

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103401.D
 Acq On : 5 Mar 2018 11:31
 Operator : SJ/JU
 Sample : J1724-05RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 05 13:41:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	152624	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	635400	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	279105	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	460506	20.00	ng	0.00
75) Chrysene-d12	14.06	240	278743	20.00	ng	0.00
86) Perylene-d12	15.58	264	281359	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	1082800	107.30	ng	0.00
7) Phenol-d6	6.52	99	1257348	101.82	ng	0.00
23) Nitrobenzene-d5	7.44	82	790375	71.04	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	207815	87.97	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1078469	62.39	ng	0.00
78) Terphenyl-d14	12.99	244	834098	71.93	ng	0.00

Target Compounds

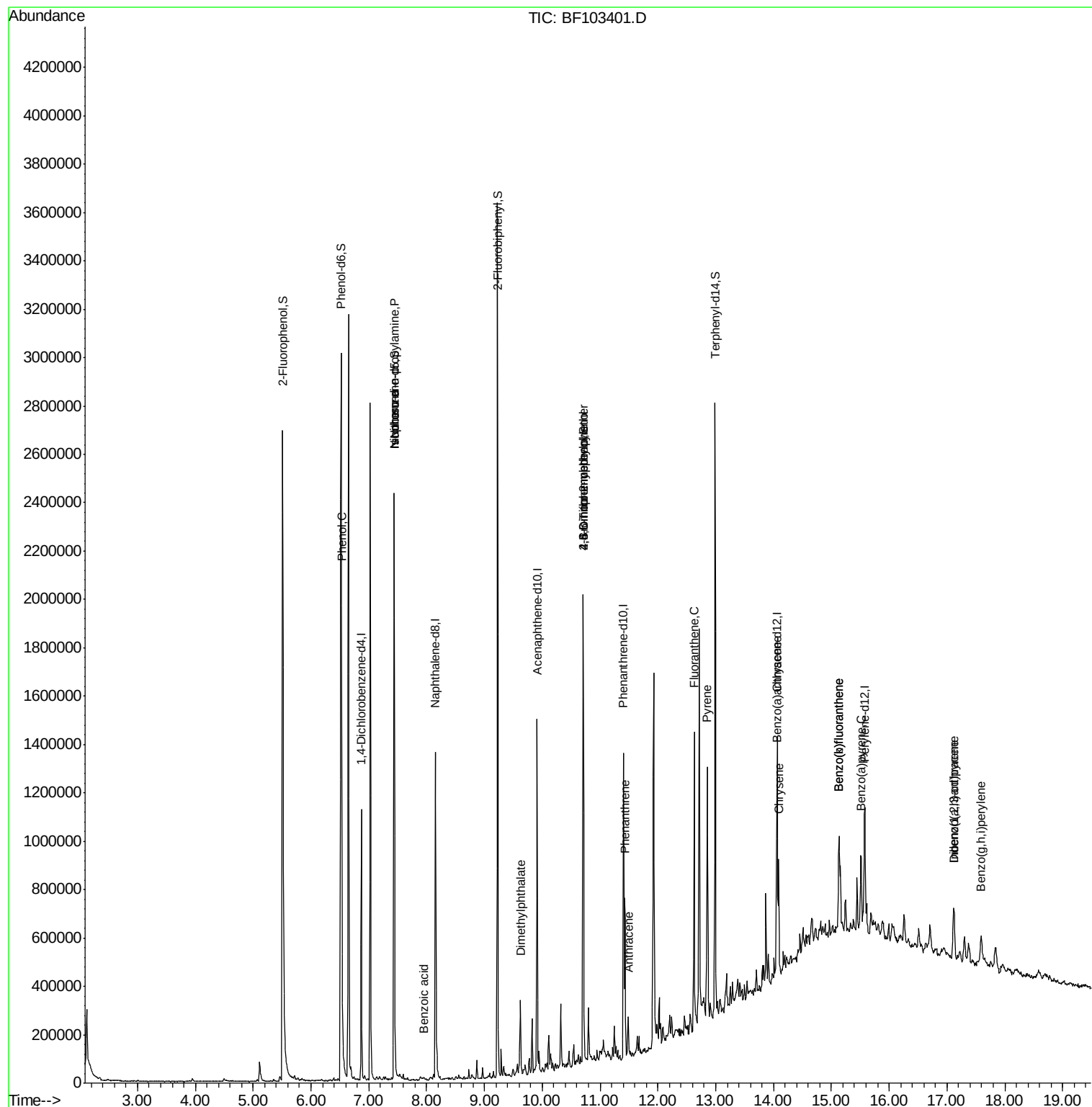
						Qvalue
9) Benzaldehyde	6.45	77	2065	Below Cal	#	71
10) Phenol	6.53	94	107288	7.484	ng	87
19) n-Nitroso-di-n-propylamine	7.44	70	110195	14.339	ng	83
25) Isophorone	7.44	82	790375	36.069	ng	64
32) Benzoic acid	7.95	122	873	7.028	ng	75
49) Dimethylphthalate	9.62	163	102220	4.565	ng	99
64) 4,6-Dinitro-2-methylphenol	10.71	198	538	5.118	ng	1
66) 4-Bromophenyl-phenylether	10.71	248	14803	3.086	ng	1
70) Phenanthrene	11.43	178	227152	8.963	ng	99
71) Anthracene	11.49	178	65952	2.538	ng	99
74) Fluoranthene	12.63	202	436497	17.140	ng	99
77) Pyrene	12.86	202	409978	18.865	ng	99
80) Benzo(a)anthracene	14.05	228	188517	10.423	ng	98
82) Chrysene	14.09	228	173384	9.873	ng	97
85) Indeno(1,2,3-cd)pyrene	17.12	276	102362	7.363	ng	97
87) Benzo(b)fluoranthene	15.13	252	314618	17.007	ng	# 94
88) Benzo(k)fluoranthene	15.13	252	314618	18.061	ng	97
89) Benzo(a)pyrene	15.52	252	170518	10.322	ng	# 94
90) Dibenzo(a,h)anthracene	17.12	278	28919	2.265	ng	# 81
91) Benzo(a,h,i)perylene	17.59	276	105465	8.454	ng	95

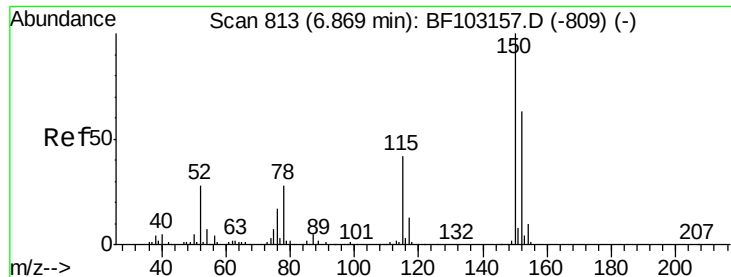
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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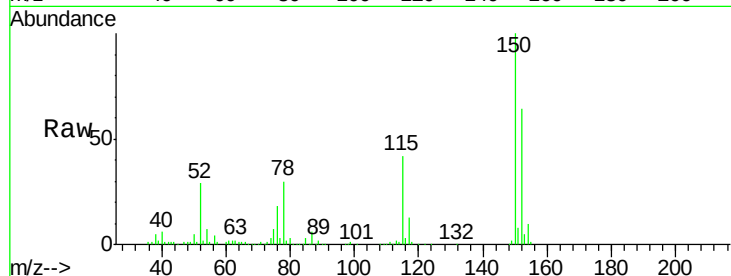


#1

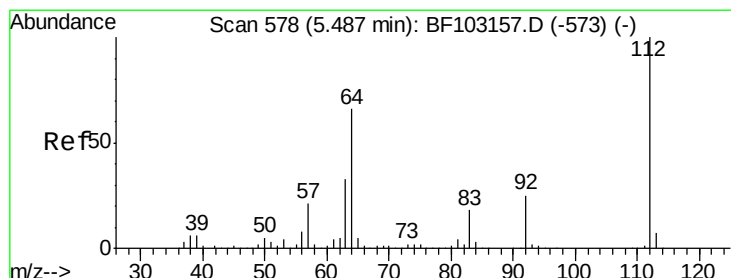
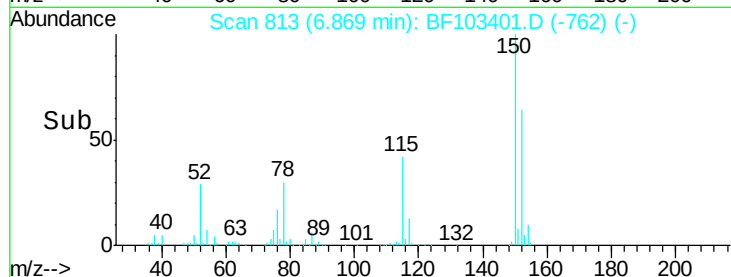
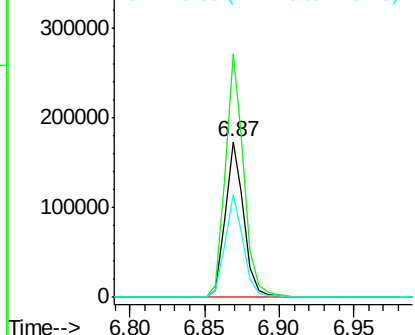
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	152624
Ion Ratio	Lower	Upper	
152	100		
150	156.8	124.6	186.8
115	66.1	50.1	75.1



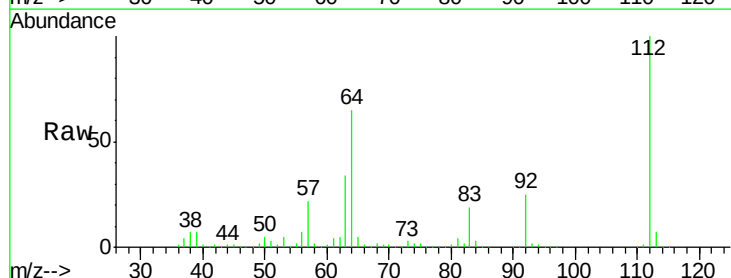
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



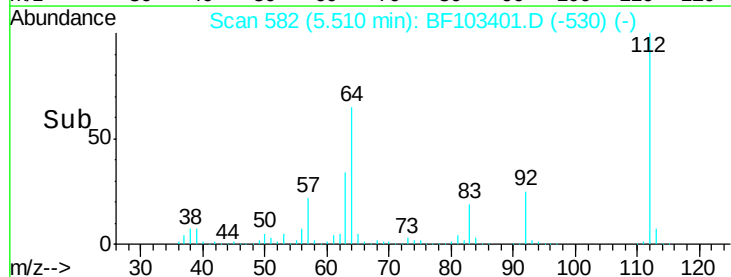
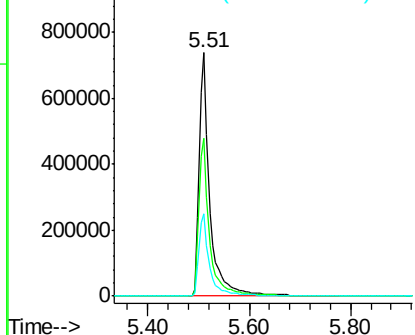
#5

