

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122017\
 Data File : BF101575.D
 Acq On : 20 Dec 2017 18:39
 Operator : SJ/JU
 Sample : I6975-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Quant Time: Dec 21 04:05:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

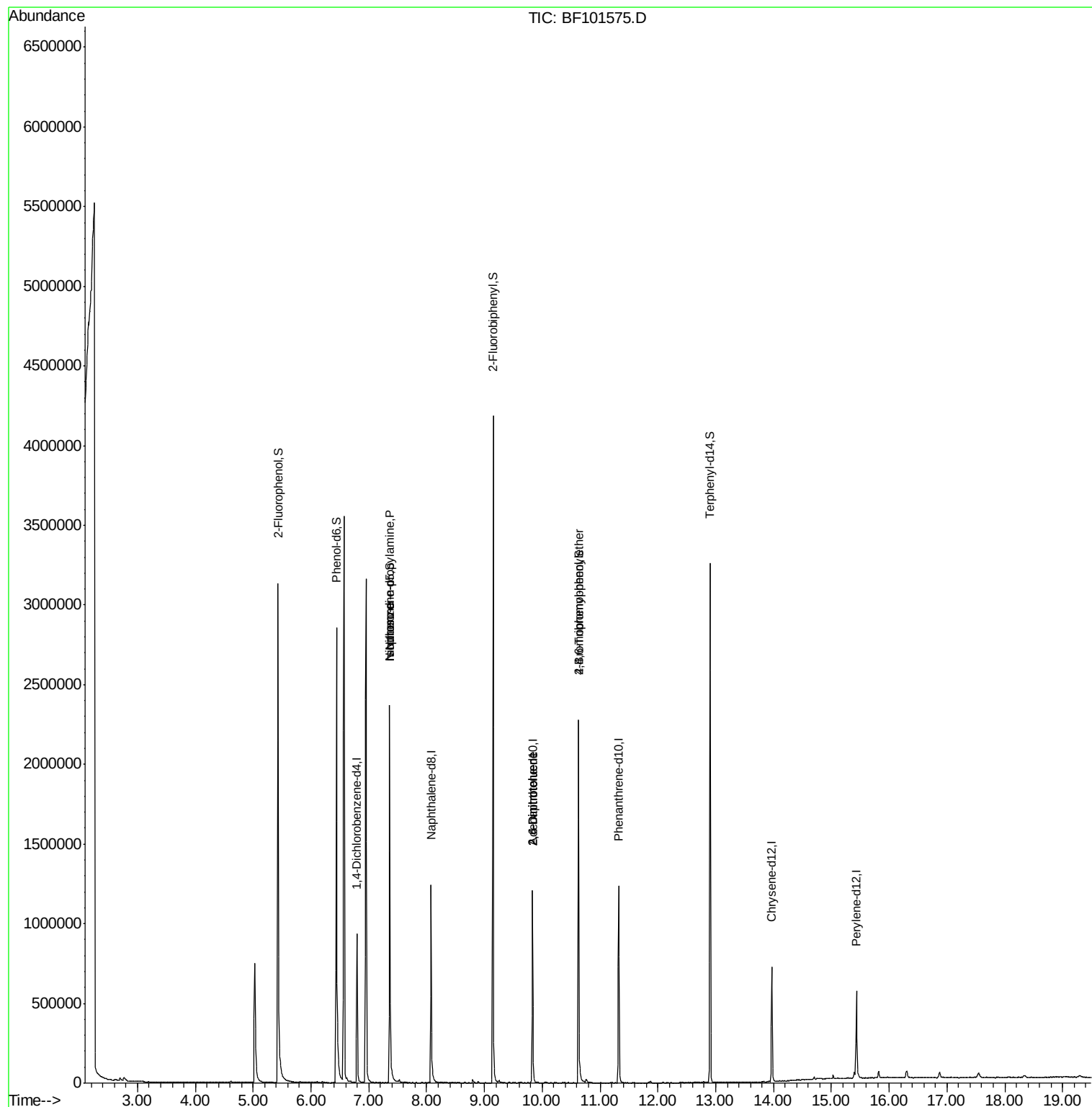
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	150702	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	593220	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	259297	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	450173	20.00	ng	0.00
75) Chrysene-d12	13.97	240	268149	20.00	ng	0.00
86) Perylene-d12	15.43	264	296523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1054588	104.24	ng	0.02
7) Phenol-d6	6.44	99	1170562	92.97	ng	0.00
23) Nitrobenzene-d5	7.36	82	921232	86.45	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	301142	120.53	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1445707	86.49	ng	0.00
78) Terphenyl-d14	12.90	244	1178576	105.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	122491	14.814	ng	# 81
25) Isophorone	7.36	82	921232	43.092	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	32719	7.719	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	32719	6.851	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	18017	3.562	ng	# 1

