

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103772.D
 Acq On : 19 Mar 2018 22:45
 Operator : JU/SJ
 Sample : J1971-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 00:59:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	158636	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	605685	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	249211	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	382074	20.00	ng	0.00
75) Chrysene-d12	14.16	240	309447	20.00	ng	0.00
86) Perylene-d12	15.70	264	246536	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1226210	117.57	ng	0.02
7) Phenol-d6	6.60	99	1503781	117.85	ng	0.01
23) Nitrobenzene-d5	7.54	82	919058	105.82	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	286080	133.51	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1320592	84.53	ng	0.00
78) Terphenyl-d14	13.09	244	993755	74.54	ng	0.00

Target Compounds

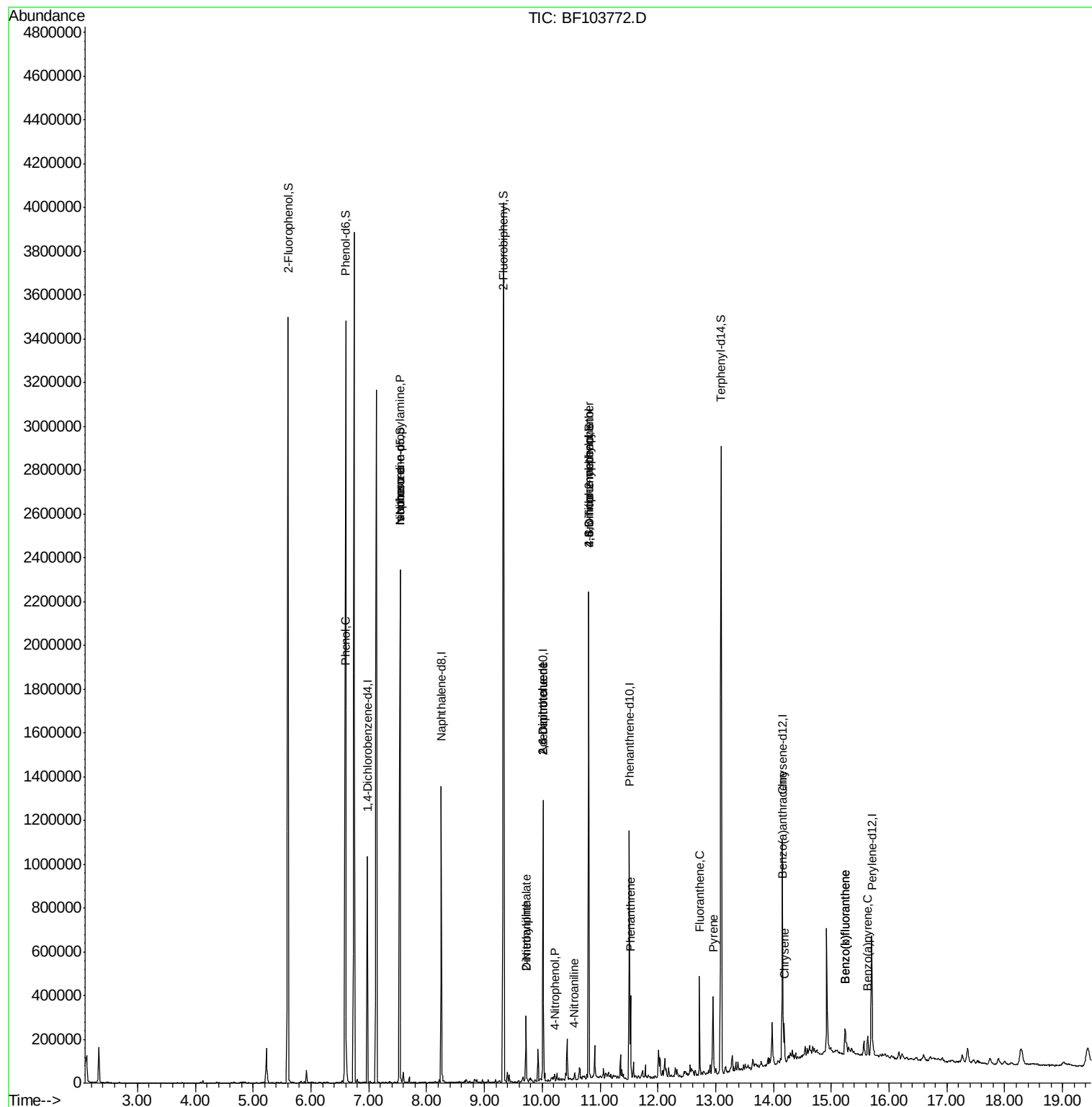
						Qvalue
10) Phenol	6.61	94	42003	3.098	ng	90
19) n-Nitroso-di-n-propylamine	7.53	70	119891	14.661	ng	# 74
25) Isophorone	7.54	82	919046	45.710	ng	# 64
47) 2-Nitroaniline	9.72	65	941	7.001	ng	# 1
49) Dimethylphthalate	9.72	163	99626	5.240	ng	99
50) 2,6-Dinitrotoluene	10.01	165	32143	11.998	ng	# 25
55) 4-Nitrophenol	10.22	139	2498	5.643	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	32143	12.219	ng	# 22
61) 4-Nitroaniline	10.56	138	238	3.801	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	551	8.549	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	17059	4.349	ng	# 1
70) Phenanthrene	11.53	178	120452	5.763	ng	99
74) Fluoranthene	12.72	202	148635	6.903	ng	99
77) Pyrene	12.96	202	139699	6.147	ng	97
80) Benzo(a)anthracene	14.15	228	70793	3.614	ng	99
82) Chrysene	14.19	228	69739	3.735	ng	97
87) Benzo(b)fluoranthene	15.24	252	85806	5.509	ng	97
88) Benzo(k)fluoranthene	15.24	252	85806	5.731	ng	99
89) Benzo(a)pyrene	15.63	252	42934	3.039	ng	# 94

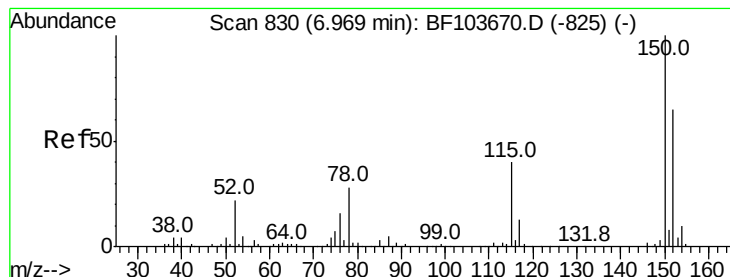
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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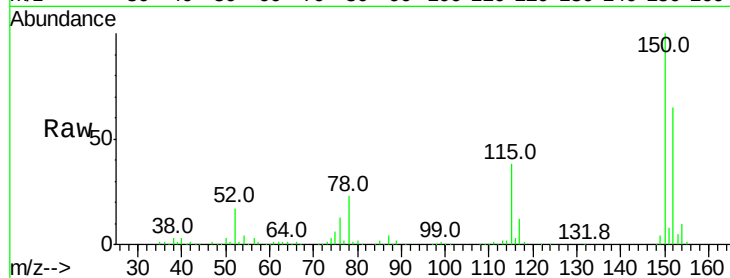


#1

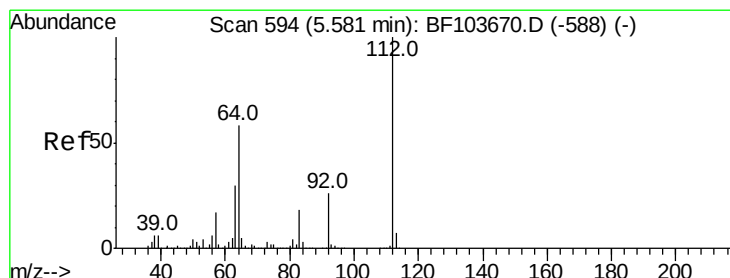
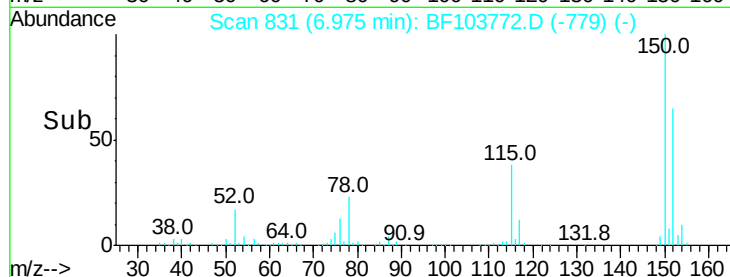
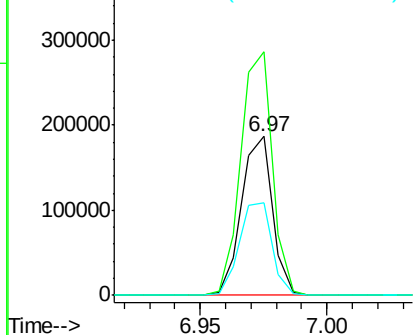
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103772.D
Acq: 19 Mar 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	58.7	50.1	75.1



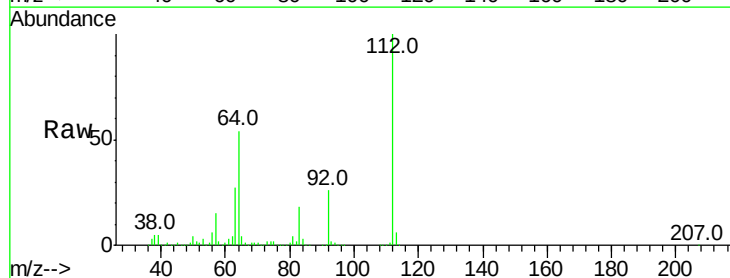
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



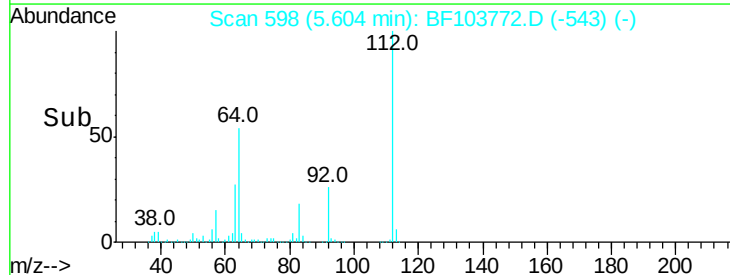
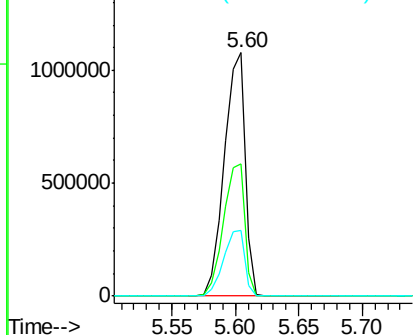
#5

