

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091975.D
 Acq On : 27 Dec 2016 18:44
 Operator : UM/SJ
 Sample : H6241-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Quant Time: Dec 28 00:00:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

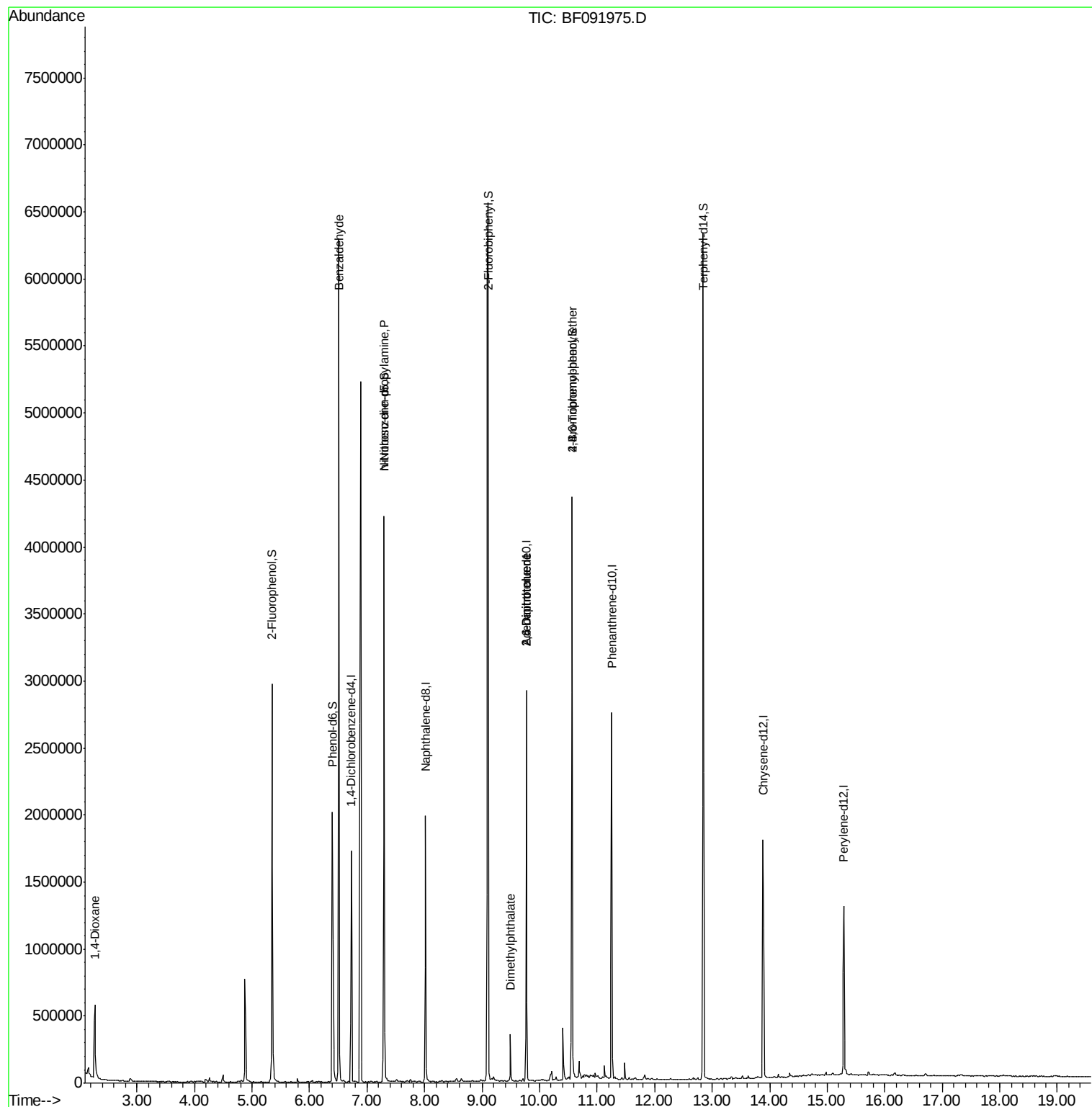
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	260798	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	1045097	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	624975	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	1020422	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	767502	20.00	ng	-0.02
86) Perylene-d12	15.29	264	594158	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1039304	66.54	ng	0.00
7) Phenol-d6	6.40	99	887959	46.56	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1594549	84.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	660341	127.67	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	3274446	111.35	ng	-0.01
78) Terphenyl-d14	12.84	244	2434941	76.94	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.27	88	328252	42.69	ng	Qvalue 99
9) Benzaldehyde	6.51	77	45569	2.97	ng	# 74
19) n-Nitroso-di-n-propylamine	7.30	70	216628	17.08	ng	# 77
37) 2-Methylnaphthalene	8.73	142	250	Below Cal	#	79
49) Dimethylphthalate	9.49	163	134985	3.38	ng	100
50) 2,6-Dinitrotoluene	9.77	165	81644	9.33	ng	# 30
56) 2,4-Dinitrotoluene	9.77	165	81648	7.44	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	43825	4.13	ng	# 1
71) Anthracene	11.32	178	567	Below Cal	#	59
73) Di-n-butylphthalate	11.83	149	16482	Below Cal	#	97
74) Fluoranthene	12.47	202	1005	Below Cal		62

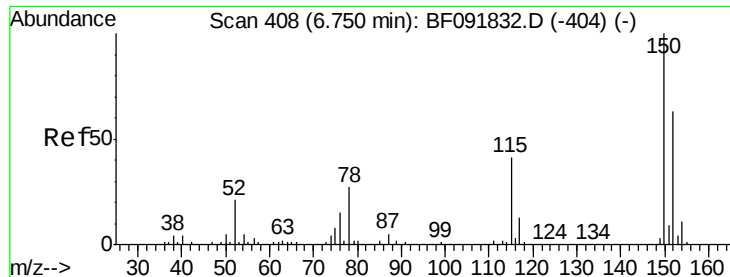
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
Data File : BF091975.D
Acq On : 27 Dec 2016 18:44
Operator : UM/SJ
Sample : H6241-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

Quant Time: Dec 28 00:00:34 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

Instrument :

BNA_F

ClientSampleId :

DUP-1

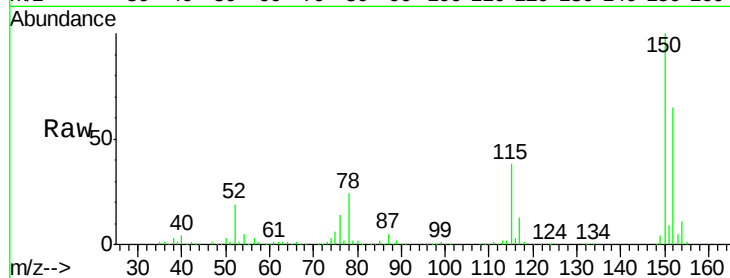
Tgt Ion:152 Resp: 260798

Ion Ratio Lower Upper

152 100

150 154.9 124.9 187.3

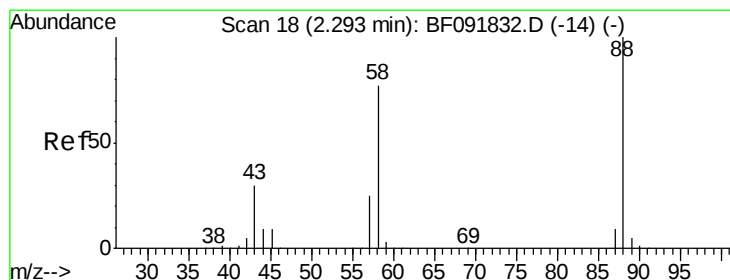
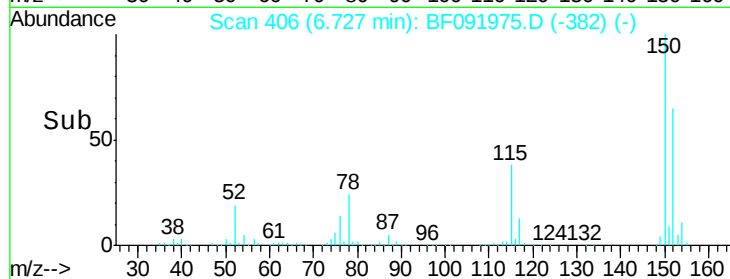
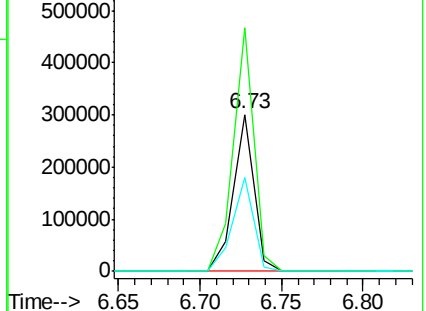
115 59.6 46.0 69.0



