

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091972.D
 Acq On : 27 Dec 2016 17:19
 Operator : UM/SJ
 Sample : H6241-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Dec 27 23:59:44 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

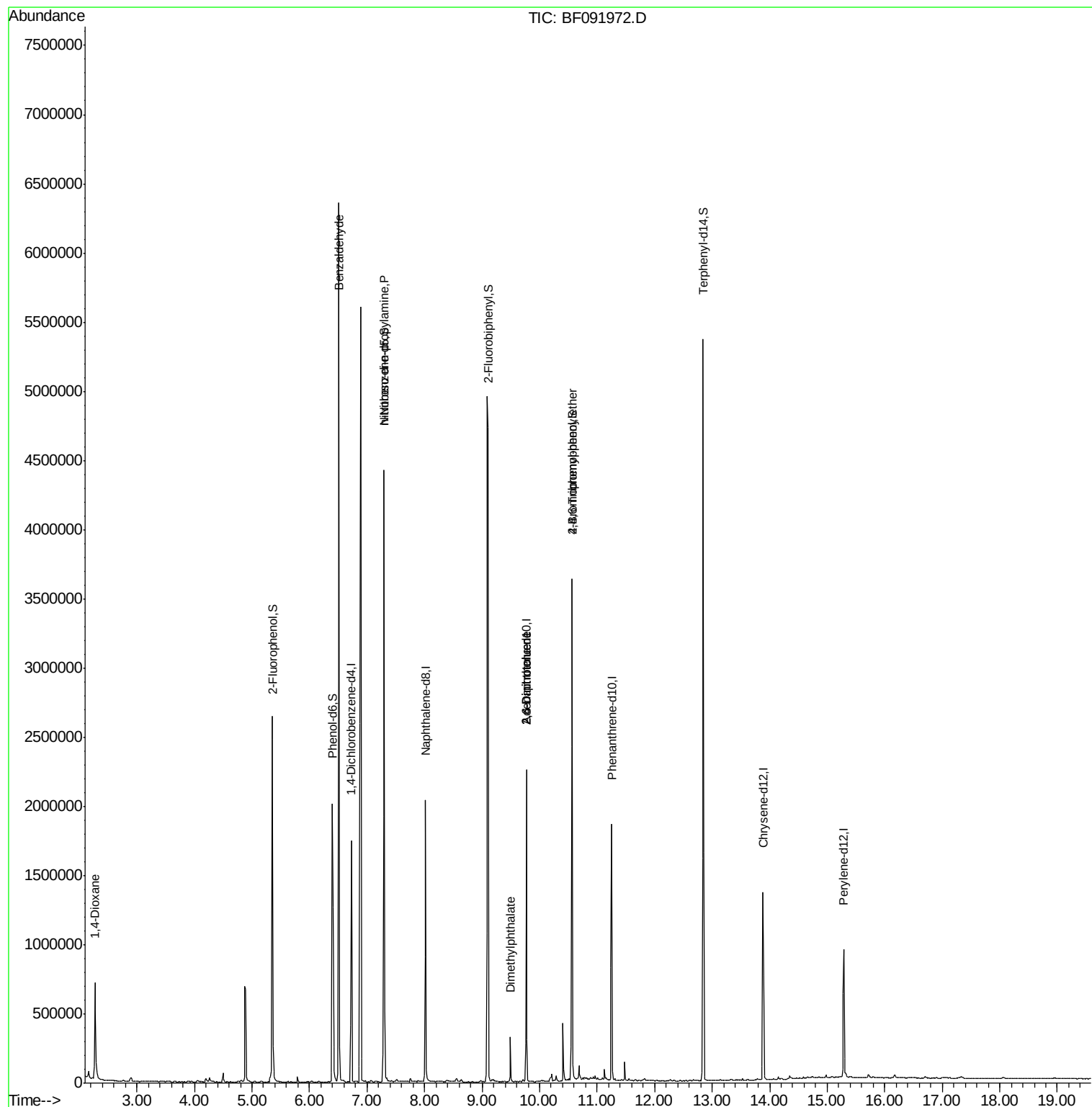
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	261292	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	1080518	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	459525	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	760054	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	566019	20.00	ng	-0.02
86) Perylene-d12	15.29	264	453646	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1154039	73.75	ng	0.01
7) Phenol-d6	6.40	99	935451	48.96	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1721334	88.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	533129	140.19	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2532060	117.89	ng	-0.01
78) Terphenyl-d14	12.84	244	1955441	83.79	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.27	88	382233	49.61	ng	Qvalue 97
9) Benzaldehyde	6.51	77	45564	2.97	ng	# 73
19) n-Nitroso-di-n-propylamine	7.30	70	234068	18.42	ng	# 76
49) Dimethylphthalate	9.49	163	122486	4.17	ng	100
50) 2,6-Dinitrotoluene	9.77	165	62156	9.66	ng	# 30
56) 2,4-Dinitrotoluene	9.77	165	62158	7.70	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	35833	4.53	ng	# 1
71) Anthracene	11.32	178	226	Below Cal		# 59
73) Di-n-butylphthalate	11.82	149	7260	Below Cal		98
74) Fluoranthene	12.68	202	239	Below Cal		61

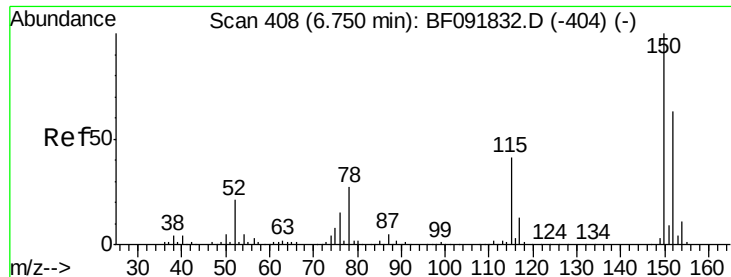
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

Instrument :

BNA_F

ClientSampleId :

MW-2

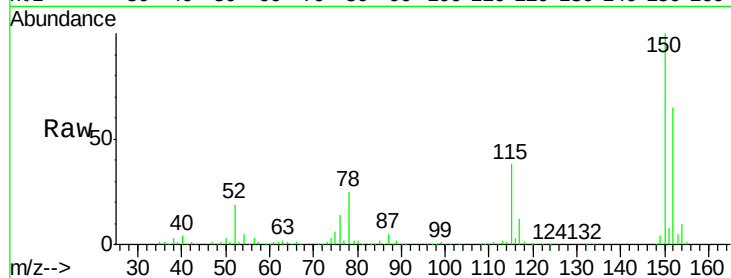
Tgt Ion:152 Resp: 261292

Ion Ratio Lower Upper

152 100

150 154.3 124.9 187.3

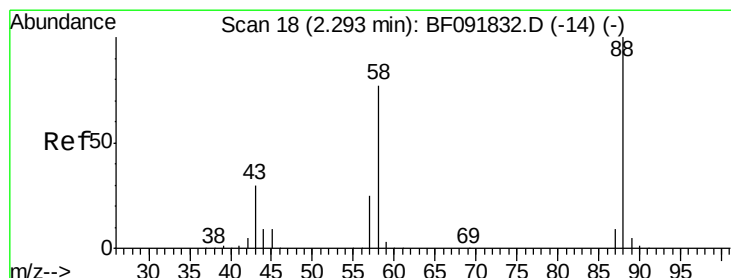
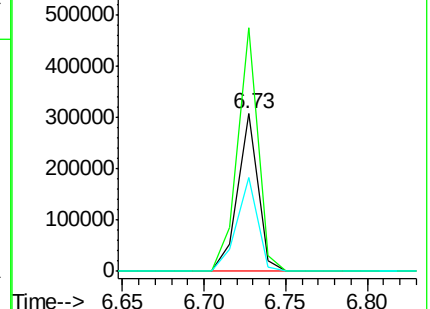
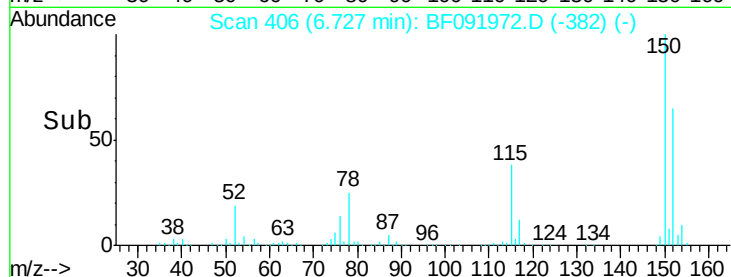
115 59.2 46.0 69.0



