

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091974.D
 Acq On : 27 Dec 2016 18:15
 Operator : UM/SJ
 Sample : H6241-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Quant Time: Dec 28 00:00:17 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

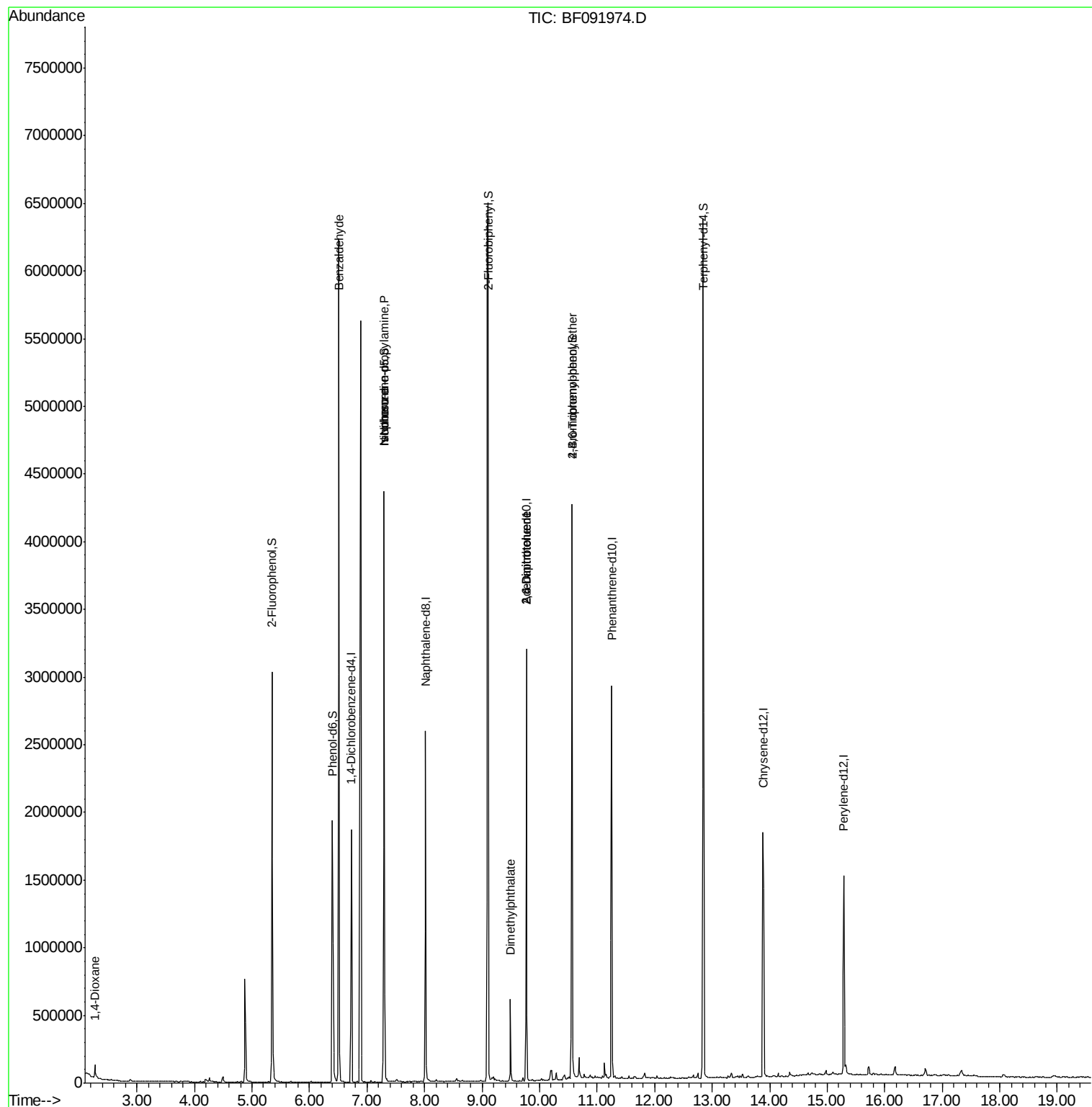
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	275382	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	1367296	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	670637	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	1112882	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	846397	20.00	ng	-0.02
86) Perylene-d12	15.29	264	657990	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1043062	63.24	ng	0.00
7) Phenol-d6	6.40	99	837730	41.60	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1689777	68.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	681055	122.71	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	3288812	103.25	ng	-0.01
78) Terphenyl-d14	12.84	244	2583143	74.02	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.27	88	51832	6.38	ng	# 95
9) Benzaldehyde	6.51	77	45821	2.82	ng	# 70
19) n-Nitroso-di-n-propylamine	7.30	70	224028	16.72	ng	# 76
25) Isophorone	7.30	82	1220043	26.89	ng	# 65
49) Dimethylphthalate	9.49	163	232909	5.43	ng	# 99
50) 2,6-Dinitrotoluene	9.77	165	88237	9.40	ng	# 30
56) 2,4-Dinitrotoluene	9.77	165	88240	7.49	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	45124	3.90	ng	# 1
71) Anthracene	11.32	178	592	Below Cal		# 59
73) Di-n-butylphthalate	11.82	149	18741	Below Cal		# 98
74) Fluoranthene	12.47	202	695	Below Cal		# 61

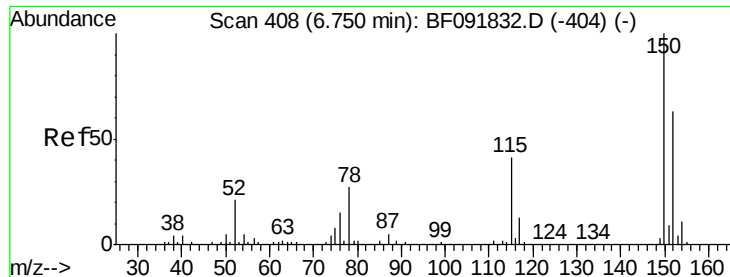
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF091974.D

Acq: 27 Dec 2016 18:15

Instrument :

BNA_F

ClientSampleId :

MW-4

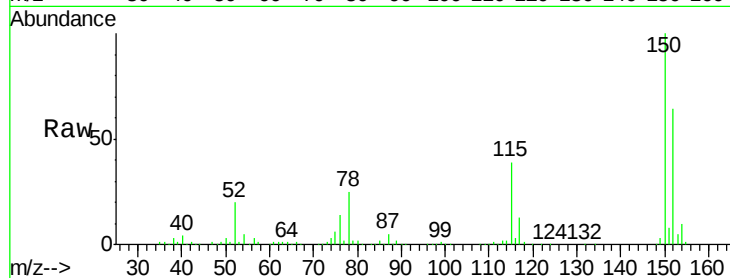
Tgt Ion:152 Resp: 275382

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

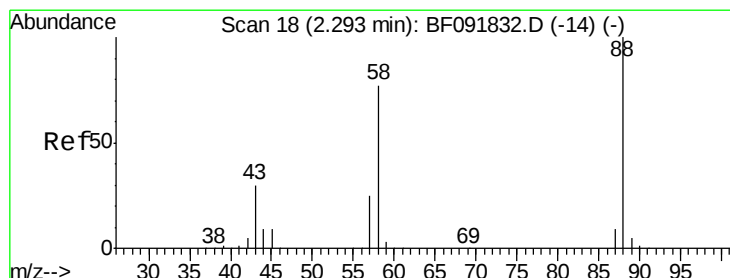
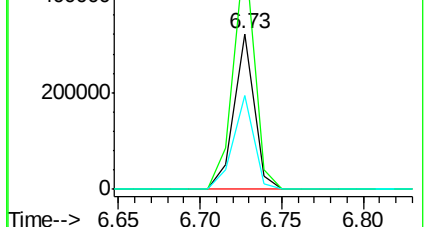
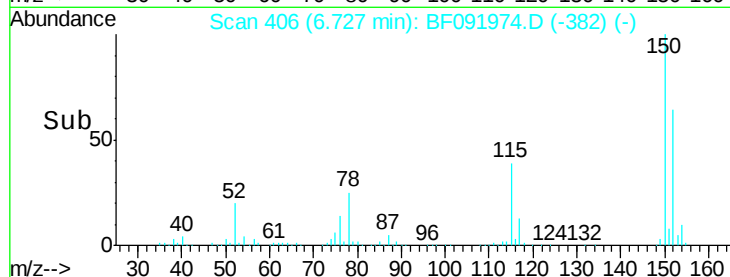
115 60.7 46.0 69.0



