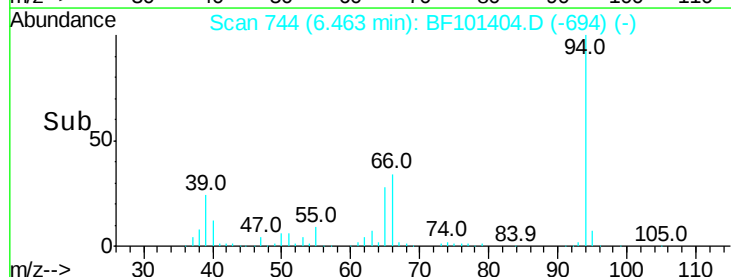
94 100

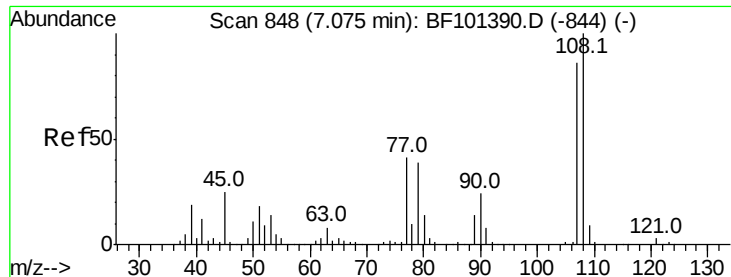
65 27.6 7.9 47.9

66 34.4 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

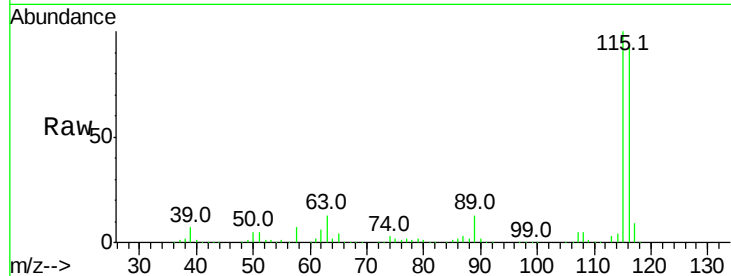




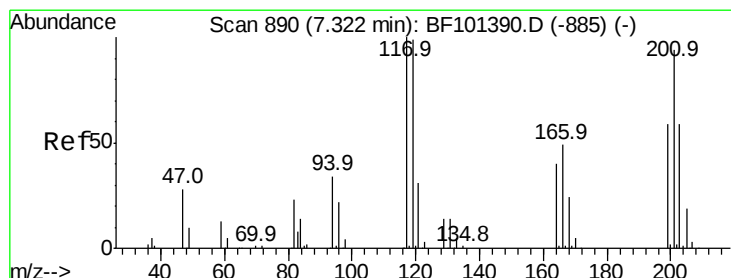
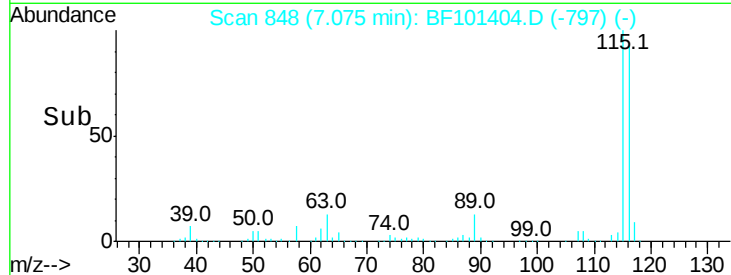
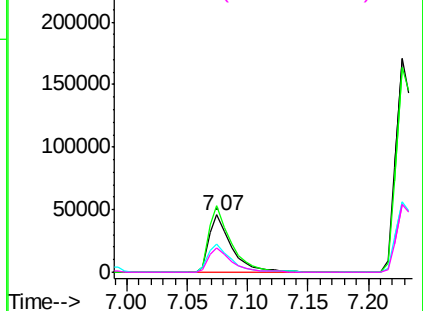
#17
 2-Methylphenol
 Concen: 4.906 ng
 RT: 7.07 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	107	Resp:	59083
Ion	Ratio	Lower	Upper
107	100		
108	115.4	91.7	137.5
77	48.0	33.8	50.8
79	41.3	33.8	50.8

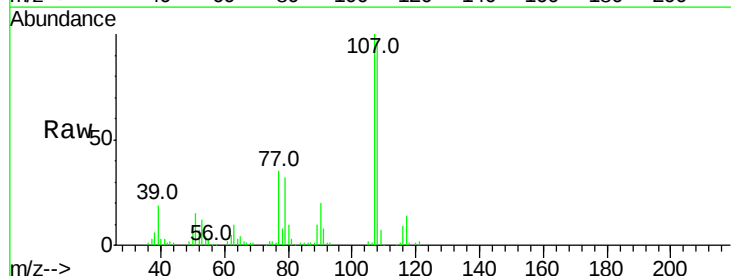


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF1
 Ion 79.00 (78.70 to 79.70): BF1

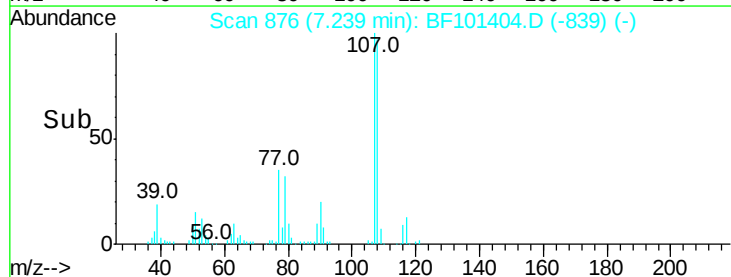
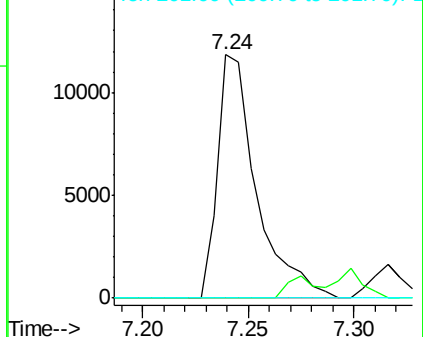


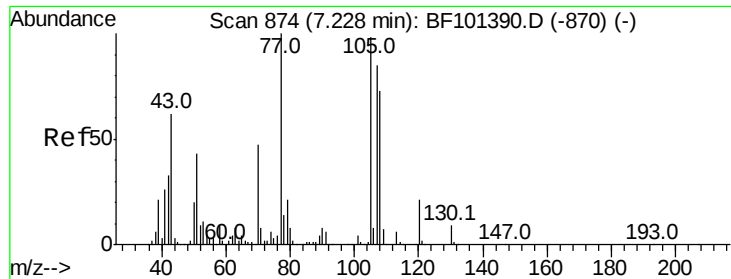
#18
 Hexachloroethane
 Concen: 2.878 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.08 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Tgt Ion:	117	Resp:	15100
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
201	0.0	75.7	113.5#



Abundance Ion 117.00 (116.70 to 117.70): E
 Ion 119.00 (118.70 to 119.70): E
 Ion 201.00 (200.70 to 201.70): E

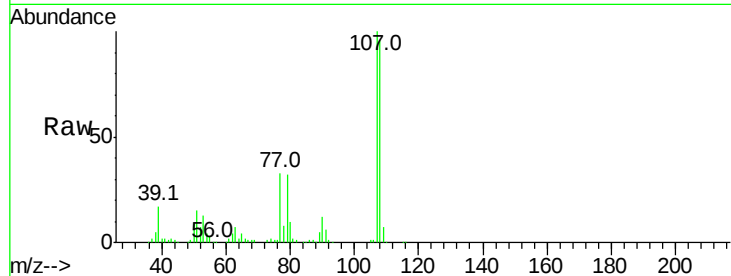




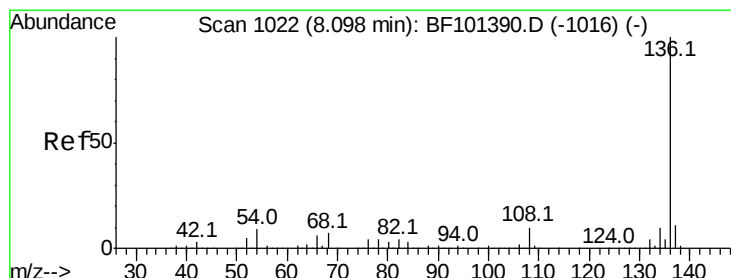
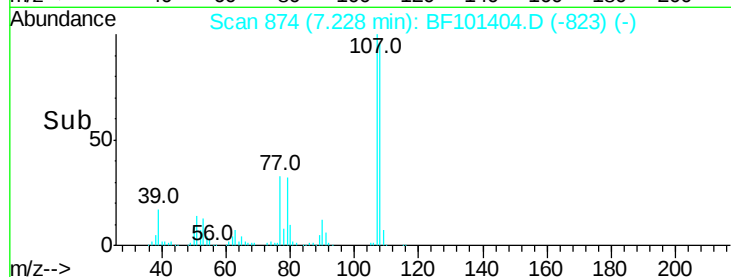
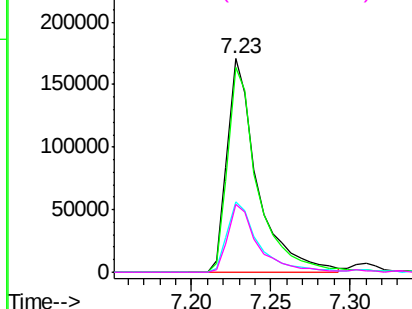
#20
3+4-Methylphenols
Concen: 17.679 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.00 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 225616
Ion Ratio Lower Upper
107 100
108 95.9 68.2 108.2
77 33.0 26.7 66.7
79 32.1 6.3 46.3

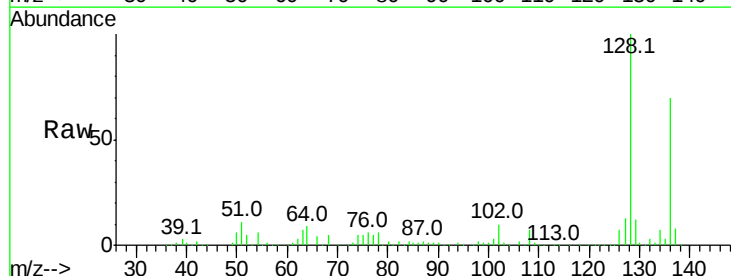


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

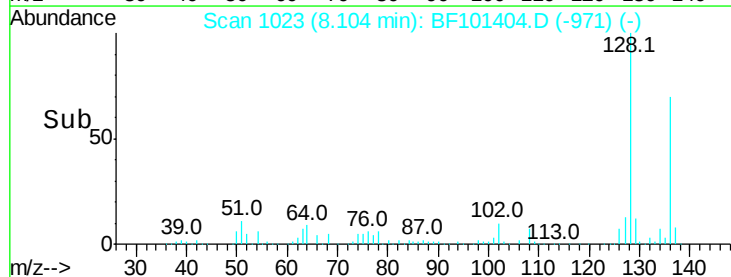
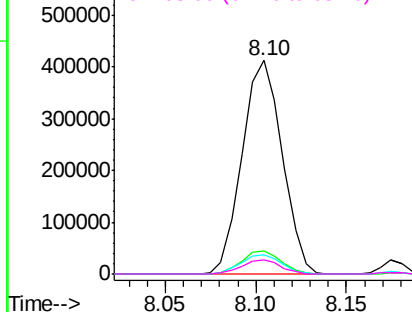


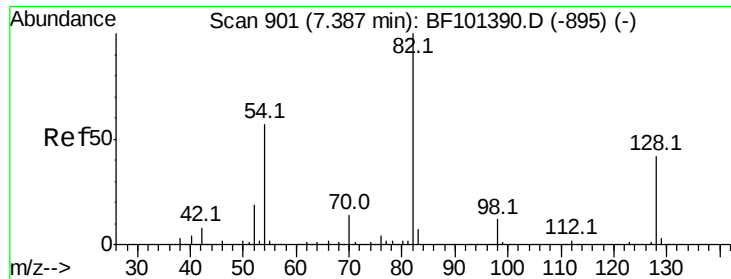
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

Tgt Ion:136 Resp: 631763
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.0 6.6 9.8
68 6.6 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