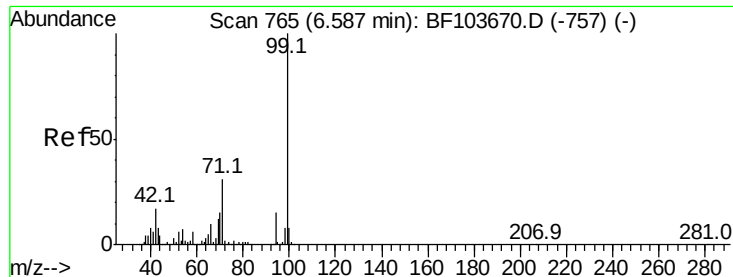
2-Fluorophenol
Concen: 117.568 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103772.D
Acq: 19 Mar 2018 22:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	27.2	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: 117.851 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

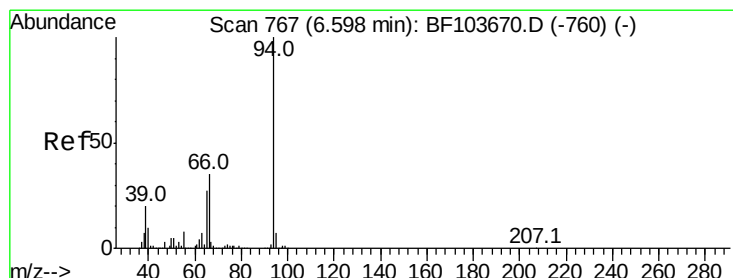
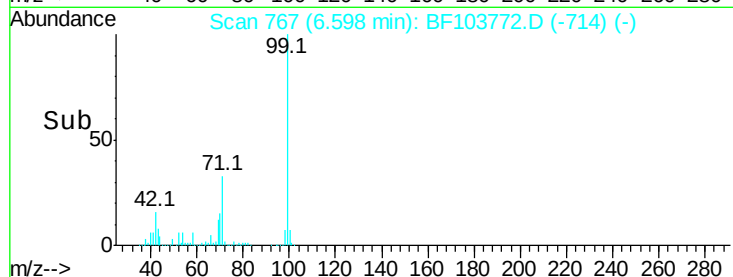
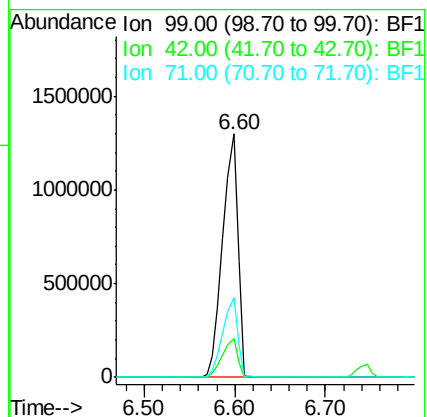
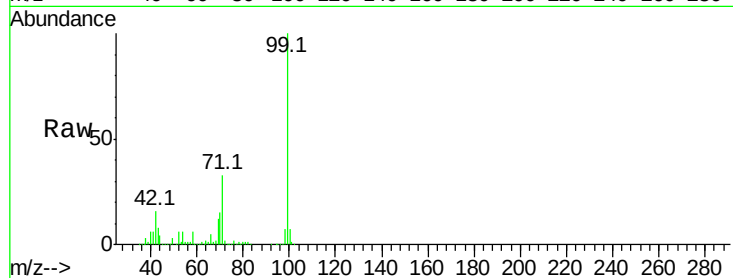
Tot Ion: 99 Resp: 1503781

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	32.9	25.4	38.0

99 100

42 16.1 14.5 21.7

71 32.9 25.4 38.0



#10

Phenol

Concen: 3.098 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

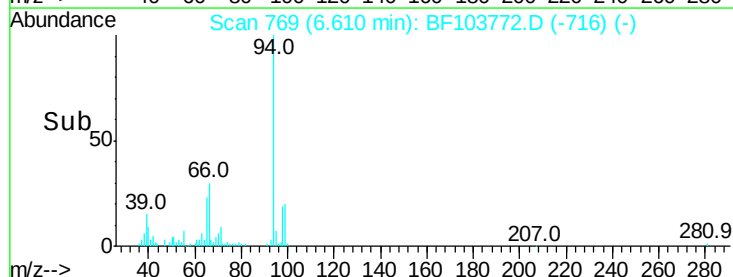
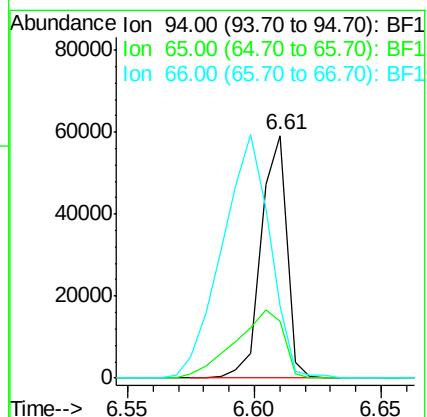
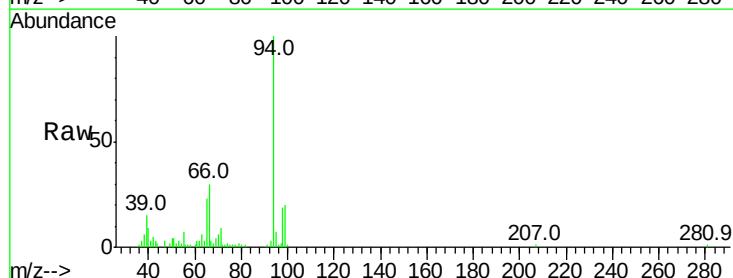
Tgt Ion: 94 Resp: 42003

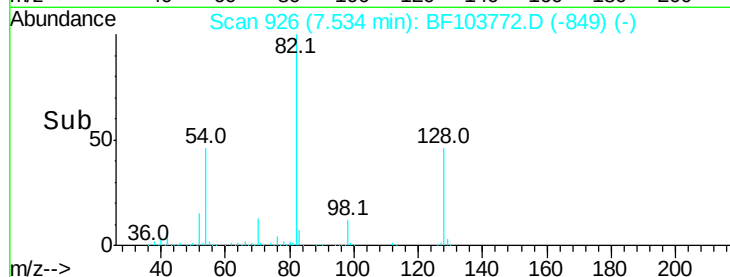
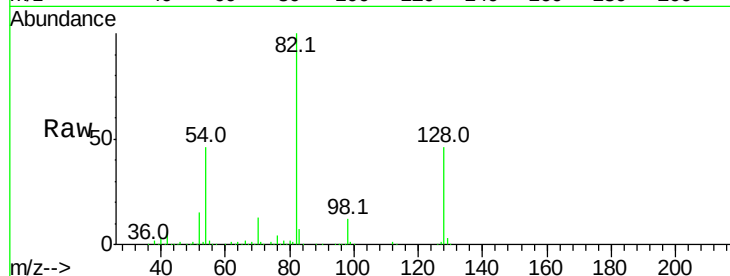
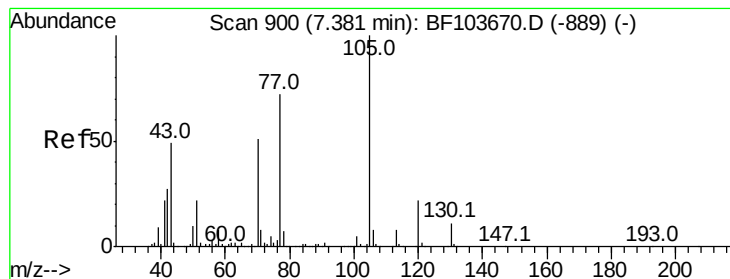
Ion	Ratio	Lower	Upper
94	100		
65	23.2	7.9	47.9
66	29.9	16.2	56.2

94 100

65 23.2 7.9 47.9

66 29.9 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 14.661 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 119891

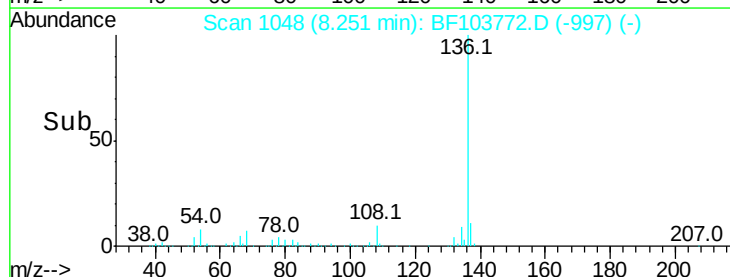
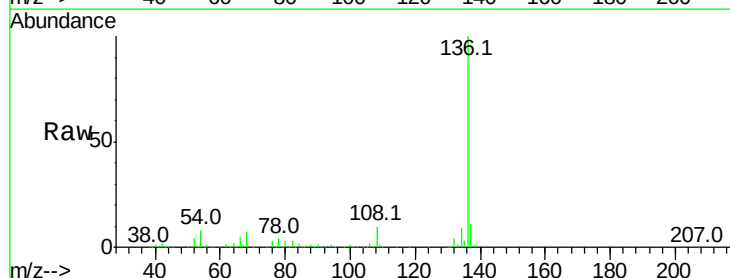
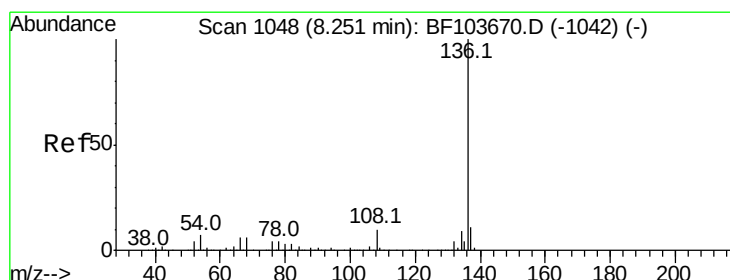
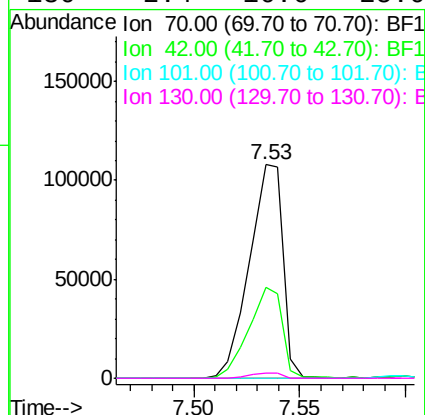
Ion Ratio Lower Upper

