

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102074.D
 Acq On : 15 Jan 2018 20:27
 Operator : SJ/JU
 Sample : J1117-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 15 23:45:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	205577	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	815203	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	307977	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	433145	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	361412	20.00	ng	-0.01
86) Perylene-d12	15.28	264	355583	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1323219	90.89	ng	0.00
7) Phenol-d6	6.36	99	1611177	92.76	ng	0.00
23) Nitrobenzene-d5	7.29	82	1026587	74.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	212002	78.88	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1469944	74.57	ng	-0.01
78) Terphenyl-d14	12.82	244	952553	54.72	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	28865	2.393	ng	82
10) Phenol	6.37	94	45049	2.295	ng	96
19) n-Nitroso-di-n-propylamine	7.29	70	141458	12.427	ng	# 82
25) Isophorone	7.29	82	1022525	37.304	ng	# 64
49) Dimethylphthalate	9.47	163	208523	8.440	ng	99
53) 2,4-Dinitrophenol	10.01	184	191	8.748	ng	# 10
64) 4,6-Dinitro-2-methylphenol	10.40	198	107	5.702	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	14110	3.085	ng	# 1

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

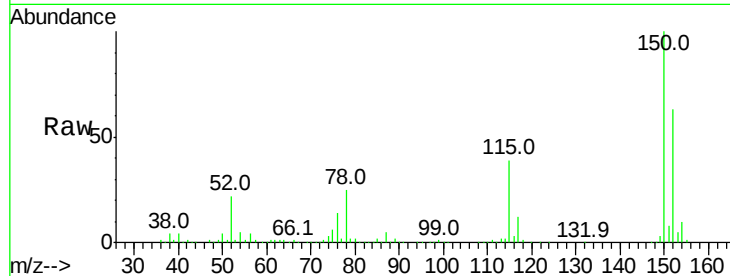


#1

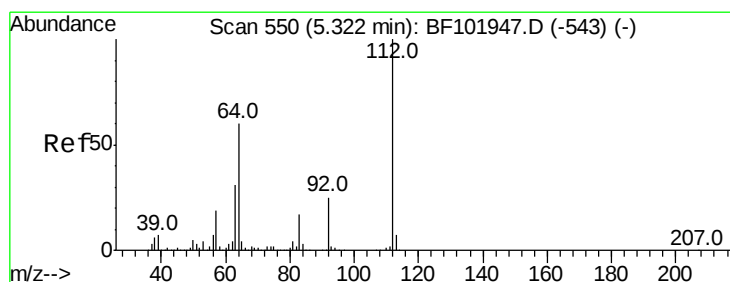
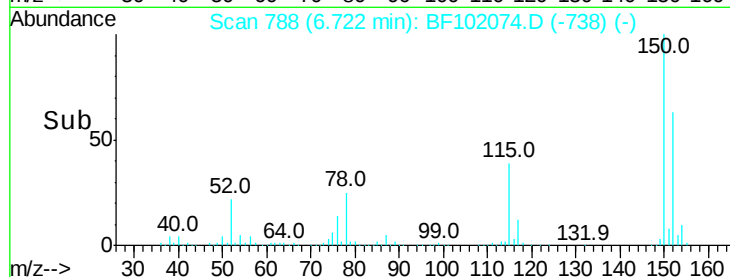
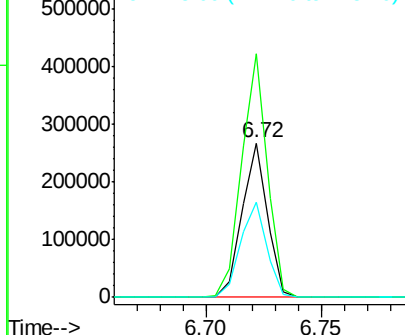
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102074.D
Acq: 15 Jan 2018 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 205577
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 61.8 50.1 75.1



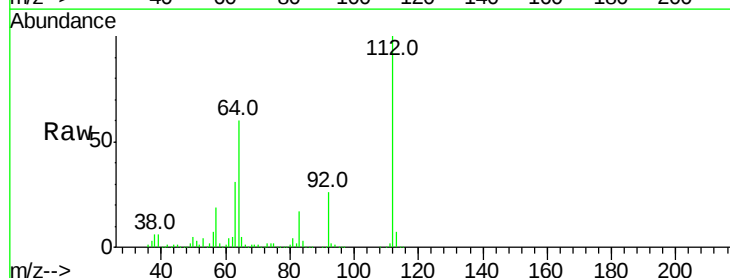
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



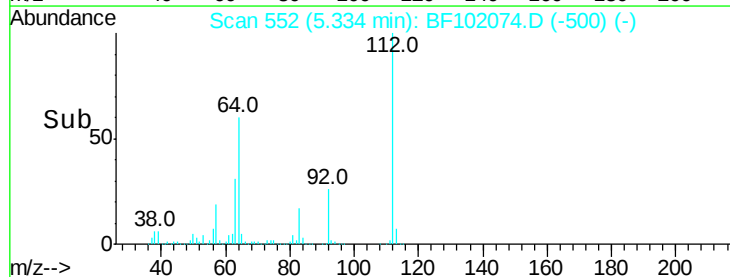
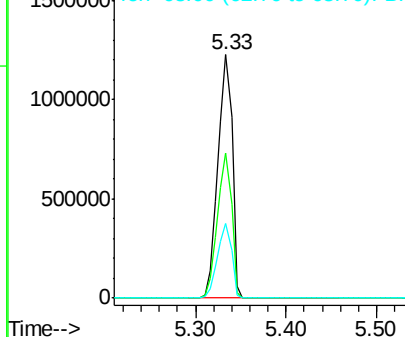
#5

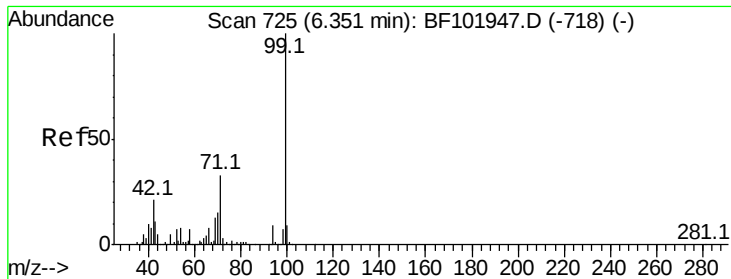
2-Fluorophenol
Concen: 90.890 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102074.D
Acq: 15 Jan 2018 20:27

Tgt Ion:112 Resp: 1323219
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 30.7 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: 92.758 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

Instrument :

BNA_F

ClientSampleId :

