

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120117\
 Data File : BF101072.D
 Acq On : 1 Dec 2017 19:18
 Operator : SJ/JU
 Sample : I6622-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DBNW1A-2-4

Quant Time: Dec 01 21:52:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 15:52:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	54009	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	207555	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	89125	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	141805	20.00	ng	0.00
75) Chrysene-d12	14.02	240	122872	20.00	ng	0.00
86) Perylene-d12	15.49	264	103638	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	403633	123.49	ng	0.01
7) Phenol-d6	6.49	99	487513	122.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	295494	84.93	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	94244	88.03	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	513903	78.89	ng	0.00
78) Terphenyl-d14	12.96	244	376122	66.95	ng	0.00

Target Compounds

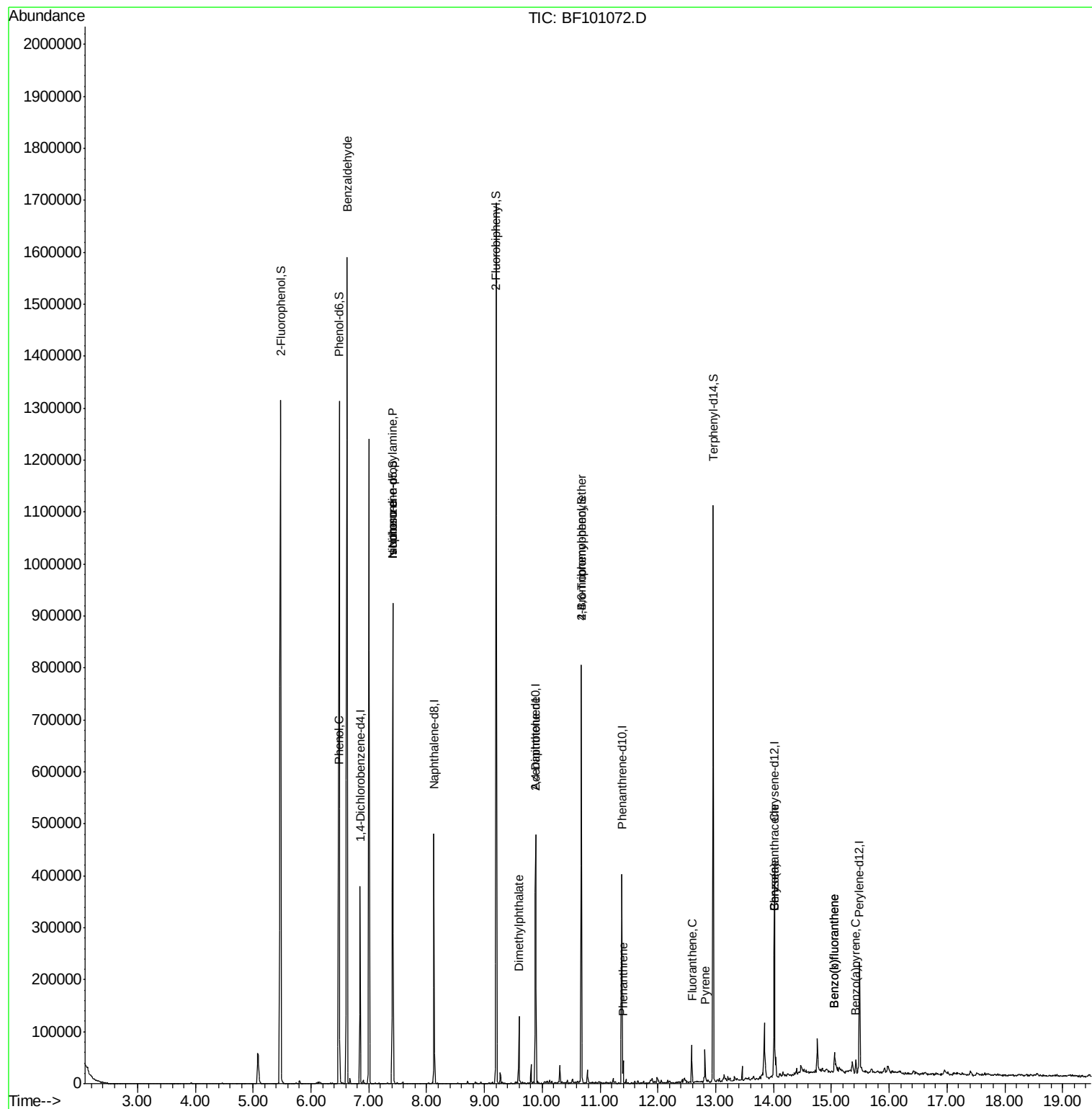
						Qvalue
9) Benzaldehyde	6.62	77	8724	3.592	ng	84
10) Phenol	6.50	94	16711	3.787	ng	96
19) n-Nitroso-di-n-propylamine	7.42	70	38871	14.545	ng	# 81
25) Isophorone	7.42	82	295487	49.719	ng	# 64
49) Dimethylphthalate	9.60	163	50780	7.065	ng	99
56) 2,4-Dinitrotoluene	9.89	165	11246	5.543	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	6262	3.945	ng	# 1
70) Phenanthrene	11.40	178	17815	2.281	ng	98
74) Fluoranthene	12.59	202	26784	3.094	ng	95
77) Pyrene	12.82	202	24427	2.881	ng	96
80) Benzo(a)anthracene	14.00	228	15924	2.053	ng	91
82) Chrysene	14.00	228	15924	2.210	ng	95
87) Benzo(b)fluoranthene	15.06	252	25223	4.063	ng	96
88) Benzo(k)fluoranthene	15.06	252	25223	4.124	ng	98
89) Benzo(a)pyrene	15.43	252	11904	2.109	ng	96

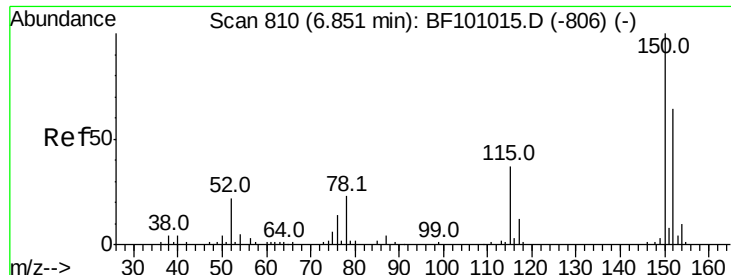
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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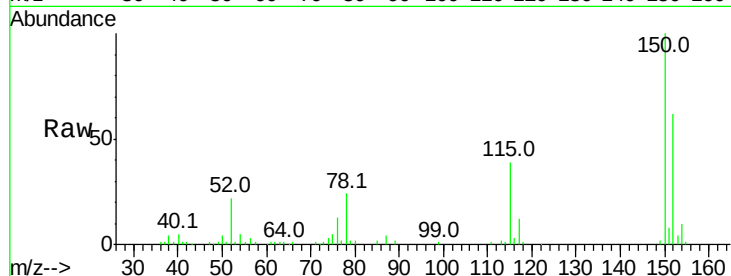


#1

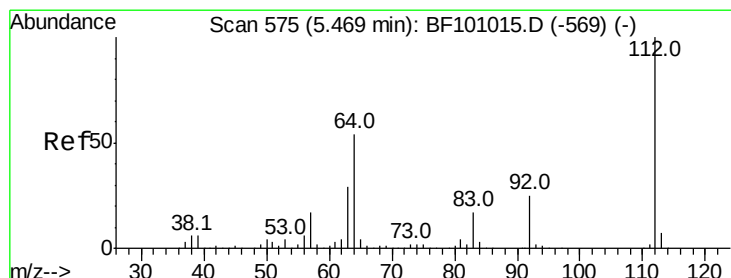
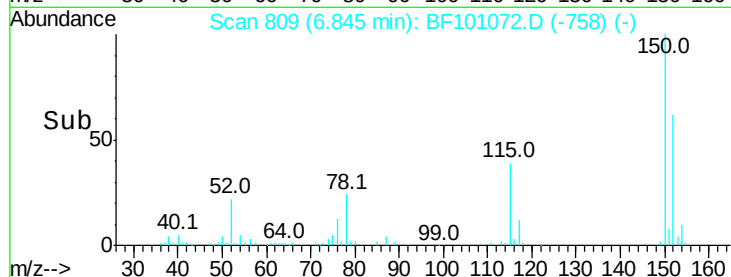
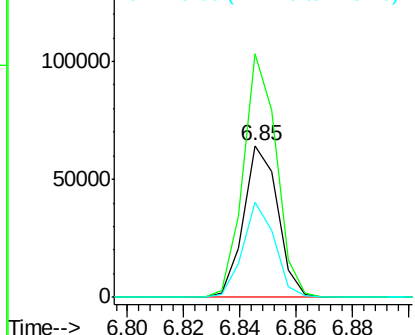
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

Instrument :
BNA_F
ClientSampleId :
DBNW1A-2-4

Tot Ion:152 Resp: 54009
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 62.8 50.1 75.1



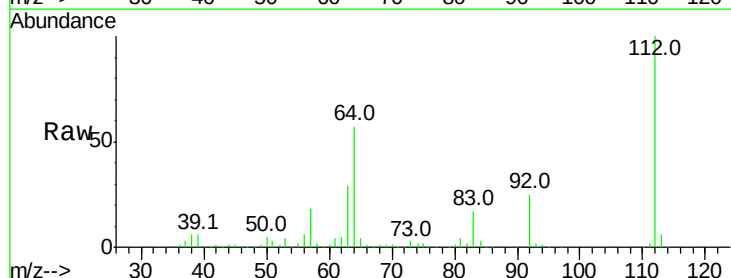
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