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: 6.38 ng

RT: 2.27 min Scan# 16

Delta R.T. -0.02 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

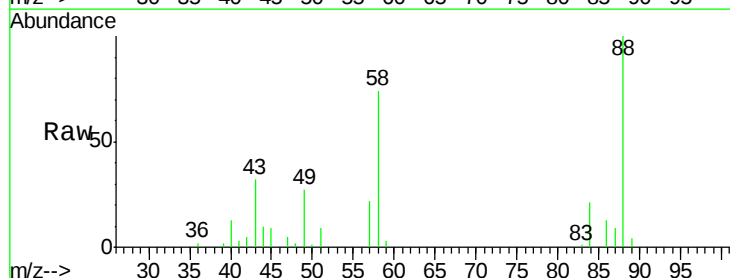
Tgt Ion: 88 Resp: 51832

Ion Ratio Lower Upper

88 100

58 74.3 57.8 86.8

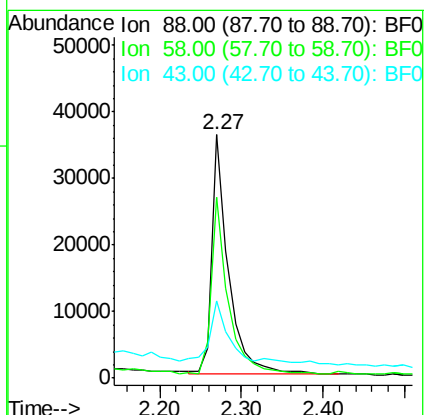
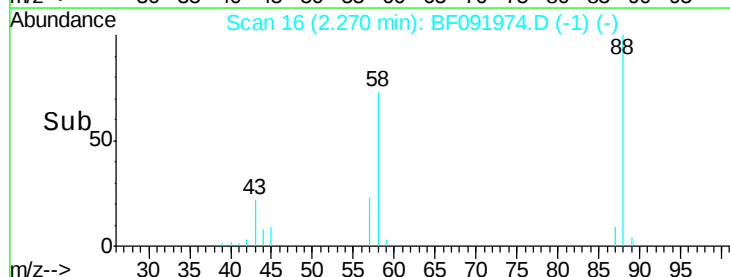
43 34.4 22.3 33.5#

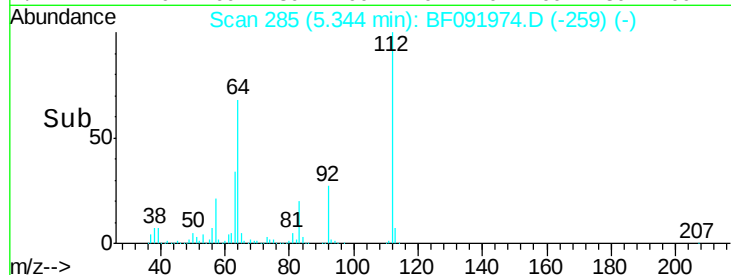
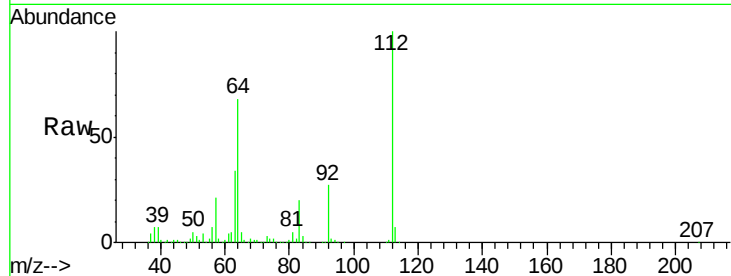
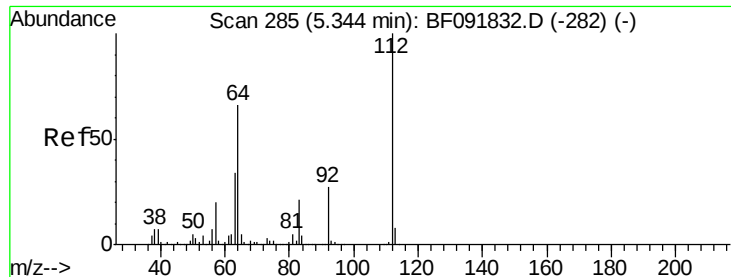


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 63.24 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

Instrument :

BNA_F

ClientSampled :

MW-4

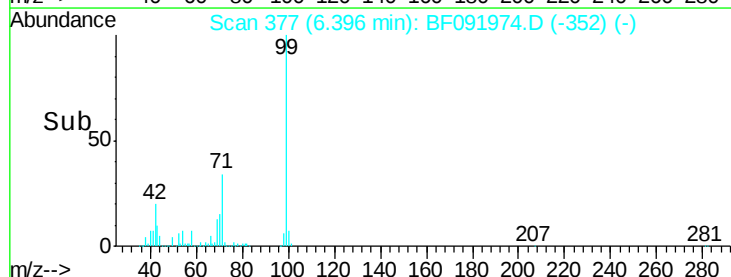
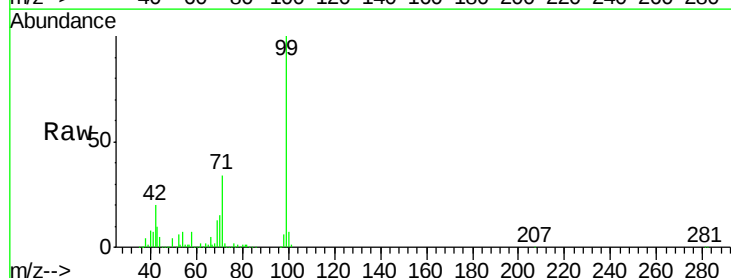
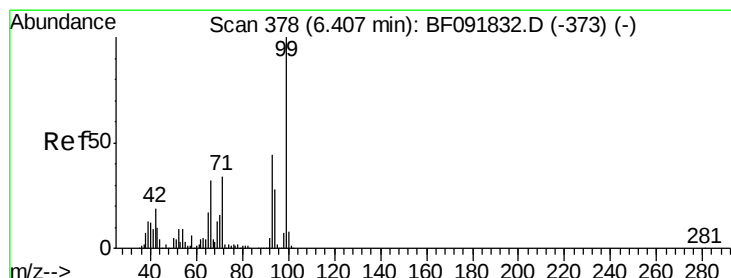
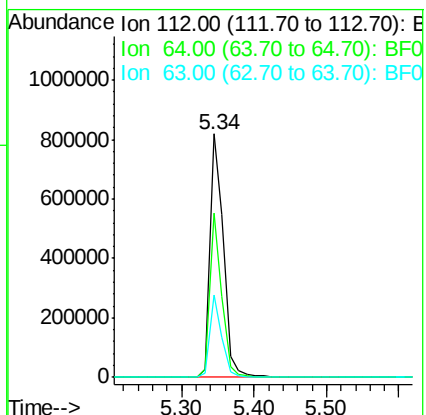
Tgt Ion: 112 Resp: 1043062

