

Data File : BF093273.D
Acq On : 1 Mar 2017 5:02
Operator : SJ/MA
Sample : I1972-07DL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-1DL

Quant Time: Mar 01 05:53:04 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	138527	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	542770	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	228939	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	353294	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	299537	20.00	ng	-0.05
86) Perylene-d12	15.40	264	236296	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	744835	92.25	ng	-0.03
7) Phenol-d6	6.46	99	954153	91.84	ng	-0.02
23) Nitrobenzene-d5	7.38	82	520381	53.39	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	134158	81.02	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	879074	69.56	ng	-0.05
78) Terphenyl-d14	12.92	244	613544	48.13	ng	-0.05

Target Compounds						Qvalue
10) Phenol	6.48	94	46461	3.82	ng	# 73
19) n-Nitroso-di-n-propylamine	7.38	70	67624	10.23	ng	# 84
25) Isophorone	7.38	82	481899	26.53	ng	# 65
31) Naphthalene	8.12	128	66079	2.40	ng	# 98
32) Benzoic acid	7.92	122	2301	7.58	ng	# 14
37) 2-Methylnaphthalene	8.81	142	49601	2.81	ng	# 96
48) Acenaphthylene	9.71	152	64980	2.90	ng	# 97
49) Dimethylphthalate	9.57	163	95121	6.17	ng	# 99
51) Acenaphthene	9.88	154	131901	9.85	ng	# 97
54) Dibenzofuran	10.05	168	202005	11.28	ng	# 93
55) 4-Nitrophenol	10.05	139	74157	27.02	ng	# 5
57) Fluorene	10.40	166	166013	12.04	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.64	198	251	2.78	ng	# 1
65) n-Nitrosodiphenylamine	10.48	169	25011	2.22	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9300	2.52	ng	# 1
70) Phenanthrene	11.36	178	1303975	64.42	ng	# 98
71) Anthracene	11.41	178	513564	25.27	ng	# 98
72) Carbazole	11.57	167	164750	8.48	ng	# 98
74) Fluoranthene	12.56	202	1292669	61.91	ng	# 92
77) Pyrene	12.78	202	1174789	52.41	ng	# 99
80) Benzo(a)anthracene	13.96	228	706664	38.57	ng	# 98
82) Chrysene	14.01	228	499265	29.11	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.80	276	111600	8.40	ng	# 92
87) Benzo(b)fluoranthene	15.00	252	605909	38.96	ng	# 98
88) Benzo(k)fluoranthene	15.00	252	605909	45.12	ng	# 98
89) Benzo(a)pyrene	15.35	252	323522	24.05	ng	# 99
90) Dibenzo(a,h)anthracene	16.96	278	41531	3.82	ng	# 94
91) Benzo(g,h,i)perylene	17.22	276	98015	8.92	ng	# 94