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: 49.61 ng

RT: 2.27 min Scan# 16

Delta R.T. -0.02 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

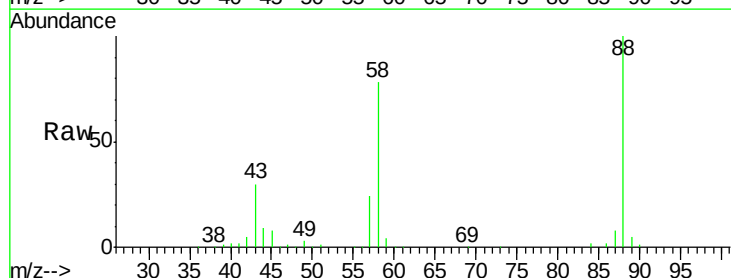
Tgt Ion: 88 Resp: 382233

Ion Ratio Lower Upper

88 100

58 74.1 57.8 86.8

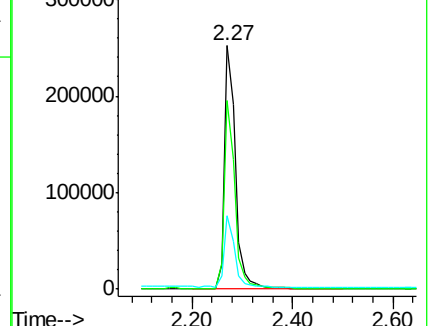
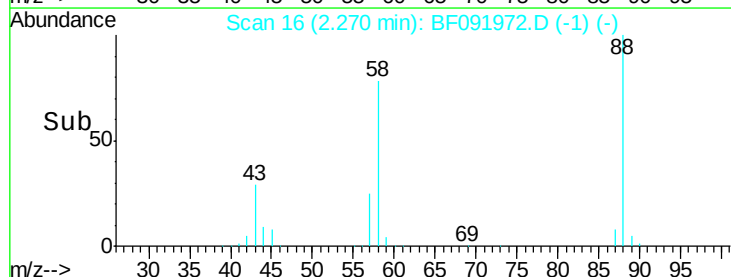
43 29.8 22.3 33.5

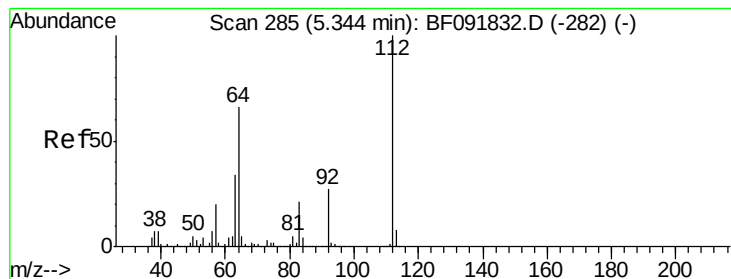


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 73.75 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

Instrument :

BNA_F

ClientSampleId :

MW-2

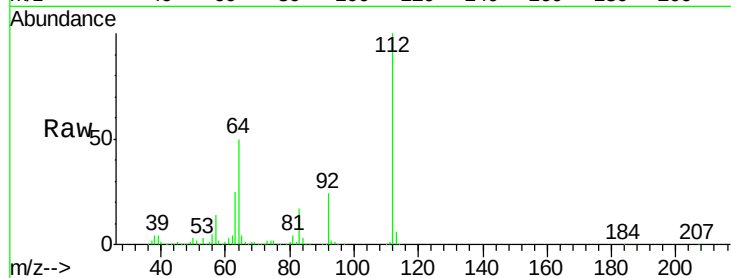
Tgt Ion: 112 Resp: 1154039

Ion Ratio Lower Upper

112 100

64 50.4 46.1 69.1

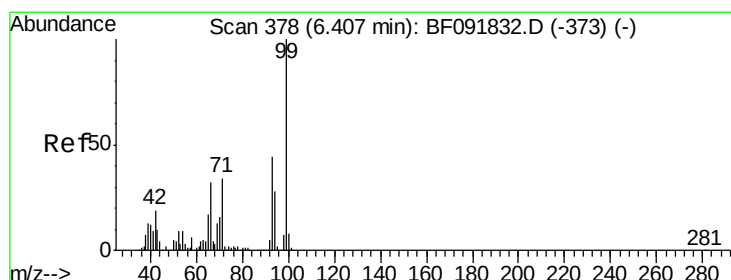
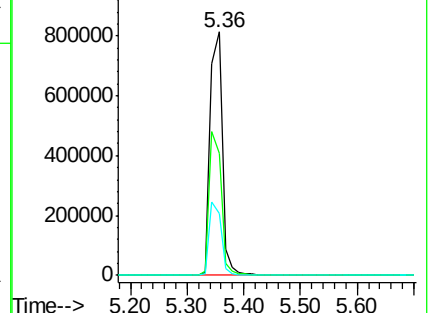
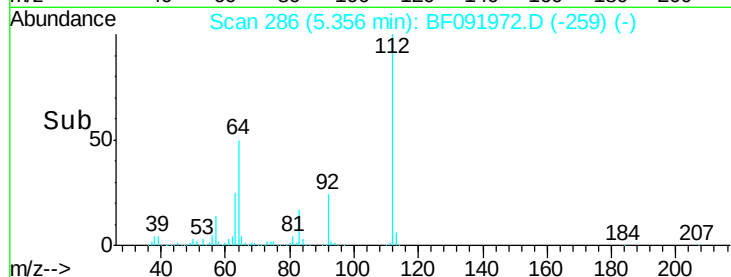
63 25.3 23.8 35.6



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: 48.96 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

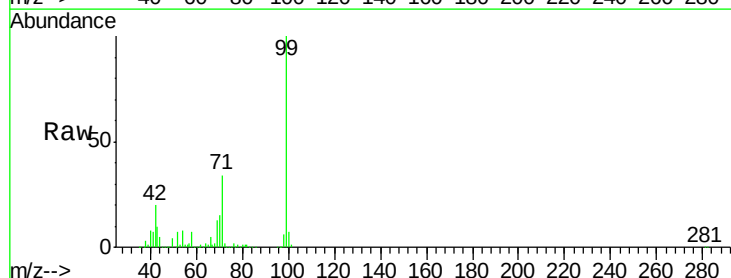
Tgt Ion: 99 Resp: 935451

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

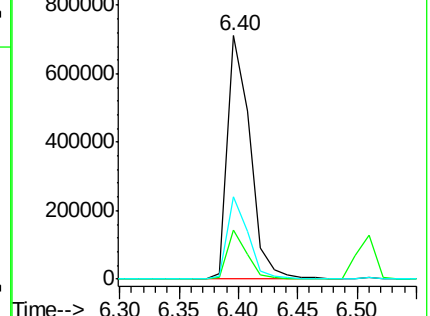
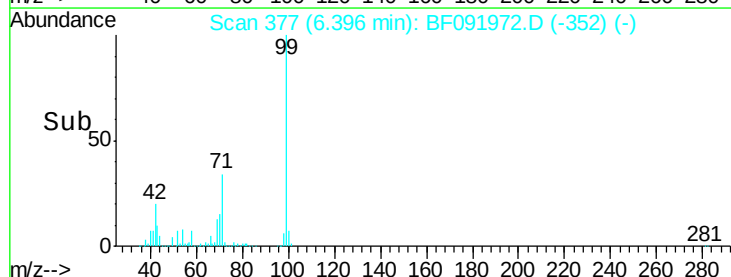
71 34.0 27.5 41.3