70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Tgt Ion: 136 Resp: 605685

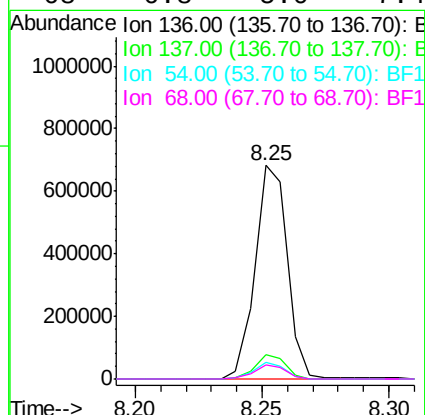
Ion Ratio Lower Upper

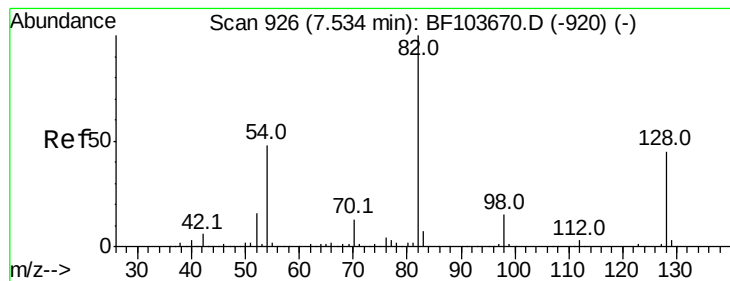
136 100

137 11.3 8.9 13.3

54 7.6 6.6 9.8

68 6.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 105.816 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

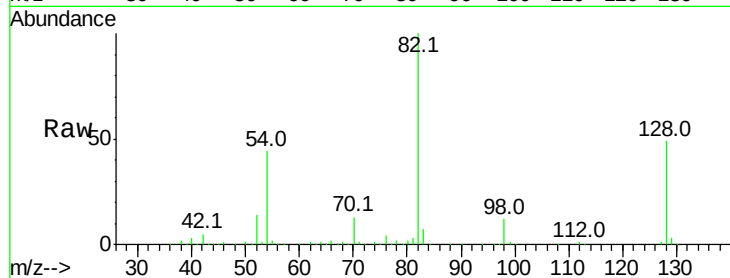
Tot Ion: 82 Resp: 919058

Ion Ratio Lower Upper

82 100

128 49.4 36.1 54.1

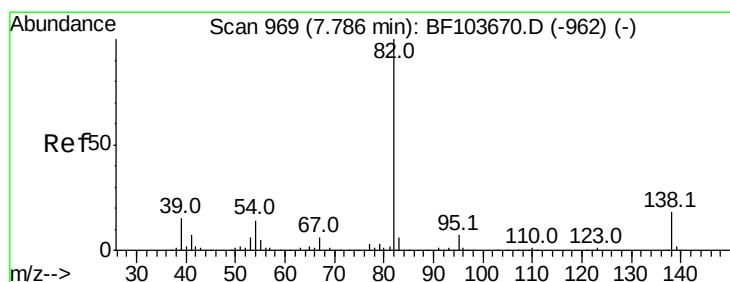
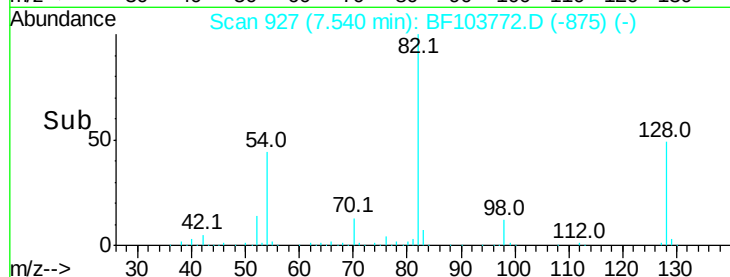
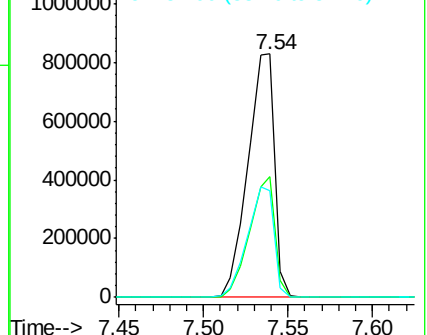
54 43.6 41.4 62.2



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: 45.710 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

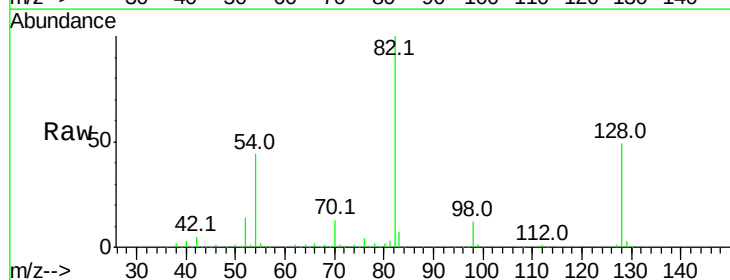
Tgt Ion: 82 Resp: 919046

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

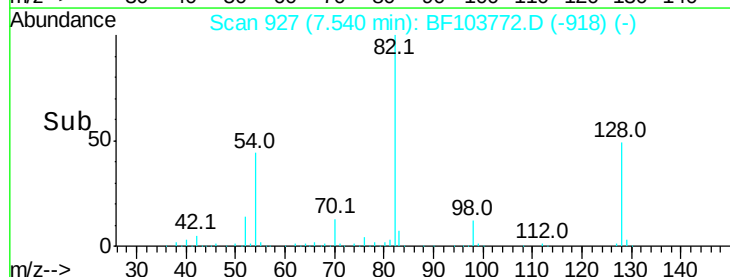
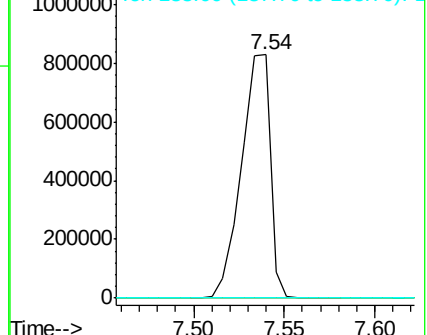
138 0.0 14.9 22.3#

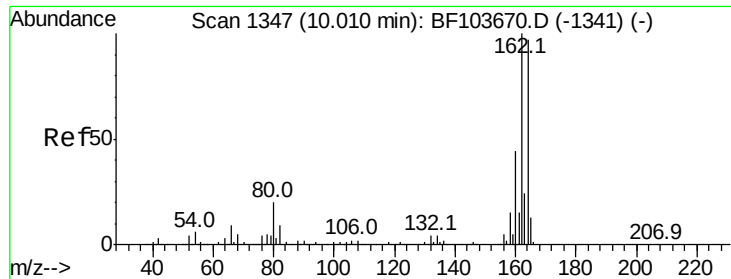


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

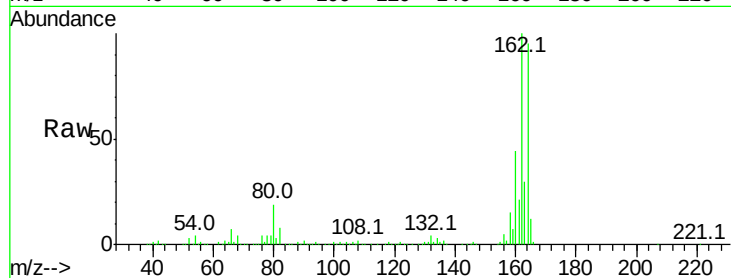
Tot Ion:164 Resp: 249211

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

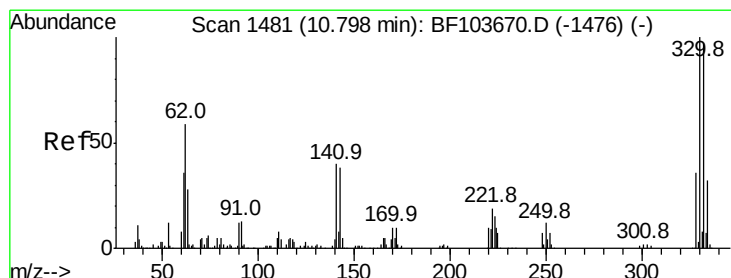
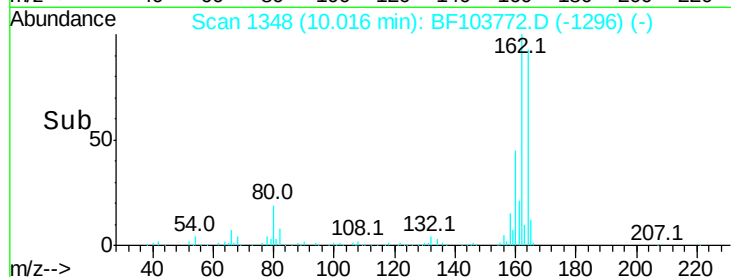
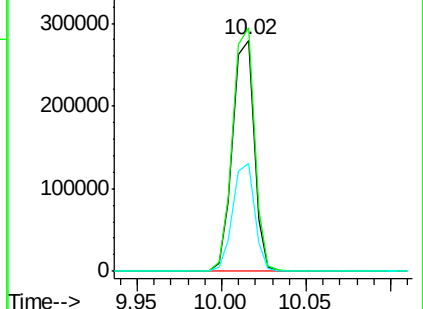
160 46.9 38.3 57.5



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: 133.512 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

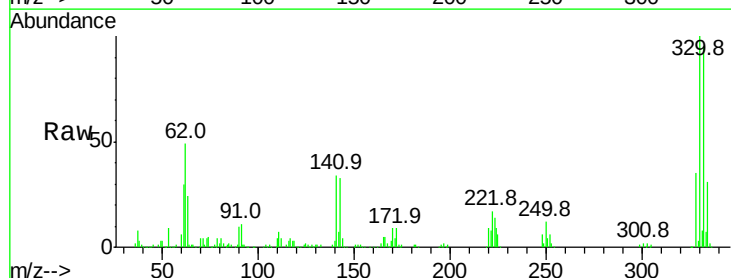
Tgt Ion:330 Resp: 286080

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

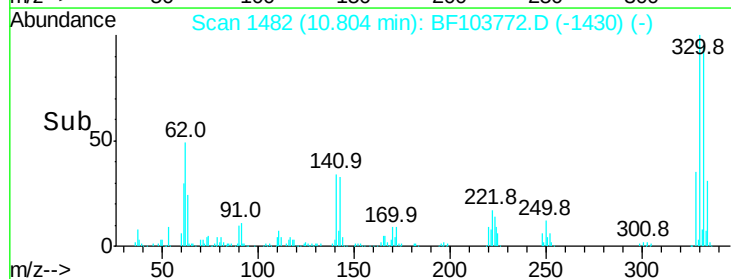
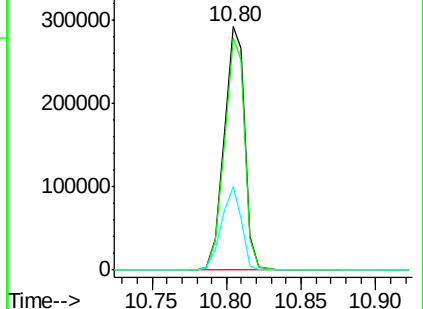
141 33.5 29.9 44.9