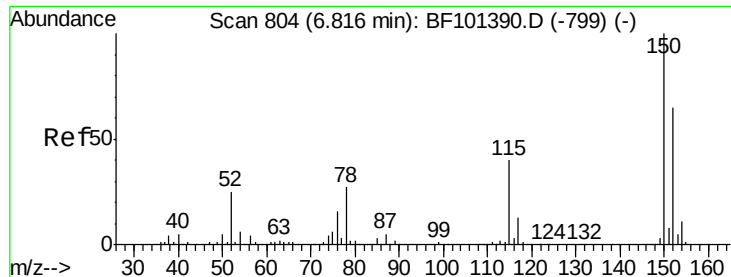
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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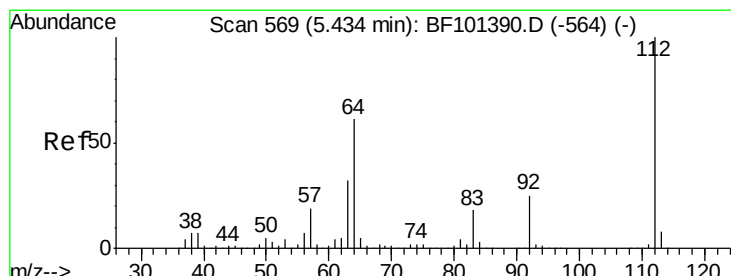
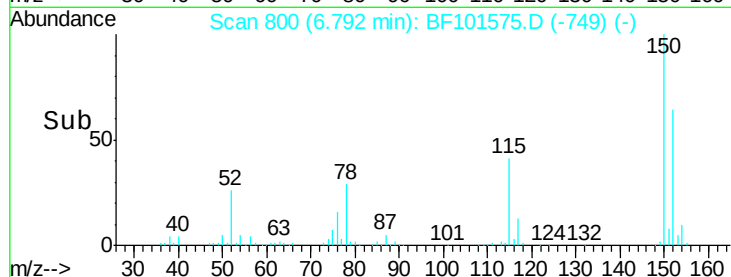
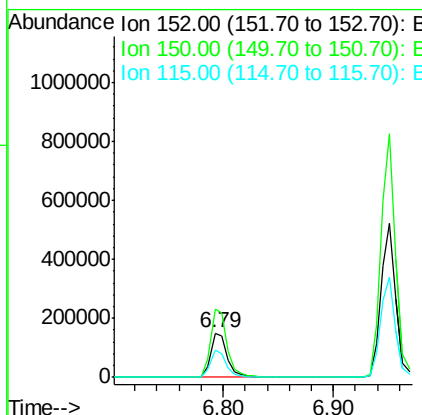
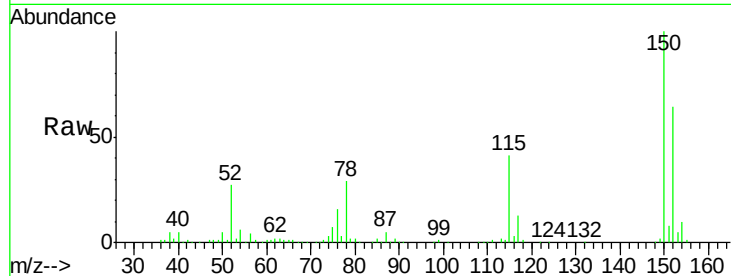


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF101575.D
Acq: 20 Dec 2017 18:39

Instrument :
BNA_F
ClientSampled :
72-11989

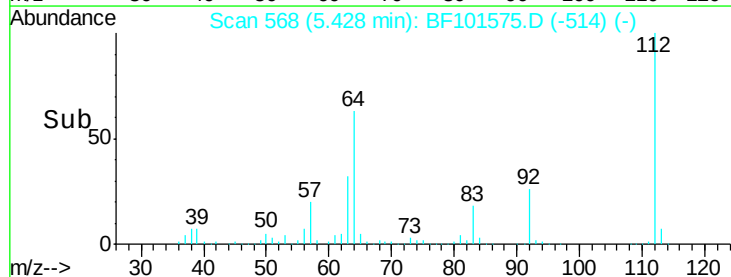
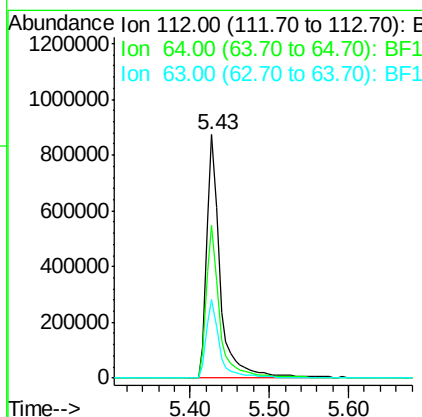
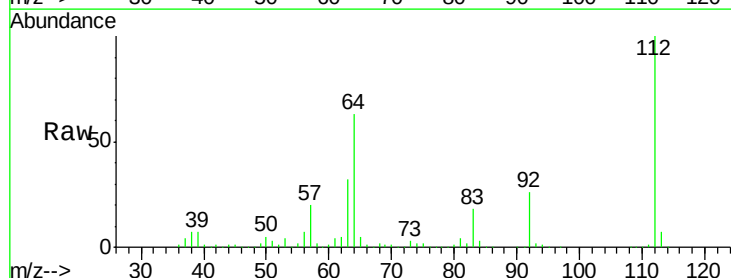
Tot Ion:152 Resp: 150702
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 63.4 50.1 75.1

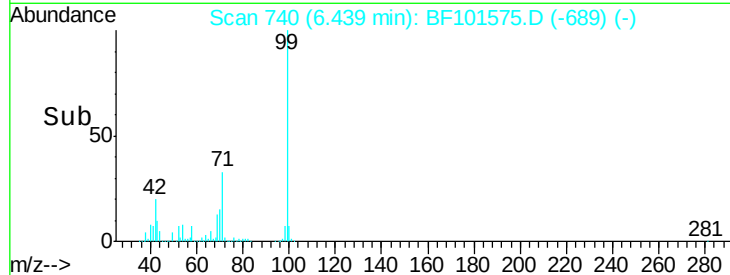
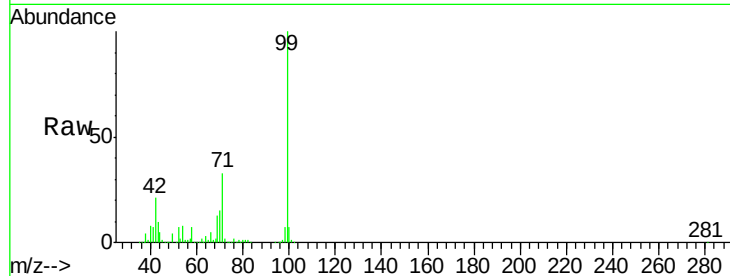
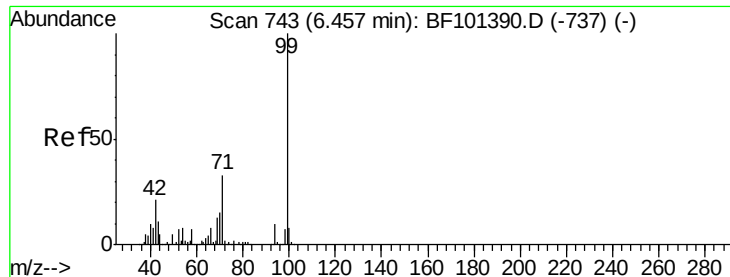


#5

2-Fluorophenol
Concen: 104.238 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101575.D
Acq: 20 Dec 2017 18:39

Tgt Ion:112 Resp: 1054588
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 32.3 23.7 35.5





#7

Phenol-d6

Concen: 92.967 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101575.D

Acq: 20 Dec 2017 18:39

Instrument :

BNA_F

ClientSampleId :