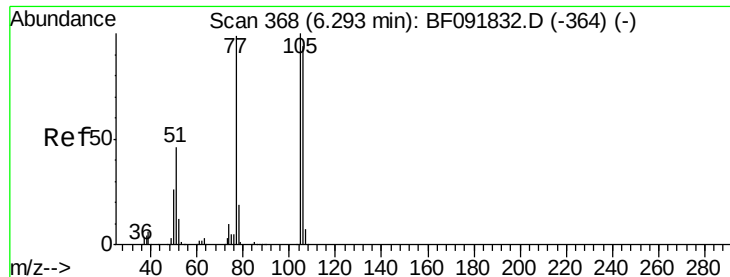


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: BF091972.D

Acq: 27 Dec 2016 17:19

Instrument :

BNA_F

ClientSampleId :

MW-2

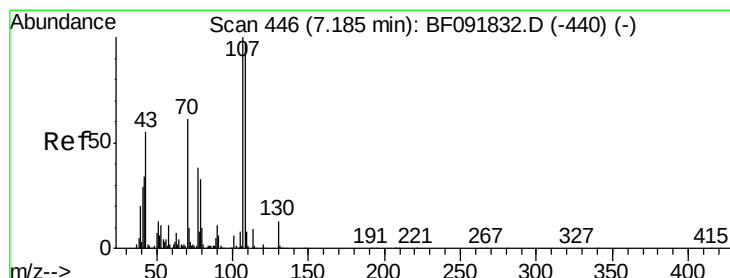
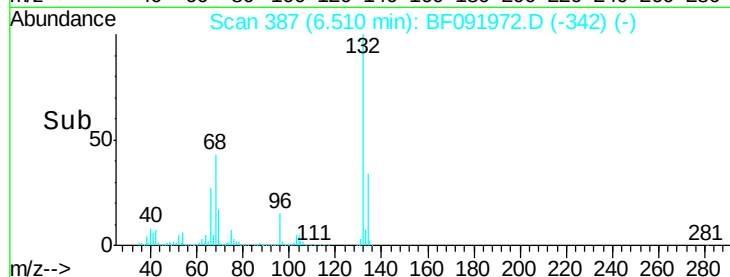
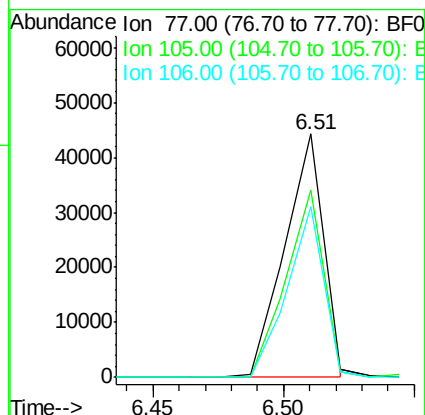
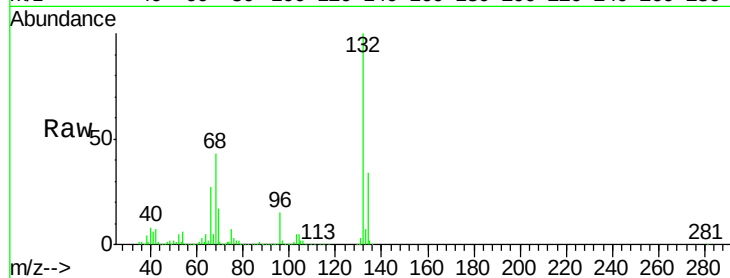
Tgt Ion: 77 Resp: 45564

Ion Ratio Lower Upper

77 100

105 76.9 83.9 123.9#

106 70.1 77.6 117.6#



#19

n-Nitroso-di-n-propylamine

Concen: 18.42 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.11 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

Tgt Ion: 70 Resp: 234068

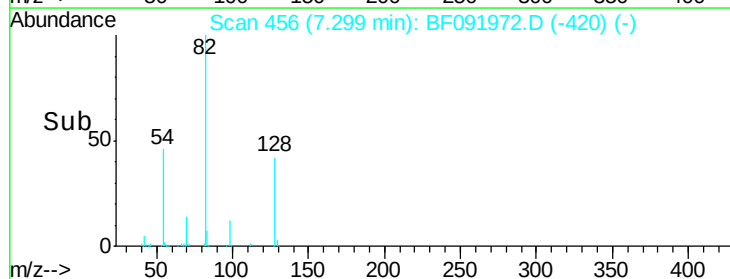
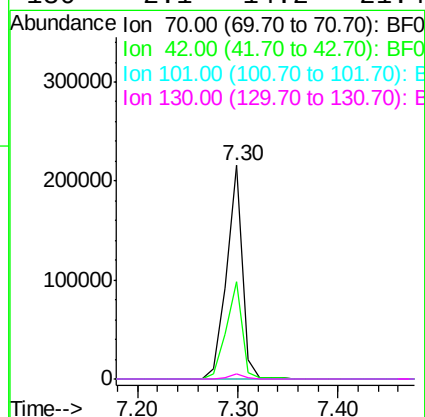
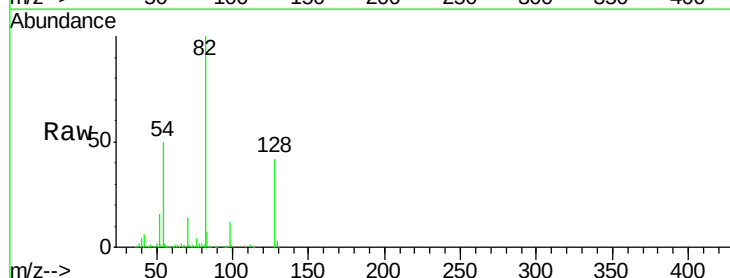
Ion Ratio Lower Upper