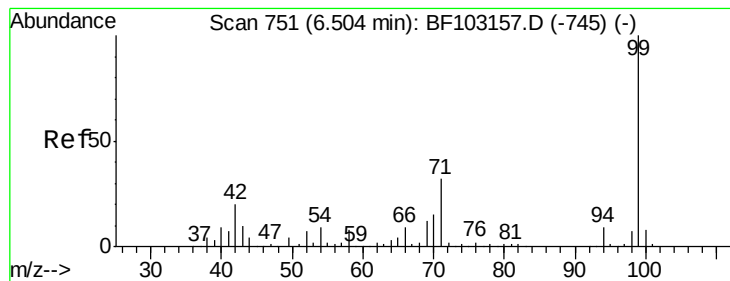
2-Fluorophenol
Concen: 107.300 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

Tgt Ion	112	Resp	1082800
Ion Ratio	Lower	Upper	
112	100		
64	64.7	47.9	71.9
63	33.9	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: 101.824 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

Instrument :

BNA_F

ClientSampled :

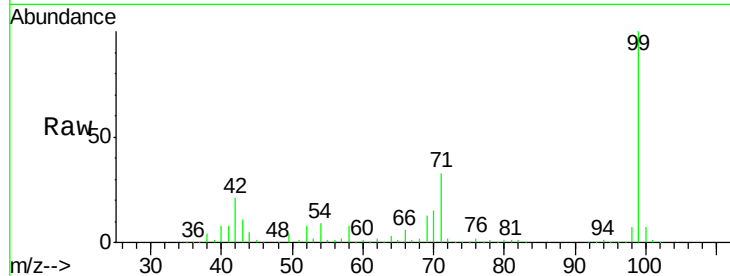
Tot Ion: 99 Resp: 1257348

Ion Ratio Lower Upper

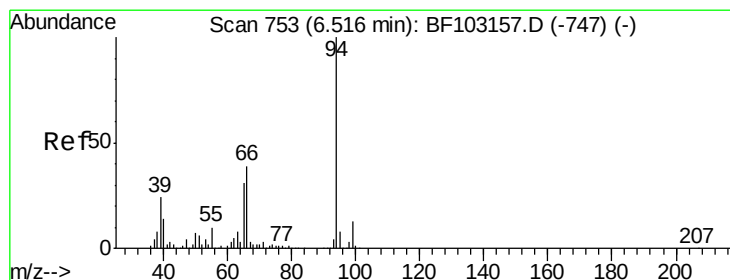
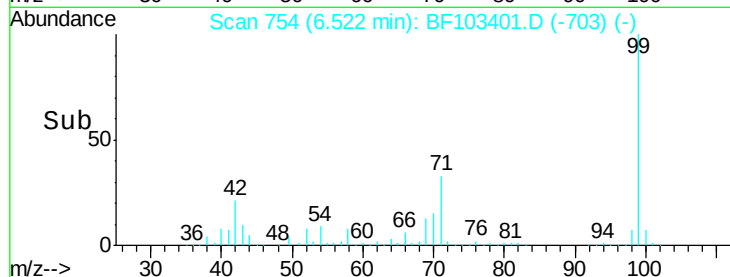
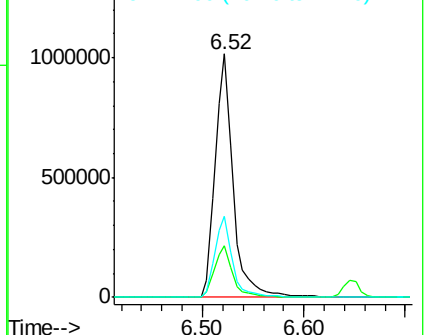
99 100

42 21.0 14.5 21.7

71 33.4 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: 7.484 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

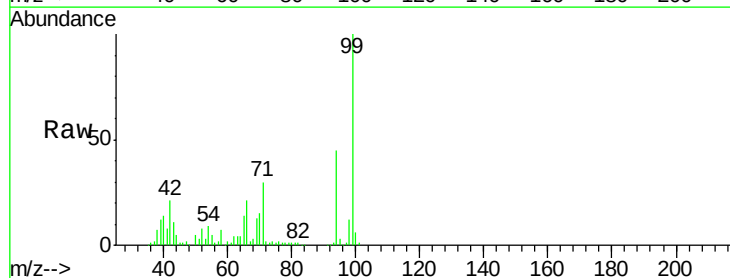
Tgt Ion: 94 Resp: 107288

Ion Ratio Lower Upper

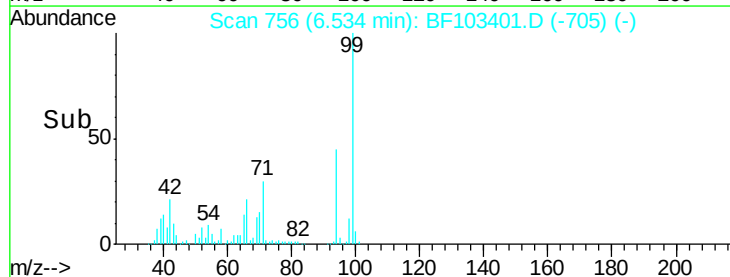
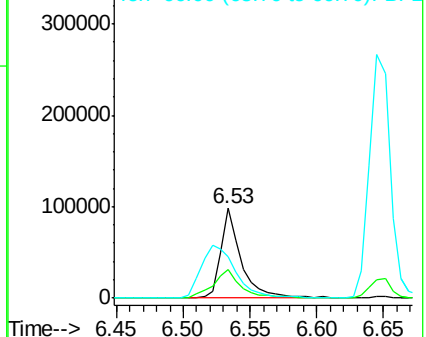
94 100

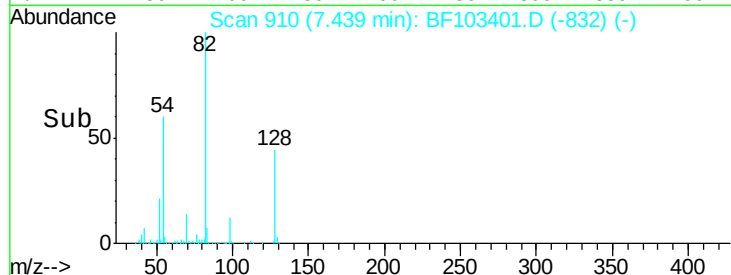
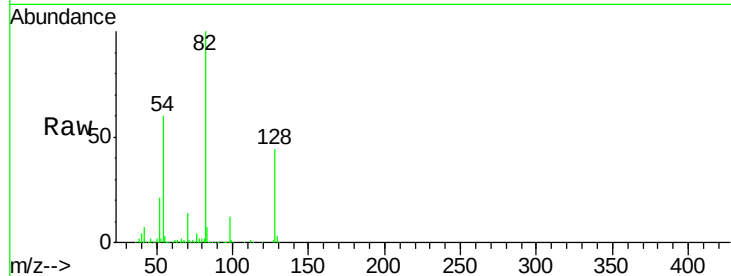
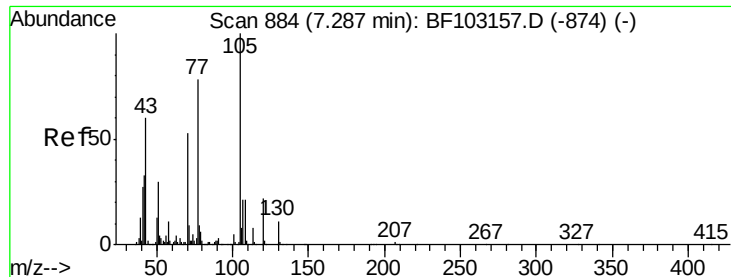
65 31.5 7.9 47.9

66 46.5 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

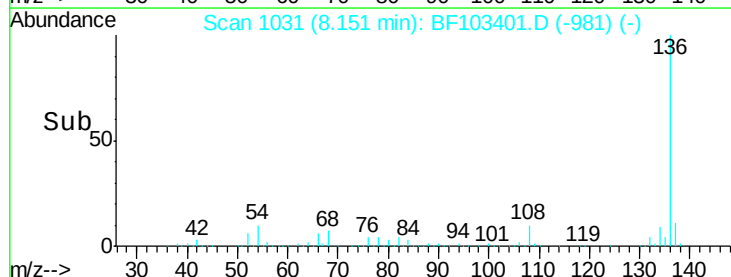
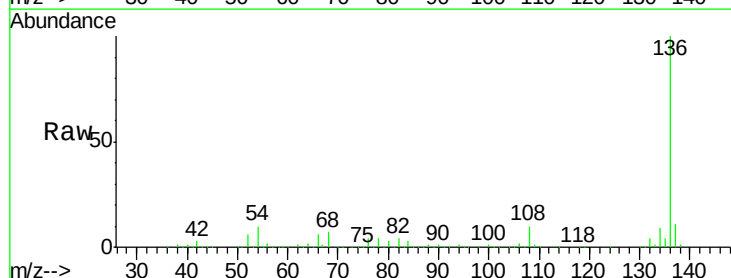
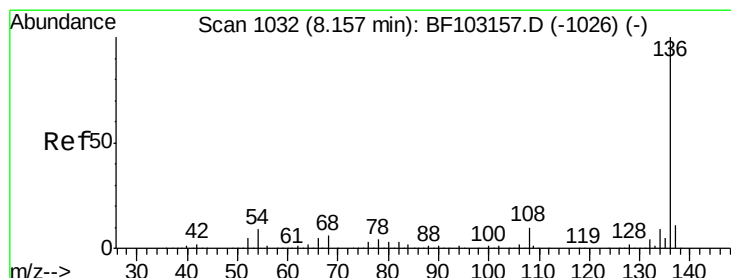
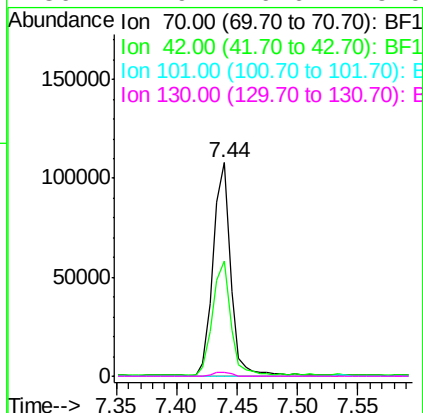




#19
n-Nitroso-di-n-propylamine
Concen: 14.339 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.16 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

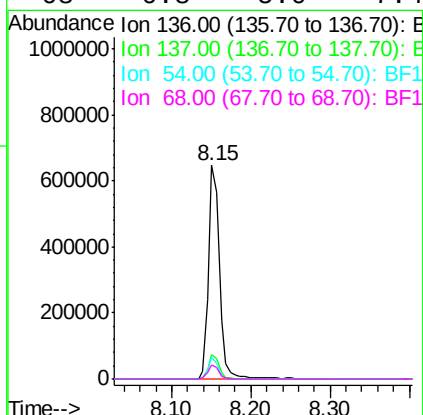
Instrument :
BNA_F
ClientSampleId :

