

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103727.D
 Acq On : 17 Mar 2018 7:41
 Operator : JU/SJ
 Sample : J1885-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 07:00:33 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	161134	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	629169	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	253717	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	357775	20.00	ng	0.00
75) Chrysene-d12	14.16	240	315487	20.00	ng	0.00
86) Perylene-d12	15.69	264	252577	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1029872	97.21	ng	0.02
7) Phenol-d6	6.59	99	1262565	97.41	ng	0.00
23) Nitrobenzene-d5	7.53	82	753067	83.47	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	200897	92.09	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1085611	68.25	ng	0.00
78) Terphenyl-d14	13.09	244	697903	51.35	ng	0.00

Target Compounds

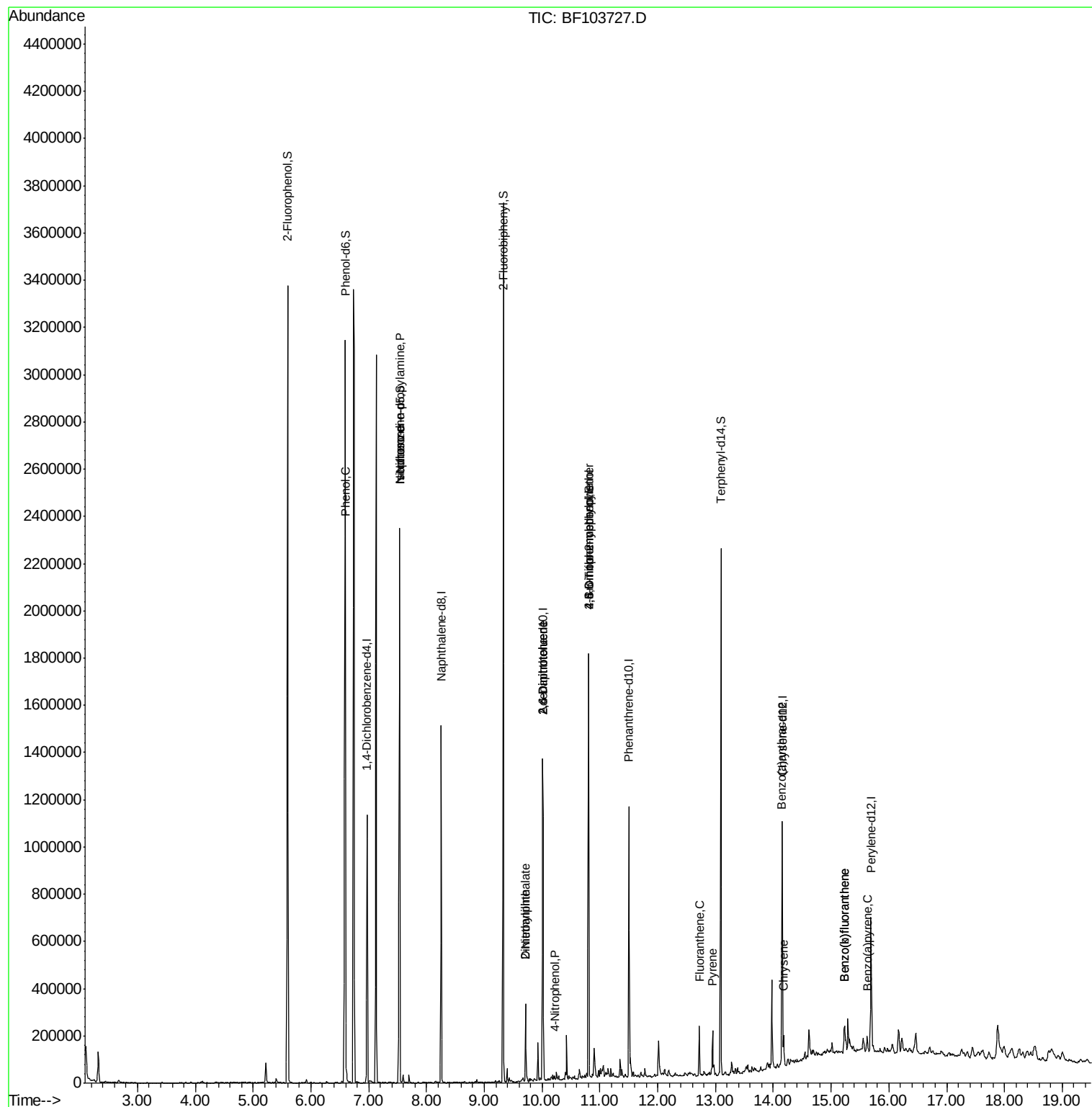
						Qvalue
10) Phenol	6.60	94	34179	2.482	ng	98
19) n-Nitroso-di-n-propylamine	7.53	70	99944	12.032	ng	# 74
25) Isophorone	7.53	82	753058	36.056	ng	# 64
47) 2-Nitroaniline	9.72	65	962	7.002	ng	# 1
49) Dimethylphthalate	9.72	163	100867	5.211	ng	99
50) 2,6-Dinitrotoluene	10.01	165	32887	12.037	ng	# 25
55) 4-Nitrophenol	10.22	139	317	5.054	ng	# 33
56) 2,4-Dinitrotoluene	10.01	165	32887	12.249	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	373	8.429	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	12318	3.353	ng	# 1
74) Fluoranthene	12.72	202	69443	3.444	ng	97
77) Pylene	12.95	202	67600	2.918	ng	98
80) Benzo(a)anthracene	14.14	228	42527	2.130	ng	96
82) Chrysene	14.18	228	47143	2.476	ng	97
87) Benzo(b)fluoranthene	15.23	252	74544	4.671	ng	# 94
88) Benzo(k)fluoranthene	15.23	252	74544	4.860	ng	# 97
89) Benzo(a)pyrene	15.62	252	32891	2.273	ng	# 92

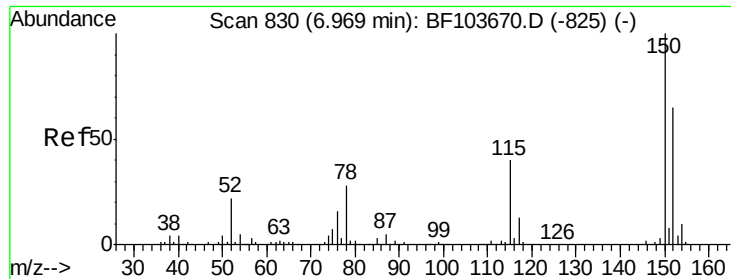
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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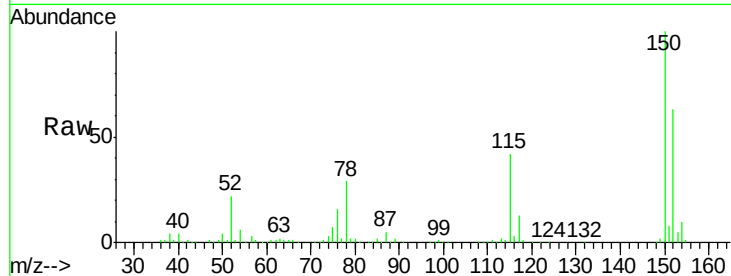


#1

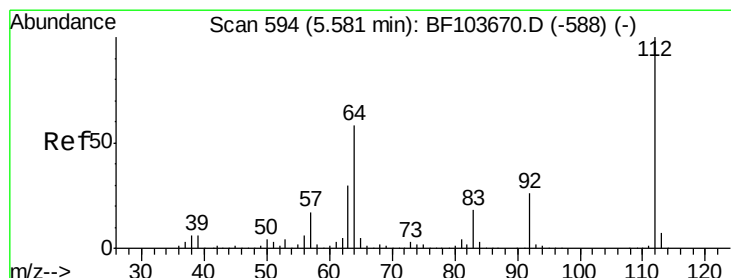
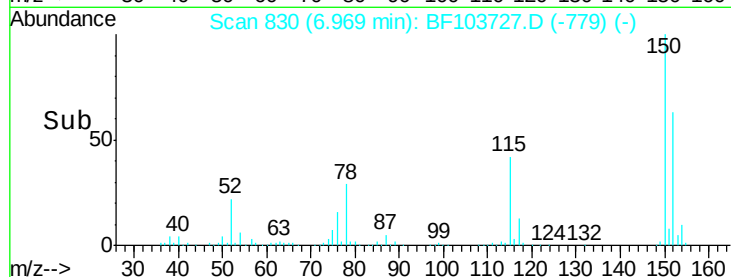
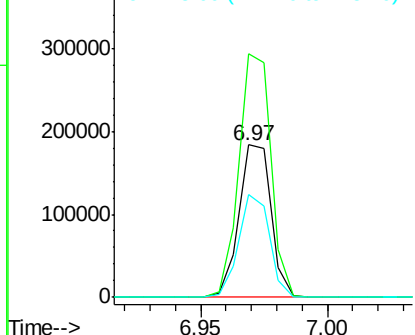
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161134
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 67.6 50.1 75.1



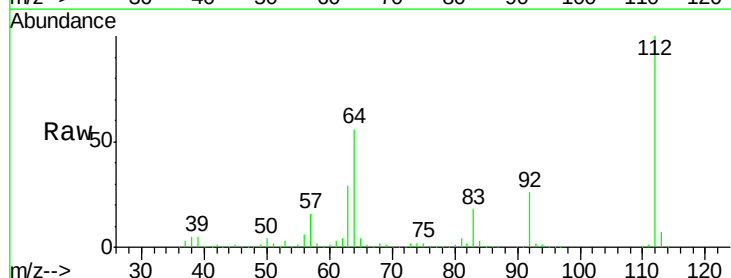
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



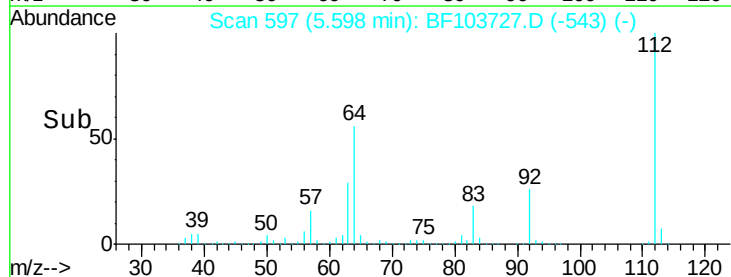
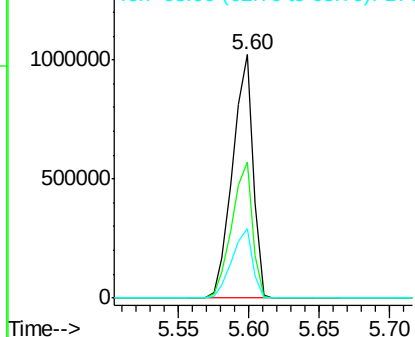
#5