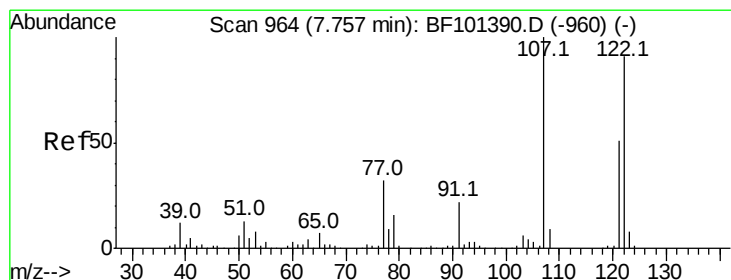
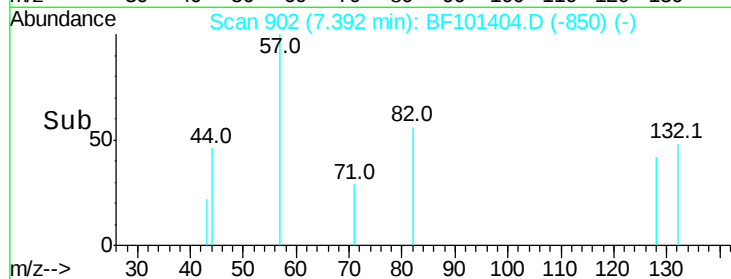
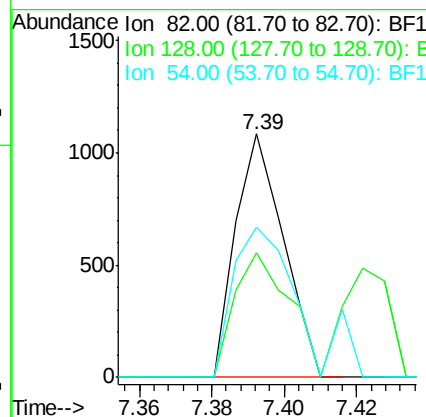
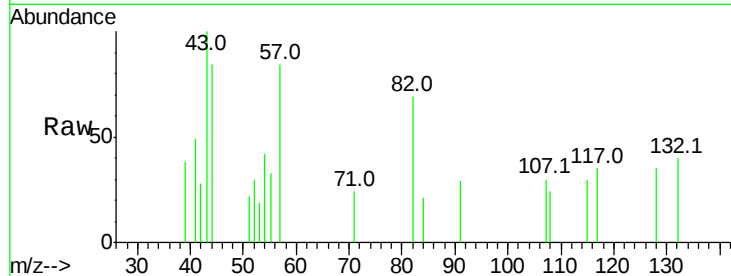




#23
 Nitrobenzene-d5
 Concen: 0.088 ng
 RT: 7.39 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

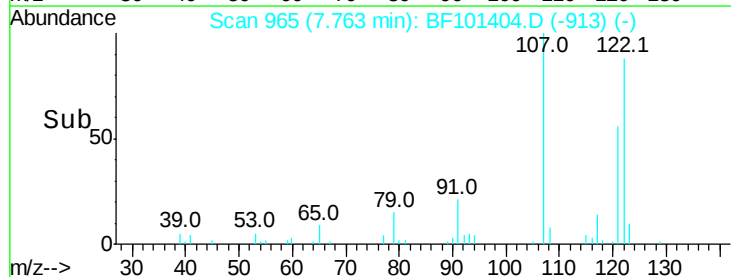
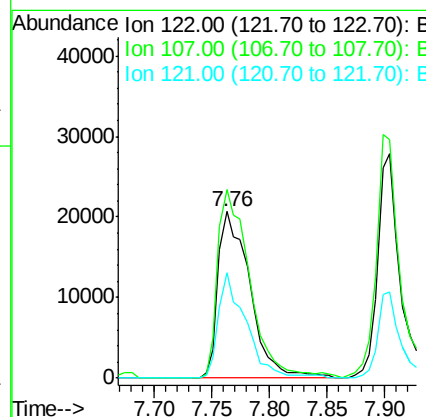
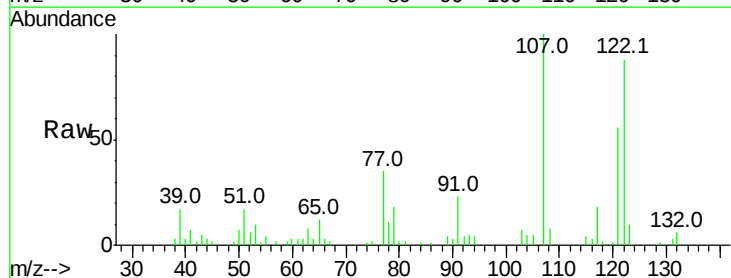
Instrument :
 BNA_F
 ClientSampled :

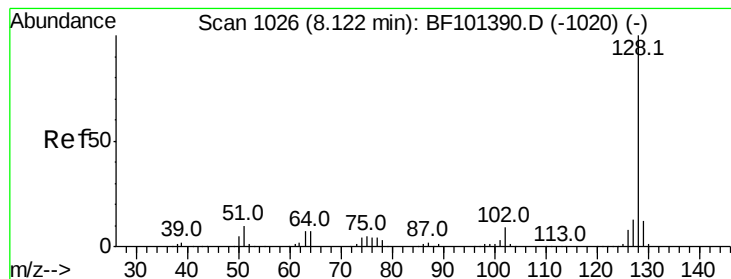
Tot Ion	82	Resp	995
Ion Ratio	100	Lower	Upper
128	51.3	36.1	54.1
54	61.6	41.4	62.2



#27
 2,4-Dimethylphenol
 Concen: 4.326 ng
 RT: 7.76 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Tgt Ion	122	Resp	39657
Ion Ratio	100	Lower	Upper
107	113.2	91.2	136.8
121	63.3	47.2	70.8





#31

Naphthalene

Concen: 213.817 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.02 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

Instrument :

BNA_F

ClientSampleId :

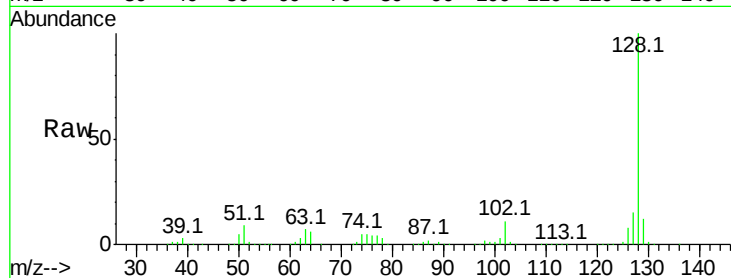
Tot Ion:128 Resp: 6800500

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

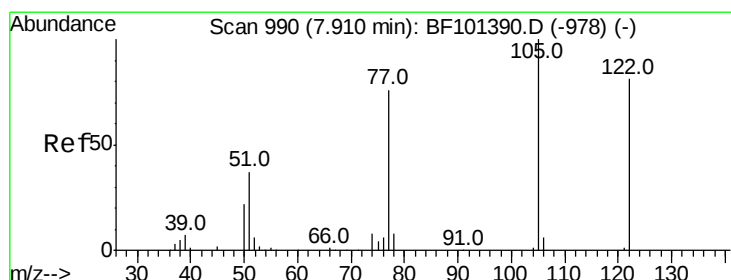
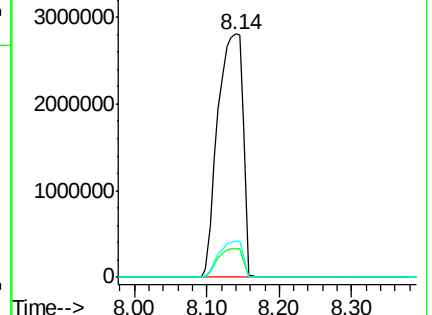
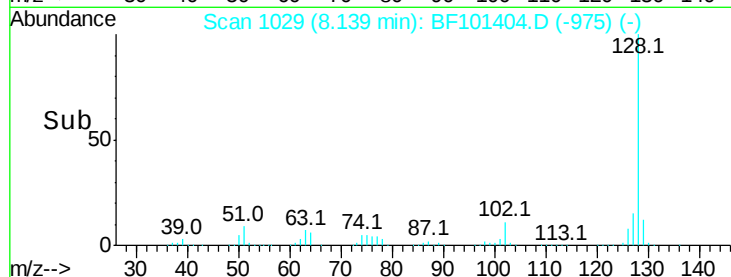
127 14.7 10.9 16.3



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: 13.166 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

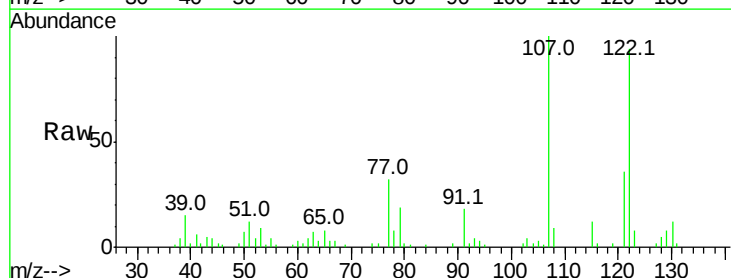
Tgt Ion:122 Resp: 38546

Ion Ratio Lower Upper

122 100

105 3.7 101.1 141.1#

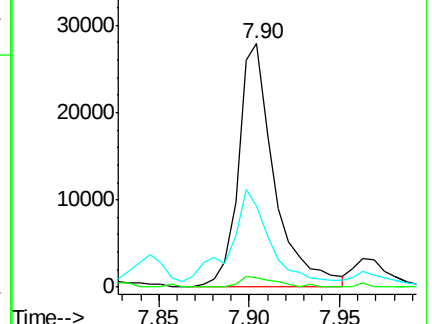
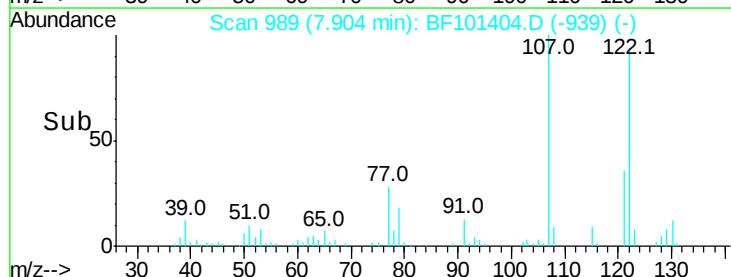
77 33.5 70.7 110.7#

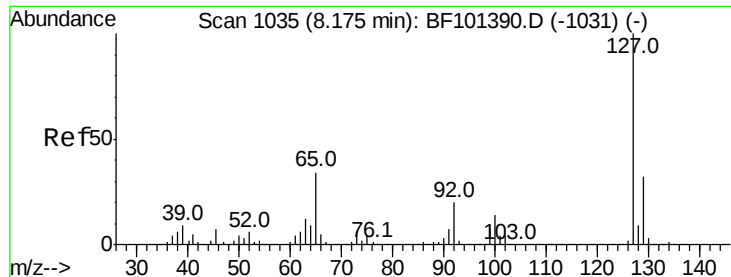


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

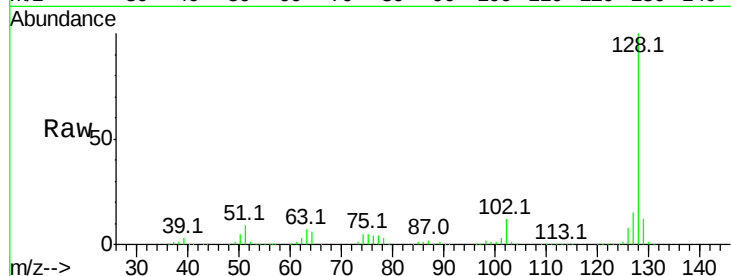




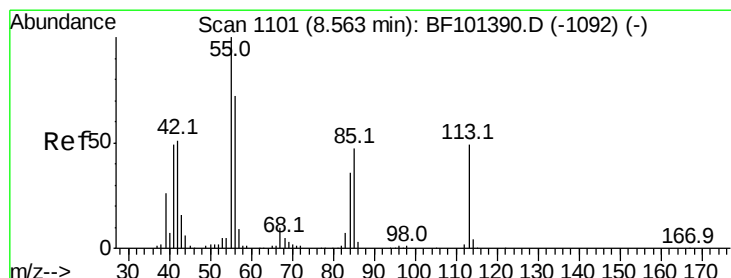
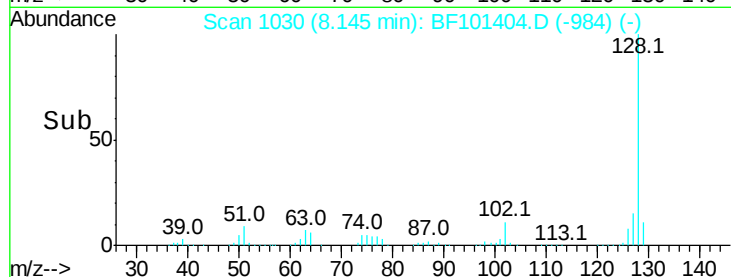
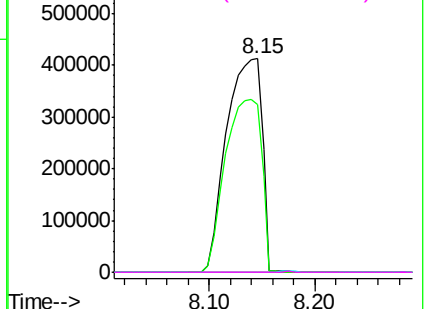
#33
 4-Chloroaniline
 Concen: 69.896 ng
 RT: 8.15 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	127	Resp:	966218
Ion	Ratio	Lower	Upper
127	100		
129	78.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