Ion Ratio Lower Upper

112 100

64 67.6 46.1 69.1

63 33.9 23.8 35.6



#7

Phenol-d6

Concen: 41.60 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

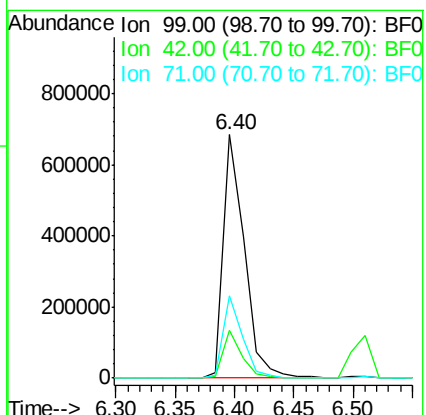
Tgt Ion: 99 Resp: 837730

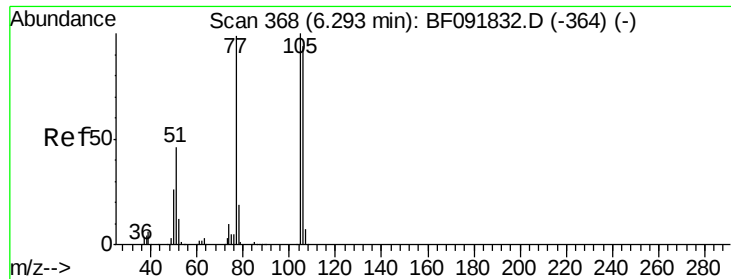
Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

71 33.7 27.5 41.3





#9

Benzaldehyde

Concen: 2.82 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.22 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

Instrument :

BNA_F

ClientSampleId :

MW-4

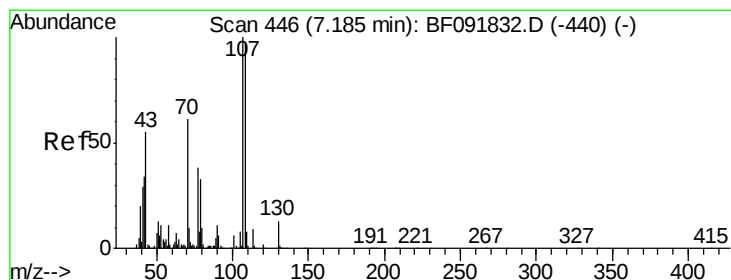
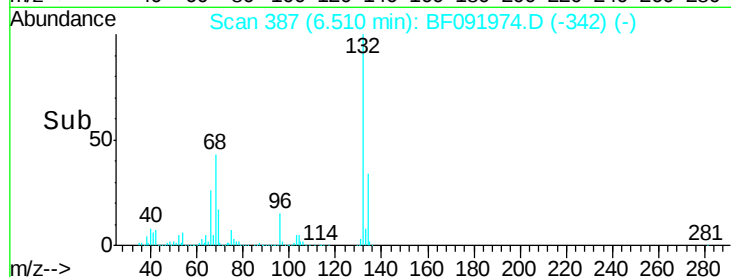
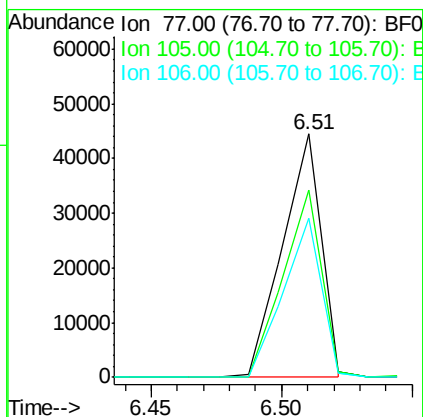
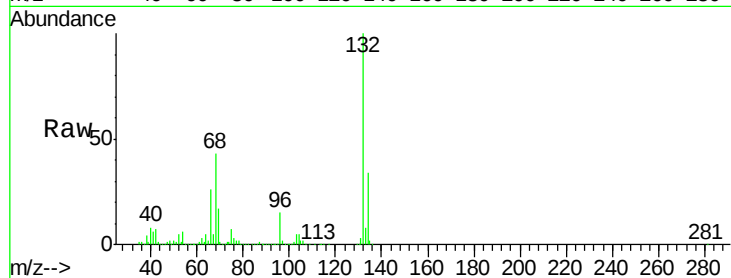
Tgt Ion: 77 Resp: 45821

Ion Ratio Lower Upper

77 100

105 76.7 83.9 123.9#

106 65.3 77.6 117.6#



#19

n-Nitroso-di-n-propylamine

Concen: 16.72 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.11 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

Tgt Ion: 70 Resp: 224028

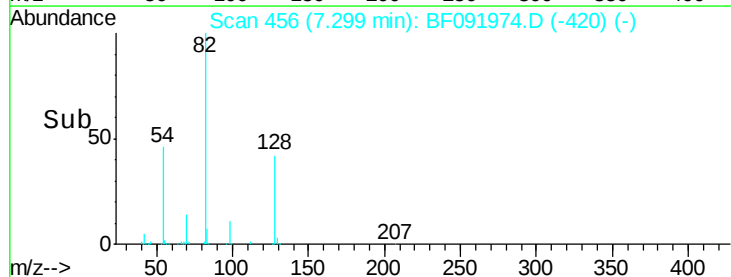
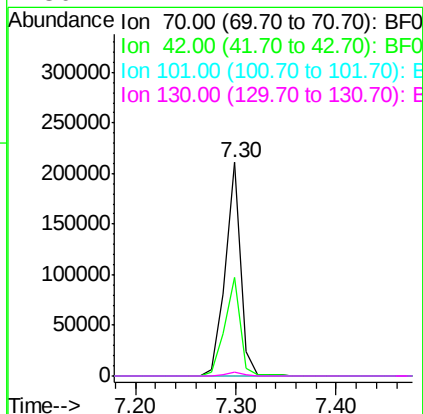
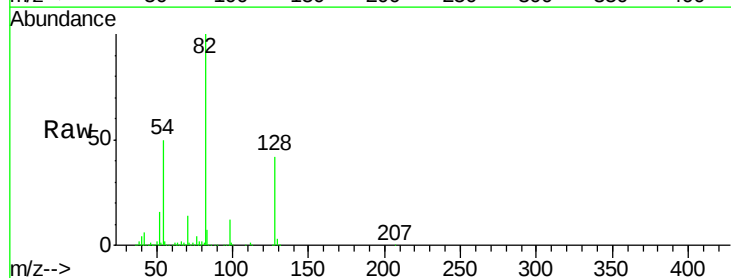
Ion Ratio Lower Upper