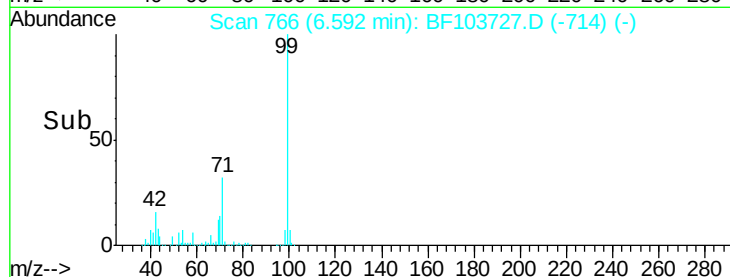
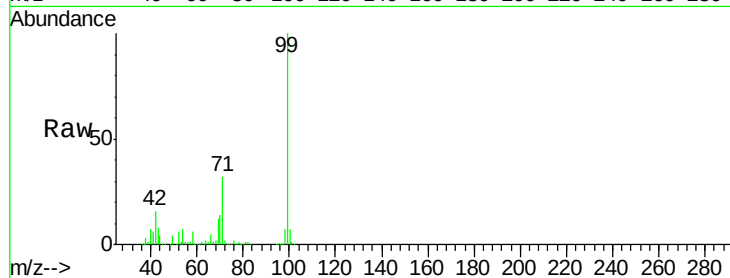
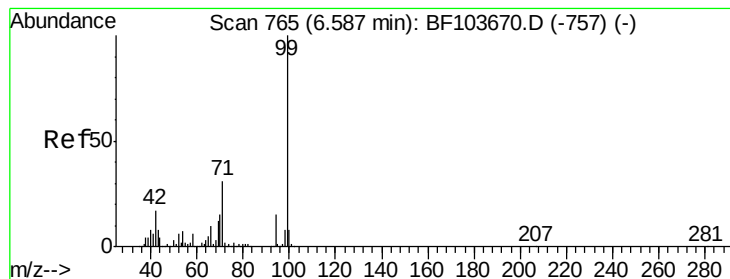
2-Fluorophenol
Concen: 97.213 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Tgt Ion:112 Resp: 1029872
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.6 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: 97.413 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

Instrument :

BNA_F

ClientSampleId :

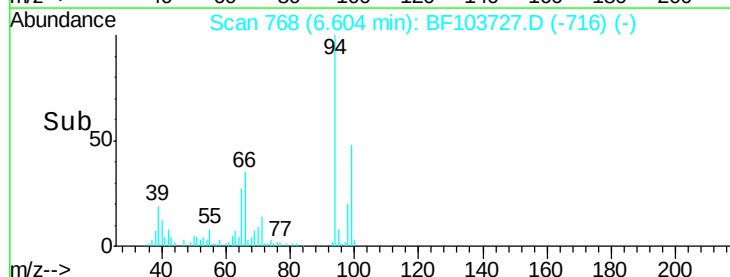
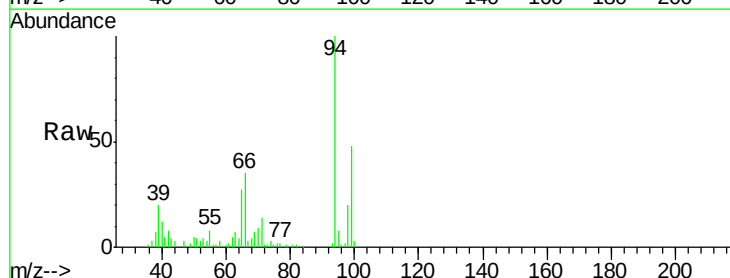
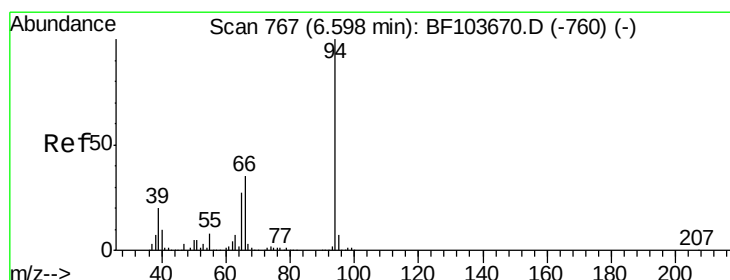
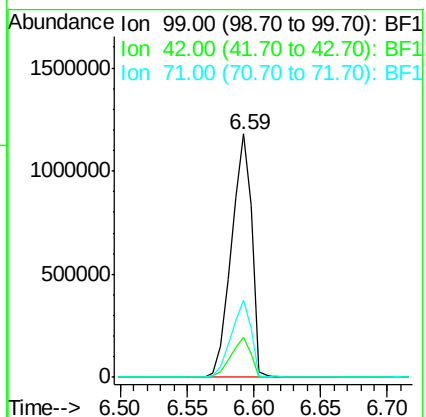
Tot Ion: 99 Resp: 1262565

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 31.9 25.4 38.0



#10

Phenol

Concen: 2.482 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

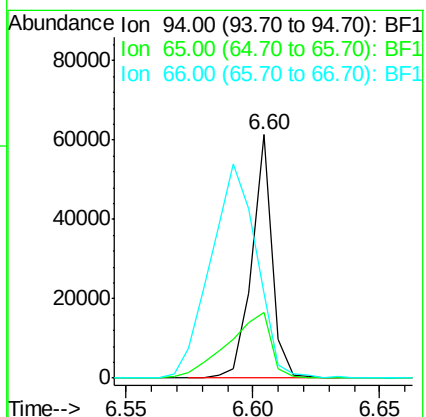
Tgt Ion: 94 Resp: 34179

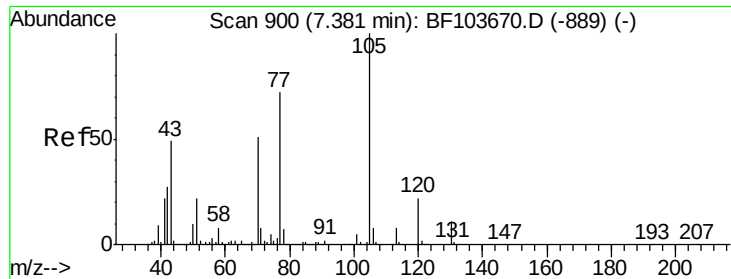
Ion Ratio Lower Upper

94 100

65 27.2 7.9 47.9

66 34.8 16.2 56.2

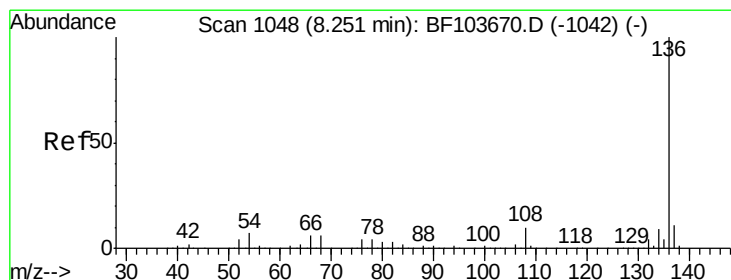
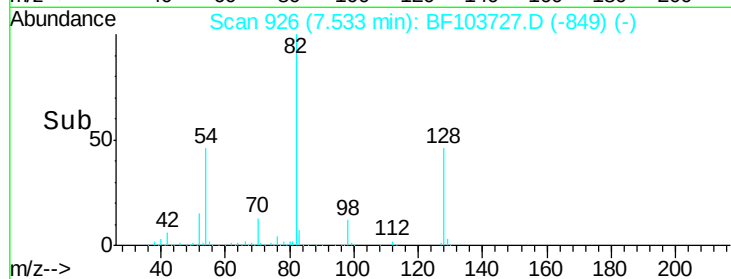
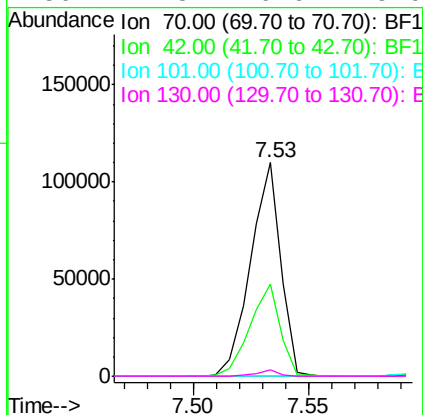
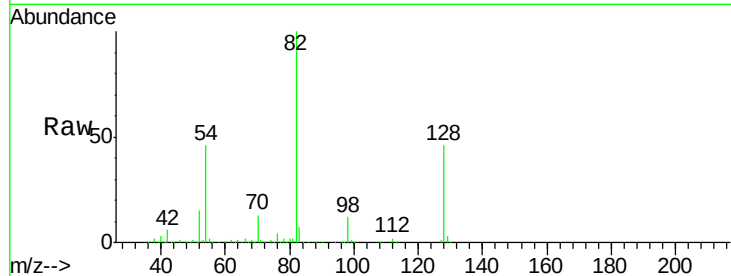




#19
n-Nitroso-di-n-propylamine
Concen: 12.032 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

