

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101405.D
 Acq On : 14 Dec 2017 20:43
 Operator : SJ/JU
 Sample : I6839-01 100X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 23:47:32 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	6.81	152	183038	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	699562	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	329531	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	611223	20.00	ng	0.00
75) Chrysene-d12	13.99	240	383395	20.00	ng	-0.01
86) Perylene-d12	15.46	264	336726	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	675	0.05	ng	0.06
7) Phenol-d6	6.46	99	1919	0.13	ng	0.00
23) Nitrobenzene-d5	7.40	82	875	0.07	ng	0.01
41) 2,4,6-Tribromophenol	10.66	330	384	0.12	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2045	0.10	ng	0.00
78) Terphenyl-d14	12.92	244	3401	0.21	ng	-0.01

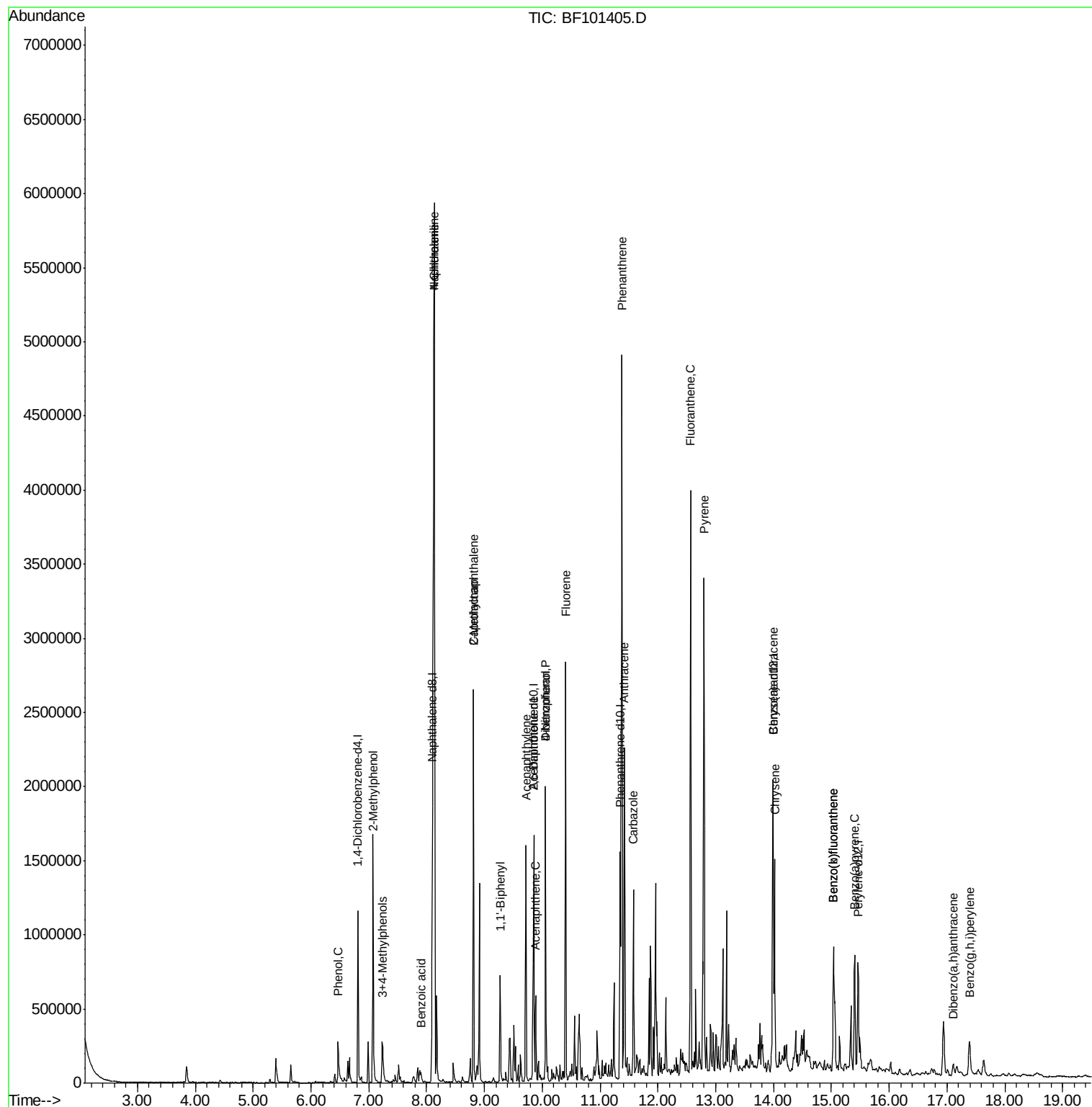
Target Compounds				Qvalue		
10) Phenol	6.47	94	156387	8.972	ng	96
17) 2-Methylphenol	7.08	107	28404	2.389	ng	96
20) 3+4-Methylphenols	7.23	107	93601	7.429	ng	90
31) Naphthalene	8.13	128	4567149	129.680	ng	98
32) Benzoic acid	7.90	122	16330	9.952	ng	# 17
33) 4-Chloroaniline	8.13	127	640714	41.857	ng	# 34
35) Caprolactam	8.81	113	16128	4.631	ng	# 1
37) 2-Methylnaphthalene	8.81	142	725132	31.602	ng	99
45) 1,1'-Biphenyl	9.27	154	230165	7.876	ng	97
48) Acenaphthylene	9.72	152	644026	18.235	ng	100
50) 2,6-Dinitrotoluene	9.85	165	54491	10.115	ng	# 25
51) Acenaphthene	9.89	154	110194	5.193	ng	96
54) Dibenzofuran	10.06	168	775355	28.752	ng	97
55) 4-Nitrophenol	10.06	139	298102	101.787	ng	# 10
57) Fluorene	10.40	166	789071	34.590	ng	99
70) Phenanthrene	11.38	178	2321019	68.283	ng	99
71) Anthracene	11.42	178	882698	25.423	ng	100
72) Carbazole	11.58	167	444797	13.683	ng	99
74) Fluoranthene	12.57	202	1780163	49.895	ng	98
77) Pvrene	12.80	202	1415617	49.198	ng	99
80) Benzo(a)anthracene	13.99	228	608550	24.038	ng	95
82) Chrysene	14.02	228	527481	22.067	ng	98
87) Benzo(b)fluoranthene	15.04	252	638322	31.101	ng	98
88) Benzo(k)fluoranthene	15.04	252	638322	31.988	ng	99
89) Benzo(a)pyrene	15.40	252	376310	19.889	ng	98
90) Dibenzo(a,h)anthracene	17.11	278	46926	2.889	ng	94
91) Benzo(g,h,i)perylene	17.39	276	183682	11.419	ng	94

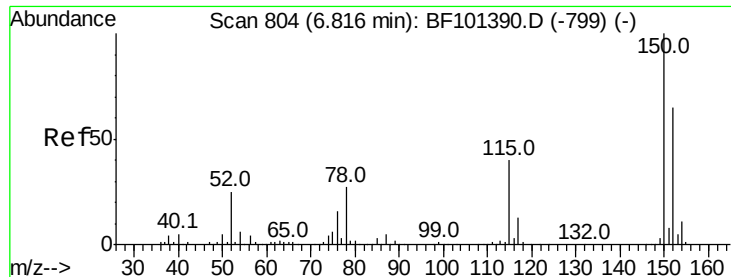
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 15:42:32 2017
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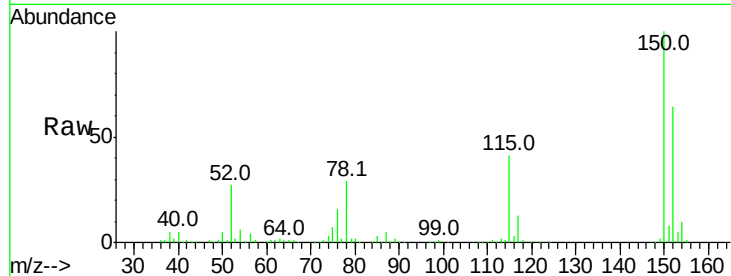


#1

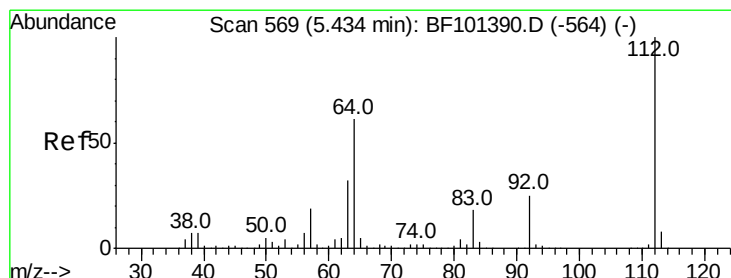
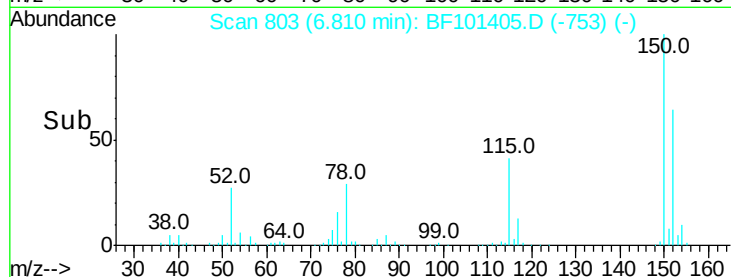
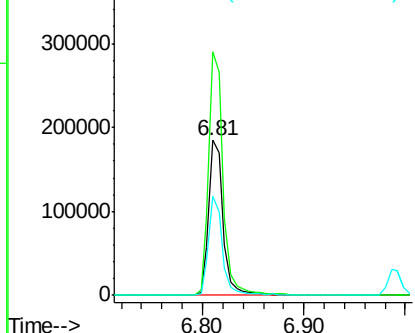
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 183038
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 64.1 50.1 75.1



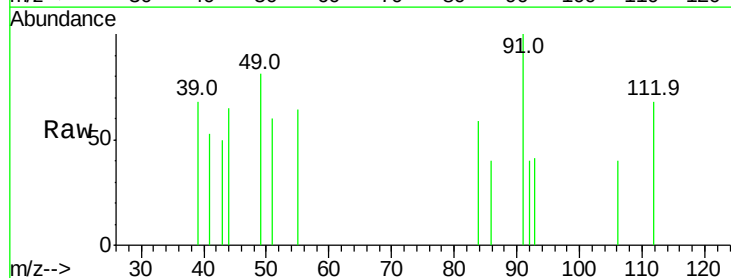
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



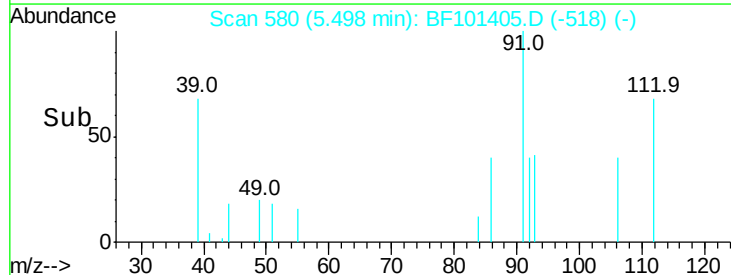
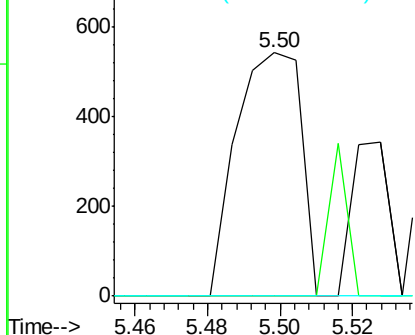
#5

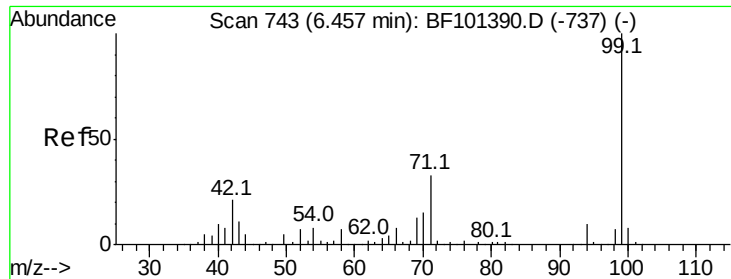
2-Fluorophenol
Concen: 0.055 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.06 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

Tgt Ion:112 Resp: 675
Ion Ratio Lower Upper
112 100
64 0.0 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: 0.125 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampleId :