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



#2

1,4-Dioxane

Concen: 42.69 ng

RT: 2.27 min Scan# 16

Delta R.T. -0.02 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

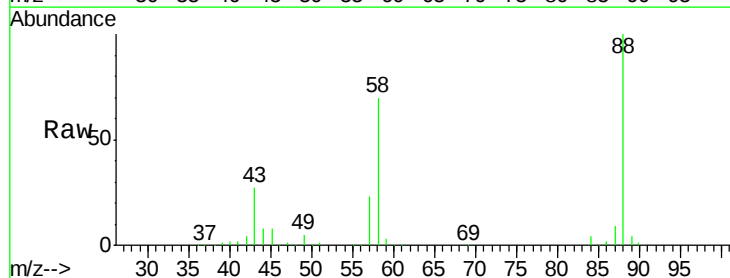
Tgt Ion: 88 Resp: 328252

Ion Ratio Lower Upper

88 100

58 72.9 57.8 86.8

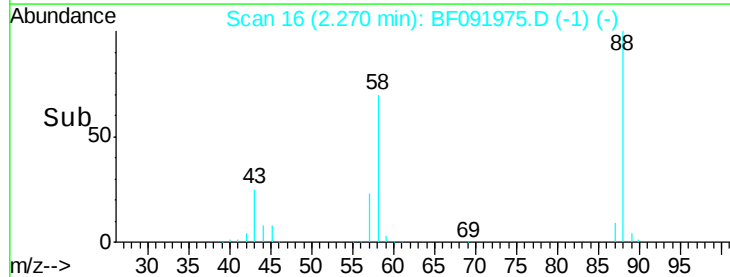
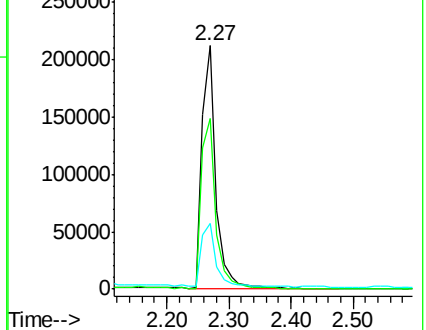
43 28.1 22.3 33.5

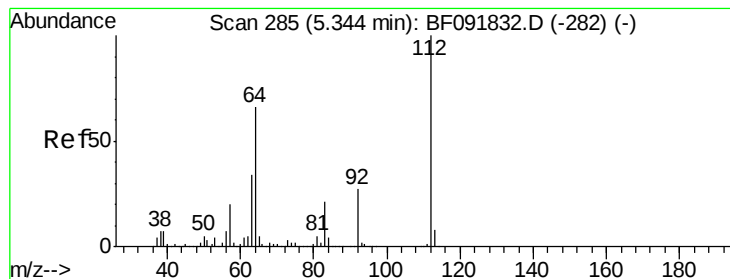


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 66.54 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

Instrument :

BNA_F

ClientSampleId :

DUP-1

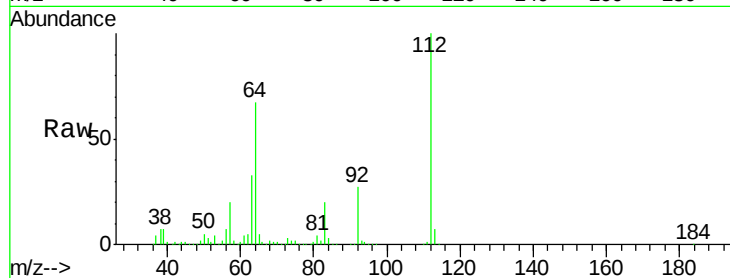
Tgt Ion: 112 Resp: 1039304

Ion Ratio Lower Upper

112 100

64 66.9 46.1 69.1

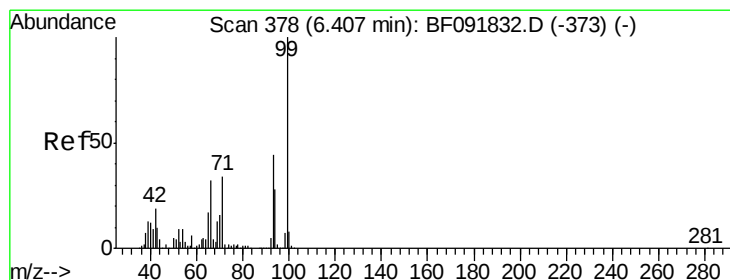
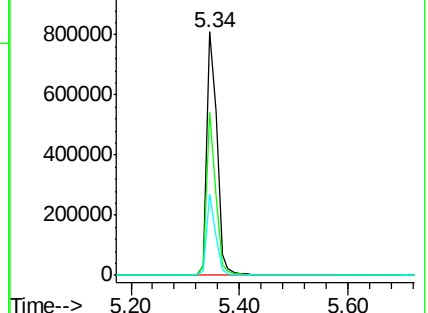
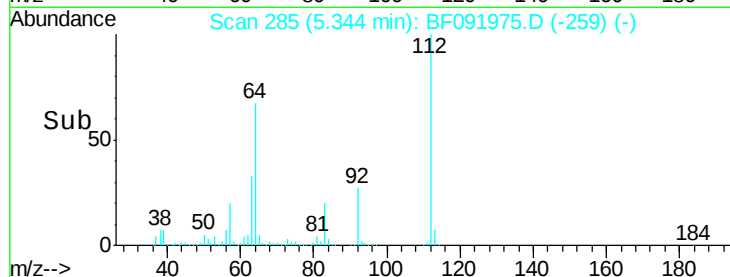
63 33.3 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 46.56 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