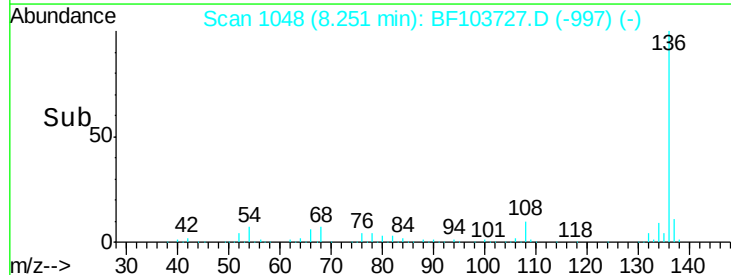
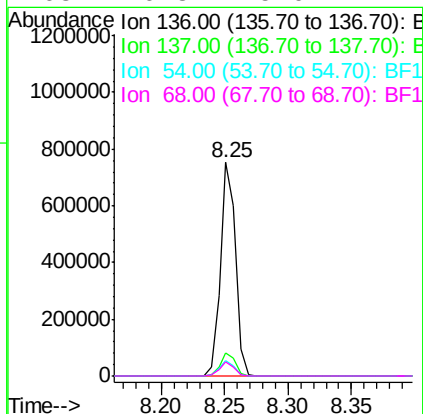
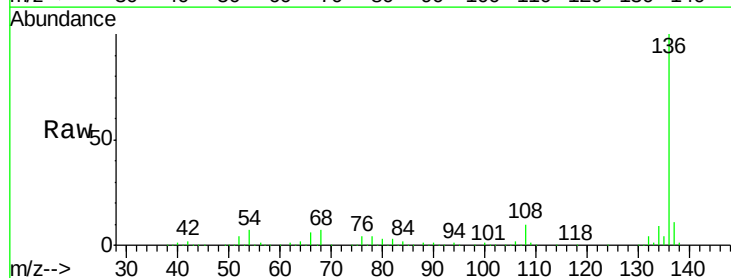
Instrument :
BNA_F
ClientSampleId :

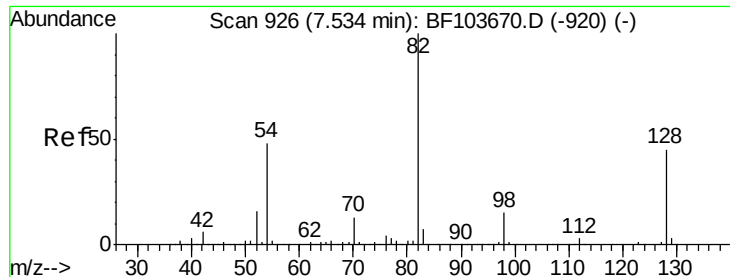
Tot Ion: 70 Resp: 99944
Ion Ratio Lower Upper
70 100
42 43.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Tgt Ion: 136 Resp: 629169
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.5 6.6 9.8
68 6.8 5.0 7.4

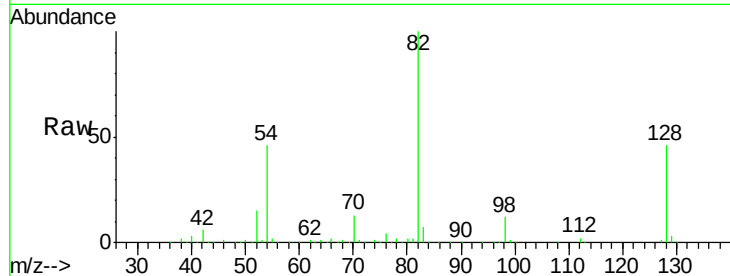




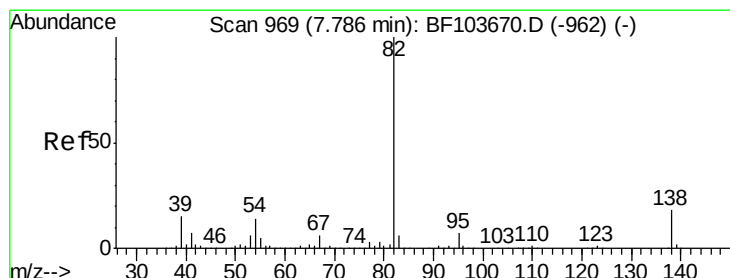
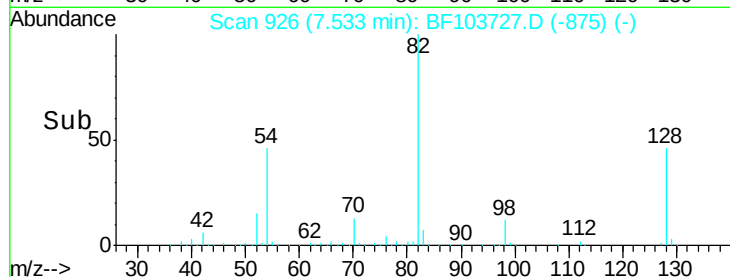
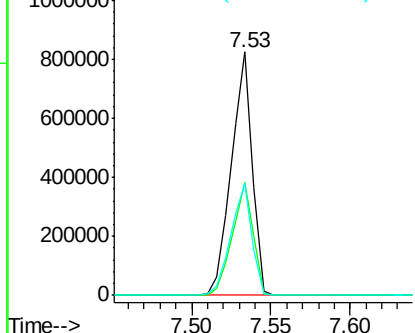
#23
Nitrobenzene-d5
Concen: 83.469 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	753067
Ion Ratio	100	Lower	Upper
128	46.4	36.1	54.1
54	46.0	41.4	62.2

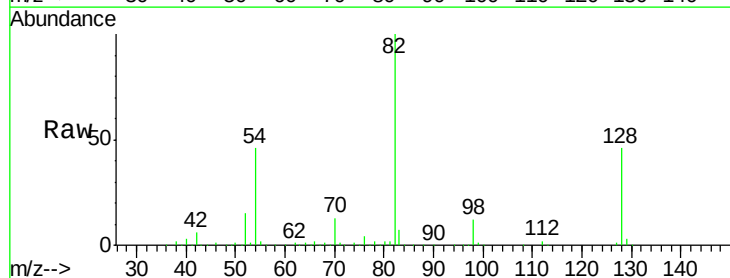


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

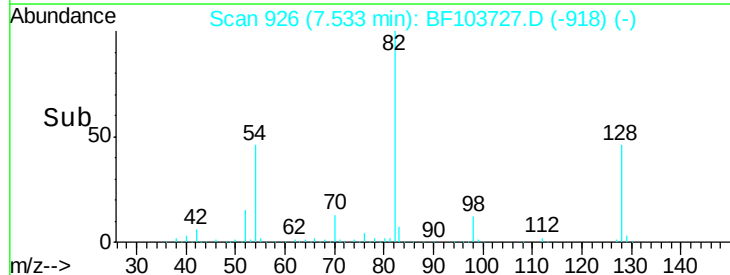
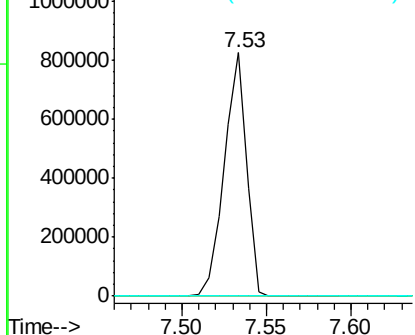


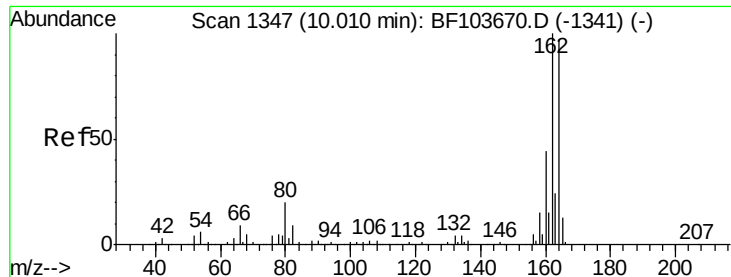
#25
Isophorone
Concen: 36.056 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Tgt Ion	82	Resp	753058
Ion Ratio	100	Lower	Upper
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

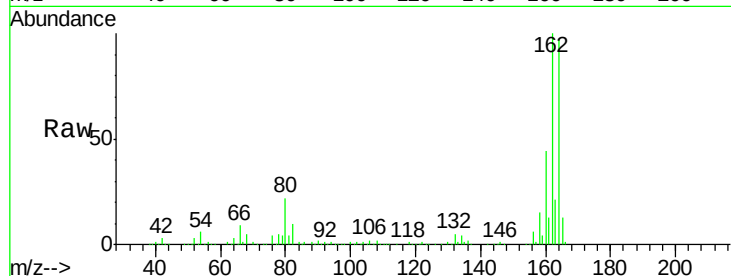




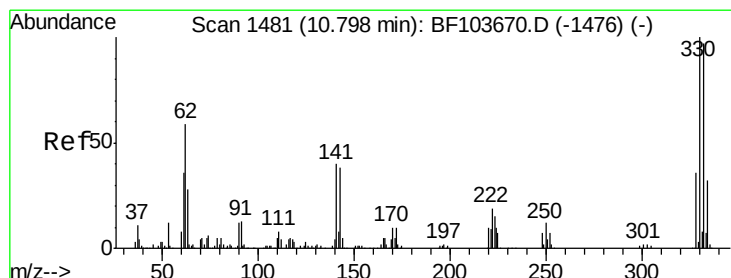
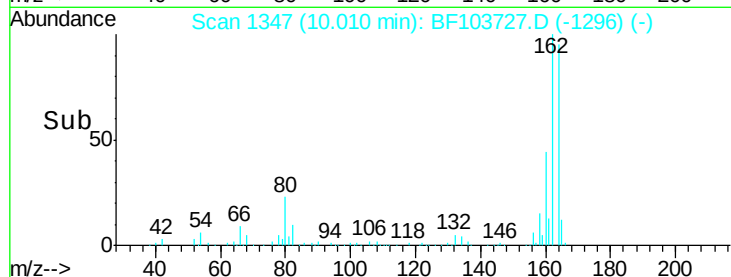
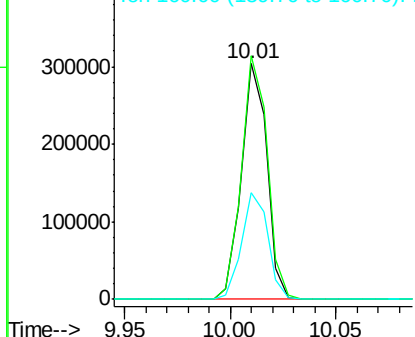
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 253717
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 45.1 38.3 57.5