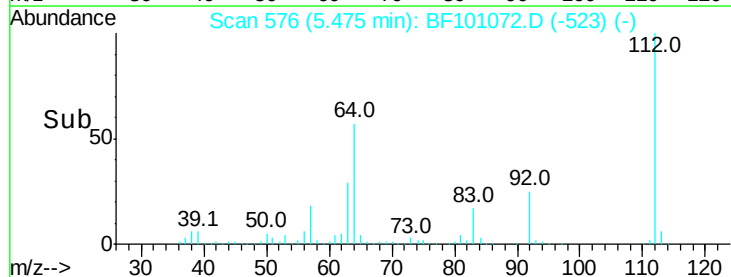
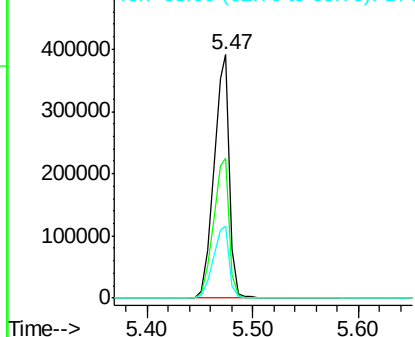
#5

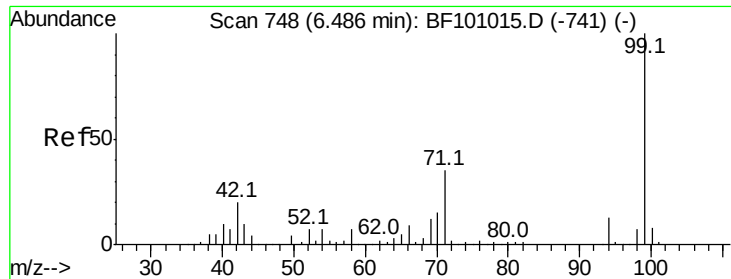
2-Fluorophenol
Concen: 123.494 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

Tgt Ion:112 Resp: 403633
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 29.4 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: 122.855 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

BNA_F

ClientSampleId :

DBNW1A-2-4

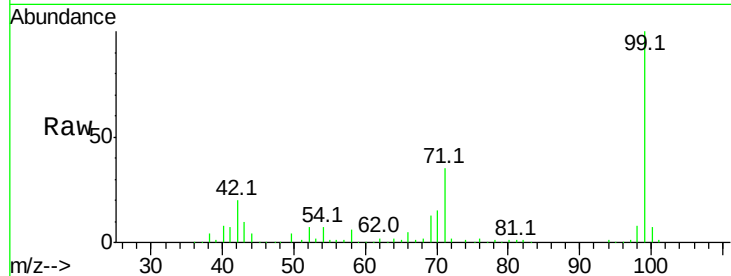
Tot Ion: 99 Resp: 487513

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

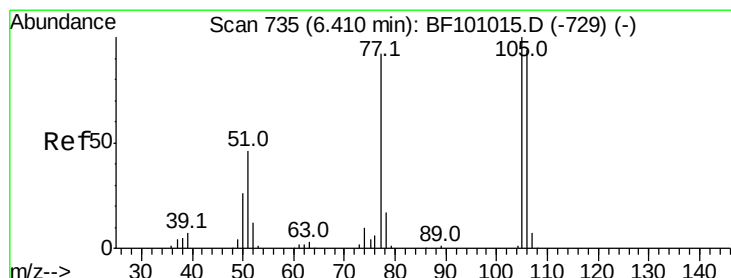
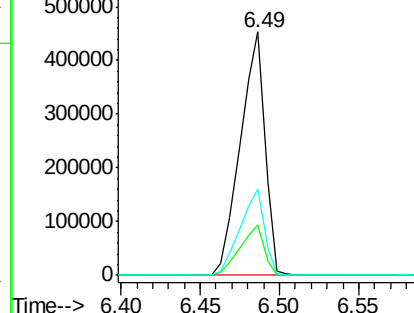
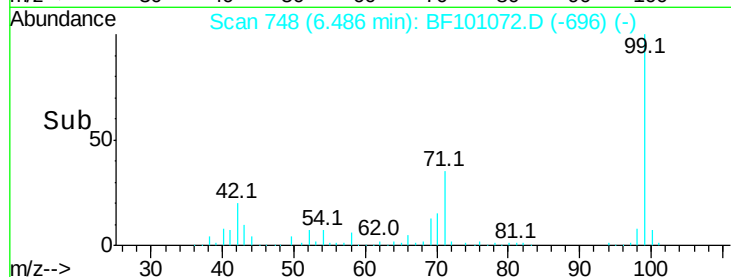
71 35.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.592 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.22 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

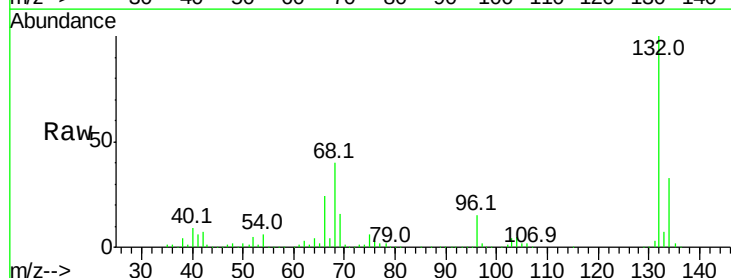
Tgt Ion: 77 Resp: 8724

Ion Ratio Lower Upper

77 100

105 81.2 81.1 121.1

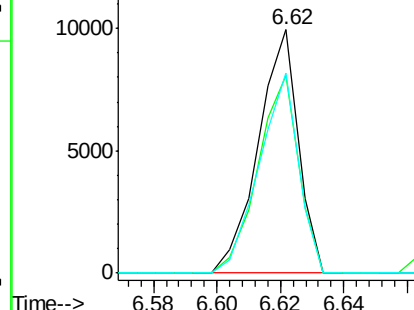
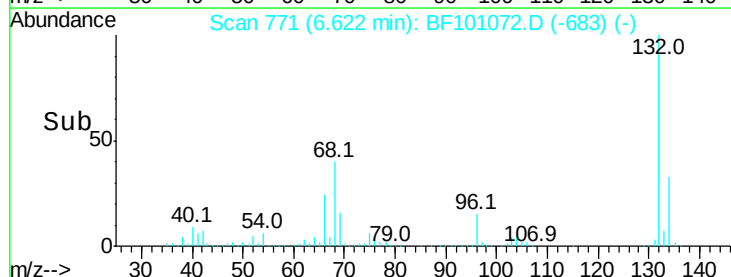
106 82.3 74.5 114.5

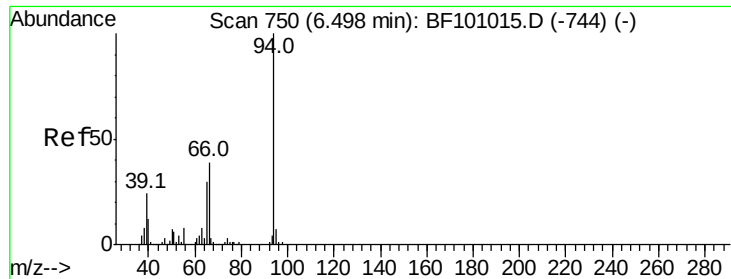


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.787 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

BNA_F

ClientSampleId :

DBNW1A-2-4

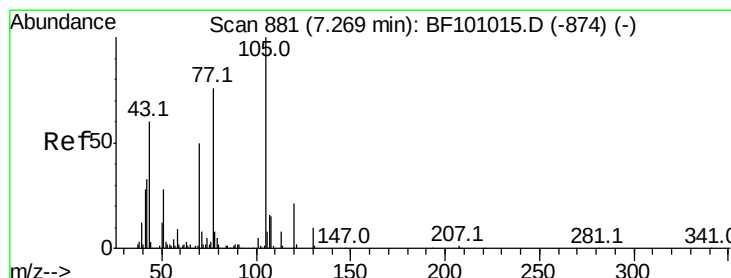
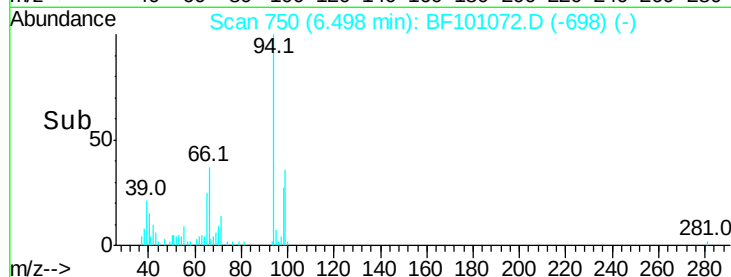
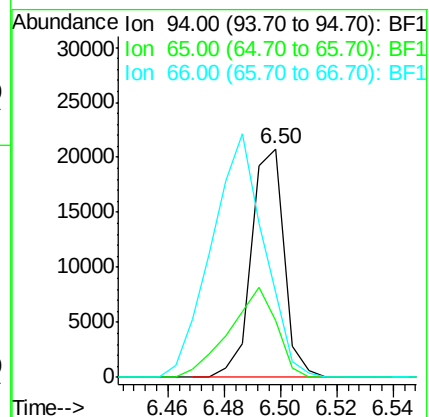
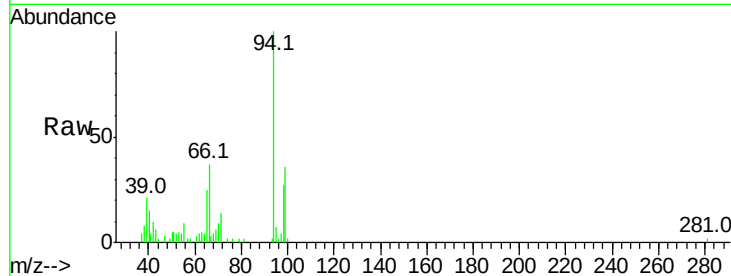
Tot Ion: 94 Resp: 16711