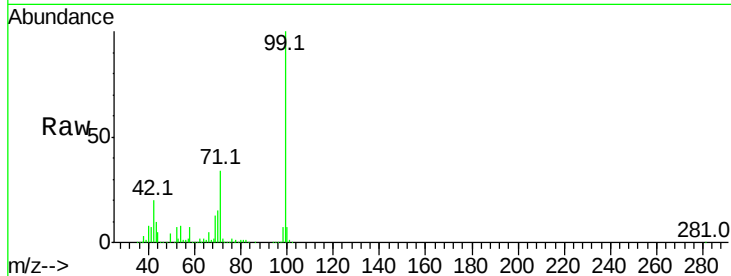
Tot Ion: 99 Resp: 1611177

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

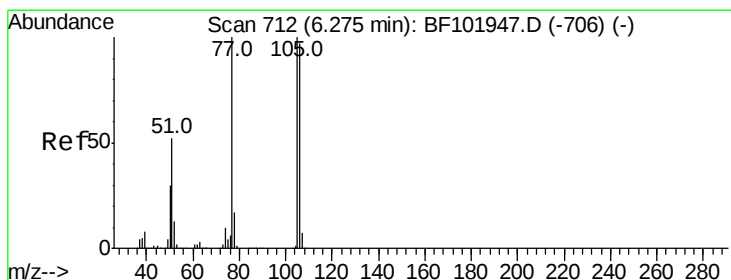
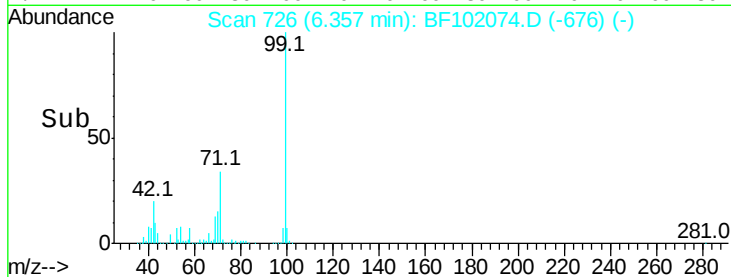
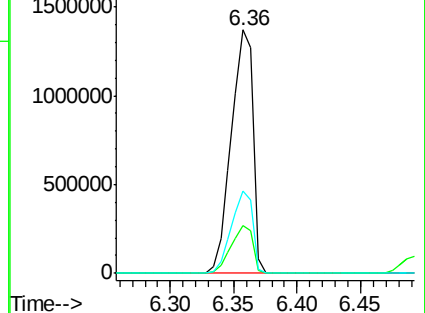
71 33.9 25.4 38.0



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: 2.393 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

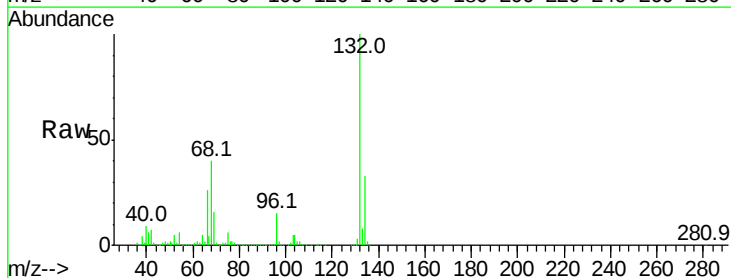
Tgt Ion: 77 Resp: 28865

Ion Ratio Lower Upper

77 100

105 84.1 81.1 121.1

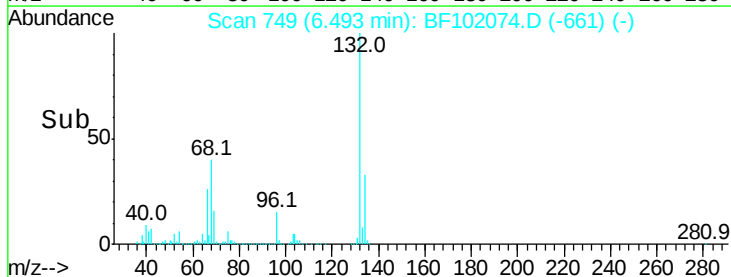
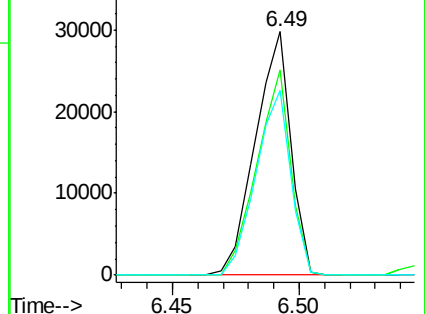
106 75.8 74.5 114.5

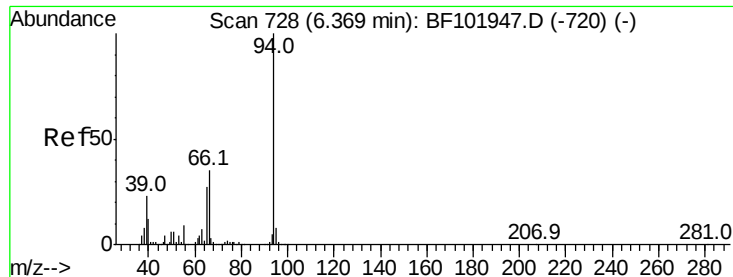


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.295 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

Instrument :

BNA_F

ClientSampleId :