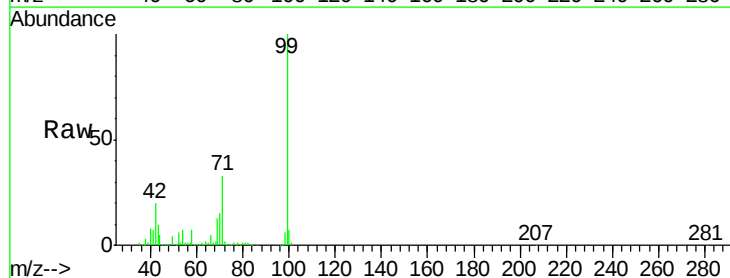
Tgt Ion: 99 Resp: 887959

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

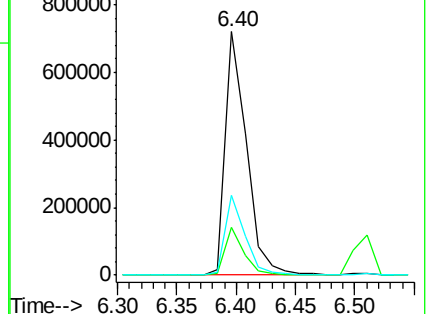
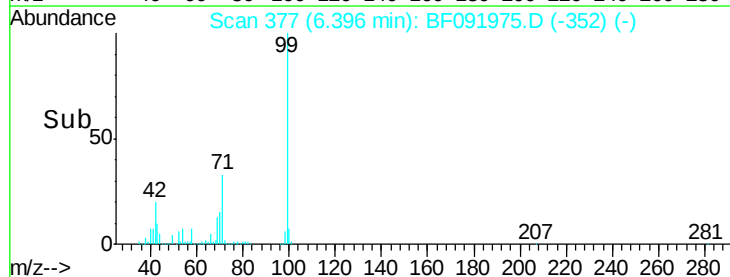
71 33.0 27.5 41.3

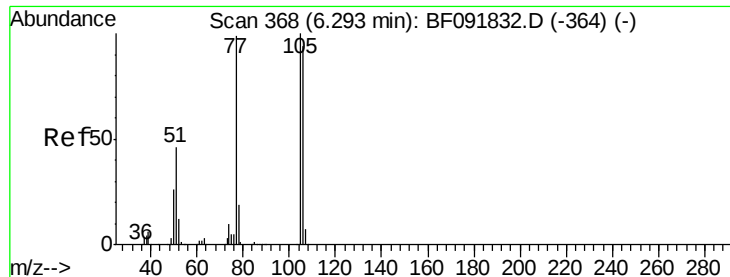


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.97 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.22 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

Instrument :

BNA_F

ClientSampleId :

DUP-1

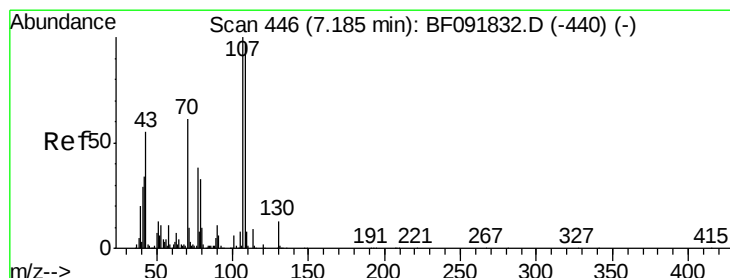
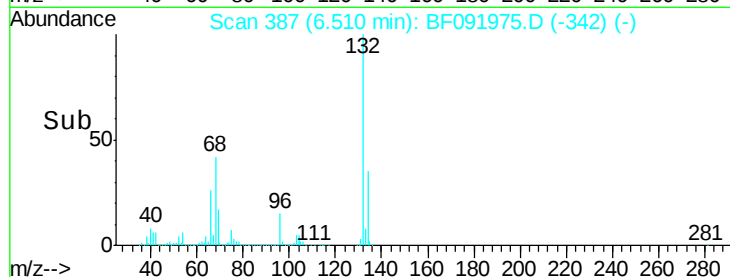
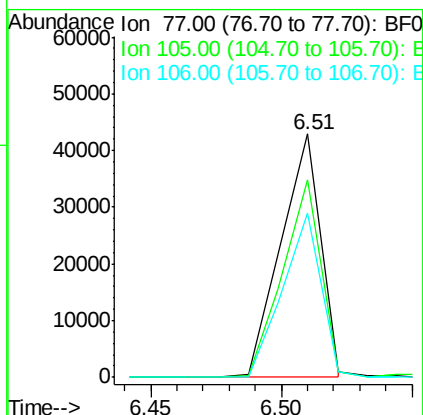
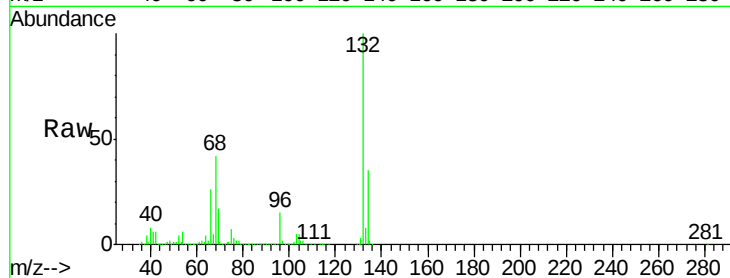
Tgt Ion: 77 Resp: 45569

Ion Ratio Lower Upper

77 100

105 81.0 83.9 123.9#

106 67.2 77.6 117.6#



#19

n-Nitroso-di-n-propylamine

Concen: 17.08 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.11 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

Tgt Ion: 70 Resp: 216628

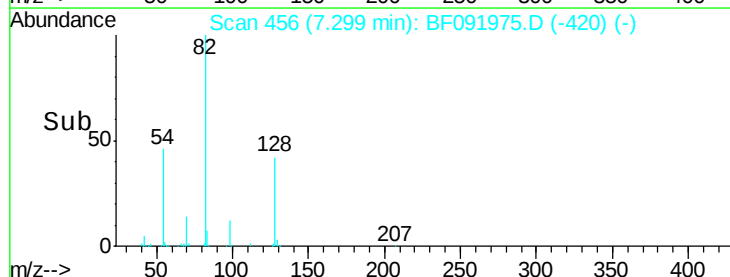
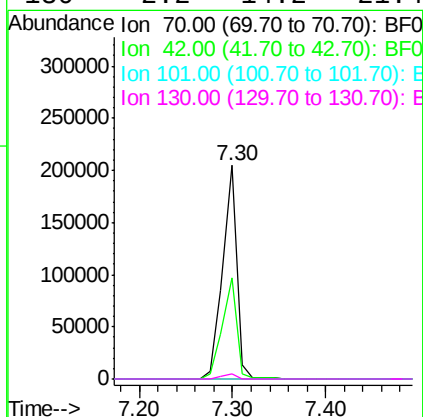
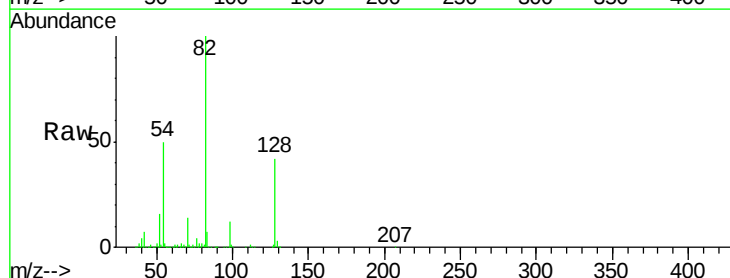
Ion Ratio Lower Upper

