

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103982.D
 Acq On : 27 Mar 2018 20:47
 Operator : JU/SJ
 Sample : J2052-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:56:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	153440	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	605893	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	260032	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	401221	20.00	ng	0.00
75) Chrysene-d12	14.16	240	281338	20.00	ng	-0.01
86) Perylene-d12	15.70	264	245487	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	946936	93.87	ng	0.02
7) Phenol-d6	6.60	99	1166132	94.48	ng	0.00
23) Nitrobenzene-d5	7.53	82	682079	78.50	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	248139	110.99	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1150248	70.56	ng	0.00
78) Terphenyl-d14	13.09	244	846526	69.84	ng	0.00

Target Compounds

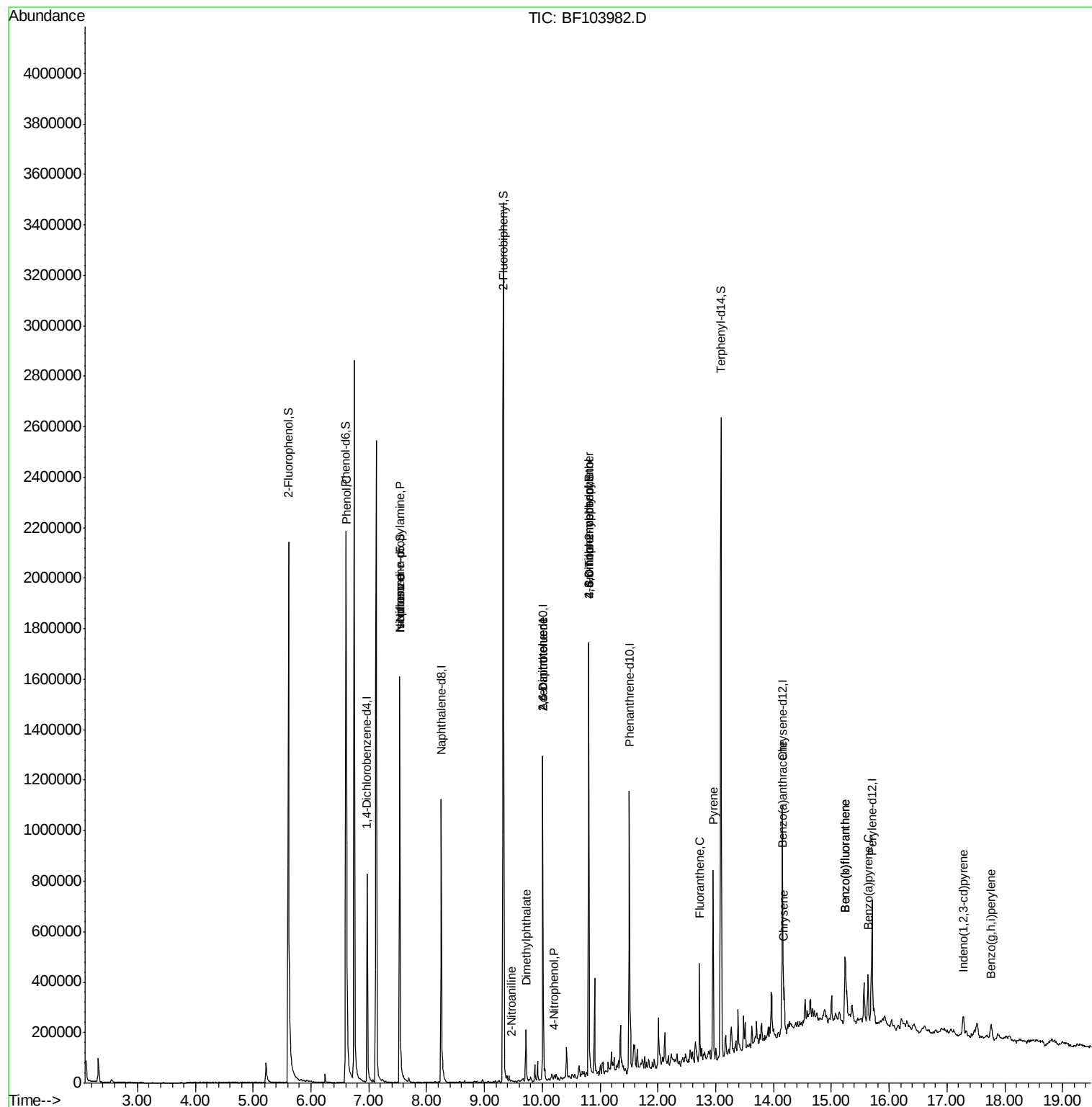
						Qvalue
10) Phenol	6.62	94	75322	5.743	ng	83
19) n-Nitroso-di-n-propylamine	7.53	70	88194	11.150	ng	# 73
25) Isophorone	7.53	82	682075	33.912	ng	# 64
47) 2-Nitroaniline	9.48	65	109	6.835	ng	# 2
49) Dimethylphthalate	9.72	163	84118	4.240	ng	99
50) 2,6-Dinitrotoluene	10.01	165	33020	11.874	ng	# 26
55) 4-Nitrophenol	10.22	139	2078	5.506	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	33021	12.126	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	421	8.431	ng	# 19
66) 4-Bromophenyl-phenylether	10.80	248	14291	3.469	ng	# 1
74) Fluoranthene	12.72	202	141325	6.250	ng	99
77) Pyrene	12.96	202	295859	14.319	ng	98
80) Benzo(a)anthracene	14.14	228	87146	4.893	ng	95
82) Chrysene	14.18	228	90662	5.341	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	49958	3.370	ng	93
87) Benzo(b)fluoranthene	15.24	252	184298	11.883	ng	# 95
88) Benzo(k)fluoranthene	15.24	252	184298	12.362	ng	98
89) Benzo(a)pyrene	15.63	252	88598	6.298	ng	# 95
91) Benzo(a,h,i)perylene	17.76	276	52145	4.400	ng	96

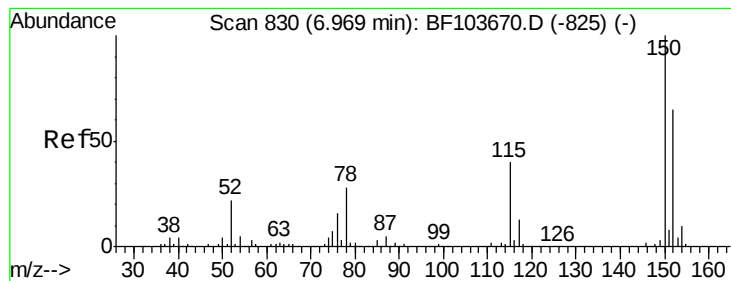
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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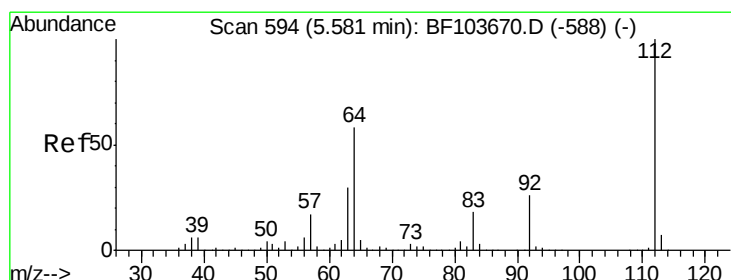
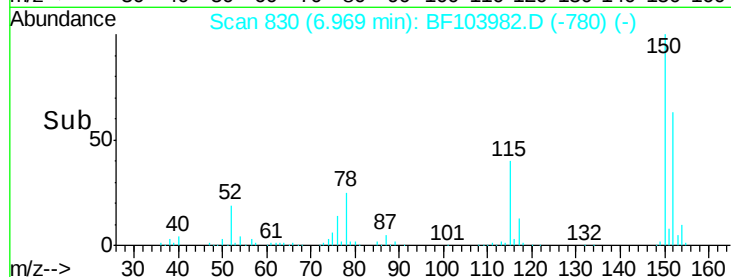
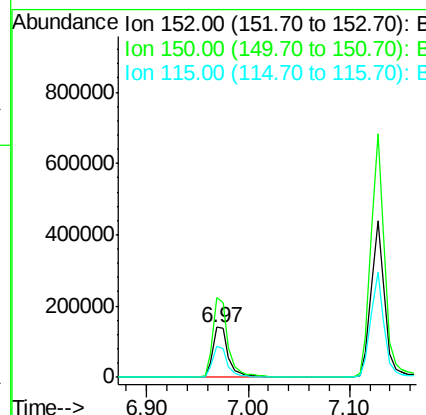
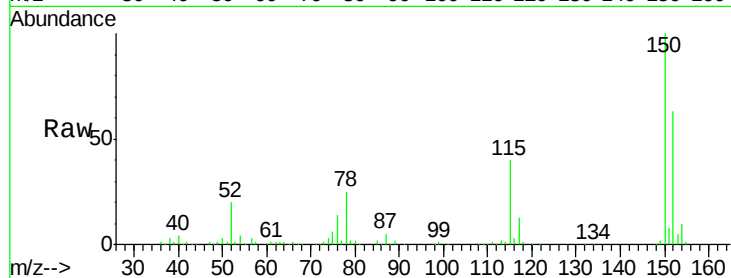


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Instrument :
BNA_F
ClientSampled :

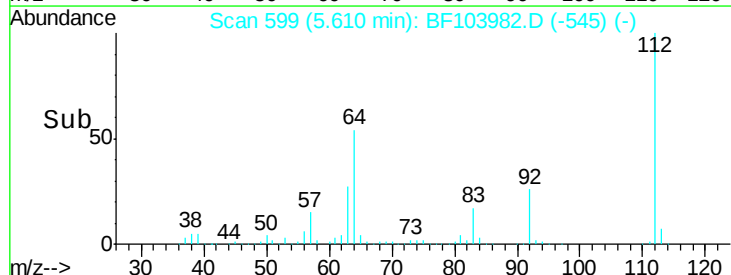
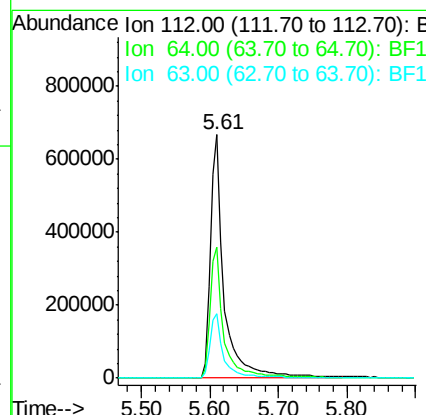
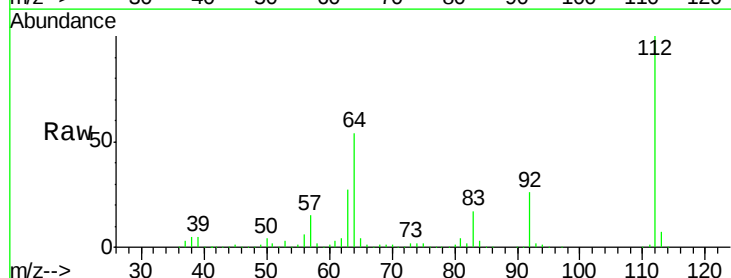
Tot Ion:152 Resp: 153440
Ion Ratio Lower Upper
152 100
150 159.8 124.6 186.8
115 63.7 50.1 75.1