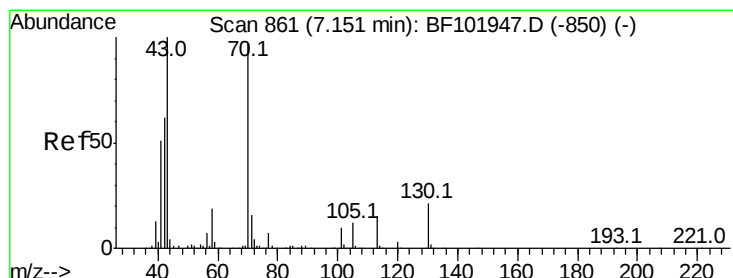
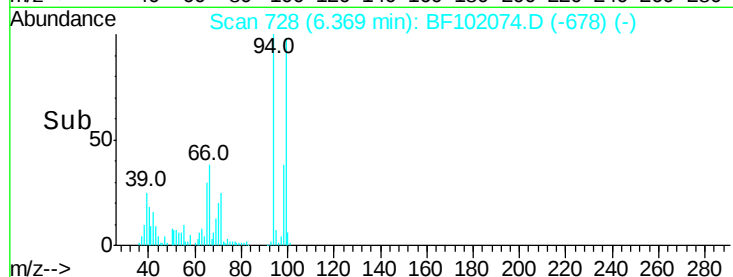
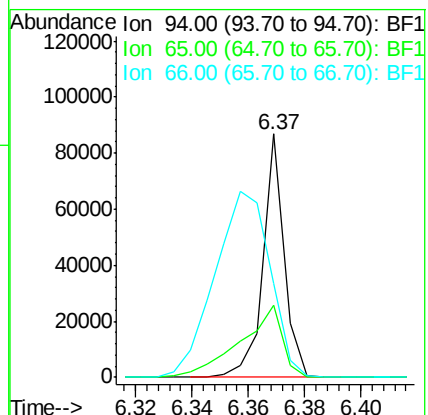
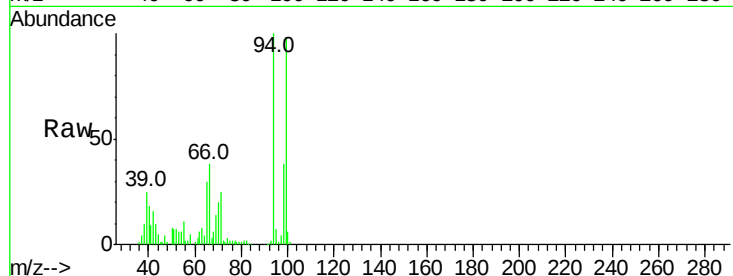
Tot Ion: 94 Resp: 45049

Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

66 38.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.427 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

Tgt Ion: 70 Resp: 141458

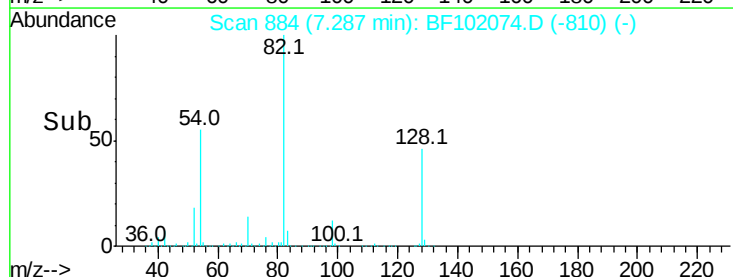
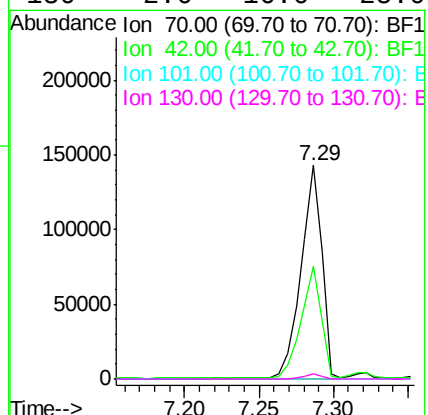
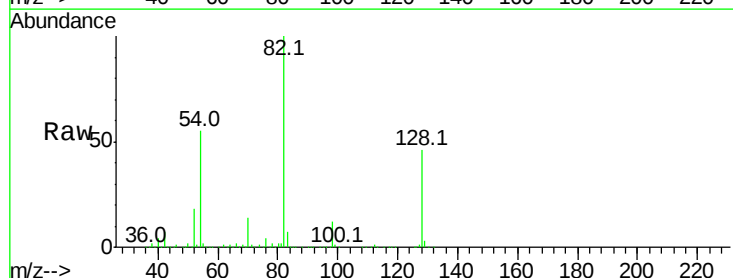
Ion Ratio Lower Upper

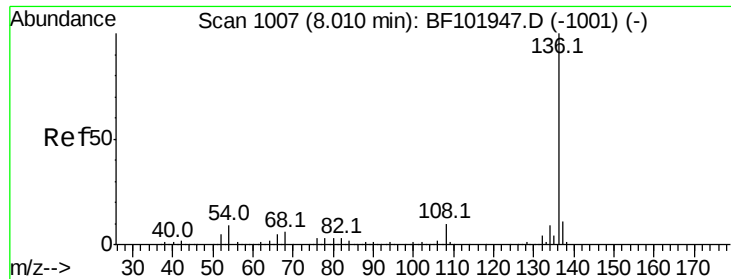
70 100

42 52.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 815203

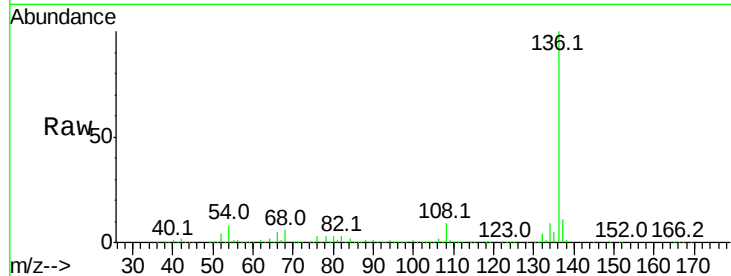
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.0 6.6 9.8

68 5.7 5.0 7.4

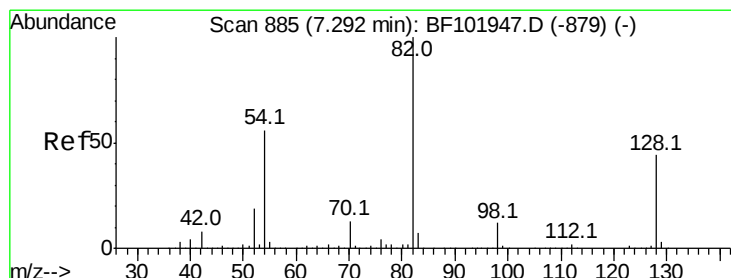
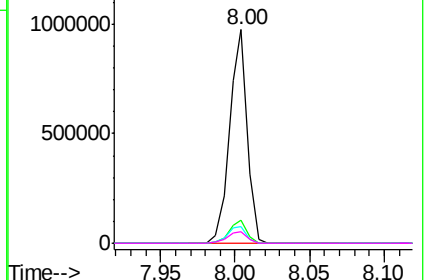
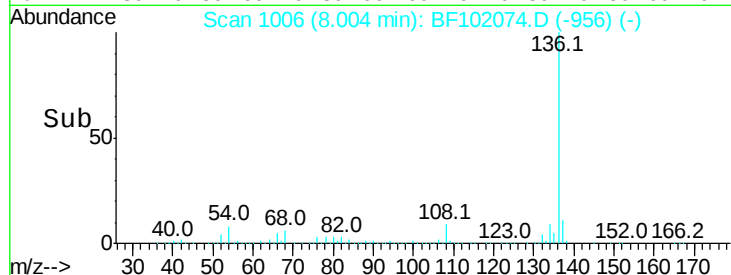