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

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E2B21-WESTSW-1DL

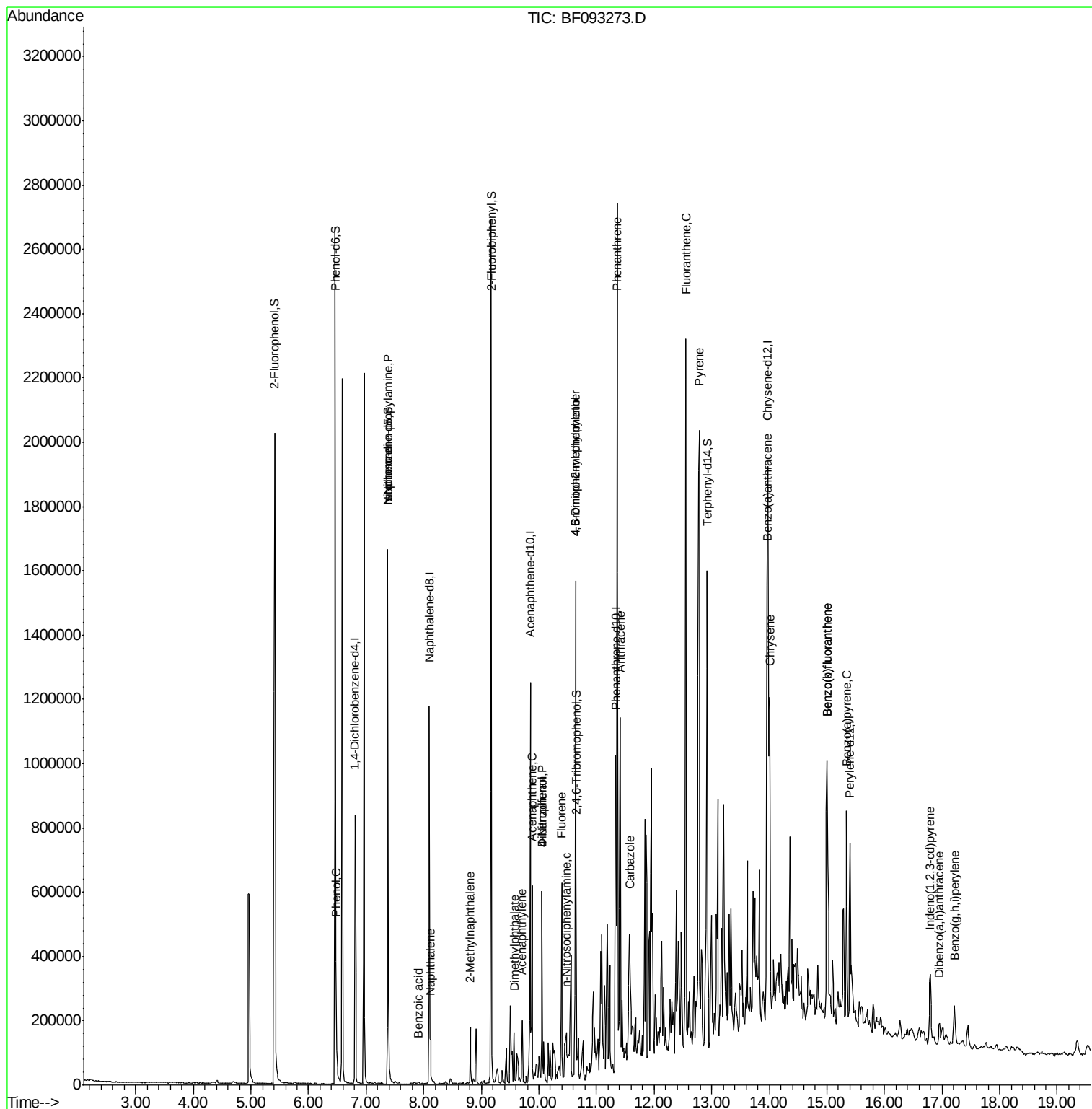
Quant Time: Mar 01 05:53:04 2017

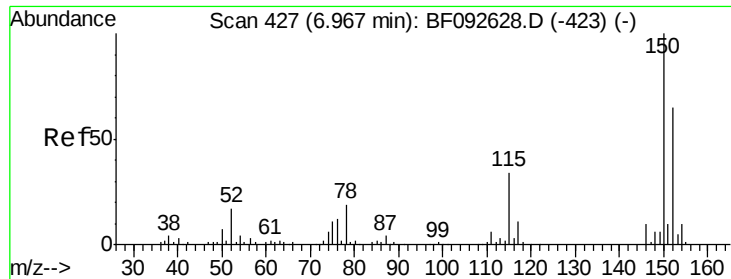
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

Instrument :

BNA_F

ClientSampleId :