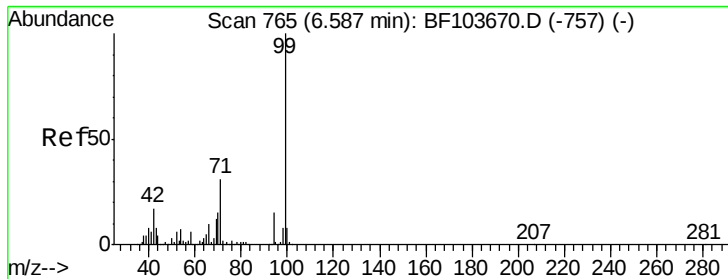


#5

2-Fluorophenol
Concen: 93.866 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Tgt Ion:112 Resp: 946936
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 26.7 23.7 35.5





#7

Phenol-d6

Concen: 94.484 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103982.D

Acq: 27 Mar 2018 20:47

Instrument :

BNA_F

ClientSampleId :

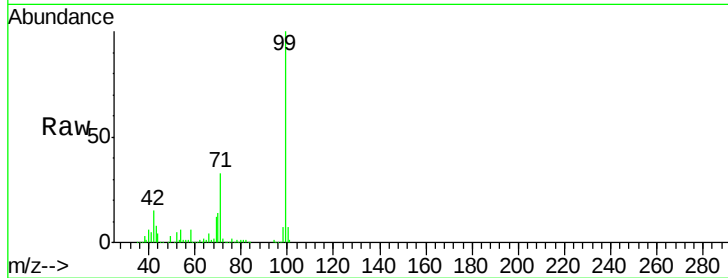
Tot Ion: 99 Resp: 1166132

Ion Ratio Lower Upper

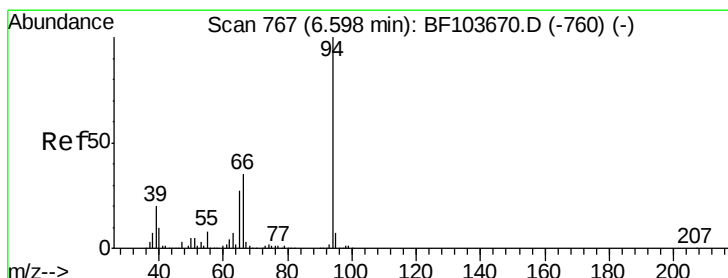
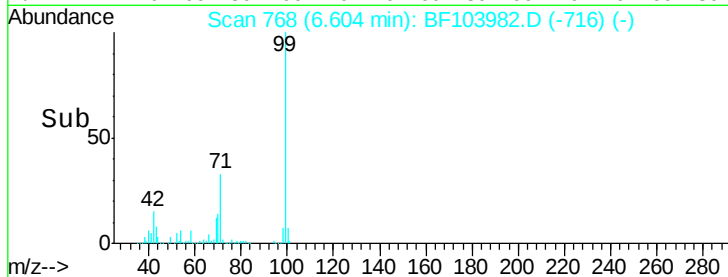
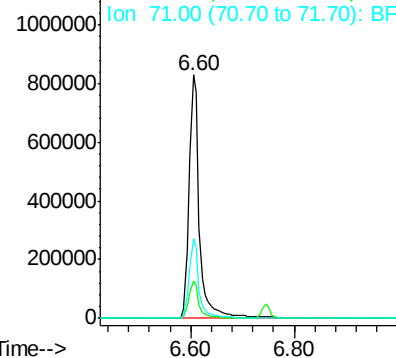
99 100

42 15.3 14.5 21.7

71 33.0 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: 5.743 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF103982.D

Acq: 27 Mar 2018 20:47

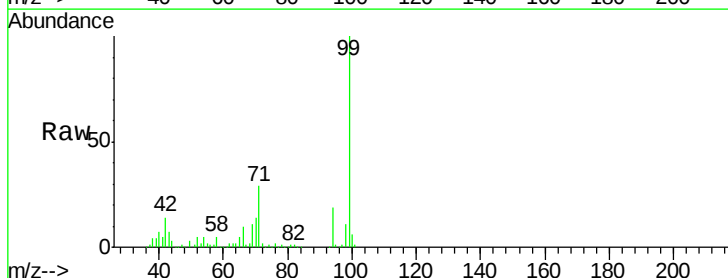
Tgt Ion: 94 Resp: 75322

Ion Ratio Lower Upper

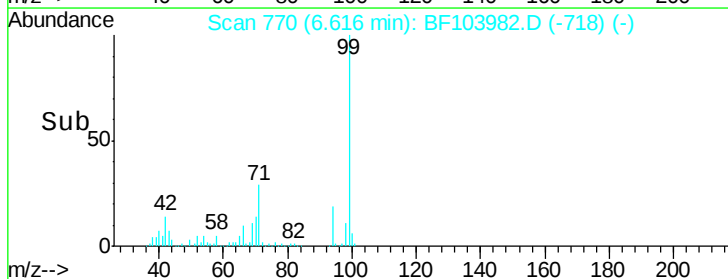
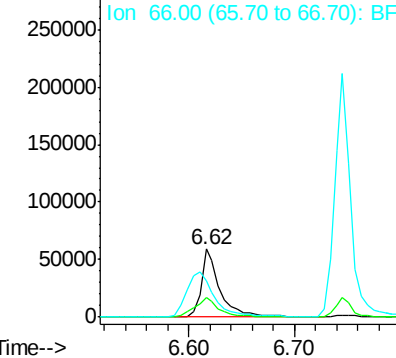
94 100

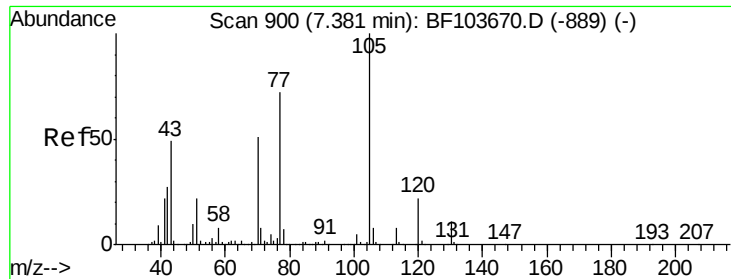
65 28.0 7.9 47.9

66 53.6 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

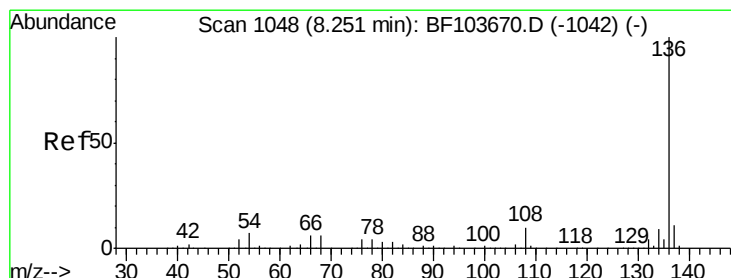
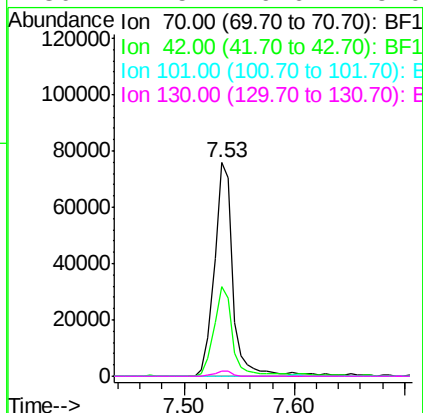
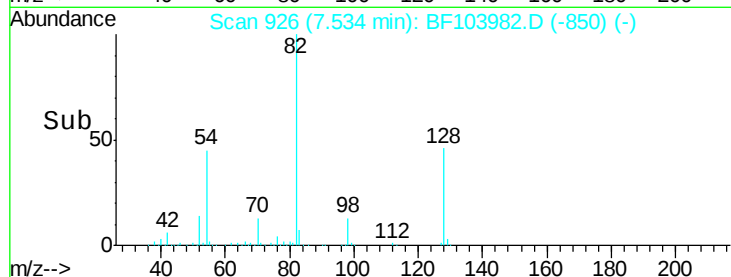
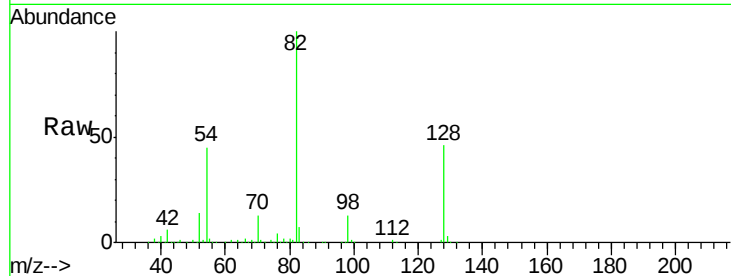




#19
n-Nitroso-di-n-propylamine
Concen: 11.150 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

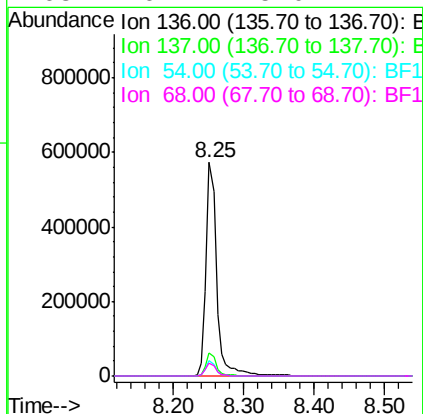
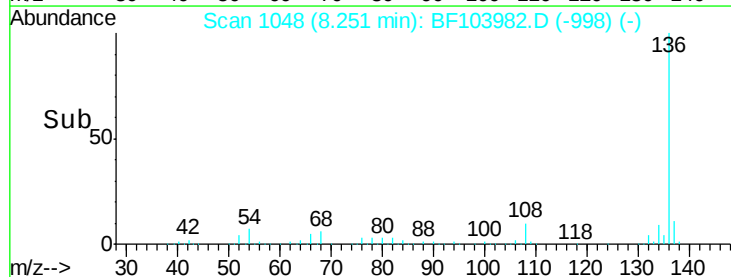
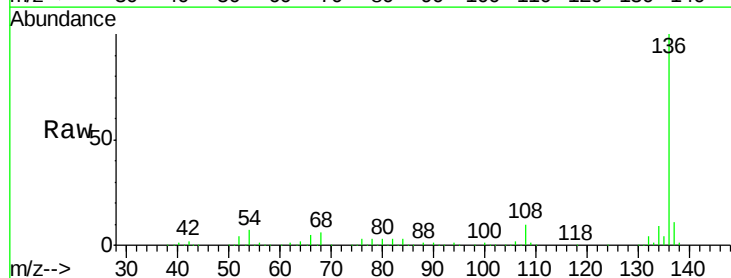
Instrument :
BNA_F
ClientSampleId :