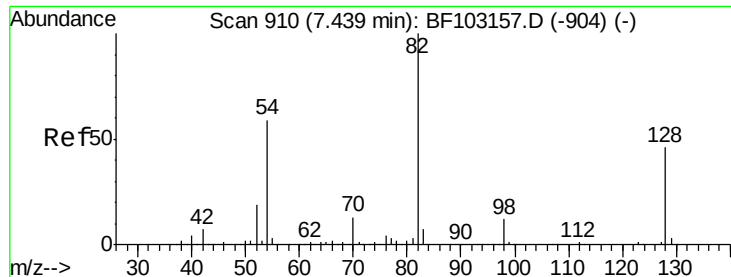
Tot Ion: 70 Resp: 110195
Ion Ratio Lower Upper
70 100
42 54.1 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

Tgt Ion: 136 Resp: 635400
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 10.0 6.6 9.8#
68 6.8 5.0 7.4

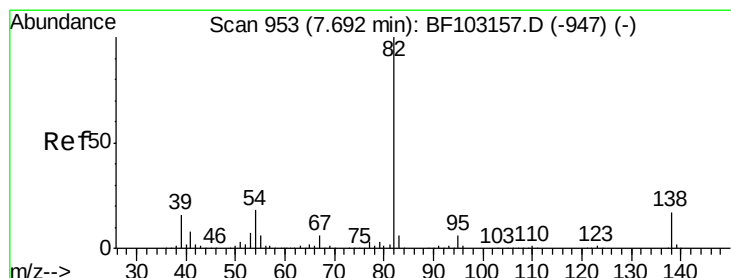
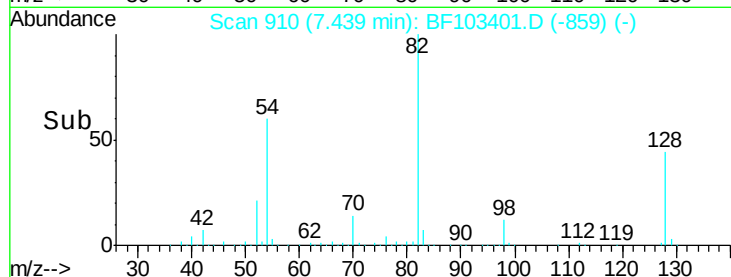
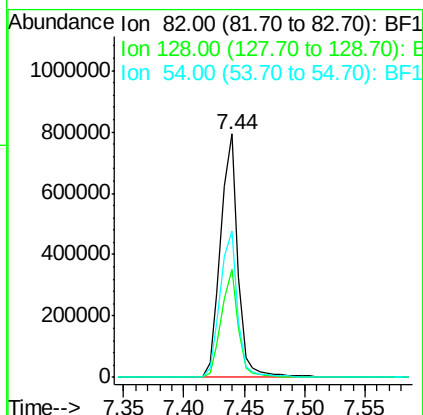
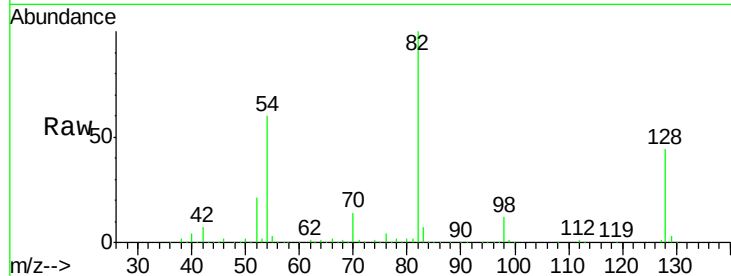




#23
 Nitrobenzene-d5
 Concen: 71.037 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF103401.D
 Acq: 5 Mar 2018 11:31

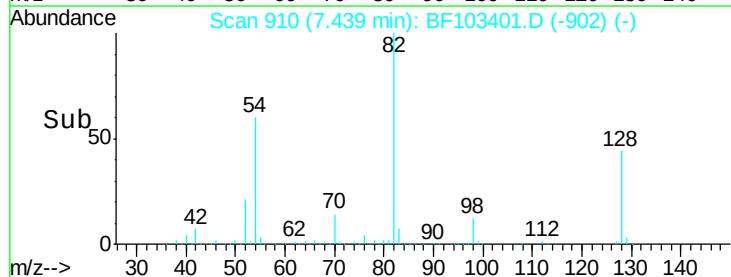
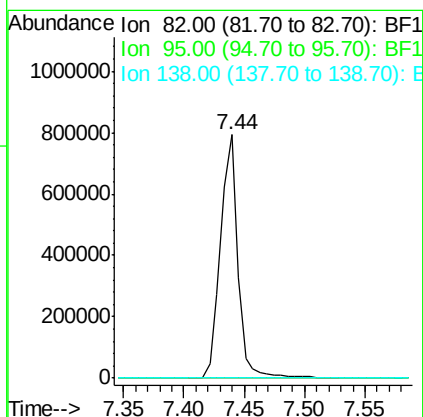
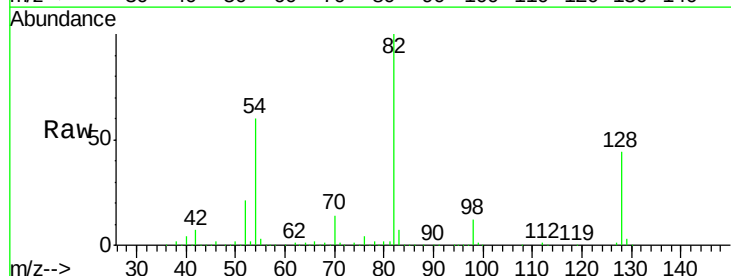
Instrument :
 BNA_F
 ClientSampled :

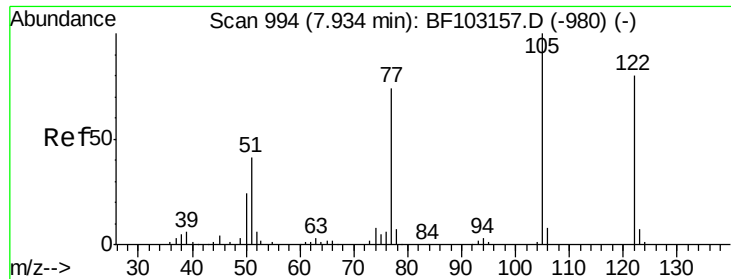
Tot Ion: 82 Resp: 790375
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.1 54.1
 54 60.2 41.4 62.2



#25
 Isophorone
 Concen: 36.069 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.25 min
 Lab File: BF103401.D
 Acq: 5 Mar 2018 11:31

Tgt Ion: 82 Resp: 790375
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.2 7.8#
 138 0.0 14.9 22.3#

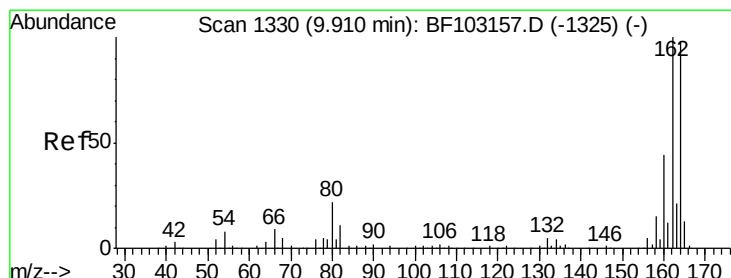
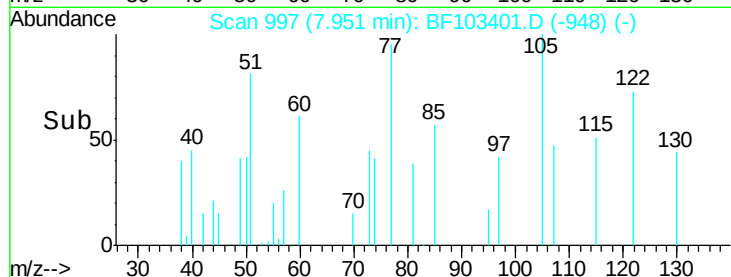
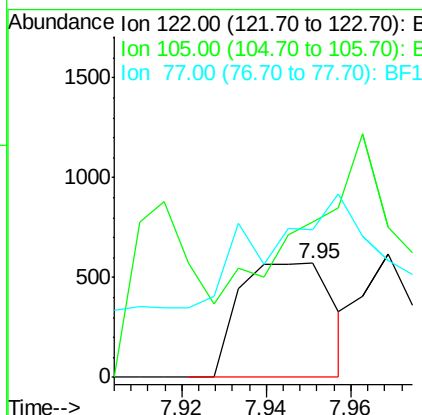
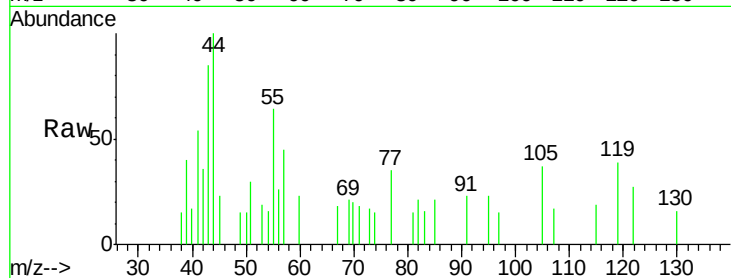




#32
Benzoic acid
Concen: 7.028 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

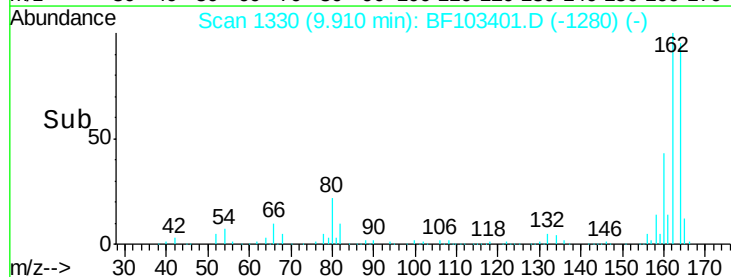
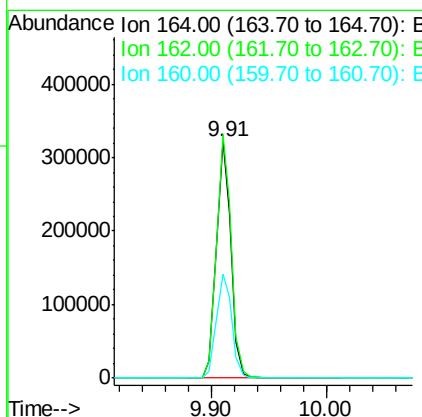
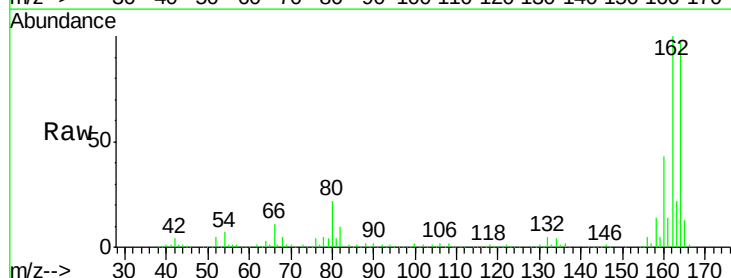
Instrument :
BNA_F
ClientSampleId :