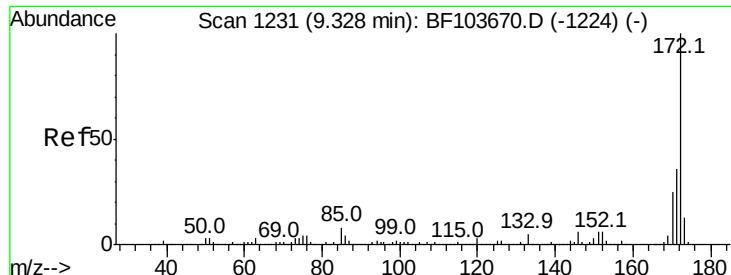


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



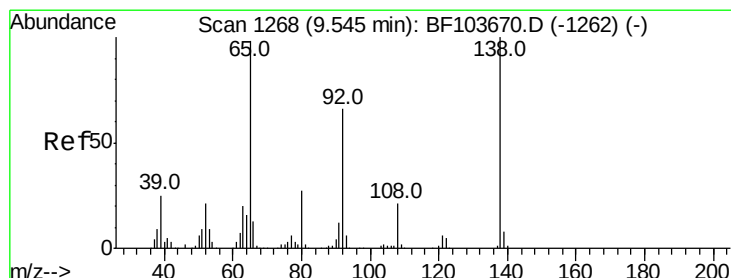
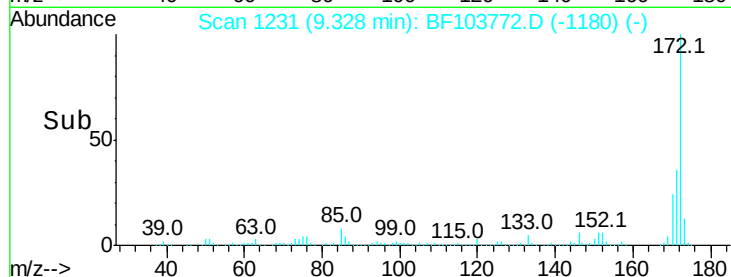
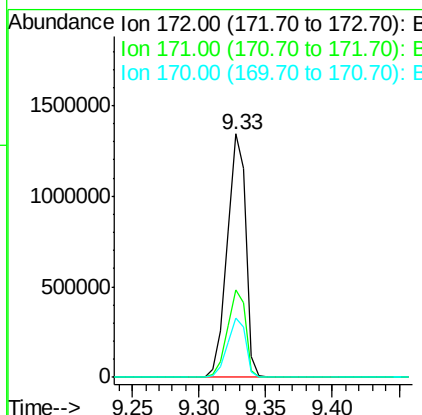
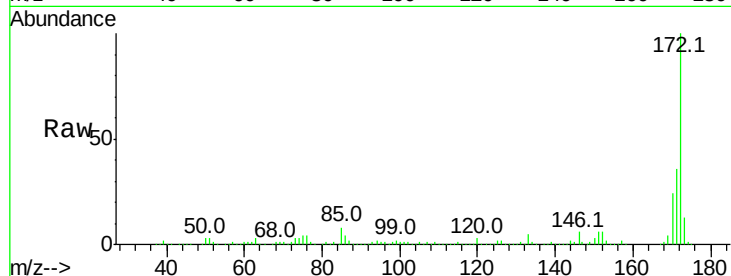


#44
 2-Fluorobiphenyl
 Concen: 84.528 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103772.D
 Acq: 19 Mar 2018 22:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1320592

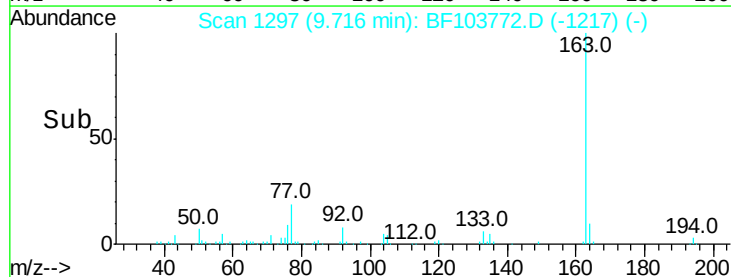
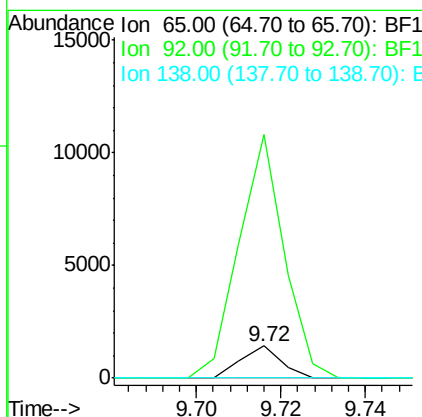
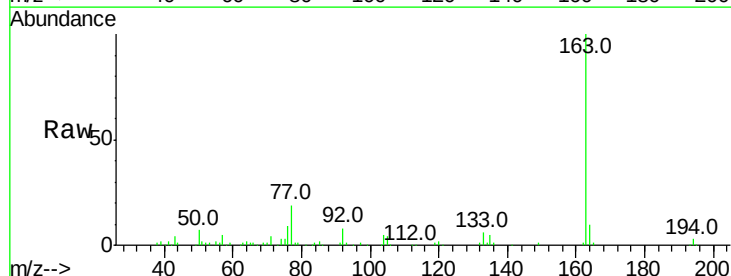
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.2	19.6	29.4

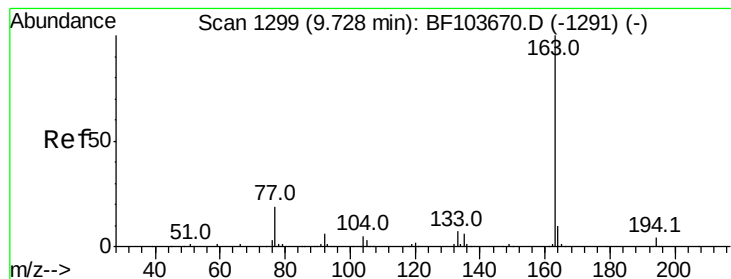


#47
 2-Nitroaniline
 Concen: 7.001 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.17 min
 Lab File: BF103772.D
 Acq: 19 Mar 2018 22:45

Tgt Ion: 65 Resp: 941

Ion	Ratio	Lower	Upper
65	100		
92	754.2	55.8	83.6#
138	0.0	91.2	136.8#





#49

Dimethylphthalate

Concen: 5.240 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

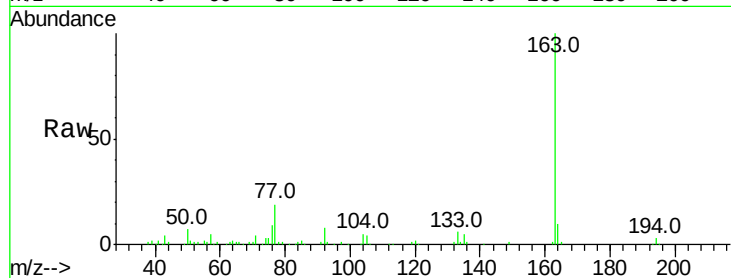
Tot Ion:163 Resp: 99626

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

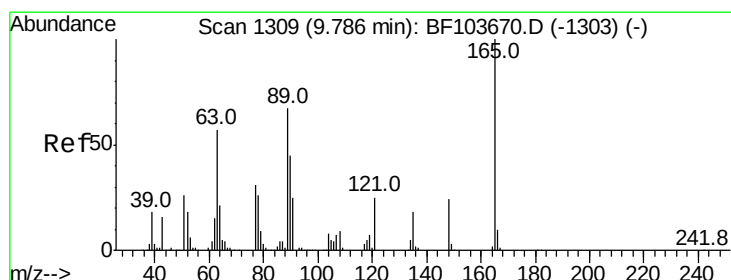
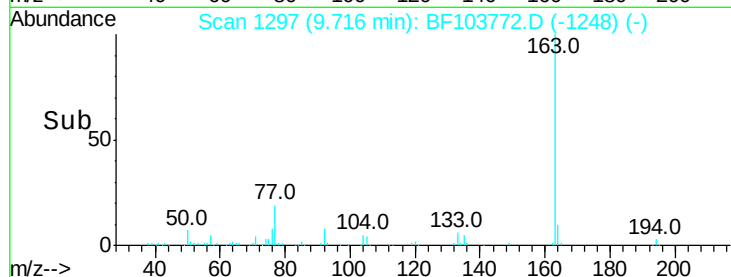
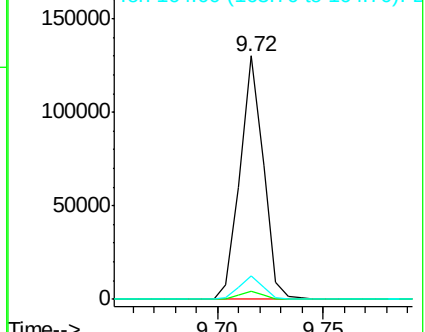
164 9.8 8.2 12.2



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: 11.998 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

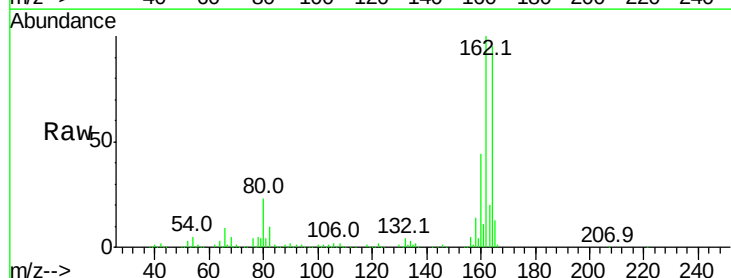
Tgt Ion:165 Resp: 32143

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

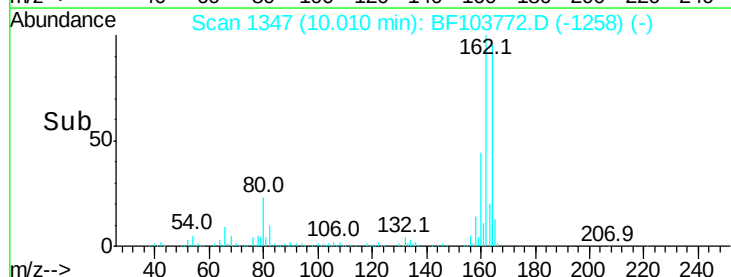
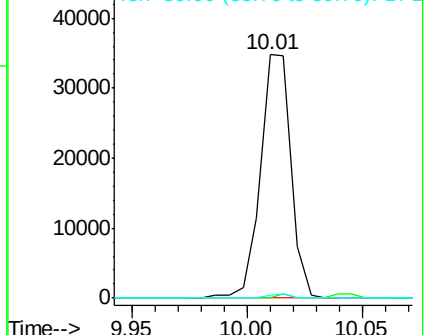
89 1.4 44.0 66.0#