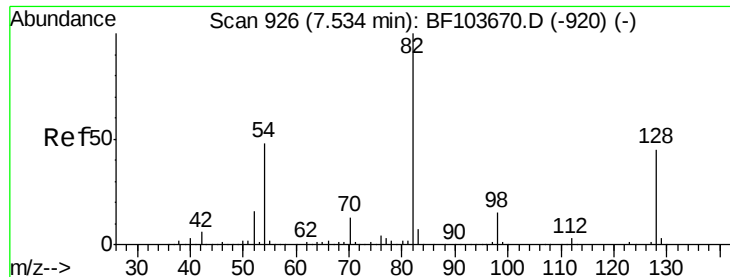
Tot Ion: 70 Resp: 88194
Ion Ratio Lower Upper
70 100
42 42.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Tgt Ion: 136 Resp: 605893
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.9 6.6 9.8
68 6.2 5.0 7.4

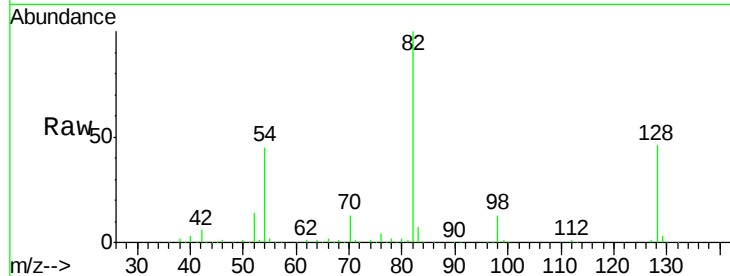




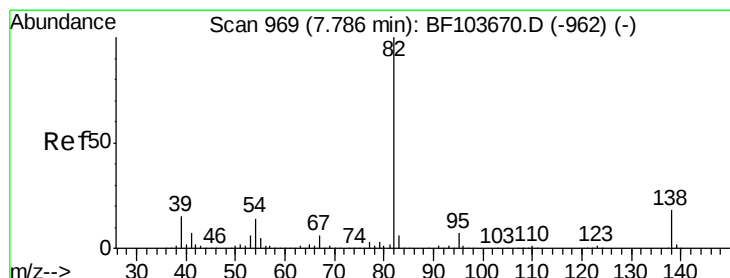
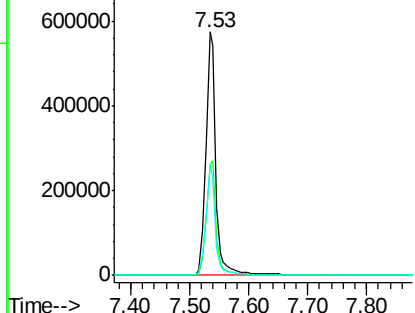
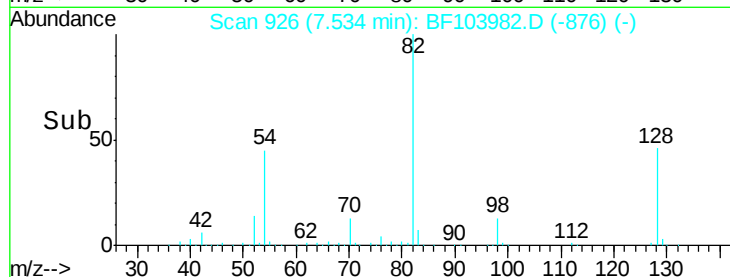
#23
Nitrobenzene-d5
Concen: 78.505 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 682079
Ion Ratio Lower Upper
82 100
128 46.2 36.1 54.1
54 45.2 41.4 62.2

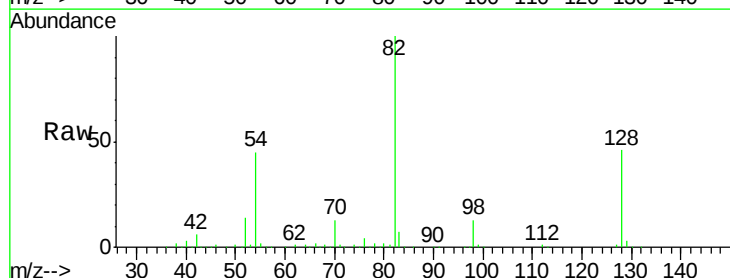


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

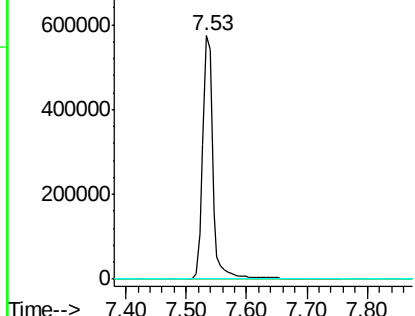
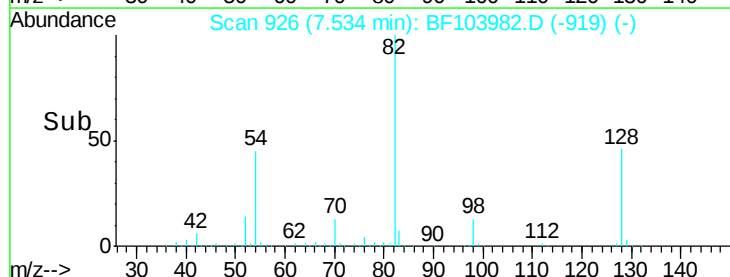


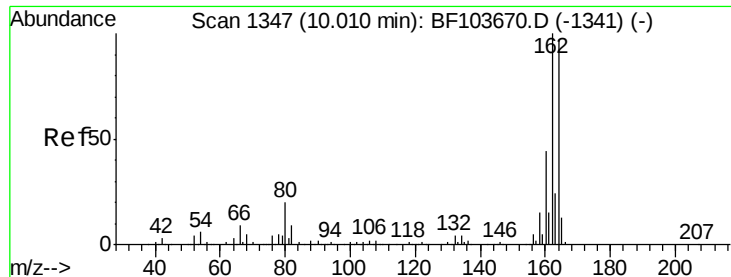
#25
Isophorone
Concen: 33.912 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Tgt Ion: 82 Resp: 682075
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

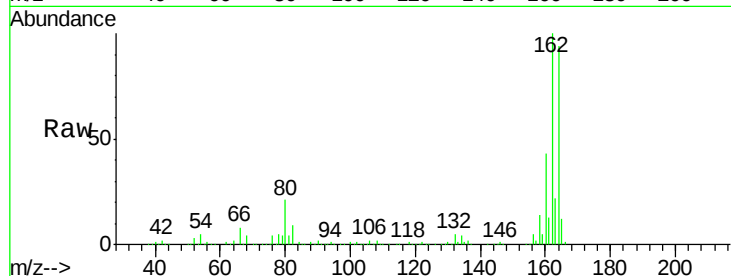




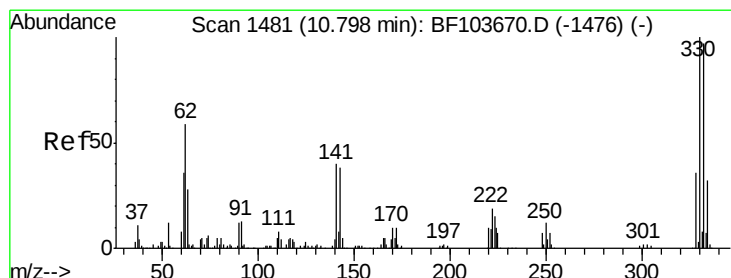
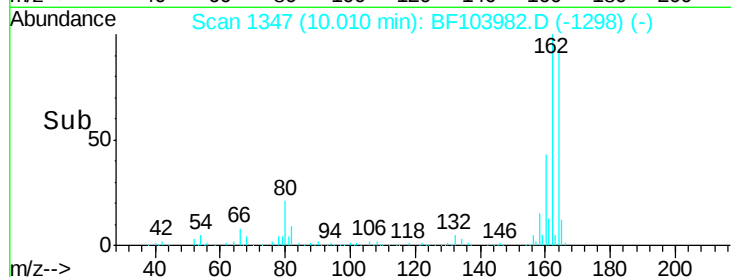
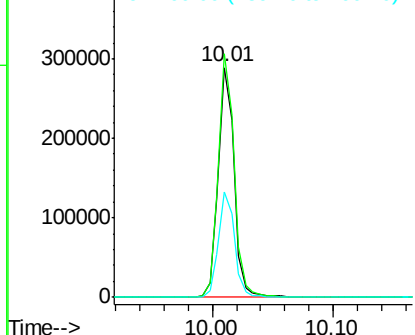
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 260032
 Ion Ratio Lower Upper
 164 100
 162 106.1 86.1 129.1
 160 45.8 38.3 57.5

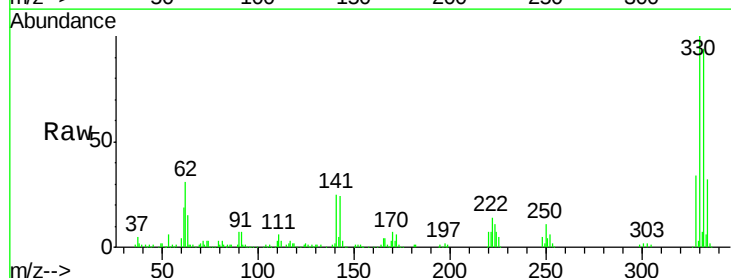


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

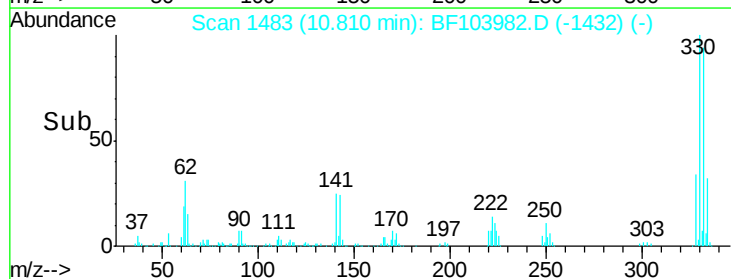
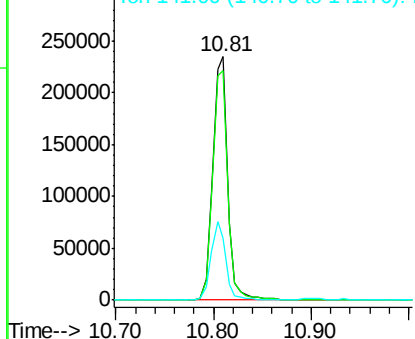