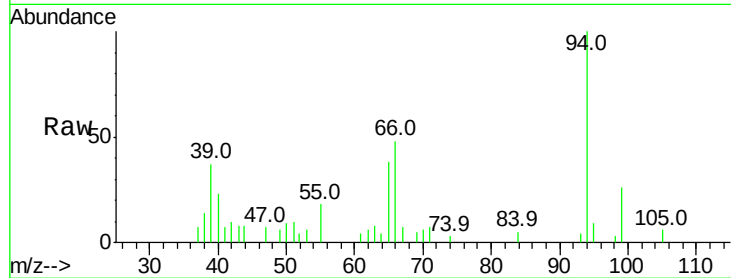
Tot Ion: 99 Resp: 1919

Ion Ratio Lower Upper

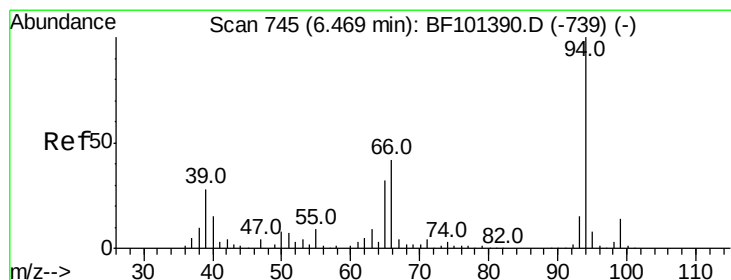
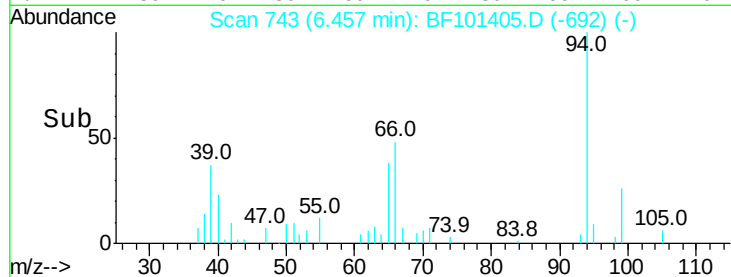
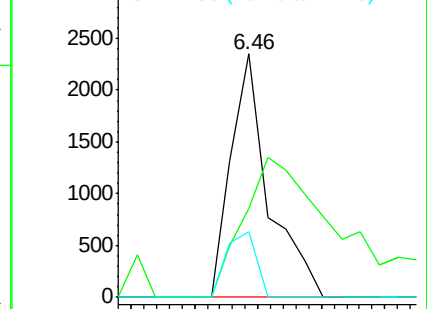
99 100

42 36.5 14.5 21.7#

71 27.1 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



#10

Phenol

Concen: 8.972 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

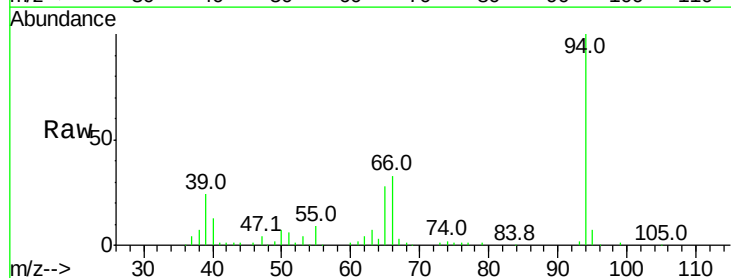
Tgt Ion: 94 Resp: 156387

Ion Ratio Lower Upper

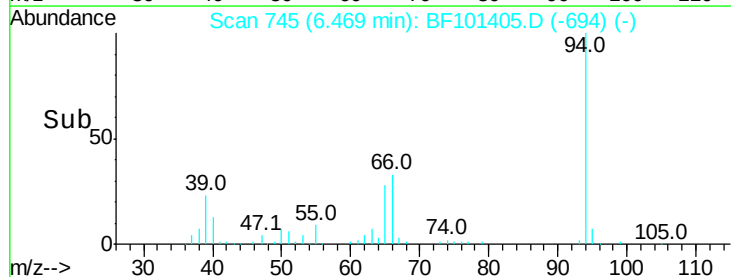
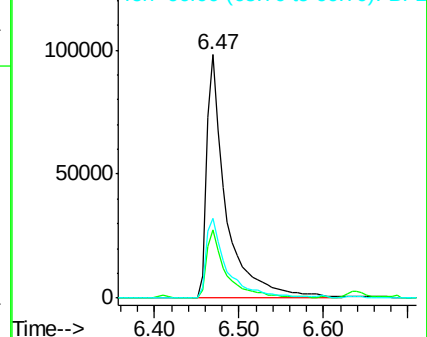
94 100

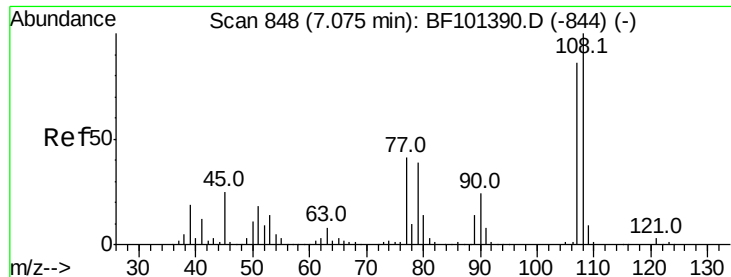
65 28.2 7.9 47.9

66 32.7 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: 2.389 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 28404

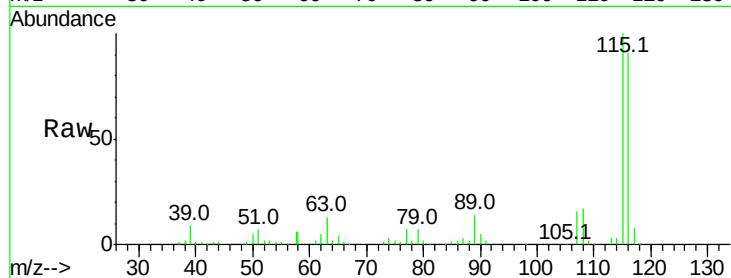
Ion Ratio Lower Upper

107 100

108 108.4 91.7 137.5

77 44.4 33.8 50.8

79 42.5 33.8 50.8

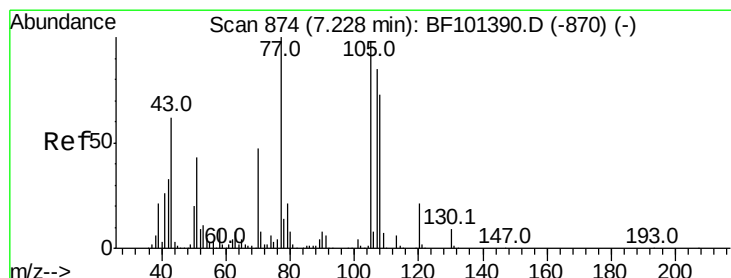
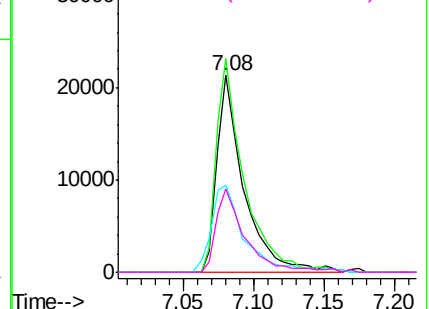
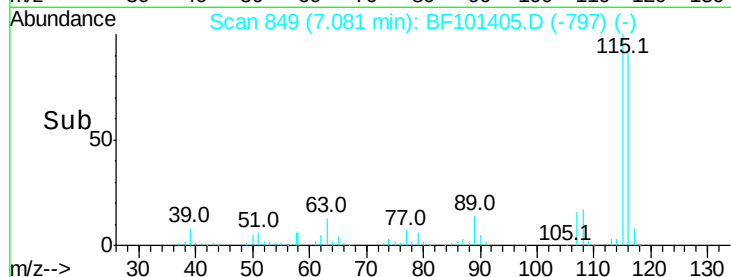


Abundance Ion 107.00 (106.70 to 107.70): E

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



#20

3+4-Methylphenols

Concen: 7.429 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Tgt Ion:107 Resp: 93601

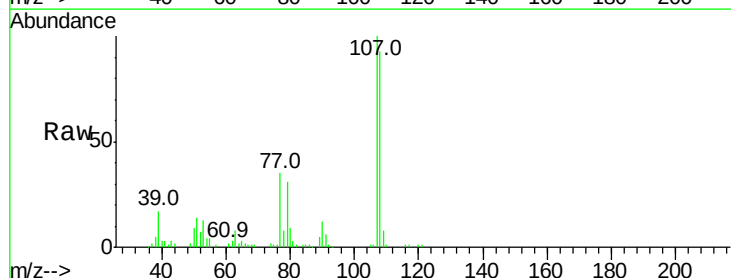
Ion Ratio Lower Upper

107 100

108 93.2 68.2 108.2

77 34.6 26.7 66.7

79 31.0 6.3 46.3

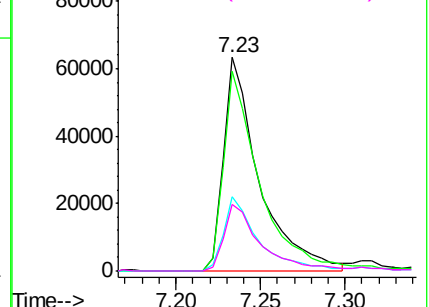
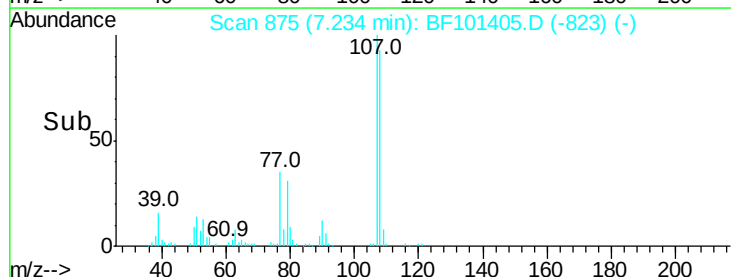


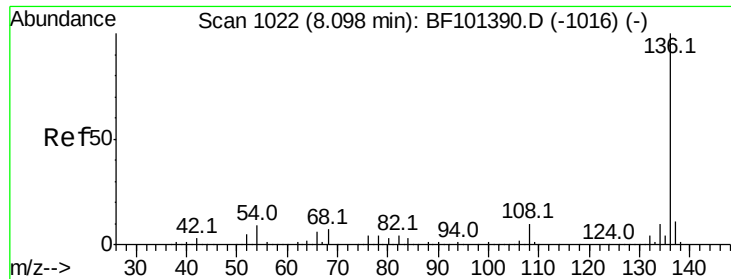
Abundance Ion 107.00 (106.70 to 107.70): E

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

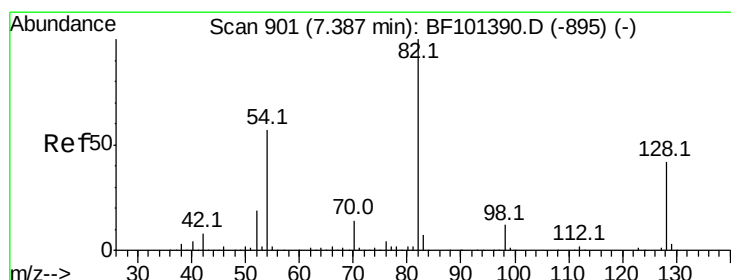
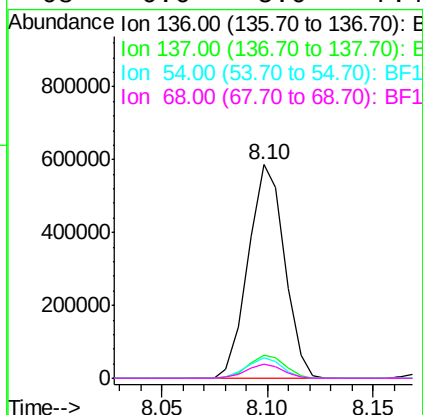
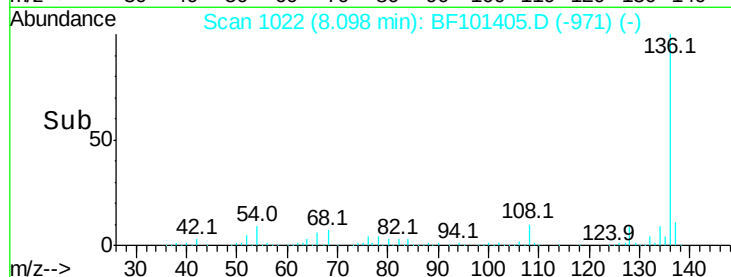
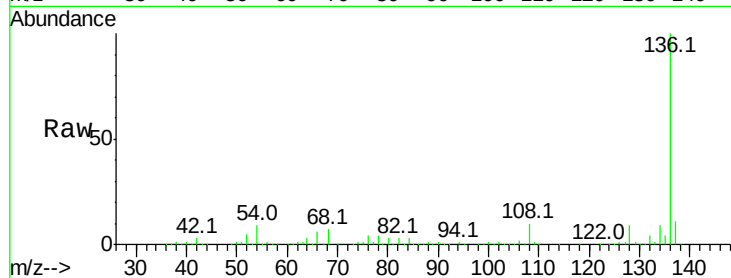




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

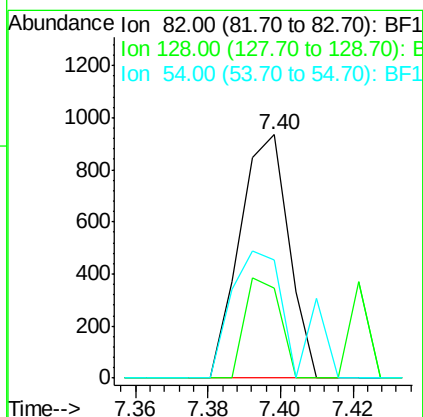
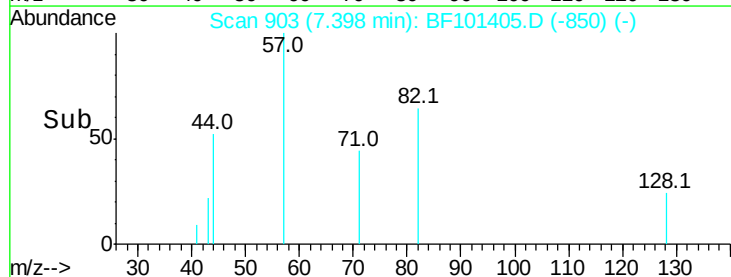
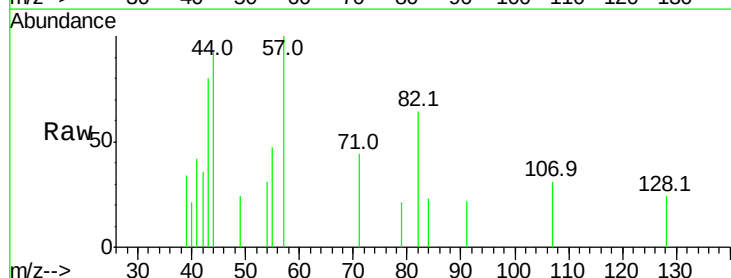
Instrument :
BNA_F
ClientSampleId :