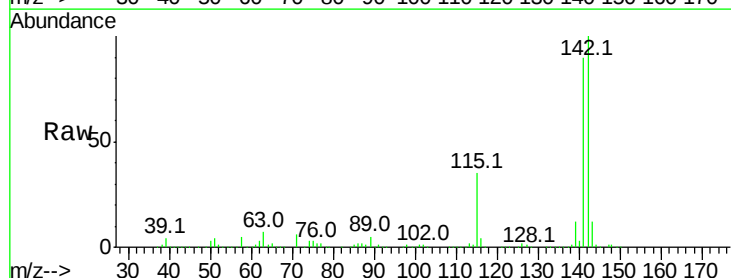


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

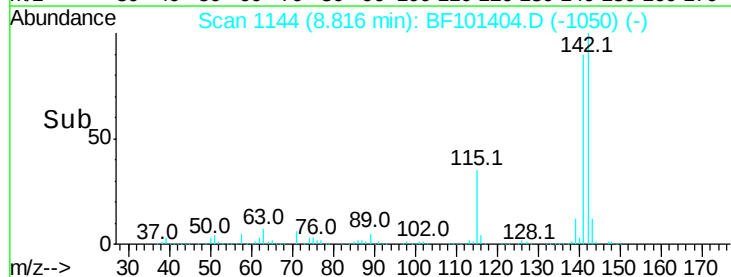
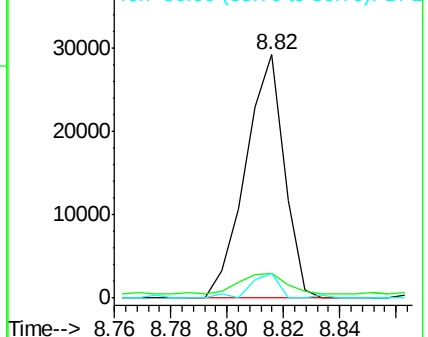


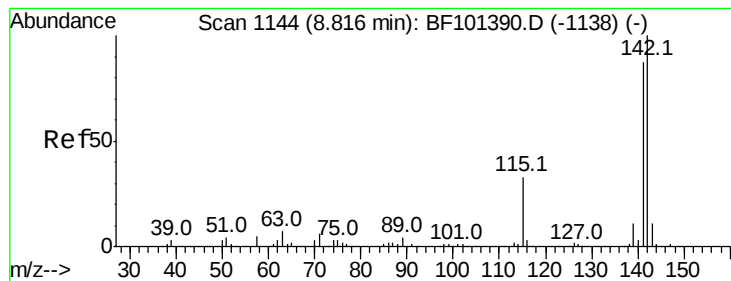
#35
 Caprolactam
 Concen: 8.819 ng
 RT: 8.82 min Scan# 1144
 Delta R.T. 0.25 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Tgt Ion:	113	Resp:	27736
Ion	Ratio	Lower	Upper
113	100		
55	9.9	163.3	203.3#
56	10.0	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



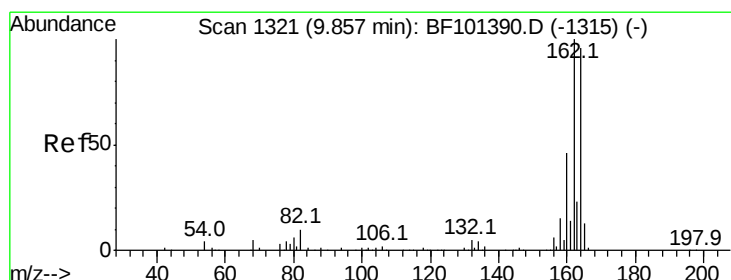
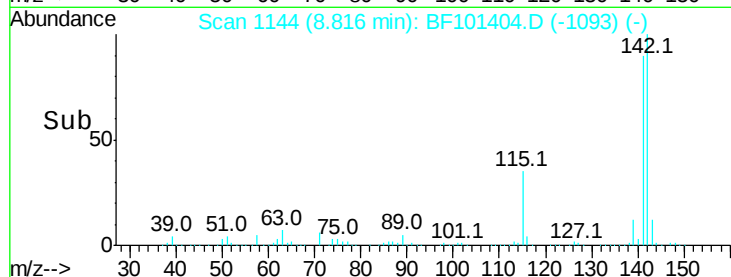
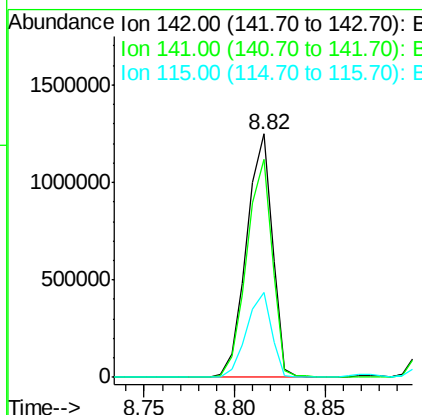
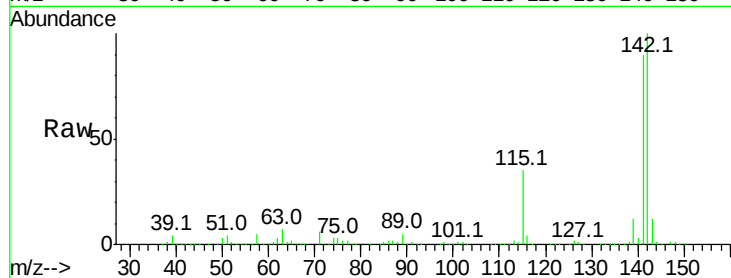


#37
 2-Methylnaphthalene
 Concen: 59.840 ng
 RT: 8.82 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 1239984

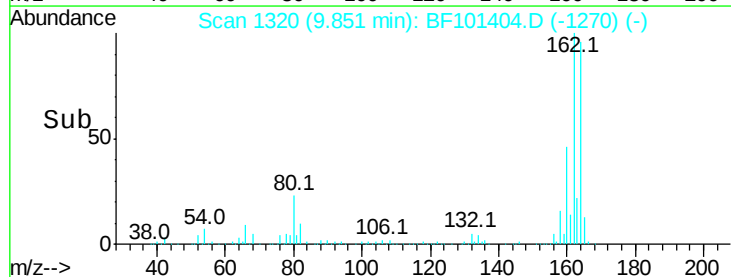
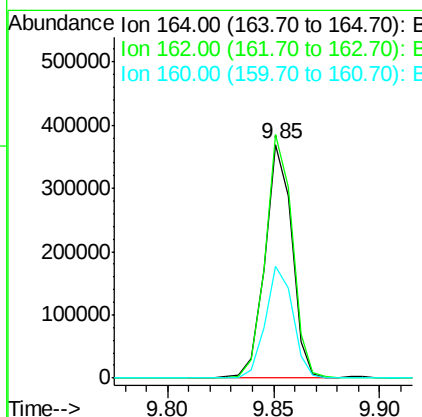
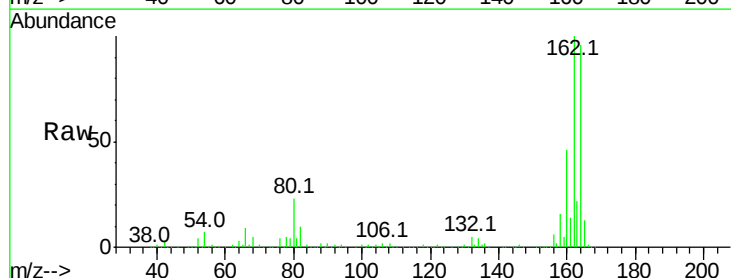
Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	34.9	26.1	39.1

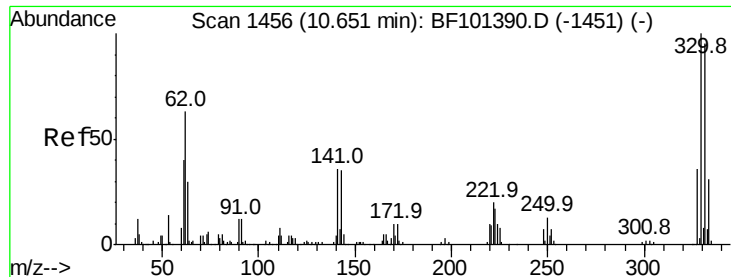


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Tgt Ion:164 Resp: 330633

Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	47.9	38.3	57.5

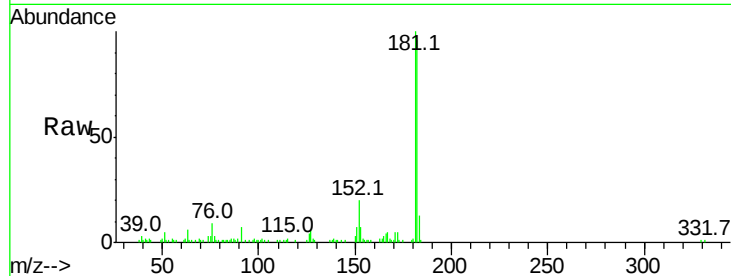




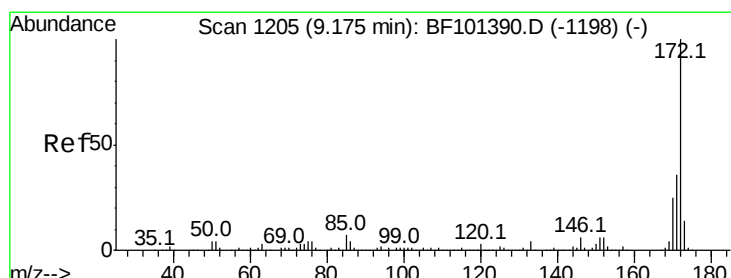
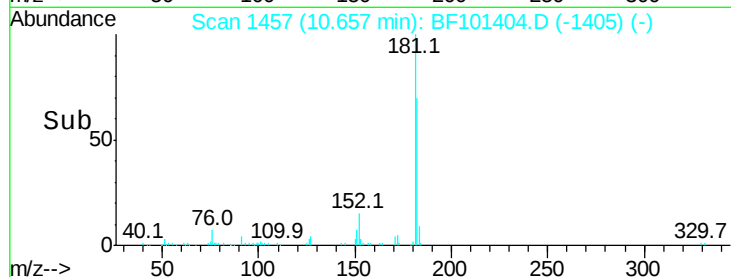
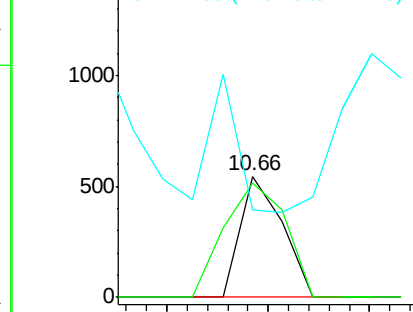
#41
 2,4,6-Tribromophenol
 Concen: 0.098 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 312
 Ion Ratio Lower Upper
 330 100
 332 138.5 77.0 115.6#
 141 0.0 29.9 44.9#

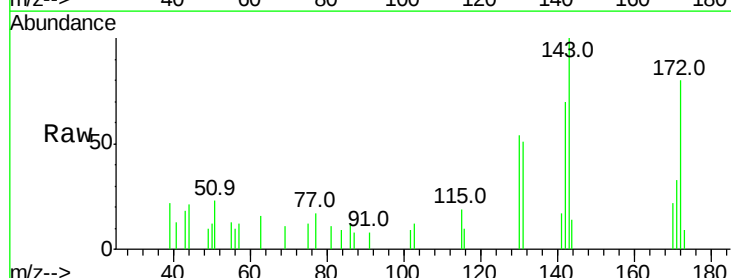


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

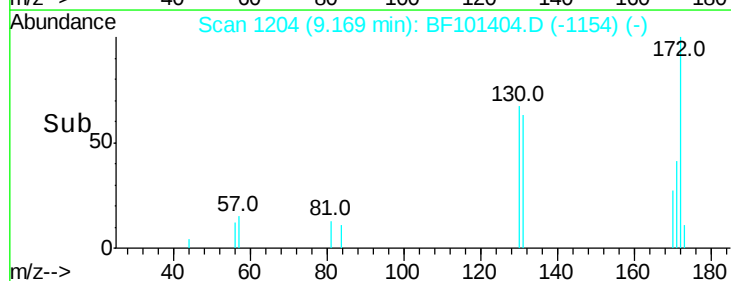
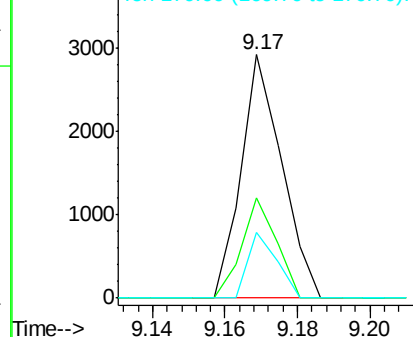