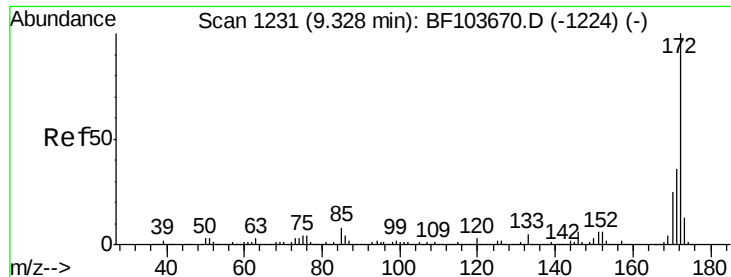
#41
 2,4,6-Tribromophenol
 Concen: 110.986 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

Tgt Ion:330 Resp: 248139
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 31.6 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

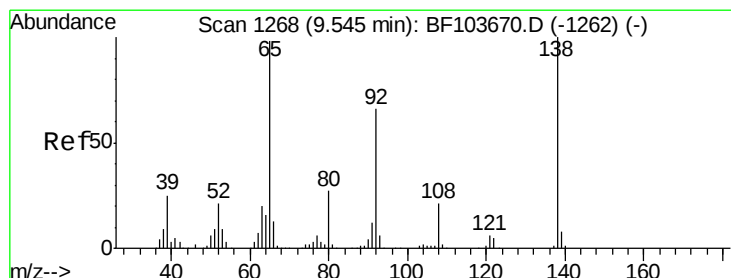
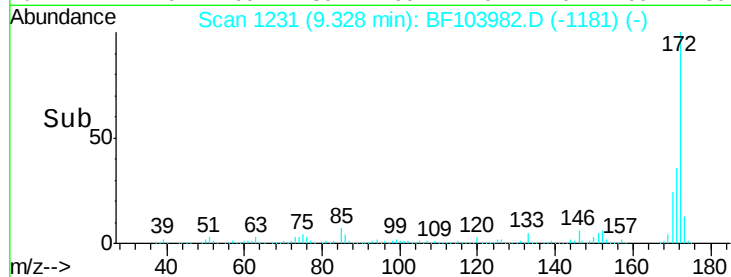
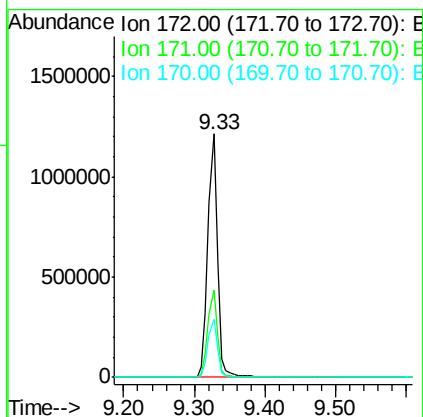
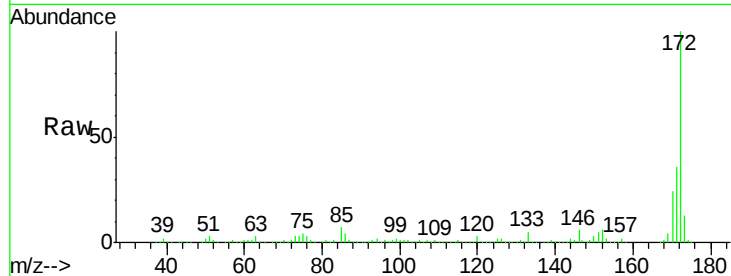




#44
 2-Fluorobiphenyl
 Concen: 70.561 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

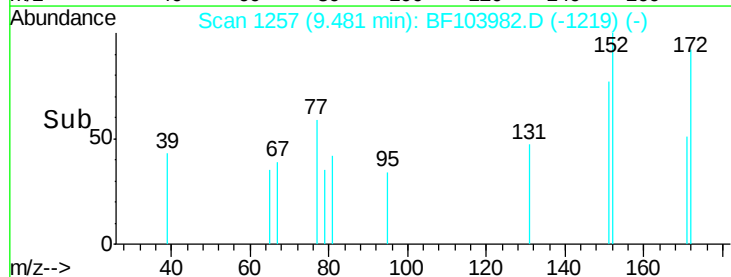
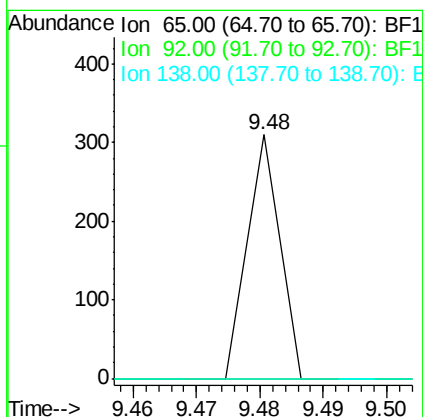
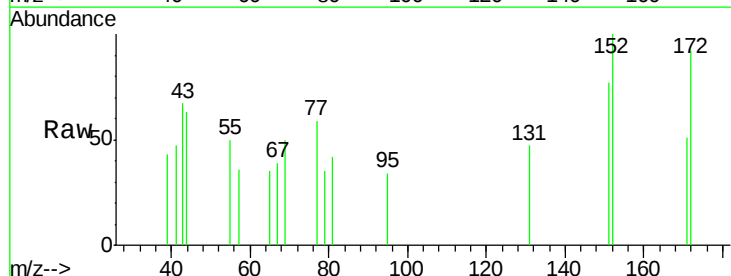
Instrument :
 BNA_F
 ClientSampleId :

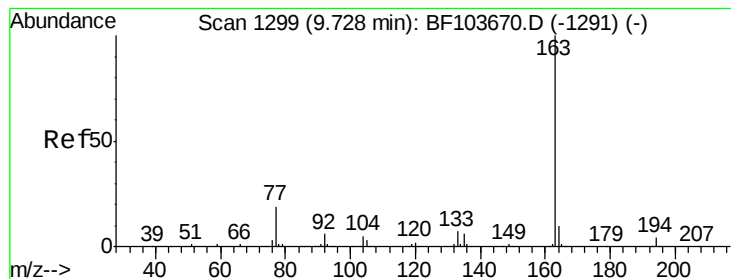
Tot Ion:172 Resp: 1150248
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.8 19.6 29.4



#47
 2-Nitroaniline
 Concen: 6.835 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.08 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

Tgt Ion: 65 Resp: 109
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 4.240 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103982.D

Acq: 27 Mar 2018 20:47

Instrument :

BNA_F

ClientSampleId :

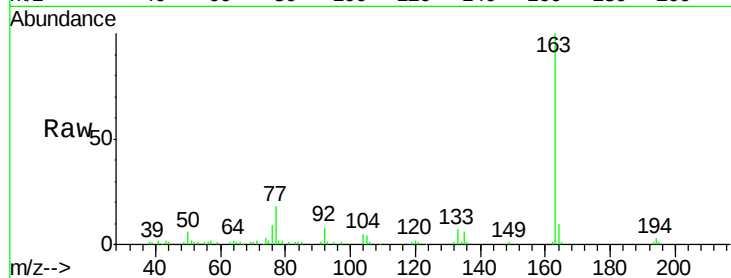
Tot Ion:163 Resp: 84118

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

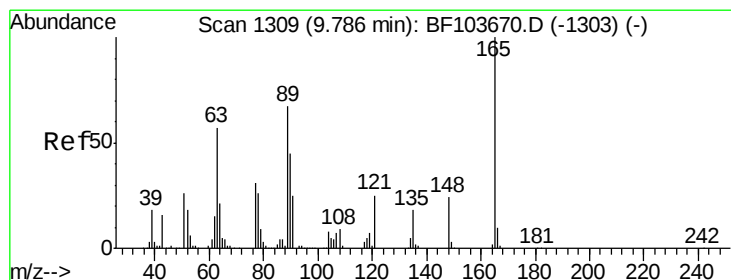
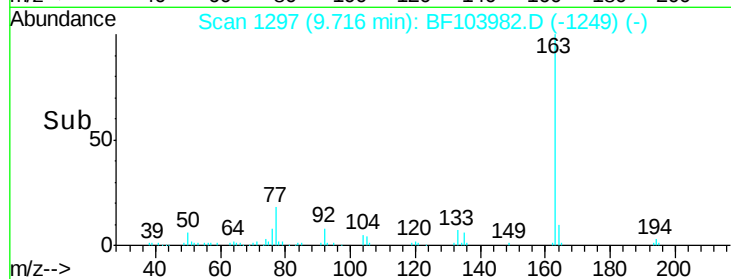
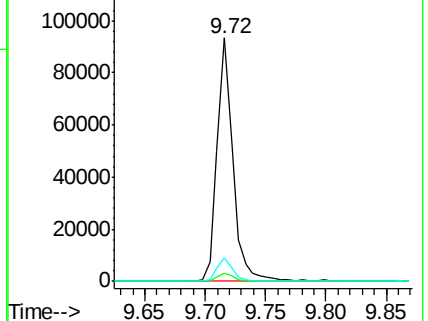
164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 11.874 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF103982.D

Acq: 27 Mar 2018 20:47

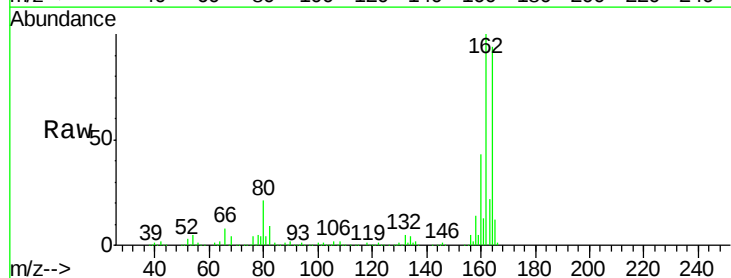
Tgt Ion:165 Resp: 33020

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

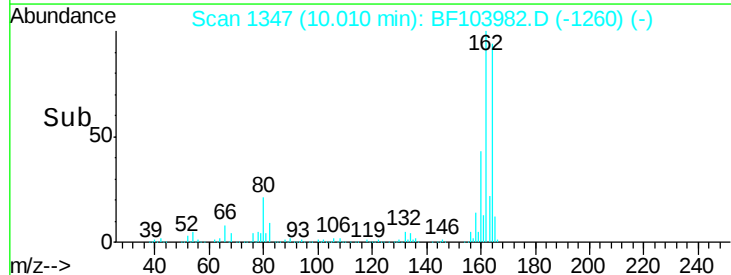
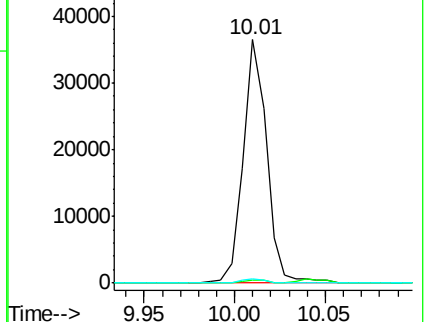
89 1.8 44.0 66.0#