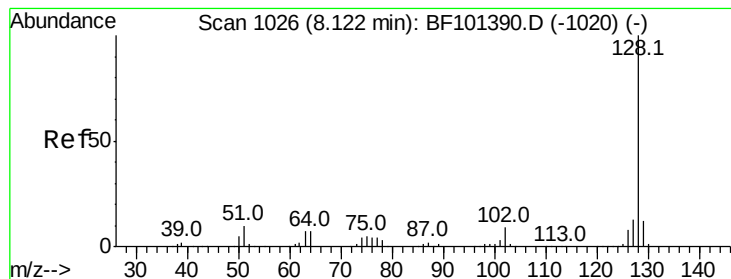
Tot Ion:	136	Resp:	699562
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.5	6.6	9.8
68	6.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 0.070 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.01 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

Tgt Ion:	82	Resp:	875
Ion	Ratio	Lower	Upper
82	100		
128	36.9	36.1	54.1
54	48.6	41.4	62.2





#31

Naphthalene

Concen: 129.680 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

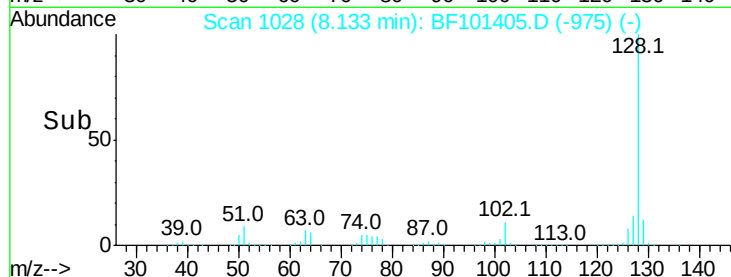
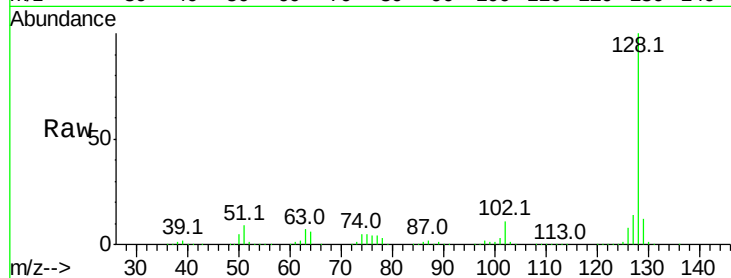
Instrument :

BNA_F

ClientSampleId :

Tot Ion:128 Resp: 4567149

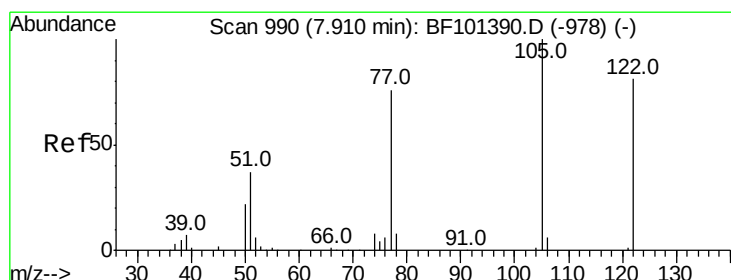
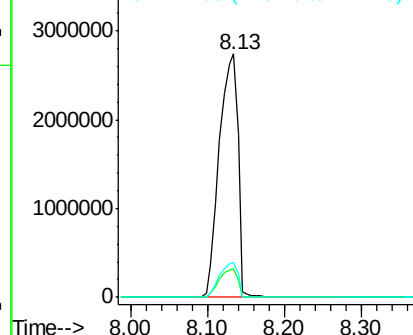
Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	14.4	10.9	16.3



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: 9.952 ng

RT: 7.90 min Scan# 989

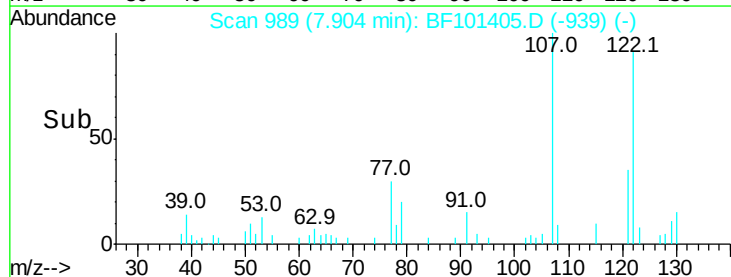
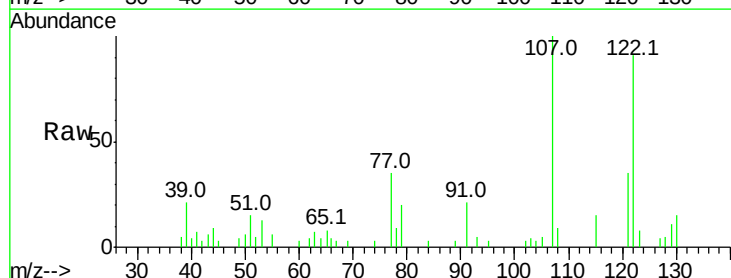
Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Tgt Ion:122 Resp: 16330

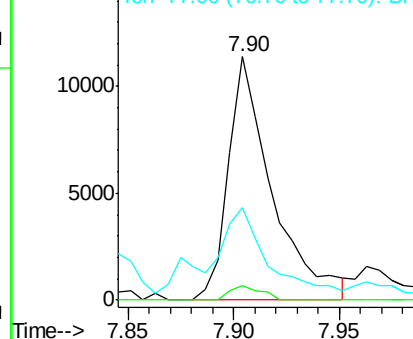
Ion	Ratio	Lower	Upper
122	100		
105	5.9	101.1	141.1#
77	37.8	70.7	110.7#

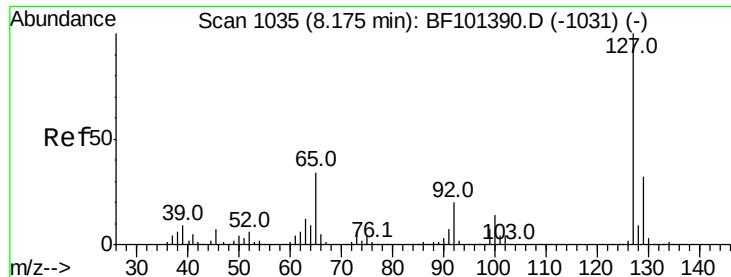


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

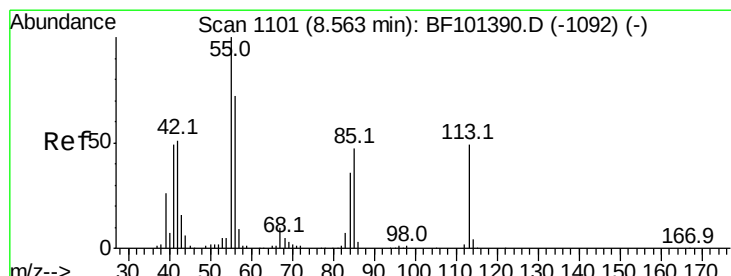
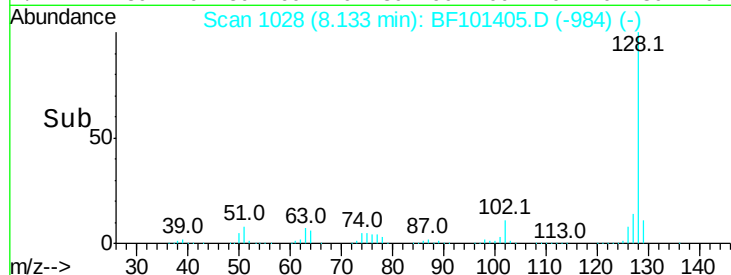
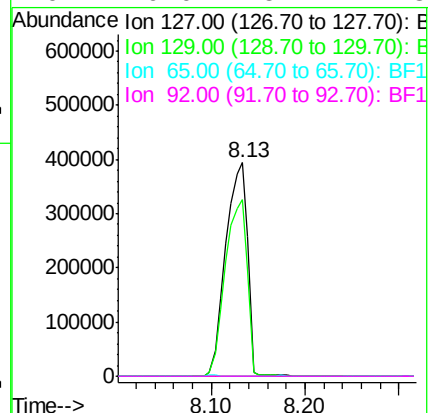
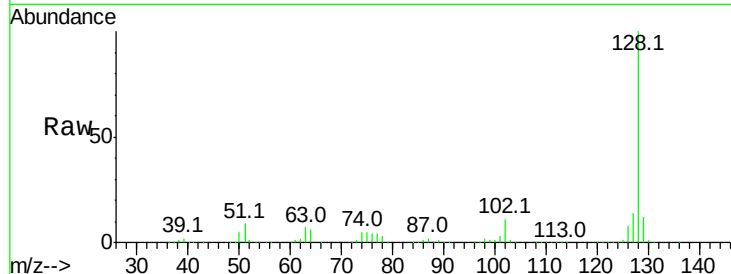




#33
 4-Chloroaniline
 Concen: 41.857 ng
 RT: 8.13 min Scan# 1028
 Delta R.T. -0.04 min
 Lab File: BF101405.D
 Acq: 14 Dec 2017 20:43

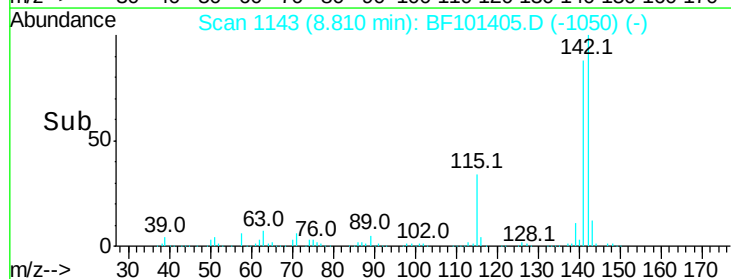
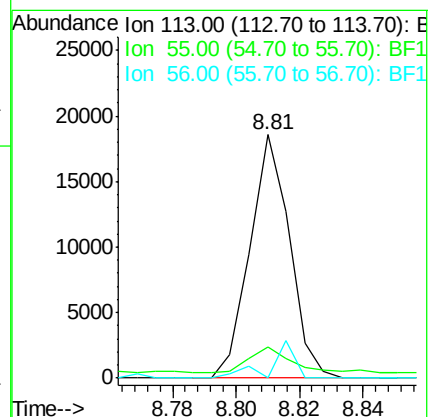
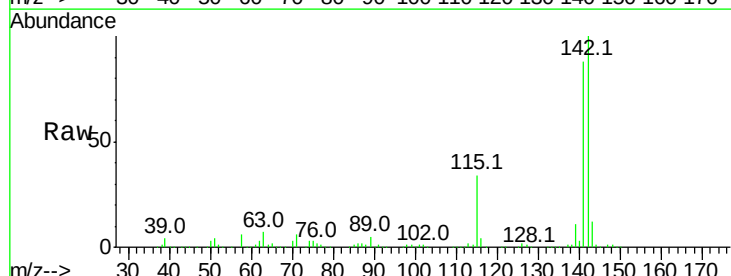
Instrument :
 BNA_F
 ClientSampleId :

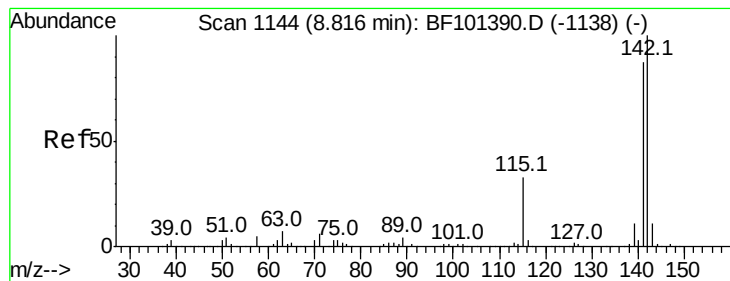
Tot Ion:	127	Resp:	640714
Ion	Ratio	Lower	Upper
127	100		
129	82.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#35
 Caprolactam
 Concen: 4.631 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. 0.25 min
 Lab File: BF101405.D
 Acq: 14 Dec 2017 20:43

Tgt Ion:	113	Resp:	16128
Ion	Ratio	Lower	Upper
113	100		
55	12.5	163.3	203.3#
56	0.0	115.7	155.7#





#37

2-Methylnaphthalene

Concen: 31.602 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampleId :