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.002 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

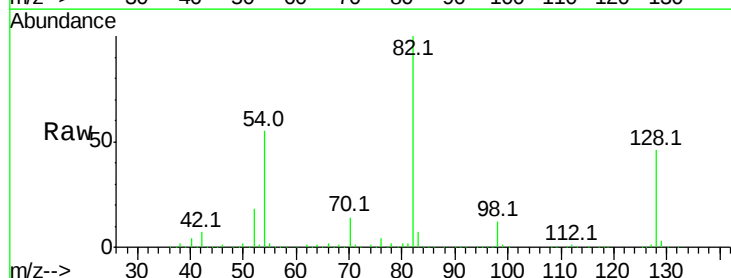
Tgt Ion: 82 Resp: 1026587

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

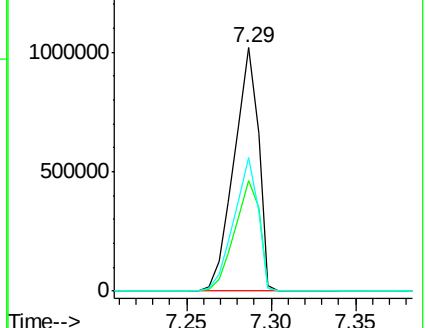
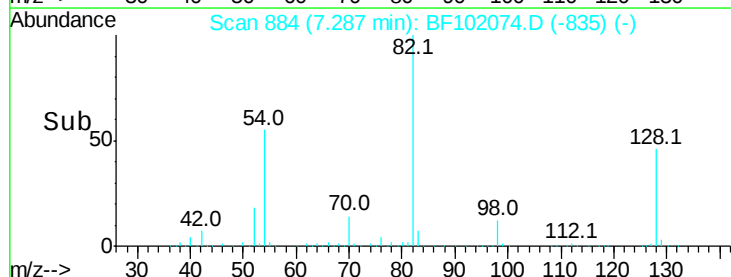
54 54.9 41.4 62.2

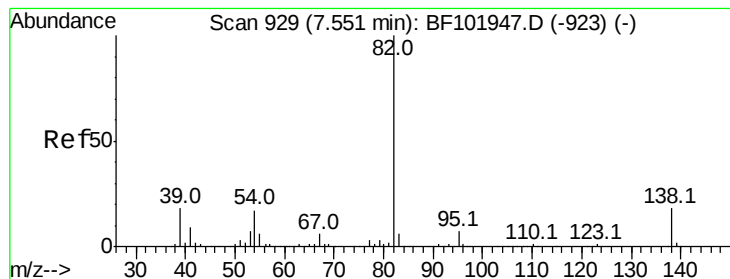


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.304 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

Instrument :

BNA_F

ClientSampleId :

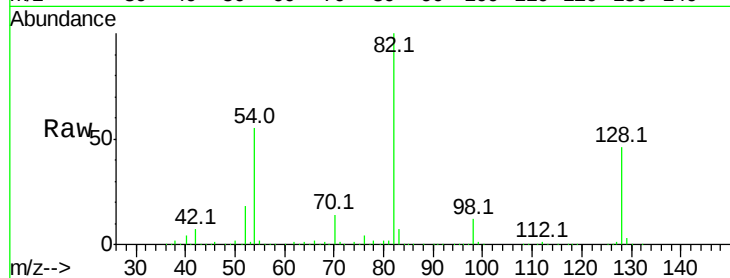
Tot Ion: 82 Resp: 1022525

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

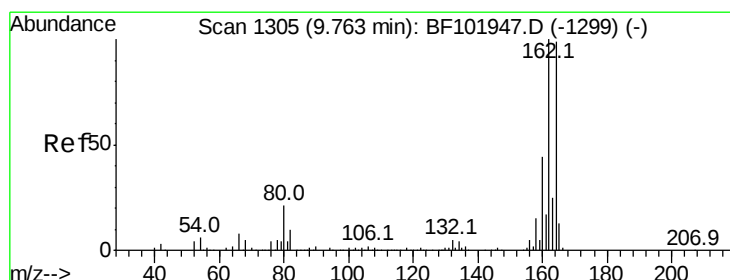
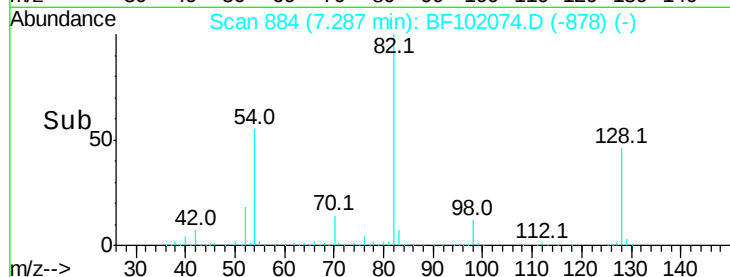
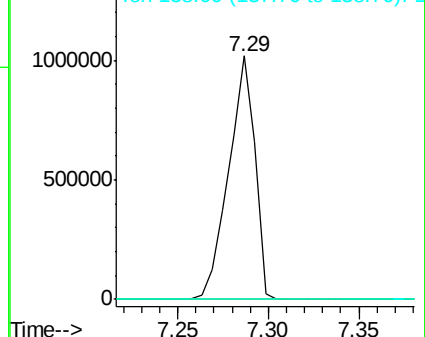
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

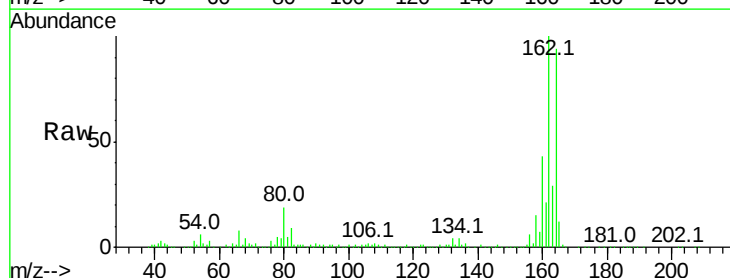
Tgt Ion:164 Resp: 307977

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

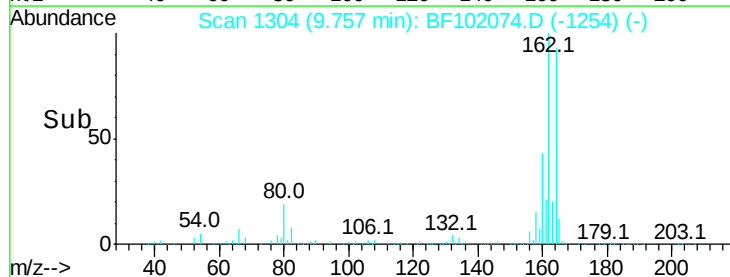
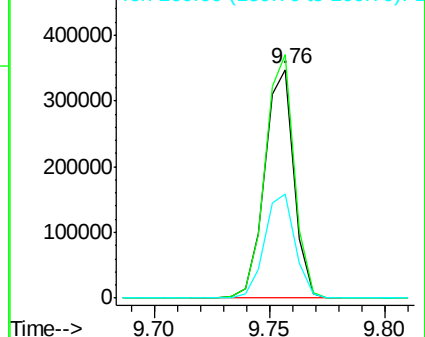
160 45.5 38.3 57.5