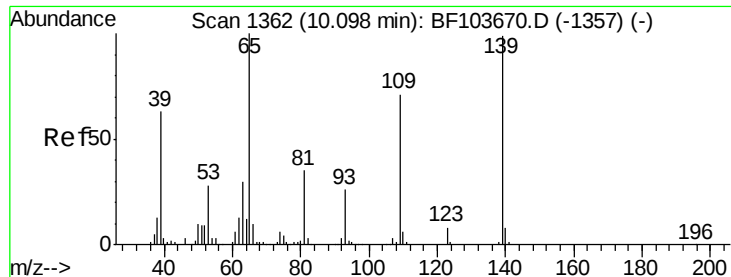


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

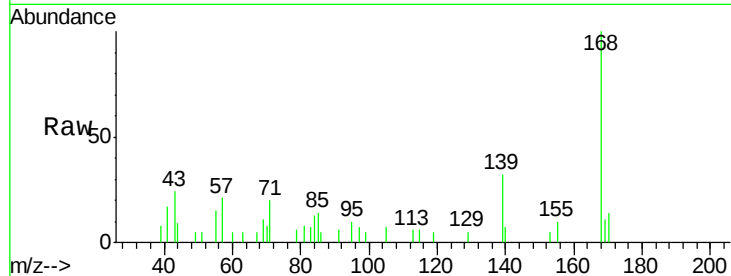




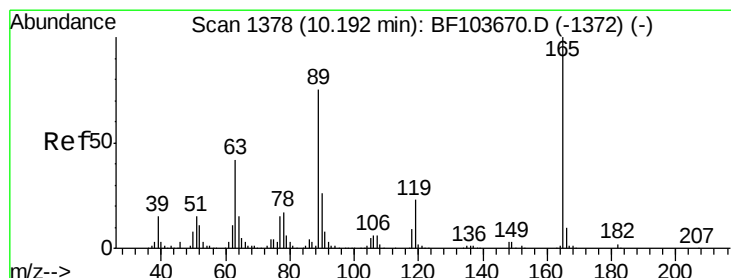
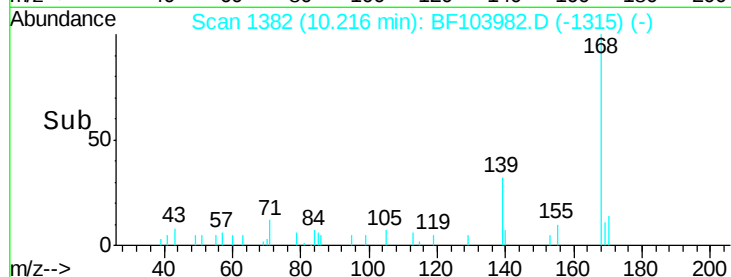
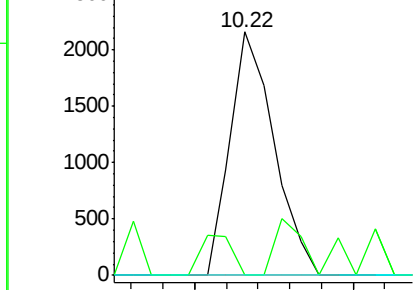
#55
4-Nitrophenol
Concen: 5.506 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.09 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2078
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

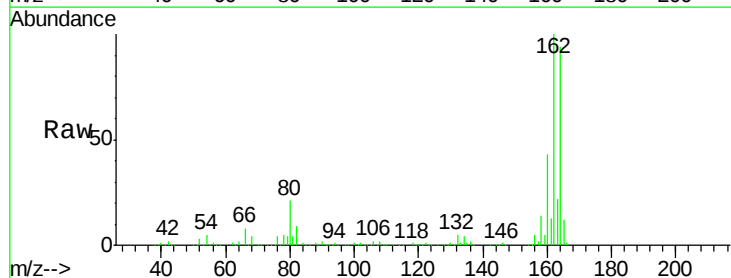


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

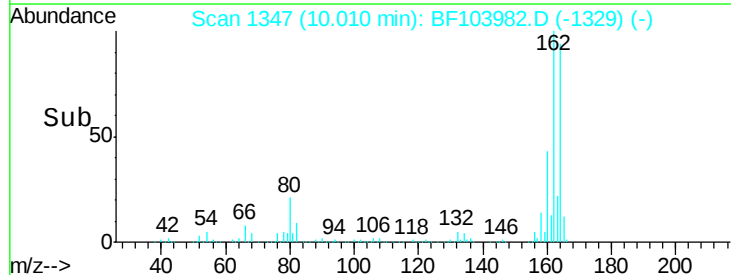
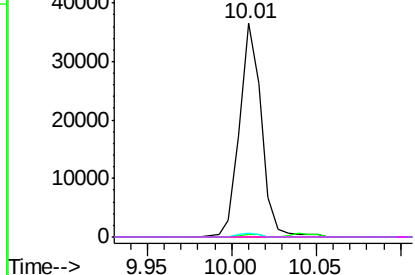


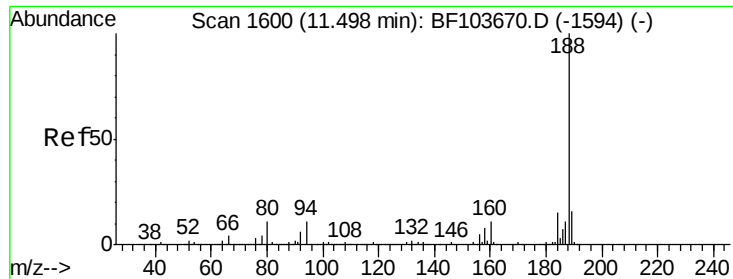
#56
2,4-Dinitrotoluene
Concen: 12.126 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Tgt Ion:165 Resp: 33021
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#



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
Ion 182.00 (181.70 to 182.70): E

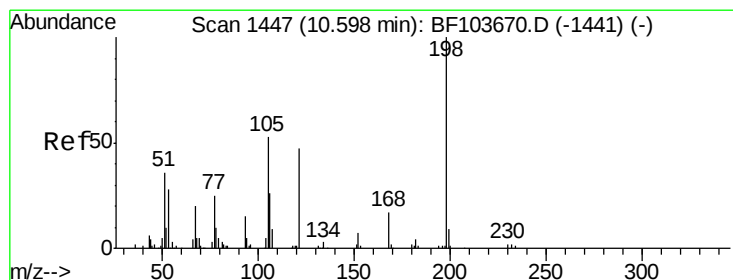
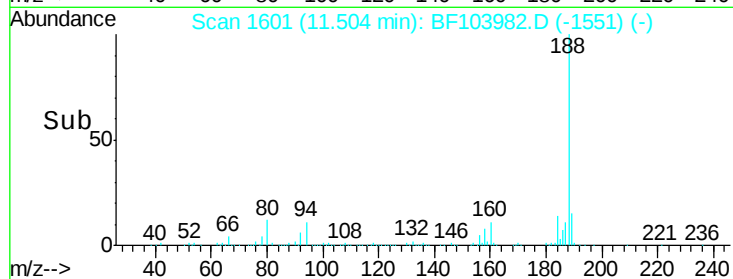
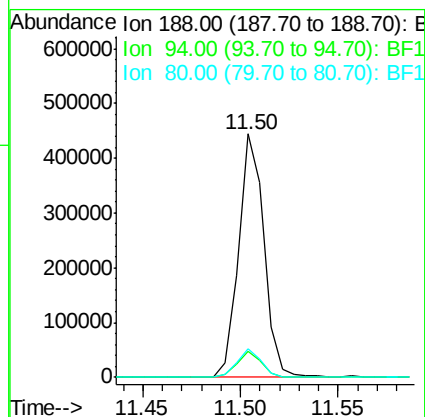
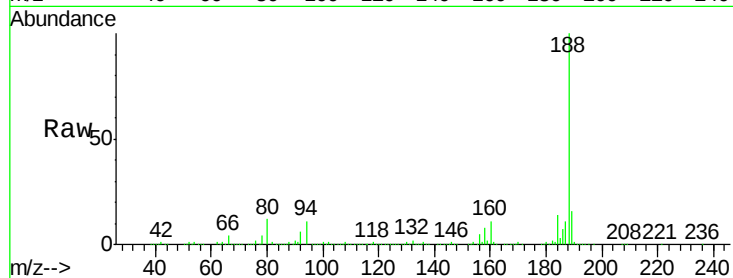




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

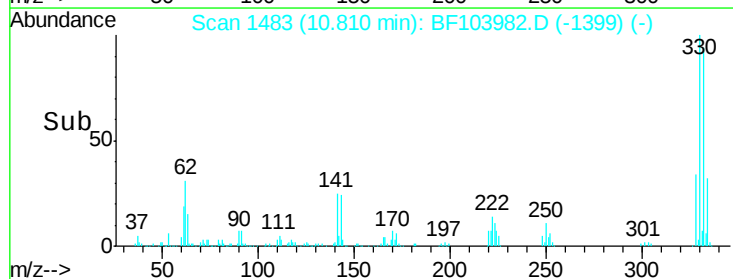
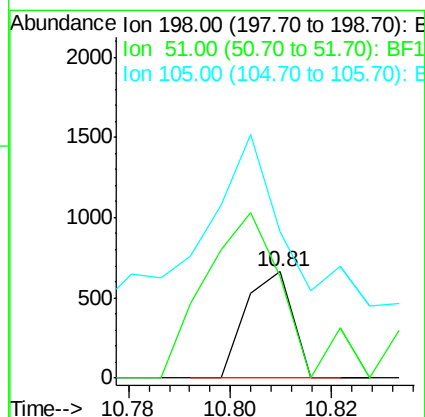
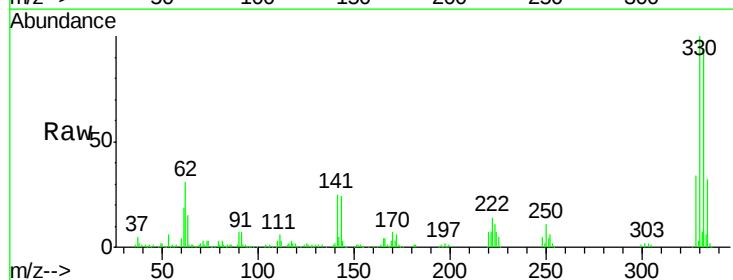
Instrument :
 BNA_F
 ClientSampleId :

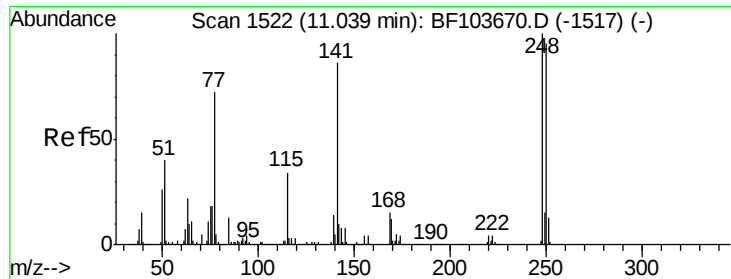
Tot Ion:188 Resp: 401221
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 11.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.431 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.19 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