72-11989

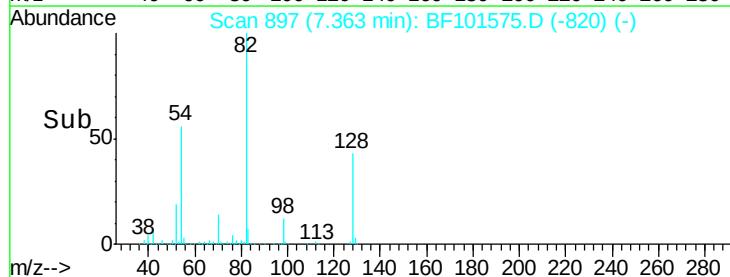
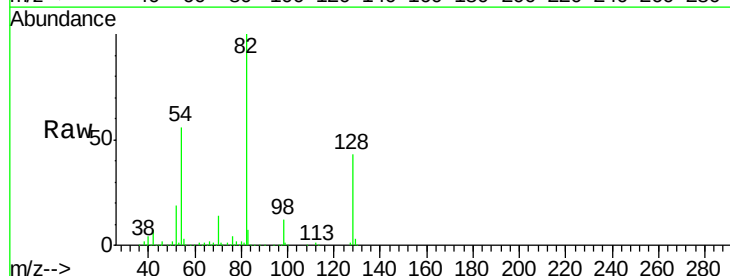
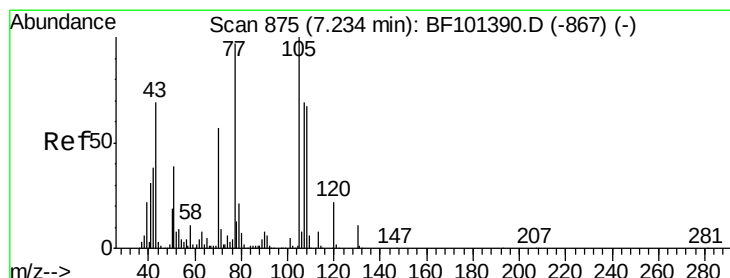
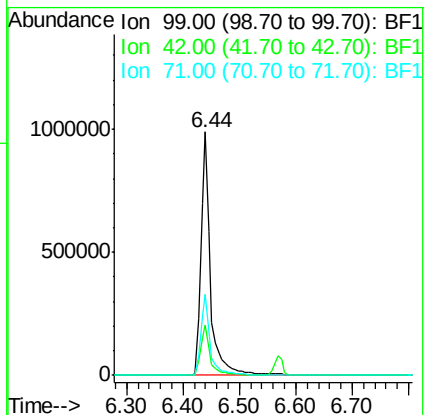
Tot Ion: 99 Resp: 1170562

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.814 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101575.D

Acq: 20 Dec 2017 18:39

Tgt Ion: 70 Resp: 122491

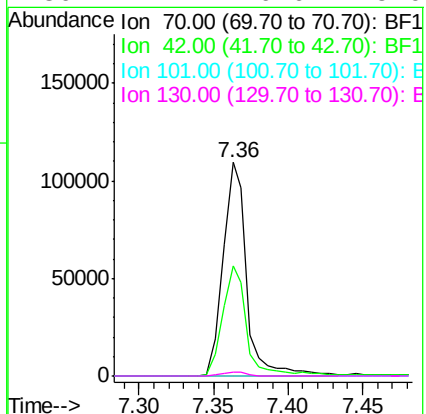
Ion Ratio Lower Upper

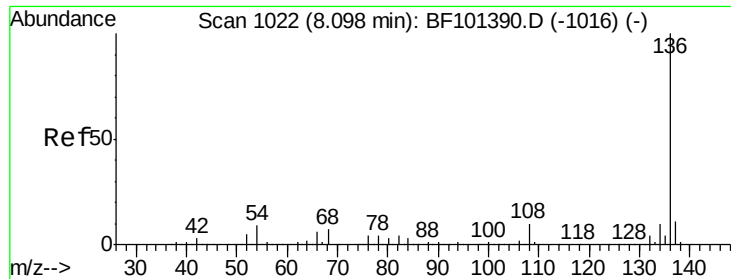
70 100

42 51.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

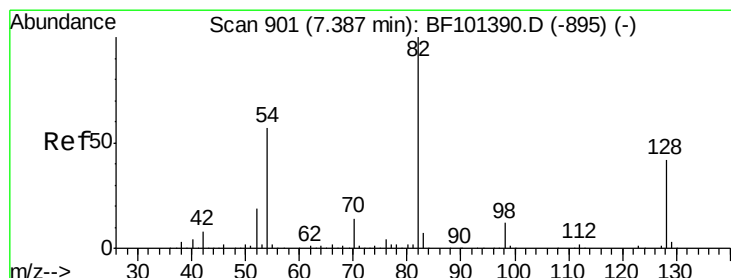
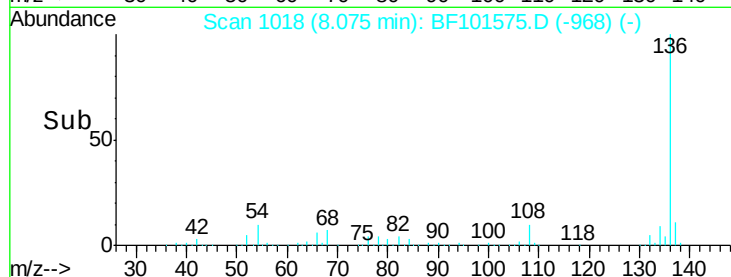
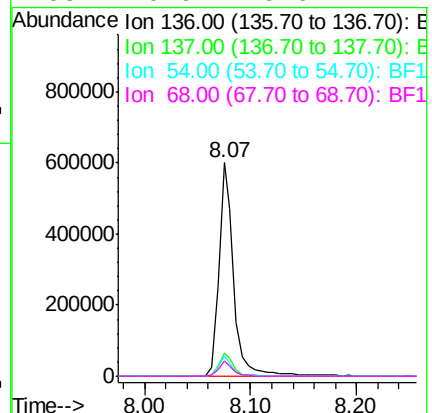
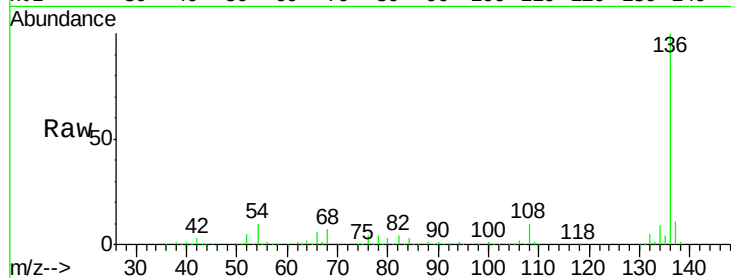