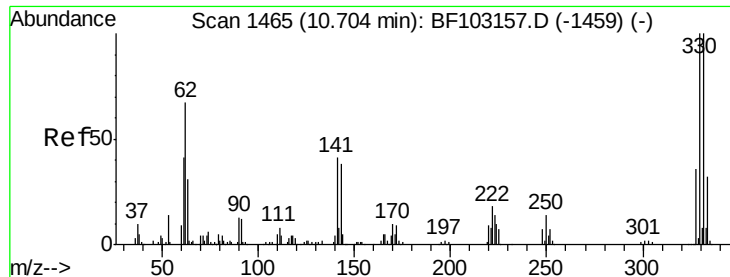
Tot Ion:122 Resp: 873
Ion Ratio Lower Upper
122 100
105 136.5 101.1 141.1
77 129.2 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

Tgt Ion:164 Resp: 279105
Ion Ratio Lower Upper
164 100
162 102.8 86.1 129.1
160 44.1 38.3 57.5

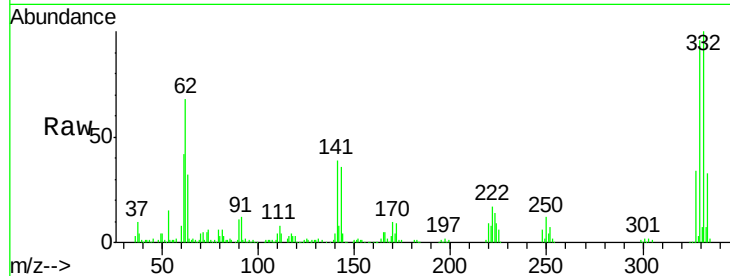




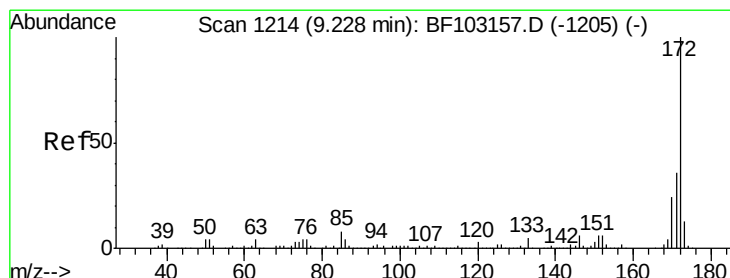
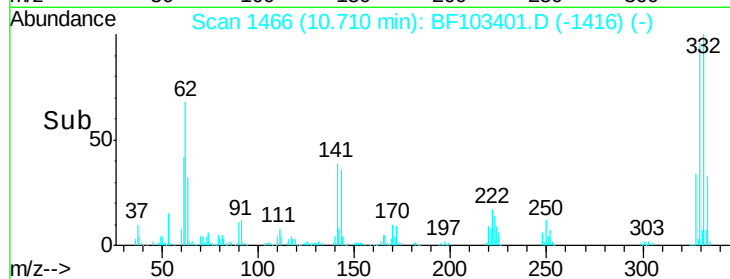
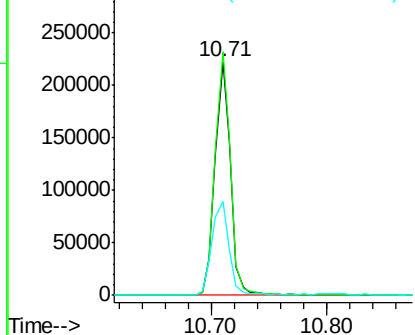
#41
 2,4,6-Tribromophenol
 Concen: 87.965 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103401.D
 Acq: 5 Mar 2018 11:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 207815
 Ion Ratio Lower Upper
 330 100
 332 103.2 77.0 115.6
 141 43.6 29.9 44.9

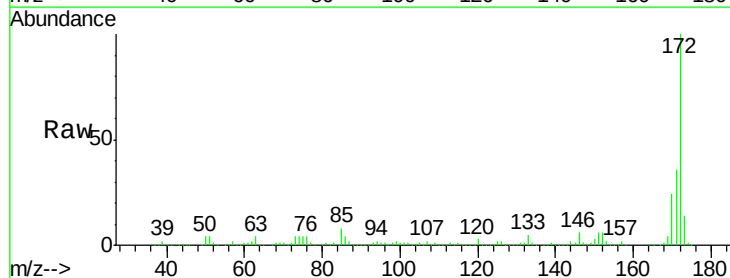


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

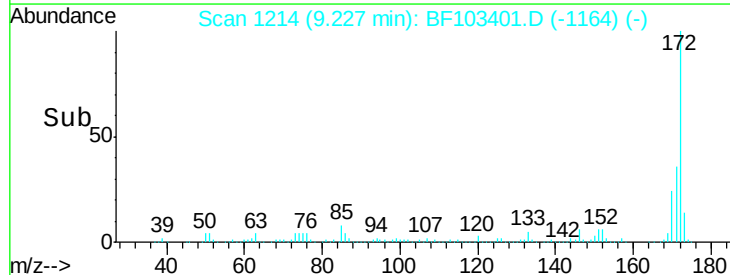
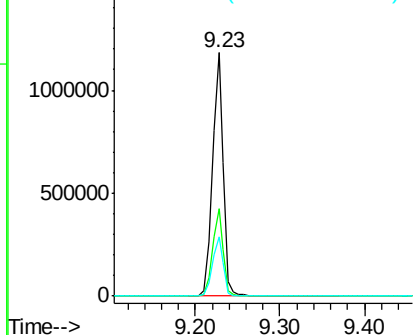


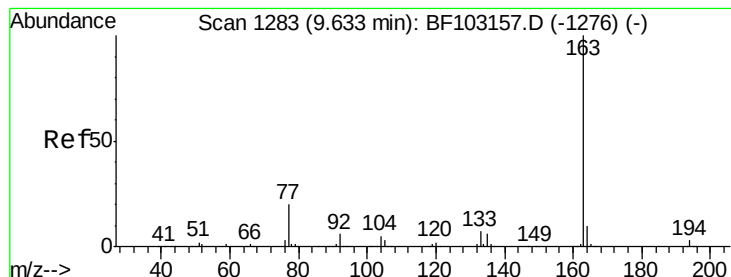
#44
 2-Fluorobiphenyl
 Concen: 62.395 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103401.D
 Acq: 5 Mar 2018 11:31

Tgt Ion:172 Resp: 1078469
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.4 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





#49

Dimethylphthalate

Concen: 4.565 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

Instrument :

BNA_F

ClientSampleId :

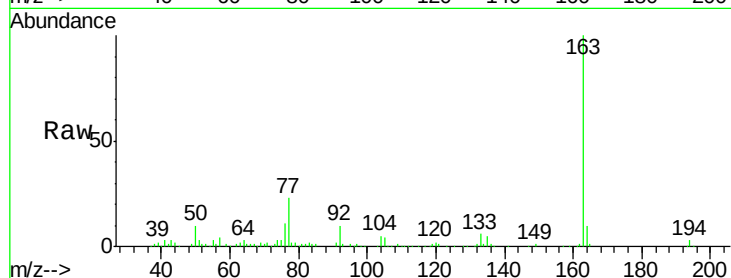
Tot Ion:163 Resp: 102220

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

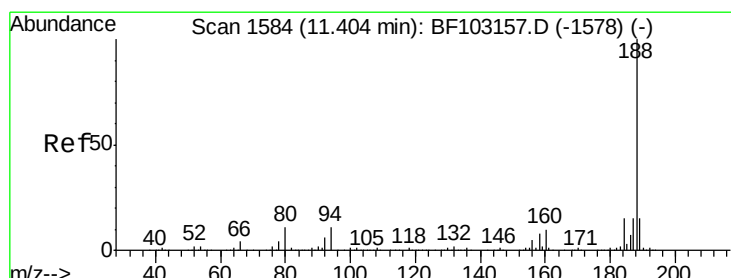
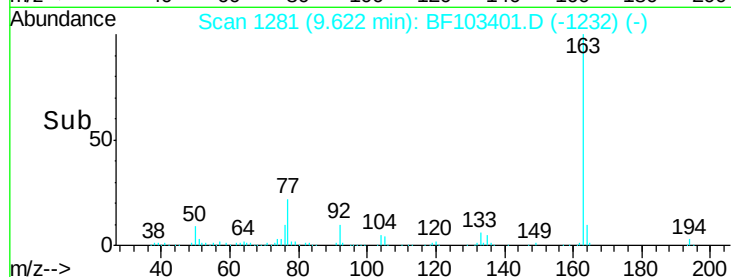
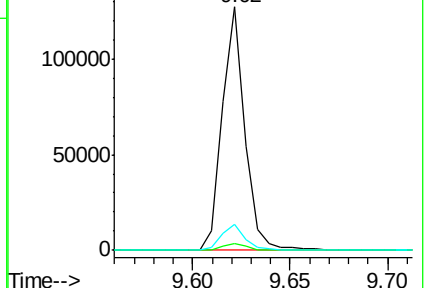
164 10.5 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

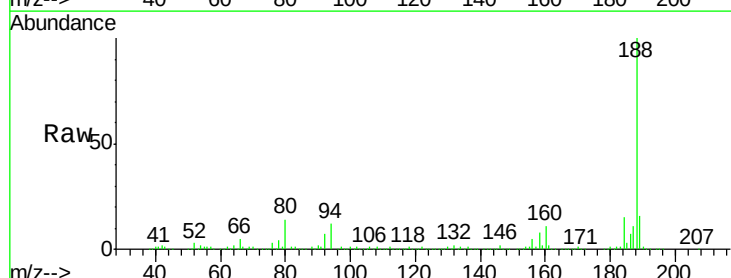
Tgt Ion:188 Resp: 460506

Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

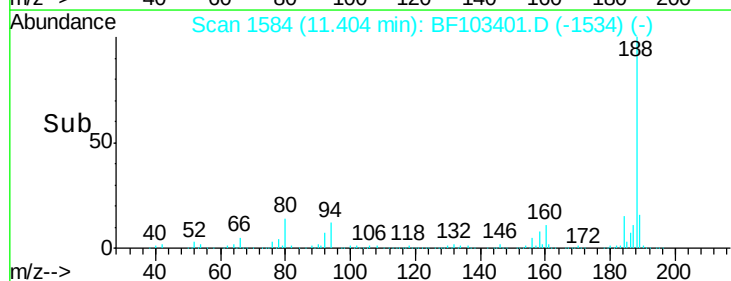
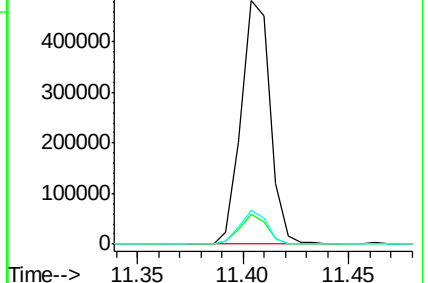
80 13.9 9.2 13.8#