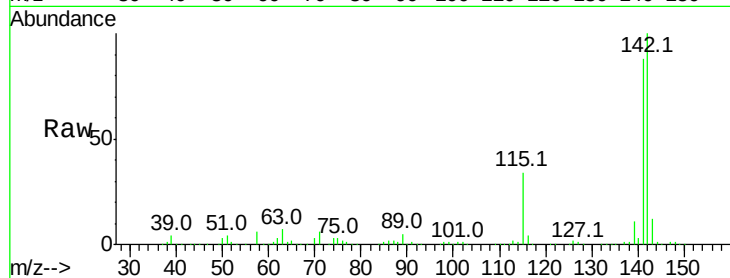
Tot Ion:142 Resp: 725132

Ion Ratio Lower Upper

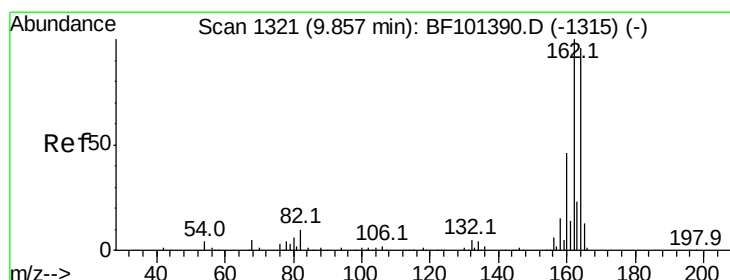
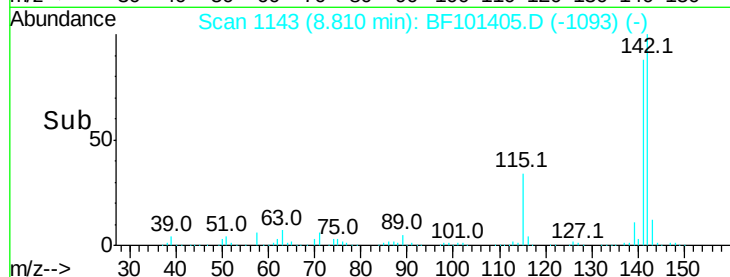
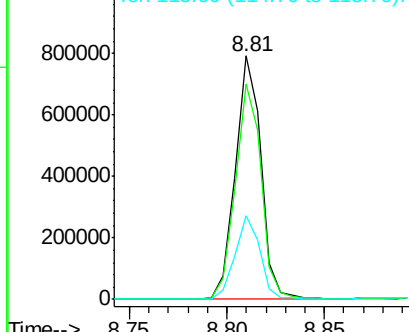
142 100

141 88.3 70.8 106.2

115 34.2 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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

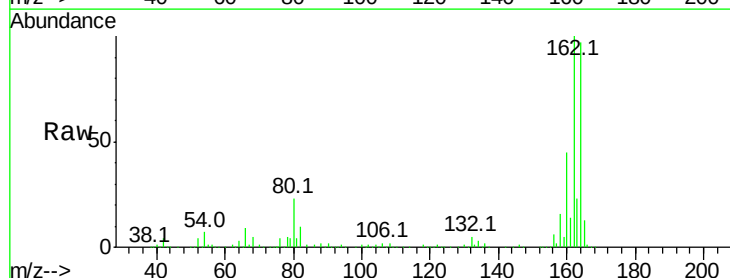
Tgt Ion:164 Resp: 329531

Ion Ratio Lower Upper

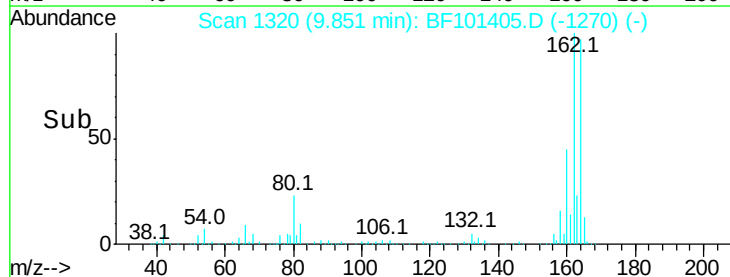
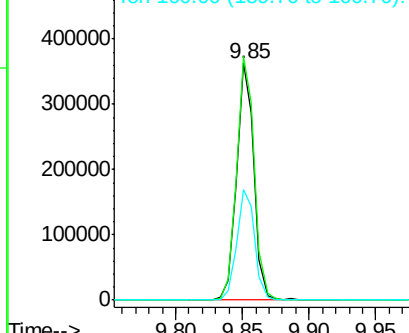
164 100

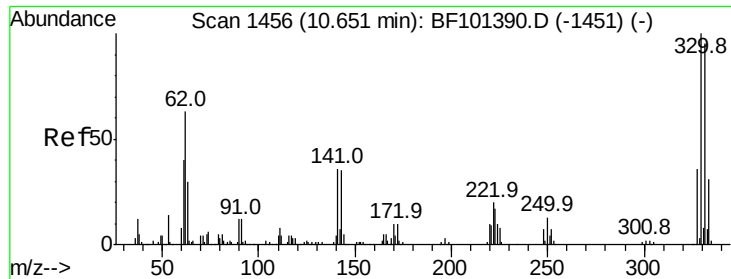
162 102.9 86.1 129.1

160 46.6 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

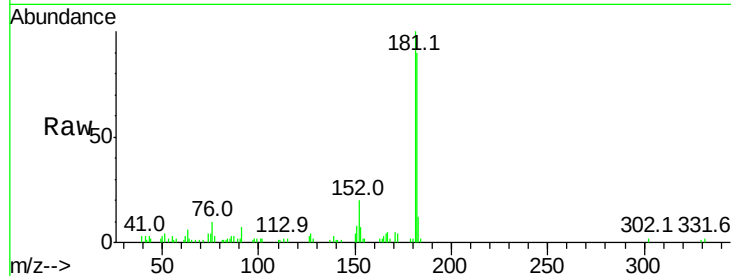




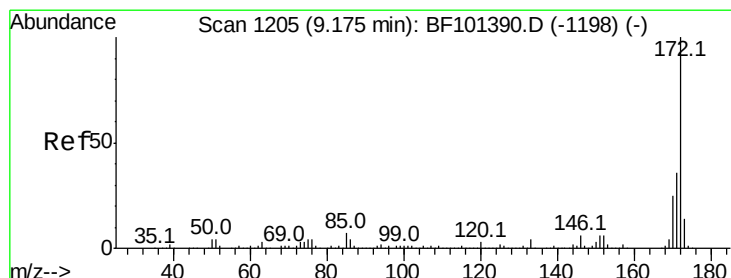
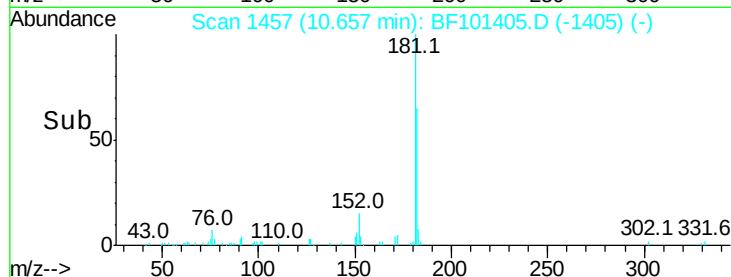
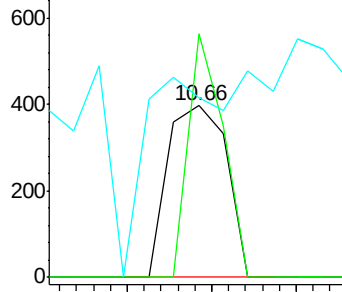
#41
 2,4,6-Tribromophenol
 Concen: 0.121 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101405.D
 Acq: 14 Dec 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 384
 Ion Ratio Lower Upper
 330 100
 332 83.9 77.0 115.6
 141 153.9 29.9 44.9#

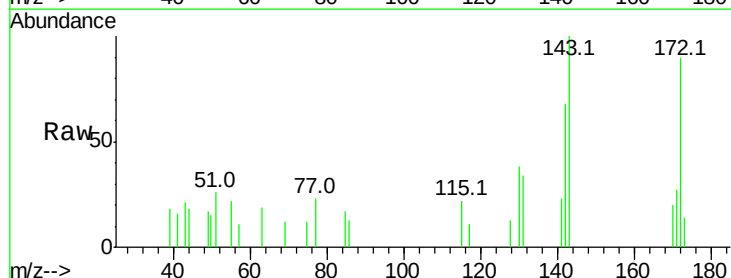


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

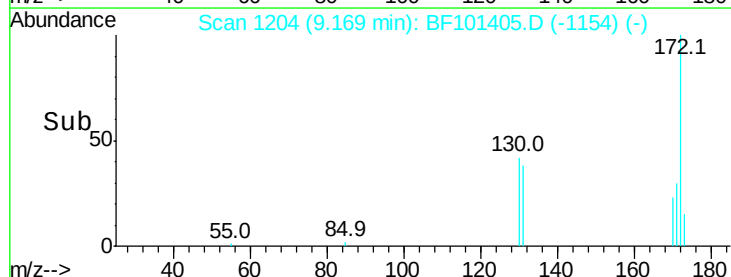
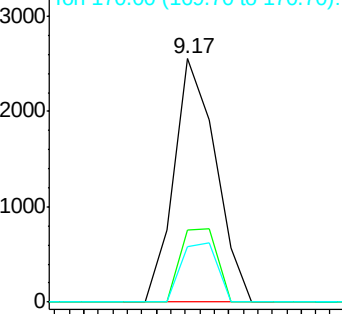


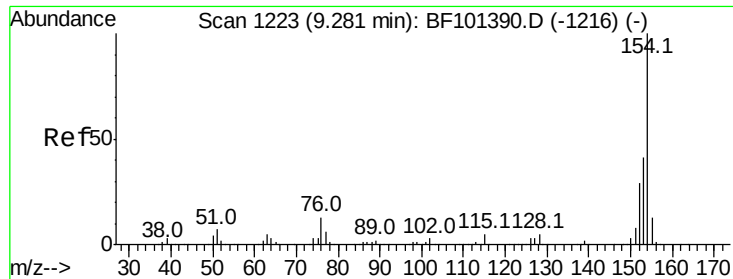
#44
 2-Fluorobiphenyl
 Concen: 0.096 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101405.D
 Acq: 14 Dec 2017 20:43

Tgt Ion:172 Resp: 2045
 Ion Ratio Lower Upper
 172 100
 171 29.7 29.7 44.5
 170 22.8 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: 7.876 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampleId :

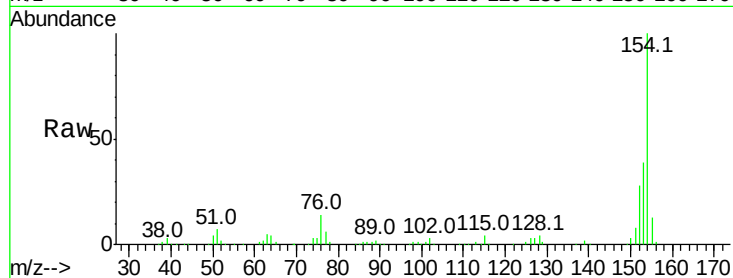
Tot Ion:154 Resp: 230165

Ion Ratio Lower Upper

154 100

153 39.2 21.3 61.3

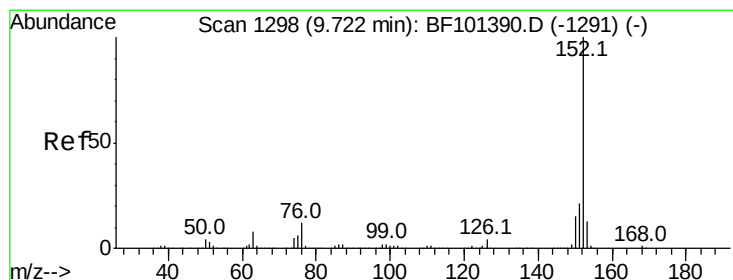
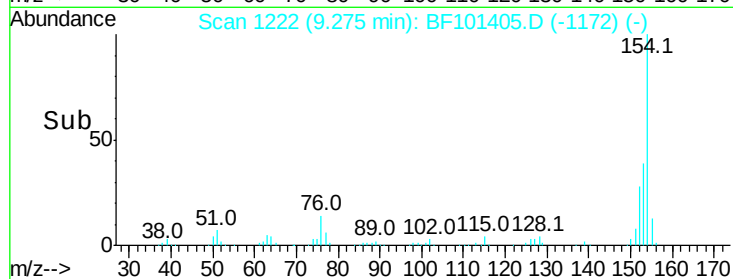
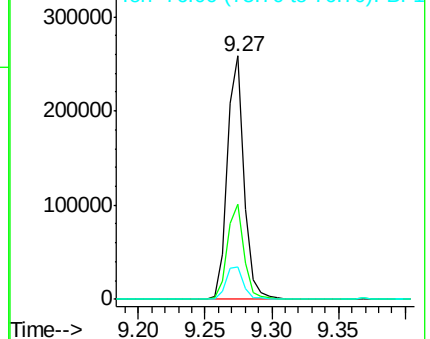
76 13.5 0.0 34.0



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: 18.235 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

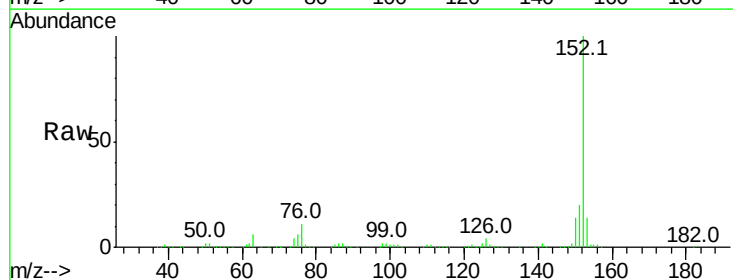
Tgt Ion:152 Resp: 644026

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

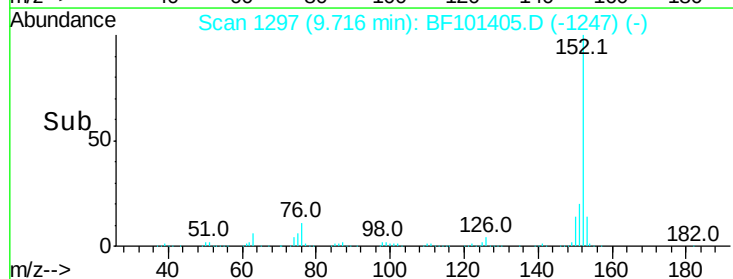
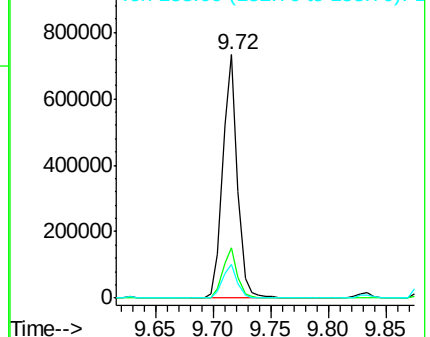
153 13.7 10.7 16.1