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101575.D
Acq: 20 Dec 2017 18:39

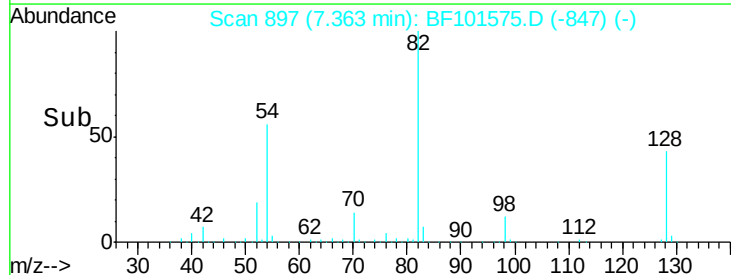
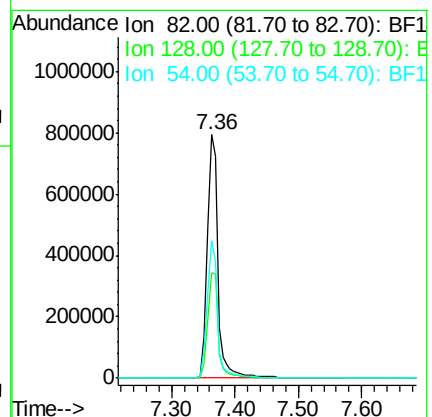
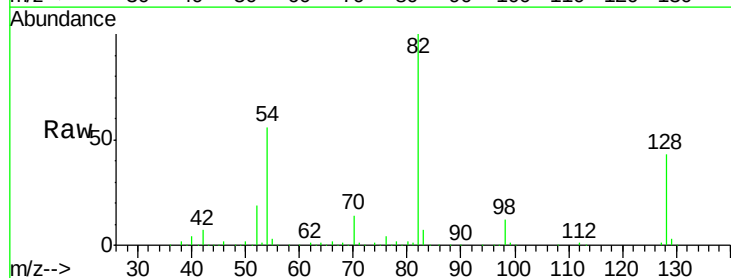
Instrument :
BNA_F
ClientSampleId :
72-11989

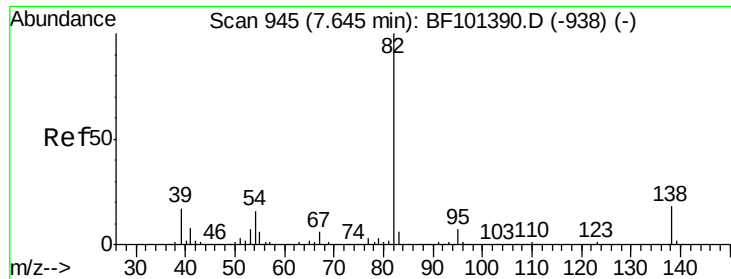
Tot Ion:136	Resp:	593220
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.7	6.6 9.8
68	6.9	5.0 7.4



#23
Nitrobenzene-d5
Concen: 86.445 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101575.D
Acq: 20 Dec 2017 18:39

Tgt Ion: 82	Resp:	921232
Ion Ratio	Lower	Upper
82	100	
128	43.5	36.1 54.1
54	56.3	41.4 62.2





#25

Isophorone

Concen: 43.092 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101575.D

Acq: 20 Dec 2017 18:39

Instrument :

BNA_F

ClientSampleId :

72-11989

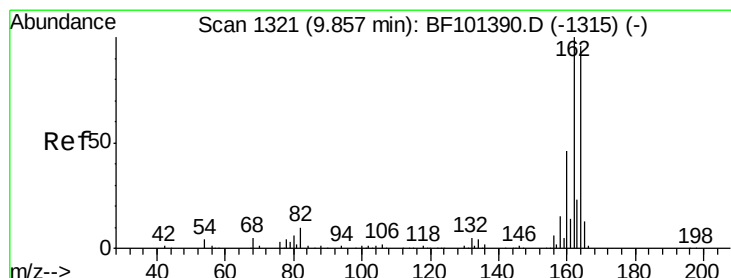
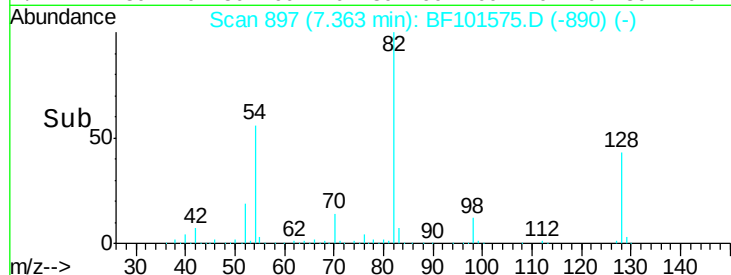
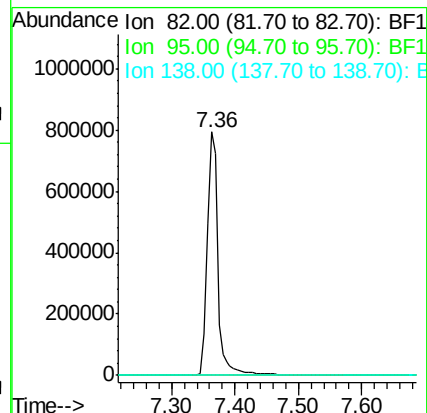
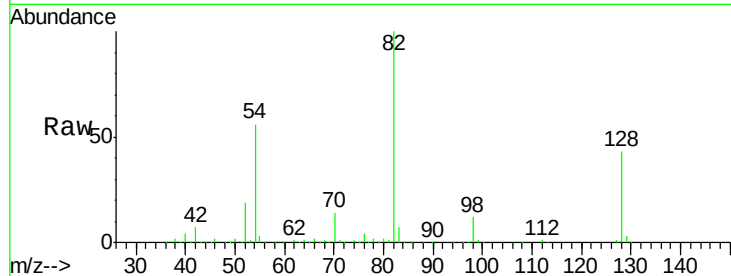
Tot Ion: 82 Resp: 921232