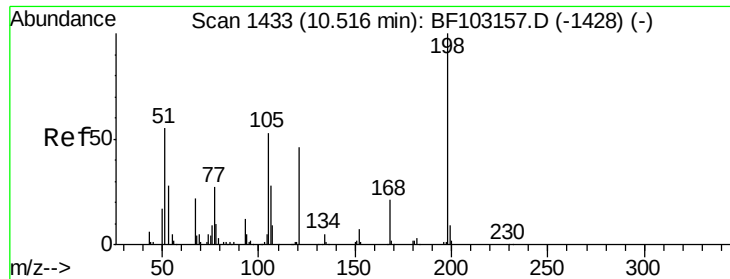


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

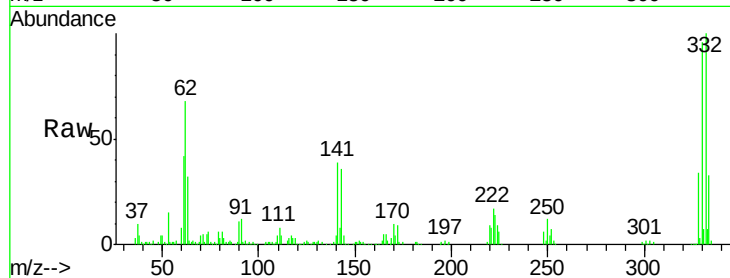




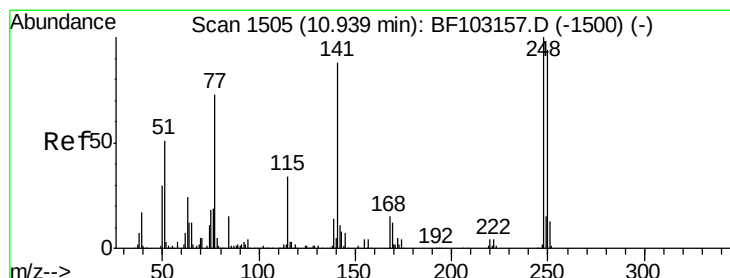
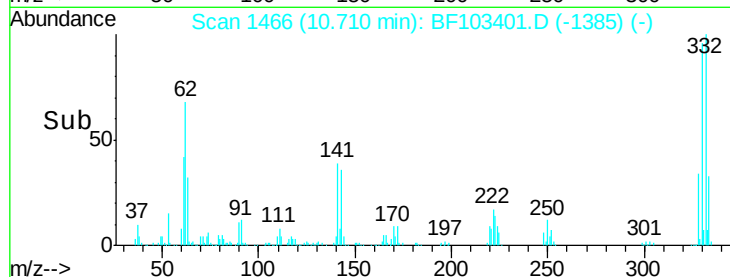
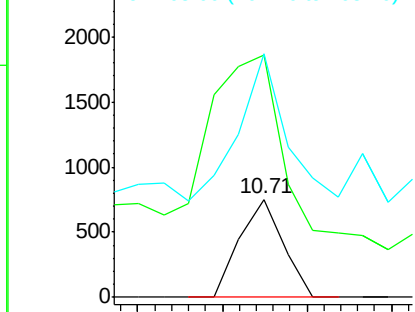
#64
4,6-Dinitro-2-methylphenol
Concen: 5.118 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 538
Ion Ratio Lower Upper
198 100
51 247.7 37.7 77.7#
105 248.3 36.3 76.3#

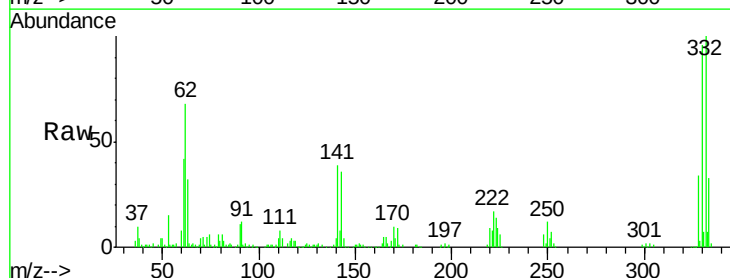


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

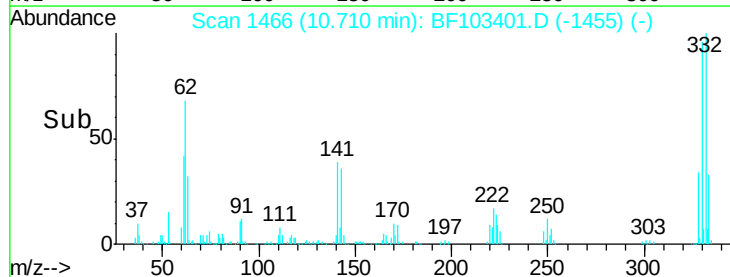
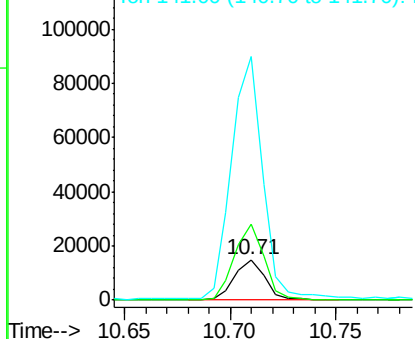


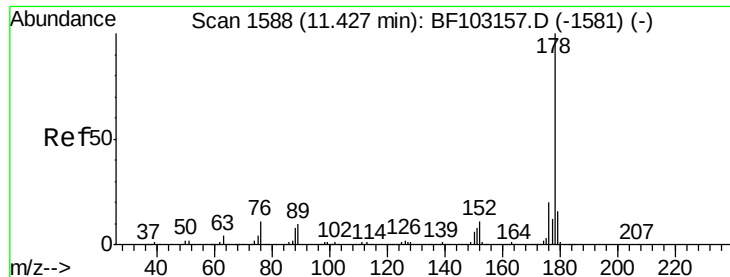
#66
4-Bromophenyl-phenylether
Concen: 3.086 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

Tgt Ion:248 Resp: 14803
Ion Ratio Lower Upper
248 100
250 187.8 76.9 115.3#
141 600.9 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 8.963 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

Instrument :

BNA_F

ClientSampleId :

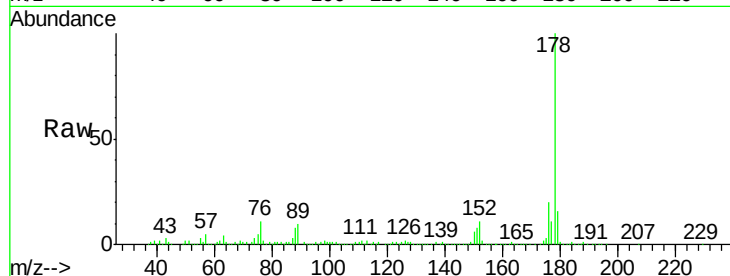
Tot Ion:178 Resp: 227152

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

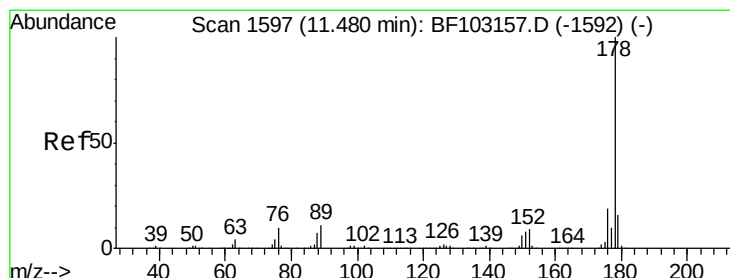
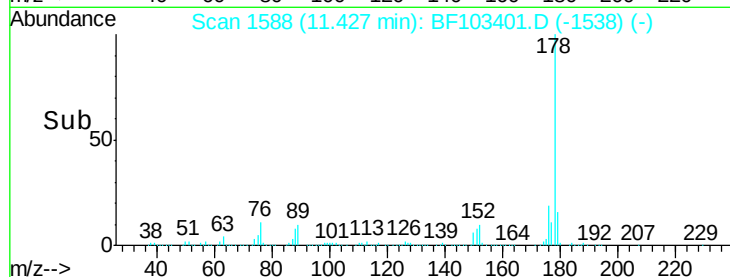
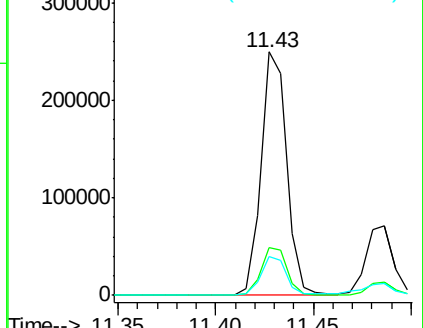
179 15.7 13.0 19.6



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: 2.538 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

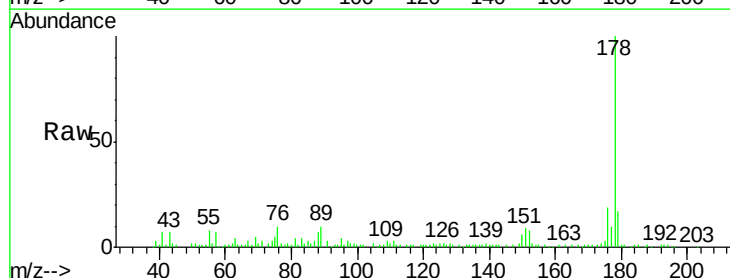
Tgt Ion:178 Resp: 65952

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

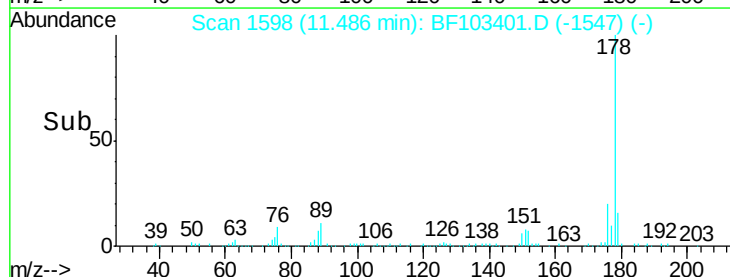
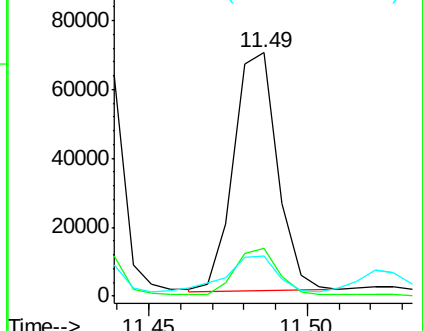
179 16.6 12.6 19.0