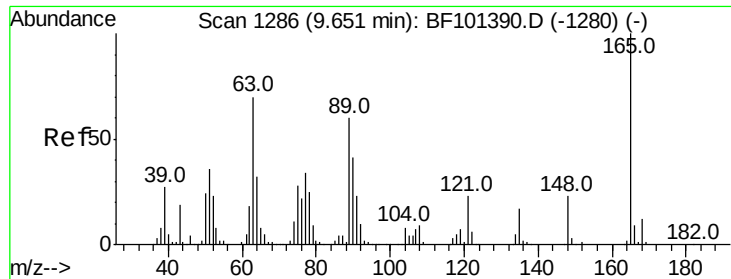


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

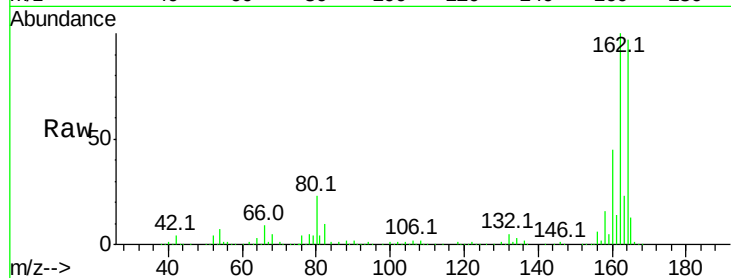




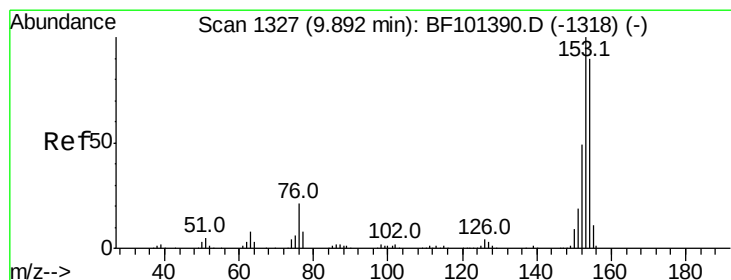
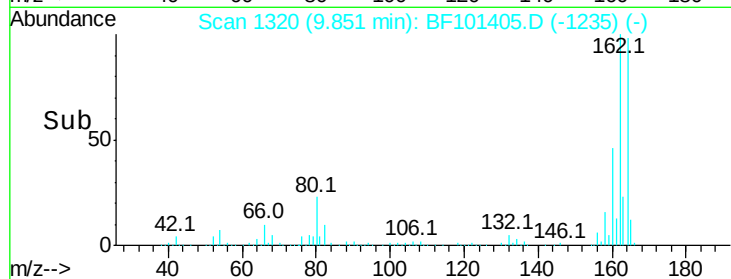
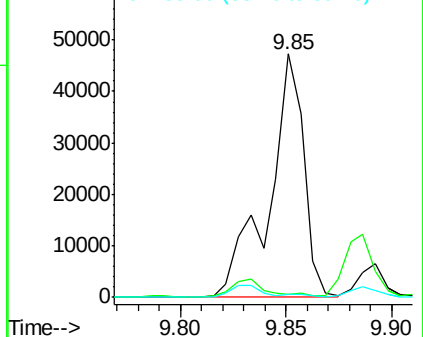
#50
2,6-Dinitrotoluene
Concen: 10.115 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 54491
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.2 44.0 66.0#

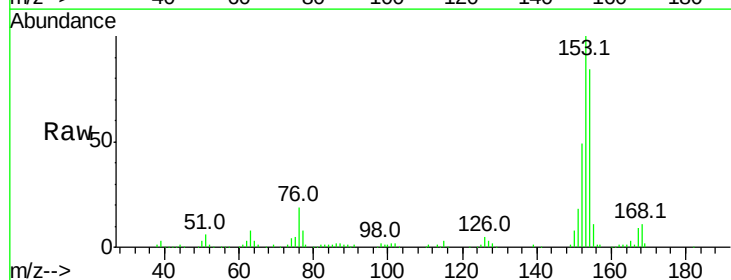


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

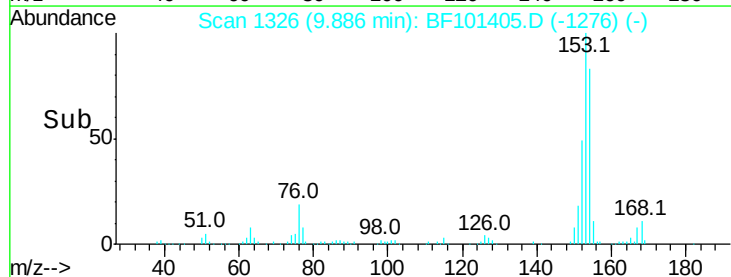
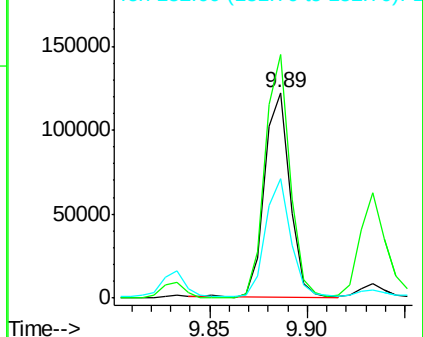


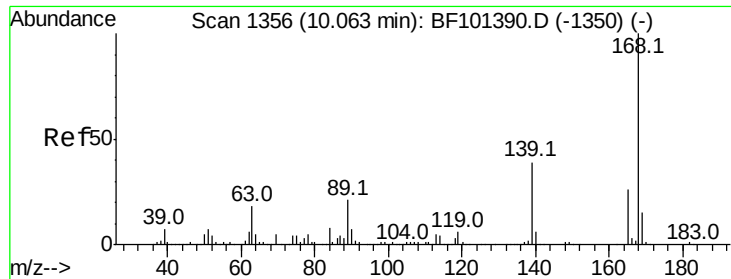
#51
Acenaphthene
Concen: 5.193 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

Tgt Ion:154 Resp: 110194
Ion Ratio Lower Upper
154 100
153 118.4 91.2 136.8
152 58.3 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: 28.752 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampled :

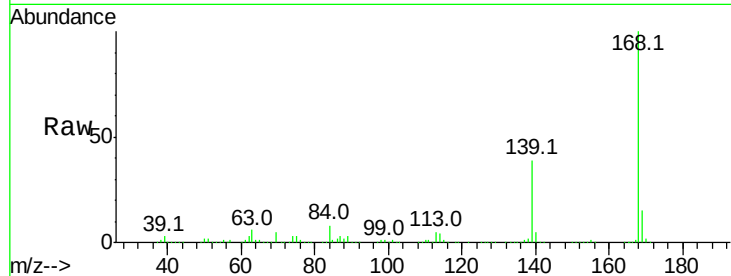
Tot Ion:168 Resp: 775355

Ion Ratio Lower Upper

168 100

139 39.2 30.1 45.1

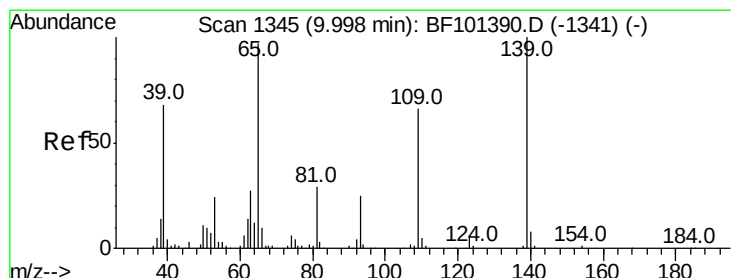
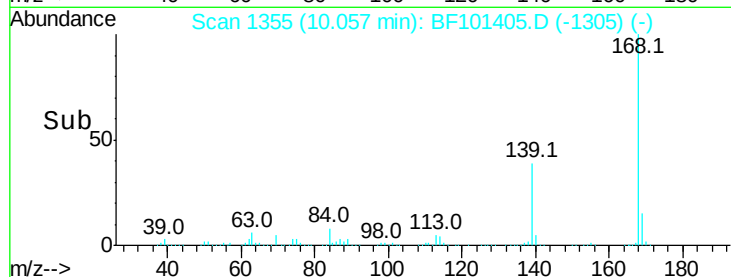
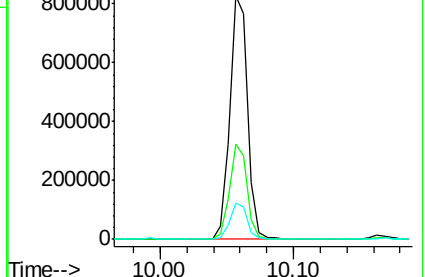
169 15.0 10.9 16.3



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: 101.787 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.06 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

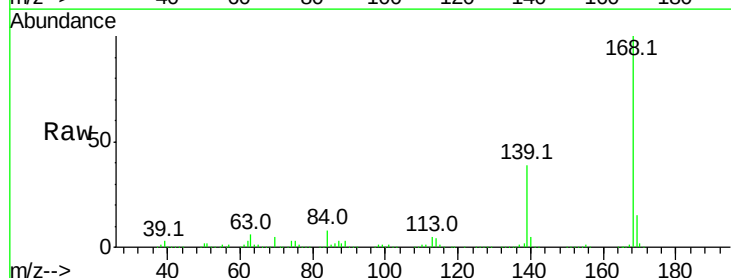
Tgt Ion:139 Resp: 298102

Ion Ratio Lower Upper

139 100

109 0.7 48.4 88.4#

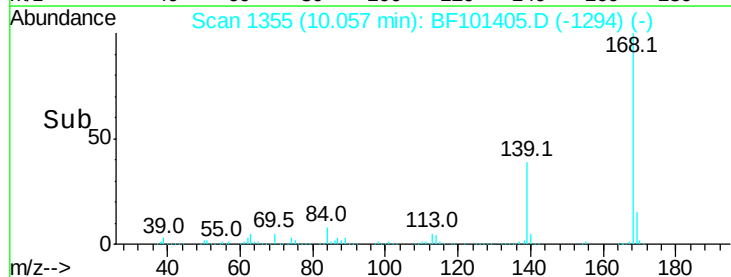
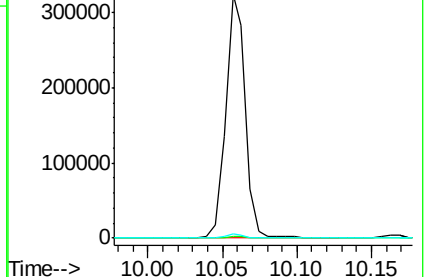
65 1.8 72.6 112.6#

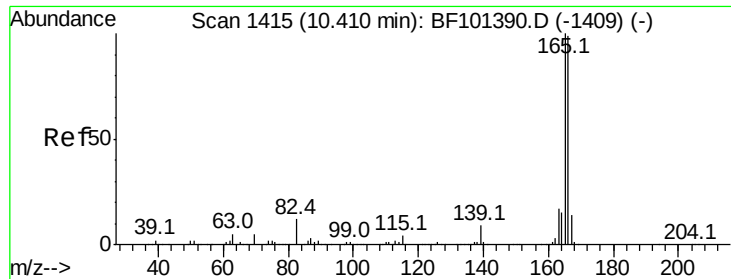


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

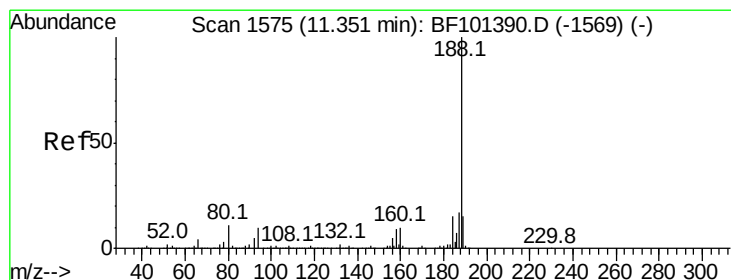
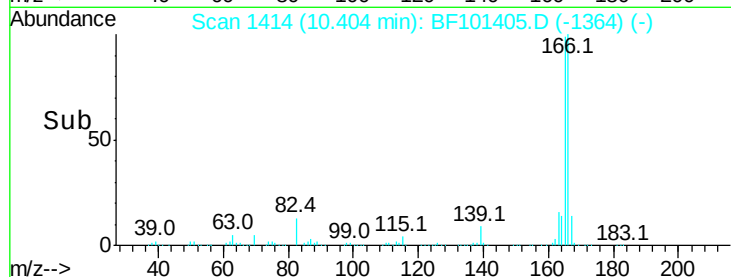
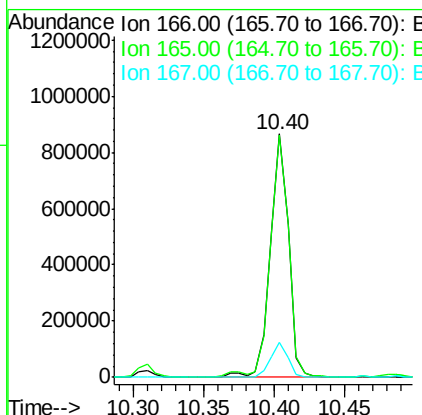
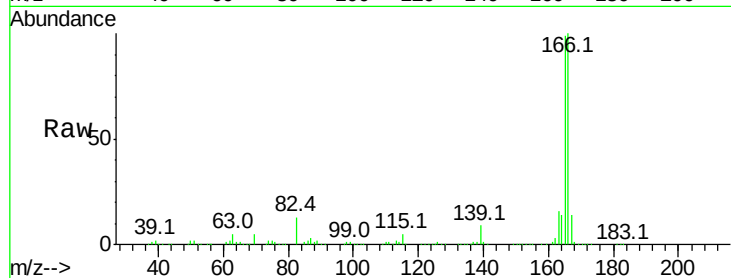