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101575.D

Acq: 20 Dec 2017 18:39

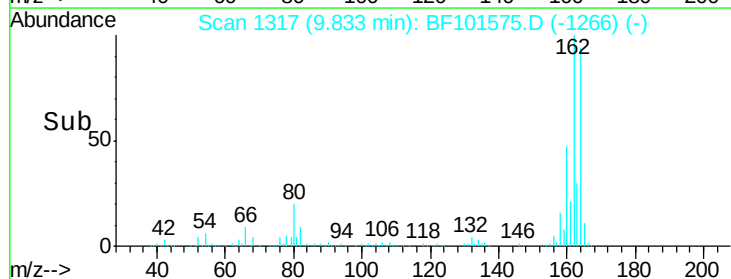
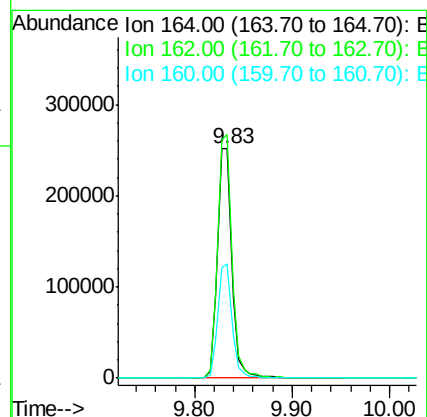
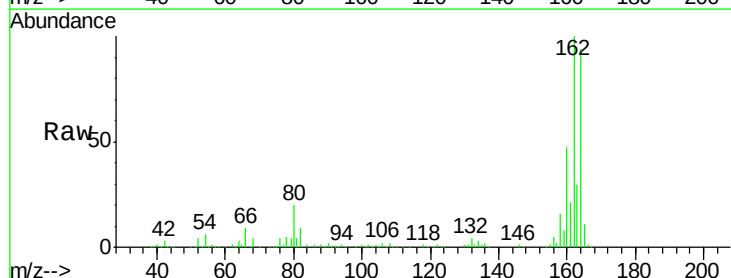
Tgt Ion: 164 Resp: 259297

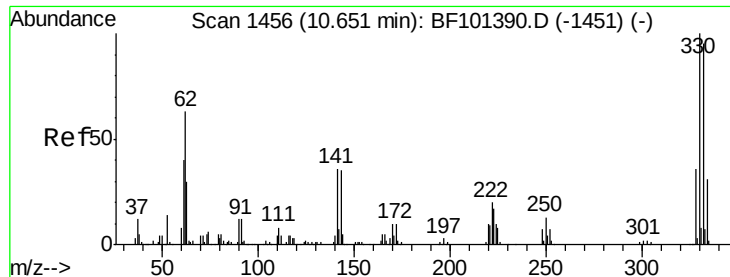
Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

160 50.0 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 120.528 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101575.D

Acq: 20 Dec 2017 18:39

Instrument :

BNA_F

ClientSampleId :

72-11989

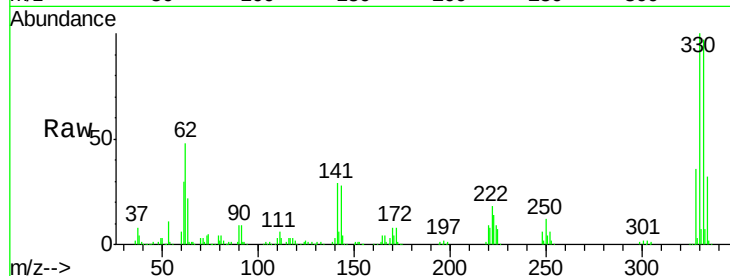
Tot Ion:330 Resp: 301142

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

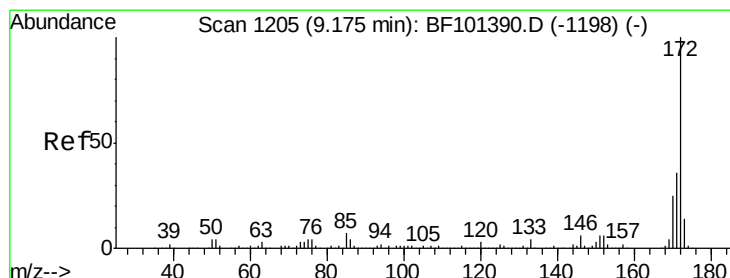
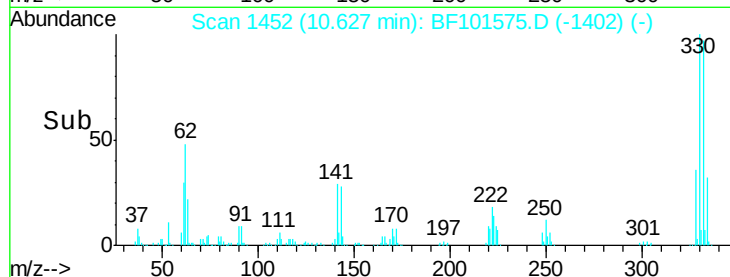
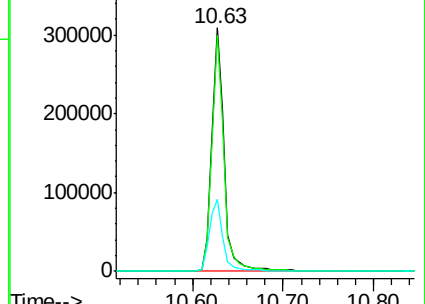
141 32.8 29.9 44.9



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: 86.489 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF101575.D