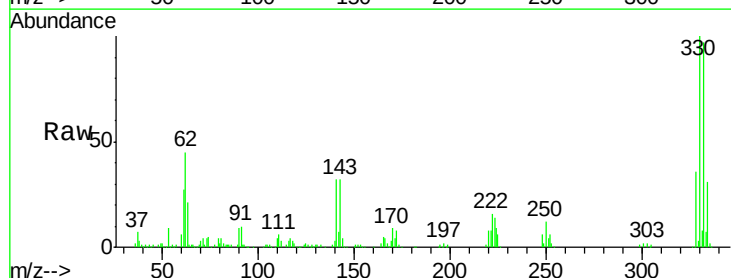


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

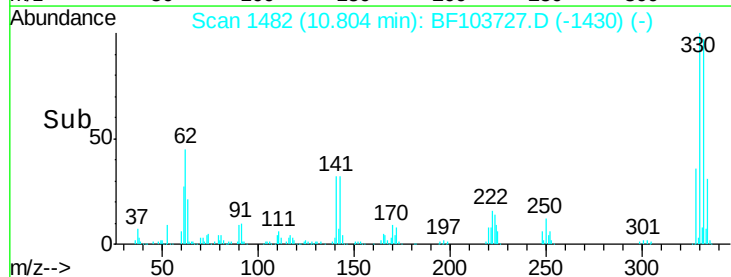
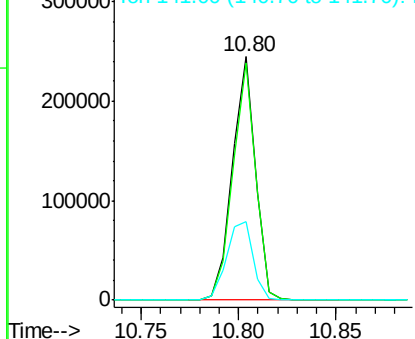


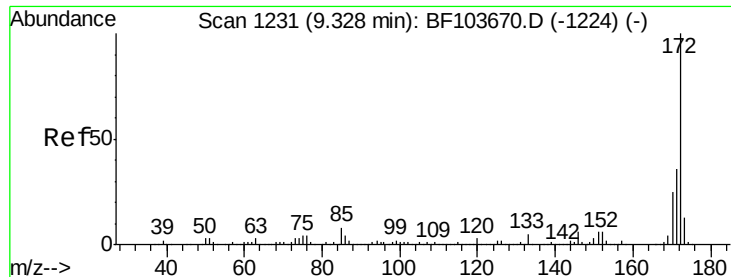
#41
2,4,6-Tribromophenol
Concen: 92.092 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Tgt Ion:330 Resp: 200897
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 37.1 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

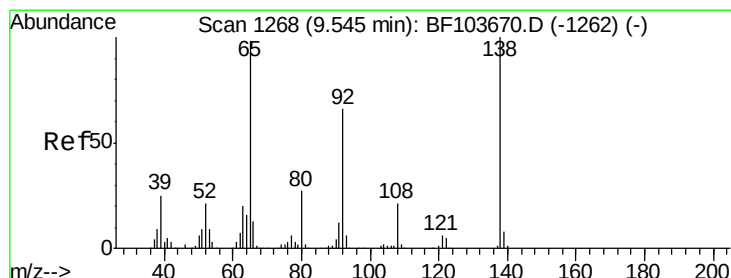
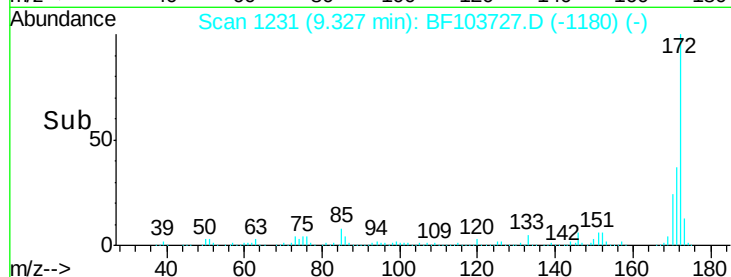
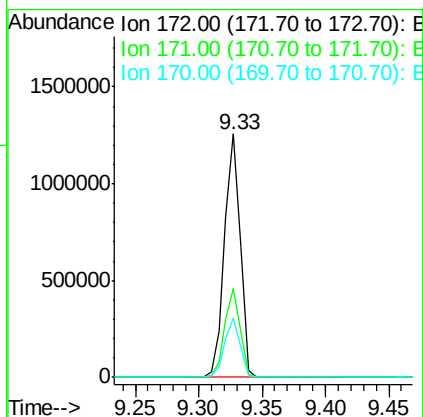
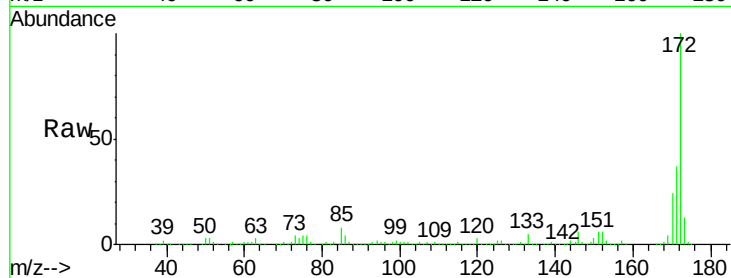




#44
2-Fluorobiphenyl
Concen: 68.254 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

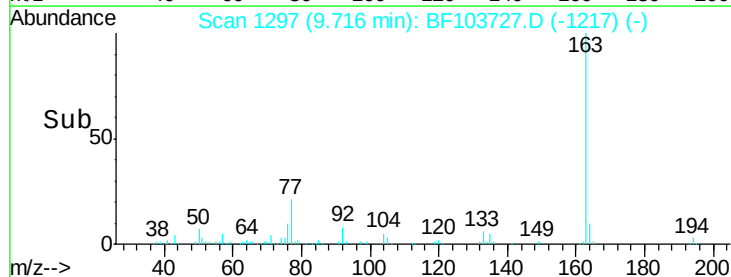
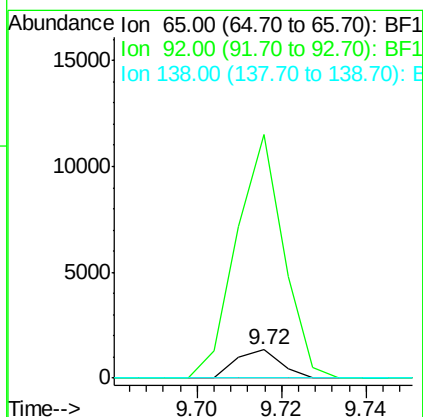
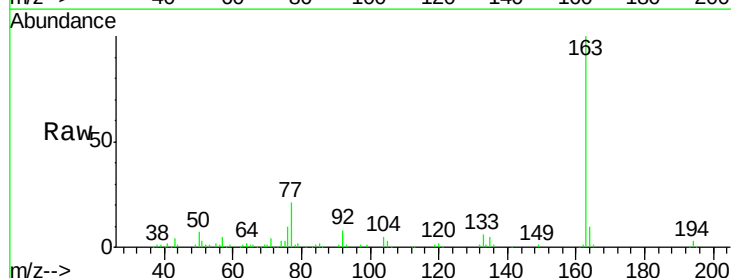
Instrument :
BNA_F
ClientSampleId :

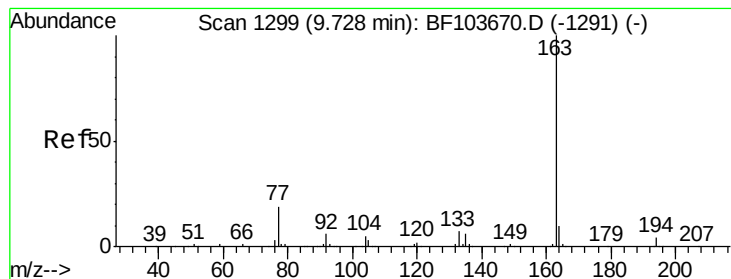
Tot Ion:172 Resp: 1085611
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.4 19.6 29.4



#47
2-Nitroaniline
Concen: 7.002 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Tgt Ion: 65 Resp: 962
Ion Ratio Lower Upper
65 100
92 866.5 55.8 83.6#
138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 5.211 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

Instrument :

BNA_F

ClientSampleId :

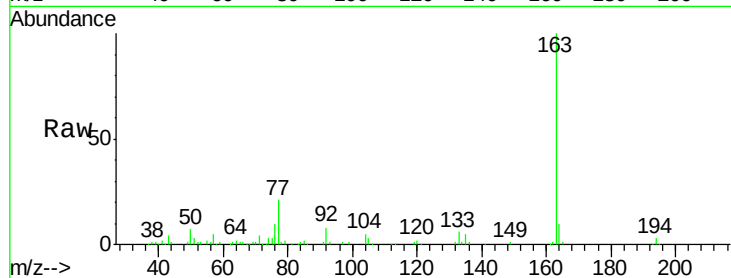
Tot Ion:163 Resp: 100867

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

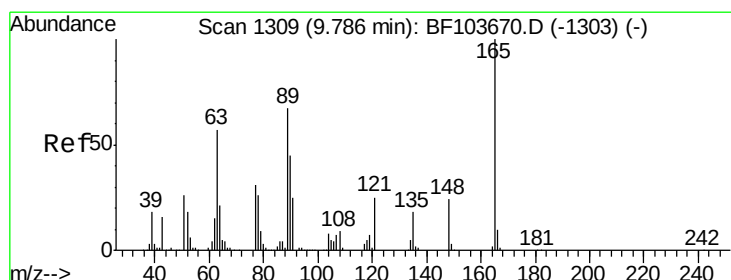
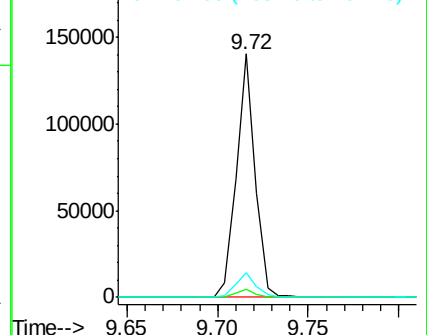
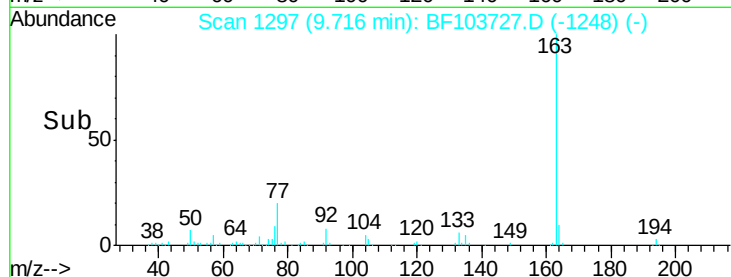
164 10.0 8.2 12.2



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: 12.037 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