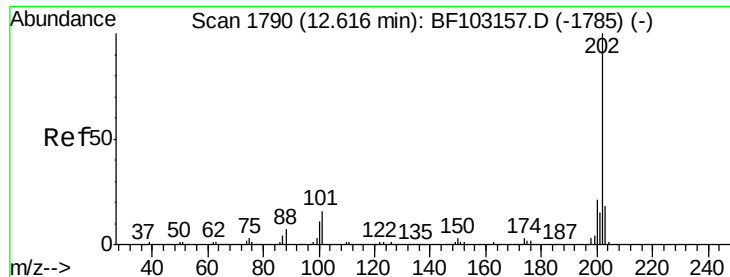


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.140 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

Instrument :

BNA_F

ClientSampleId :

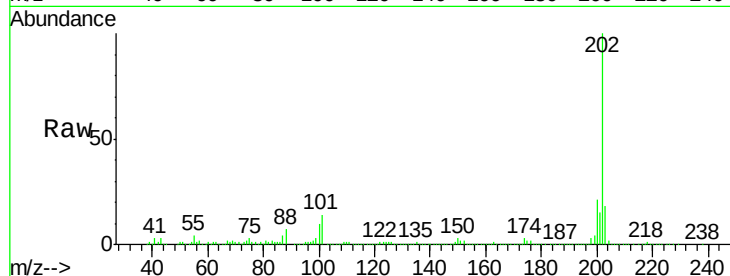
Tot Ion:202 Resp: 436497

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

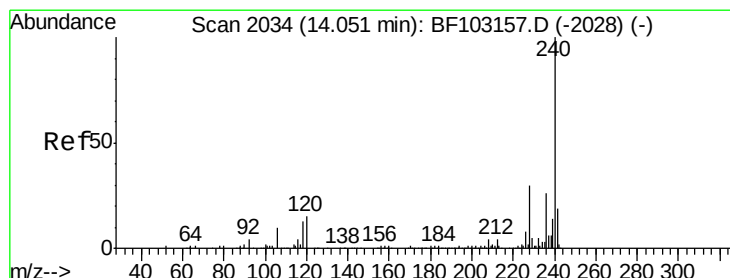
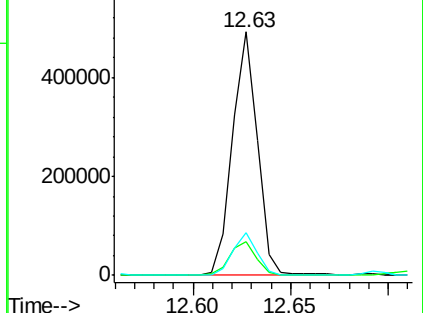
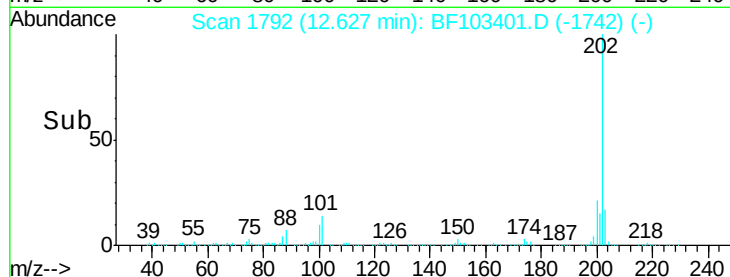
203 17.5 0.0 38.1



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

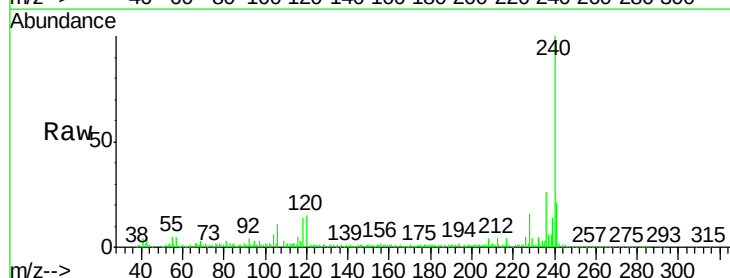
Tgt Ion:240 Resp: 278743

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

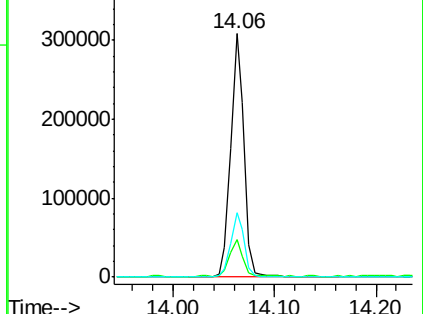
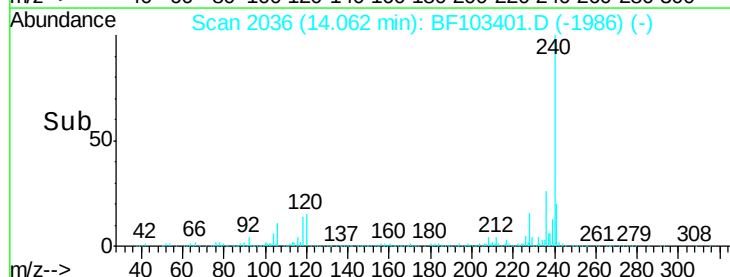
236 26.5 20.7 31.1

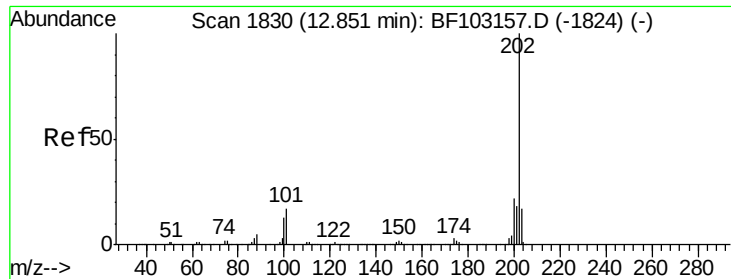


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 18.865 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

Instrument :

BNA_F

ClientSampleId :

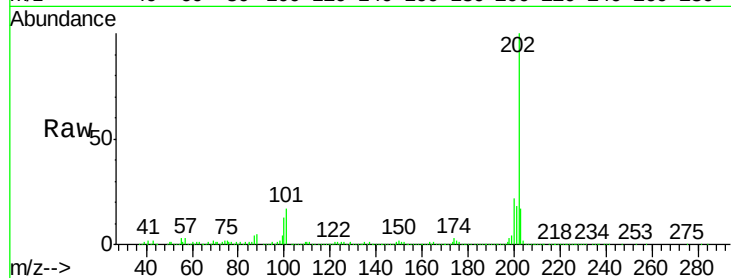
Tot Ion:202 Resp: 409978

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

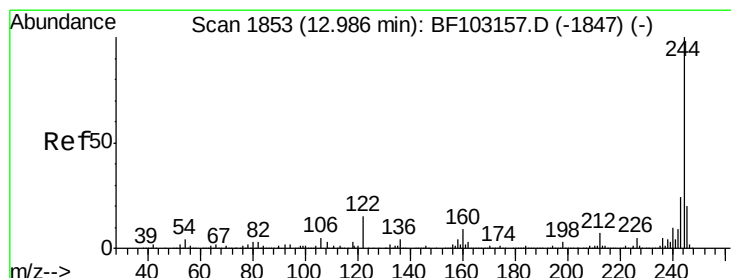
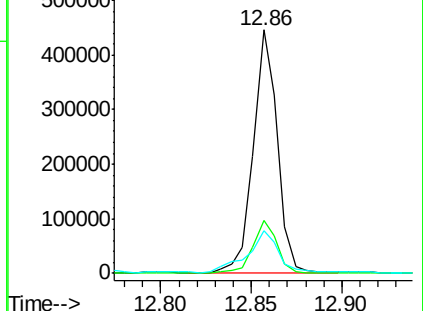
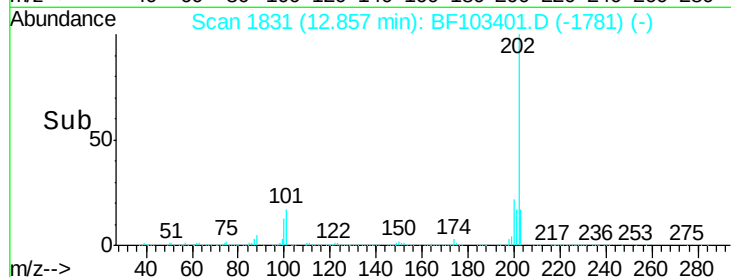
203 17.5 14.3 21.5



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: 71.932 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

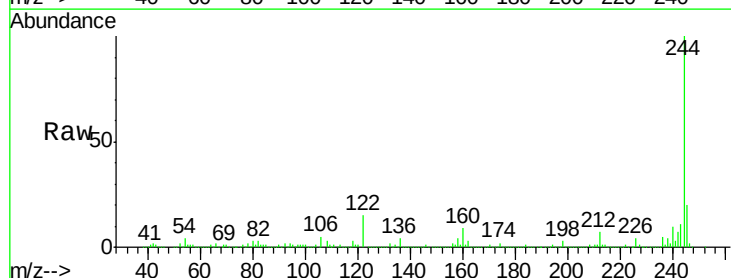
Tgt Ion:244 Resp: 834098

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

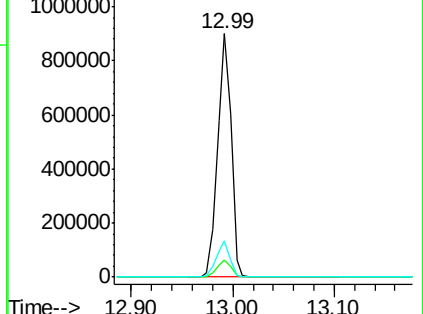
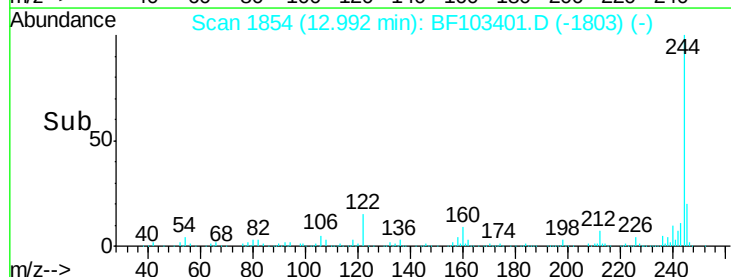
122 14.7 11.0 16.4

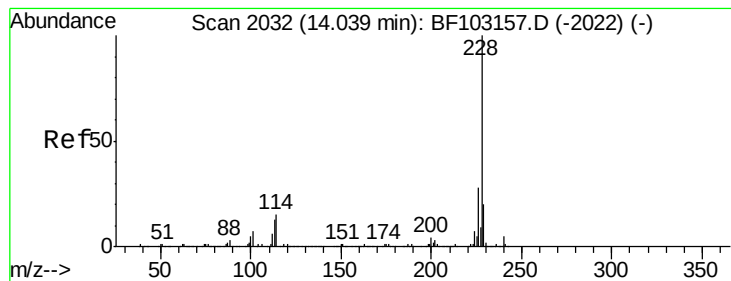


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.423 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103401.D