Ion Ratio Lower Upper

94 100

65 24.7 7.9 47.9

66 37.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.545 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Tgt Ion: 70 Resp: 38871

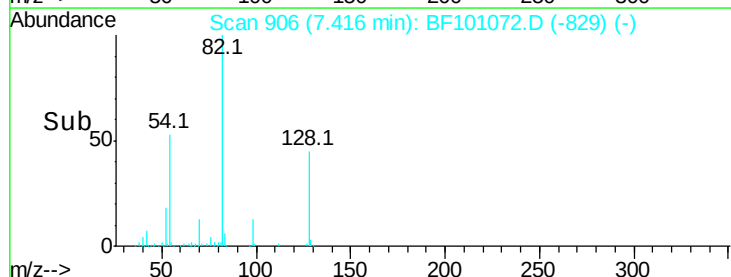
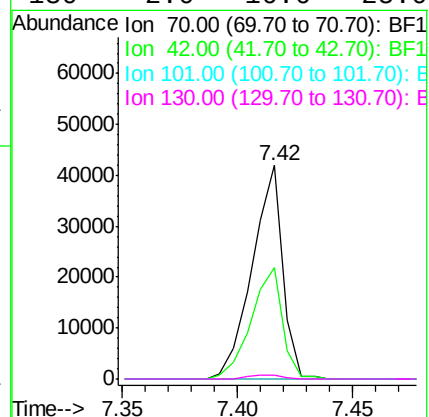
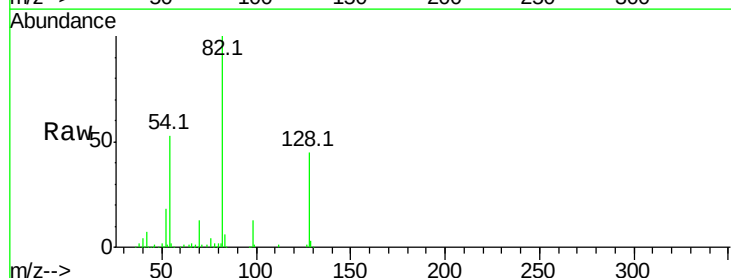
Ion Ratio Lower Upper

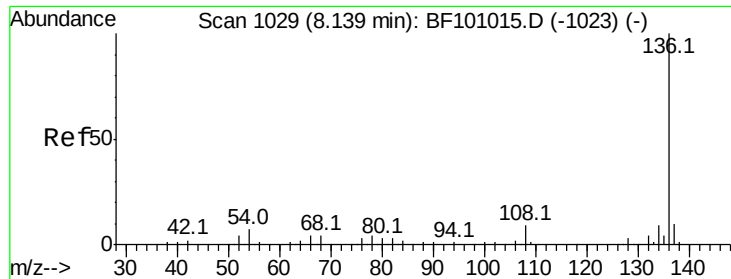
70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

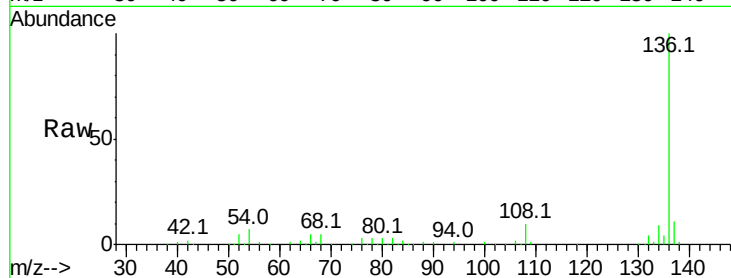




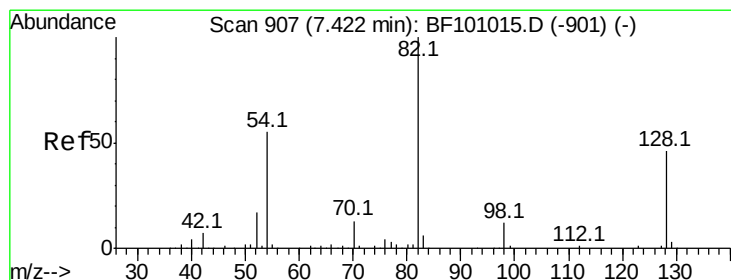
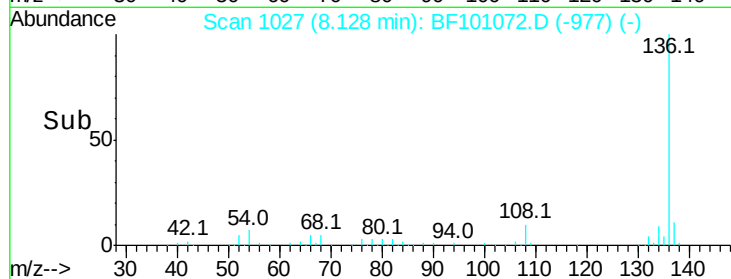
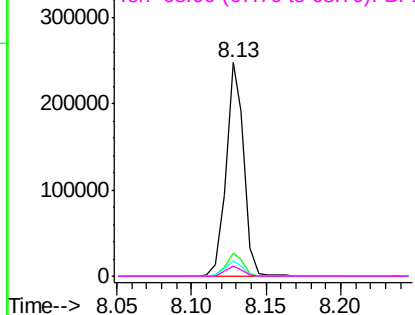
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

Instrument :
BNA_F
ClientSampleId :
DBNW1A-2-4

Tot Ion:	136	Resp:	207555
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.4	6.6	9.8
68	4.8	5.0	7.4#

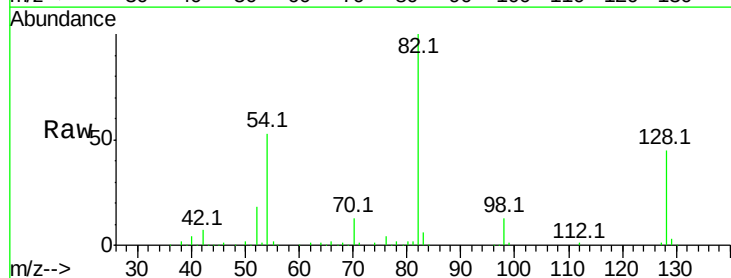


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

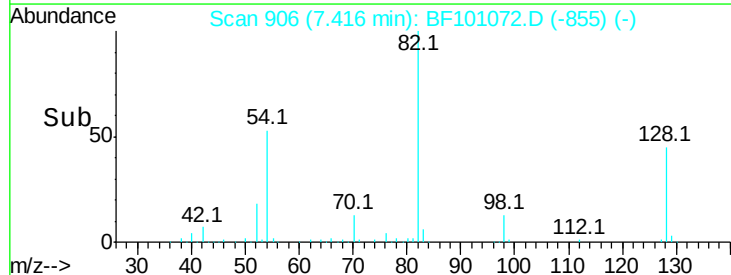
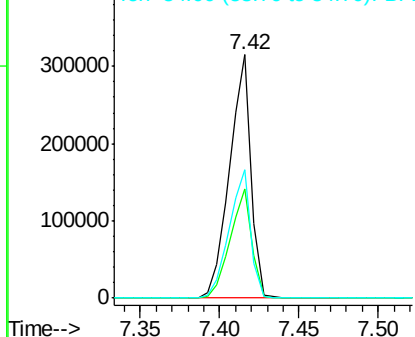


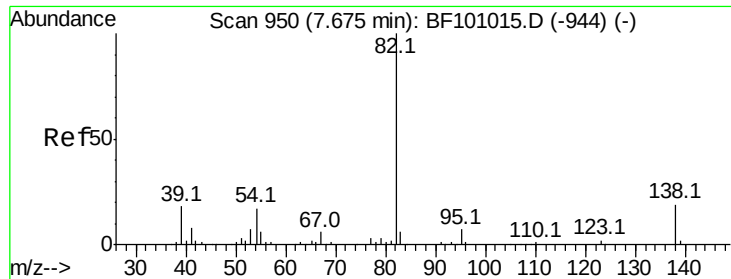
#23
Nitrobenzene-d5
Concen: 84.928 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

Tgt Ion:	82	Resp:	295494
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	52.7	41.4	62.2



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





#25

Isophorone

Concen: 49.719 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

BNA_F

ClientSampleId :