#57
 Fluorene
 Concen: 34.590 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101405.D
 Acq: 14 Dec 2017 20:43

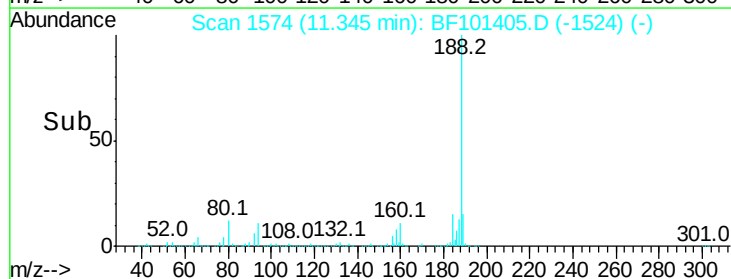
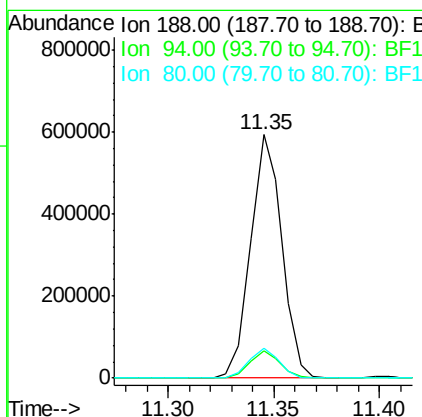
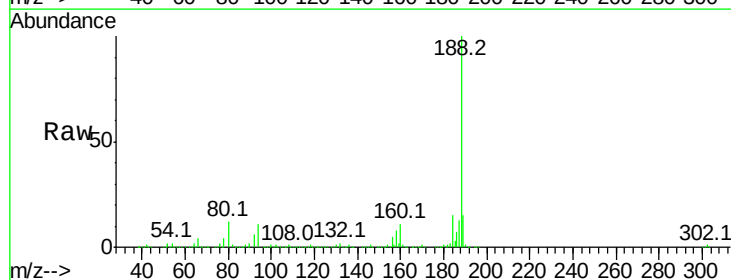
Instrument :
 BNA_F
 ClientSampleId :

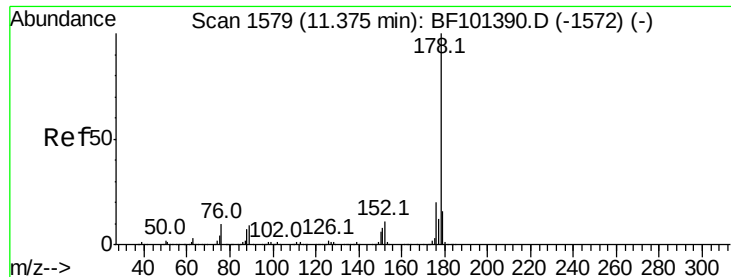
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	14.2	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101405.D
 Acq: 14 Dec 2017 20:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	12.2	9.2	13.8





#70

Phenanthrene

Concen: 68.283 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampled :

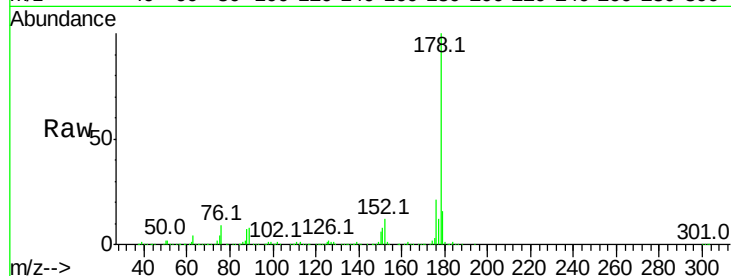
Tot Ion:178 Resp: 2321019

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

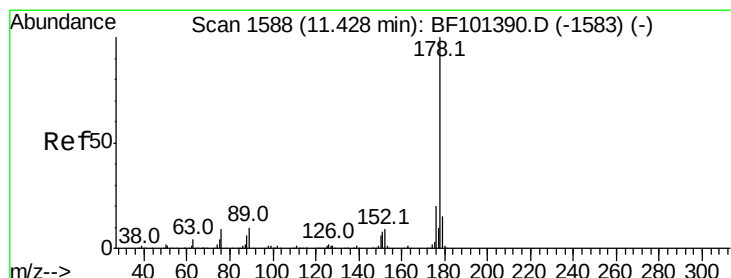
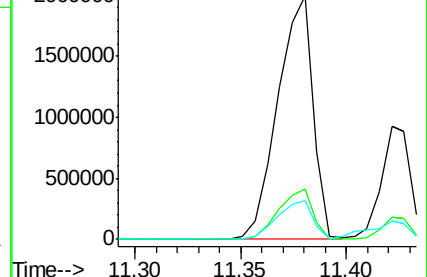
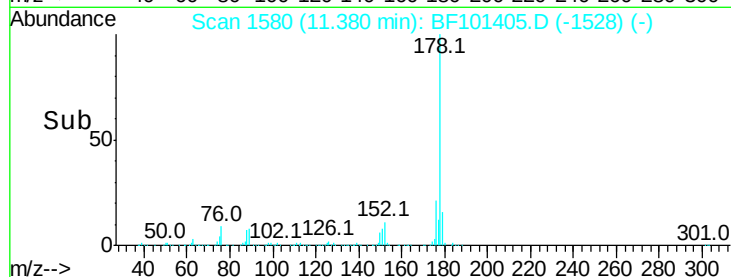
179 16.0 13.0 19.6



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: 25.423 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

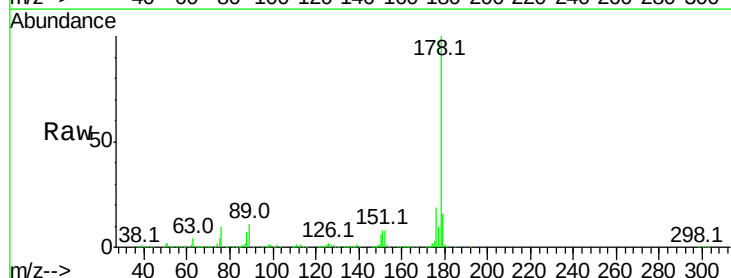
Tgt Ion:178 Resp: 882698

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

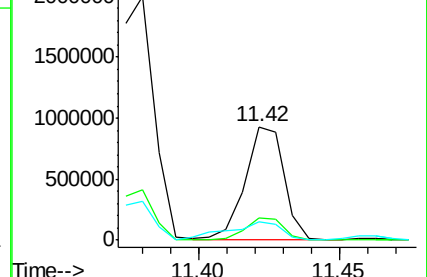
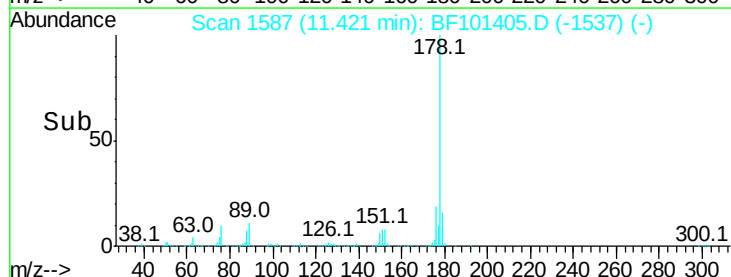
179 15.8 12.6 19.0

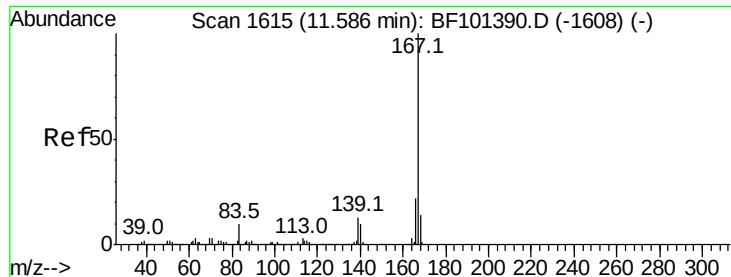


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 13.683 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampleId :

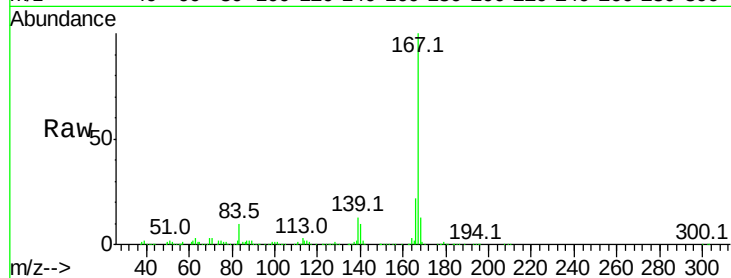
Tot Ion:167 Resp: 444797

Ion Ratio Lower Upper

167 100

166 21.9 17.6 26.4

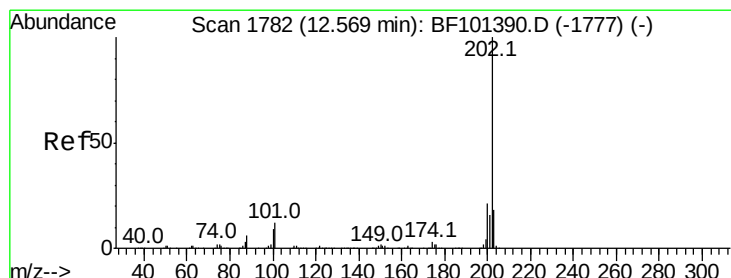
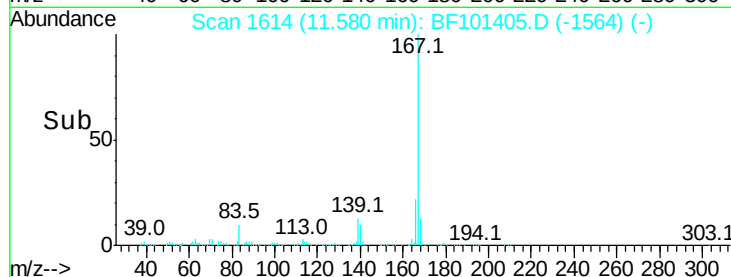
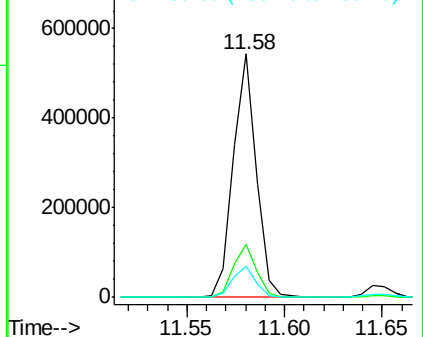
139 12.8 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 49.895 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

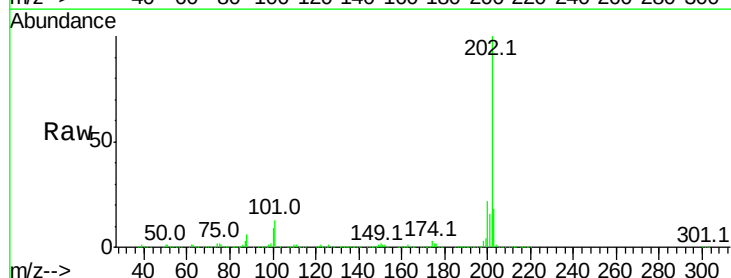
Tgt Ion:202 Resp: 1780163

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

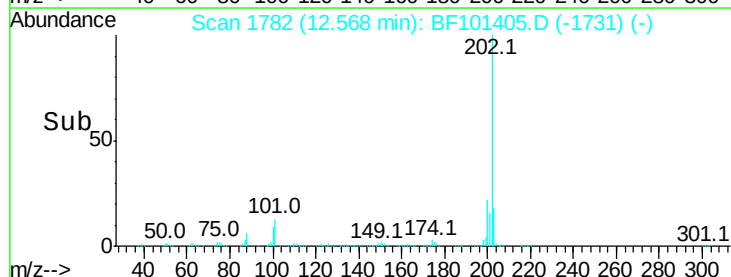
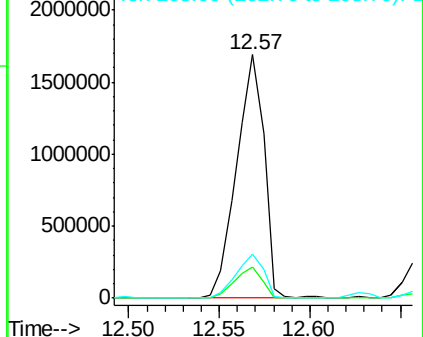
203 18.1 0.0 38.1