Tgt Ion:198 Resp: 421
 Ion Ratio Lower Upper
 198 100
 51 95.9 37.7 77.7#
 105 137.3 36.3 76.3#

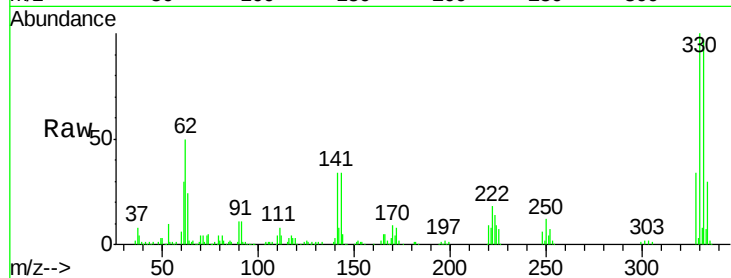




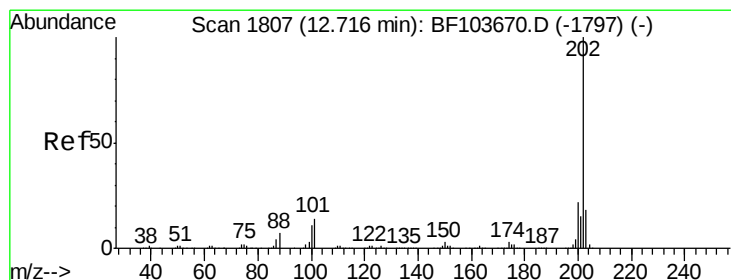
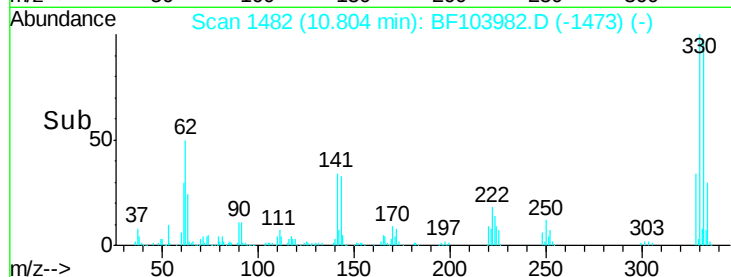
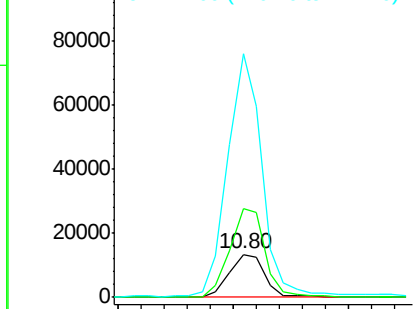
#66
4-Bromophenyl-phenylether
Concen: 3.469 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14291
Ion Ratio Lower Upper
248 100
250 208.3 76.9 115.3#
141 569.9 74.4 111.6#

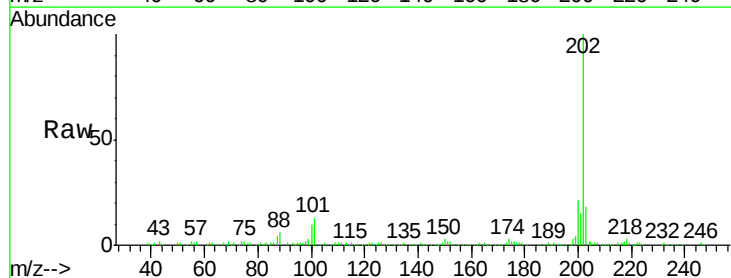


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

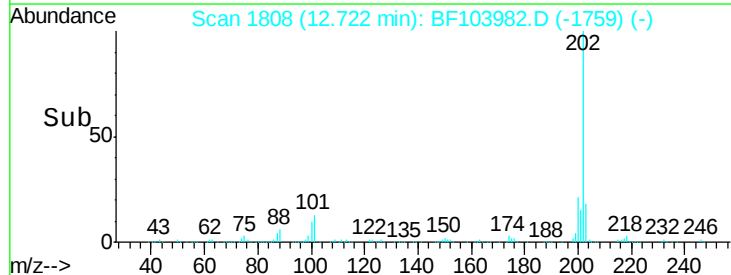
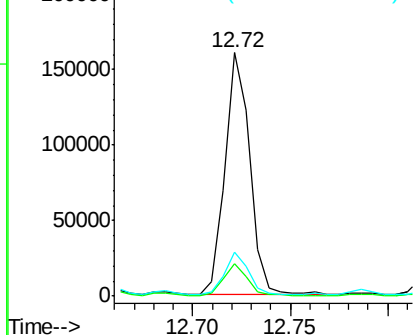


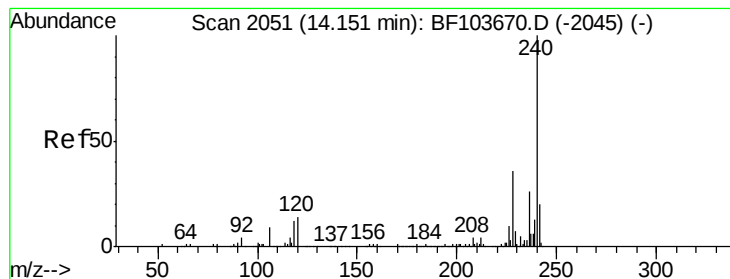
#74
Fluoranthene
Concen: 6.250 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Tgt Ion:202 Resp: 141325
Ion Ratio Lower Upper
202 100
101 13.5 0.0 34.1
203 18.0 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: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF103982.D

Acq: 27 Mar 2018 20:47

Instrument :

BNA_F

ClientSampleId :

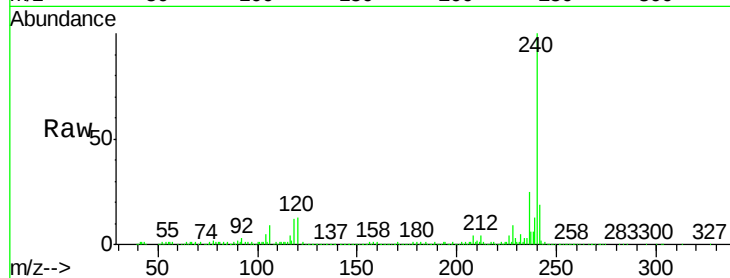
Tot Ion:240 Resp: 281338

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

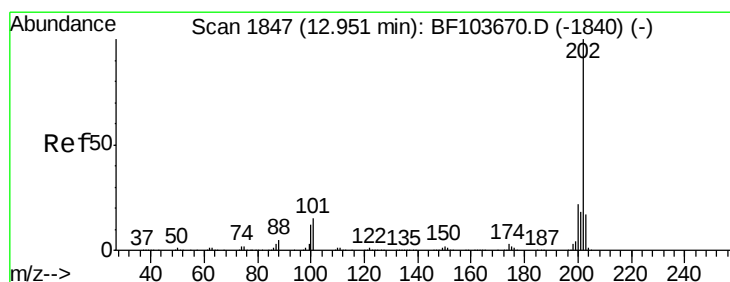
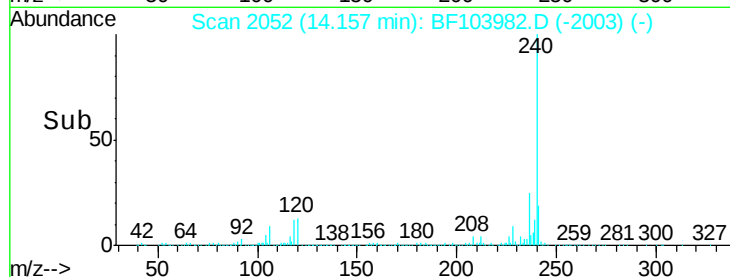
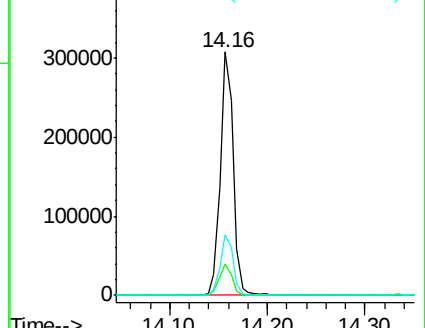
236 25.0 20.7 31.1



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: 14.319 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103982.D

Acq: 27 Mar 2018 20:47

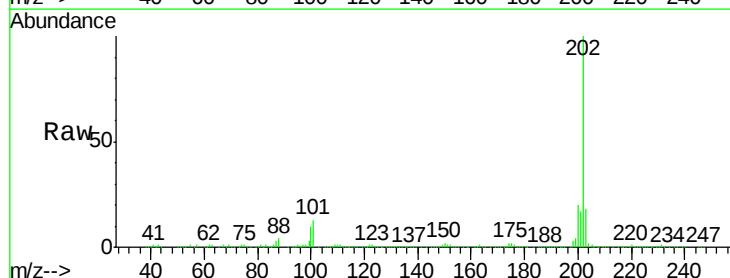
Tgt Ion:202 Resp: 295859

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

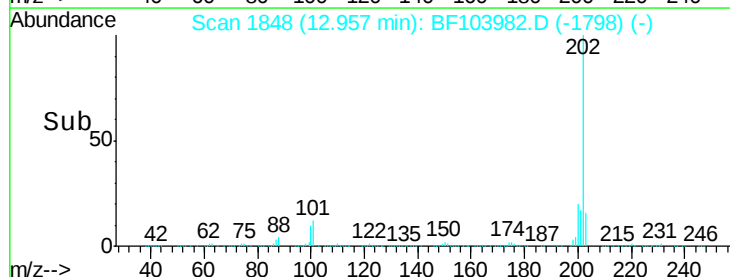
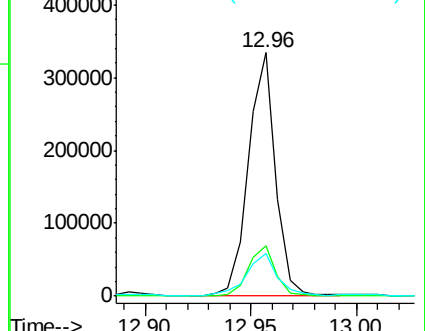
203 17.6 14.3 21.5