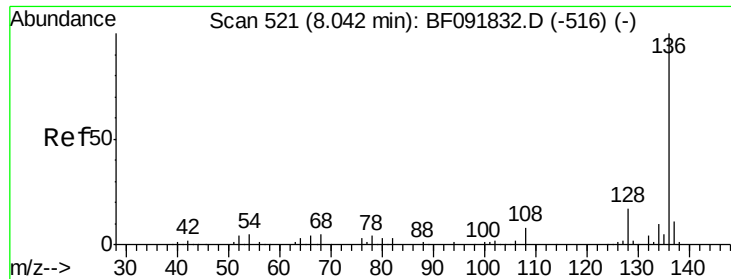
70 100

42 45.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

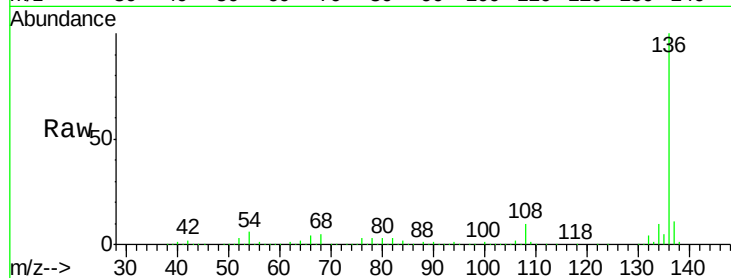




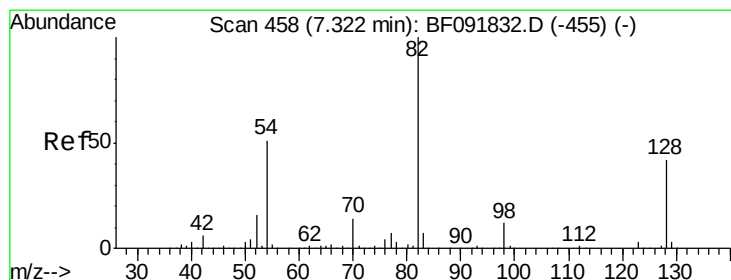
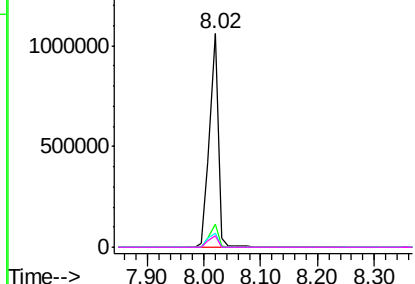
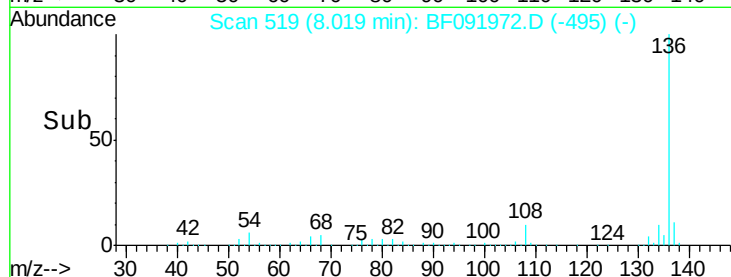
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF091972.D
Acq: 27 Dec 2016 17:19

Instrument :
BNA_F
ClientSampleId :
MW-2

Tgt Ion:136 Resp: 1080518
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 6.3 4.5 6.7
68 5.2 3.6 5.4

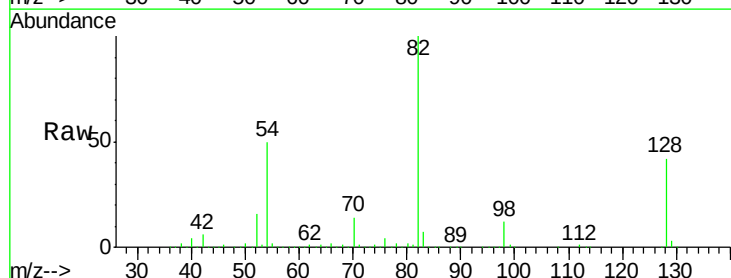


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

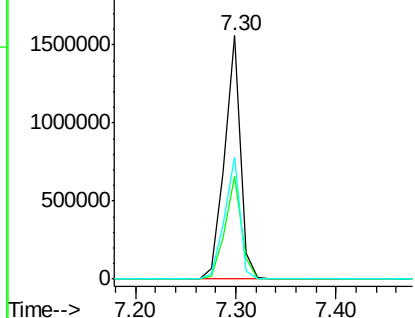
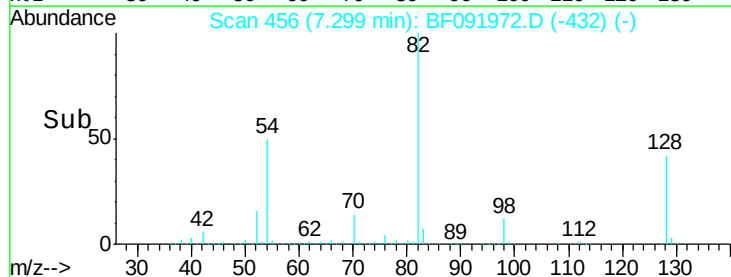


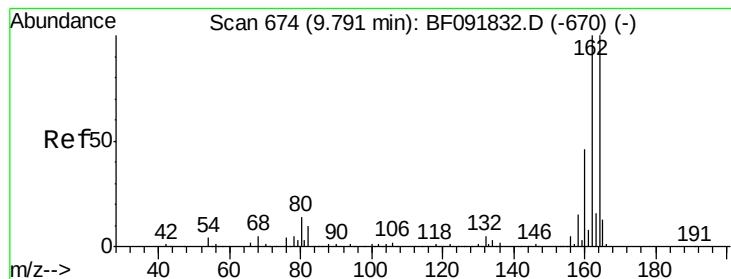
#23
Nitrobenzene-d5
Concen: 88.58 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF091972.D
Acq: 27 Dec 2016 17:19

Tgt Ion: 82 Resp: 1721334
Ion Ratio Lower Upper
82 100
128 42.1 34.6 52.0
54 50.1 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: BF091972.D

Acq: 27 Dec 2016 17:19

Instrument :

BNA_F

ClientSampleId :

MW-2

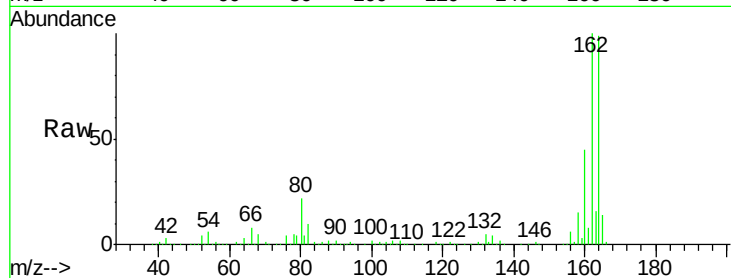
Tgt Ion:164 Resp: 459525

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

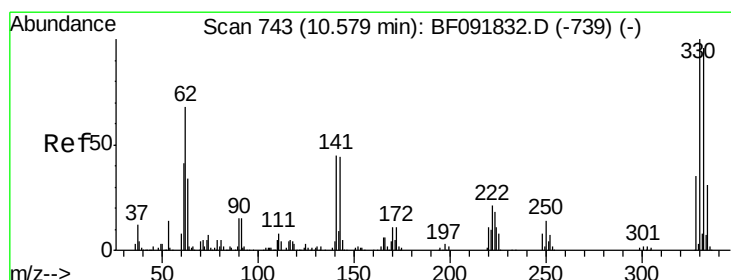
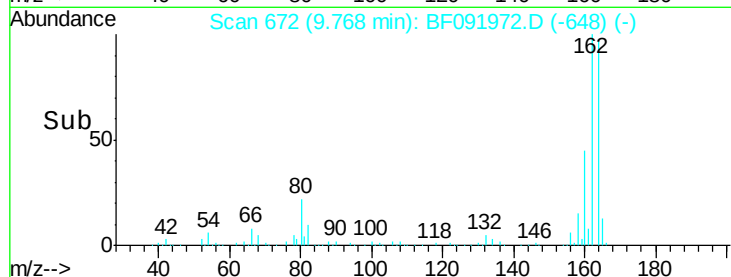
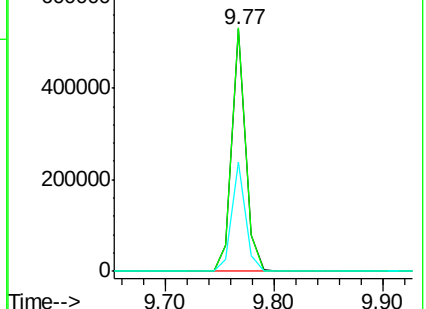
160 44.9 36.9 55.3