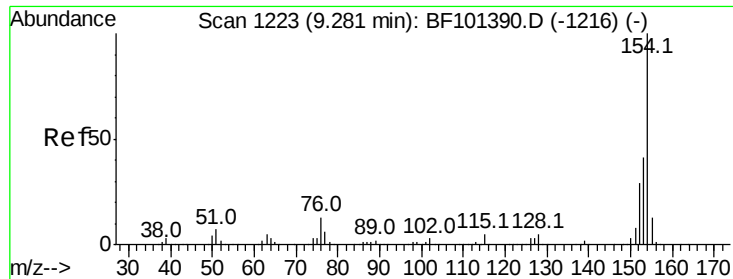
#44
 2-Fluorobiphenyl
 Concen: 0.107 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Tgt Ion:172 Resp: 2276
 Ion Ratio Lower Upper
 172 100
 171 41.3 29.7 44.5
 170 27.1 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

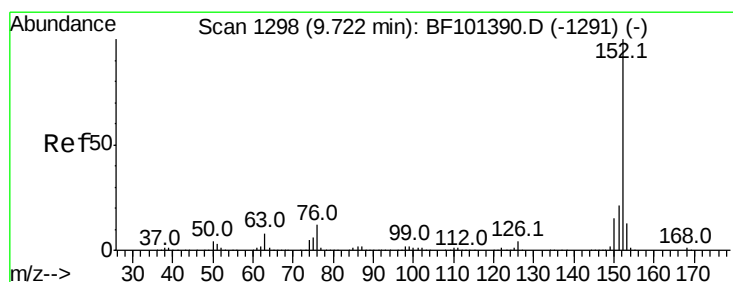
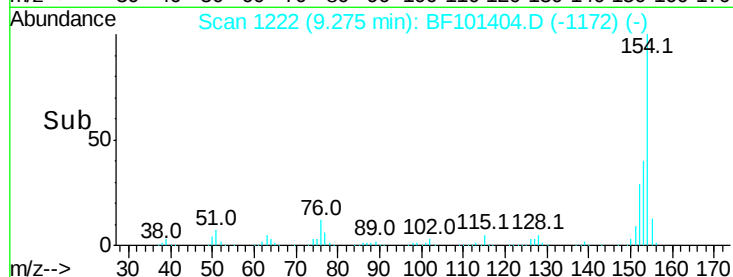
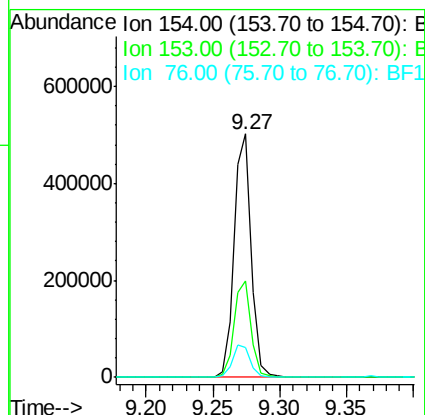
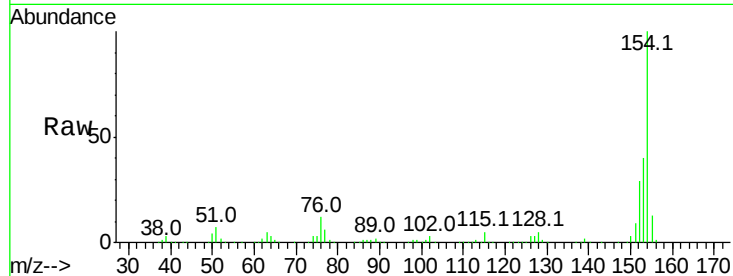




#45
 1,1'-Biphenyl
 Concen: 15.435 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

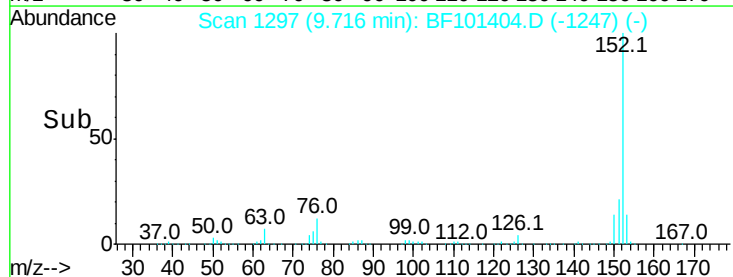
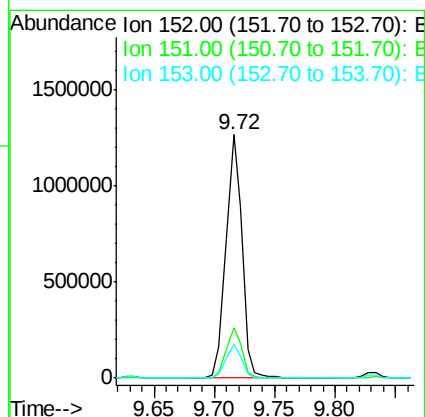
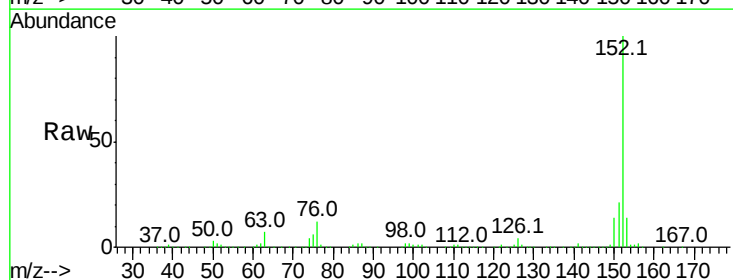
Instrument :
 BNA_F
 ClientSampleId :

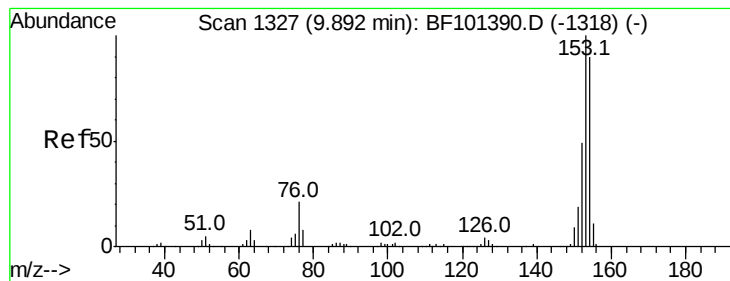
Tot Ion:154 Resp: 452592
 Ion Ratio Lower Upper
 154 100
 153 39.7 21.3 61.3
 76 12.5 0.0 34.0



#48
 Acenaphthylene
 Concen: 32.874 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Tgt Ion:152 Resp: 1164951
 Ion Ratio Lower Upper
 152 100
 151 20.9 16.3 24.5
 153 13.8 10.7 16.1





#51

Acenaphthene

Concen: 9.320 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

Instrument :

BNA_F

ClientSampleId :

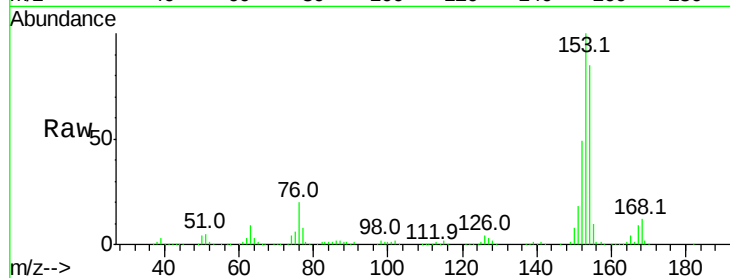
Tot Ion:154 Resp: 198436

Ion Ratio Lower Upper

154 100

153 117.8 91.2 136.8

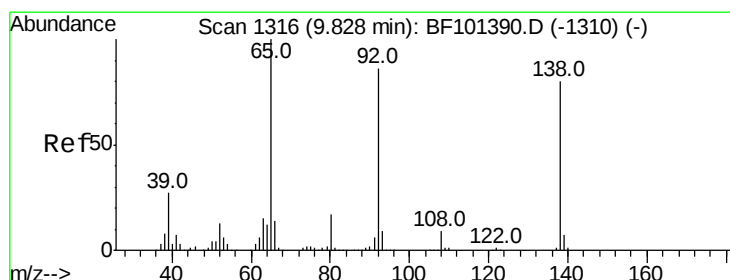
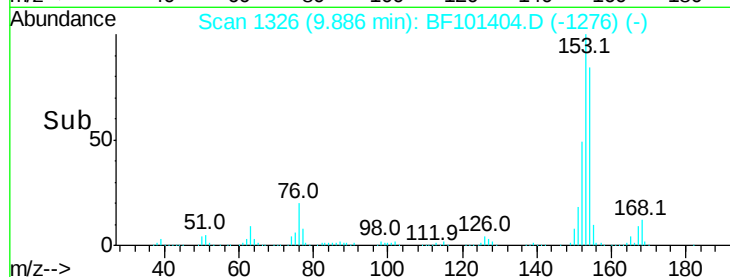
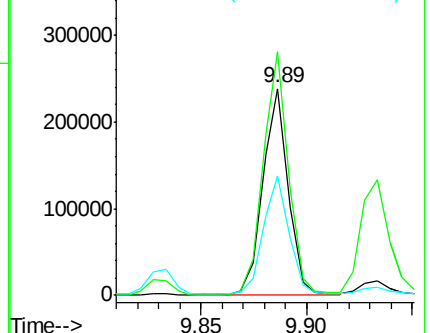
152 57.7 43.8 65.8



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



#52

3-Nitroaniline

Concen: 3.492 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.24 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

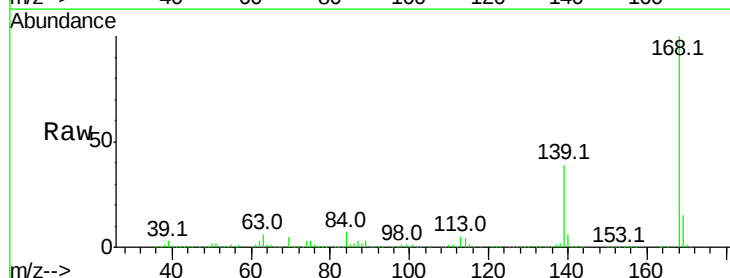
Tgt Ion:138 Resp: 23532

Ion Ratio Lower Upper

138 100

108 2.8 9.4 14.0#

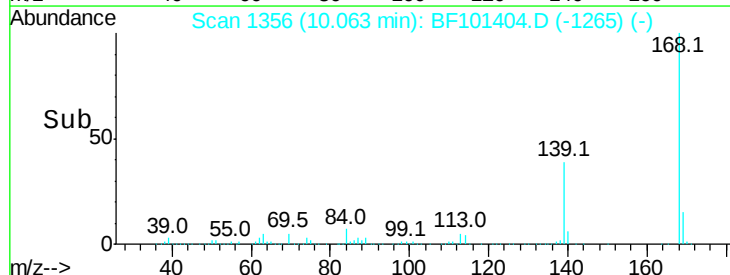
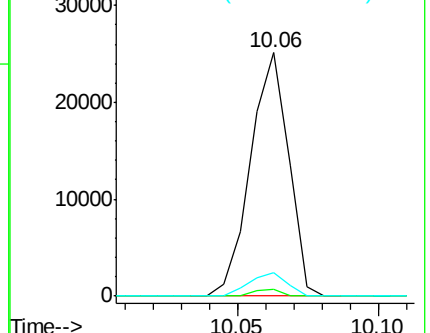
92 9.4 89.4 134.2#

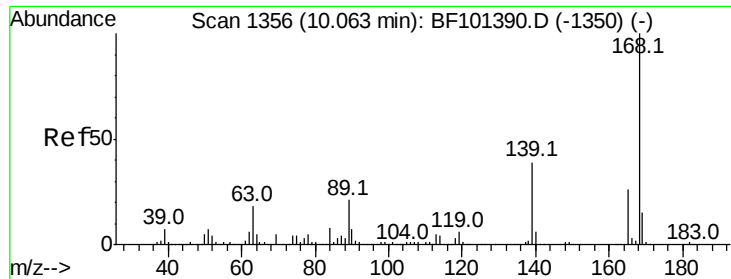


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

Dibenzenofuran

Concen: 51.404 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

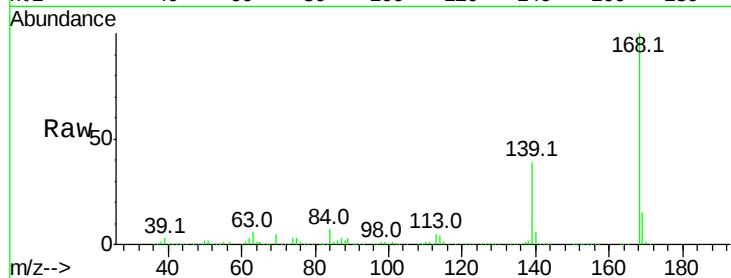
Instrument :

BNA_F

ClientSampleId :