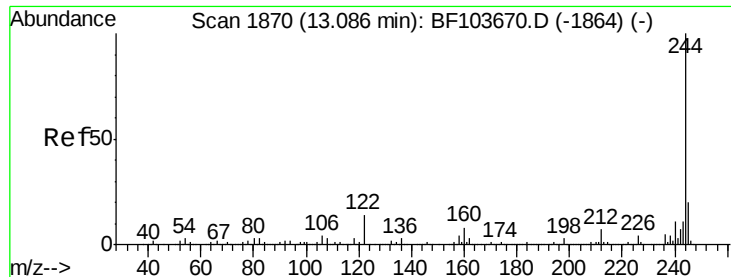


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

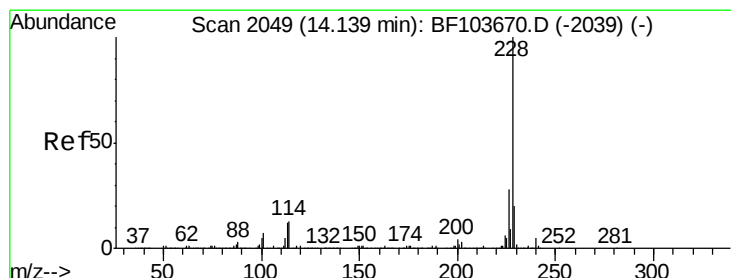
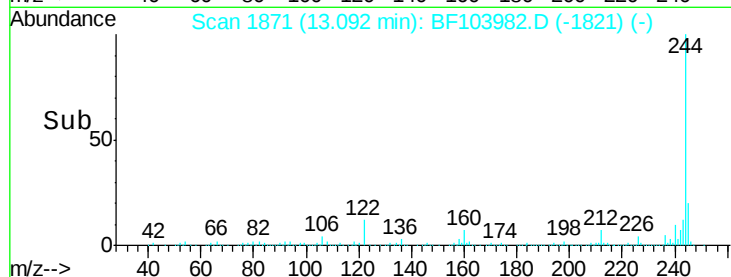
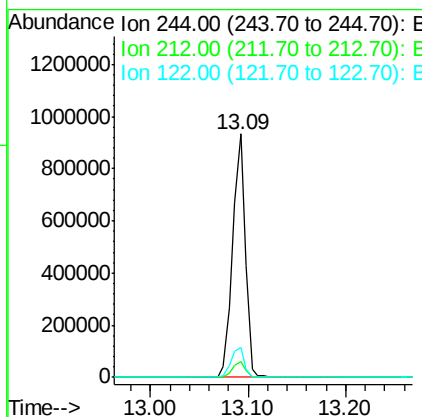
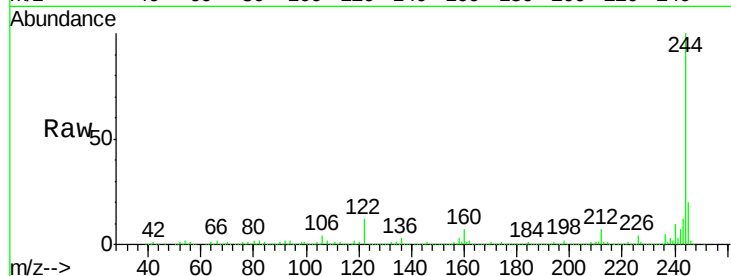




#78
 Terphenyl-d14
 Concen: 69.842 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

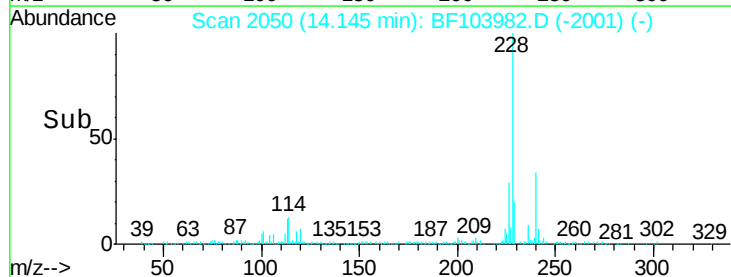
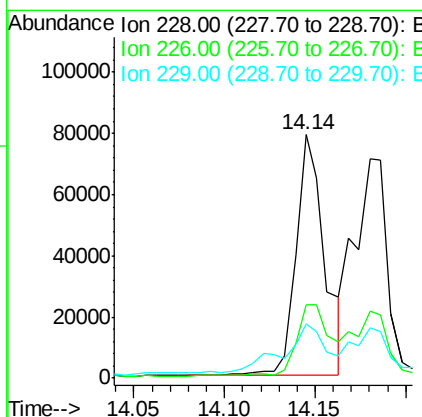
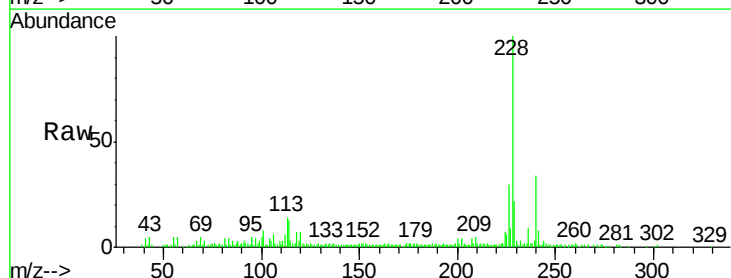
Instrument :
 BNA_F
 ClientSampleId :

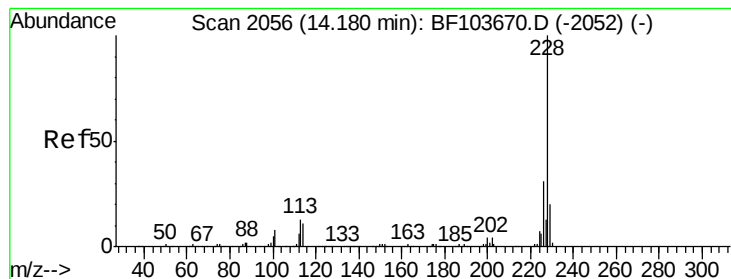
Tot Ion:244 Resp: 846526
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.893 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

Tgt Ion:228 Resp: 87146
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.6 33.8
 229 22.4 15.8 23.6





#82

Chrysene

Concen: 5.341 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.02 min

Lab File: BF103982.D

Acq: 27 Mar 2018 20:47

Instrument :

BNA_F

ClientSampled :

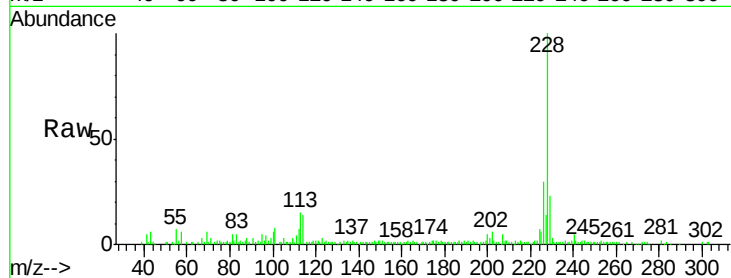
Tot Ion:228 Resp: 90662

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

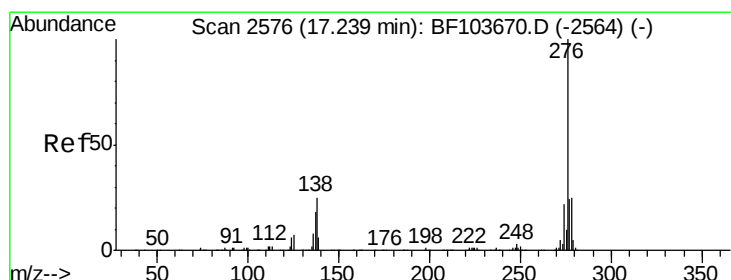
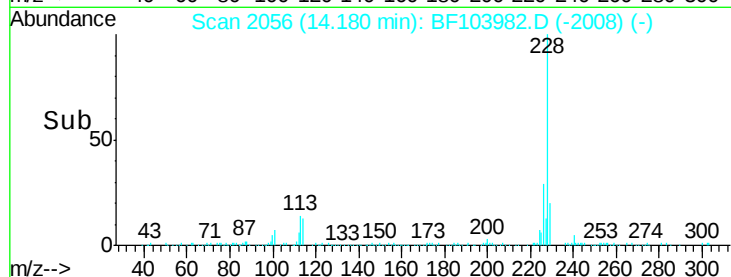
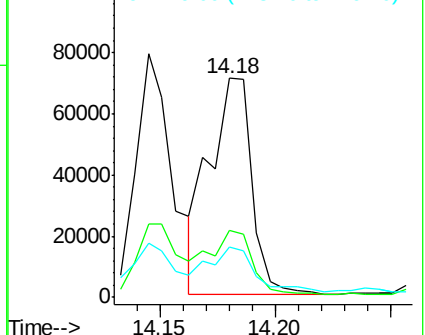
229 22.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.370 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.02 min

Lab File: BF103982.D

Acq: 27 Mar 2018 20:47

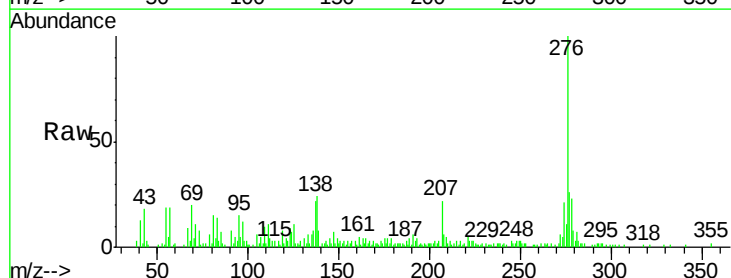
Tgt Ion:276 Resp: 49958

Ion Ratio Lower Upper

276 100

138 26.0 25.0 37.6

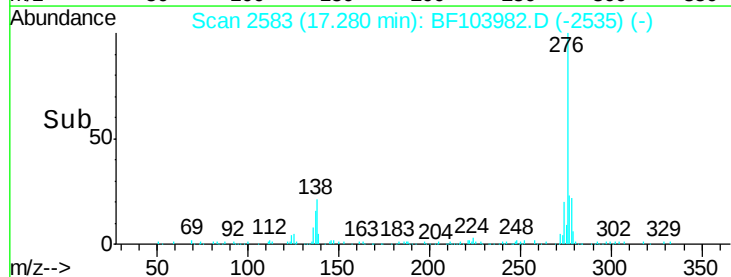
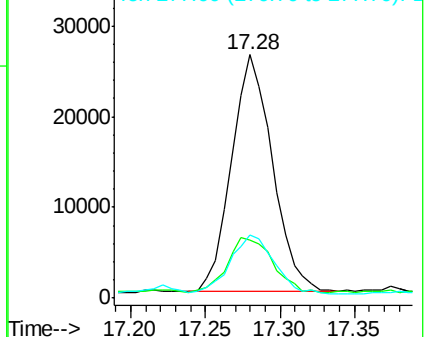
277 27.2 20.1 30.1