E2B21-WESTSW-1DL

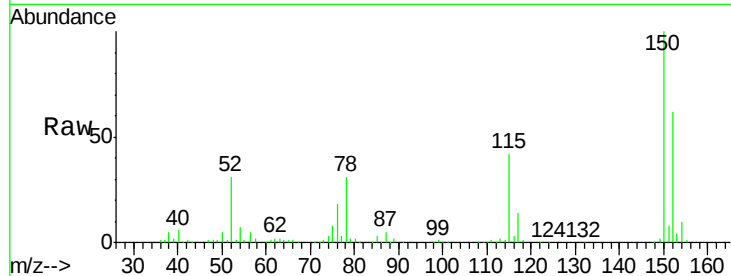
Tgt Ion:152 Resp: 138527

Ion Ratio Lower Upper

152 100

150 160.2 124.9 187.3

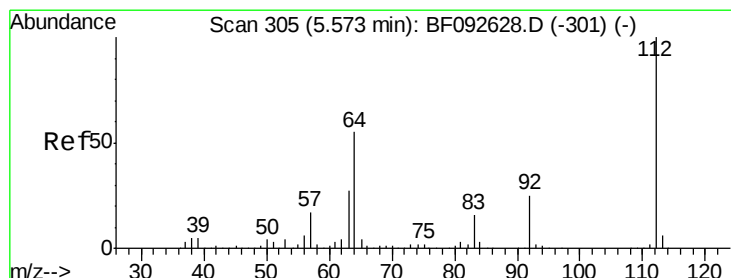
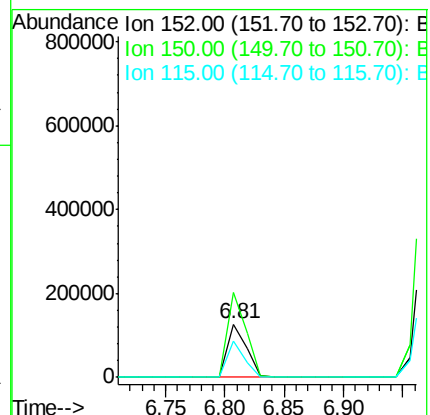
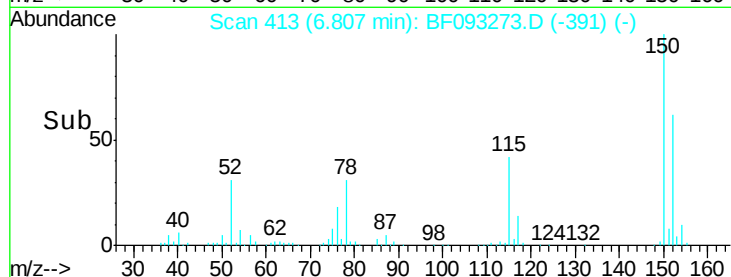
115 67.0 46.0 69.0