Tot Ion:168 Resp: 1390837

Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.1	45.1
169	14.6	10.9	16.3

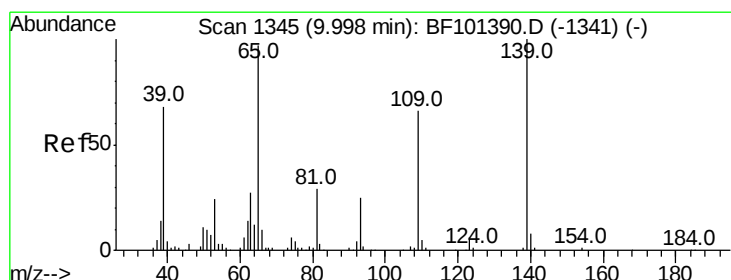
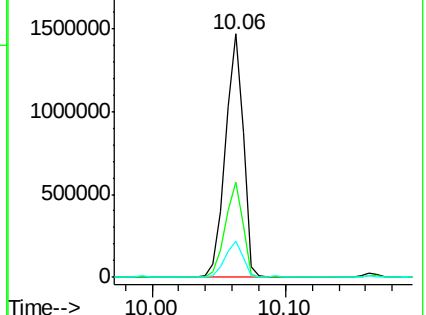
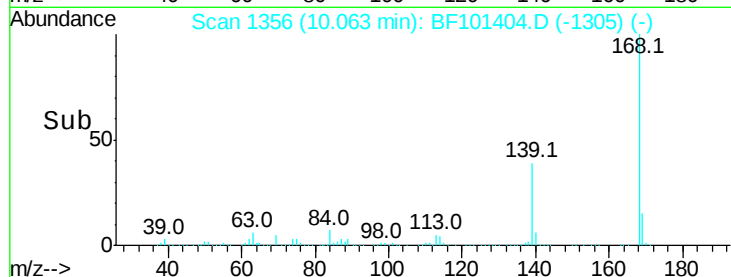


Abundance

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: 183.198 ng

RT: 10.06 min Scan# 1356

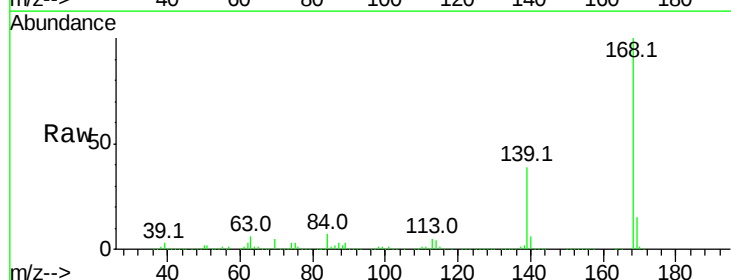
Delta R.T. 0.06 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

Tgt Ion:139 Resp: 538327

Ion	Ratio	Lower	Upper
139	100		
109	0.9	48.4	88.4#
65	1.4	72.6	112.6#

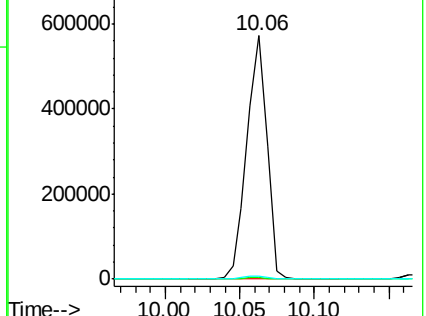
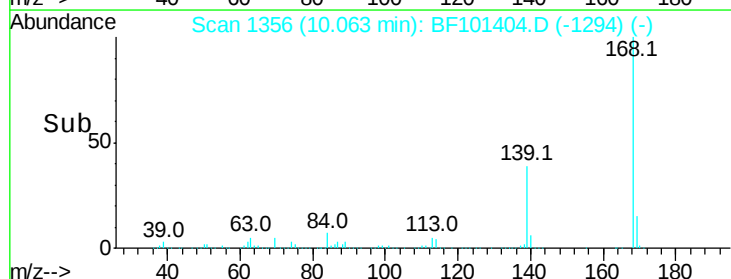


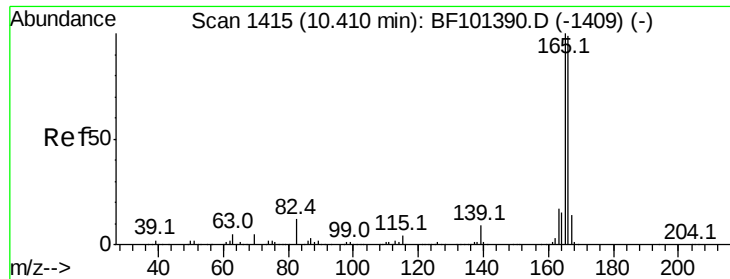
Abundance

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: 59.653 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.00 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

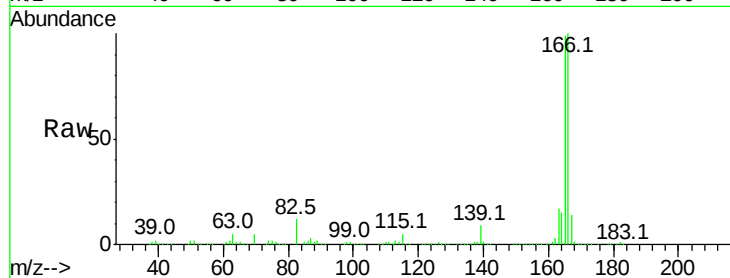
Instrument :

BNA_F

ClientSampleId :

Tot Ion:166 Resp: 1365380

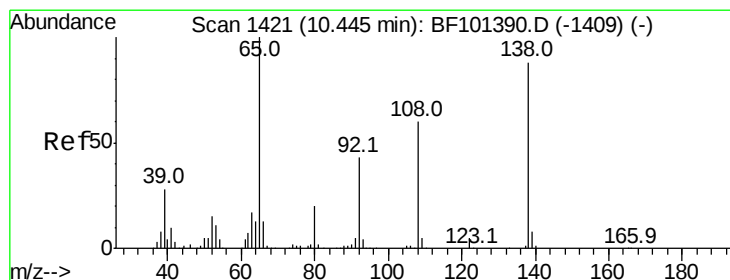
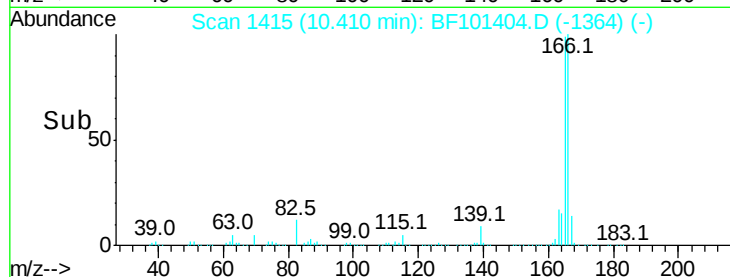
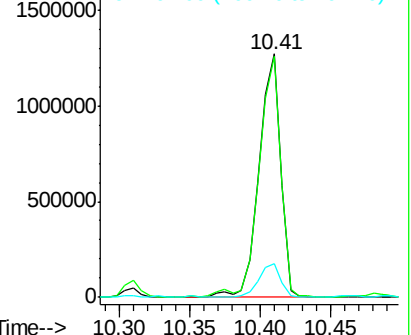
Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.8
167	14.0	10.6	16.0



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



#61

4-Nitroaniline

Concen: 2.278 ng

RT: 10.41 min Scan# 1415

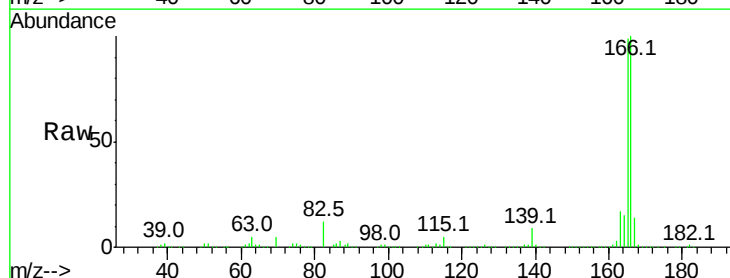
Delta R.T. -0.04 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

Tgt Ion:138 Resp: 15430

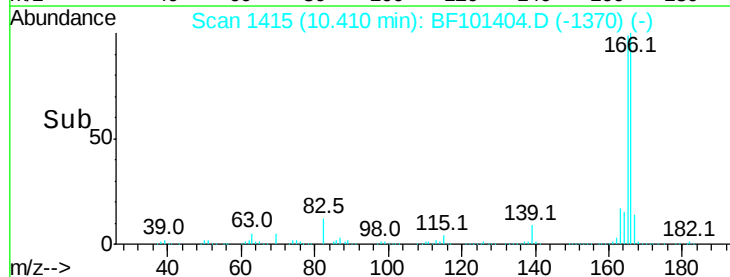
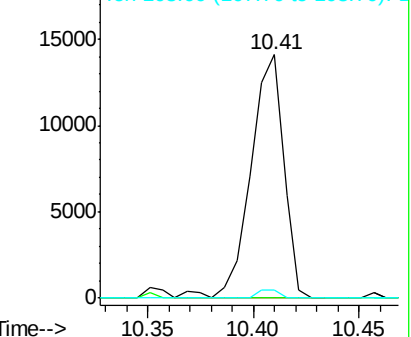
Ion	Ratio	Lower	Upper
138	100		
92	0.0	30.2	70.2#
108	3.2	52.5	92.5#

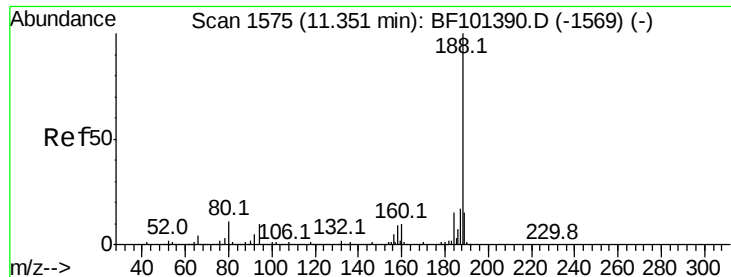


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

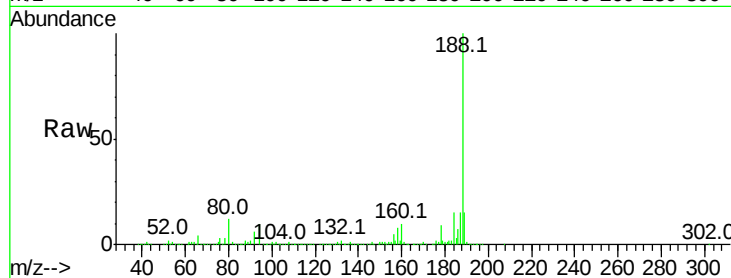




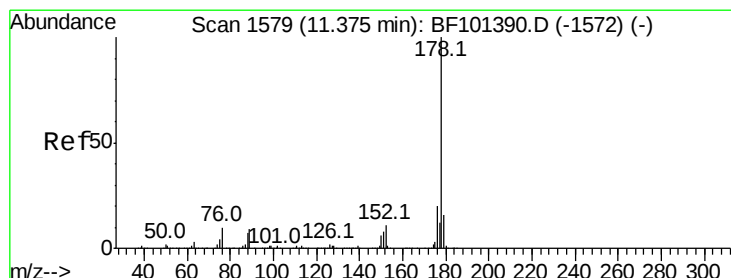
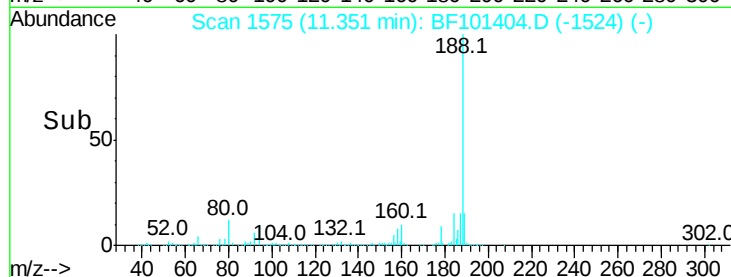
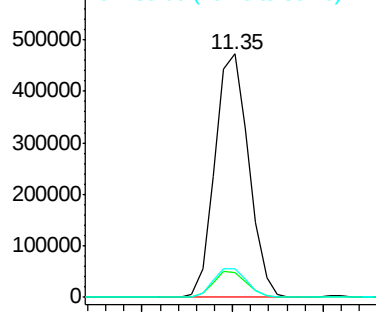
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.6	9.2	13.8

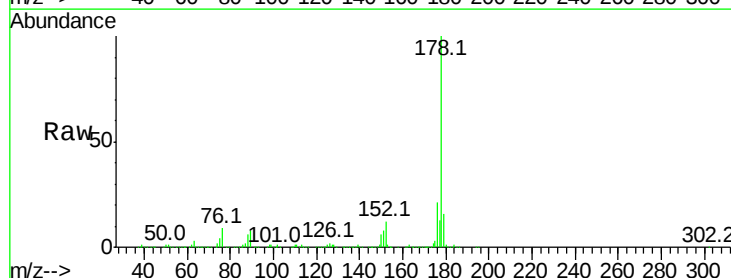


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

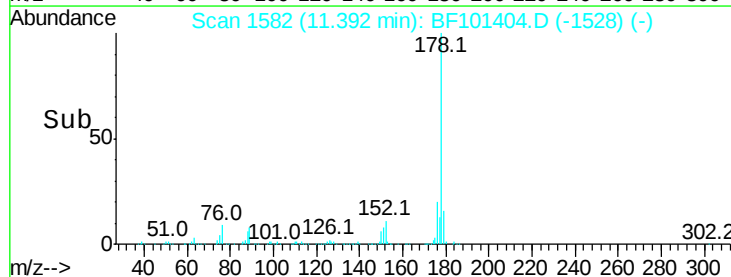
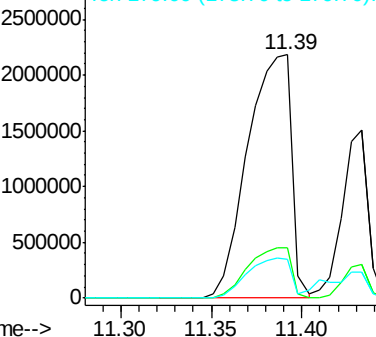