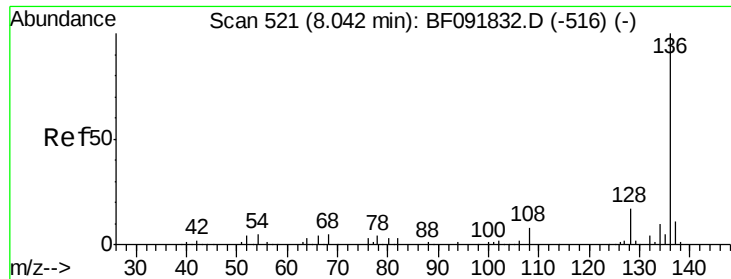
70 100

42 45.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

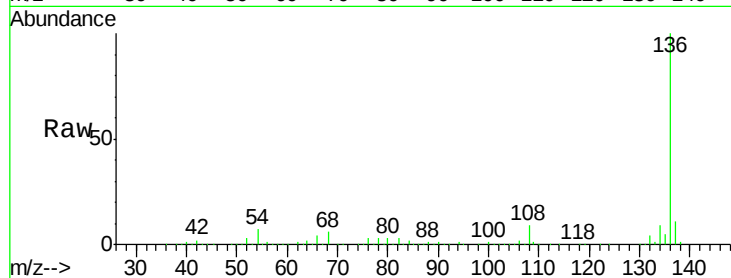




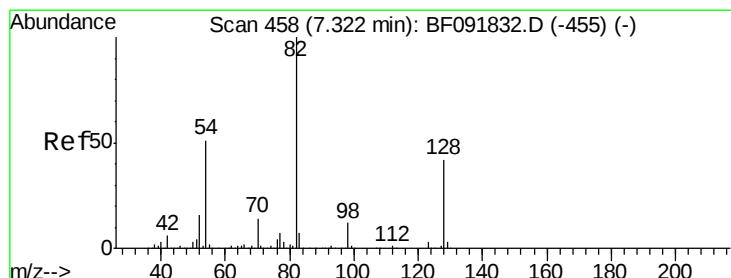
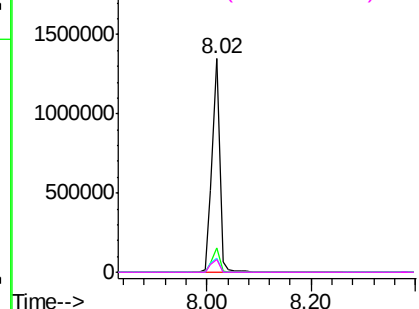
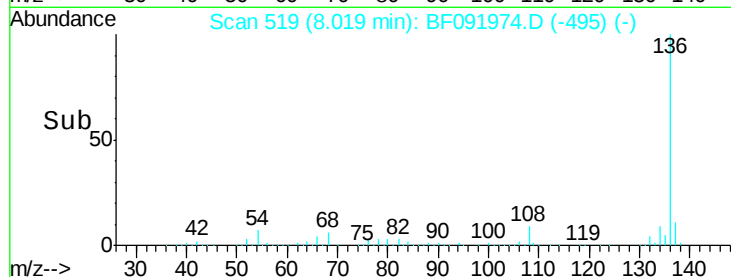
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF091974.D
Acq: 27 Dec 2016 18:15

Instrument :
BNA_F
ClientSampleId :
MW-4

Tgt Ion:136 Resp: 1367296
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.7 4.5 6.7
68 6.1 3.6 5.4#

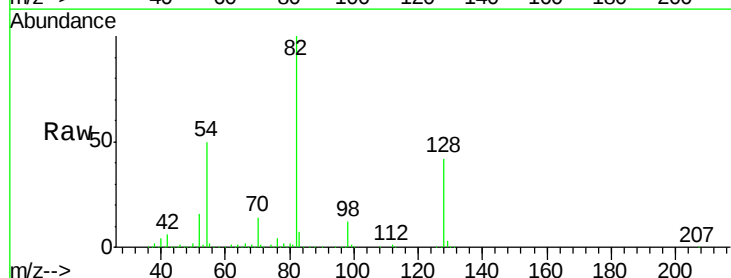


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

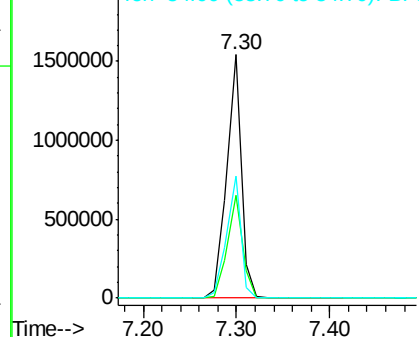
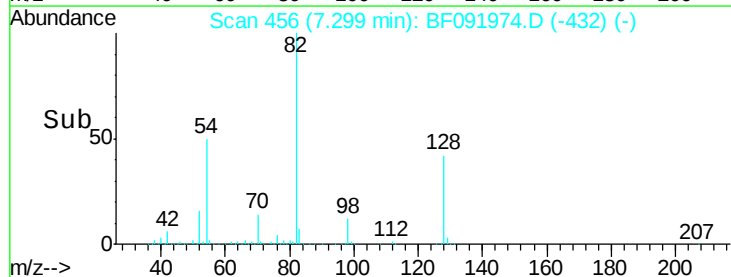


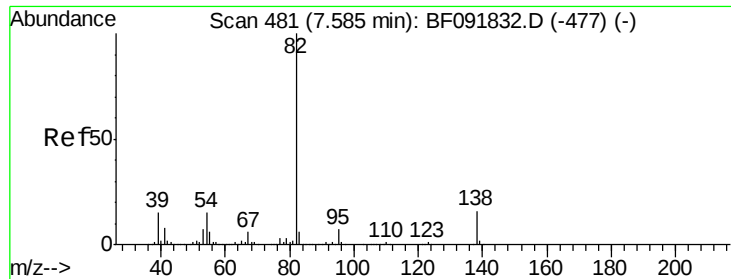
#23
Nitrobenzene-d5
Concen: 68.72 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF091974.D
Acq: 27 Dec 2016 18:15

Tgt Ion: 82 Resp: 1689777
Ion Ratio Lower Upper
82 100
128 42.1 34.6 52.0
54 50.2 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





#25

Isophorone

Concen: 26.89 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.29 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

Instrument :

BNA_F

ClientSampleId :

MW-4

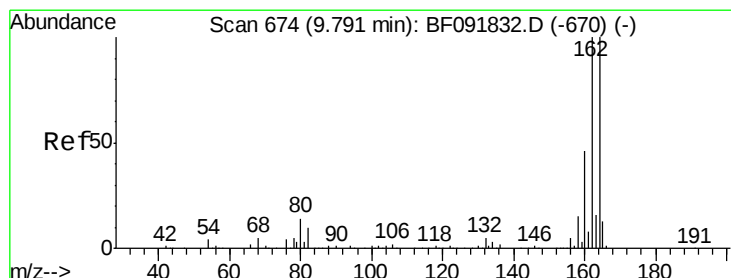
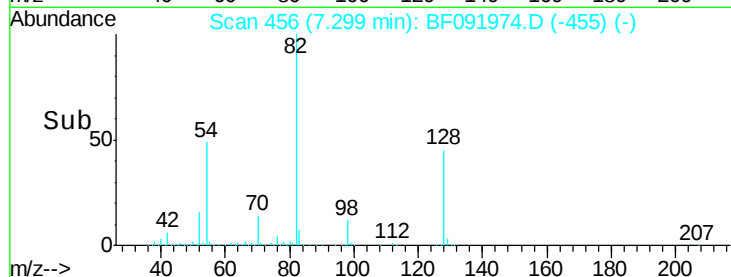
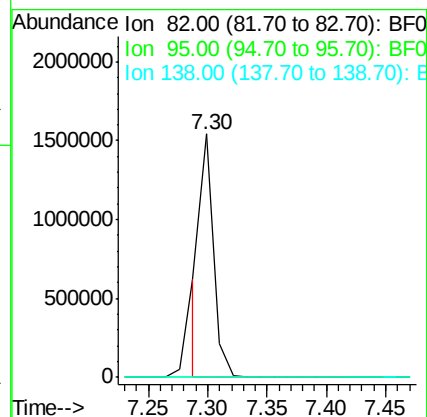
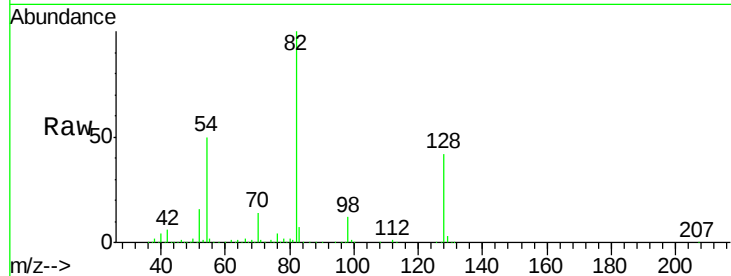
Tgt Ion: 82 Resp: 1220043

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

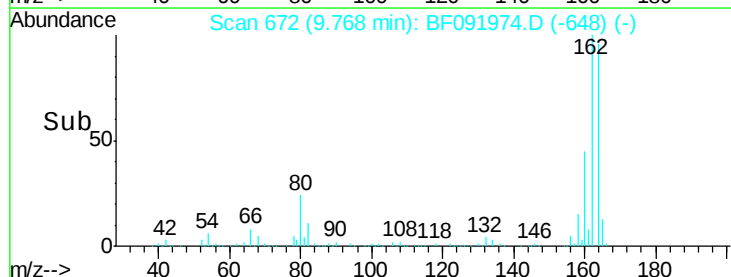
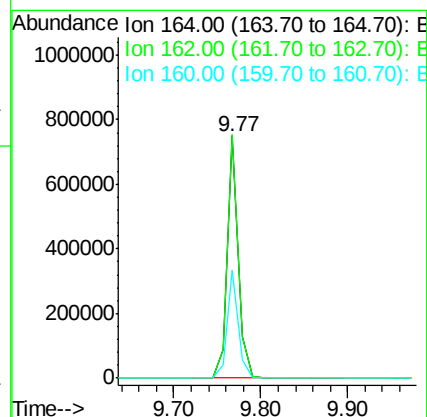
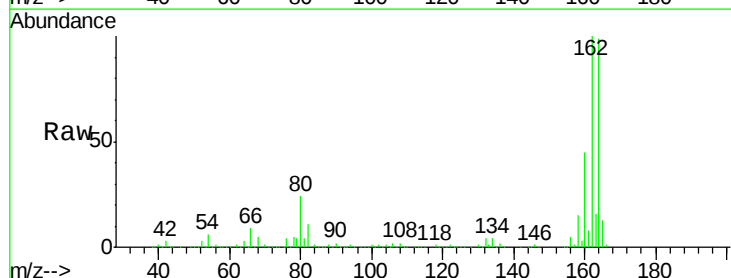
Tgt Ion: 164 Resp: 670637