DBNW1A-2-4

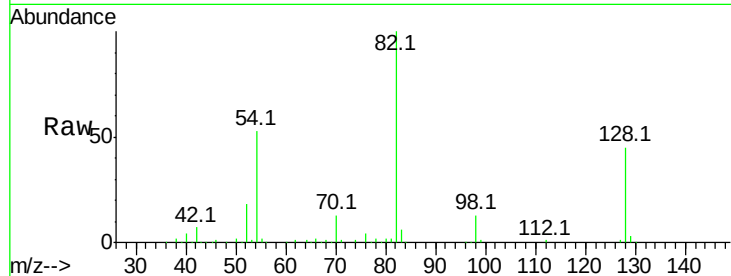
Tot Ion: 82 Resp: 295487

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

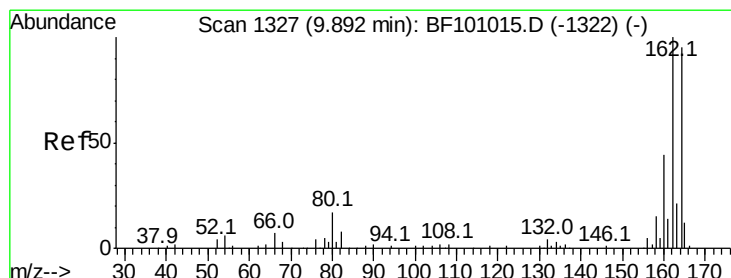
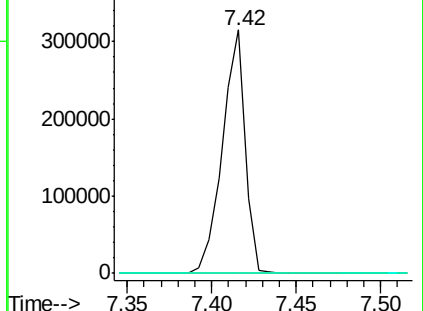
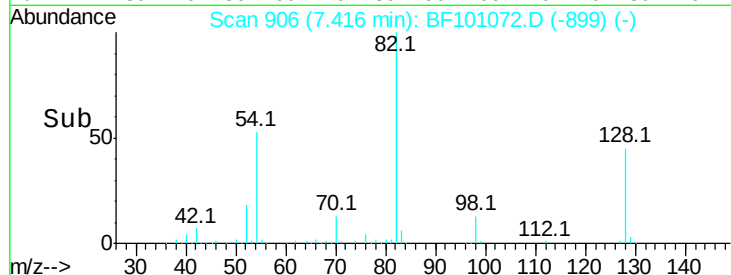
138 0.0 14.9 22.3#



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: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

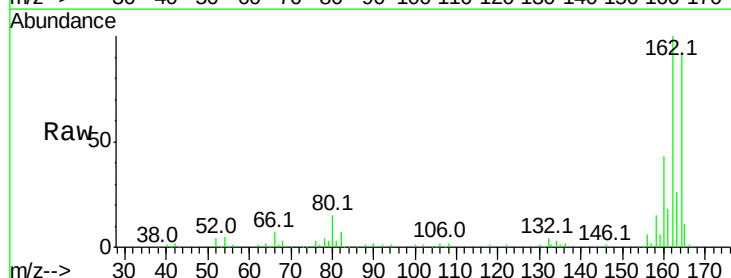
Tgt Ion:164 Resp: 89125

Ion Ratio Lower Upper

164 100

162 109.2 86.1 129.1

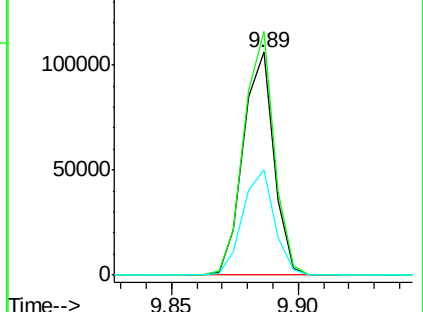
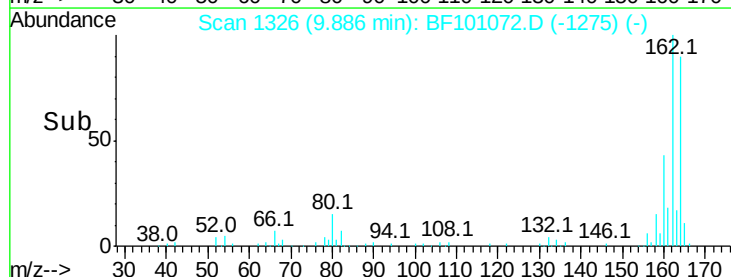
160 47.1 38.3 57.5

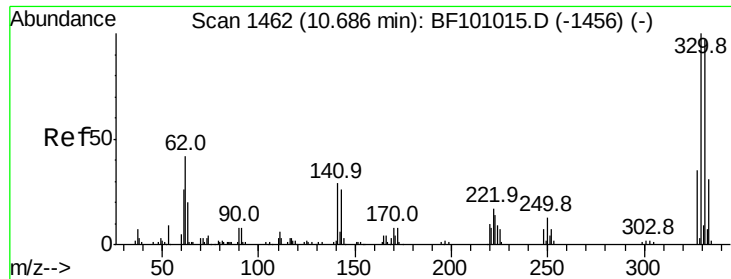


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 88.025 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

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ClientSampleId :

DBNW1A-2-4

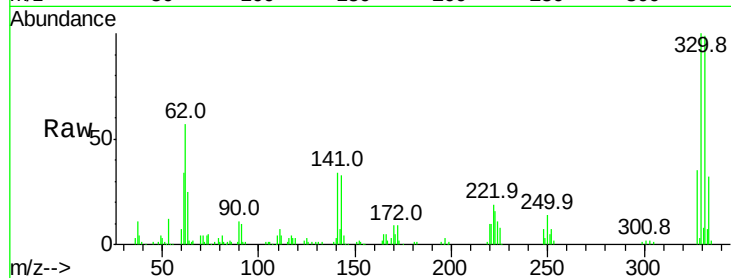
Tot Ion:330 Resp: 94244

Ion Ratio Lower Upper

330 100

332 98.7 77.0 115.6

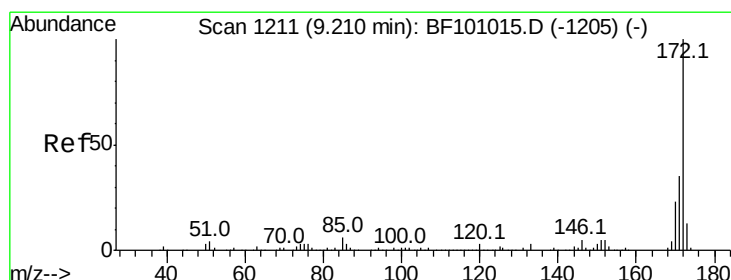
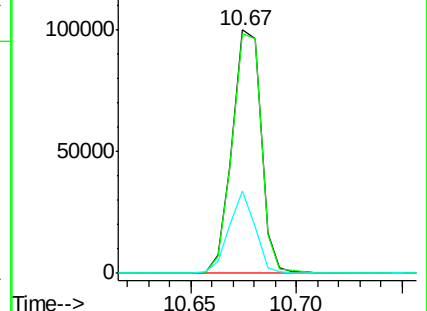
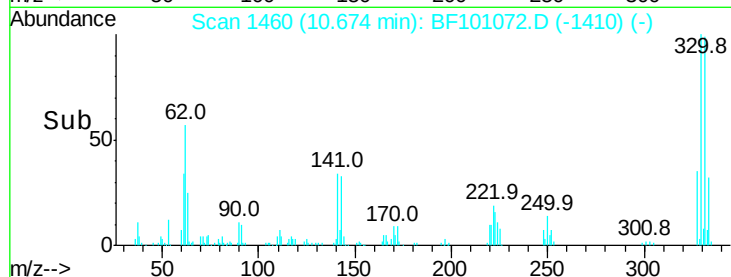
141 30.2 29.9 44.9



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: 78.892 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

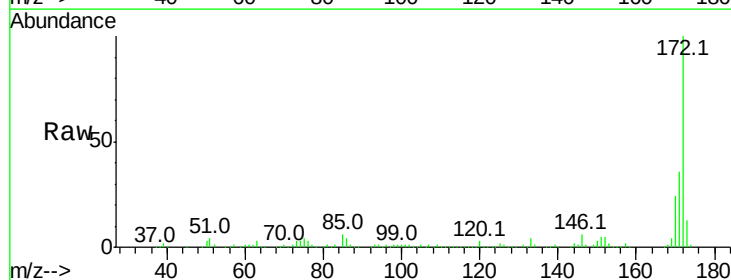
Tgt Ion:172 Resp: 513903

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

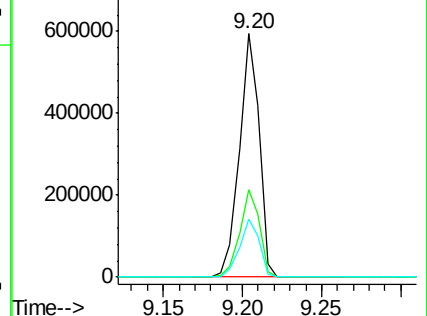
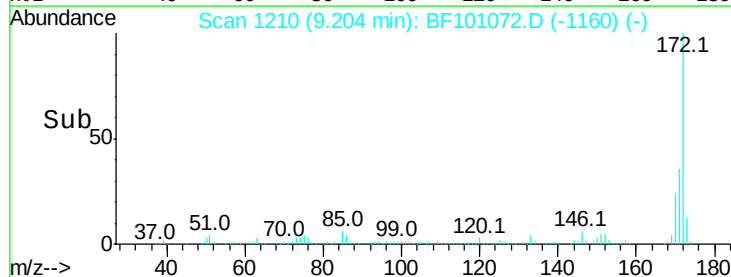
170 23.9 19.6 29.4

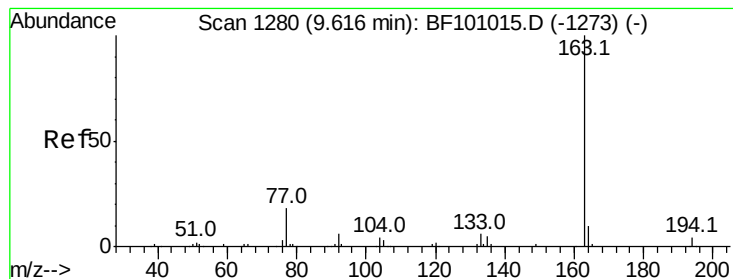


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.065 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