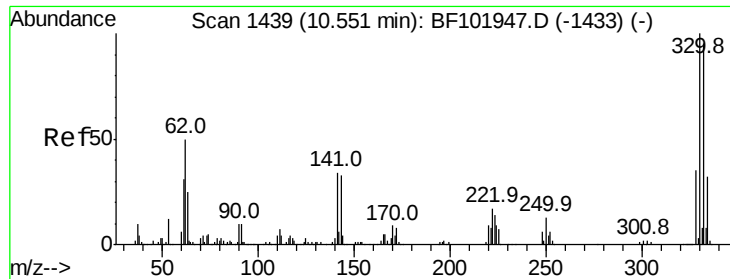


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 78.879 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

Instrument :

BNA_F

ClientSampleId :

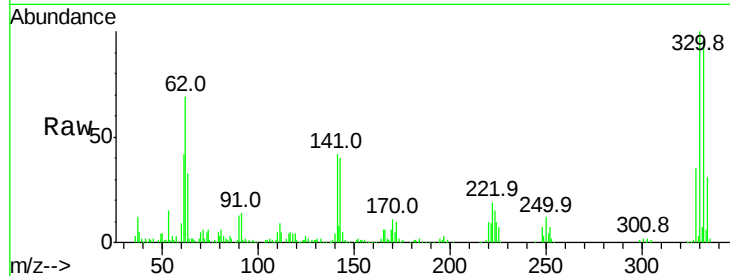
Tot Ion:330 Resp: 212002

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

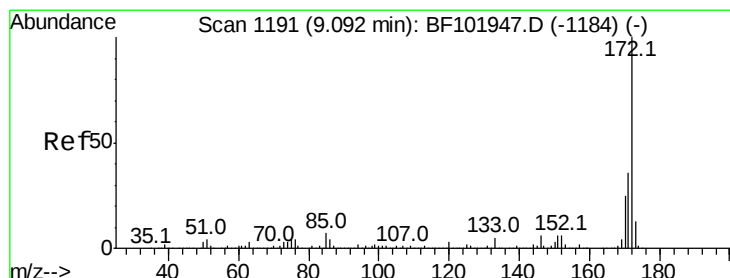
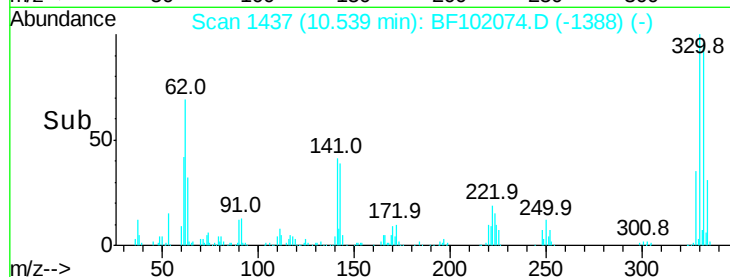
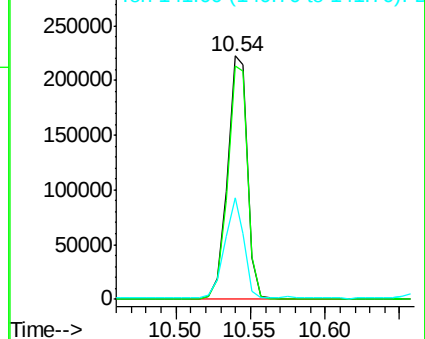
141 38.8 29.9 44.9



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: 74.566 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

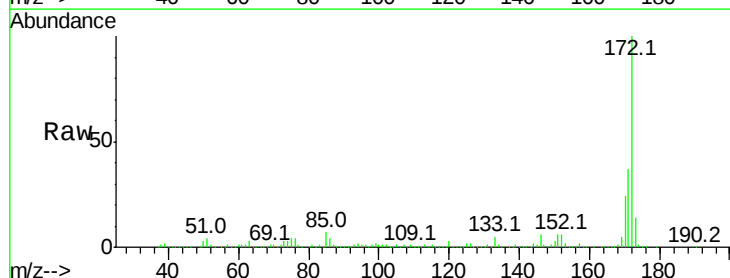
Tgt Ion:172 Resp: 1469944

Ion Ratio Lower Upper

172 100

171 37.2 29.7 44.5

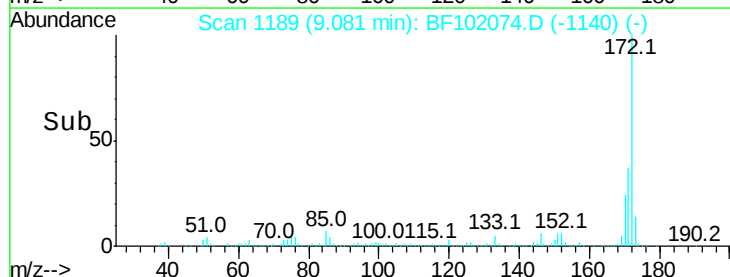
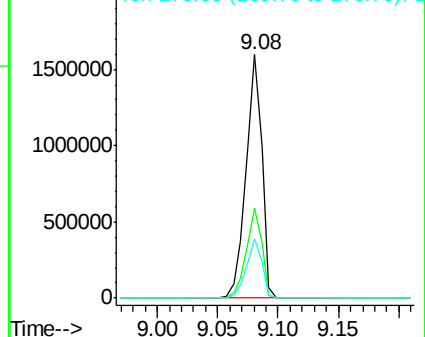
170 24.4 19.6 29.4

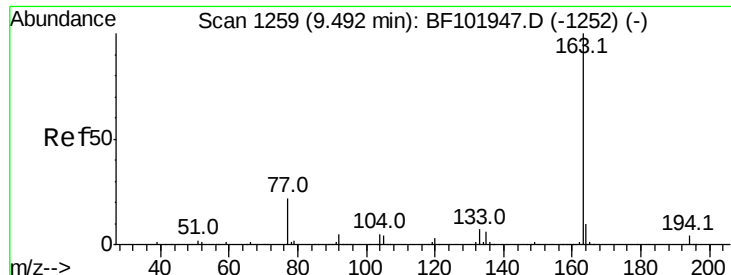


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 8.440 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