Acq: 20 Dec 2017 18:39

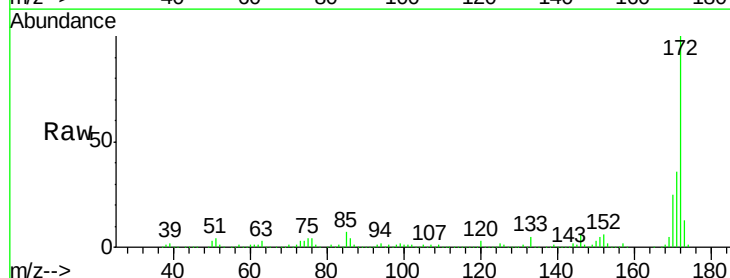
Tgt Ion:172 Resp: 1445707

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

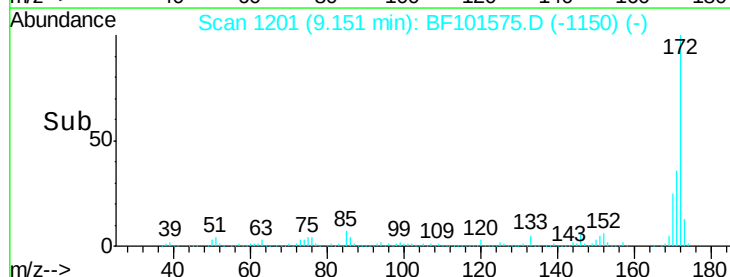
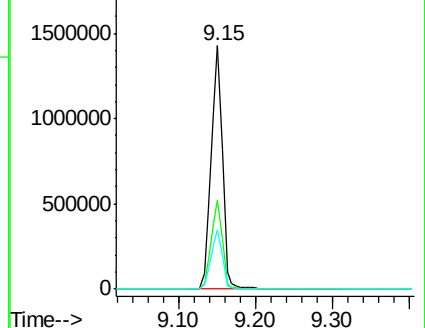
170 24.6 19.6 29.4

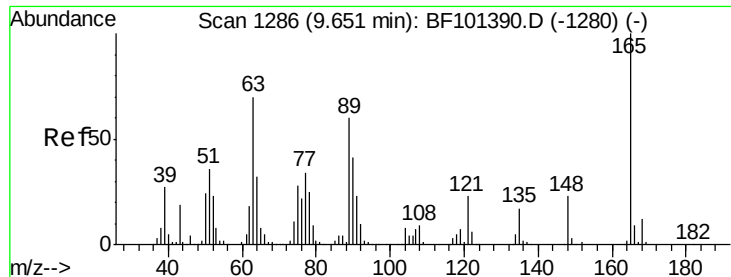


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

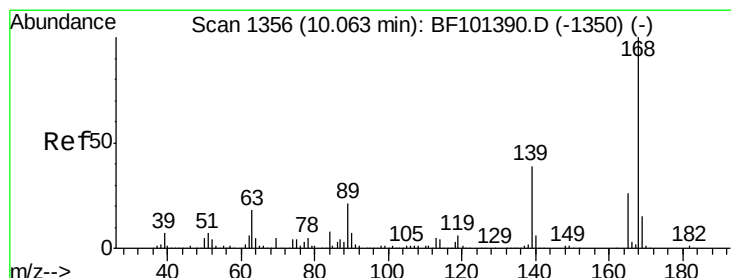
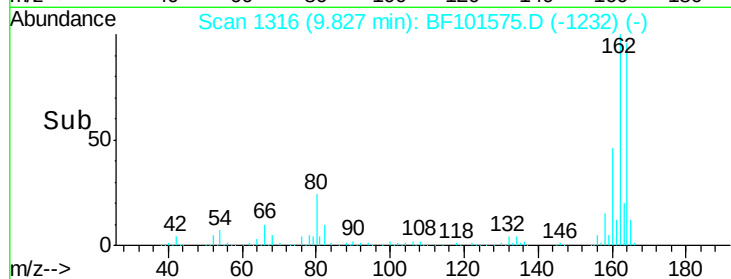
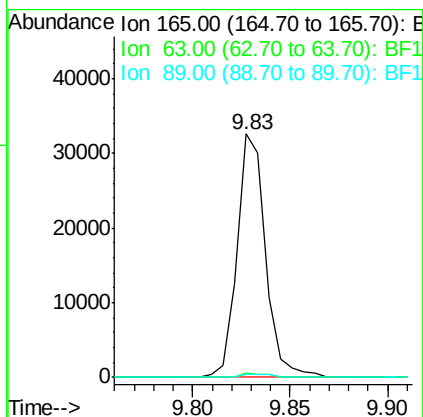
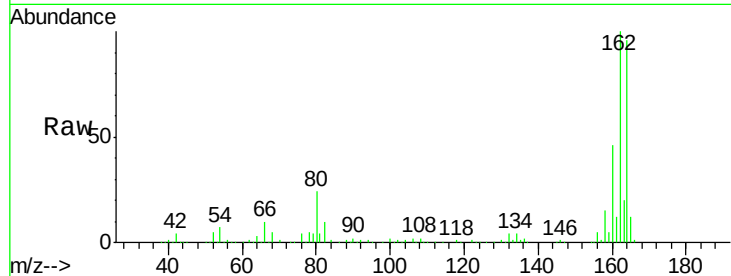




#50
 2,6-Dinitrotoluene
 Concen: 7.719 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF101575.D
 Acq: 20 Dec 2017 18:39

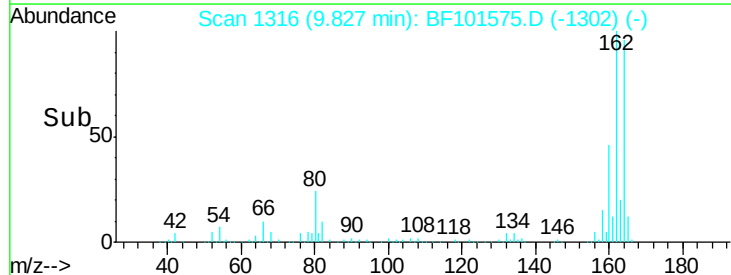
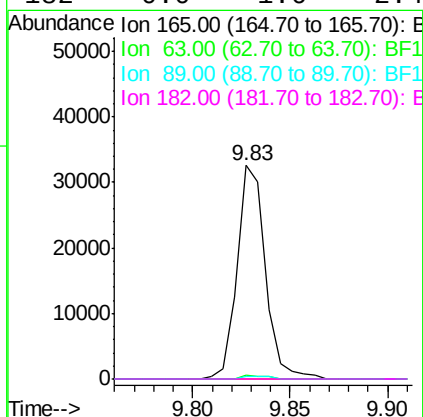
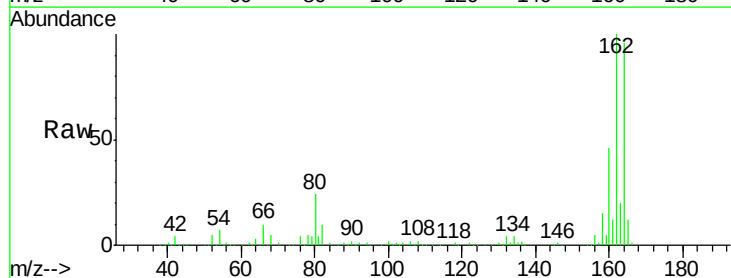
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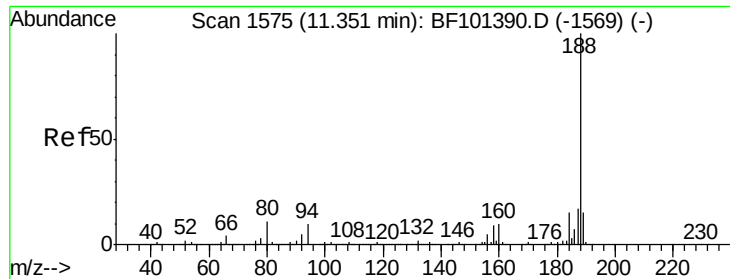
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.851 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.22 min
 Lab File: BF101575.D
 Acq: 20 Dec 2017 18:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