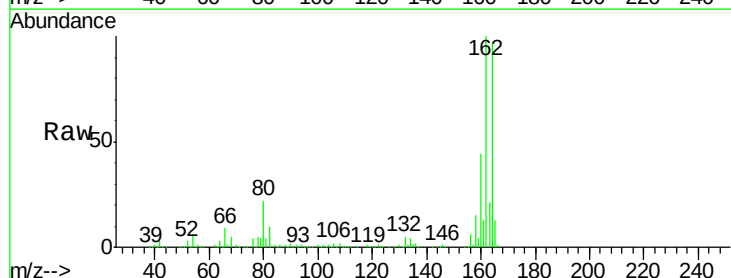
Tgt Ion:165 Resp: 32887

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

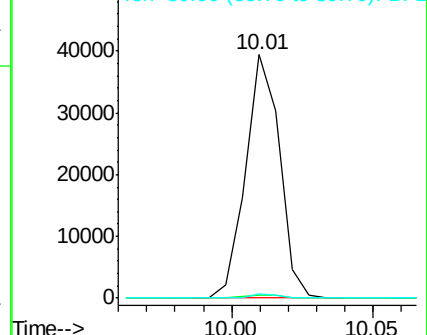
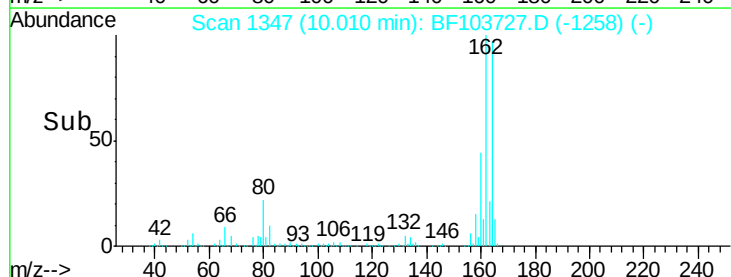
89 1.6 44.0 66.0#

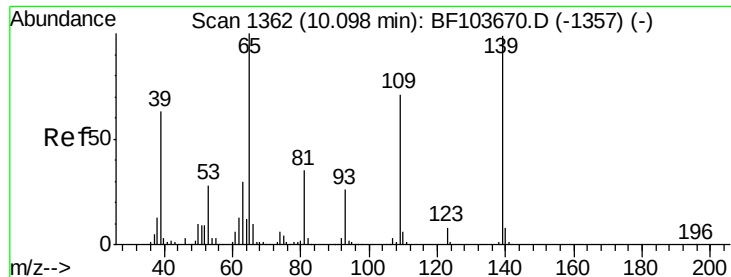


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

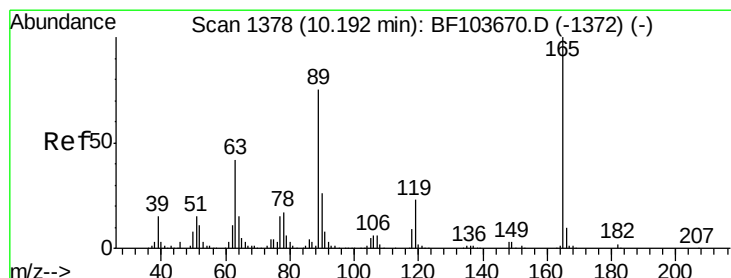
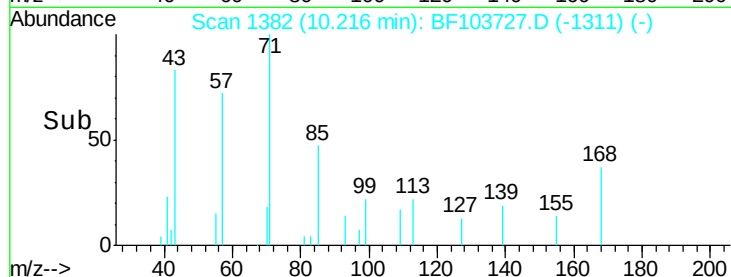
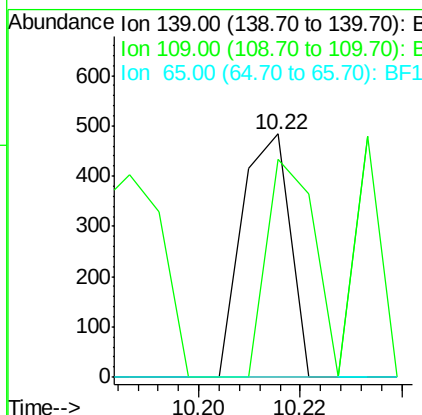
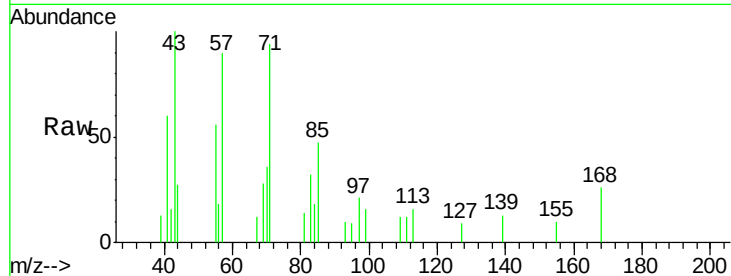




#55
4-Nitrophenol
Concen: 5.054 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

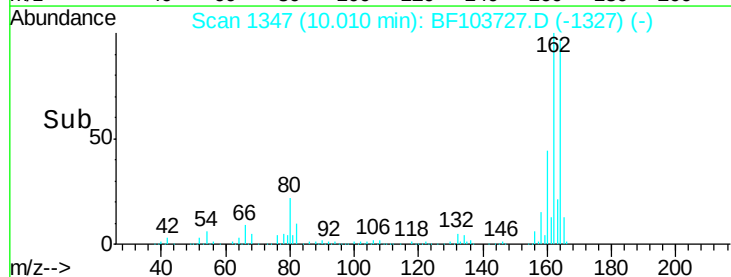
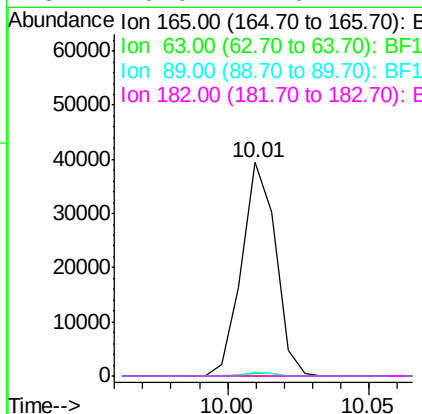
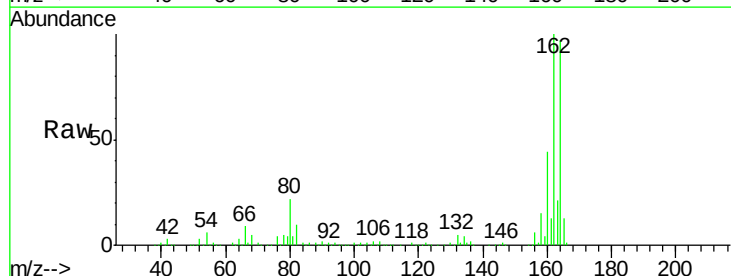
Instrument :
BNA_F
ClientSampleId :

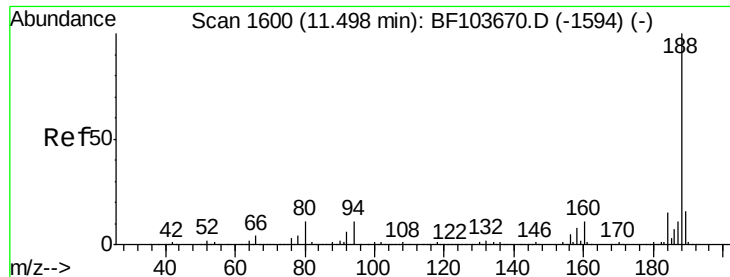
Tot Ion:139 Resp: 317
Ion Ratio Lower Upper
139 100
109 89.5 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 12.249 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Tgt Ion:165 Resp: 32887
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

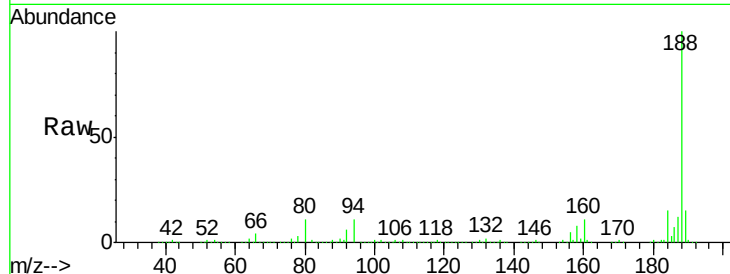




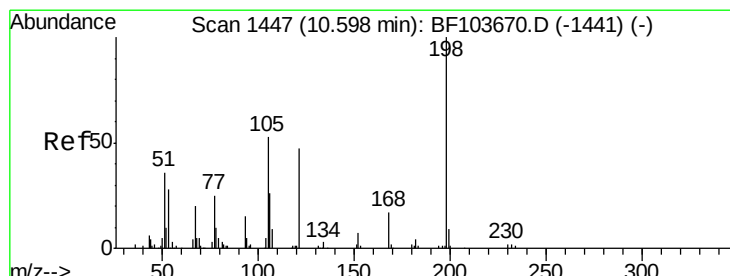
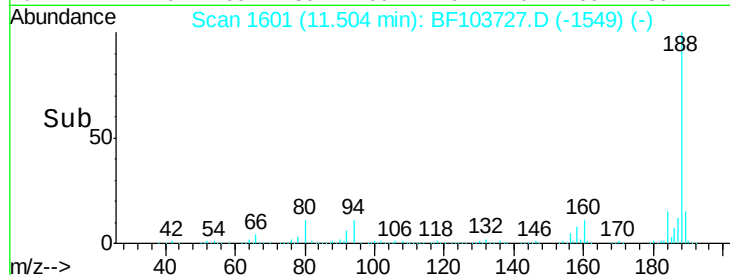
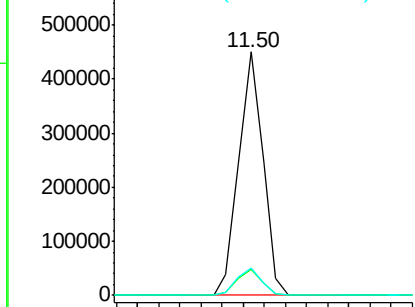
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103727.D
 Acq: 17 Mar 2018 7:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 357775
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 11.4 9.2 13.8