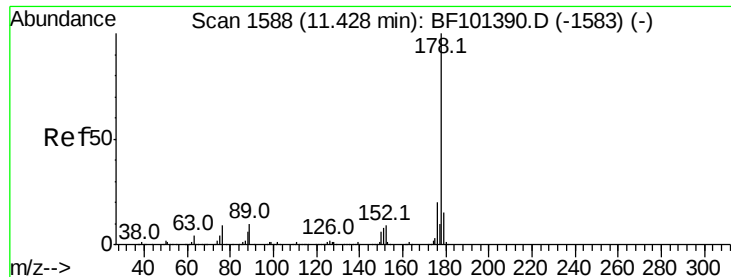
#70
Phenanthrene
Concen: 108.750 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.02 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	15.8	13.0	19.6



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



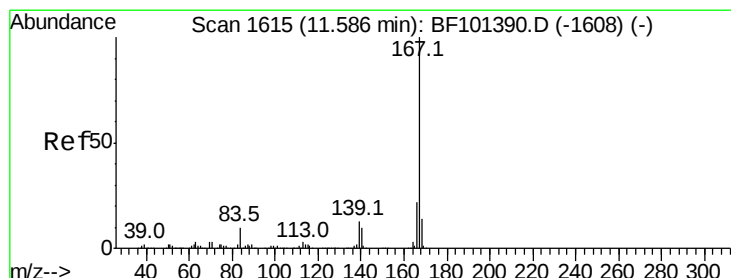
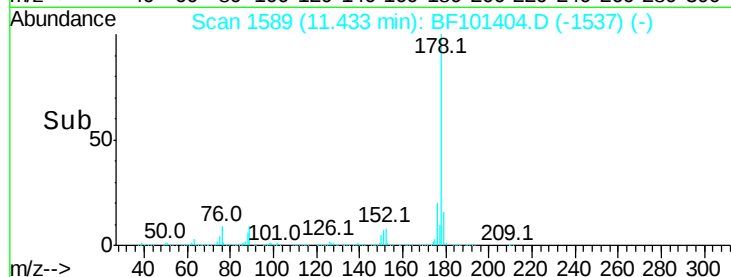
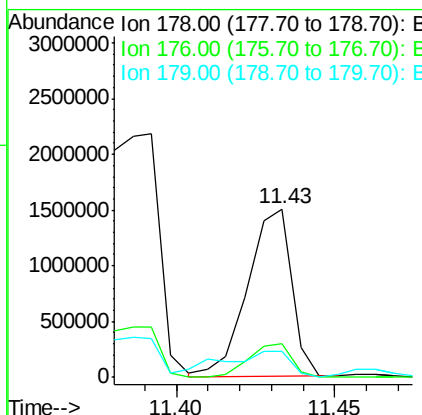
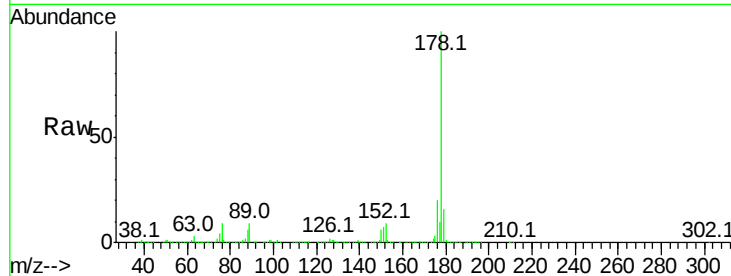


#71
 Anthracene
 Concen: 41.745 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 1449701

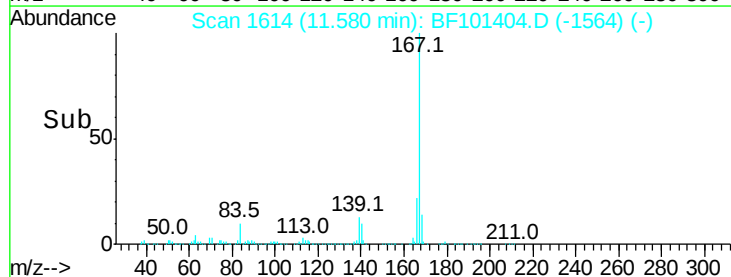
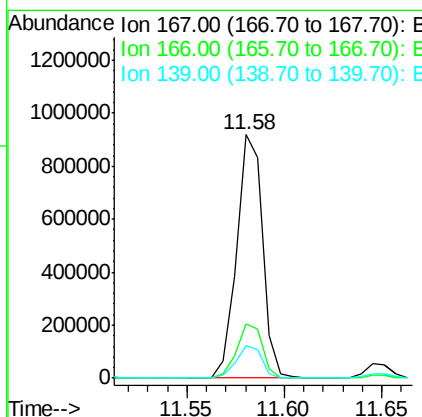
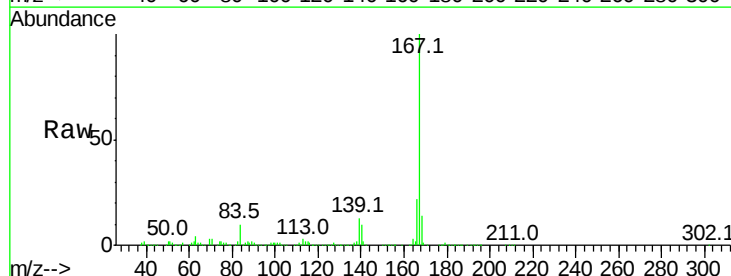
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	15.8	12.6	19.0

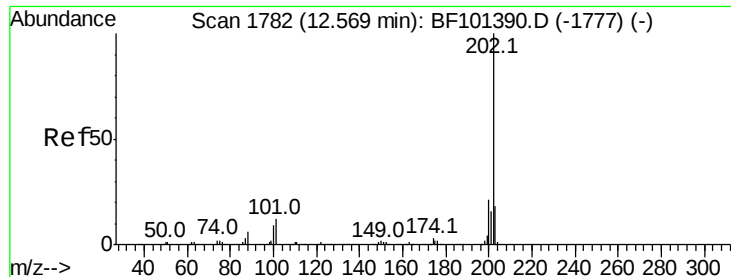


#72
 Carbazole
 Concen: 25.858 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Tgt Ion:167 Resp: 840730

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	13.3	10.9	16.3





#74

Fluoranthene

Concen: 82.548 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

Instrument :

BNA_F

ClientSampleId :

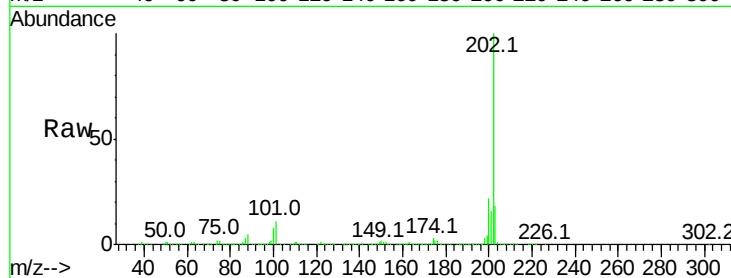
Tot Ion:202 Resp: 2945745

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

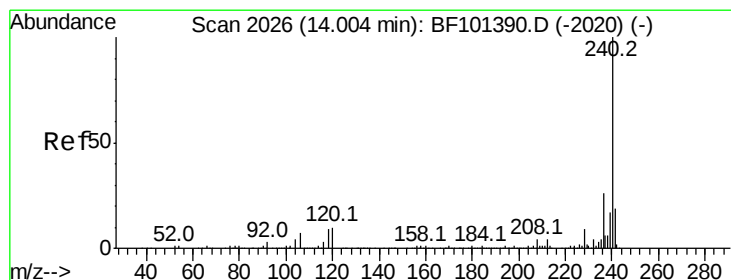
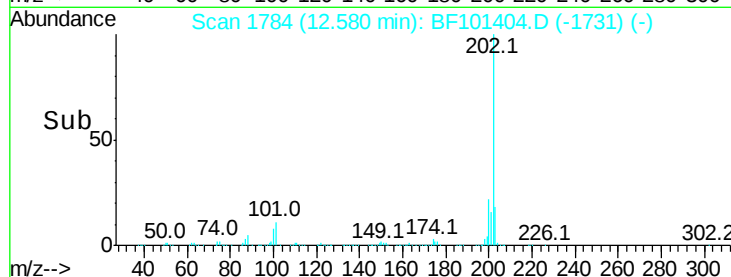
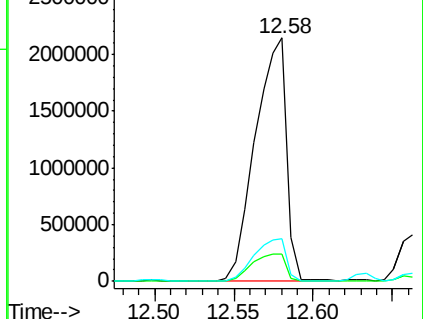
203 17.6 0.0 38.1



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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

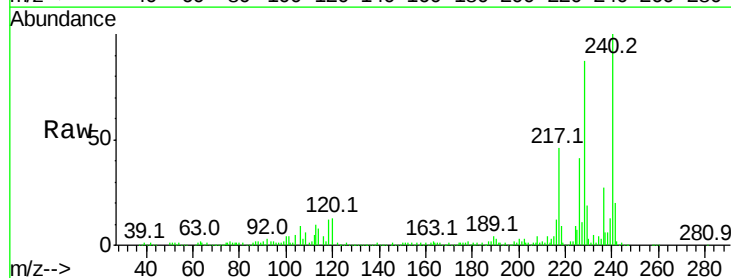
Tgt Ion:240 Resp: 335256

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

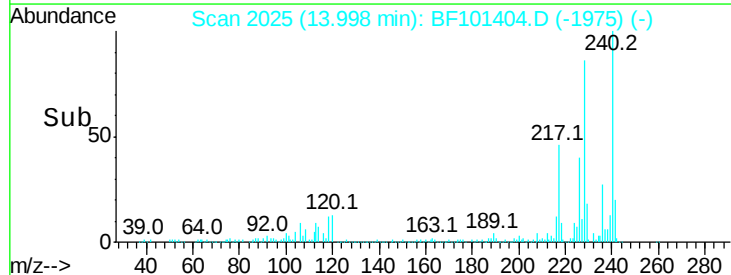
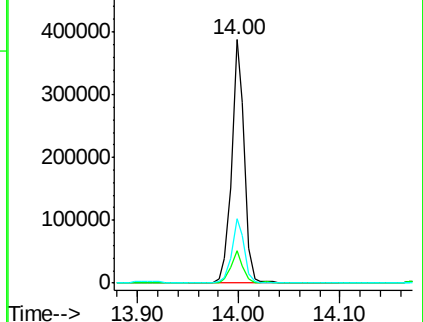
236 26.7 20.7 31.1

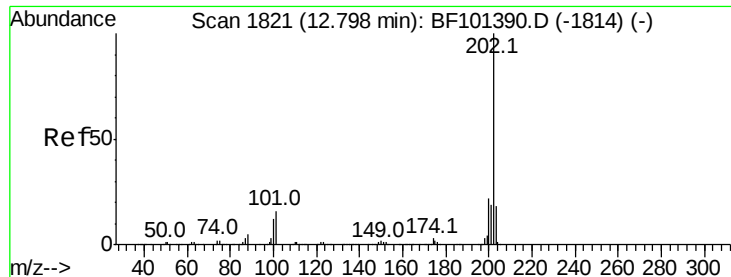


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 95.608 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

Instrument :

BNA_F

ClientSampled :