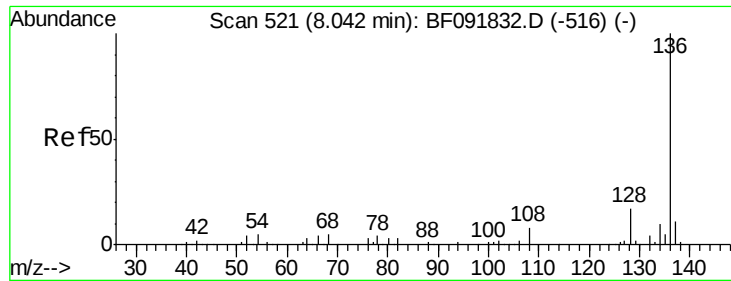
70 100

42 47.2 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

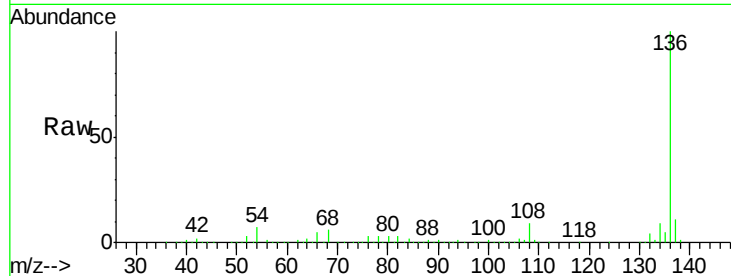




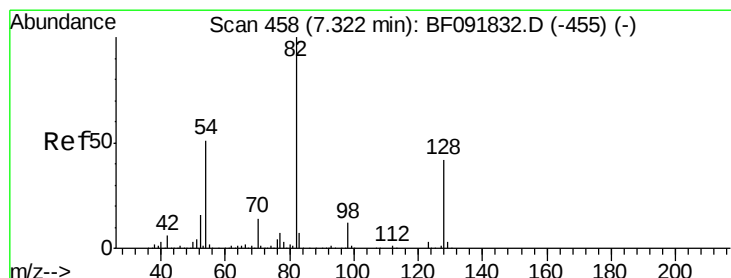
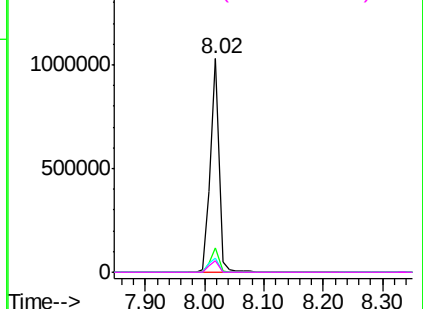
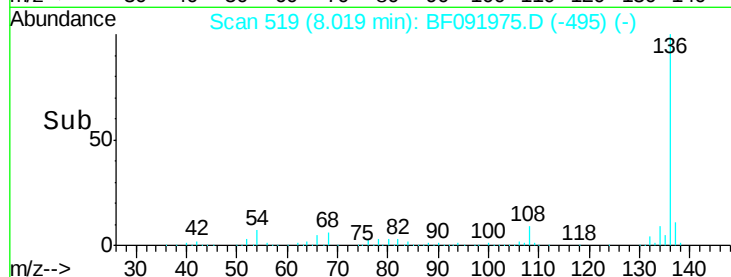
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF091975.D
Acq: 27 Dec 2016 18:44

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion: 136 Resp: 1045097
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.6 4.5 6.7
68 5.6 3.6 5.4#

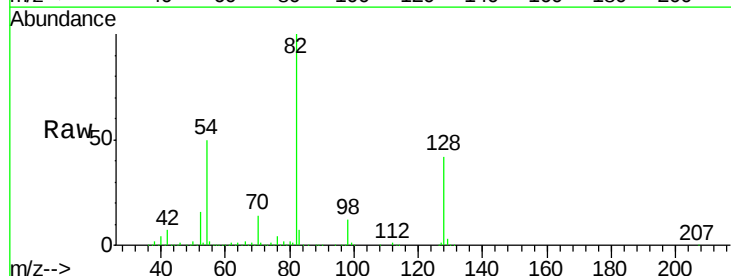


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

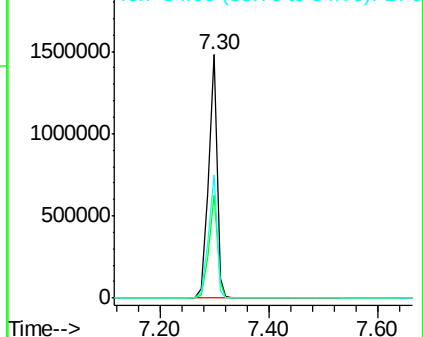
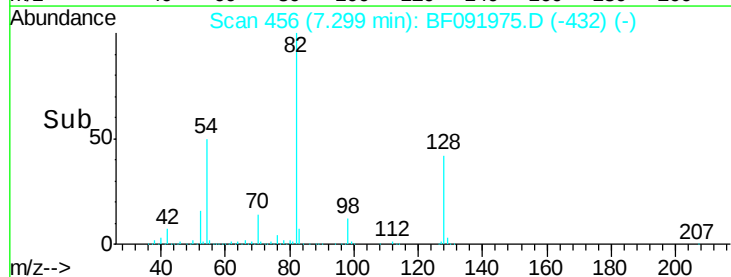


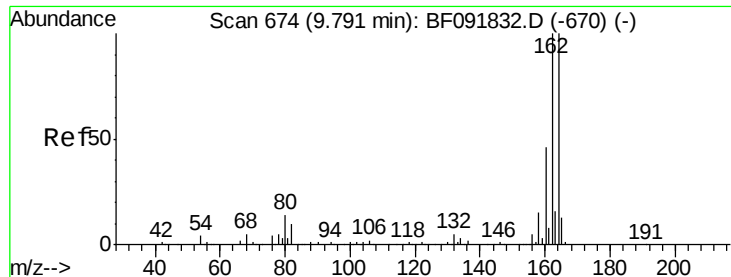
#23
Nitrobenzene-d5
Concen: 84.84 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF091975.D
Acq: 27 Dec 2016 18:44

Tgt Ion: 82 Resp: 1594549
Ion Ratio Lower Upper
82 100
128 42.5 34.6 52.0
54 50.5 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

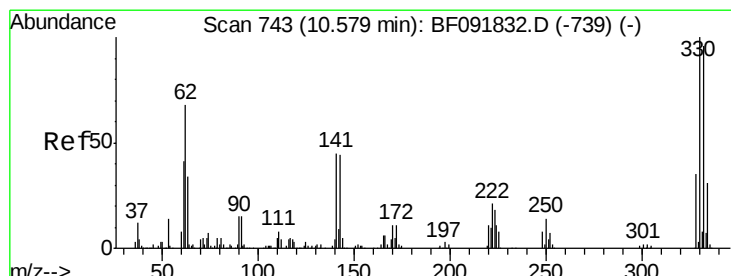
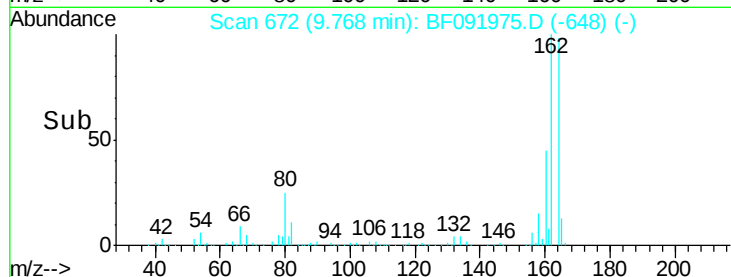
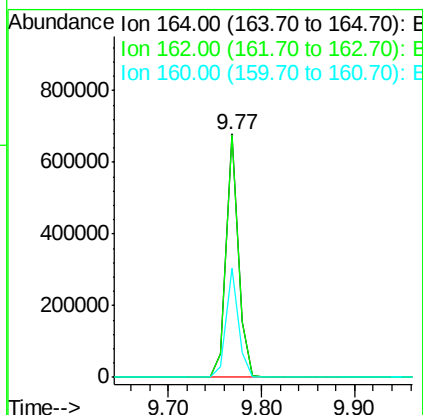
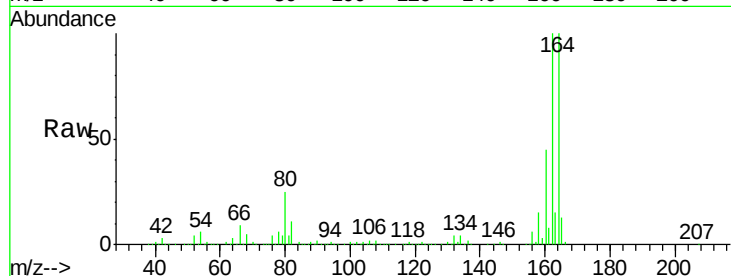