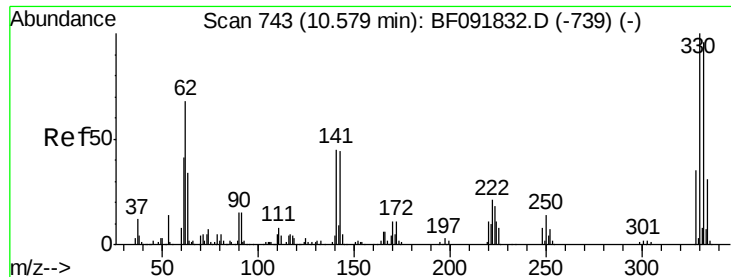
Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

160 44.8 36.9 55.3

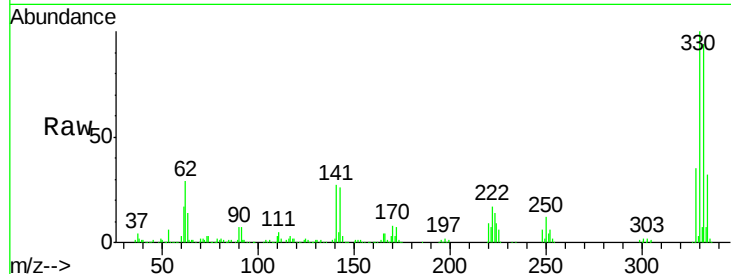




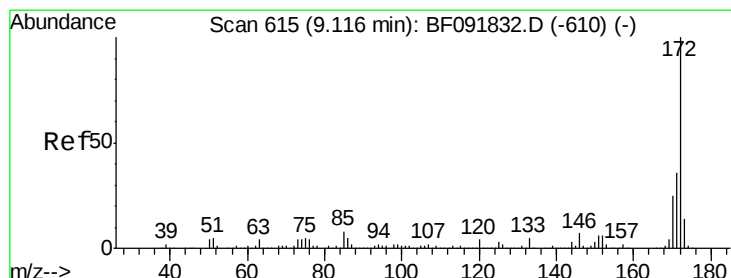
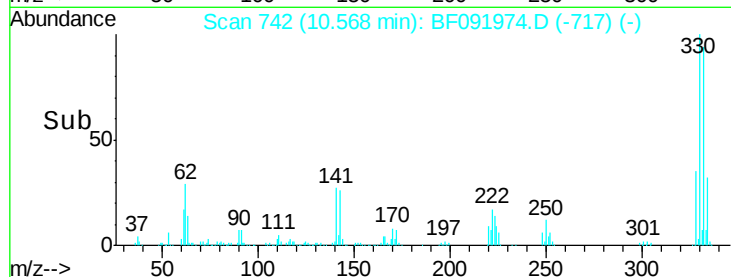
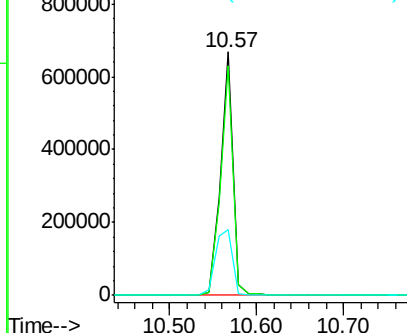
#41
 2,4,6-Tribromophenol
 Concen: 122.71 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091974.D
 Acq: 27 Dec 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:330 Resp: 681055
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.4 116.2
 141 36.9 34.1 51.1

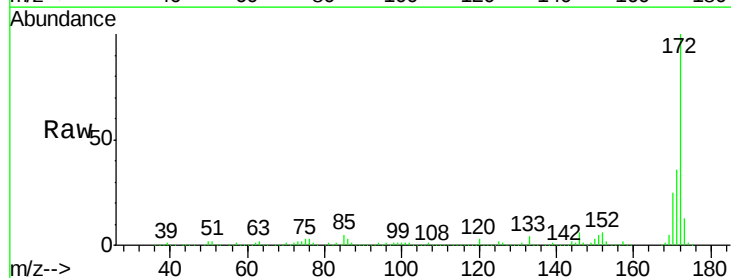


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

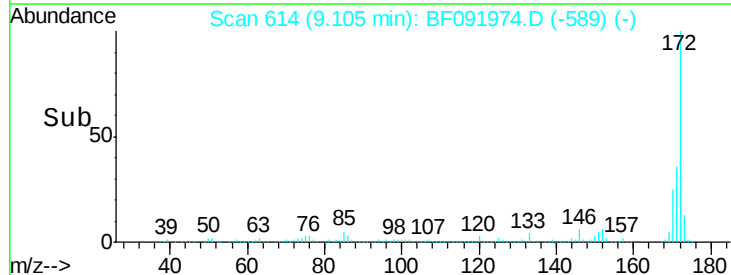
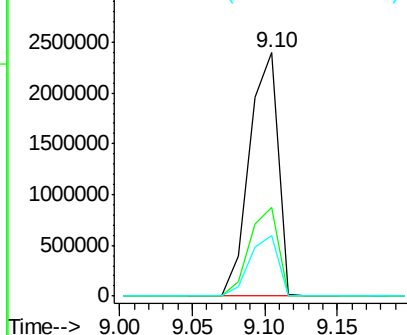


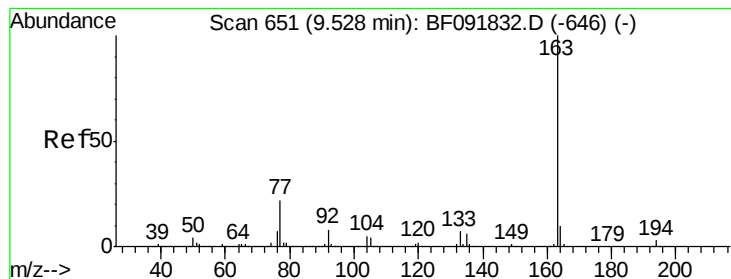
#44
 2-Fluorobiphenyl
 Concen: 103.25 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091974.D
 Acq: 27 Dec 2016 18:15

Tgt Ion:172 Resp: 3288812
 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: 5.43 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.03 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

Instrument :

BNA_F

ClientSampleId :