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: 140.19 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

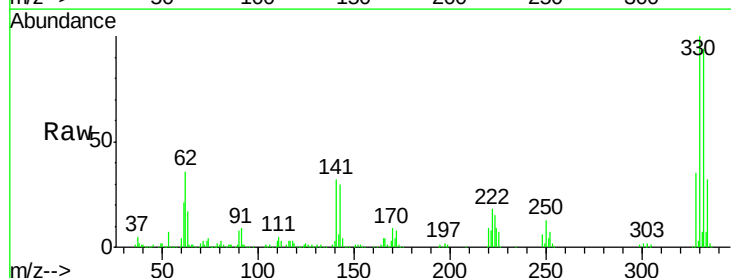
Tgt Ion:330 Resp: 533129

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.2

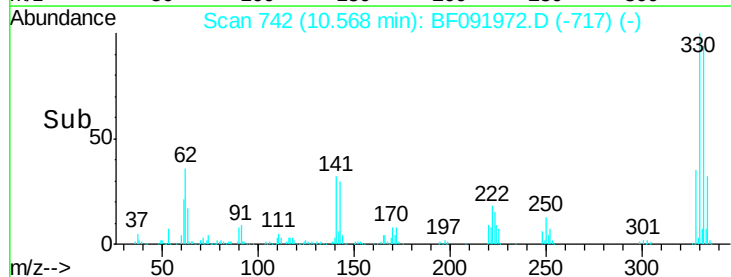
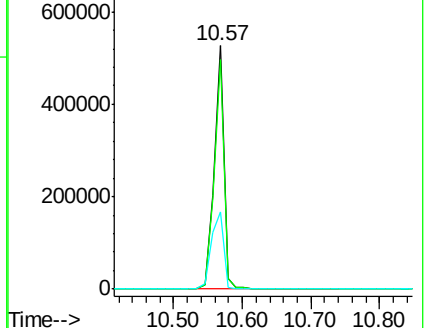
141 40.1 34.1 51.1

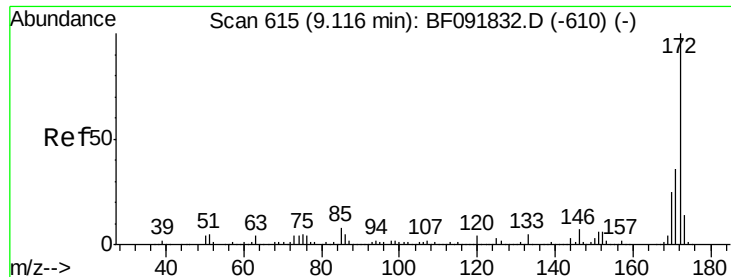


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

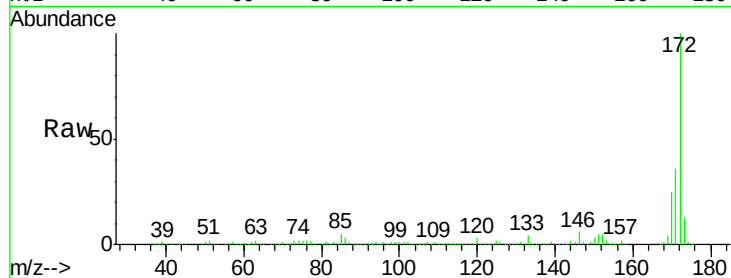




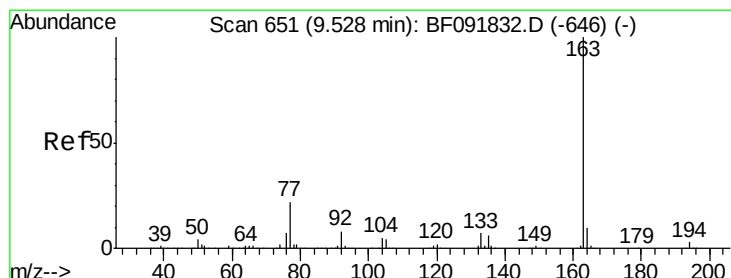
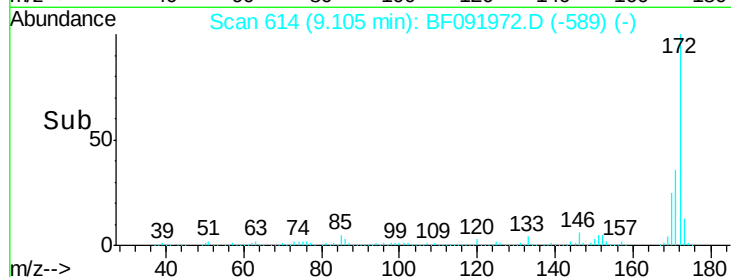
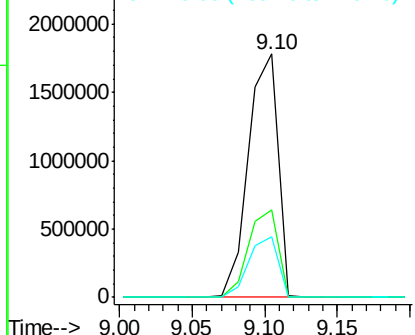
#44
2-Fluorobiphenyl
Concen: 117.89 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF091972.D
Acq: 27 Dec 2016 17:19

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 2532060
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 24.7 20.2 30.4

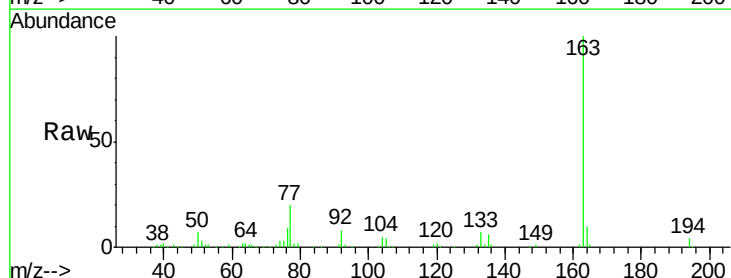


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

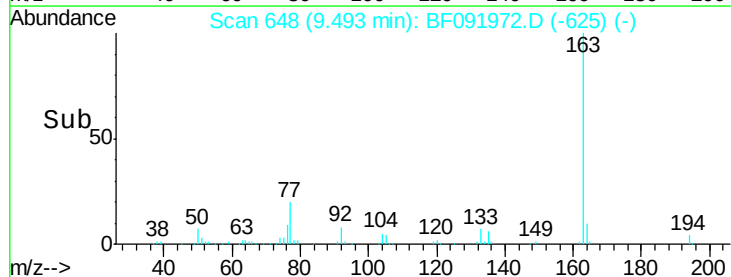
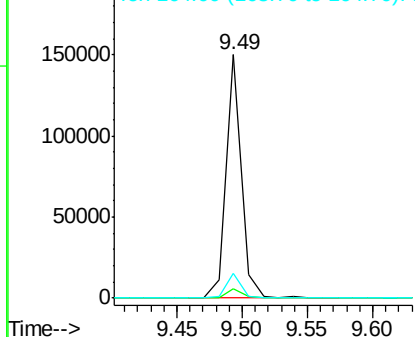