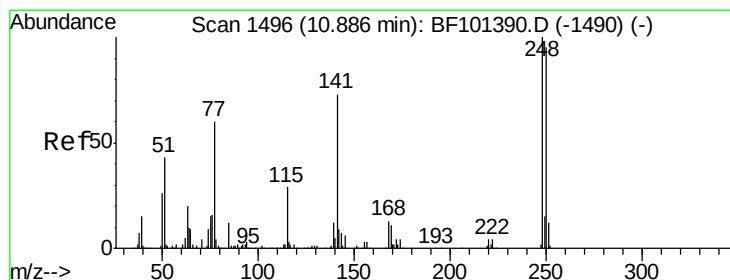
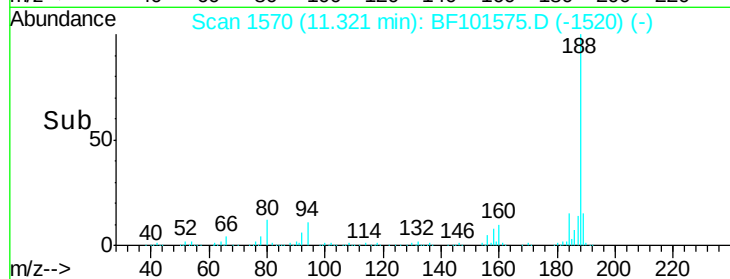
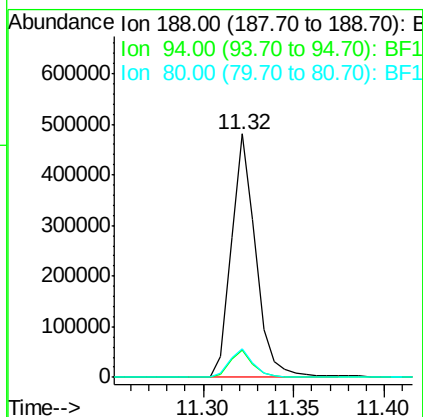
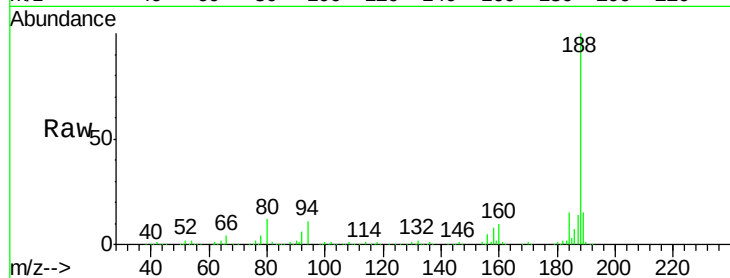




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101575.D
 Acq: 20 Dec 2017 18:39

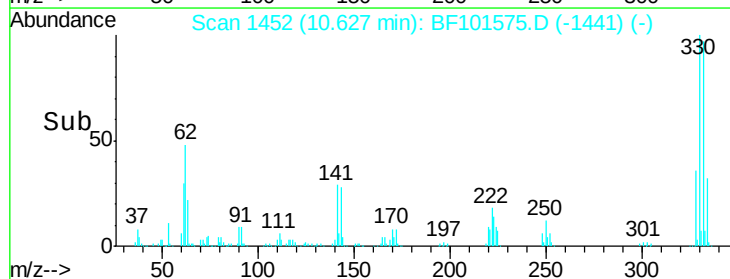
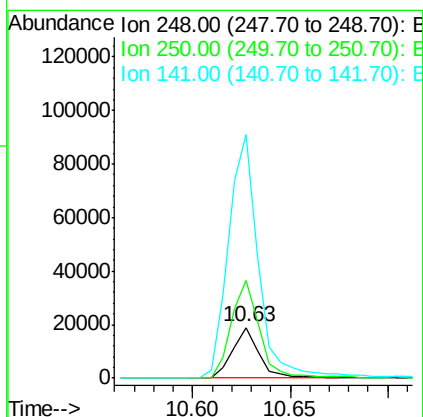
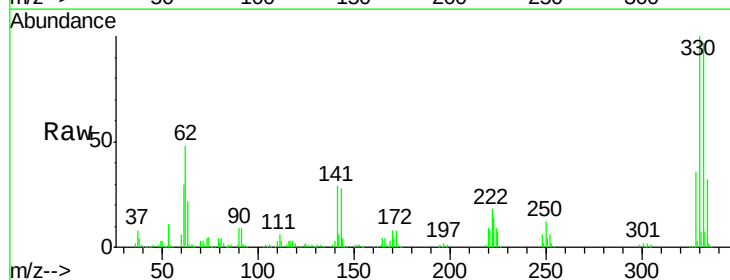
Instrument :
 BNA_F
 ClientSampleId :
 72-11989