MW-4

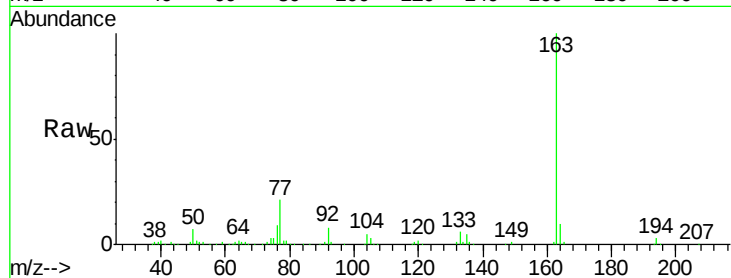
Tgt Ion:163 Resp: 232909

Ion Ratio Lower Upper

163 100

194 2.9 3.0 4.4#

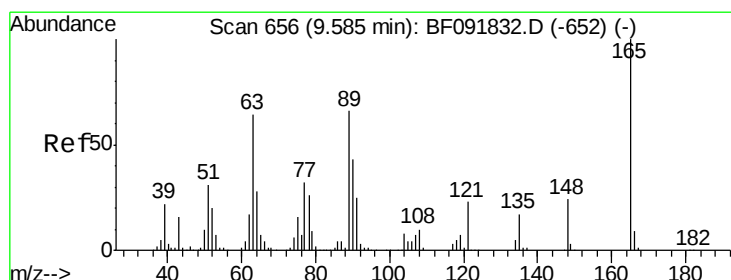
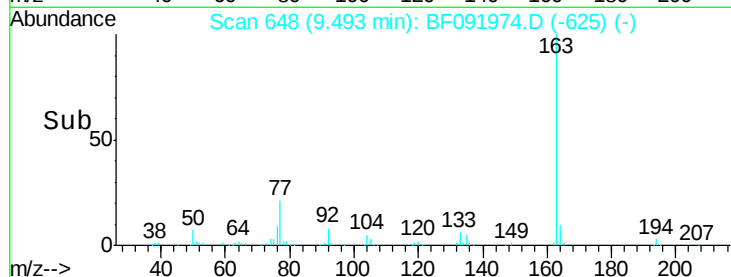
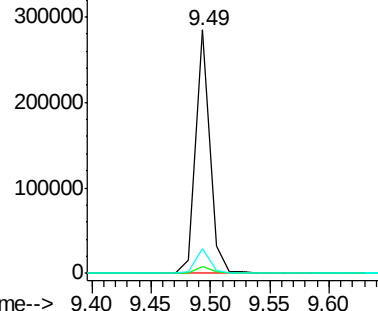
164 10.2 8.0 12.0



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: 9.40 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.18 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

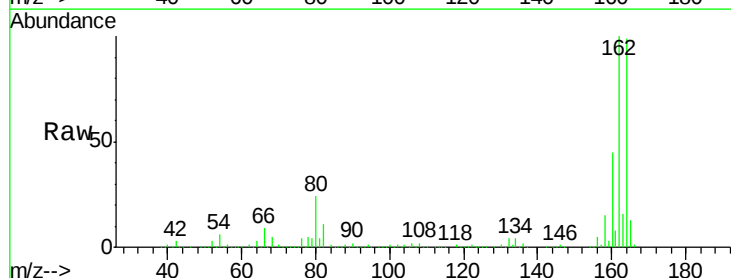
Tgt Ion:165 Resp: 88237

Ion Ratio Lower Upper

165 100

63 0.9 36.2 54.4#

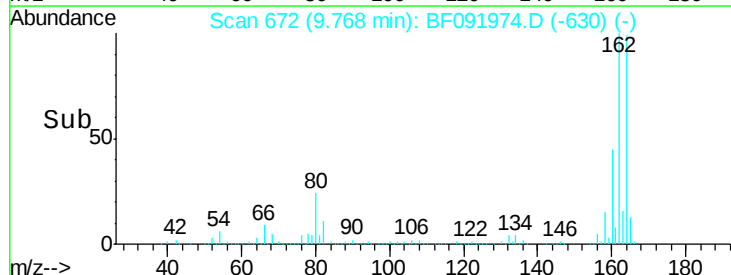
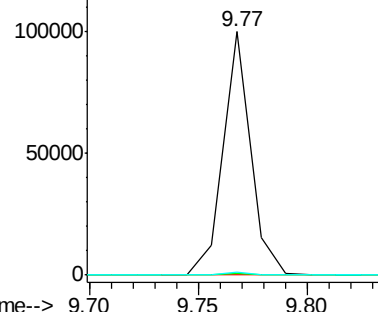
89 1.1 40.2 60.4#

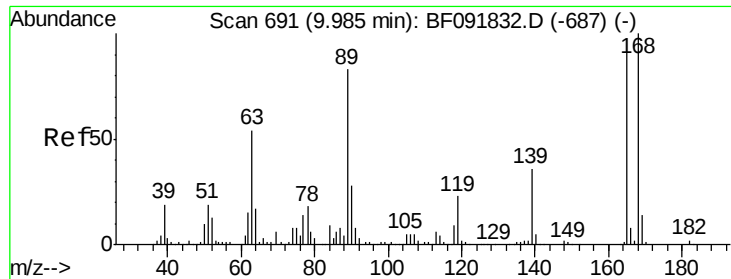


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

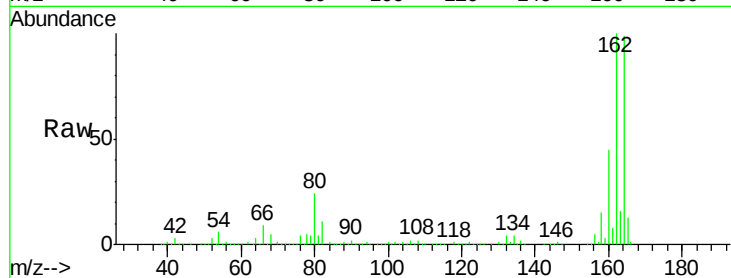




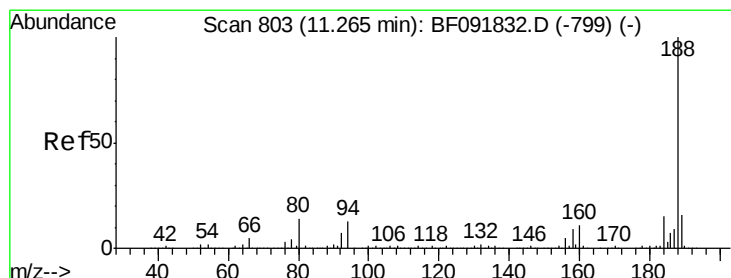
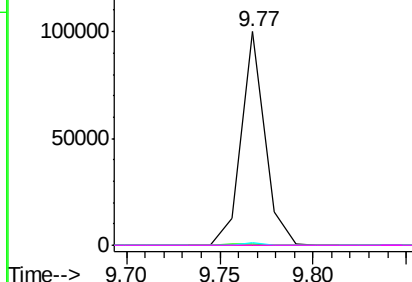
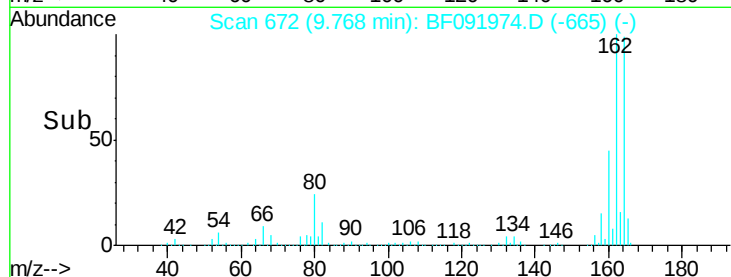
#56
 2,4-Dinitrotoluene
 Concen: 7.49 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.22 min
 Lab File: BF091974.D
 Acq: 27 Dec 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:165 Resp: 88240
 Ion Ratio Lower Upper
 165 100
 63 0.9 40.2 60.4#
 89 1.1 62.5 93.7#
 182 0.0 1.8 2.8#