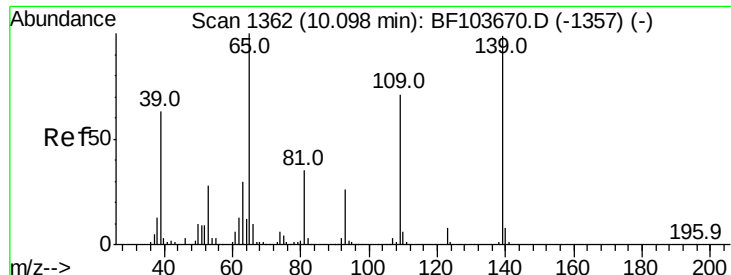


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 5.643 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.12 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

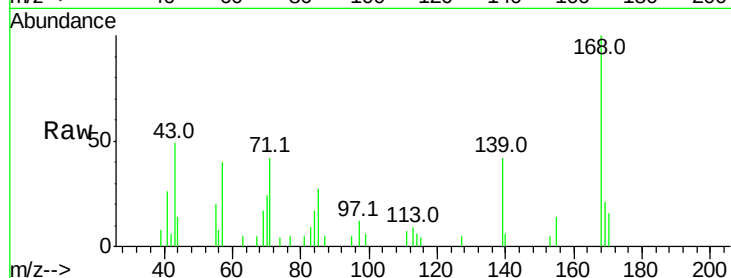
Tot Ion:139 Resp: 2498

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

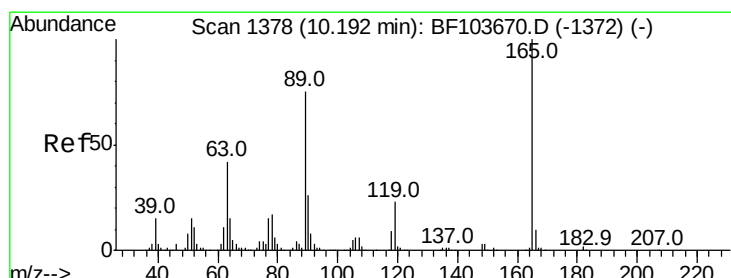
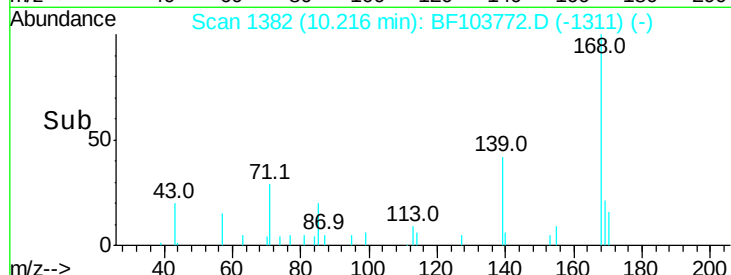
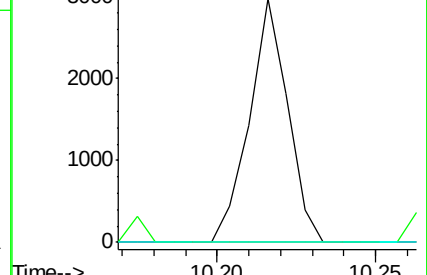
65 0.0 72.6 112.6#



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: 12.219 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Tgt Ion:165 Resp: 32143

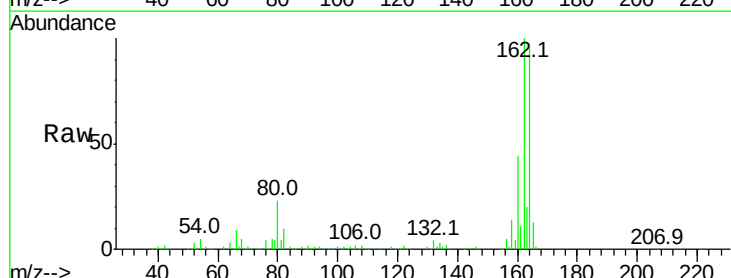
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

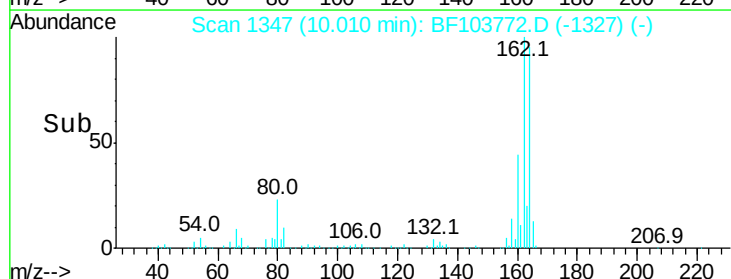
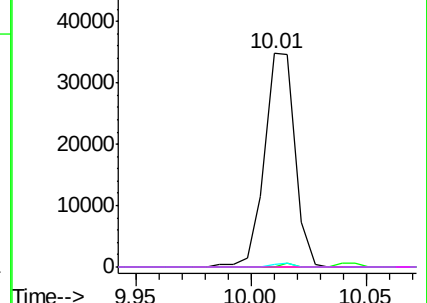


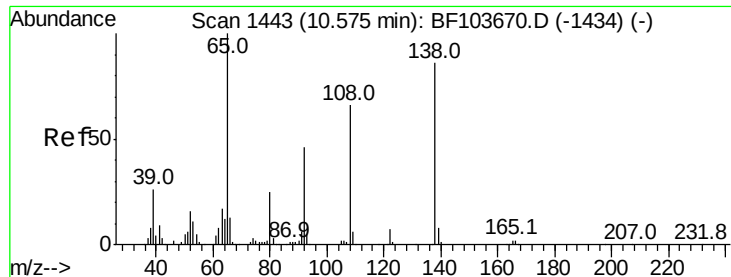
Abundance Ion 165.00 (164.70 to 165.70): E

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

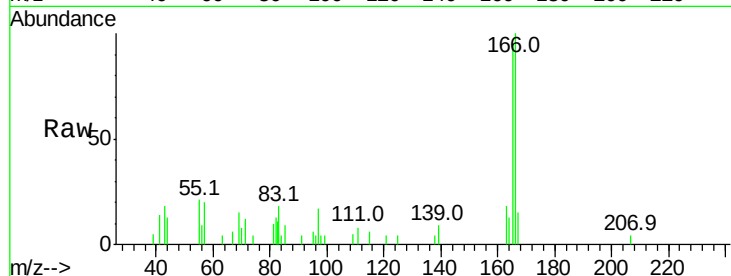




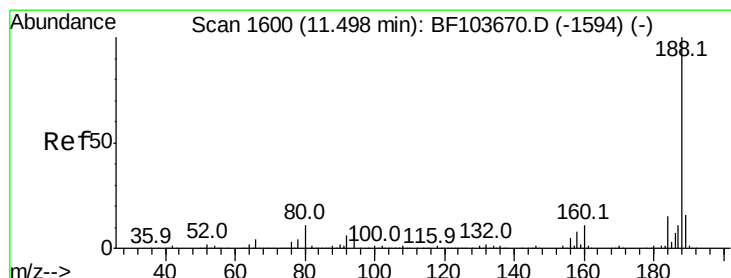
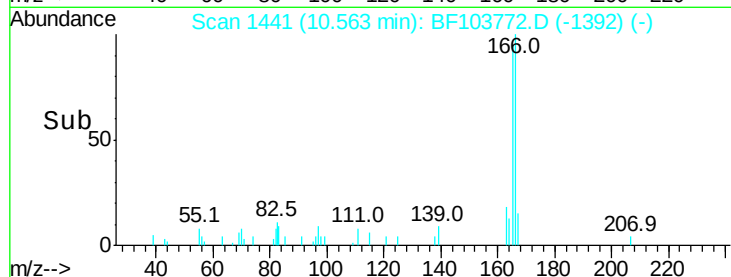
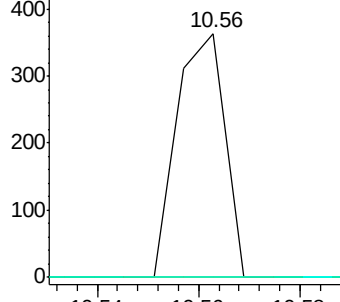
#61
4-Nitroaniline
Concen: 3.801 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103772.D
Acq: 19 Mar 2018 22:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:138 Resp: 238
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#

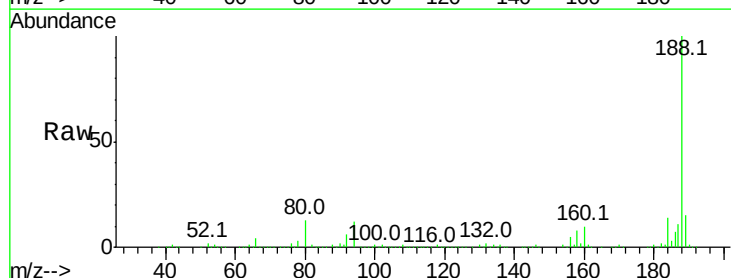


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

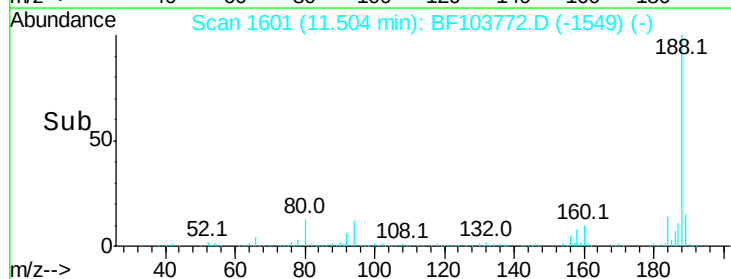
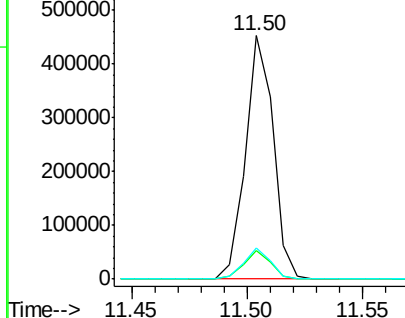


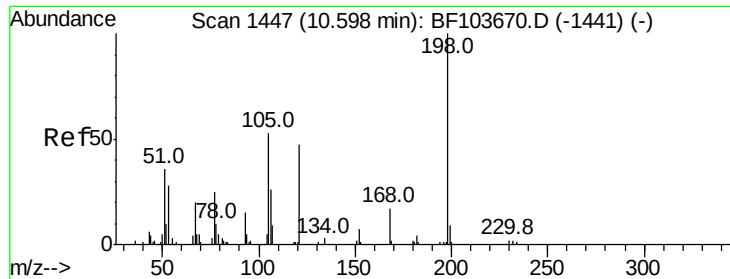
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103772.D
Acq: 19 Mar 2018 22:45

Tgt Ion:188 Resp: 382074
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.5 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