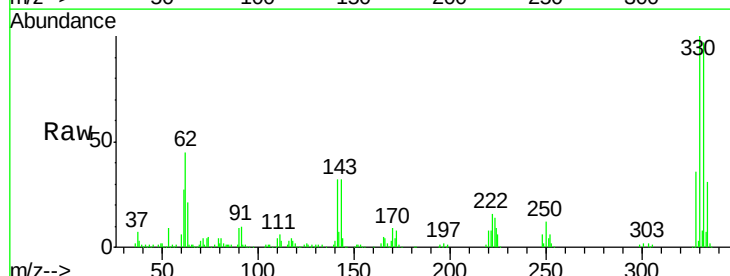


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

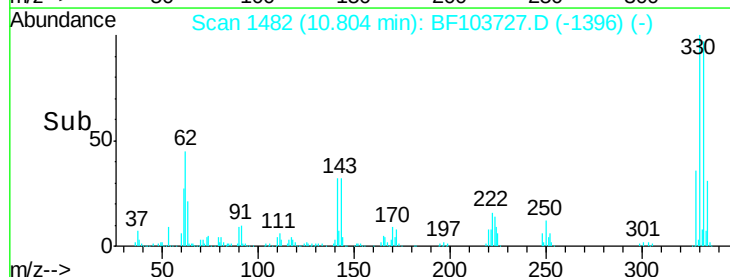
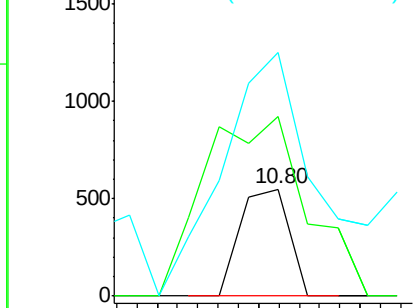


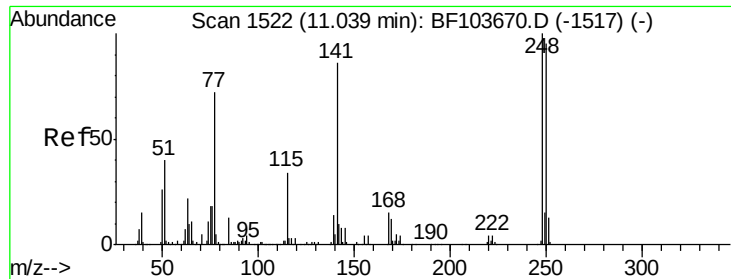
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.429 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103727.D
 Acq: 17 Mar 2018 7:41

Tgt Ion:198 Resp: 373
 Ion Ratio Lower Upper
 198 100
 51 168.8 37.7 77.7#
 105 228.3 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

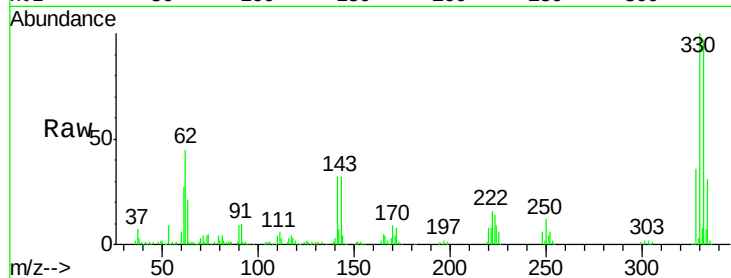




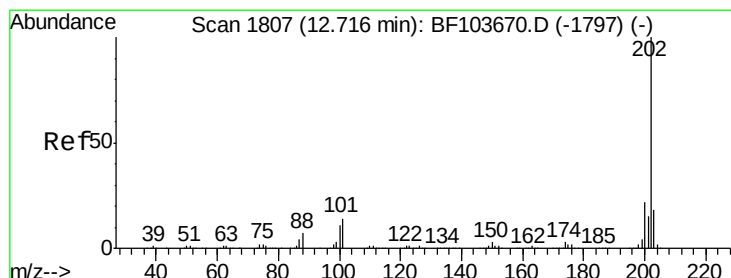
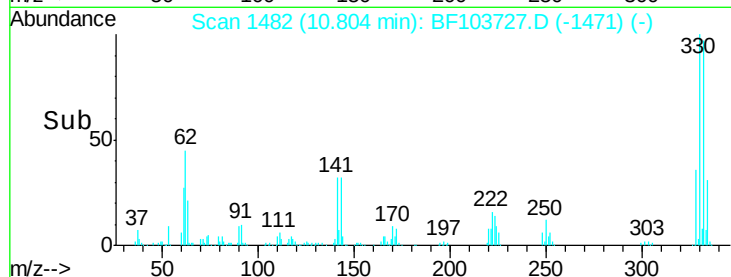
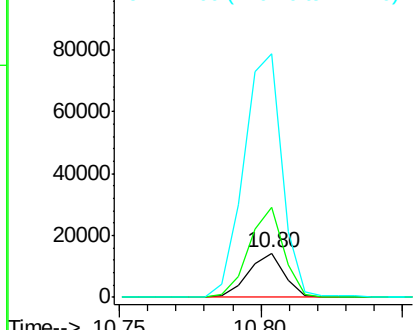
#66
4-Bromophenyl-phenylether
Concen: 3.353 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12318
Ion Ratio Lower Upper
248 100
250 201.9 76.9 115.3#
141 548.6 74.4 111.6#

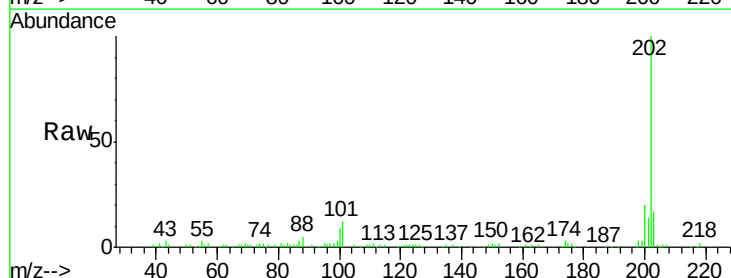


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

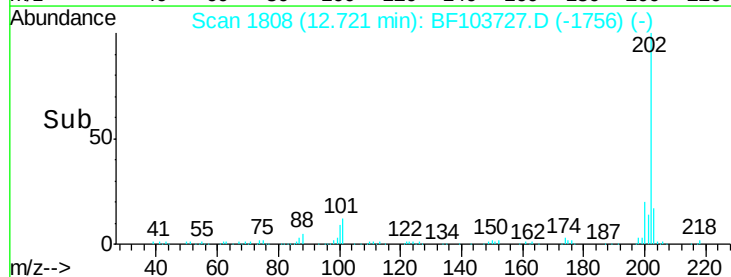
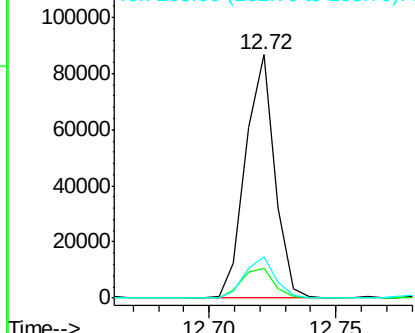


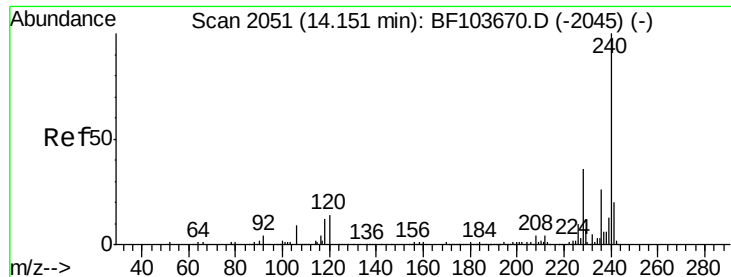
#74
Fluoranthene
Concen: 3.444 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.01 min
Lab File: BF103727.D
Acq: 17 Mar 2018 7:41

Tgt Ion:202 Resp: 69443
Ion Ratio Lower Upper
202 100
101 12.3 0.0 34.1
203 16.8 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: BF103727.D

Acq: 17 Mar 2018 7:41

Instrument :

BNA_F

ClientSampleId :

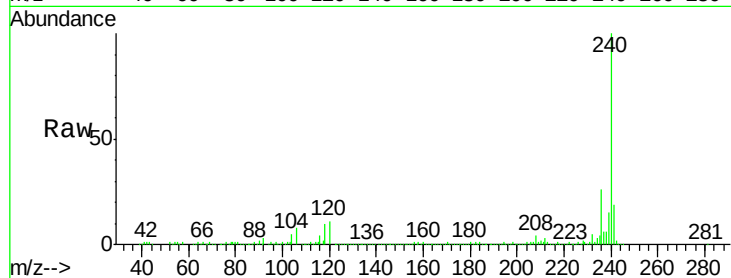
Tot Ion:240 Resp: 315487

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

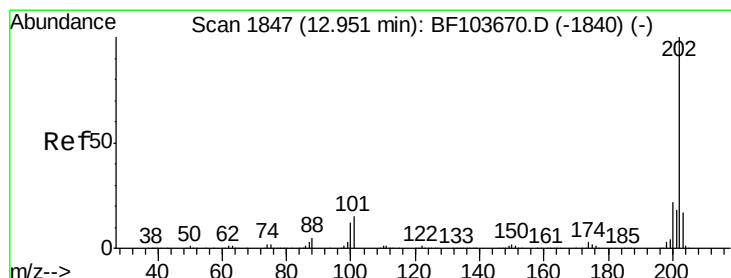
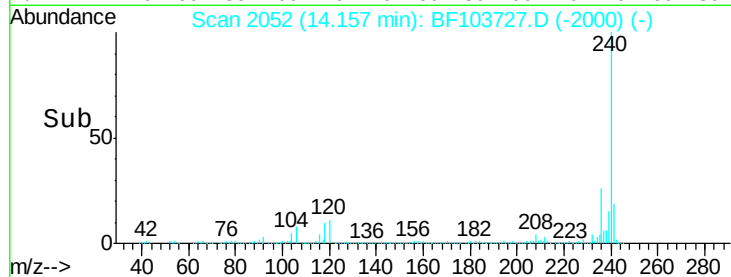
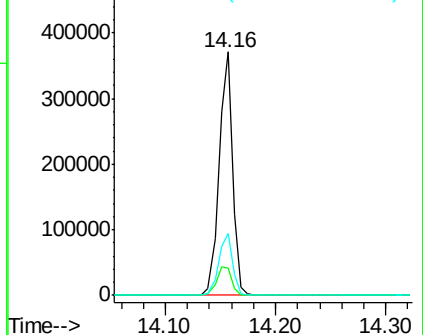
236 25.6 20.7 31.1