Instrument :

BNA_F

ClientSampleId :

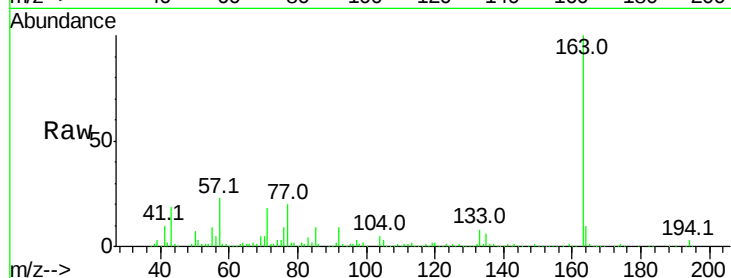
Tot Ion:163 Resp: 208523

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

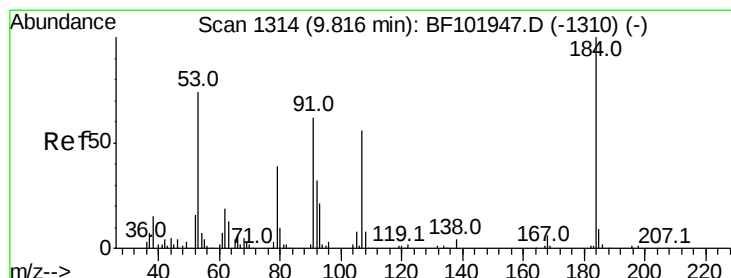
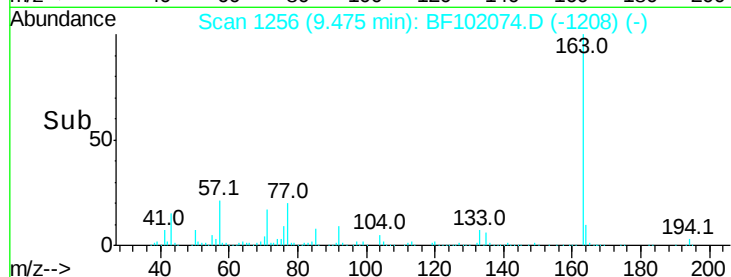
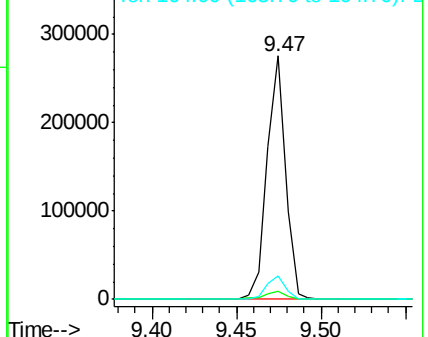
164 9.9 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 8.748 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.19 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

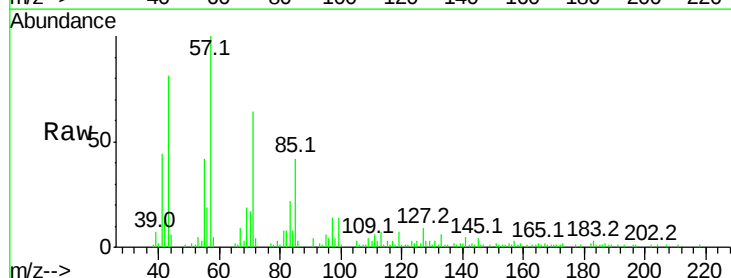
Tgt Ion:184 Resp: 191

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

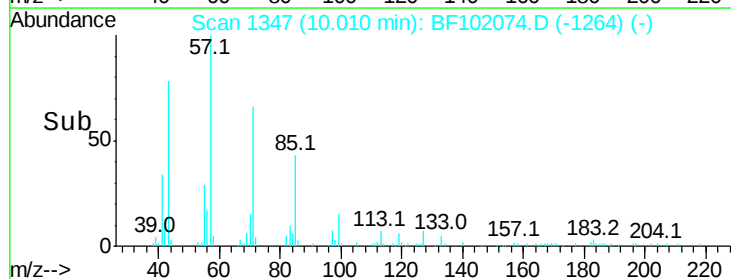
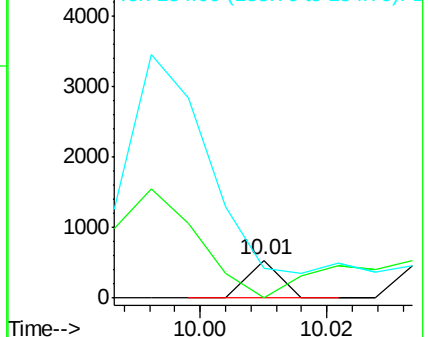
154 78.6 184.0 276.0#

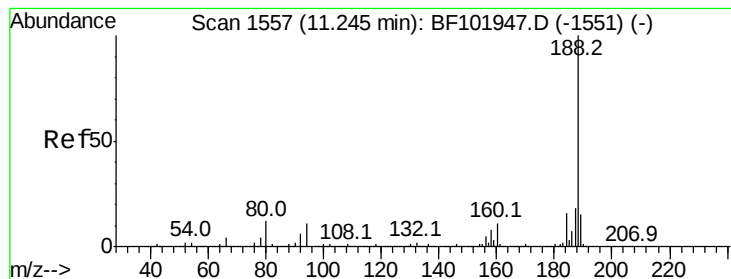


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

Instrument :

BNA_F

ClientSampleId :