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF091975.D
 Acq: 27 Dec 2016 18:44

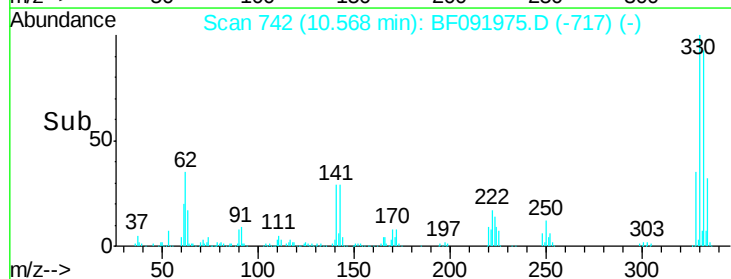
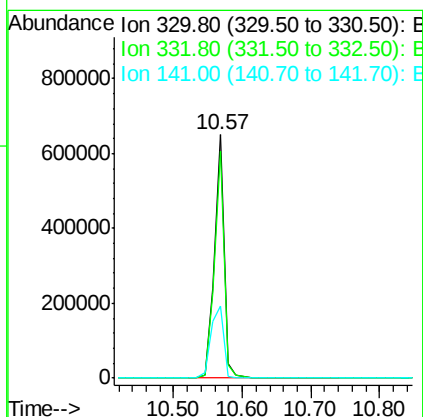
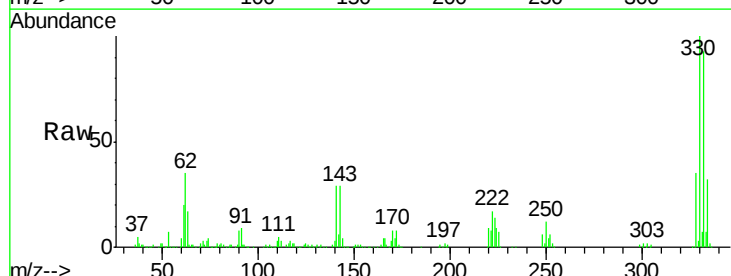
Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

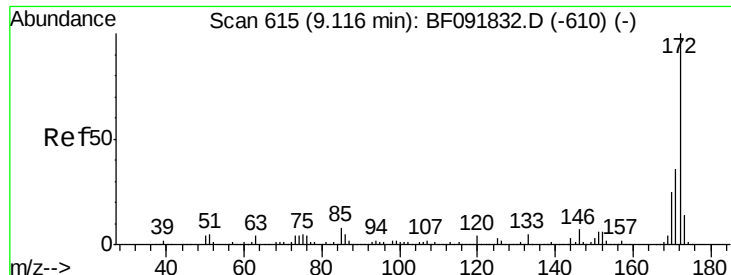
Tgt Ion:164 Resp: 624975
 Ion Ratio Lower Upper
 164 100
 162 99.6 80.2 120.2
 160 44.6 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 127.67 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091975.D
 Acq: 27 Dec 2016 18:44

Tgt Ion:330 Resp: 660341
 Ion Ratio Lower Upper
 330 100
 332 93.4 77.4 116.2
 141 38.0 34.1 51.1

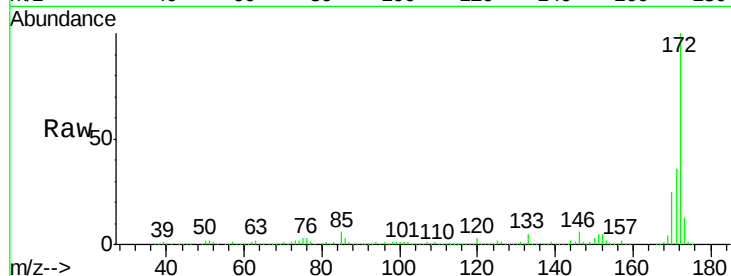




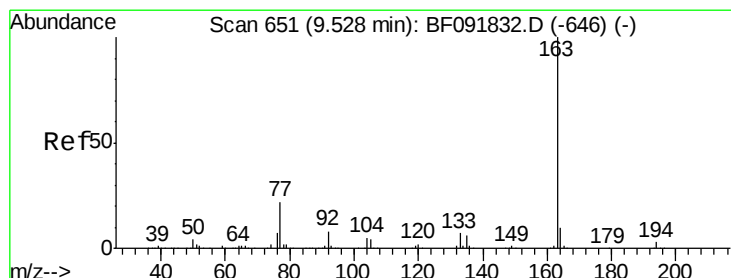
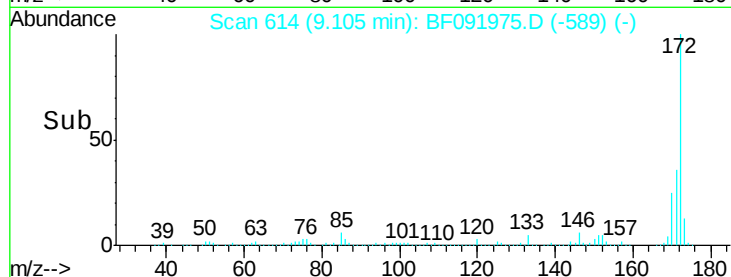
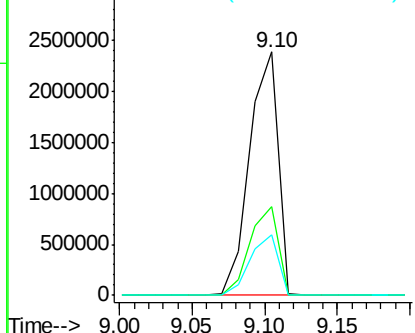
#44
 2-Fluorobiphenyl
 Concen: 111.35 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091975.D
 Acq: 27 Dec 2016 18:44

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tgt Ion:172 Resp: 3274446
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.8 20.2 30.4

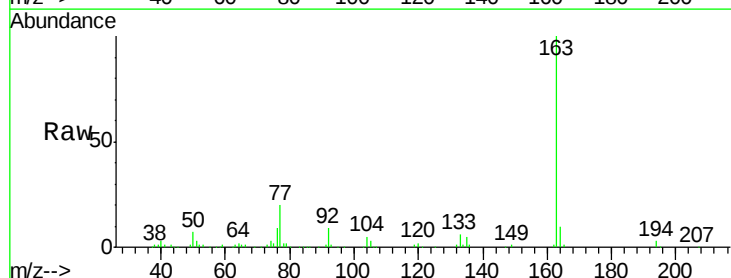


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

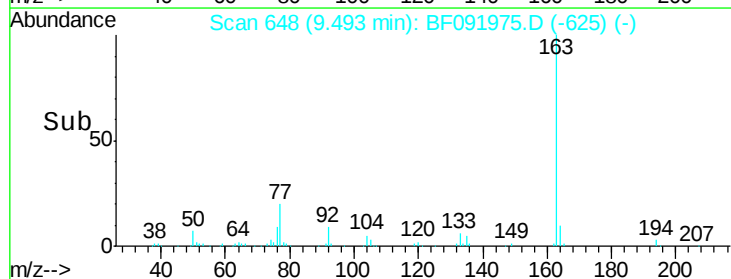
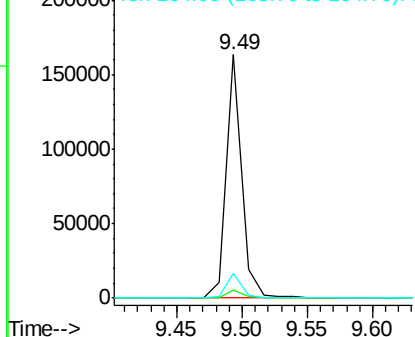