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: 2.918 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

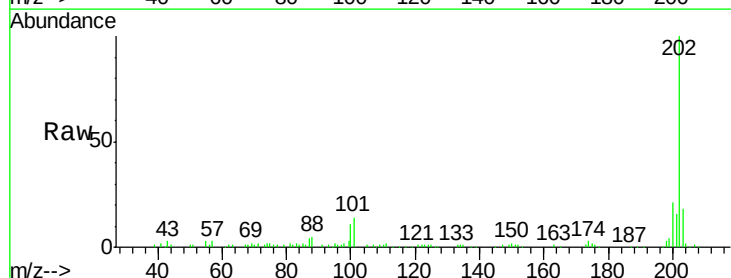
Tgt Ion:202 Resp: 67600

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

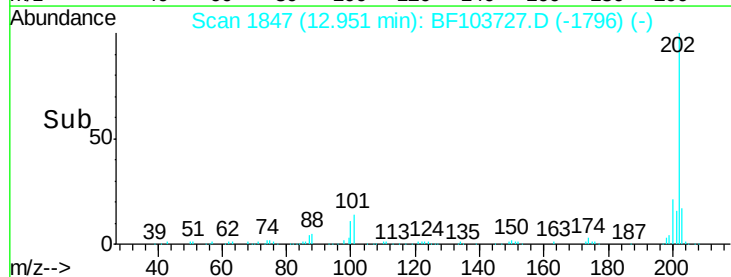
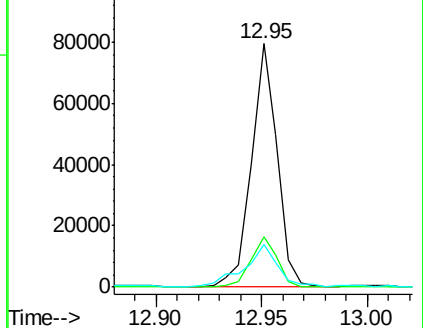
203 17.5 14.3 21.5

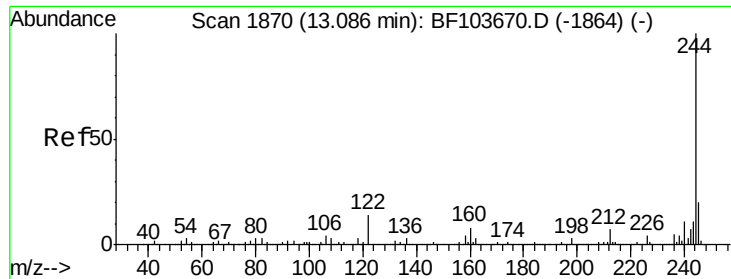


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

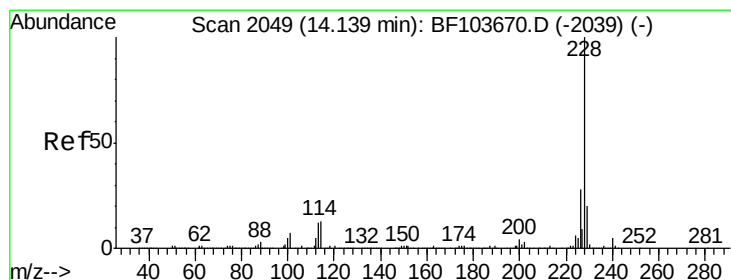
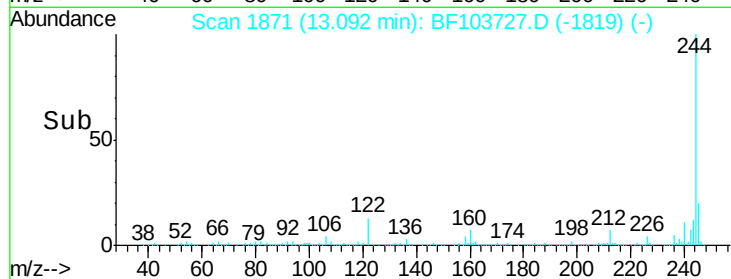
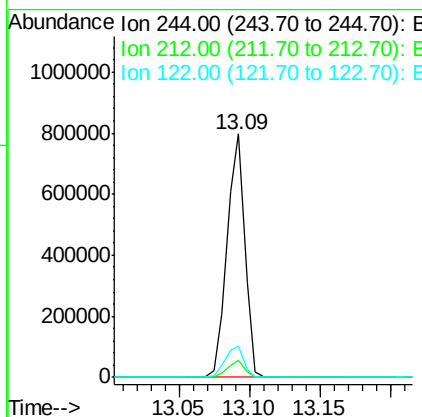
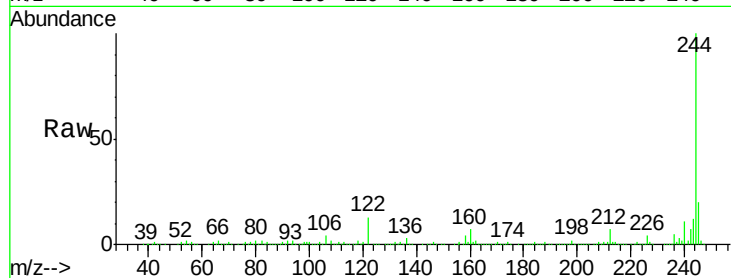




#78
 Terphenyl-d14
 Concen: 51.347 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103727.D
 Acq: 17 Mar 2018 7:41

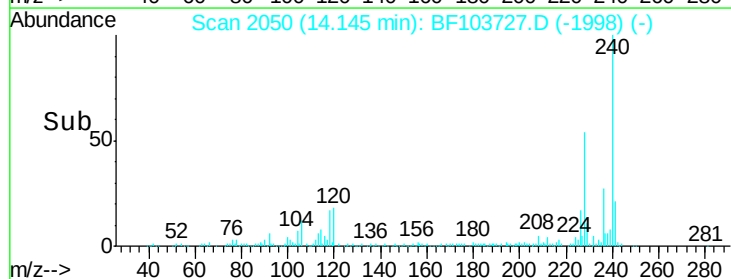
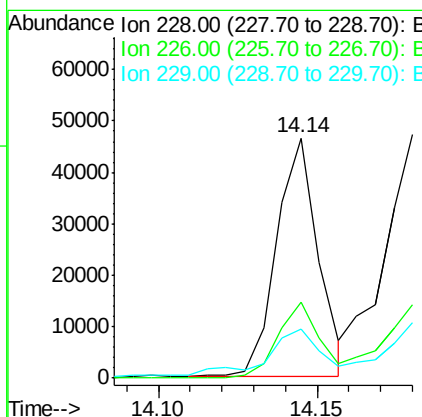
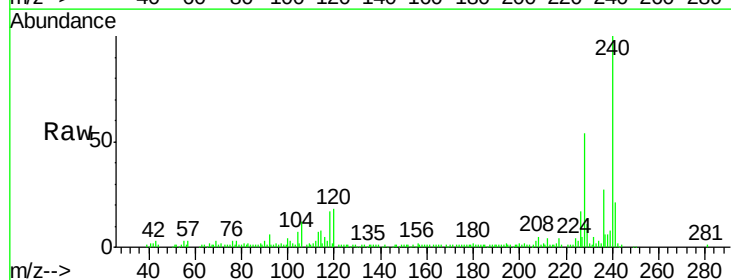
Instrument :
 BNA_F
 ClientSampleId :

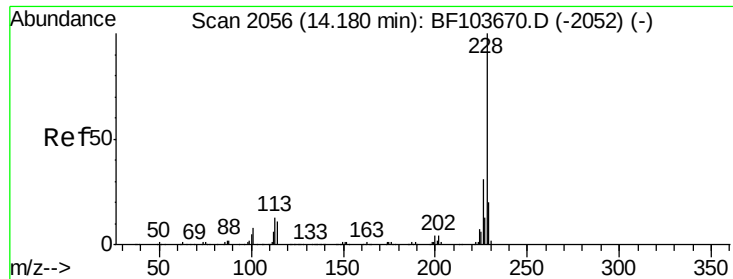
Tot Ion:244 Resp: 697903
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.130 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: BF103727.D
 Acq: 17 Mar 2018 7:41

Tgt Ion:228 Resp: 42527
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.6 33.8
 229 20.2 15.8 23.6





#82

Chrysene

Concen: 2.476 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

Instrument :

BNA_F

ClientSampleId :

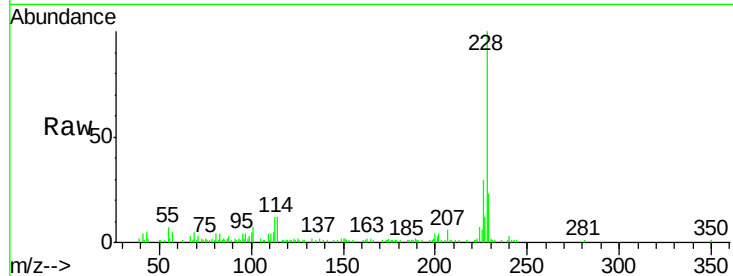
Tot Ion:228 Resp: 47143

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

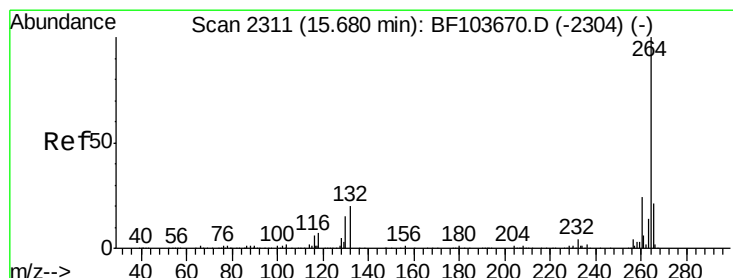
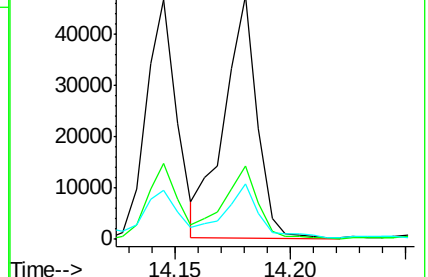
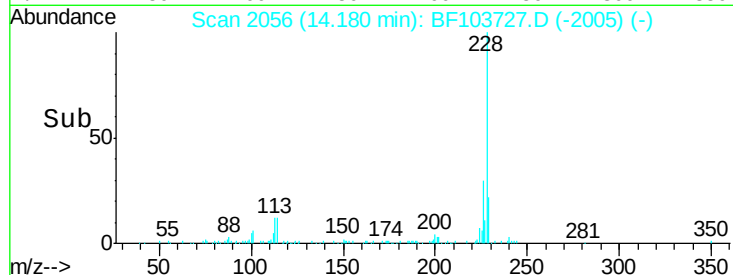
229 22.7 16.2 24.4