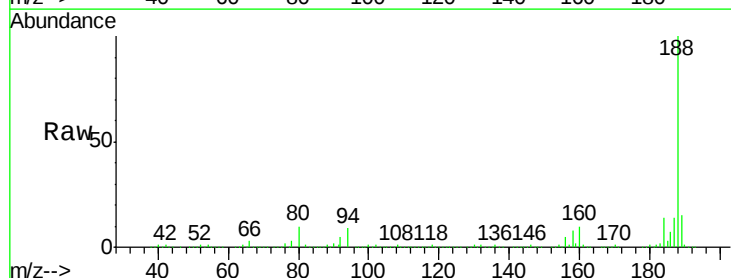


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

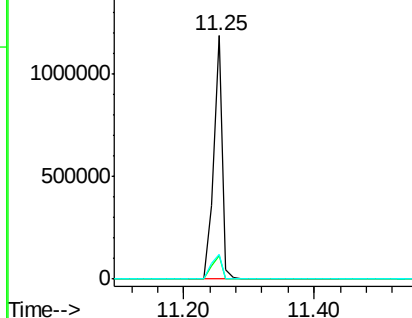
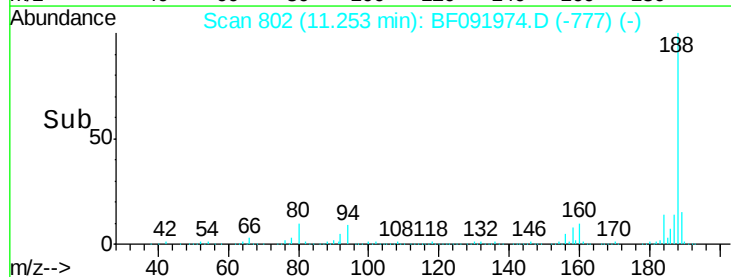


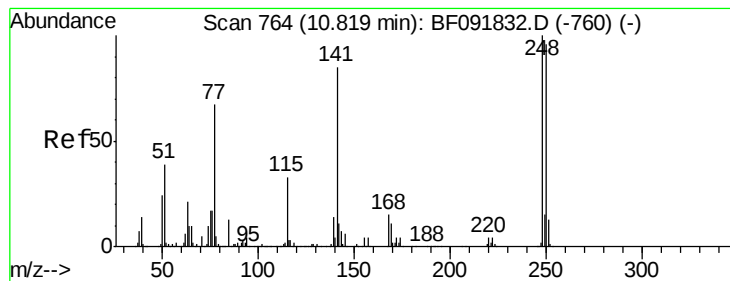
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091974.D
 Acq: 27 Dec 2016 18:15

Tgt Ion:188 Resp: 1112882
 Ion Ratio Lower Upper
 188 100
 94 9.4 10.0 15.0#
 80 10.0 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: 3.90 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.25 min

Lab File: BF091974.D

Acq: 27 Dec 2016 18:15

Instrument :

BNA_F

ClientSampleId :

MW-4

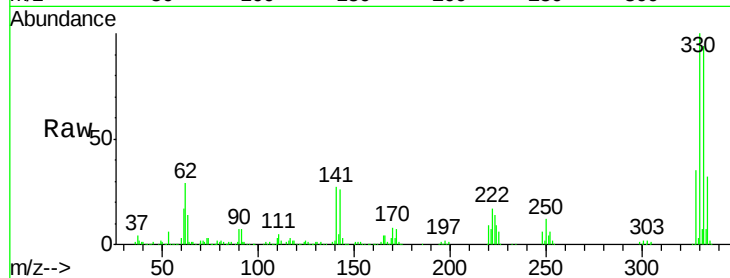
Tgt Ion:248 Resp: 45124

Ion Ratio Lower Upper

248 100

250 202.4 76.9 115.3#

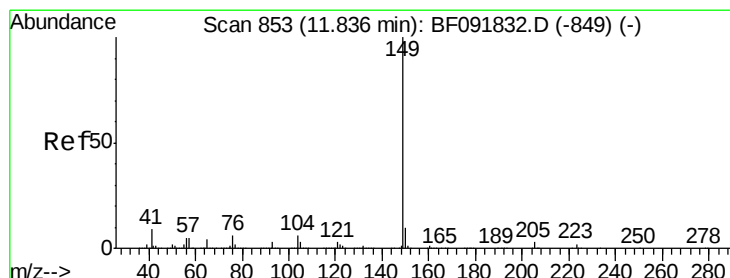
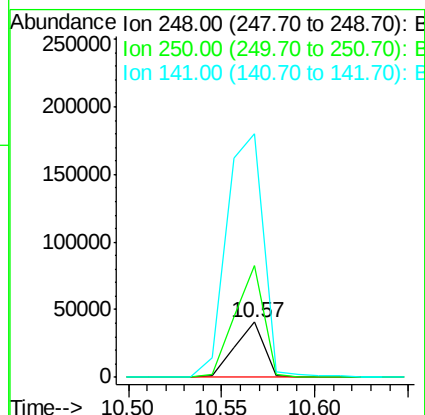
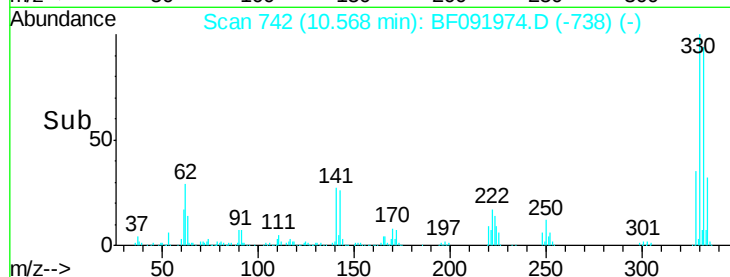
141 440.4 68.2 102.4#



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: BF091974.D

Acq: 27 Dec 2016 18:15

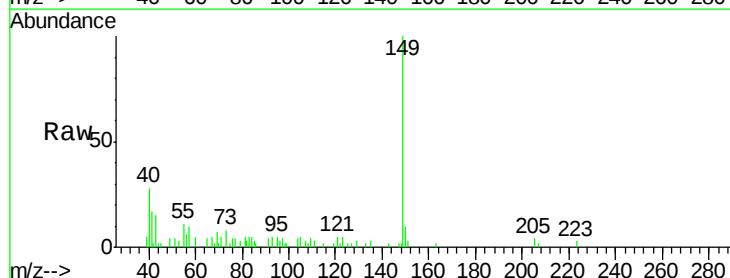
Tgt Ion:149 Resp: 18741

Ion Ratio Lower Upper

149 100

150 10.3 8.1 12.1

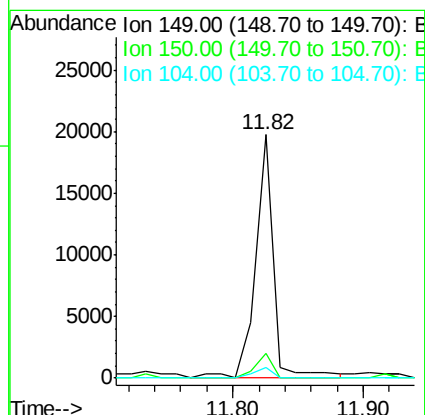
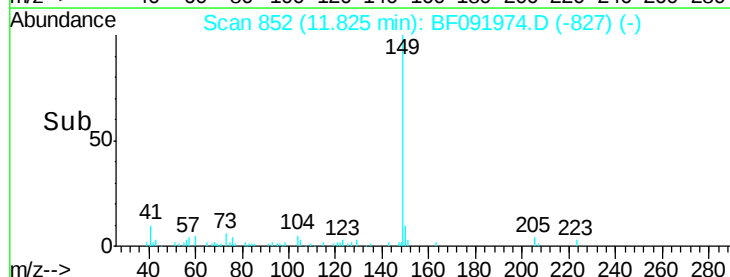
104 4.4 4.6 7.0#

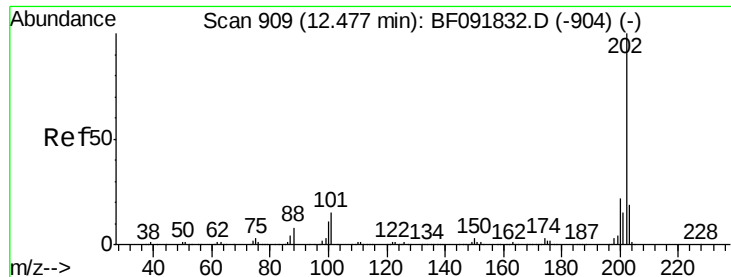


Abundance Ion 149.00 (148.70 to 149.70): E

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: BF091974.D

Acq: 27 Dec 2016 18:15

Instrument :

BNA_F

ClientSampled :