BNA_F

ClientSampleId :

DBNW1A-2-4

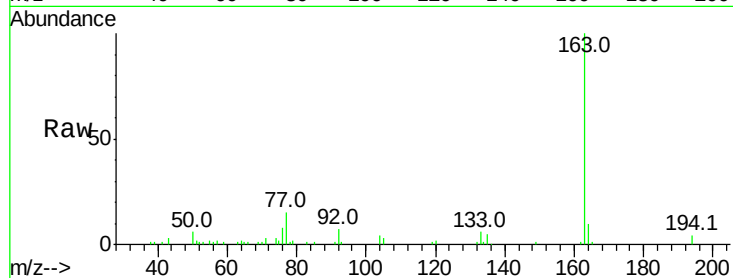
Tot Ion:163 Resp: 50780

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

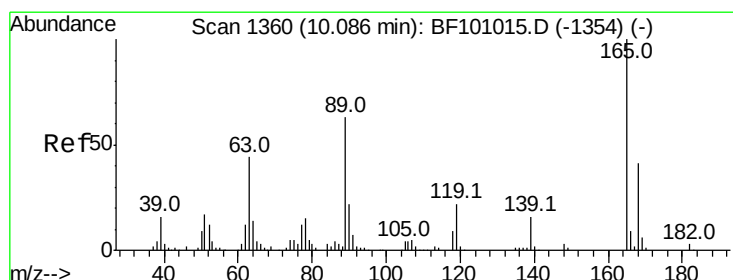
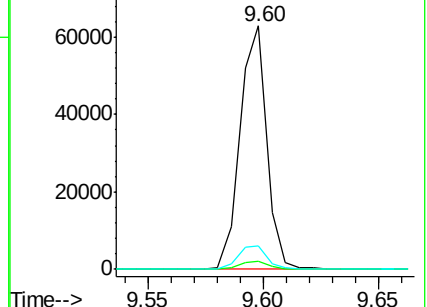
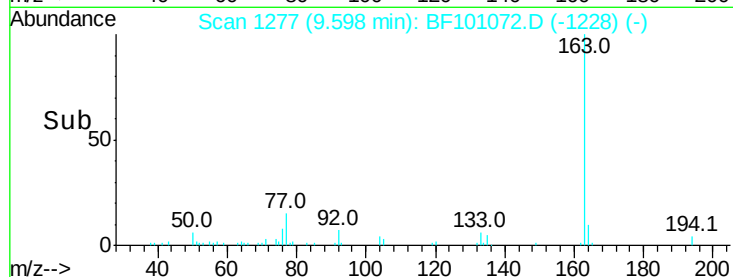
164 9.8 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.543 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.19 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Tgt Ion:165 Resp: 11246

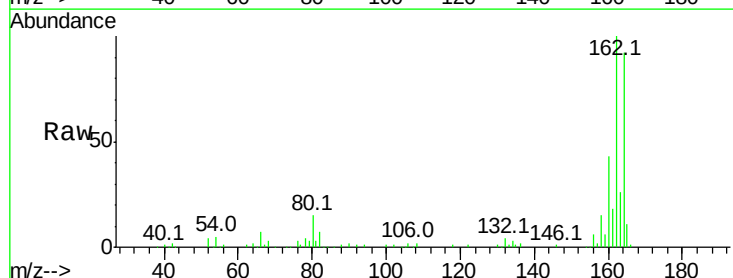
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

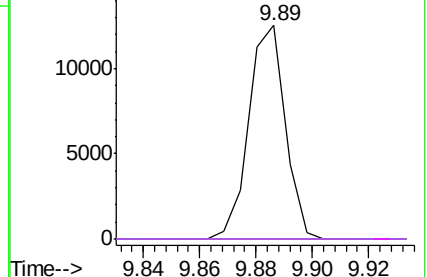
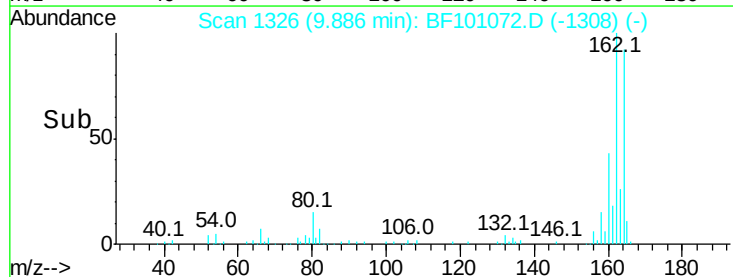


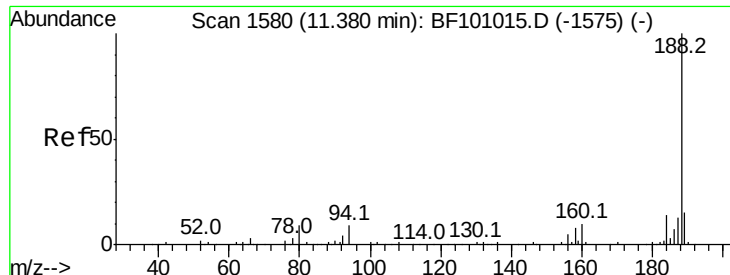
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

BNA_F

ClientSampleId :

DBNW1A-2-4

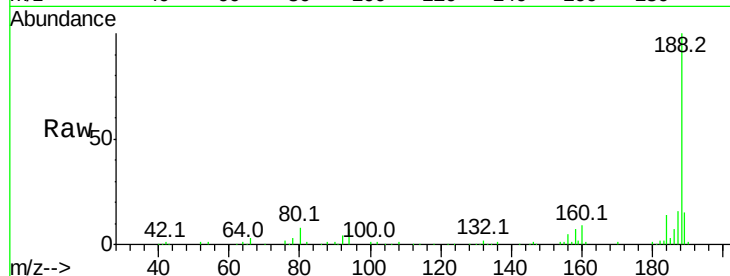
Tot Ion:188 Resp: 141805

Ion Ratio Lower Upper

188 100

94 6.9 8.5 12.7#

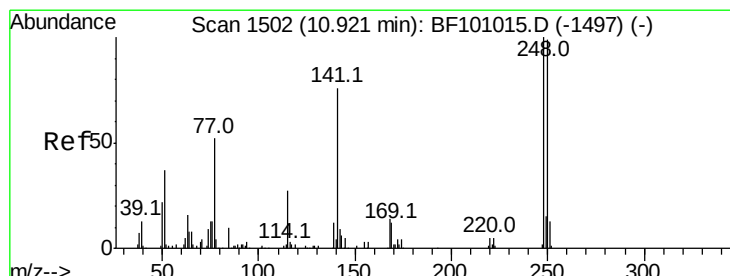
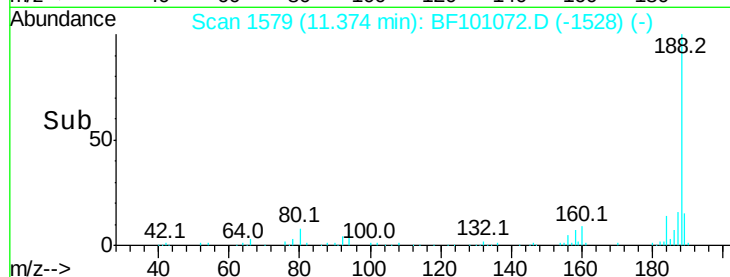
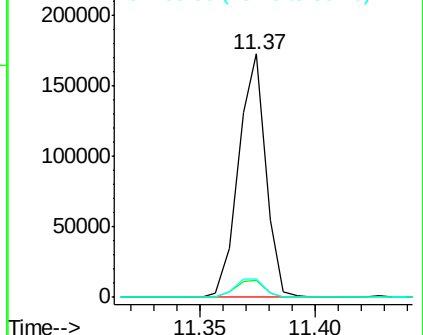
80 7.7 9.2 13.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.945 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.24 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

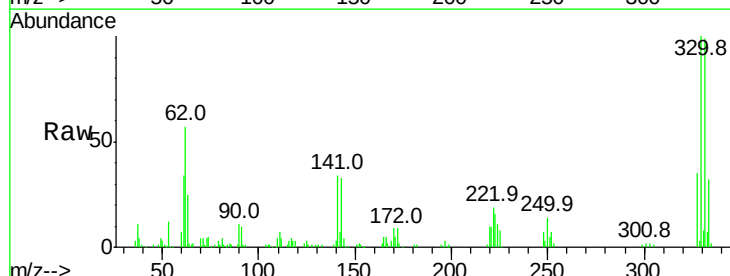
Tgt Ion:248 Resp: 6262

Ion Ratio Lower Upper

248 100

250 200.9 76.9 115.3#

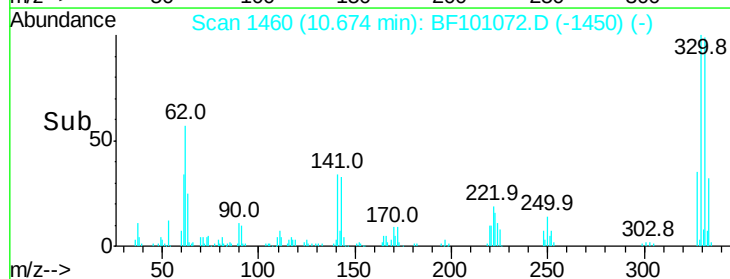
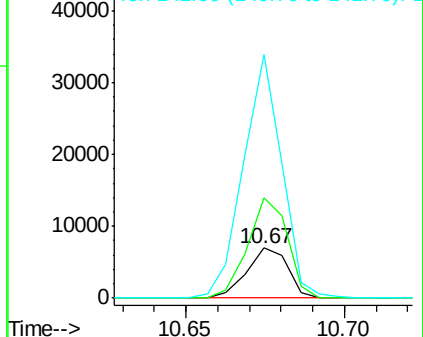
141 486.0 74.4 111.6#