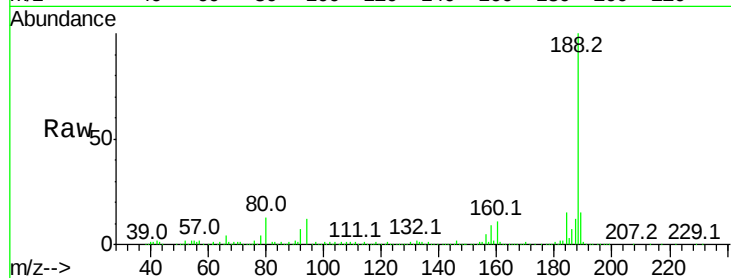
Tot Ion:188 Resp: 433145

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

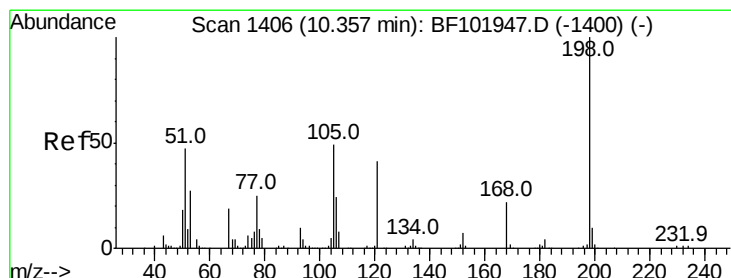
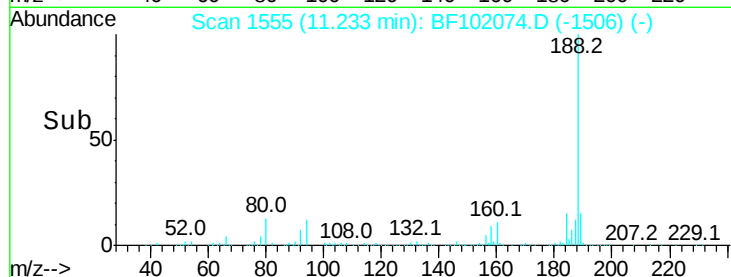
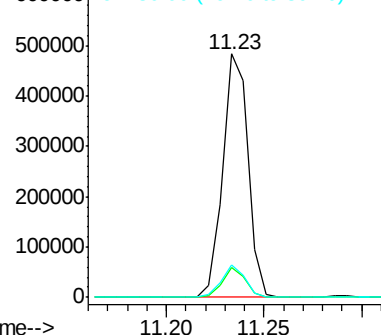
80 13.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.702 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.05 min

Lab File: BF102074.D

Acq: 15 Jan 2018 20:27

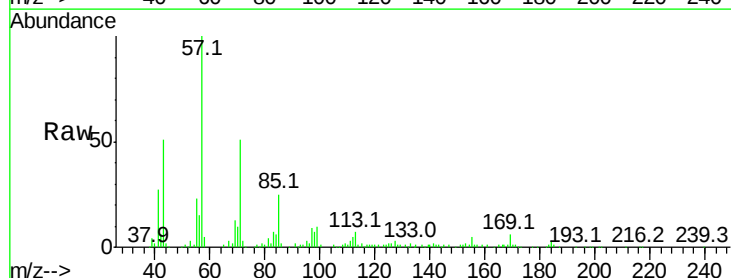
Tgt Ion:198 Resp: 107

Ion Ratio Lower Upper

198 100

51 193.4 37.7 77.7#

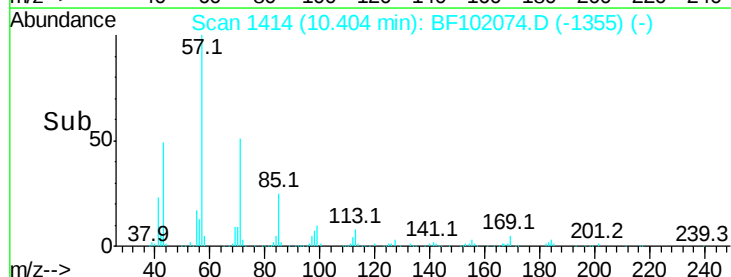
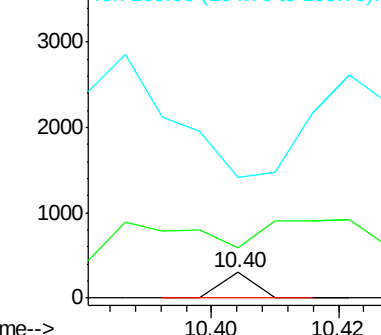
105 463.8 36.3 76.3#

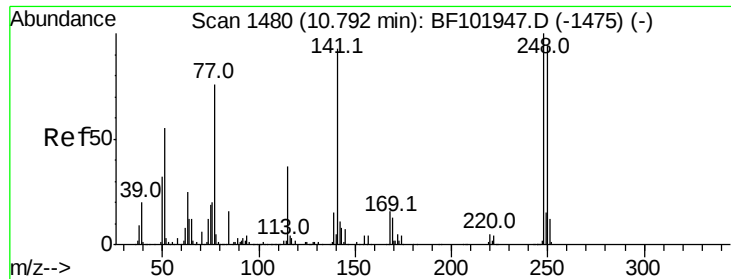


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

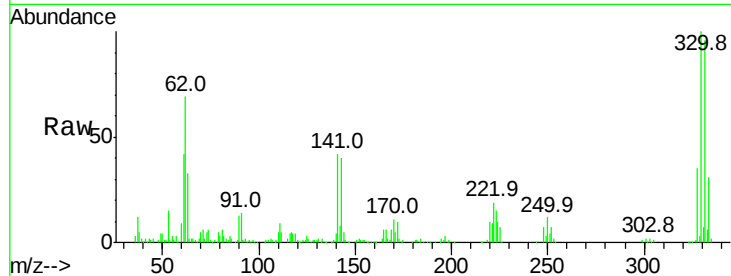




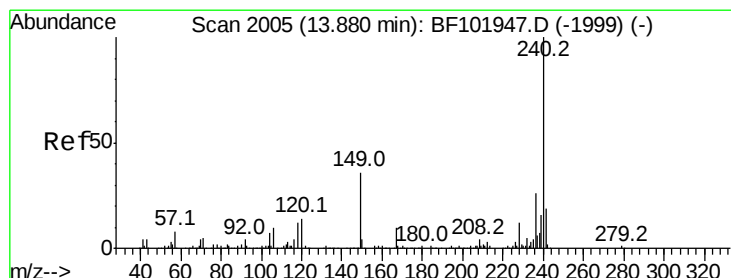
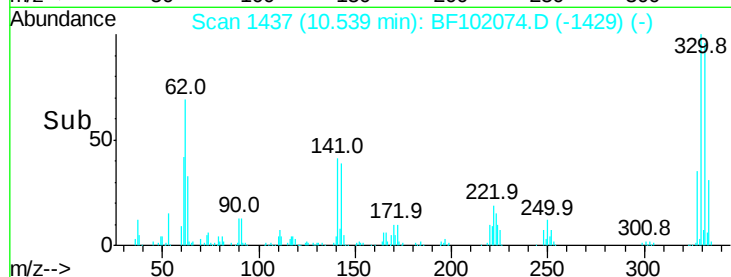
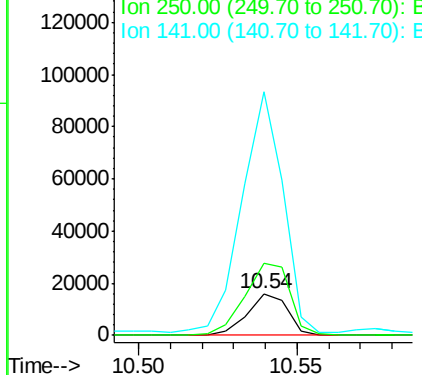
#66
4-Bromophenyl-phenylether
Concen: 3.085 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102074.D
Acq: 15 Jan 2018 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14110
Ion Ratio Lower Upper
248 100
250 173.7 76.9 115.3#
141 584.1 74.4 111.6#