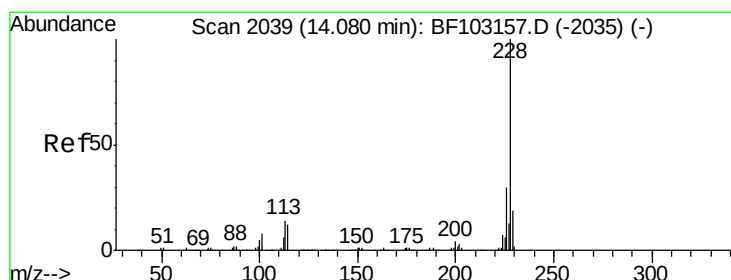
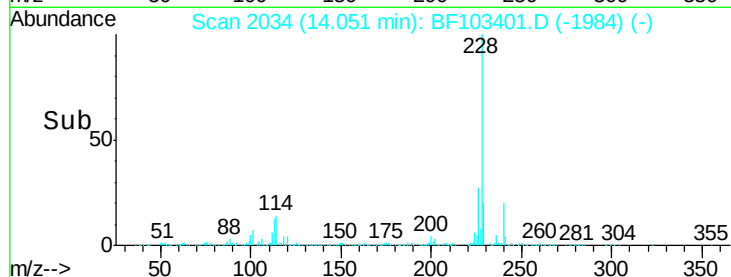
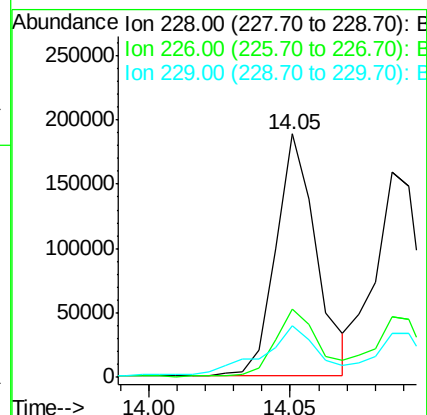
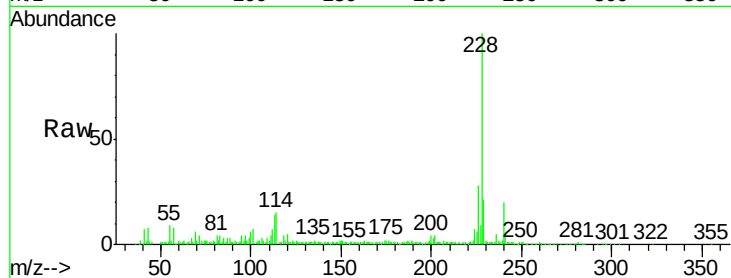
Acq: 5 Mar 2018 11:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	188517
Ion	Ratio	Lower Upper
228	100	
226	28.0	22.6 33.8
229	21.3	15.8 23.6



#82

Chrysene

Concen: 9.873 ng

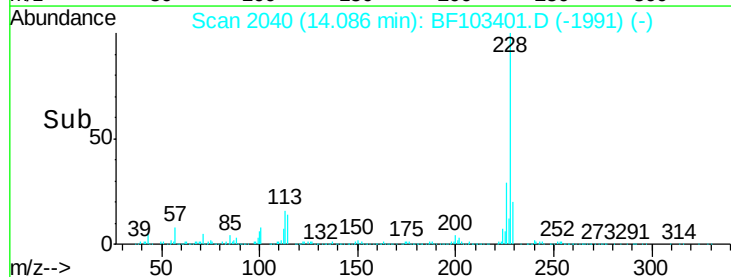
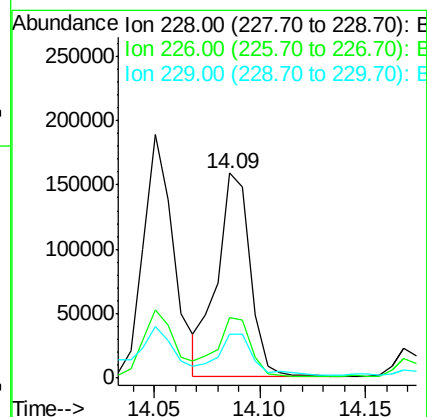
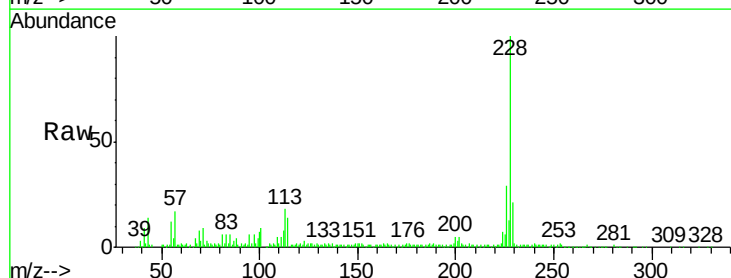
RT: 14.09 min Scan# 2040

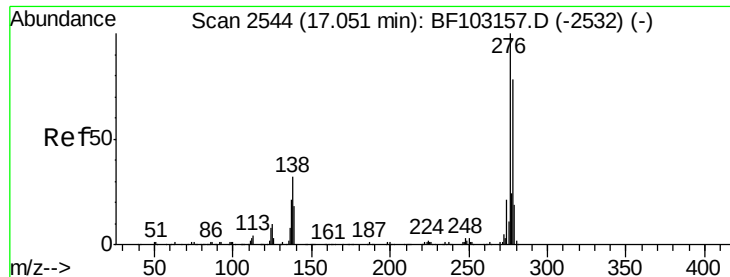
Delta R.T. -0.01 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

Tgt Ion:228	Resp:	173384
Ion	Ratio	Lower Upper
228	100	
226	29.4	25.0 37.6
229	21.4	16.2 24.4

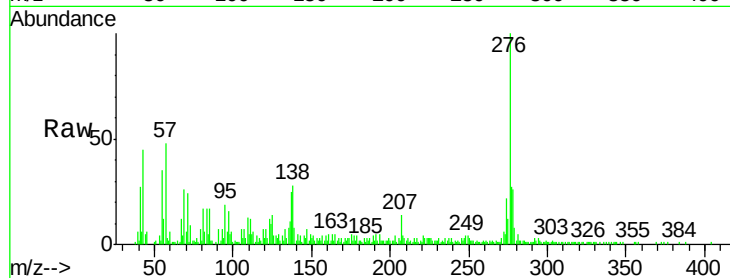




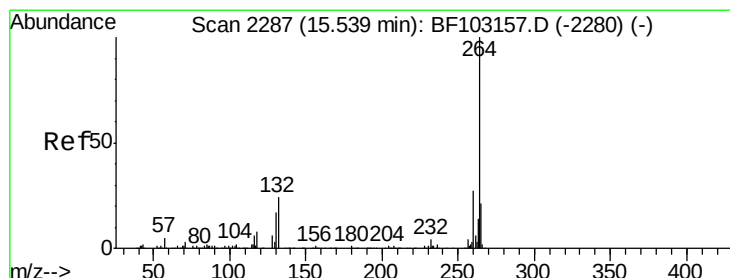
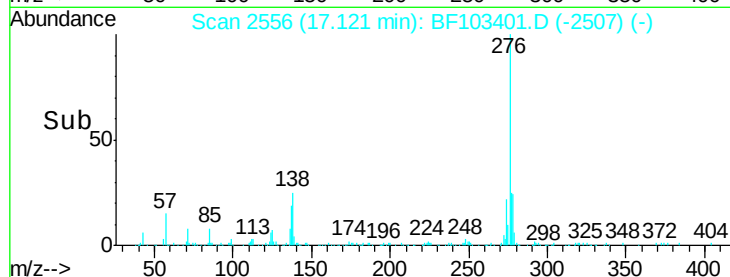
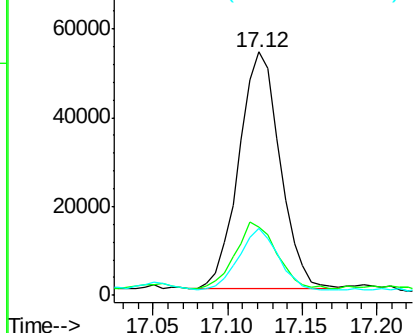
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.363 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF103401.D
 Acq: 5 Mar 2018 11:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	25.7	20.1	30.1

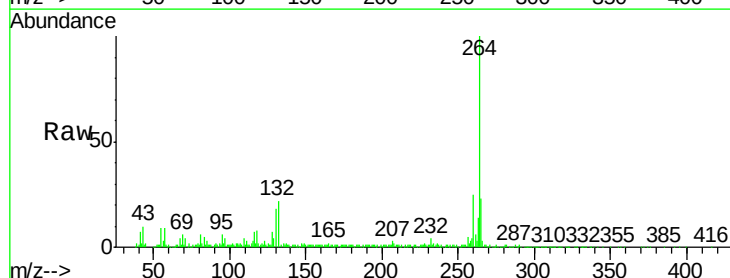


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

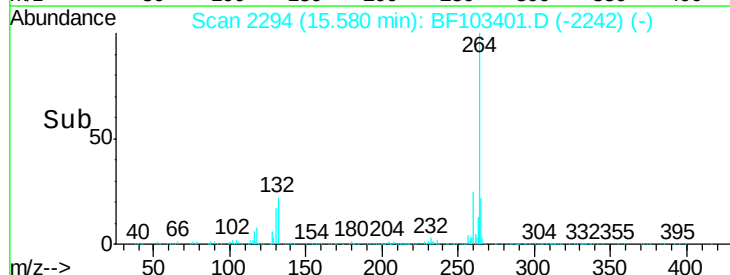
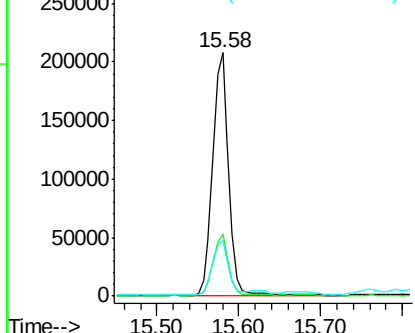


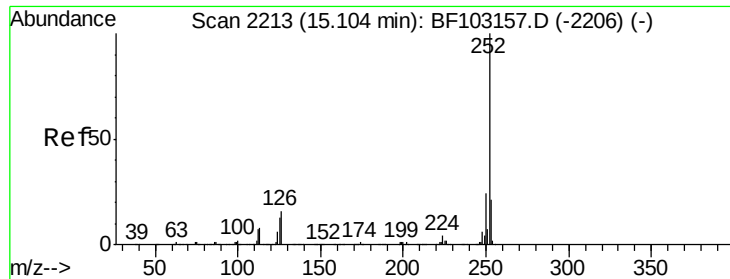
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF103401.D
 Acq: 5 Mar 2018 11:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.7	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