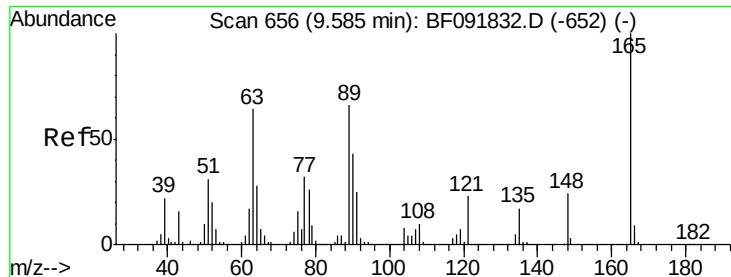
#49
Dimethylphthalate
Concen: 4.17 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.03 min
Lab File: BF091972.D
Acq: 27 Dec 2016 17:19

Tgt Ion:163 Resp: 122486
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.2 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

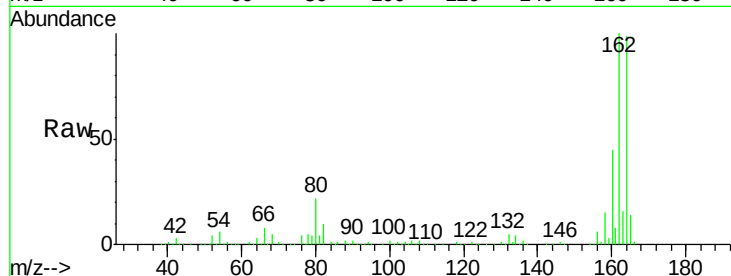




#50
 2,6-Dinitrotoluene
 Concen: 9.66 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.18 min
 Lab File: BF091972.D
 Acq: 27 Dec 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

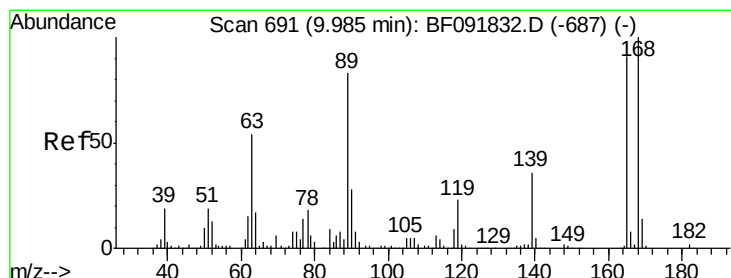
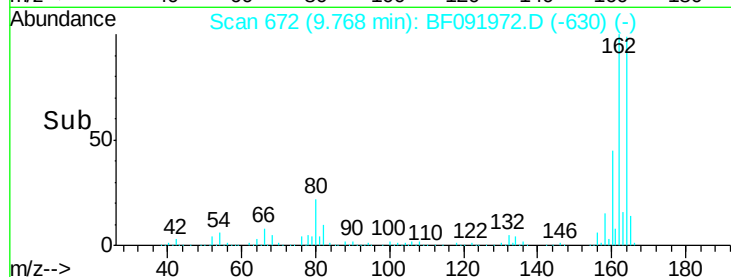
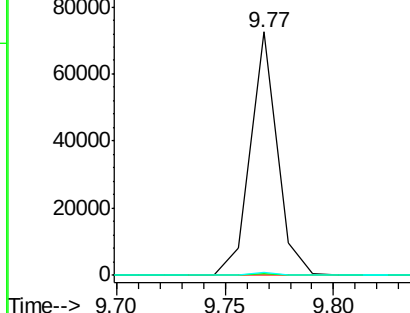
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.2	54.4#
89	1.1	40.2	60.4#



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: 7.70 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.22 min
 Lab File: BF091972.D
 Acq: 27 Dec 2016 17:19

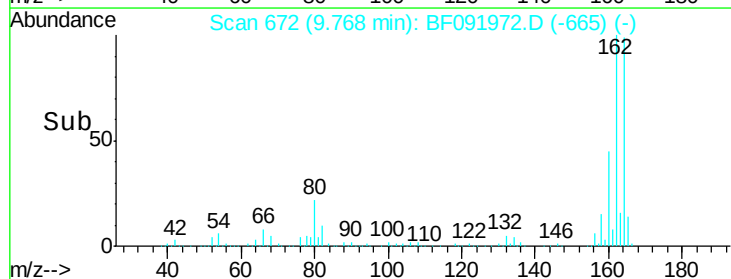
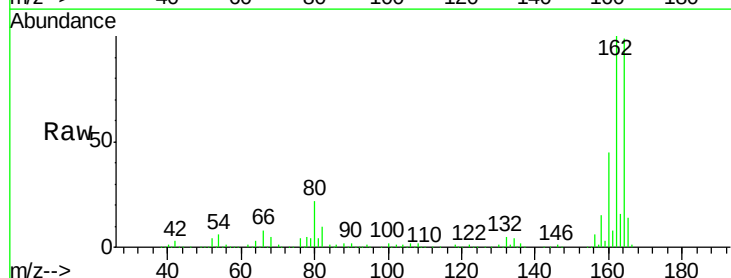
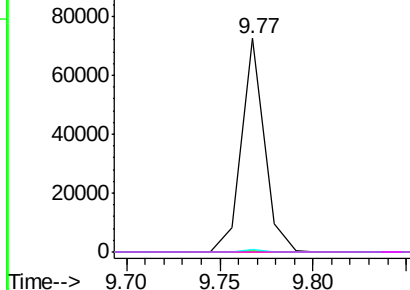
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

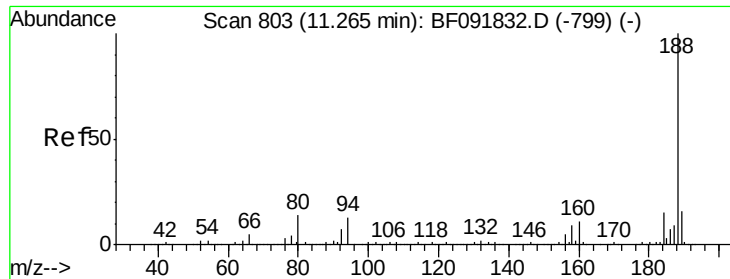
Abundance Ion 165.00 (164.70 to 165.70): E

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

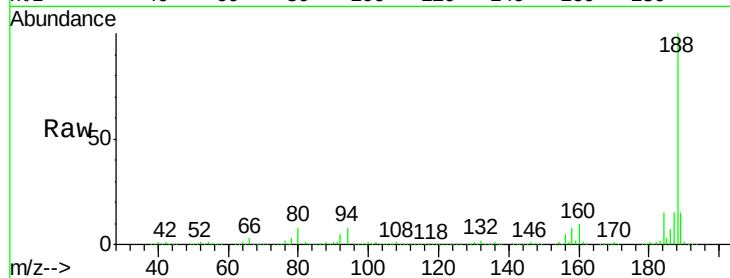




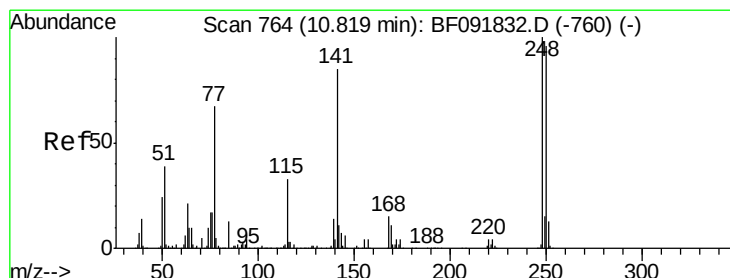
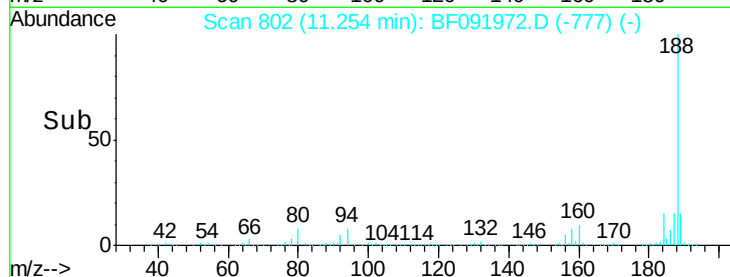
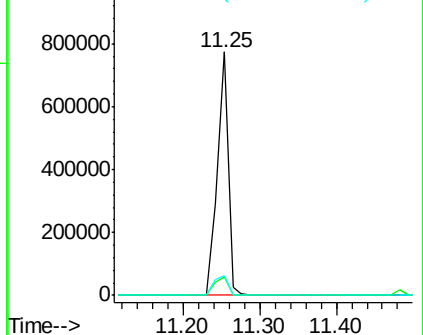
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091972.D
 Acq: 27 Dec 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tgt Ion:188 Resp: 760054
 Ion Ratio Lower Upper
 188 100
 94 7.6 10.0 15.0#
 80 8.2 11.2 16.8#