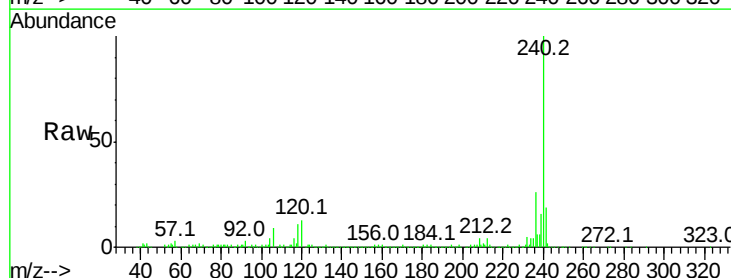


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

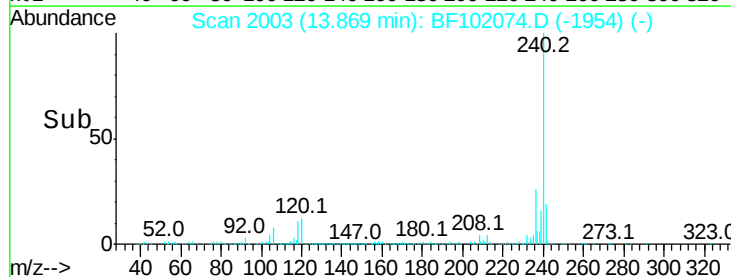
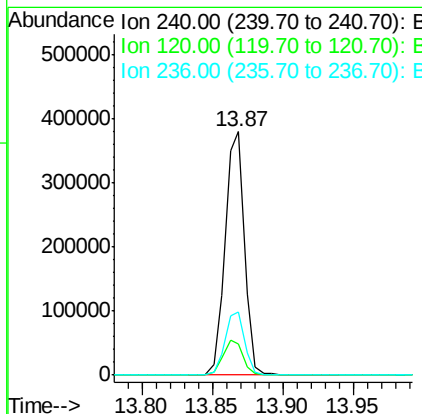


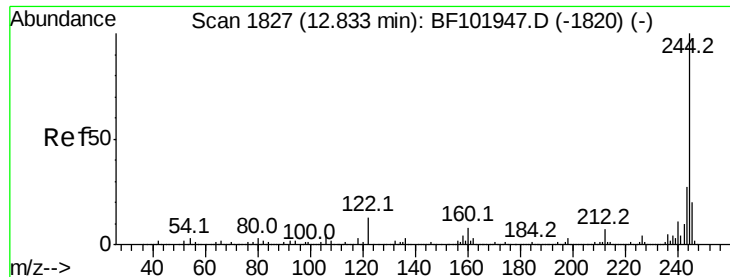
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102074.D
Acq: 15 Jan 2018 20:27

Tgt Ion:240 Resp: 361412
Ion Ratio Lower Upper
240 100
120 12.7 9.5 14.3
236 26.1 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

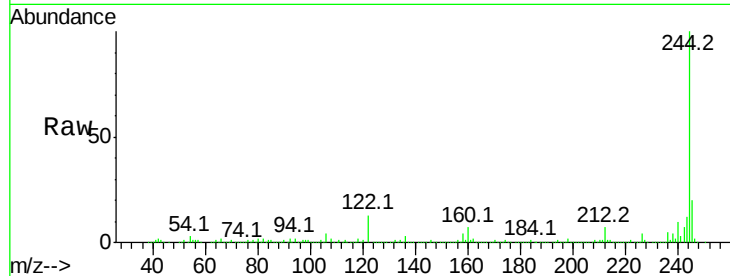




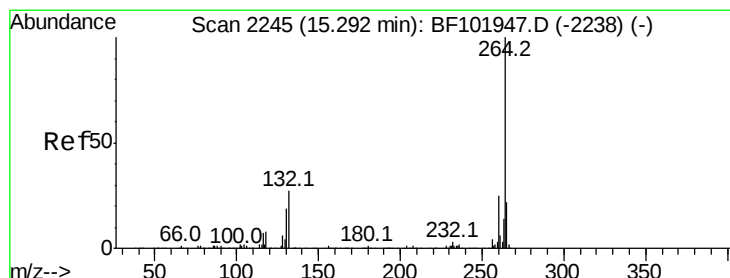
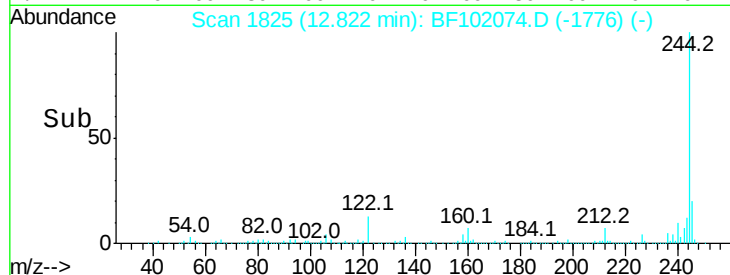
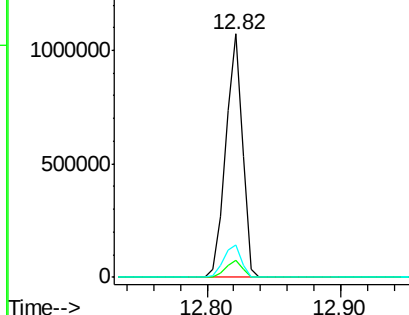
#78
 Terphenyl-d14
 Concen: 54.723 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102074.D
 Acq: 15 Jan 2018 20:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 952553
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.3 11.0 16.4

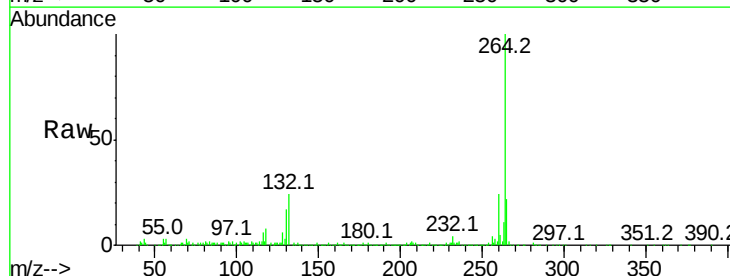


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF102074.D
 Acq: 15 Jan 2018 20:27

Tgt Ion:264 Resp: 355583
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.8 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