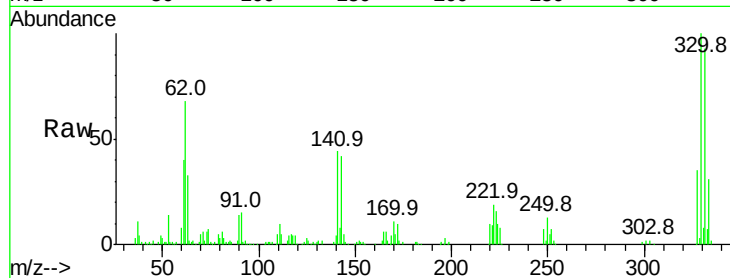




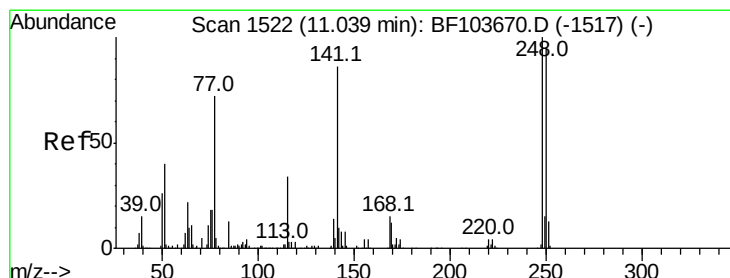
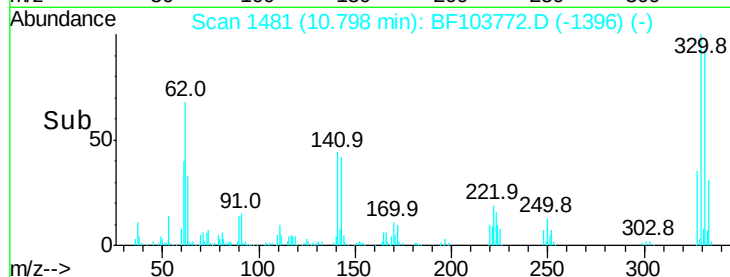
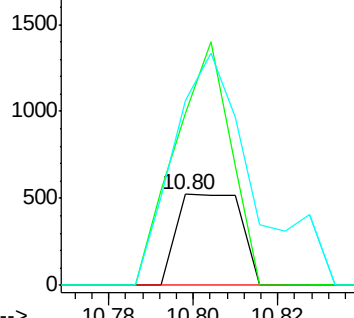
#64
4,6-Dinitro-2-methylphenol
Concen: 8.549 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.20 min
Lab File: BF103772.D
Acq: 19 Mar 2018 22:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 551
Ion Ratio Lower Upper
198 100
51 189.3 37.7 77.7#
105 203.3 36.3 76.3#

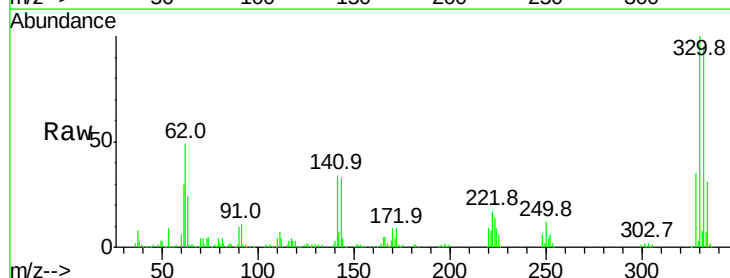


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

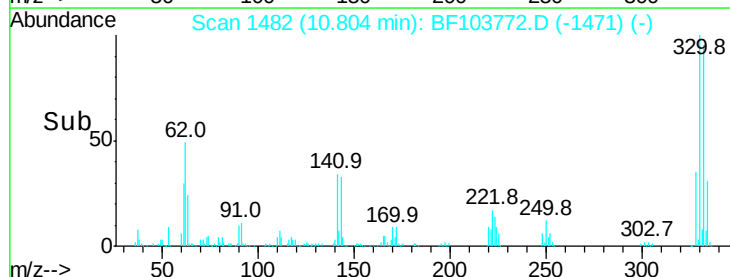
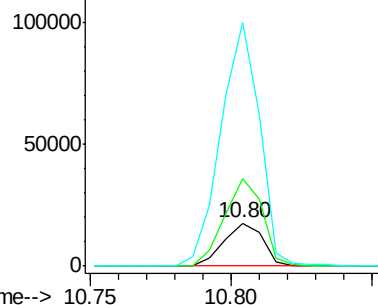


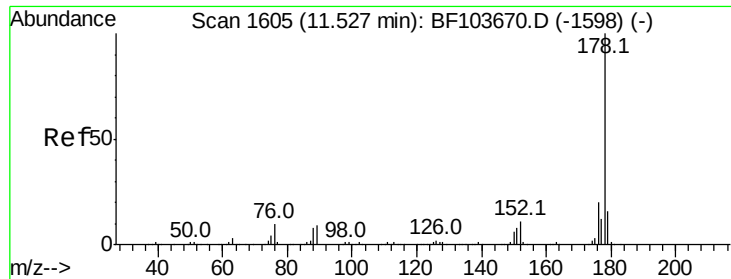
#66
4-Bromophenyl-phenylether
Concen: 4.349 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103772.D
Acq: 19 Mar 2018 22:45

Tgt Ion:248 Resp: 17059
Ion Ratio Lower Upper
248 100
250 203.2 76.9 115.3#
141 564.3 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: 5.763 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

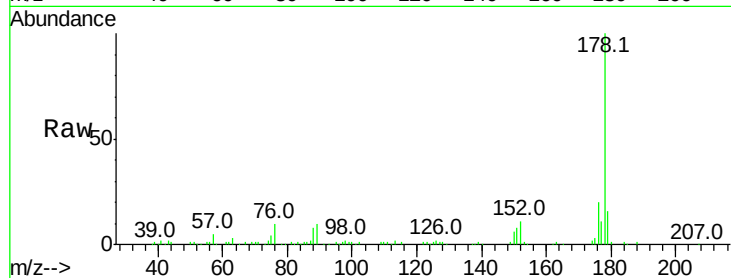
Tot Ion:178 Resp: 120452

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

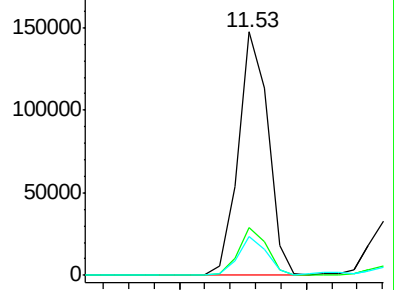
179 15.9 13.0 19.6



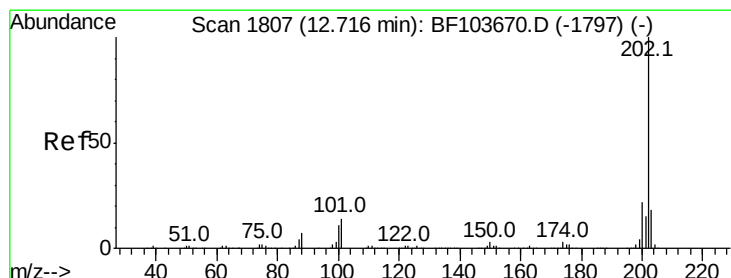
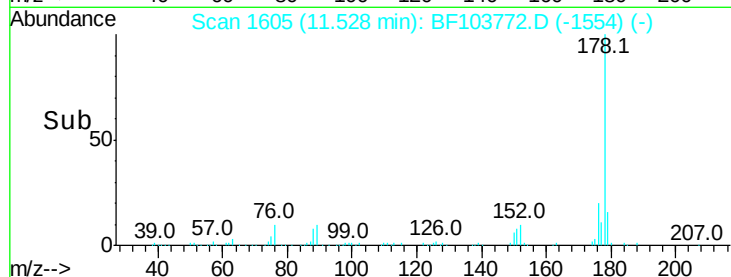
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 6.903 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

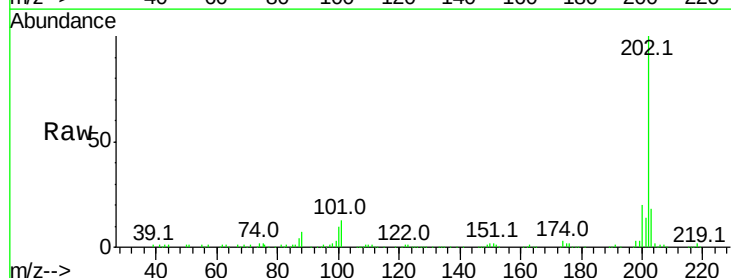
Tgt Ion:202 Resp: 148635

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

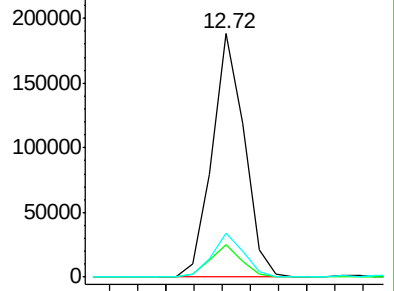
203 17.9 0.0 38.1



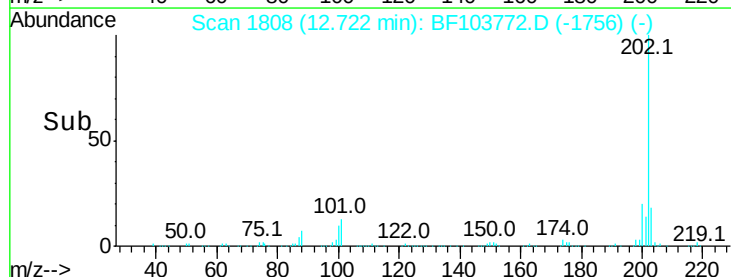
Abundance Ion 202.00 (201.70 to 202.70): E

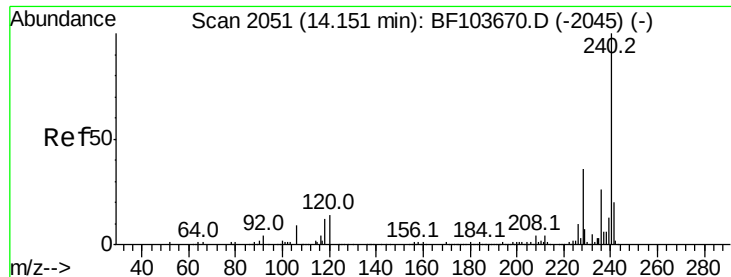
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