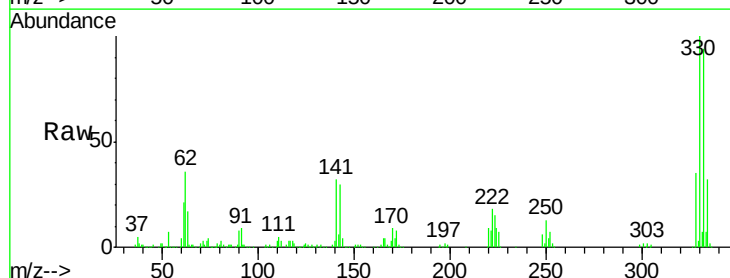


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

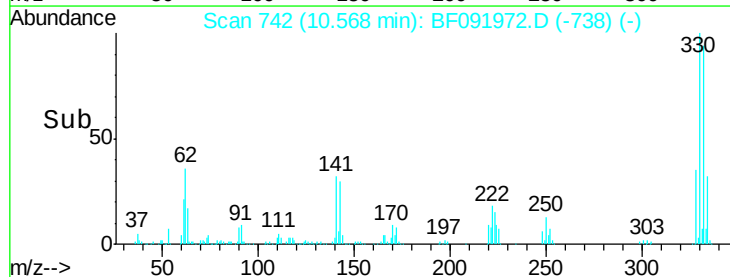
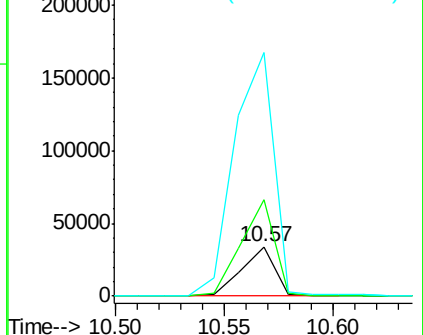


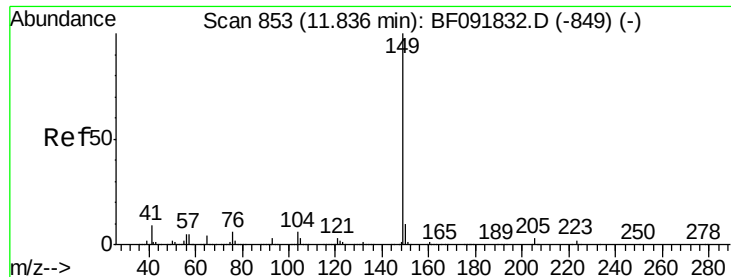
#66
 4-Bromophenyl-phenylether
 Concen: 4.53 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.25 min
 Lab File: BF091972.D
 Acq: 27 Dec 2016 17:19

Tgt Ion:248 Resp: 35833
 Ion Ratio Lower Upper
 248 100
 250 194.6 76.9 115.3#
 141 493.1 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: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

Instrument :

BNA_F

ClientSampleId :

MW-2

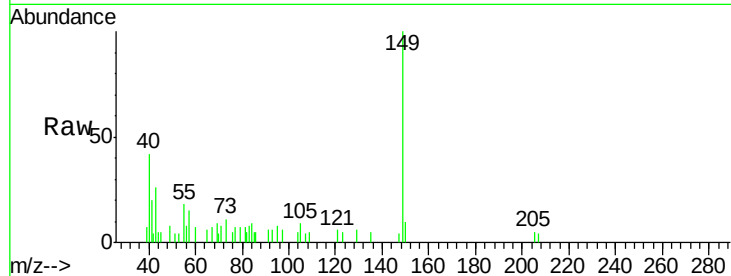
Tgt Ion:149 Resp: 7260

Ion Ratio Lower Upper

149 100

150 9.5 8.1 12.1

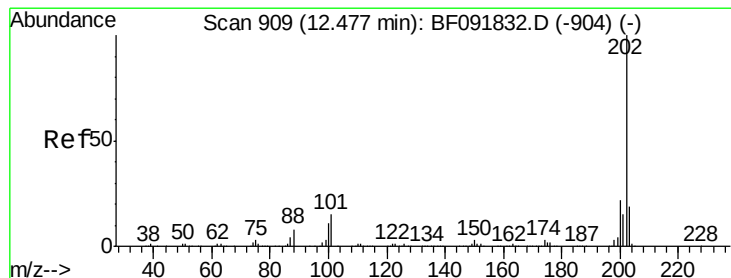
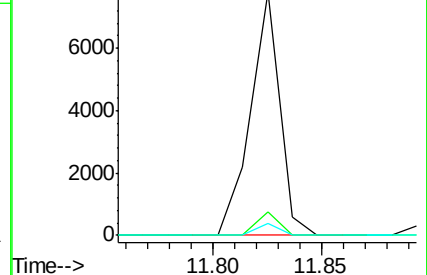
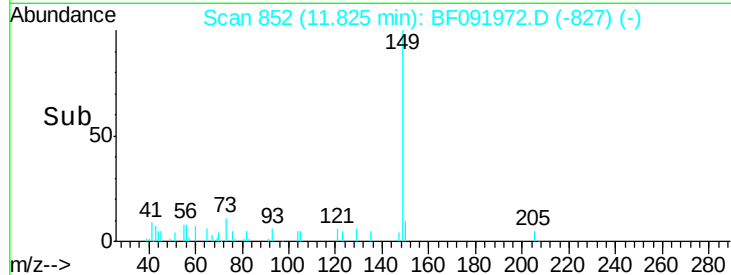
104 4.6 4.6 7.0



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: 12.68 min Scan# 927

Delta R.T. 0.21 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

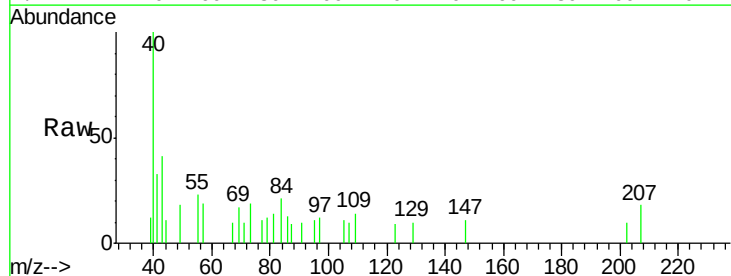
Tgt Ion:202 Resp: 239

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

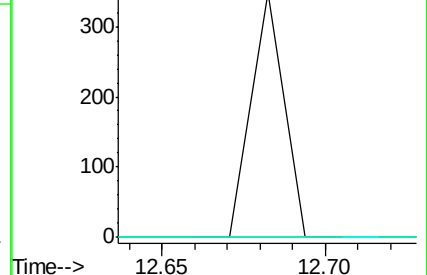
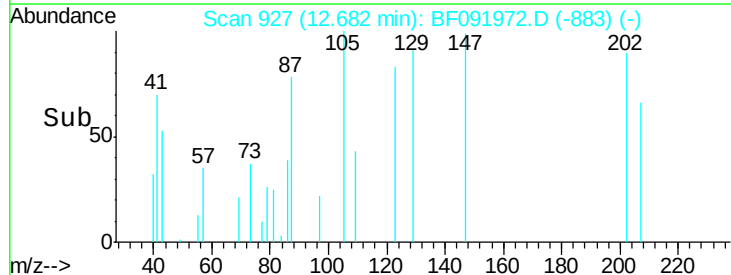
203 0.0 0.0 38.7