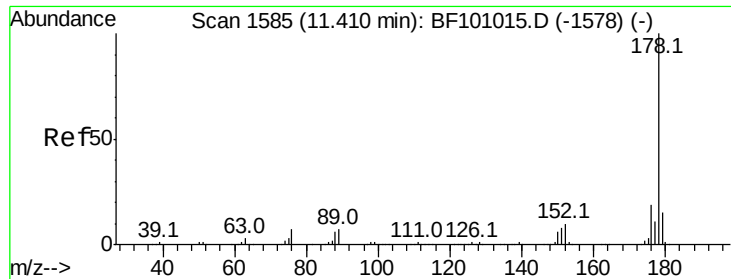


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

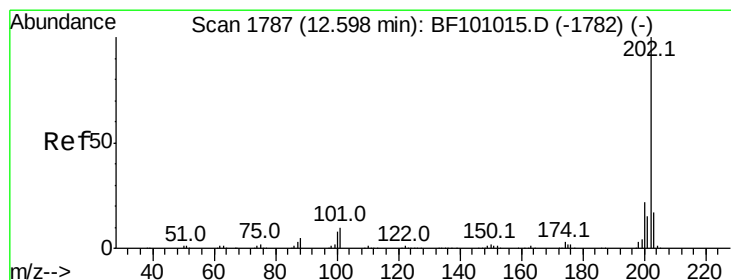
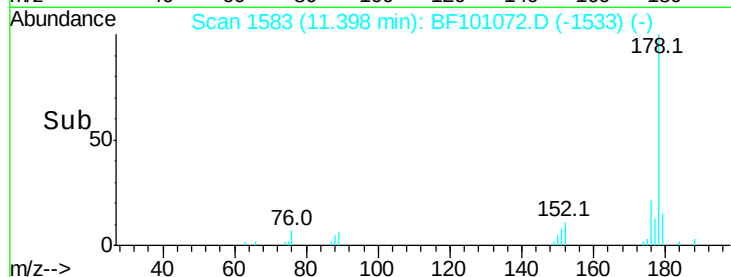
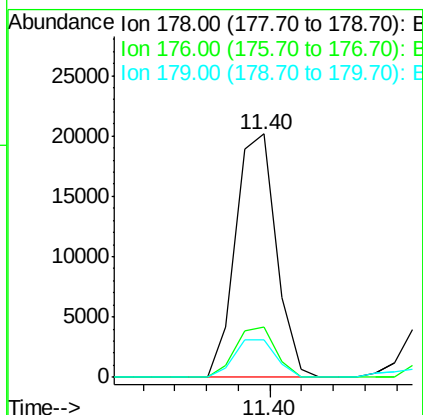
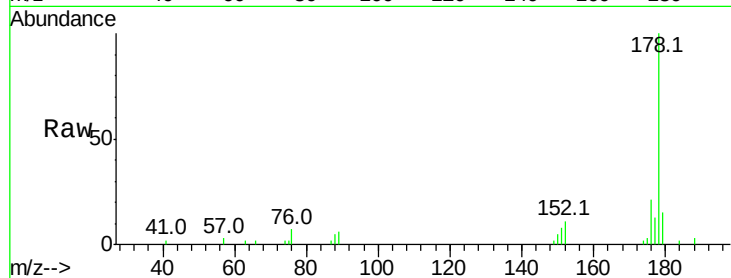




#70
Phenanthrene
Concen: 2.281 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

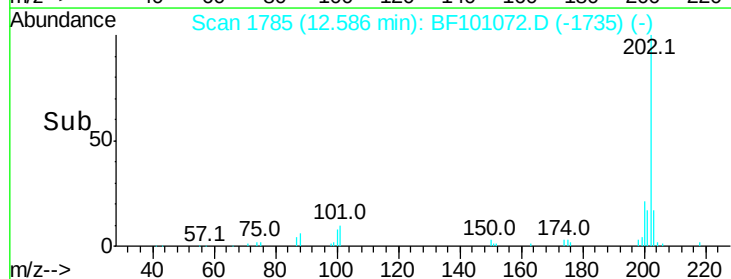
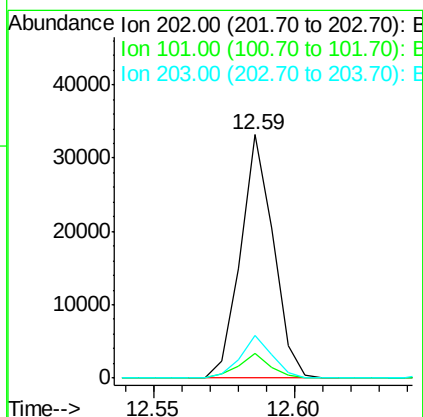
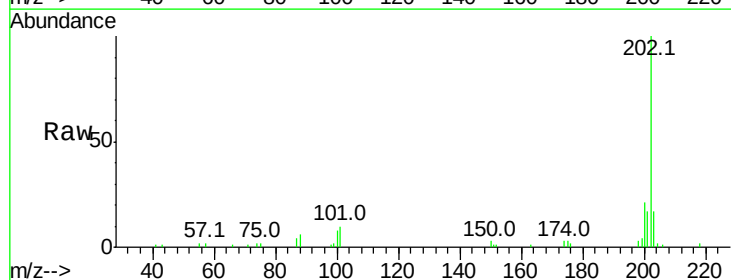
Instrument :
BNA_F
ClientSampleId :
DBNW1A-2-4

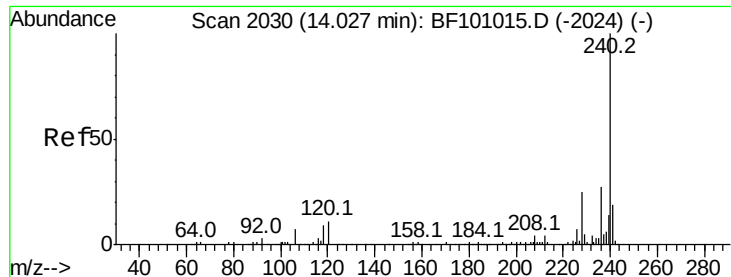
Tot Ion:178 Resp: 17815
Ion Ratio Lower Upper
178 100
176 20.8 15.8 23.8
179 15.3 13.0 19.6



#74
Fluoranthene
Concen: 3.094 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

Tgt Ion:202 Resp: 26784
Ion Ratio Lower Upper
202 100
101 10.0 0.0 34.1
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

BNA_F

ClientSampleId :

DBNW1A-2-4

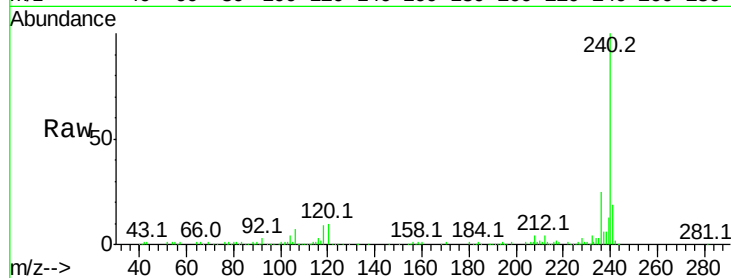
Tot Ion:240 Resp: 122872

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

236 25.2 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

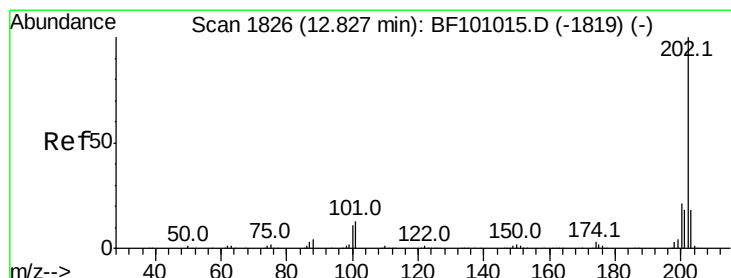
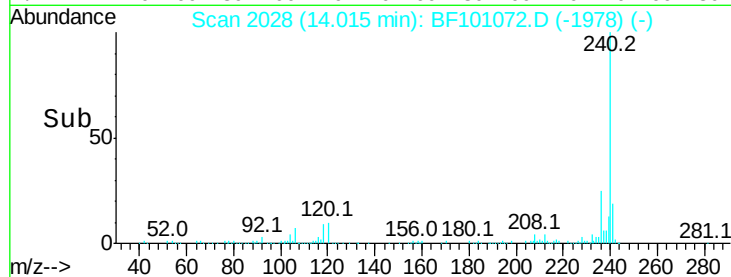
14.02