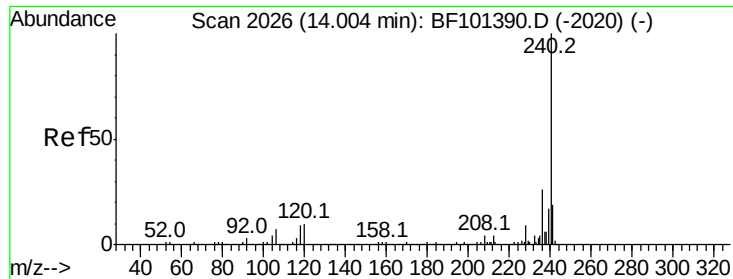


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampleId :

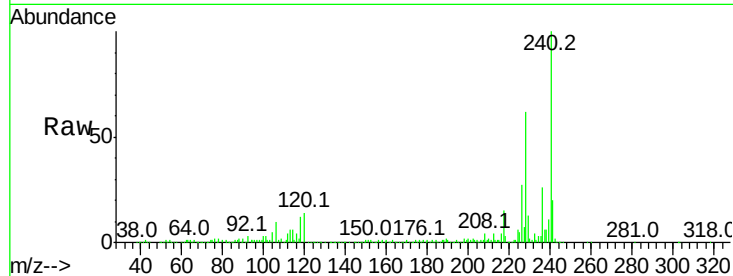
Tot Ion:240 Resp: 383395

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

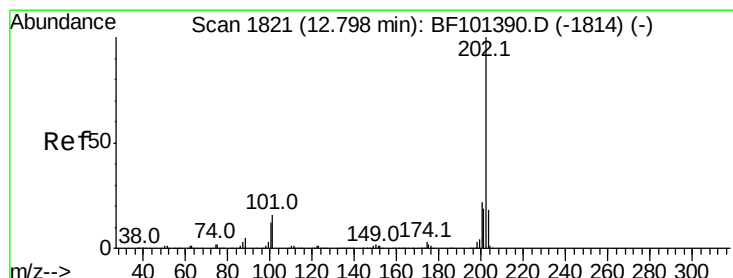
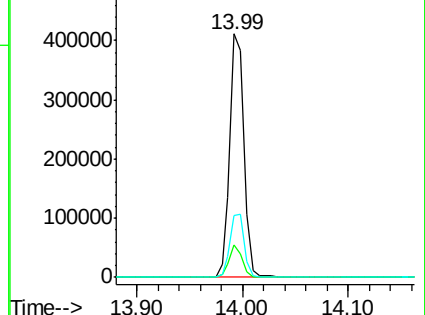
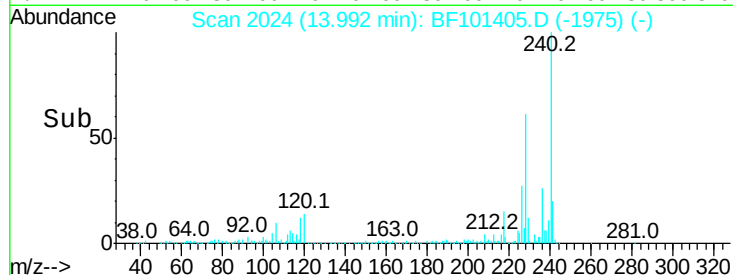
236 25.7 20.7 31.1



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

Pyrene

Concen: 49.198 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

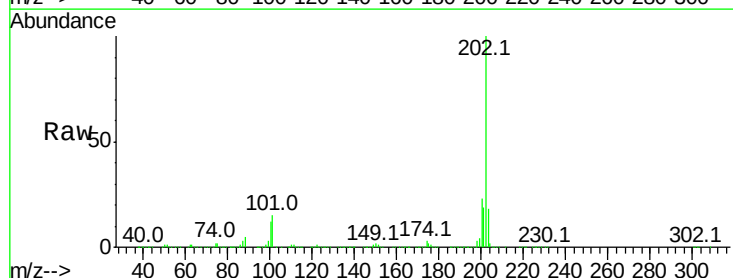
Tgt Ion:202 Resp: 1415617

Ion Ratio Lower Upper

202 100

200 22.6 17.4 26.2

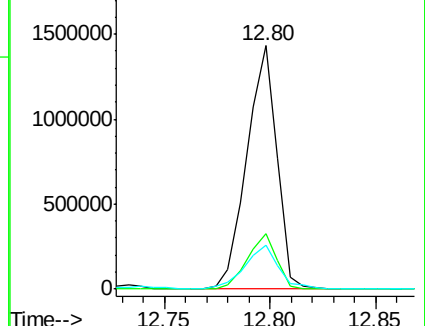
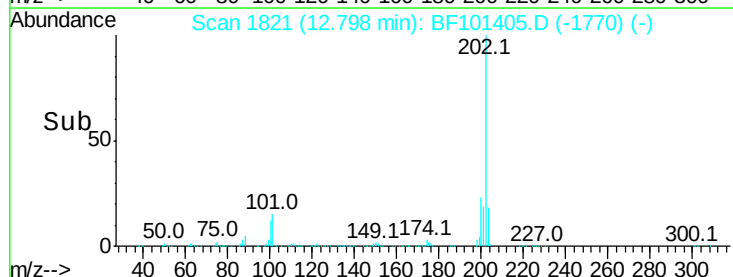
203 18.2 14.3 21.5

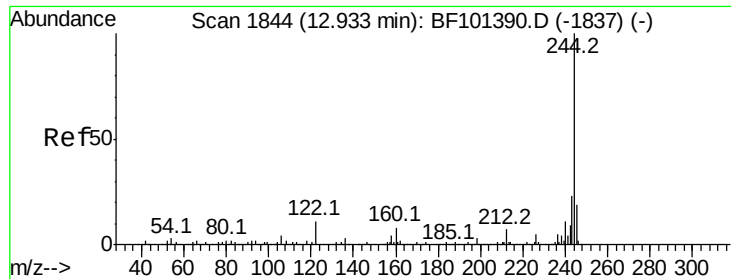


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.214 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Instrument :

BNA_F

ClientSampleId :

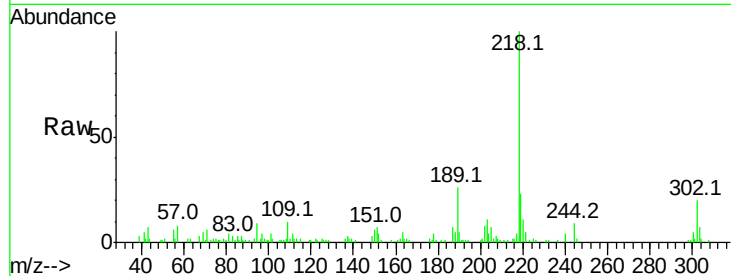
Tot Ion:244 Resp: 3401

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.0#

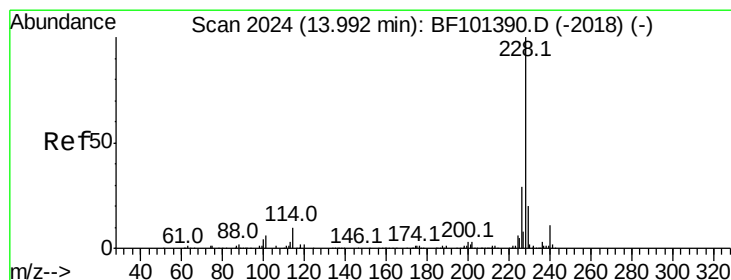
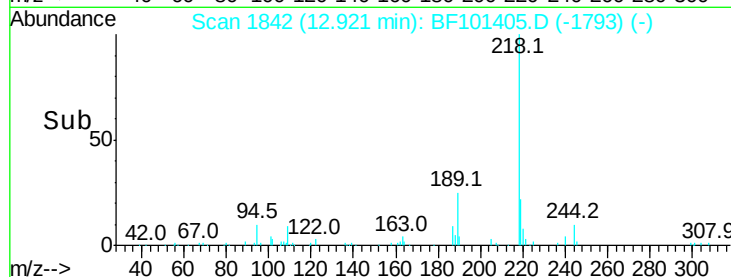
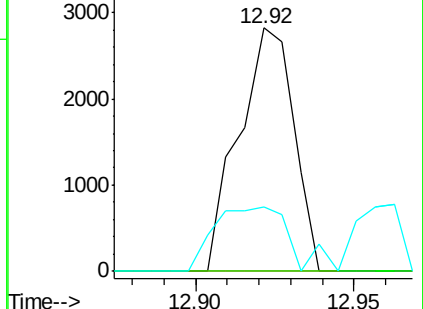
122 26.3 11.0 16.4#



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: 24.038 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

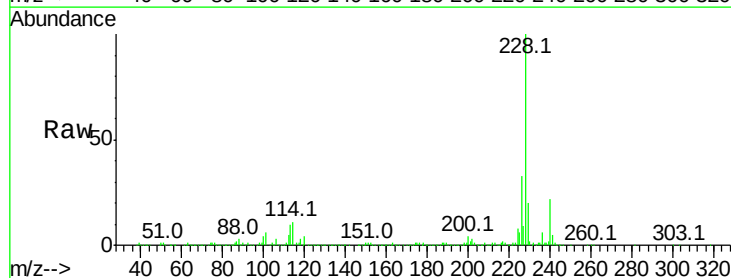
Tgt Ion:228 Resp: 608550

Ion Ratio Lower Upper

228 100

226 32.5 22.6 33.8

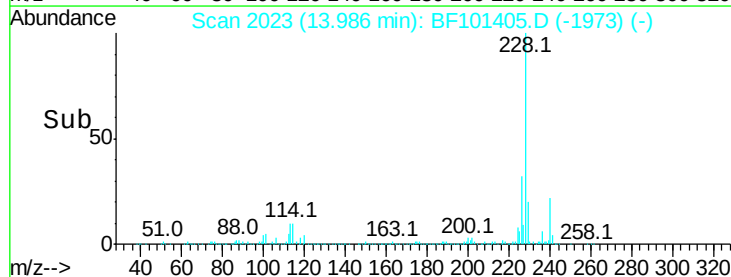
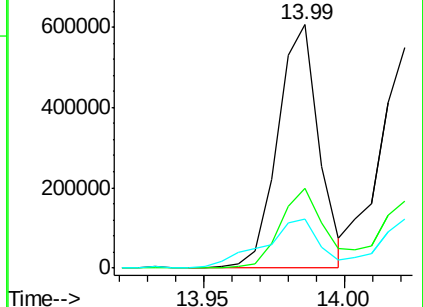
229 20.3 15.8 23.6

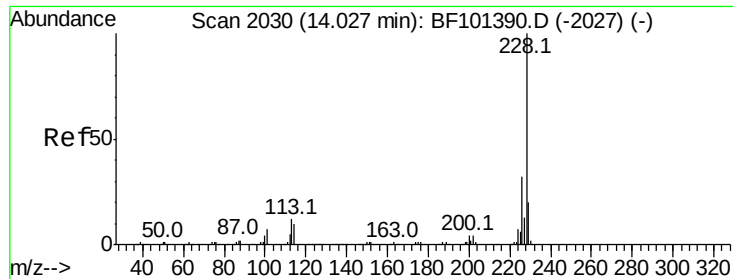


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 22.067 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

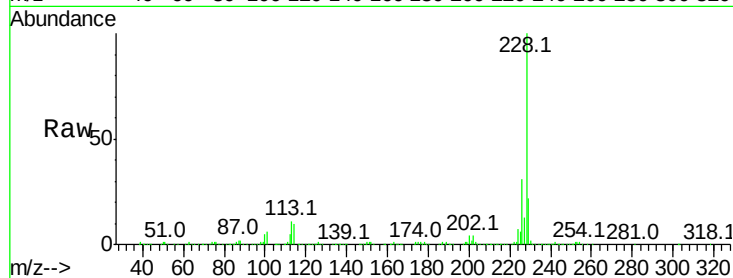
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 527481

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.4	16.2	24.4

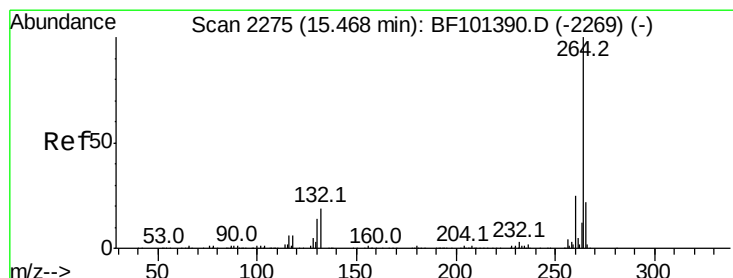
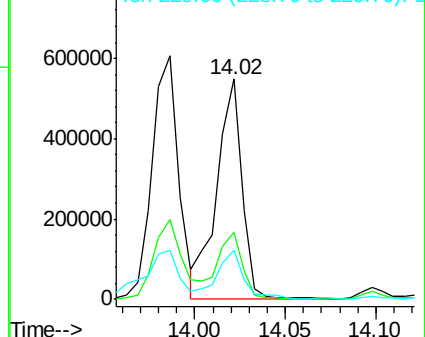
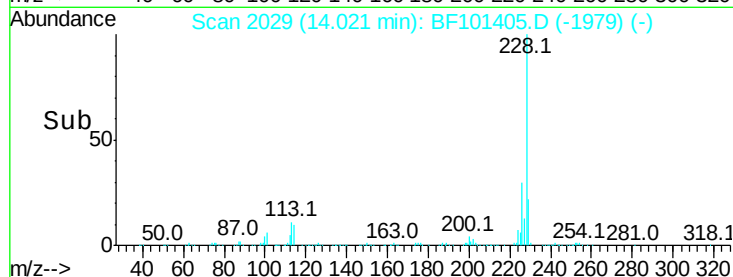