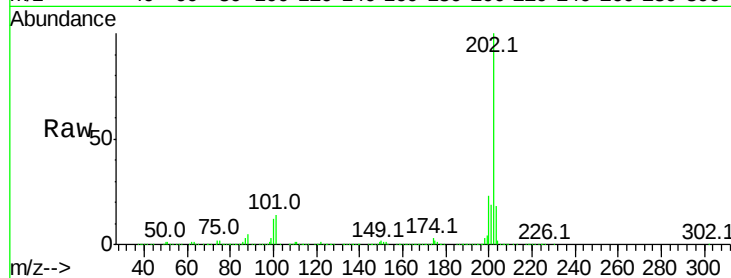
Tot Ion:202 Resp: 2405586

Ion Ratio Lower Upper

202 100

200 22.8 17.4 26.2

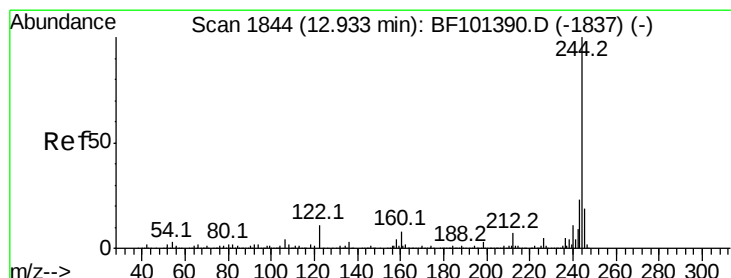
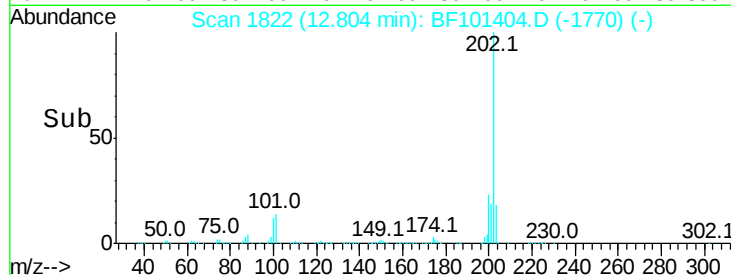
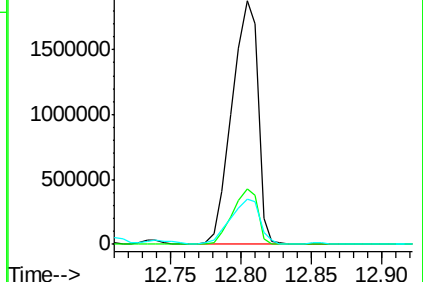
203 18.4 14.3 21.5



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: 0.345 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

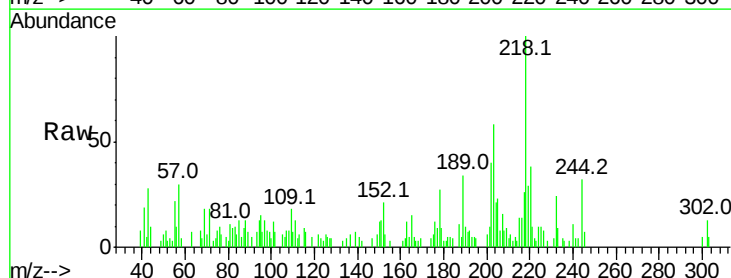
Tgt Ion:244 Resp: 4793

Ion Ratio Lower Upper

244 100

212 9.3 5.4 8.0#

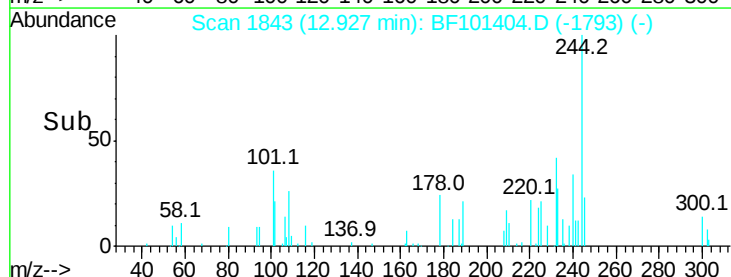
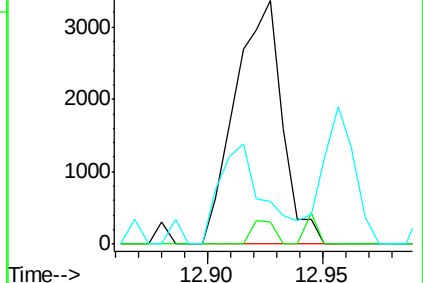
122 17.7 11.0 16.4#

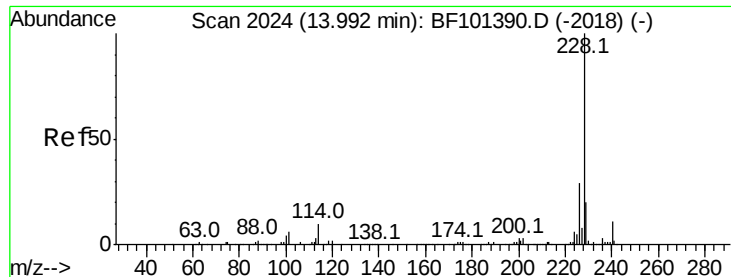


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

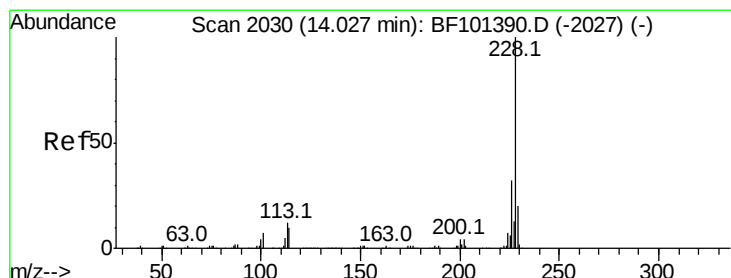
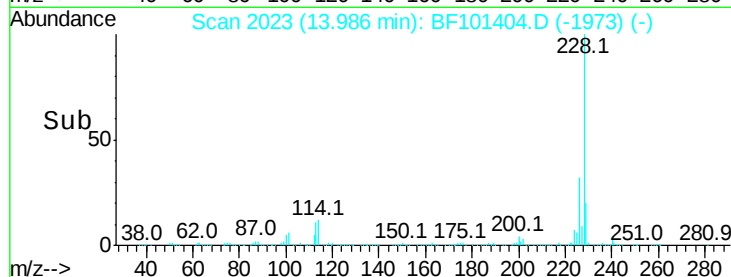
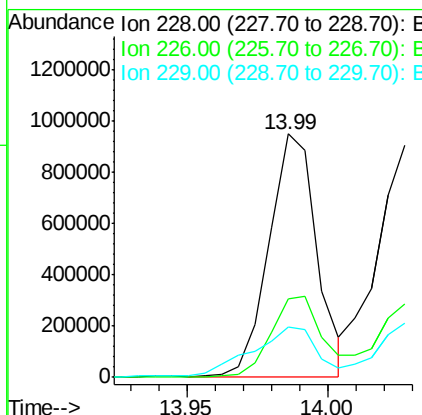
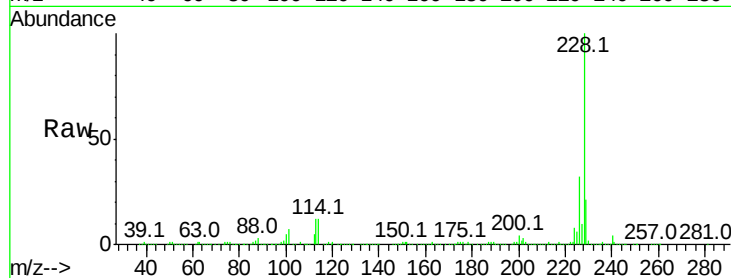




#80
Benzo(a)anthracene
Concen: 50.243 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

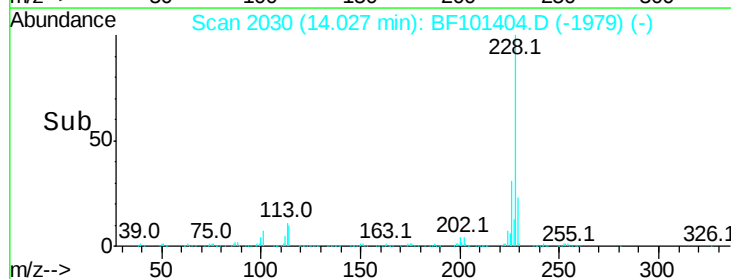
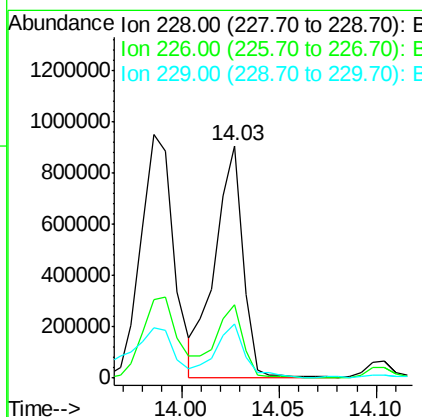
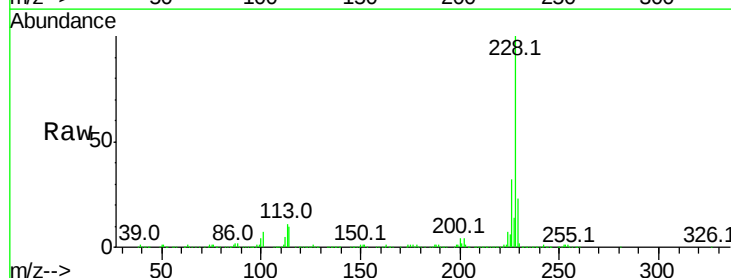
Instrument :
BNA_F
ClientSampleId :

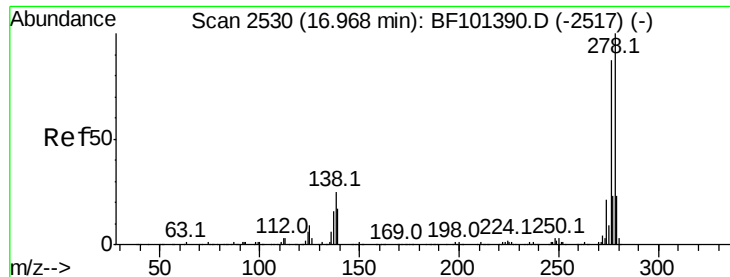
Tot Ion:228 Resp: 1112245
Ion Ratio Lower Upper
228 100
226 32.2 22.6 33.8
229 20.9 15.8 23.6



#82
Chrysene
Concen: 43.065 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

Tgt Ion:228 Resp: 900147
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 23.1 16.2 24.4

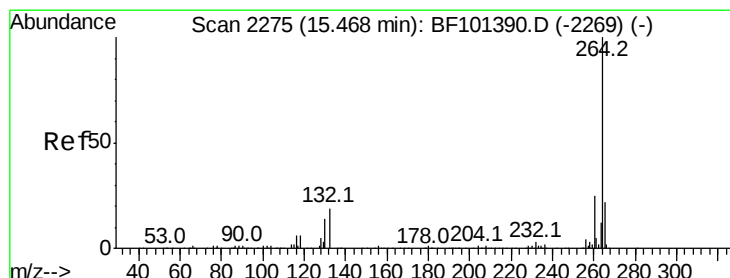
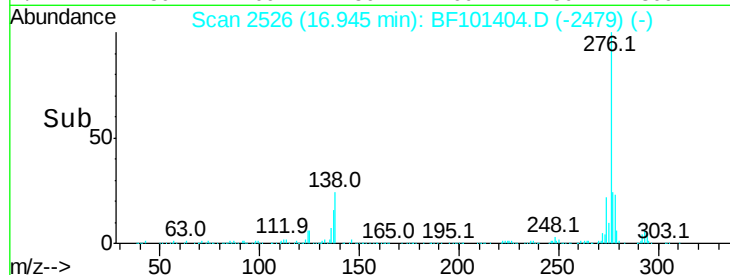
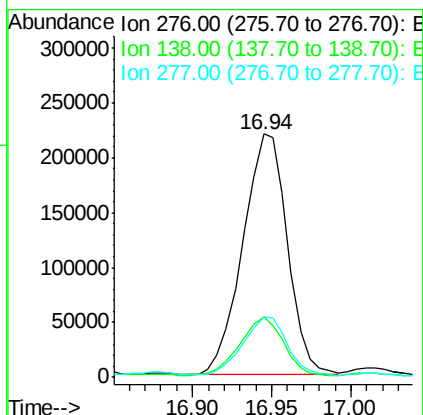
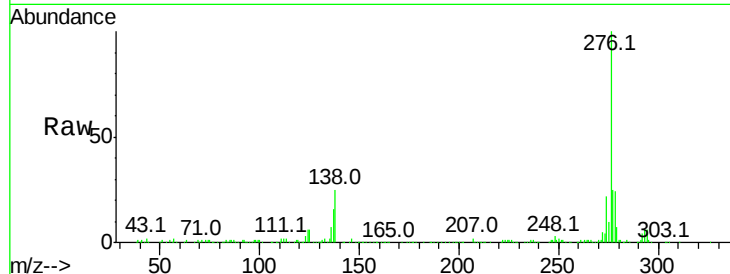




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 23.027 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