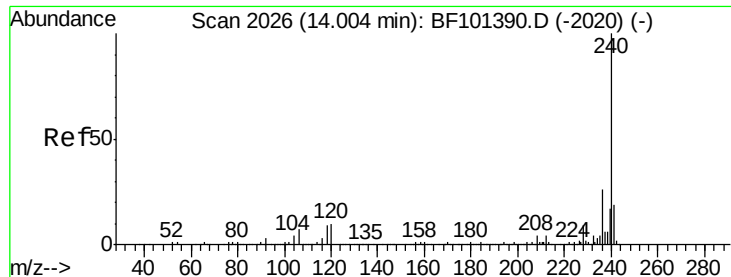
Tot Ion:188 Resp: 450173
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 11.6 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.562 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101575.D
 Acq: 20 Dec 2017 18:39

Tgt Ion:248 Resp: 18017
 Ion Ratio Lower Upper
 248 100
 250 194.3 76.9 115.3#
 141 482.5 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101575.D

Acq: 20 Dec 2017 18:39

Instrument :

BNA_F

ClientSampleId :

72-11989

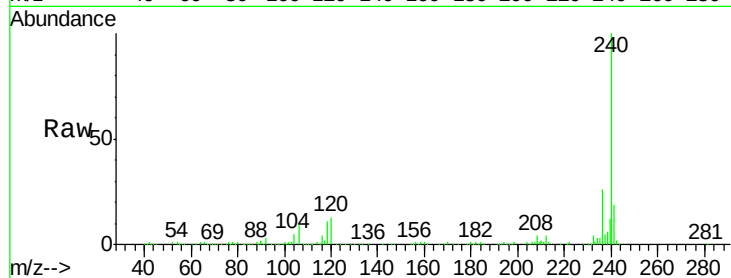
Tot Ion:240 Resp: 268149

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

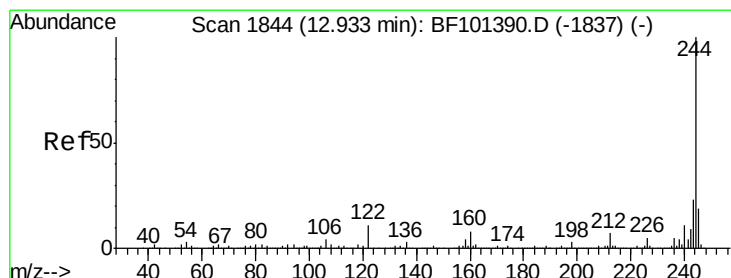
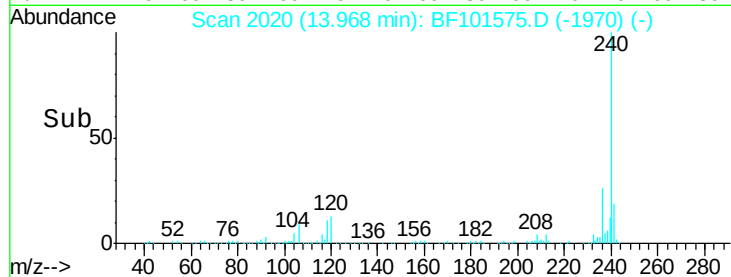
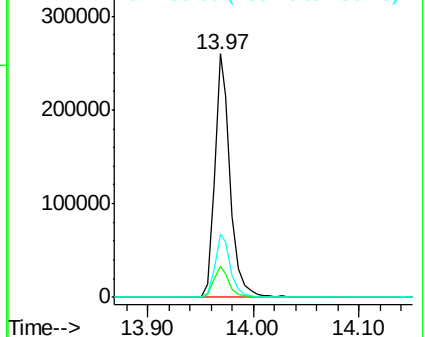
236 25.7 20.7 31.1



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: 105.959 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101575.D

Acq: 20 Dec 2017 18:39

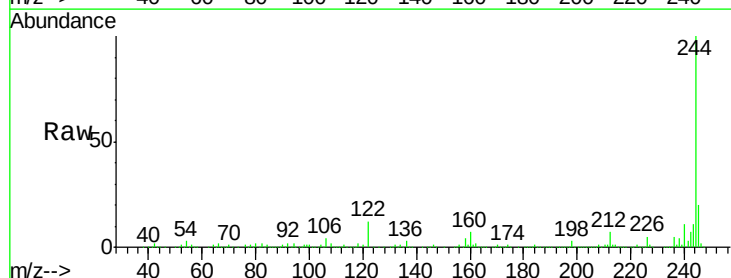
Tgt Ion:244 Resp: 1178576

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

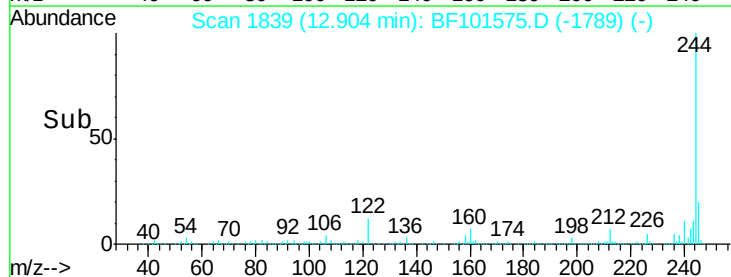
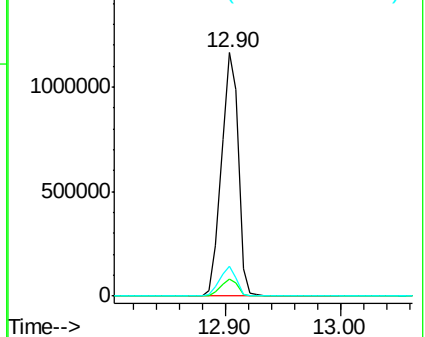
122 12.1 11.0 16.4

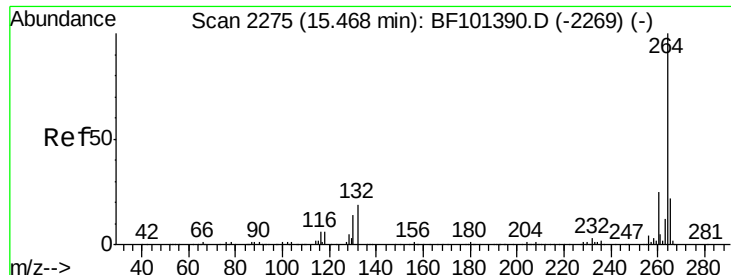


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101575.D
Acq: 20 Dec 2017 18:39

Instrument :
BNA_F
ClientSampleId :
72-11989

Tot Ion:264 Resp: 296523
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.5 17.5 26.3