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: 15.69 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

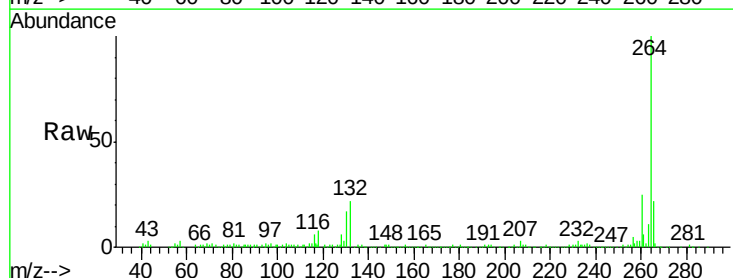
Tgt Ion:264 Resp: 252577

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

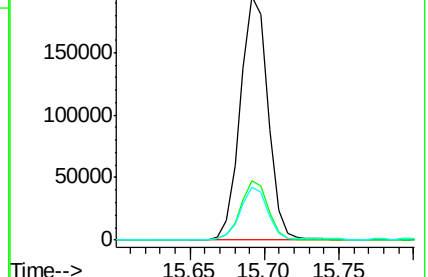
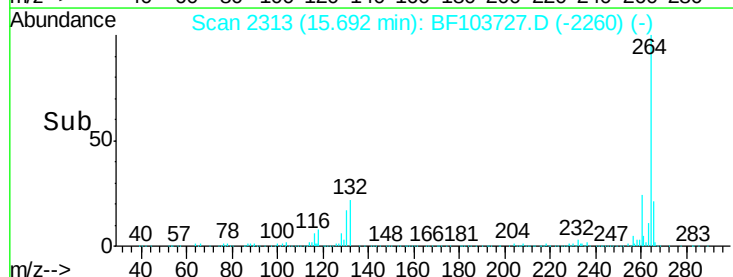
265 21.5 17.5 26.3

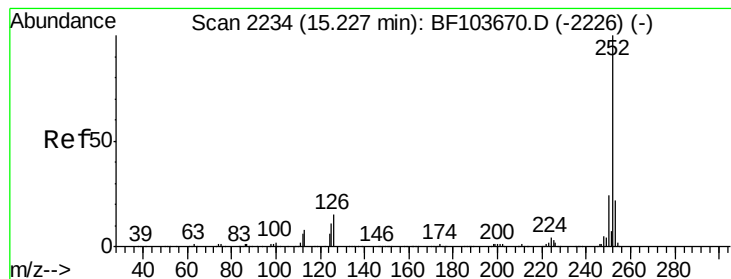


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.671 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

Instrument :

BNA_F

ClientSampled :

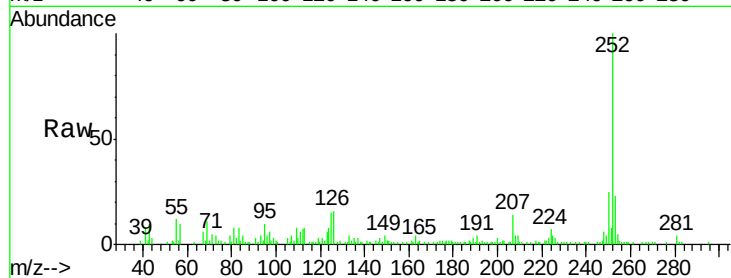
Tot Ion:252 Resp: 74544

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

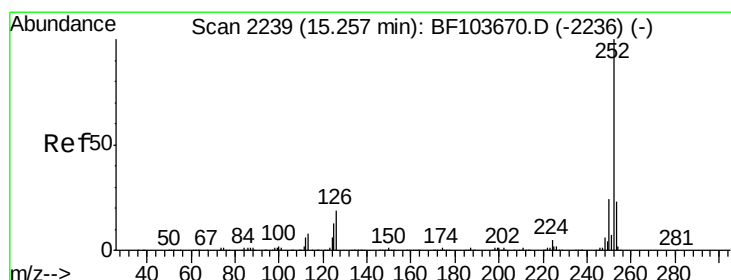
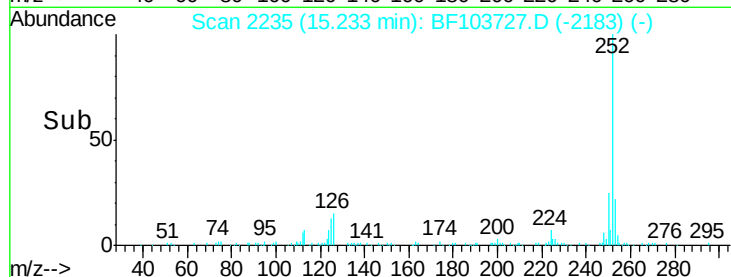
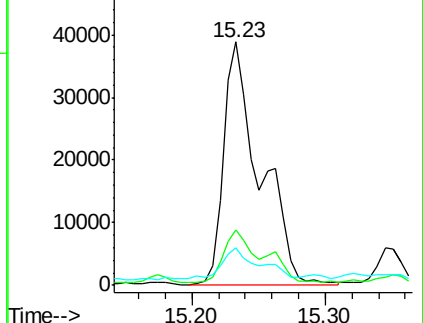
125 15.3 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.860 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

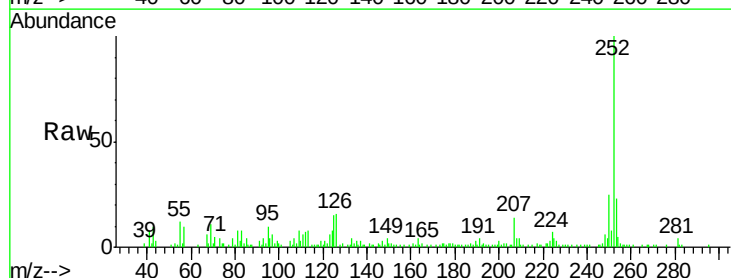
Tgt Ion:252 Resp: 74544

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

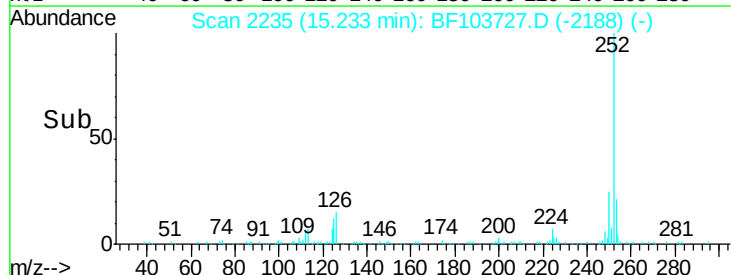
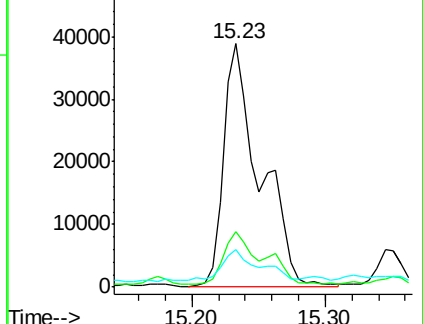
125 15.3 10.2 15.2#

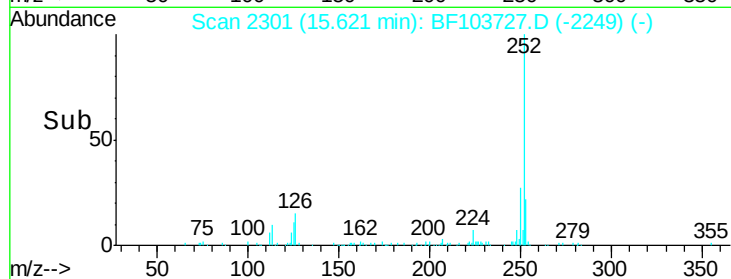
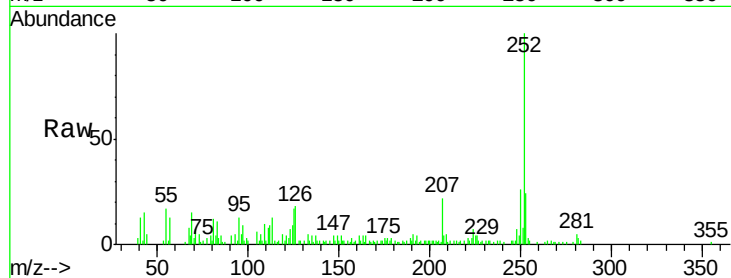
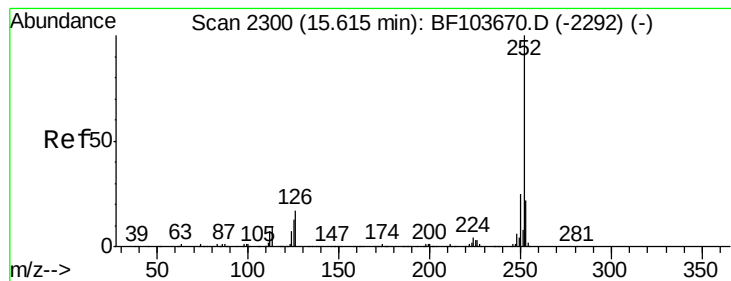


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.273 ng

RT: 15.62 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BF103727.D

Acq: 17 Mar 2018 7:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 32891

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 17.5 9.8 14.6