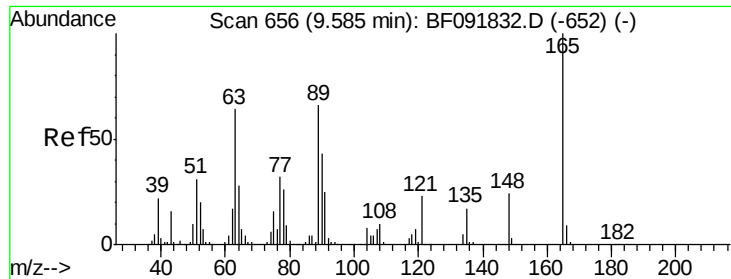
#49
 Dimethylphthalate
 Concen: 3.38 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.03 min
 Lab File: BF091975.D
 Acq: 27 Dec 2016 18:44

Tgt Ion:163 Resp: 134985
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.0 4.4
 164 10.1 8.0 12.0



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

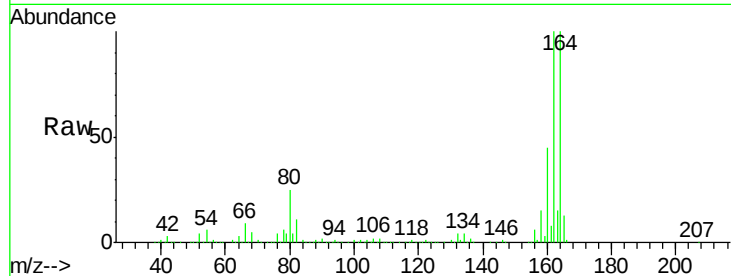




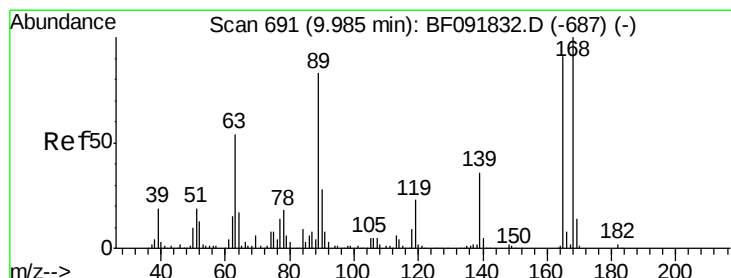
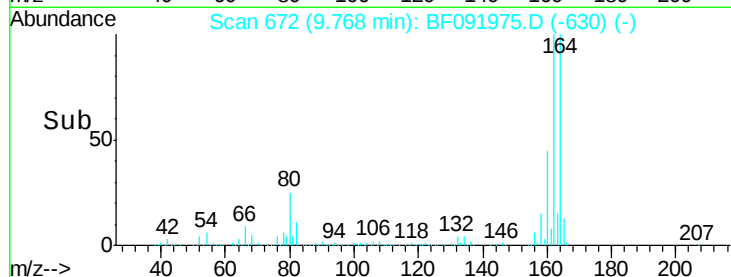
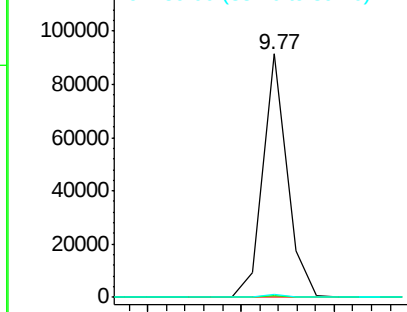
#50
 2,6-Dinitrotoluene
 Concen: 9.33 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.18 min
 Lab File: BF091975.D
 Acq: 27 Dec 2016 18:44

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tgt Ion:165 Resp: 81644
 Ion Ratio Lower Upper
 165 100
 63 0.9 36.2 54.4#
 89 1.0 40.2 60.4#

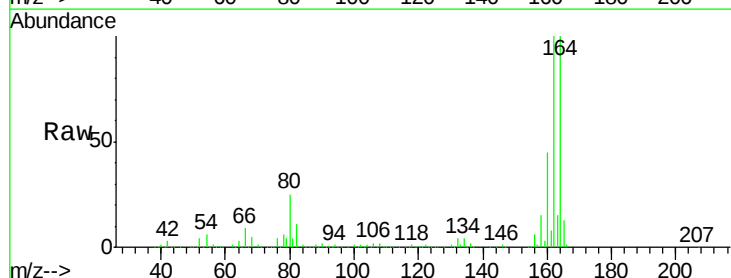


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

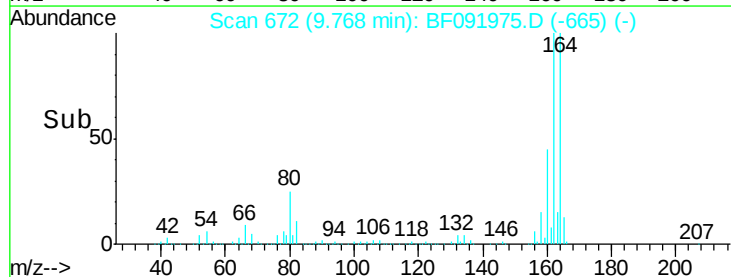
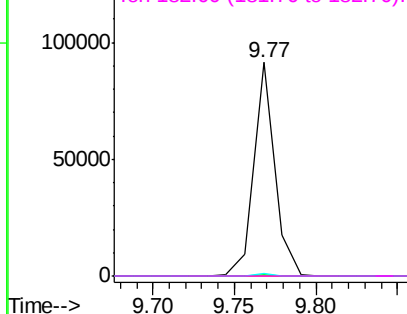


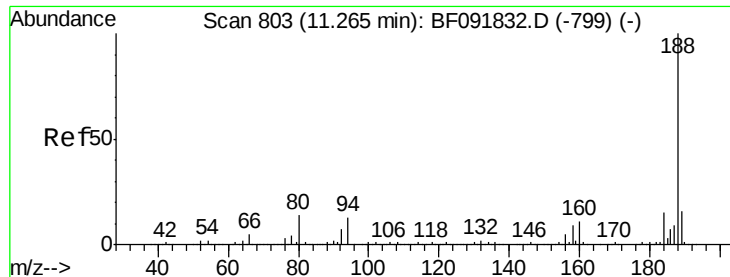
#56
 2,4-Dinitrotoluene
 Concen: 7.44 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.22 min
 Lab File: BF091975.D
 Acq: 27 Dec 2016 18:44

Tgt Ion:165 Resp: 81648
 Ion Ratio Lower Upper
 165 100
 63 0.9 40.2 60.4#
 89 1.0 62.5 93.7#
 182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