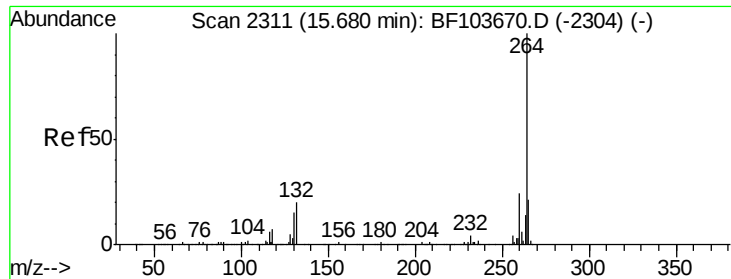


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

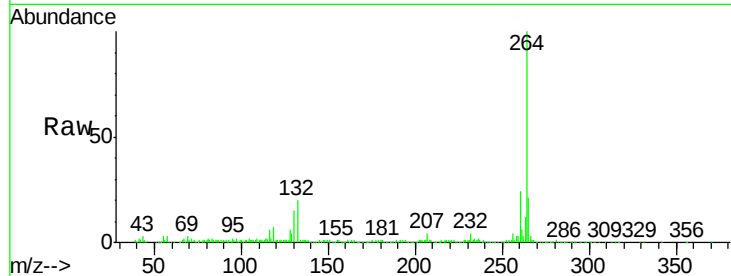




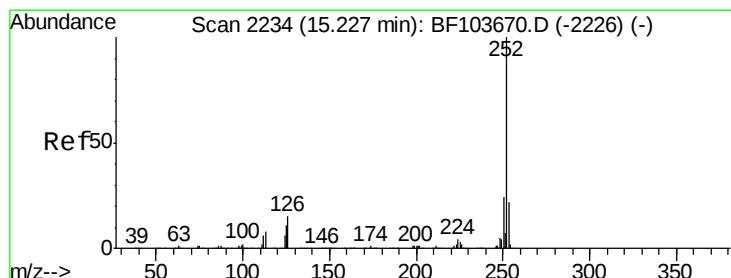
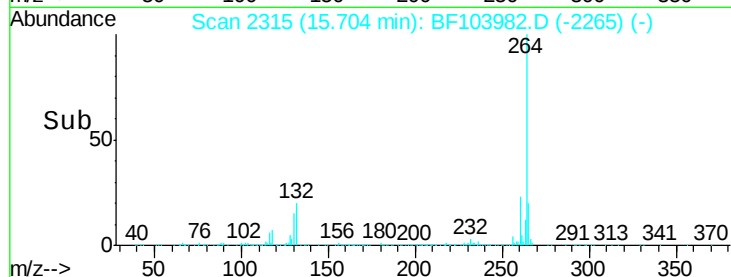
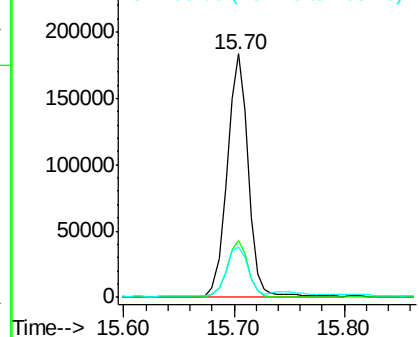
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.9	17.5	26.3

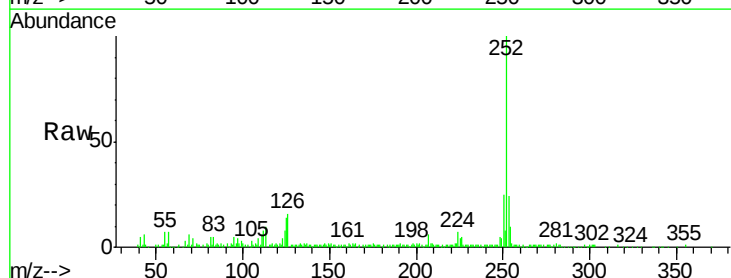


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

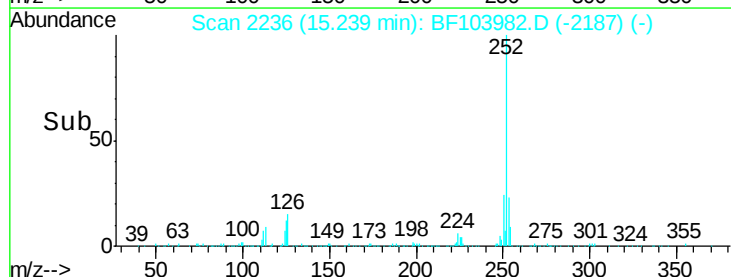
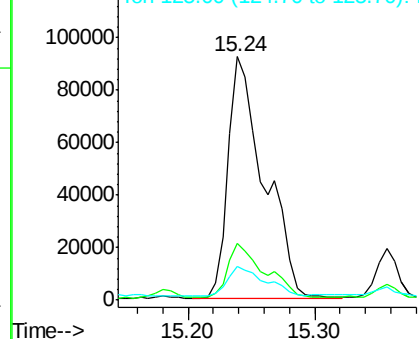


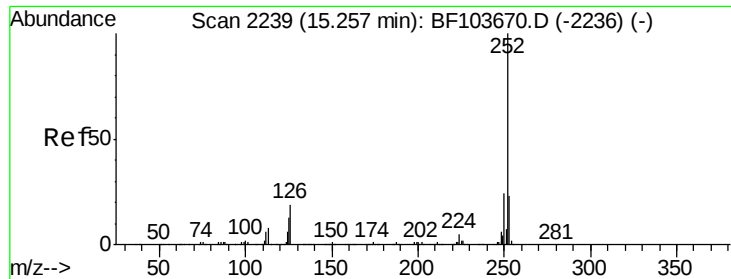
#87
Benzo(b)fluoranthene
Concen: 11.883 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	13.8	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

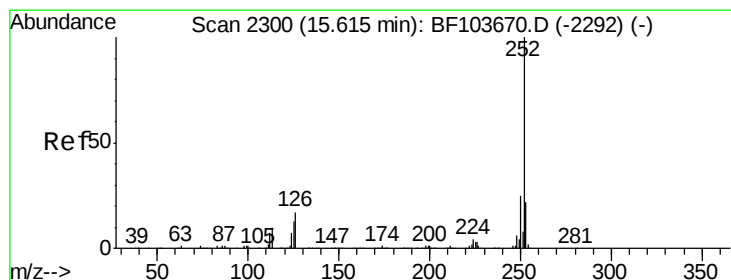
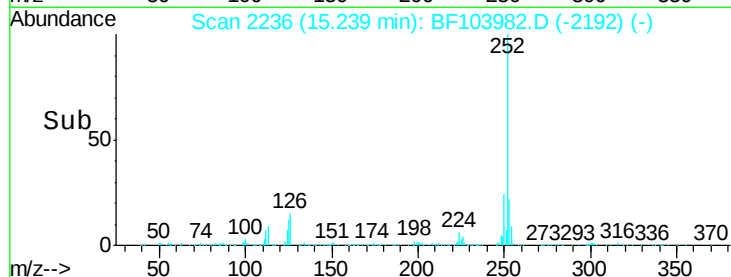
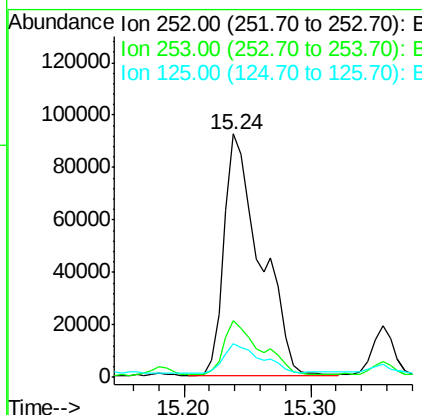
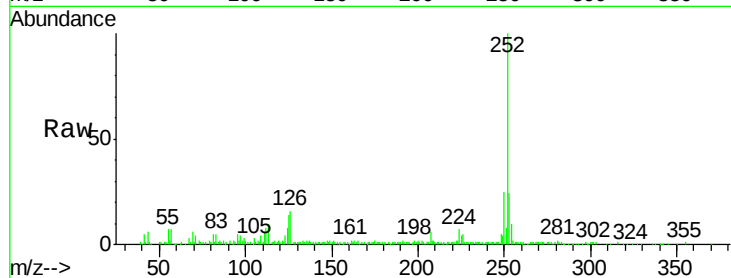




#88
Benzo(k)fluoranthene
Concen: 12.362 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.04 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

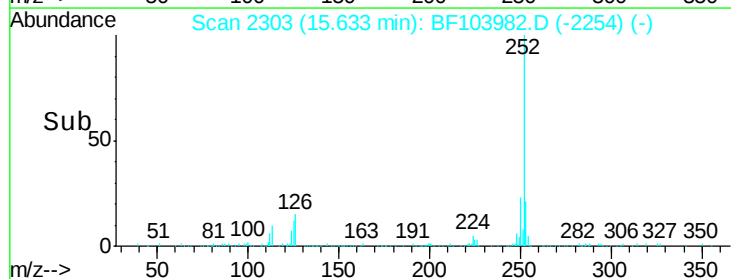
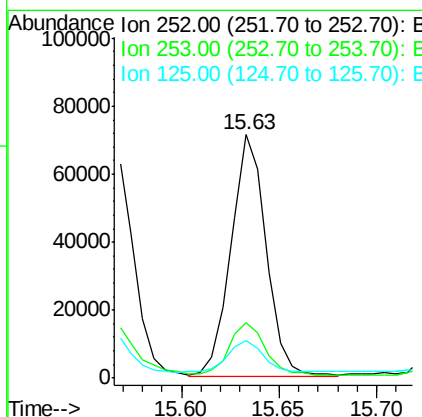
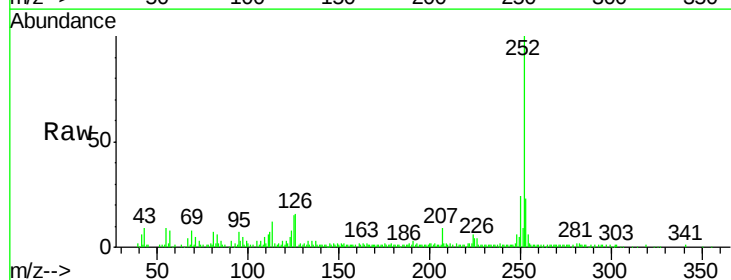
Instrument :
BNA_F
ClientSampleId :

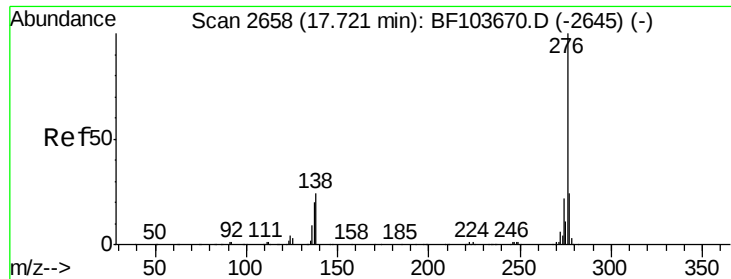
Tot Ion:252 Resp: 184298
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 13.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 6.298 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BF103982.D
Acq: 27 Mar 2018 20:47

Tgt Ion:252 Resp: 88598
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 15.5 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.400 ng
 RT: 17.76 min Scan# 2665
 Delta R.T. -0.02 min
 Lab File: BF103982.D
 Acq: 27 Mar 2018 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	28.8	21.8	32.8