100000

50000

0

Time--> 13.95 14.00 14.05



#77

Pyrene

Concen: 2.881 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

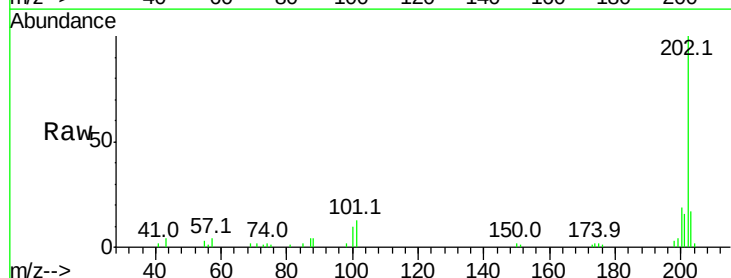
Tgt Ion:202 Resp: 24427

Ion Ratio Lower Upper

202 100

200 18.9 17.4 26.2

203 16.8 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

12.82

40000

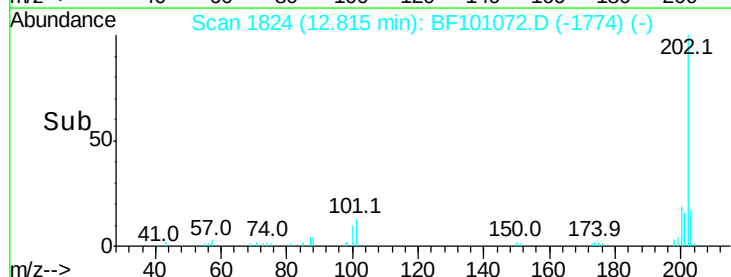
30000

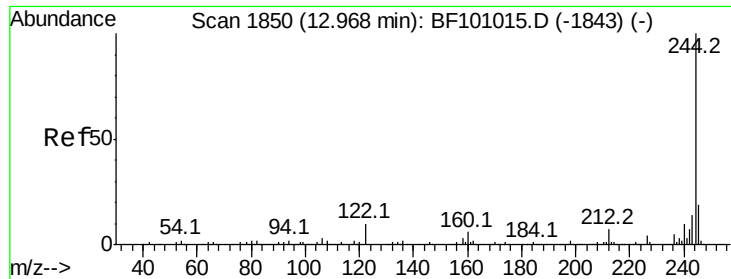
20000

10000

0

Time--> 12.75 12.80 12.85





#78

Terphenyl-d14

Concen: 66.954 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

BNA_F

ClientSampleId :

DBNW1A-2-4

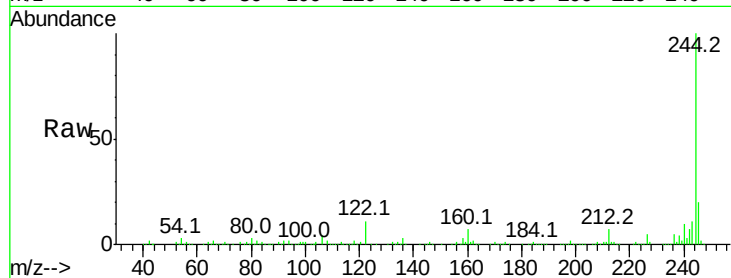
Tot Ion:244 Resp: 376122

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

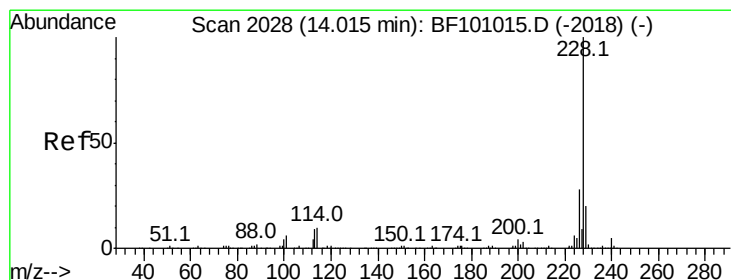
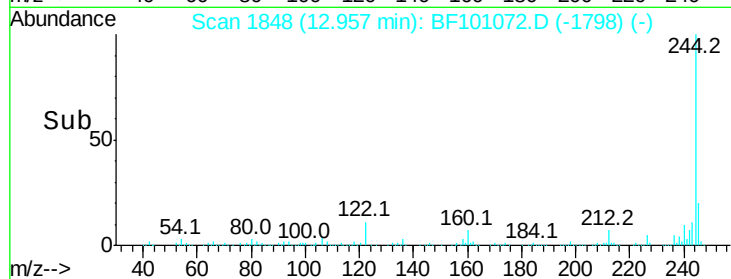
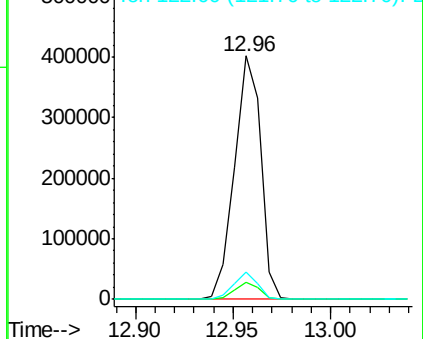
122 11.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.053 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

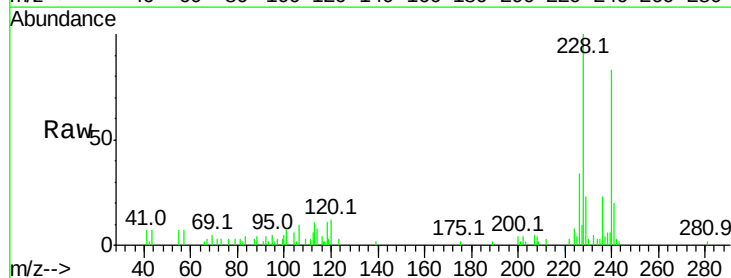
Tgt Ion:228 Resp: 15924

Ion Ratio Lower Upper

228 100

226 33.7 22.6 33.8

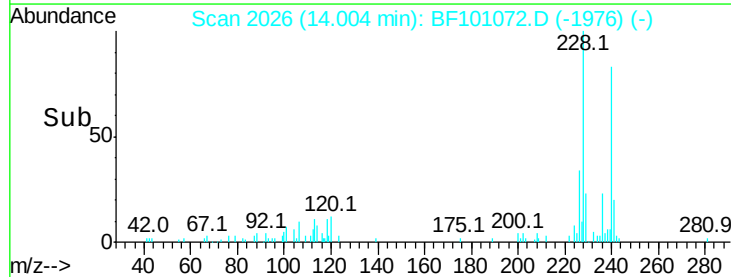
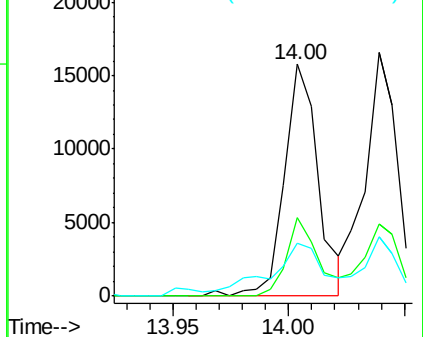
229 22.8 15.8 23.6

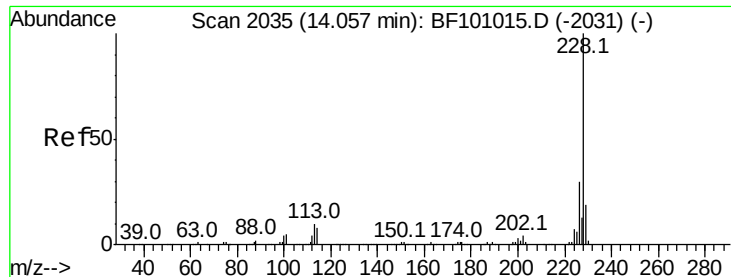


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

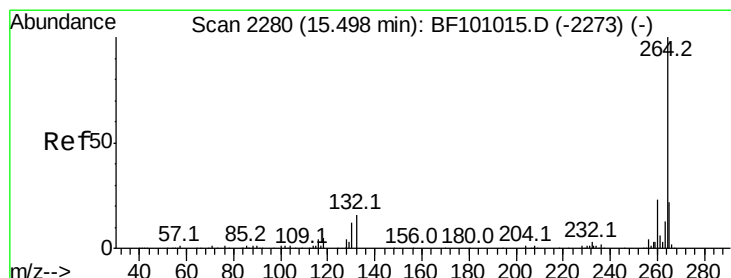
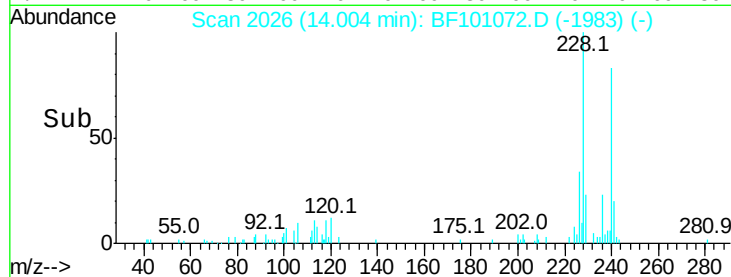
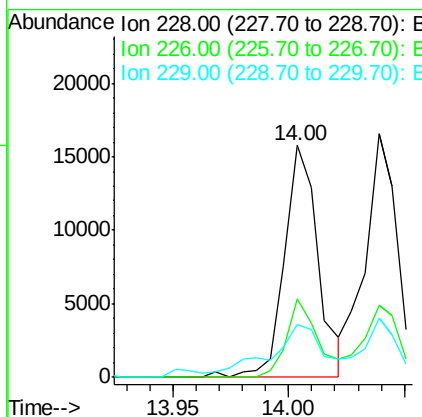
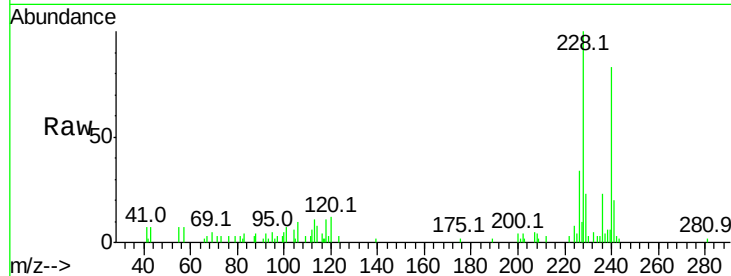