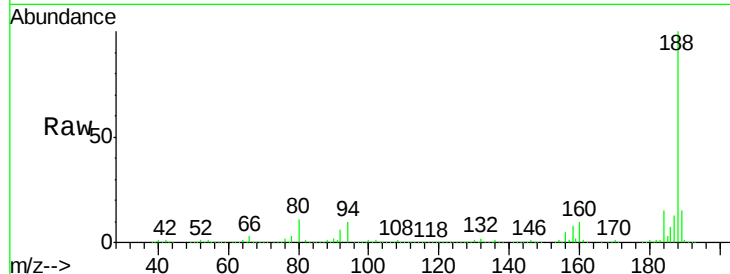




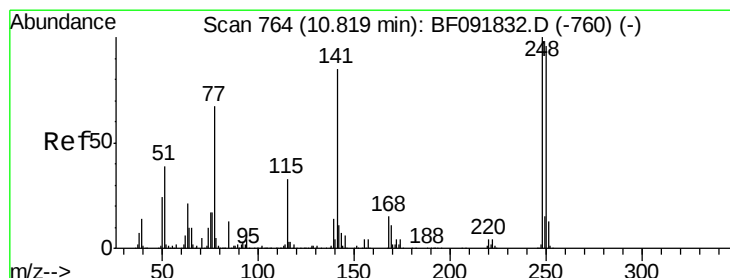
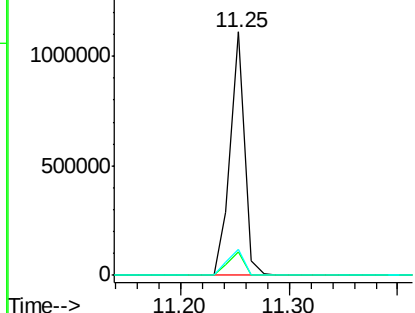
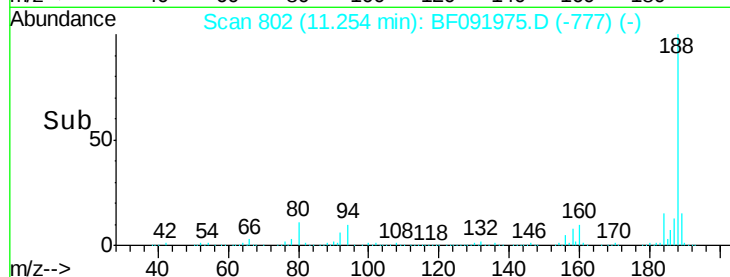
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF091975.D
Acq: 27 Dec 2016 18:44

Instrument :
BNA_F
ClientSampled :
DUP-1

Tgt Ion:188 Resp: 1020422
Ion Ratio Lower Upper
188 100
94 9.7 10.0 15.0#
80 10.7 11.2 16.8#

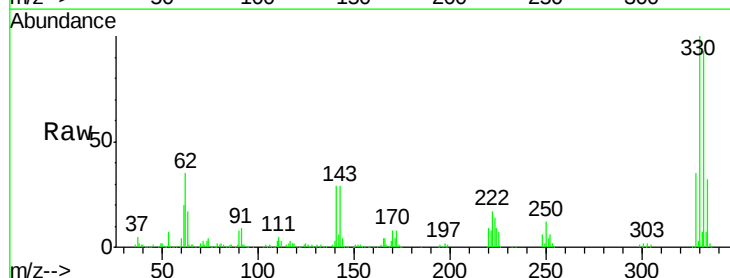


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

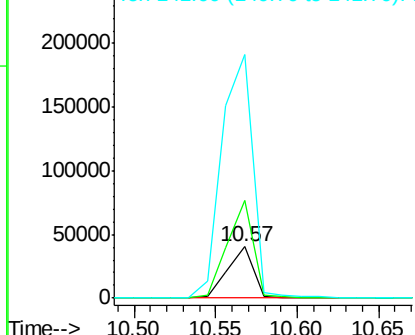
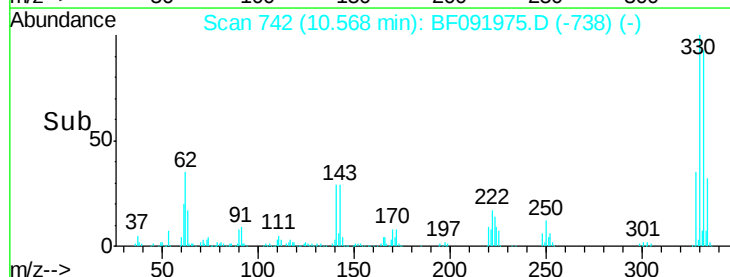


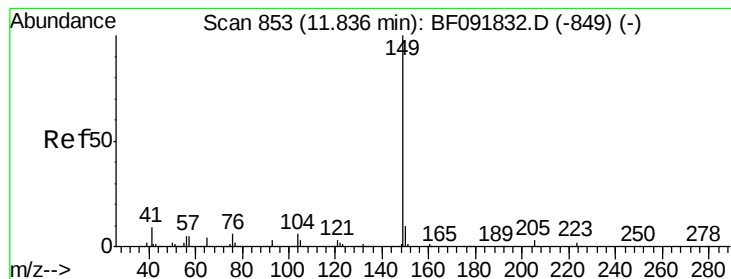
#66
4-Bromophenyl-phenylether
Concen: 4.13 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.25 min
Lab File: BF091975.D
Acq: 27 Dec 2016 18:44

Tgt Ion:248 Resp: 43825
Ion Ratio Lower Upper
248 100
250 190.1 76.9 115.3#
141 472.8 68.2 102.4#



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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.83 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

Instrument :

BNA_F

ClientSampleId :

DUP-1

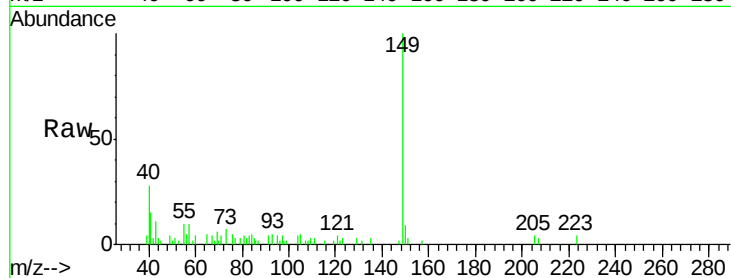
Tgt Ion:149 Resp: 16482

Ion Ratio Lower Upper

149 100

150 9.5 8.1 12.1

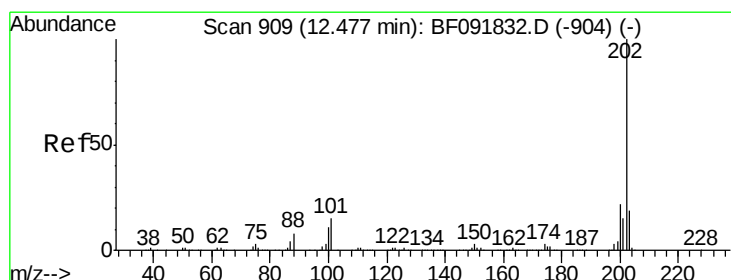
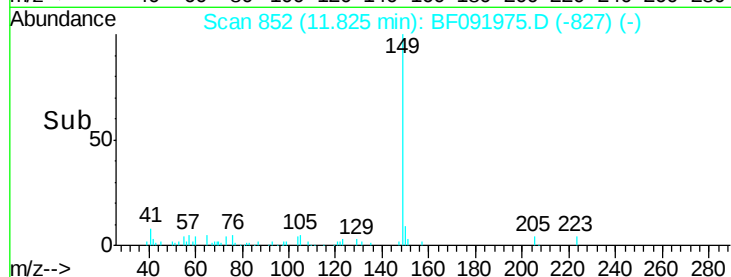
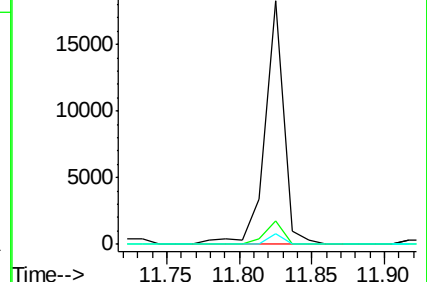
104 4.2 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