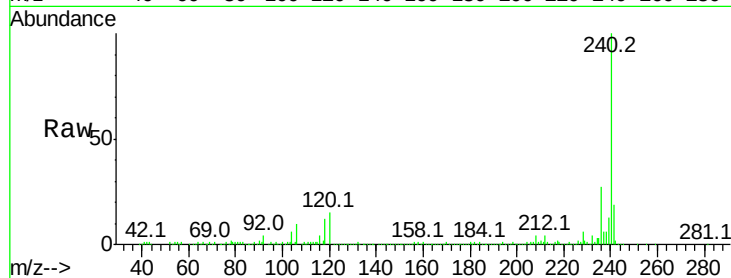
Tot Ion:240 Resp: 309447

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

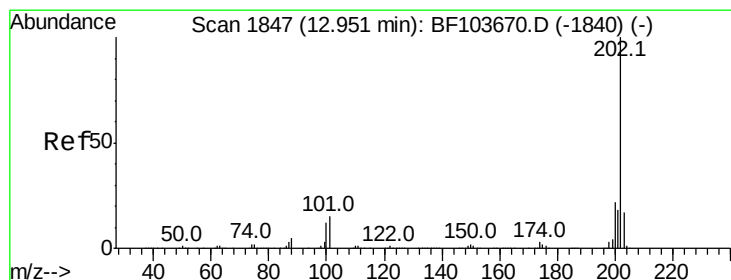
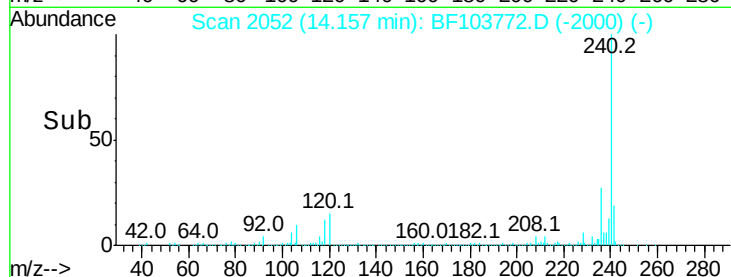
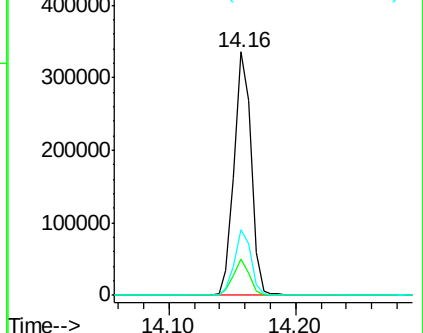
236 26.8 20.7 31.1



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: 6.147 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

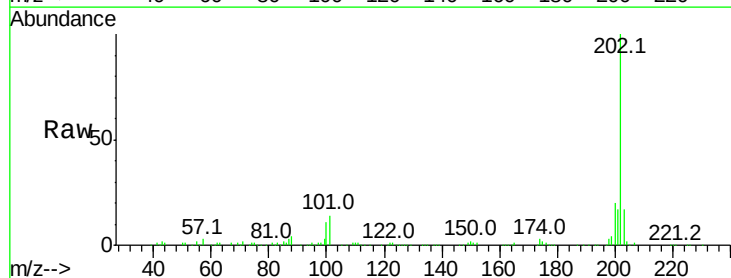
Tgt Ion:202 Resp: 139699

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

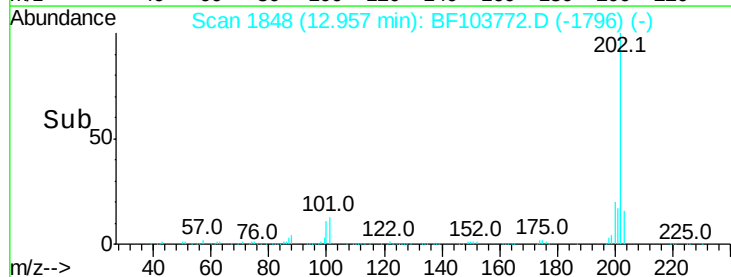
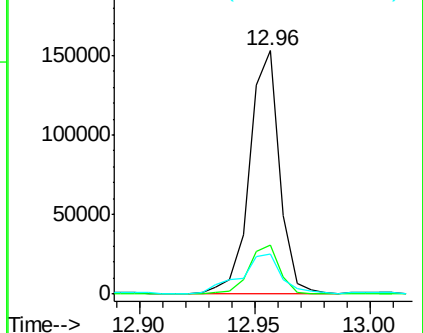
203 16.6 14.3 21.5

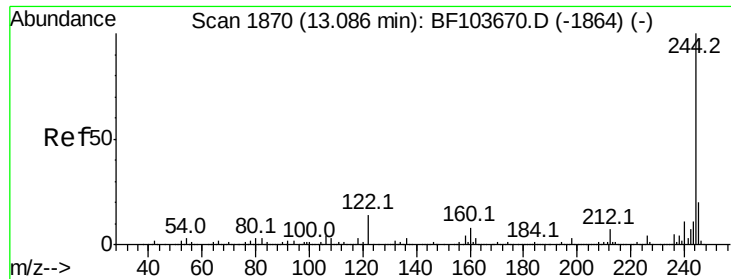


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

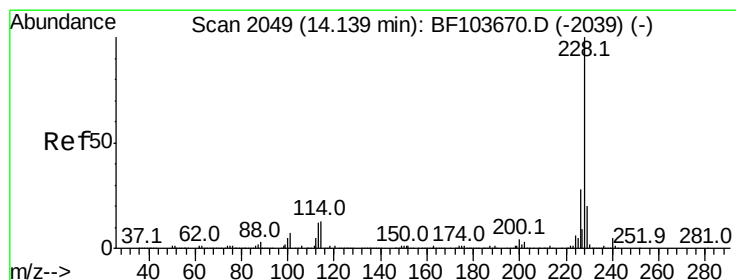
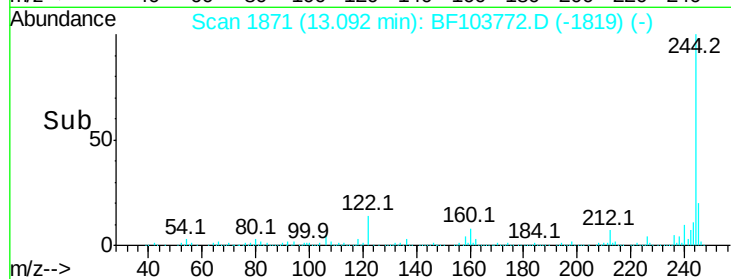
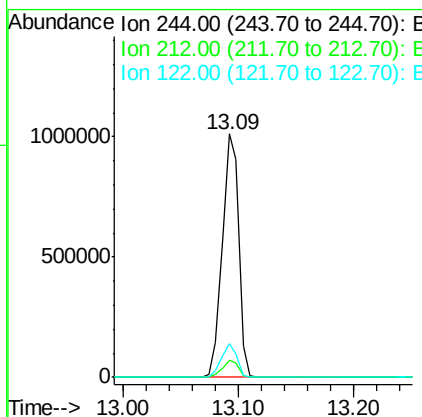
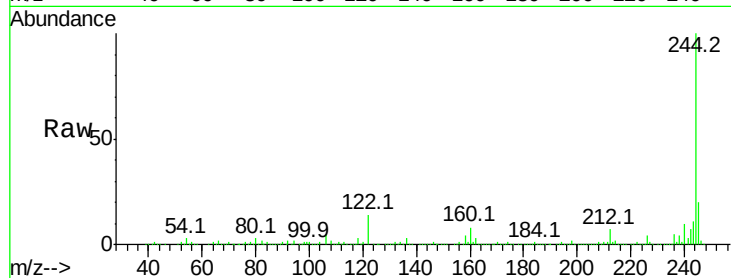




#78
 Terphenyl-d14
 Concen: 74.541 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103772.D
 Acq: 19 Mar 2018 22:45

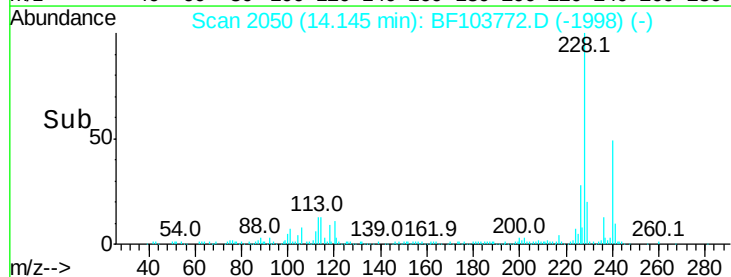
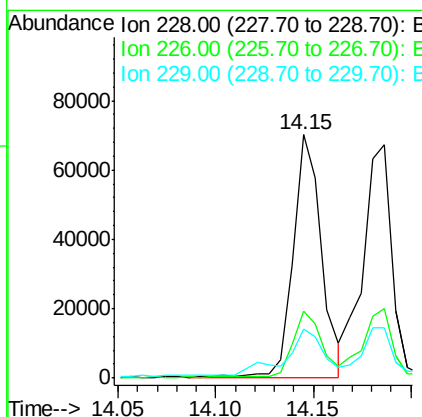
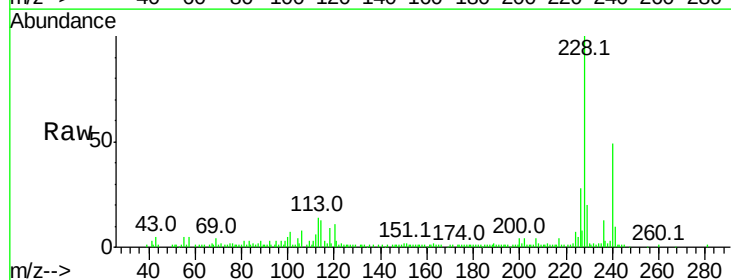
Instrument :
 BNA_F
 ClientSampled :

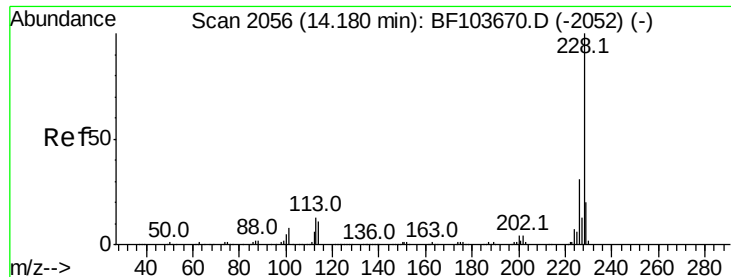
Tot Ion:244 Resp: 993755
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.614 ng
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: BF103772.D
 Acq: 19 Mar 2018 22:45

Tgt Ion:228 Resp: 70793
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.6 33.8
 229 20.3 15.8 23.6





#82

Chrysene

Concen: 3.735 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

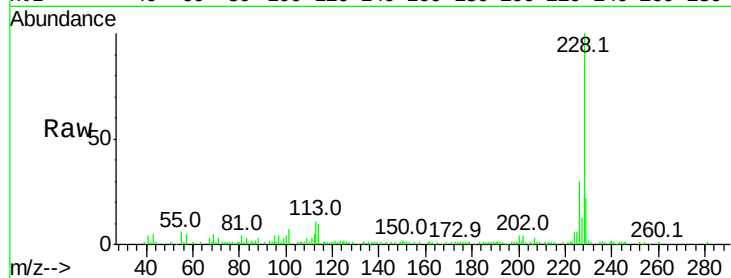
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 69739