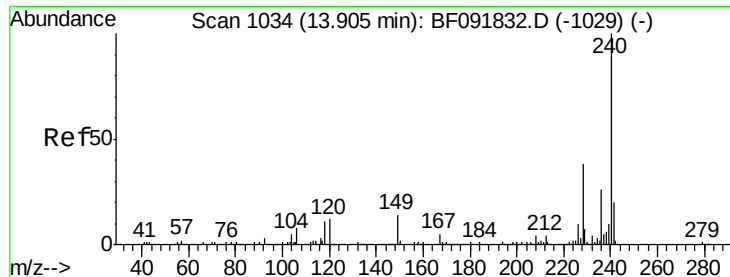


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF091972.D

Acq: 27 Dec 2016 17:19

Instrument :

BNA_F

ClientSampleId :

MW-2

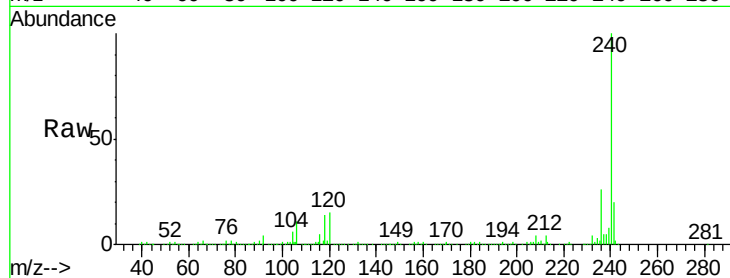
Tgt Ion:240 Resp: 566019

Ion Ratio Lower Upper

240 100

120 15.0 12.9 19.3

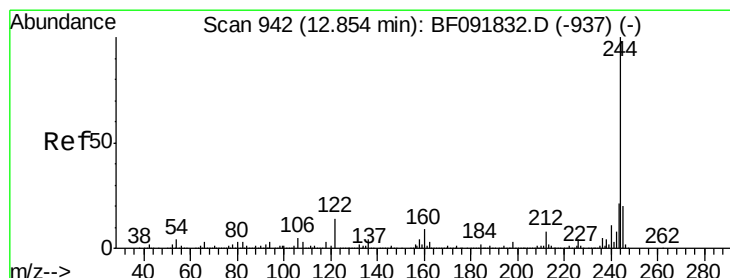
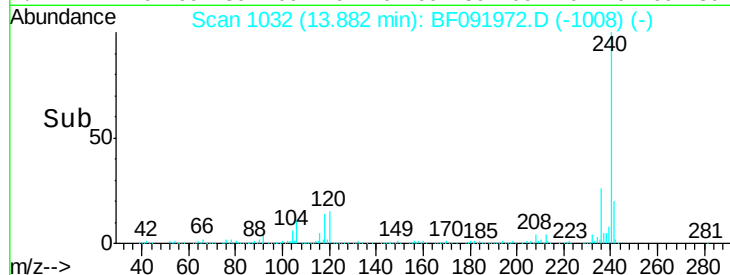
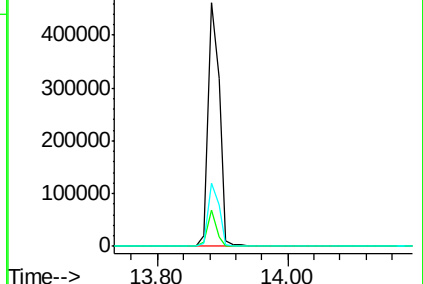
236 25.9 20.9 31.3



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: 83.79 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091972.D

Acq: 27 Dec 2016 17:19

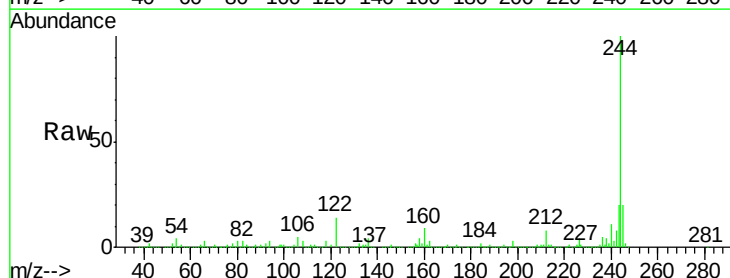
Tgt Ion:244 Resp: 1955441

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

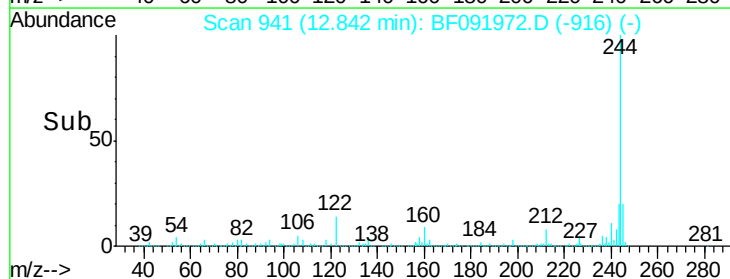
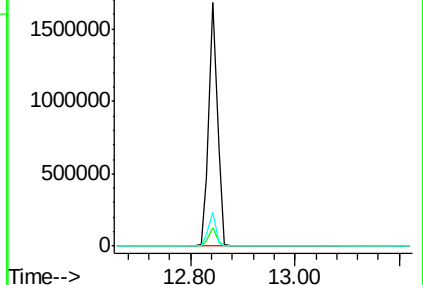
122 14.0 11.4 17.2

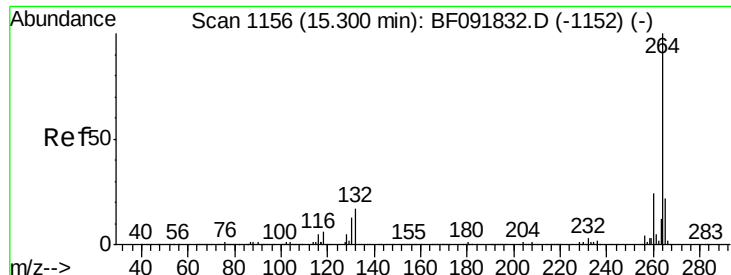


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

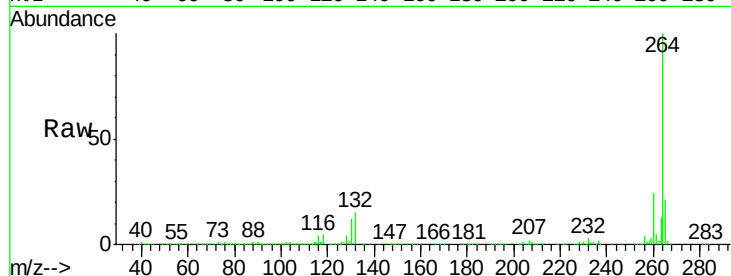




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091972.D
Acq: 27 Dec 2016 17:19

Instrument :
BNA_F
ClientSampleId :
MW-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.2	17.4	26.0



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