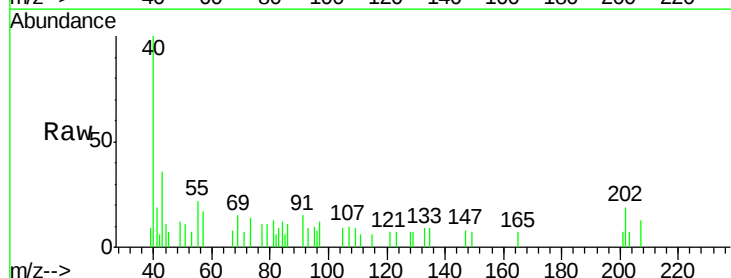
Tgt Ion:202 Resp: 1005

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

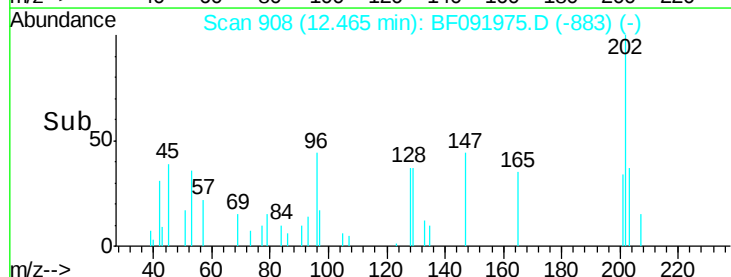
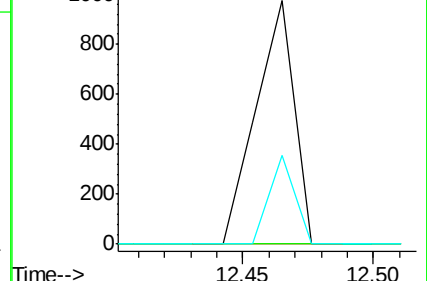
203 36.5 0.0 38.7

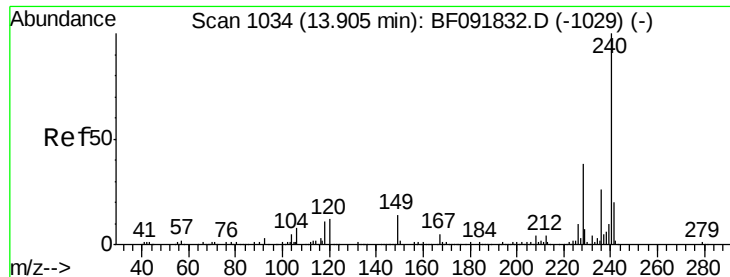


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

Instrument :

BNA_F

ClientSampleId :

DUP-1

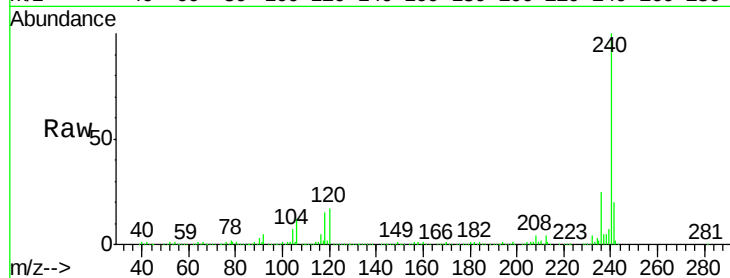
Tgt Ion:240 Resp: 767502

Ion Ratio Lower Upper

240 100

120 17.3 12.9 19.3

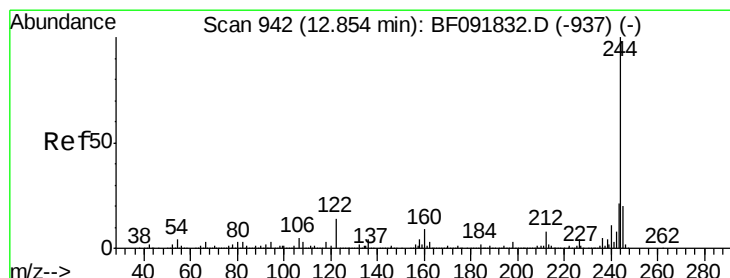
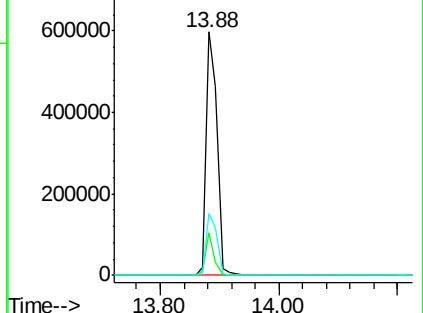
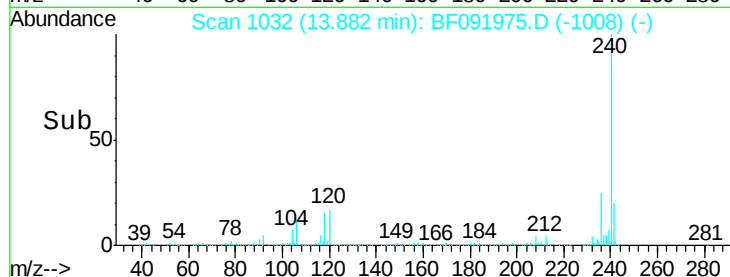
236 25.2 20.9 31.3



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: 76.94 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091975.D

Acq: 27 Dec 2016 18:44

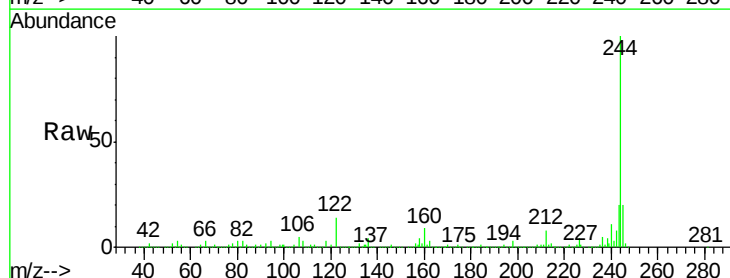
Tgt Ion:244 Resp: 2434941

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

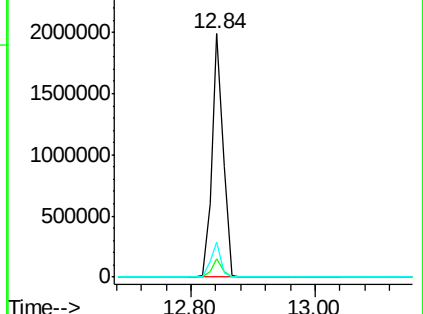
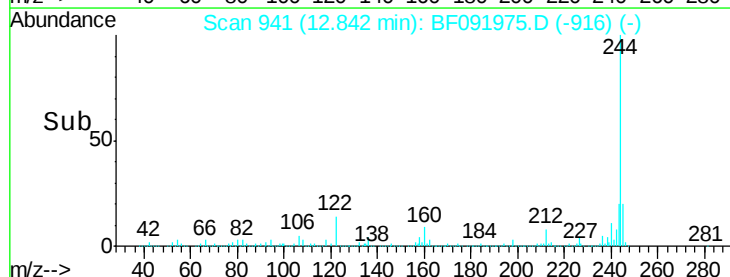
122 14.5 11.4 17.2

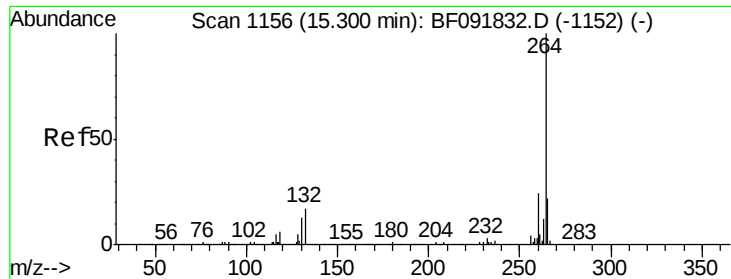


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091975.D
Acq: 27 Dec 2016 18:44

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.6	17.4	26.0