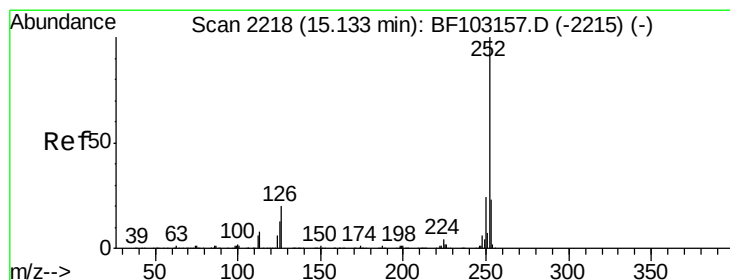
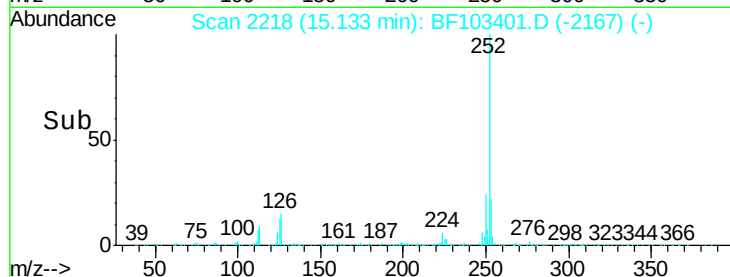
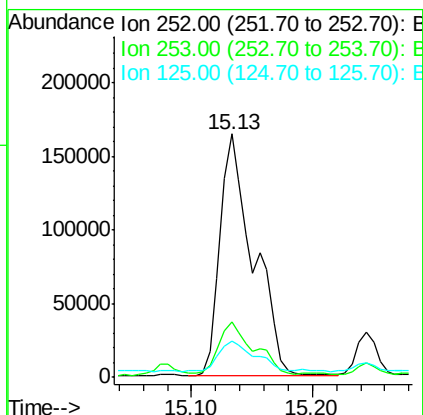
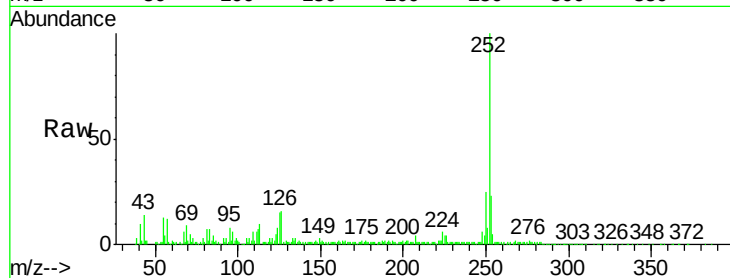




#87
Benzo(b)fluoranthene
Concen: 17.007 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

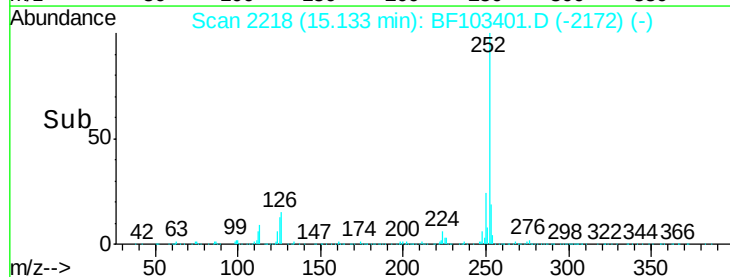
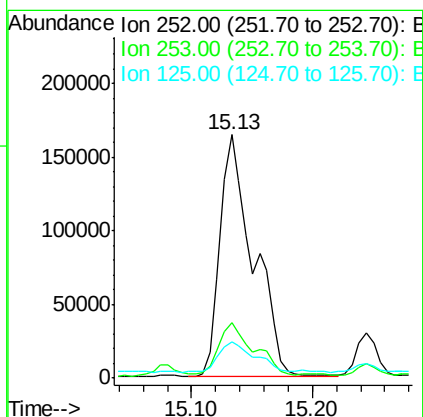
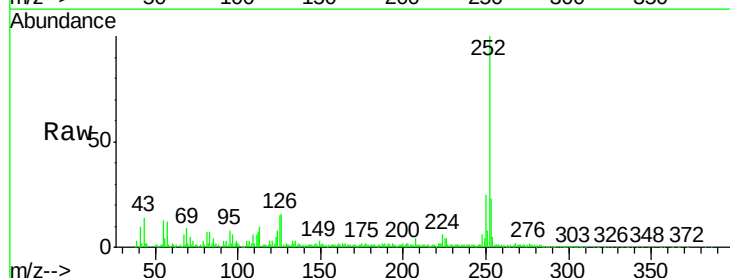
Instrument :
BNA_F
ClientSampleId :

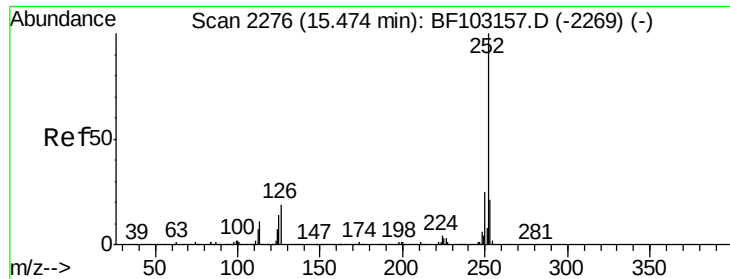
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	15.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 18.061 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103401.D
Acq: 5 Mar 2018 11:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	15.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 10.322 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF103401.D

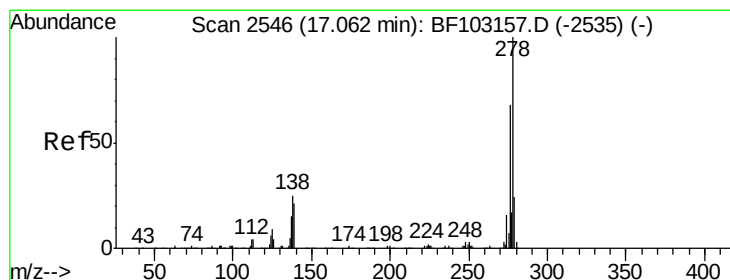
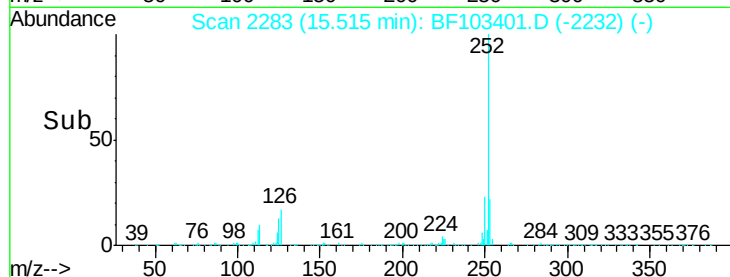
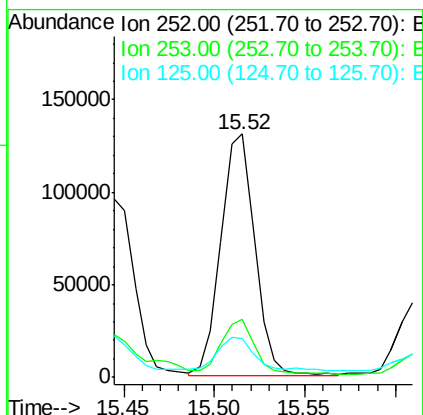
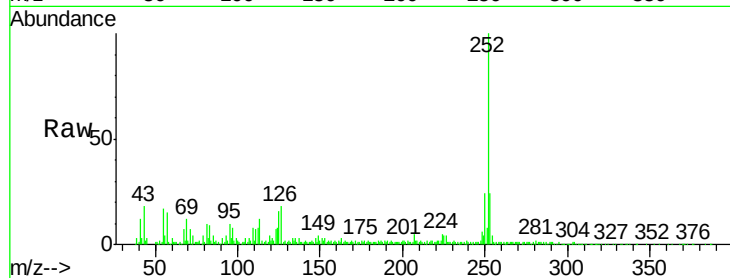
Acq: 5 Mar 2018 11:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	170518
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	15.8	9.8	14.6#



#90

Dibenzo(a,h)anthracene

Concen: 2.265 ng

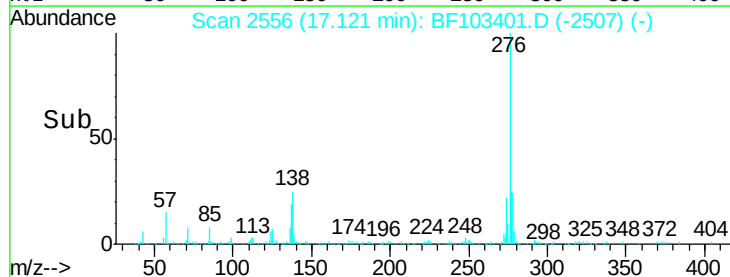
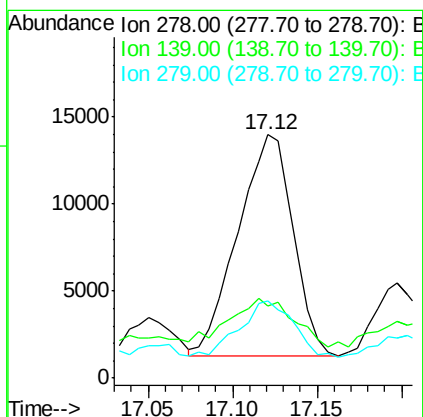
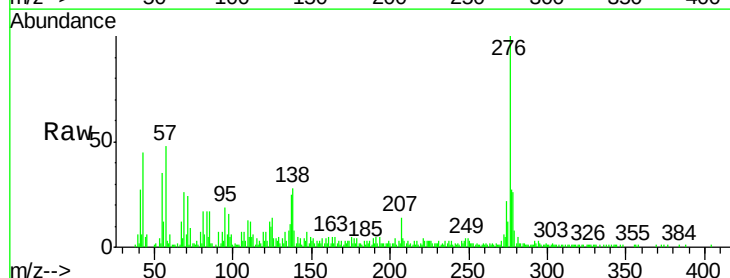
RT: 17.12 min Scan# 2556

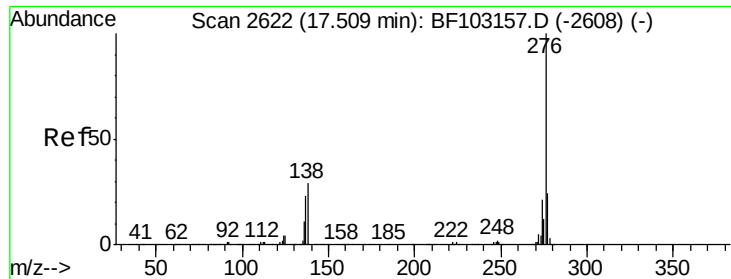
Delta R.T. -0.01 min

Lab File: BF103401.D

Acq: 5 Mar 2018 11:31

Tgt Ion:	278	Resp:	28919
Ion	Ratio	Lower	Upper
278	100		
139	29.9	15.9	23.9#
279	31.6	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 8.454 ng
 RT: 17.59 min Scan# 2636
 Delta R.T. -0.00 min
 Lab File: BF103401.D
 Acq: 5 Mar 2018 11:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	30.3	21.8	32.8