MW-4

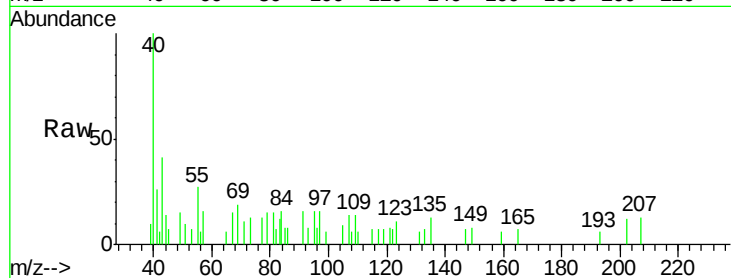
Tgt Ion: 202 Resp: 695

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

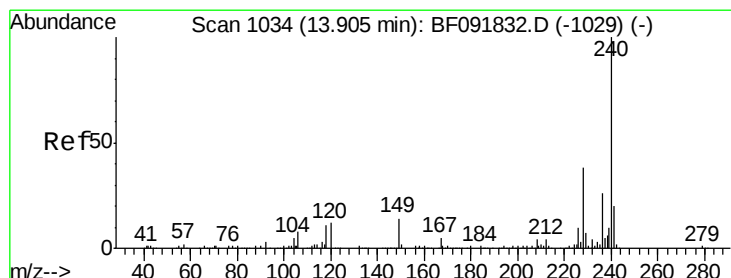
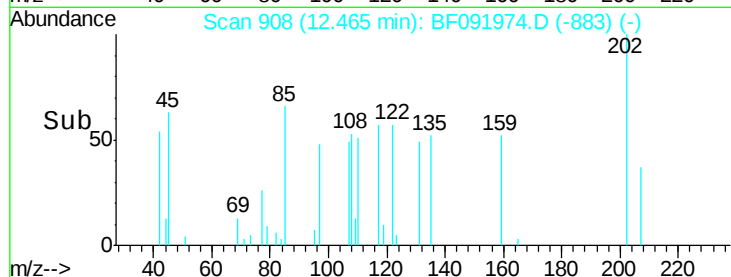
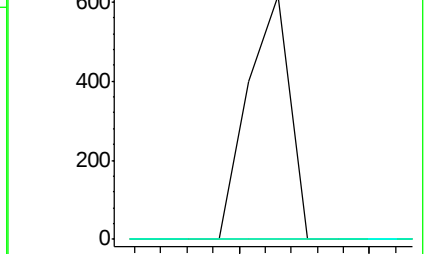
203 0.0 0.0 38.7



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: BF091974.D

Acq: 27 Dec 2016 18:15

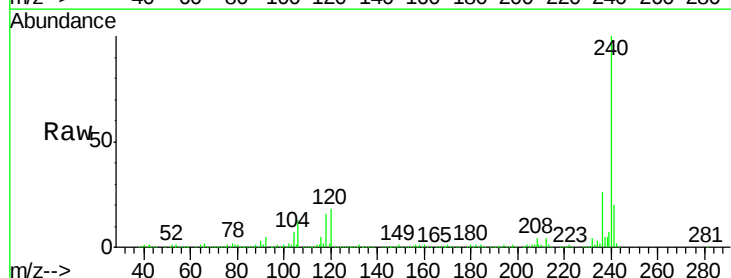
Tgt Ion: 240 Resp: 846397

Ion Ratio Lower Upper

240 100

120 18.3 12.9 19.3

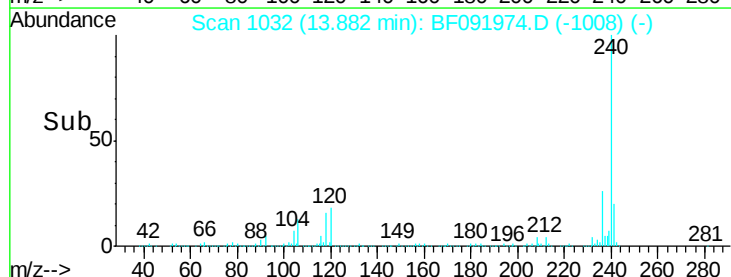
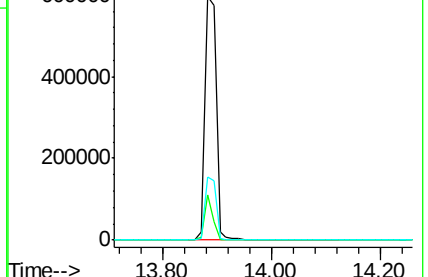
236 25.8 20.9 31.3

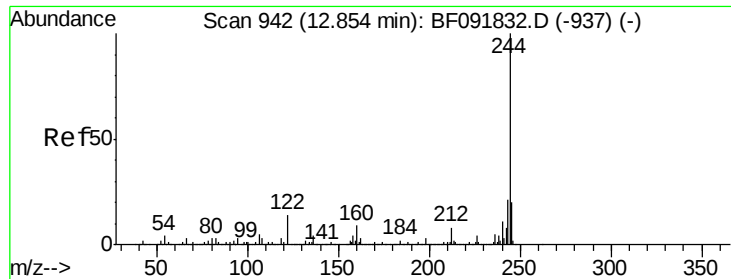


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

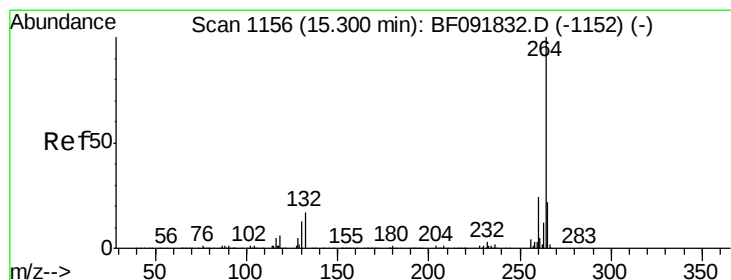
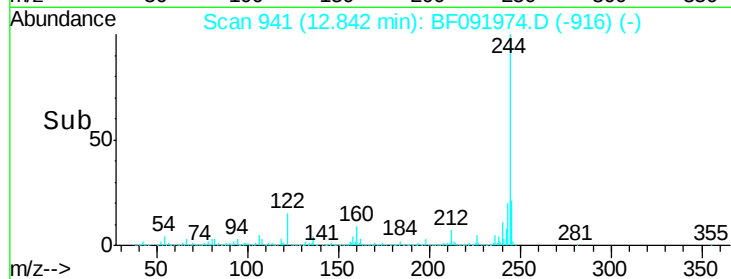
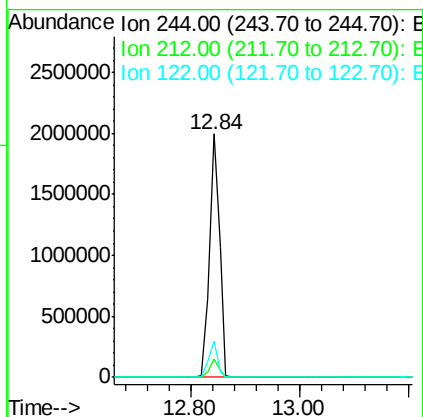
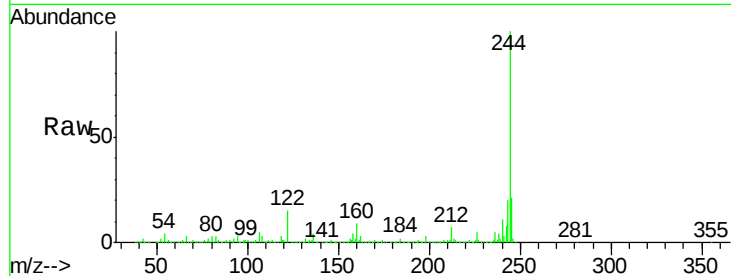




#78
 Terphenyl-d14
 Concen: 74.02 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF091974.D
 Acq: 27 Dec 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tgt Ion:244 Resp: 2583143
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 14.7 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF091974.D
 Acq: 27 Dec 2016 18:15

Tgt Ion:264 Resp: 657990
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 22.2 17.4 26.0