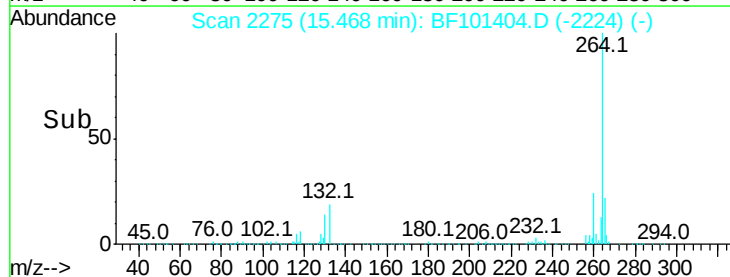
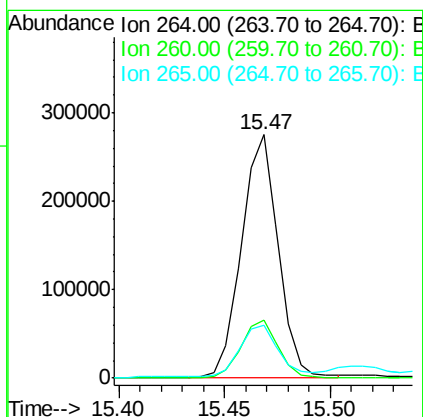
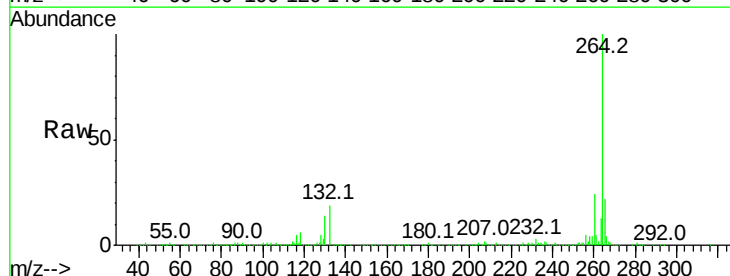
Instrument :
 BNA_F
 ClientSampleId :

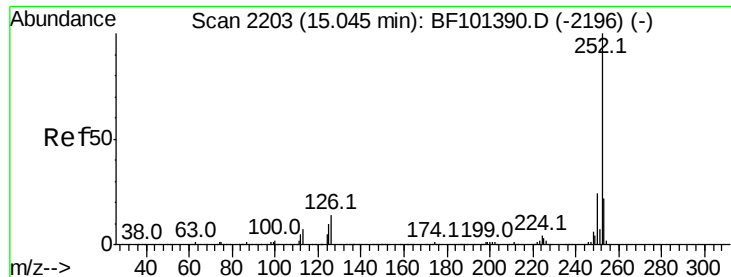
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	23.7	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.00 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 63.051 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

Instrument :

BNA_F

ClientSampleId :

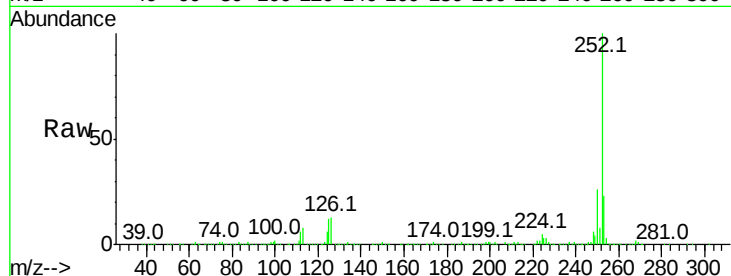
Tot Ion:252 Resp: 1268481

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

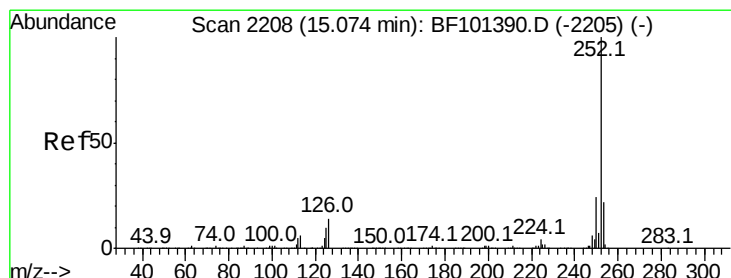
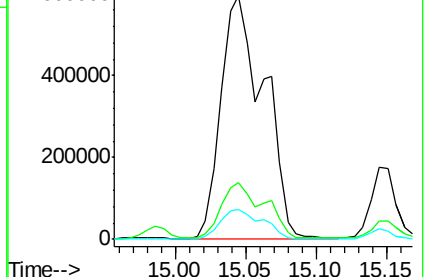
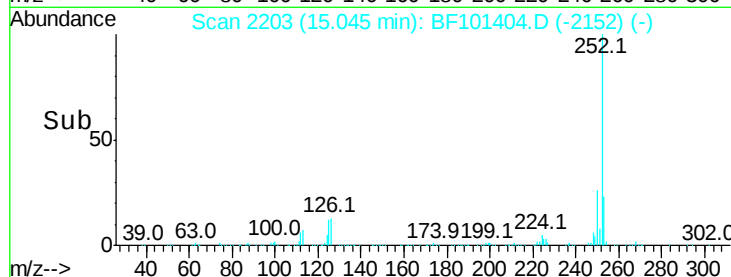
125 12.3 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 64.849 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.03 min

Lab File: BF101404.D

Acq: 14 Dec 2017 20:17

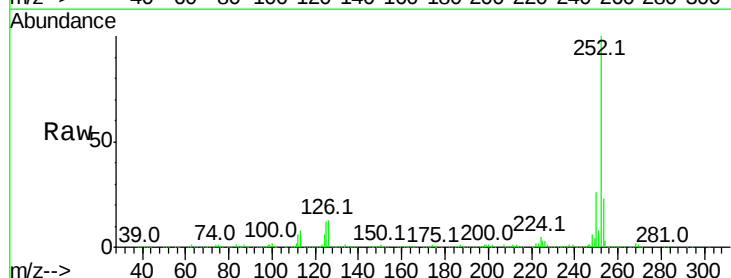
Tgt Ion:252 Resp: 1268481

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

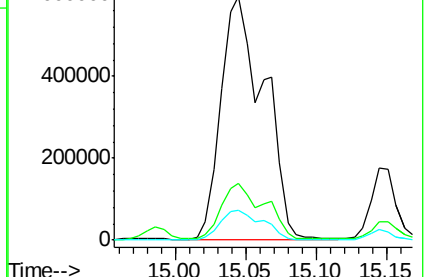
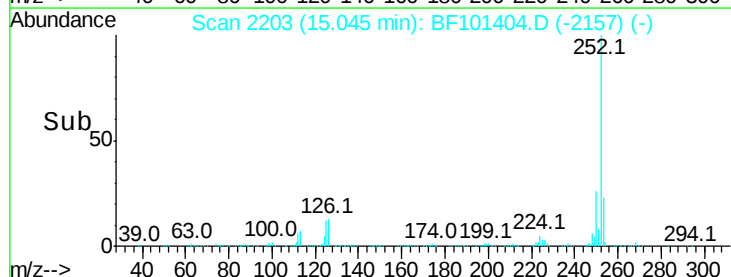
125 12.3 10.2 15.2

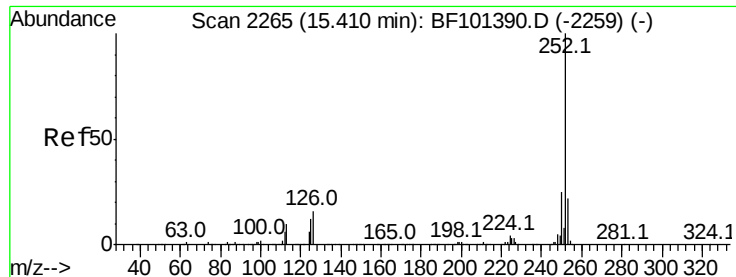


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

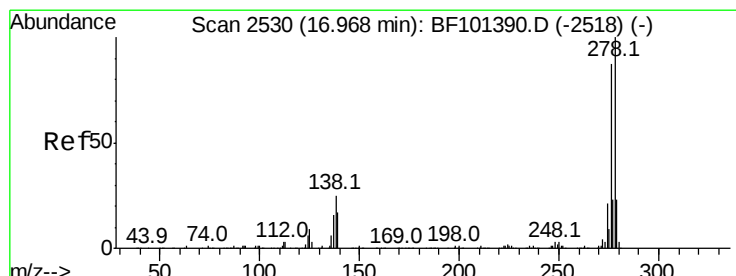
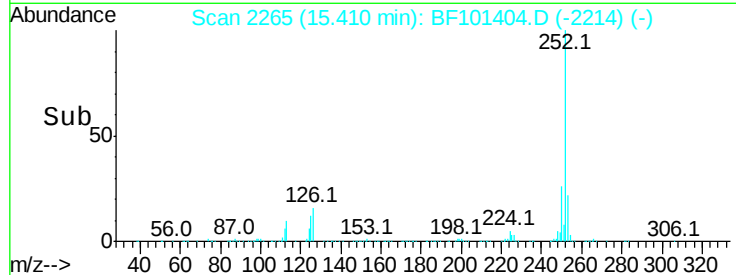
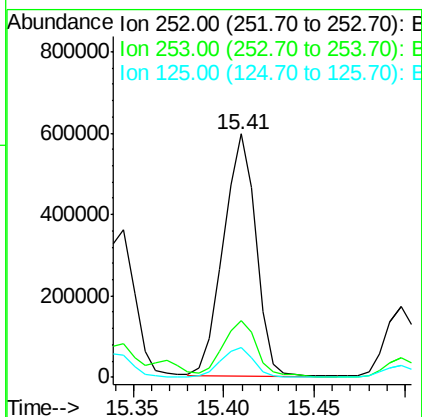
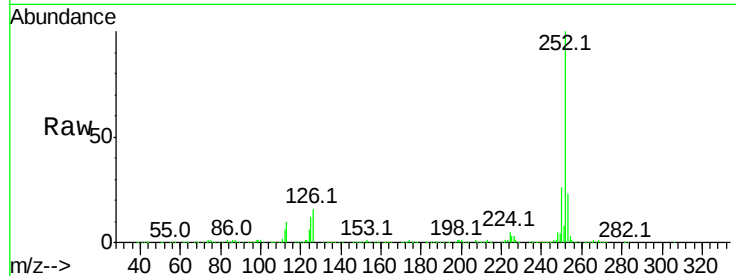




#89
Benzo(a)pyrene
Concen: 40.339 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.00 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

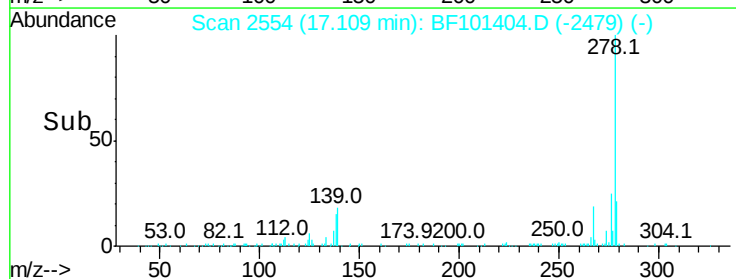
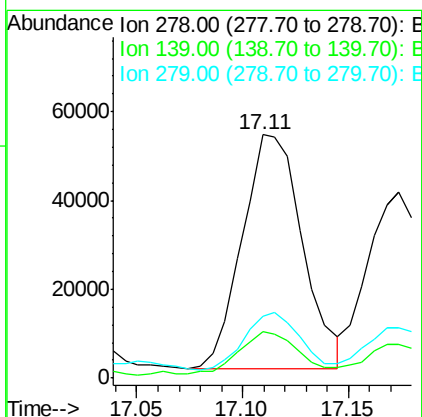
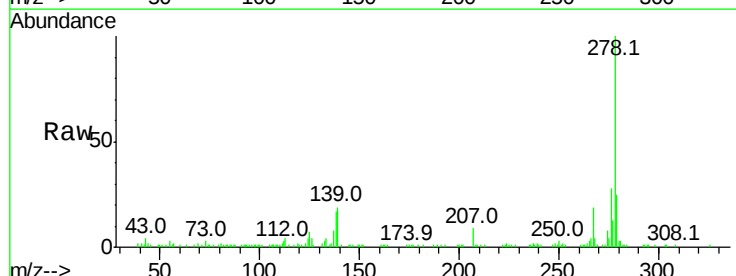
Instrument :
BNA_F
ClientSampleId :

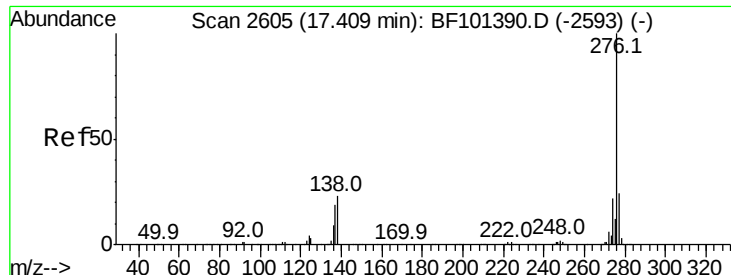
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	12.2	9.8	14.6



#90
Dibenzo(a,h)anthracene
Concen: 6.565 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.14 min
Lab File: BF101404.D
Acq: 14 Dec 2017 20:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.9	23.9
279	25.5	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 25.130 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. -0.01 min
 Lab File: BF101404.D
 Acq: 14 Dec 2017 20:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	24.2	21.8	32.8