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

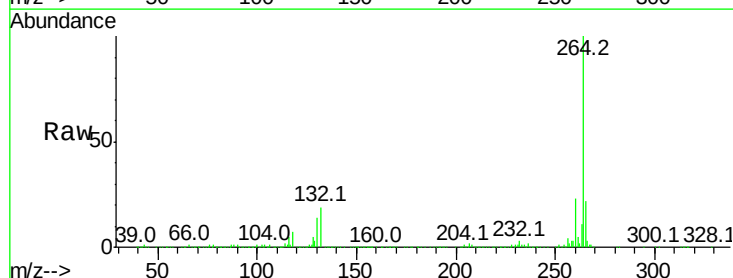
Delta R.T. -0.01 min

Lab File: BF101405.D

Acq: 14 Dec 2017 20:43

Tgt Ion:264 Resp: 336726

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.0	17.5	26.3

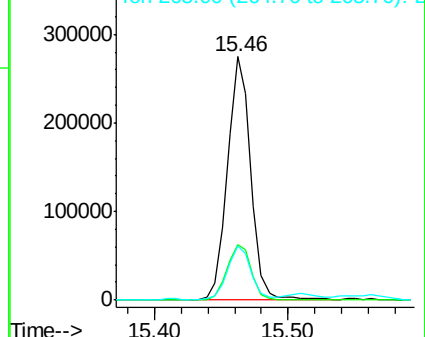
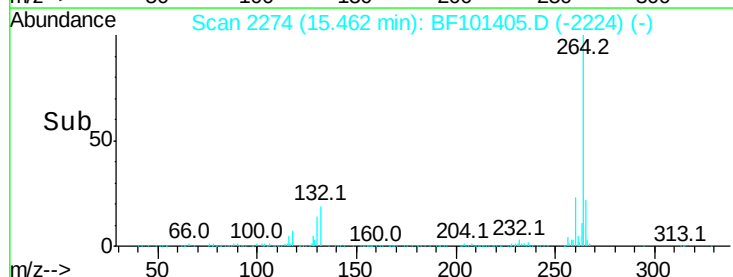


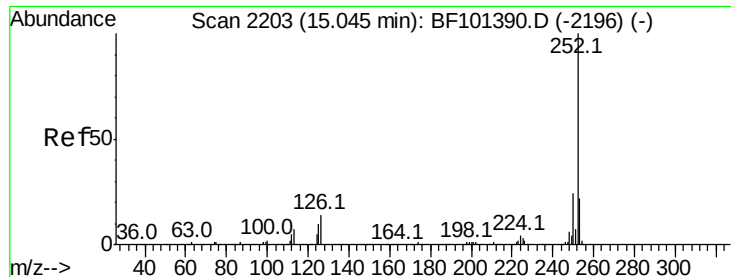
Abundance

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

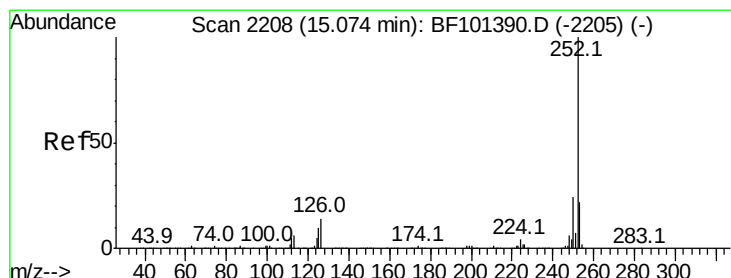
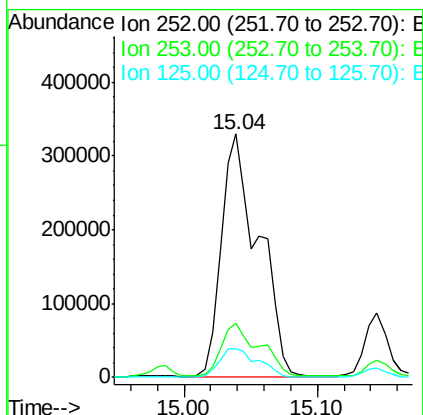
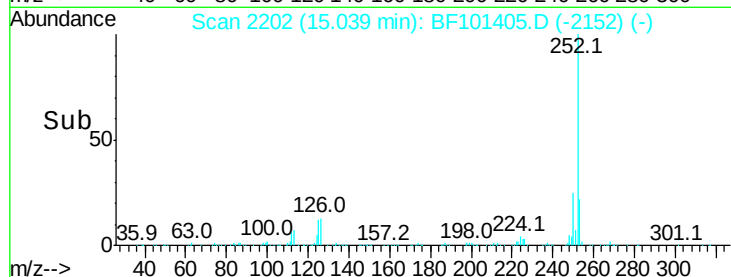
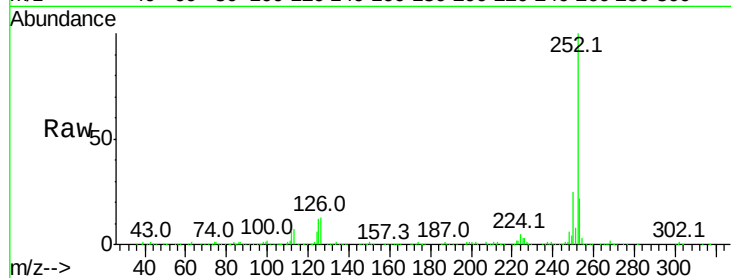




#87
Benzo(b)fluoranthene
Concen: 31.101 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

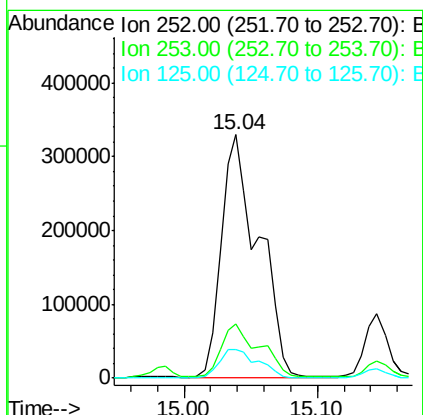
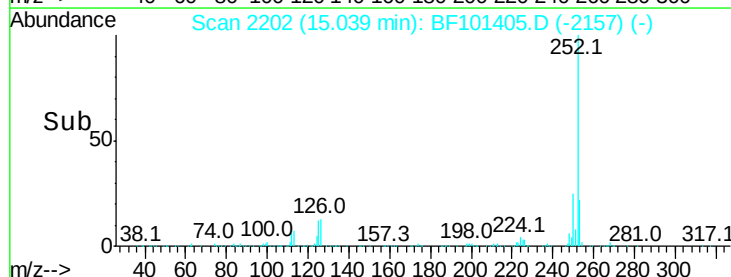
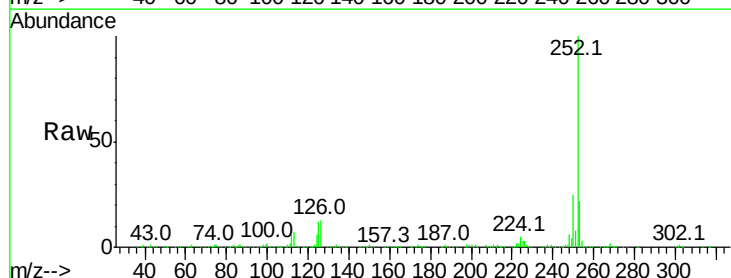
Instrument :
BNA_F
ClientSampleId :

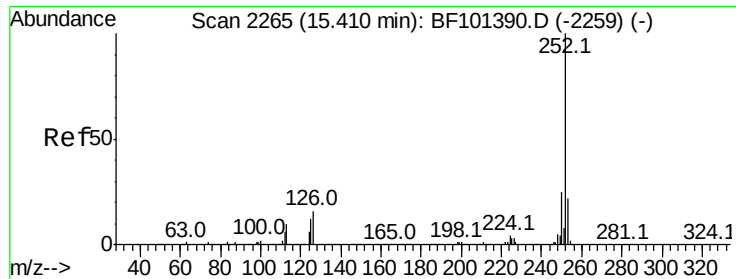
Tot Ion:252 Resp: 638322
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 12.0 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 31.988 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

Tgt Ion:252 Resp: 638322
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 12.0 10.2 15.2

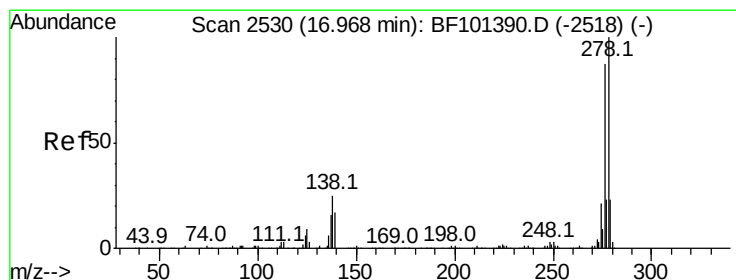
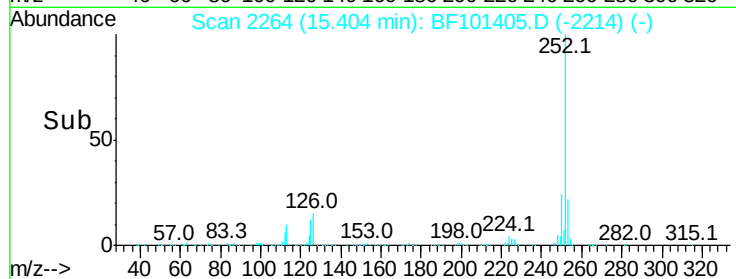
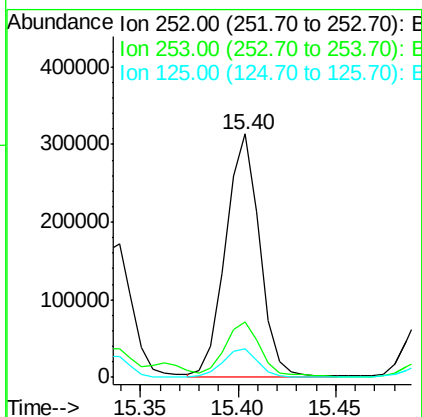
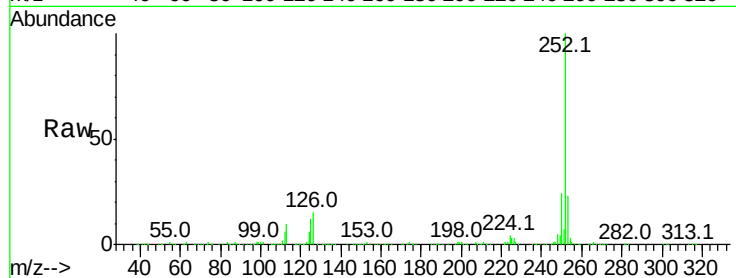




#89
Benzo(a)pyrene
Concen: 19.889 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

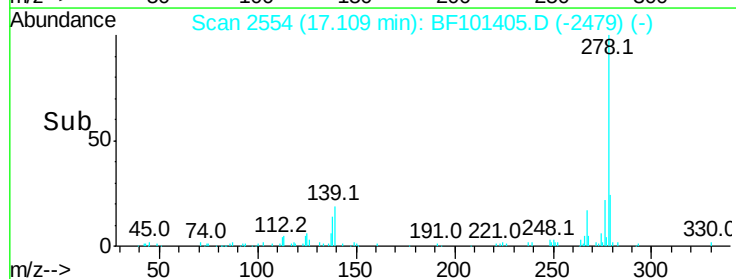
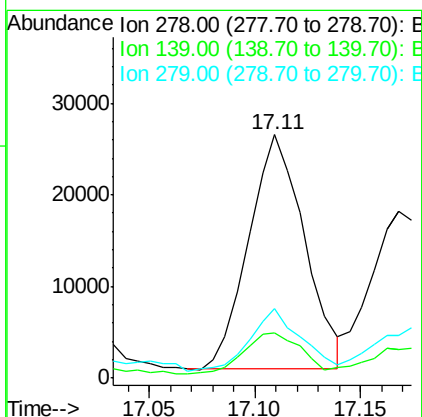
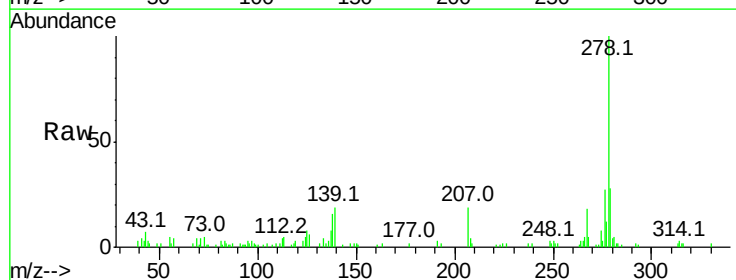
Instrument :
BNA_F
ClientSampleId :

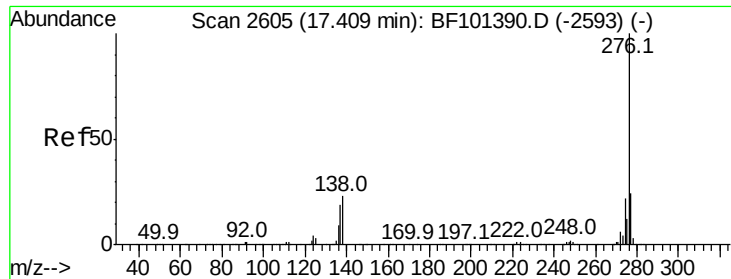
Tot Ion:	252	Resp:	376310
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	11.9	9.8	14.6



#90
Dibenzo(a,h)anthracene
Concen: 2.889 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.14 min
Lab File: BF101405.D
Acq: 14 Dec 2017 20:43

Tgt Ion:	278	Resp:	46926
Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.9	23.9
279	28.4	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 11.419 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BF101405.D
 Acq: 14 Dec 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	23.4	21.8	32.8