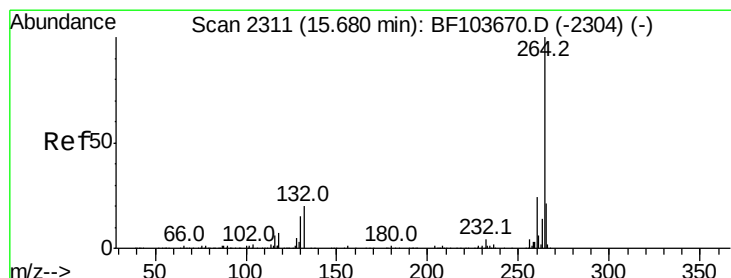
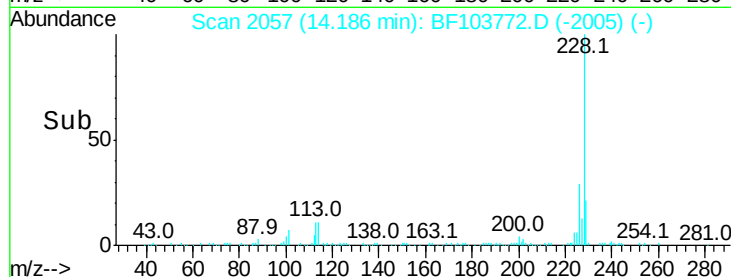
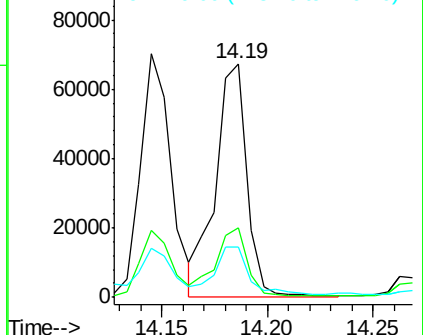
Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.8	16.2	24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

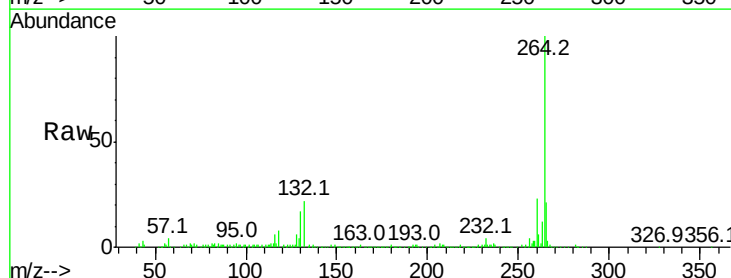
Delta R.T. 0.02 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Tgt Ion:264 Resp: 246536

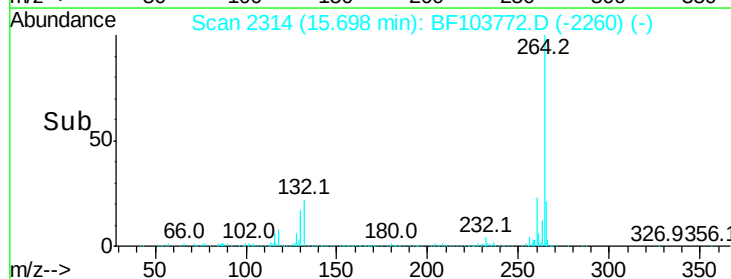
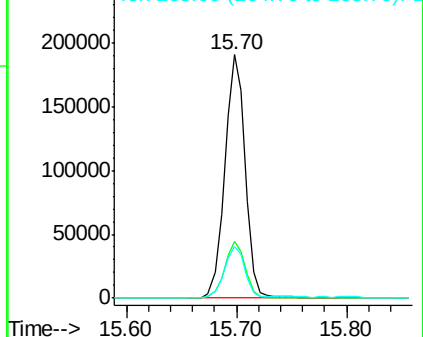
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.1	17.5	26.3

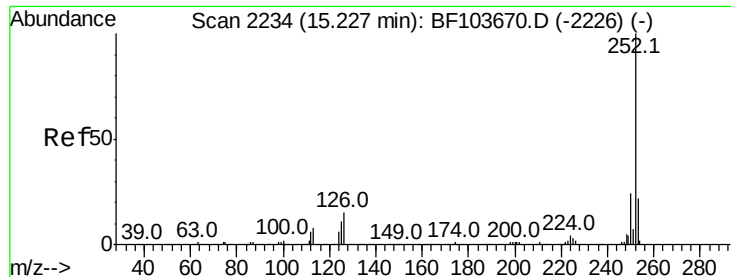


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

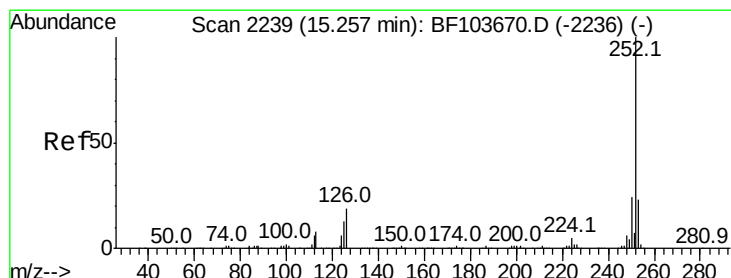
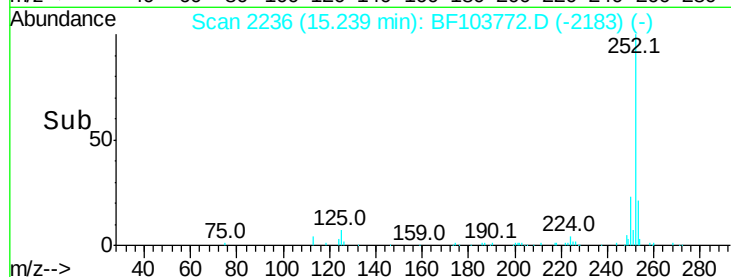
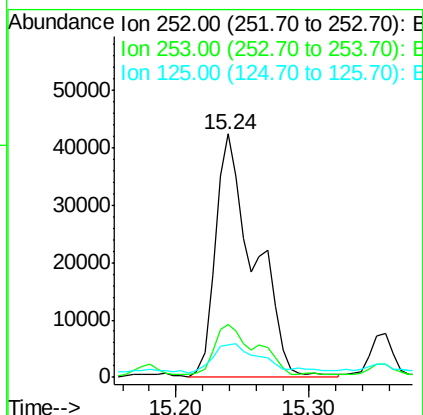
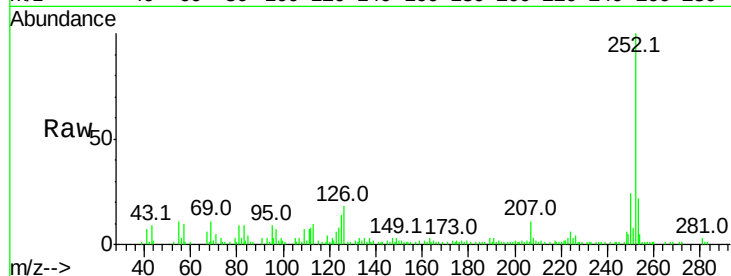




#87
Benzo(b)fluoranthene
Concen: 5.509 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF103772.D
Acq: 19 Mar 2018 22:45

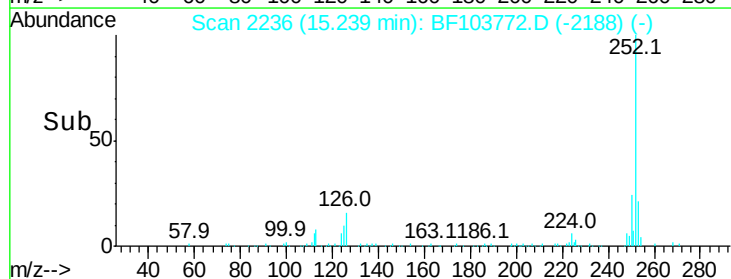
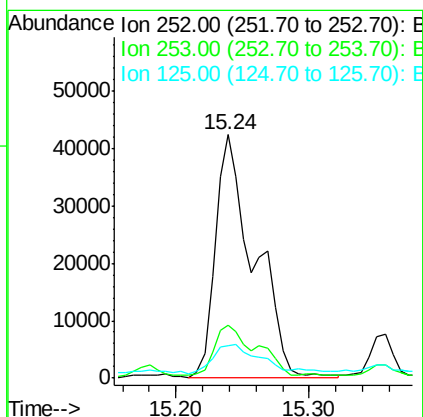
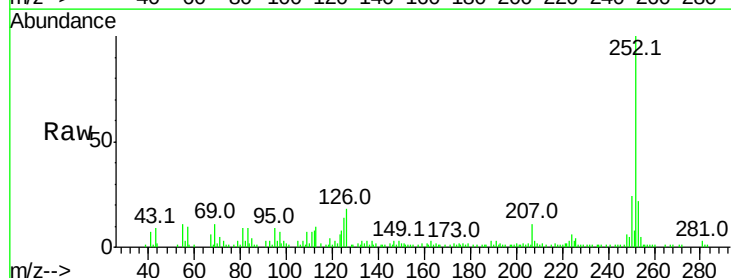
Instrument :
BNA_F
ClientSampleId :

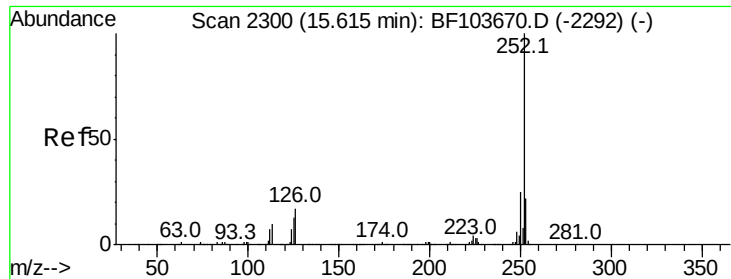
Tot Ion:252 Resp: 85806
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 13.5 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 5.731 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF103772.D
Acq: 19 Mar 2018 22:45

Tgt Ion:252 Resp: 85806
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 13.5 10.2 15.2





#89

Benzo(a)pyrene

Concen: 3.039 ng

RT: 15.63 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BF103772.D

Acq: 19 Mar 2018 22:45

Instrument :

BNA_F

ClientSampleId :

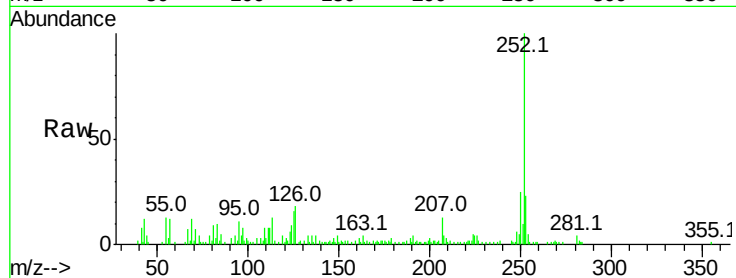
Tot Ion:252 Resp: 42934

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 16.1 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