#82
Chrysene
Concen: 2.210 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.05 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

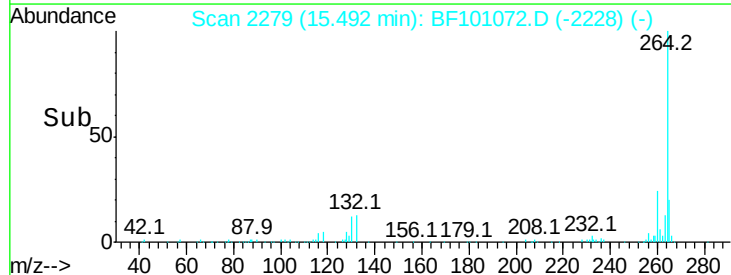
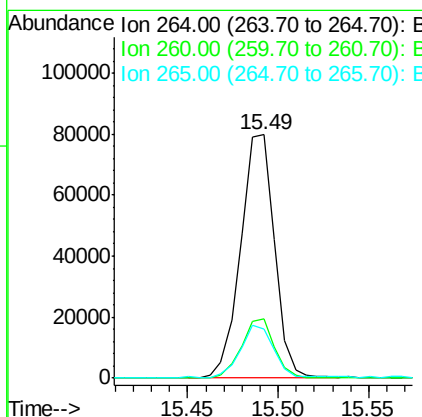
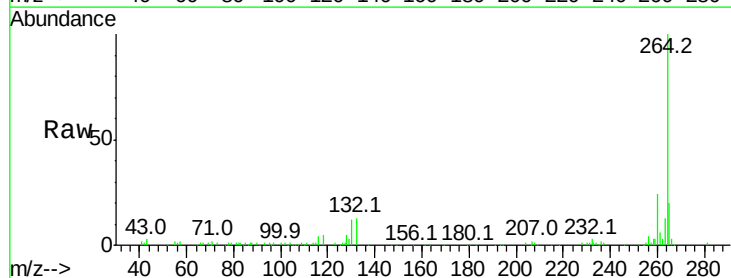
Instrument :
BNA_F
ClientSampleId :
DBNW1A-2-4

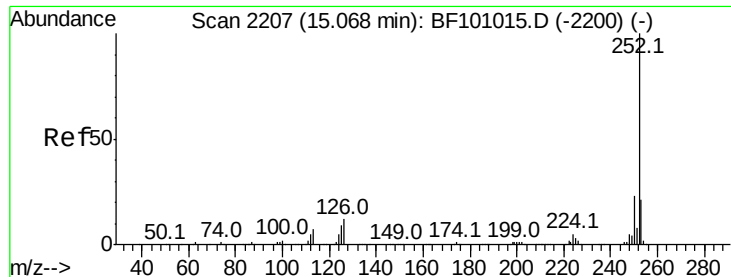
Tot Ion:228 Resp: 15924
Ion Ratio Lower Upper
228 100
226 33.7 25.0 37.6
229 22.8 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

Tgt Ion:264 Resp: 103638
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 20.4 17.5 26.3

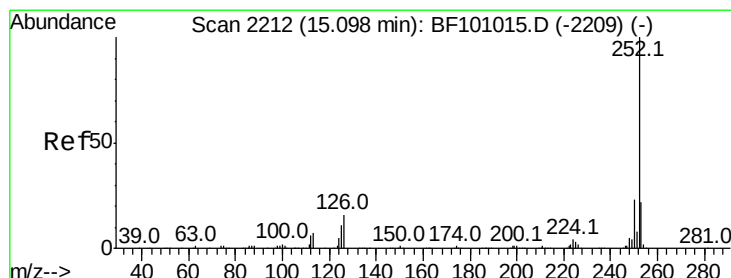
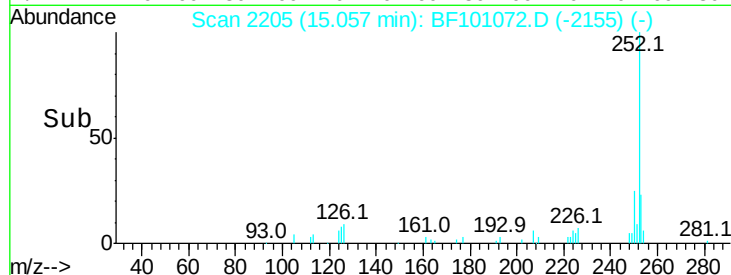
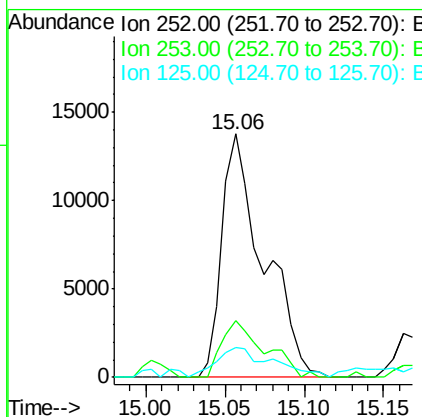
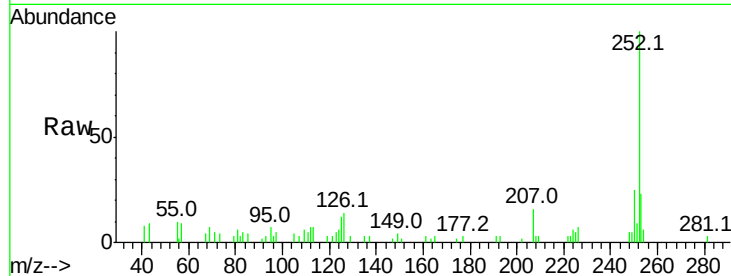




#87
Benzo(b)fluoranthene
Concen: 4.063 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

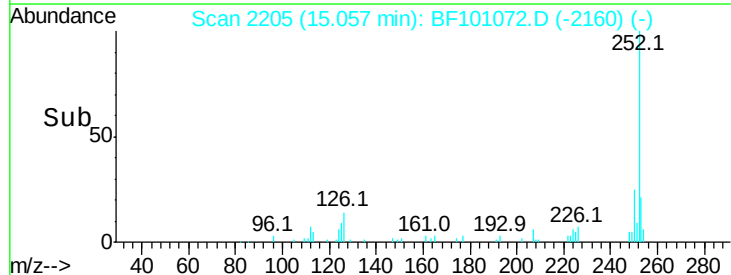
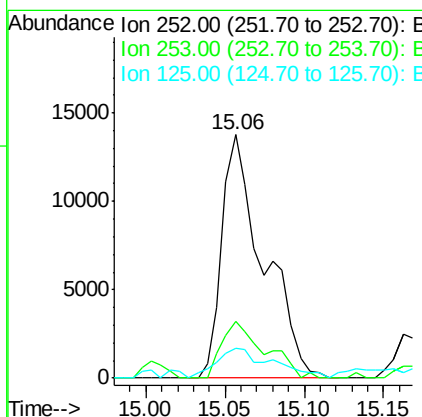
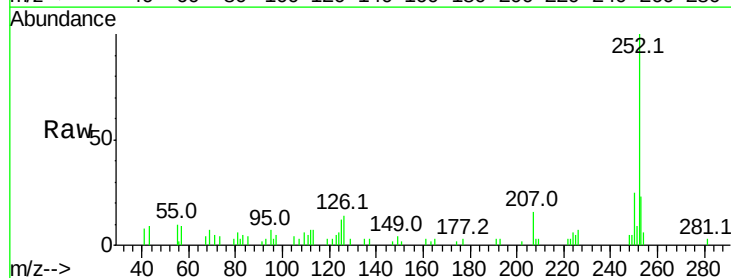
Instrument :
BNA_F
ClientSampleId :
DBNW1A-2-4

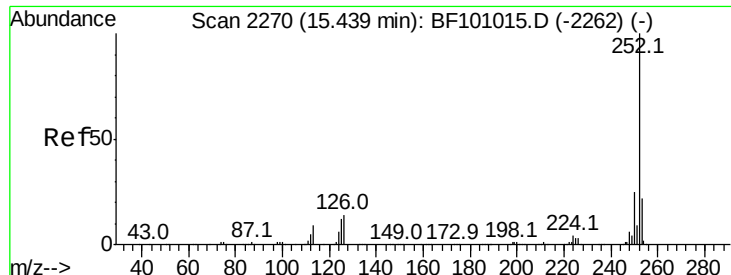
Tot Ion:252 Resp: 25223
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 12.0 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 4.124 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF101072.D
Acq: 1 Dec 2017 19:18

Tgt Ion:252 Resp: 25223
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 12.0 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.109 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF101072.D

Acq: 1 Dec 2017 19:18

Instrument :

BNA_F

ClientSampleId :

DBNW1A-2-4

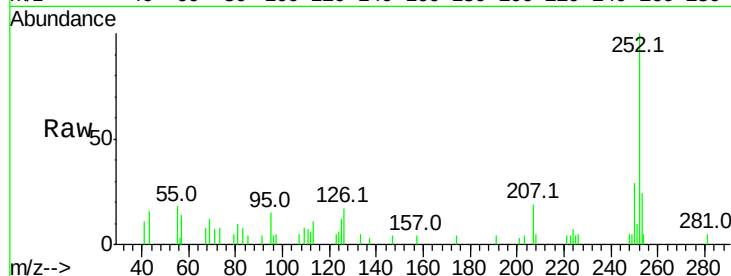
Tot Ion:252 Resp: 11904

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 11.7 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