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



#5

2-Fluorophenol

Concen: 92.25 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

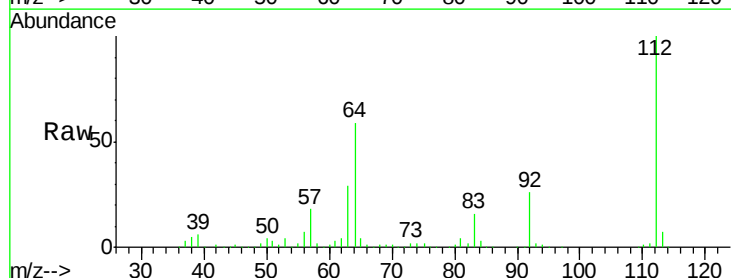
Tgt Ion:112 Resp: 744835

Ion Ratio Lower Upper

112 100

64 58.7 46.1 69.1

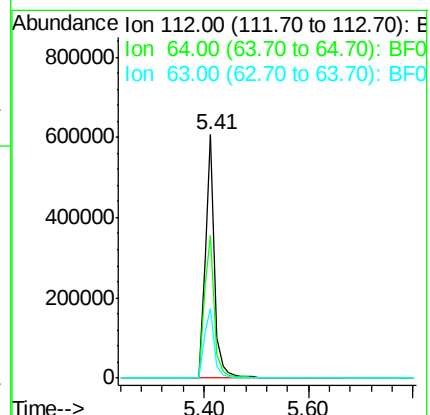
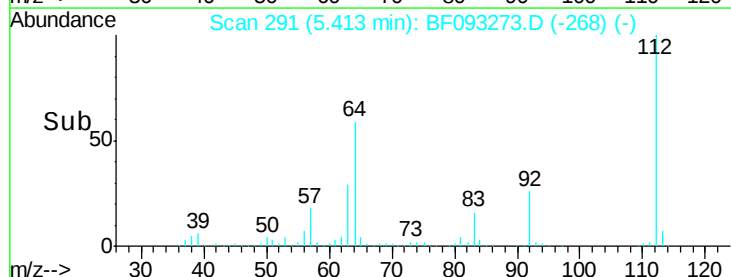
63 28.8 23.8 35.6



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: 91.84 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

Instrument :

BNA_F

ClientSampleId :

E2B21-WESTSW-1DL

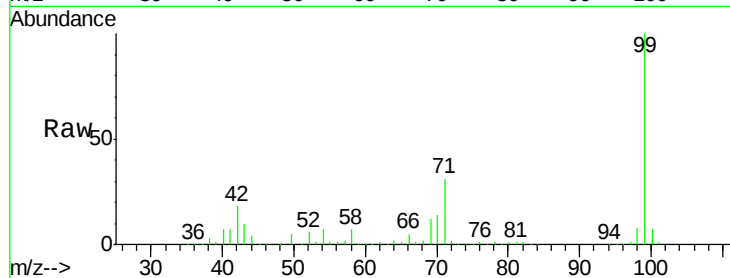
Tgt Ion: 99 Resp: 954153

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

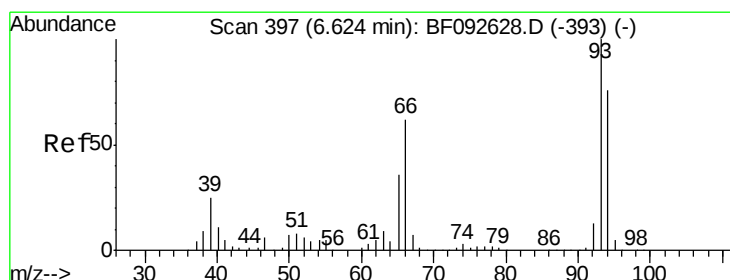
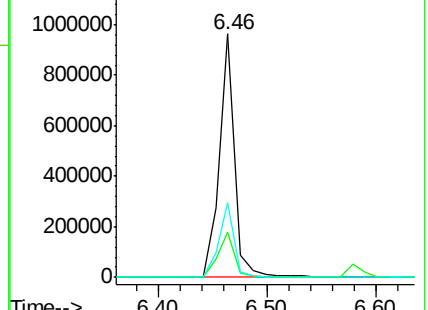
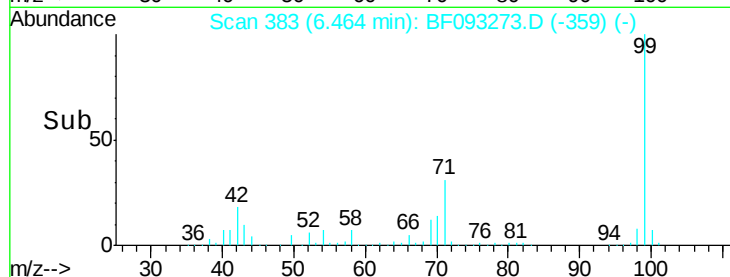
71 30.8 27.5 41.3



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



#10

Phenol

Concen: 3.82 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

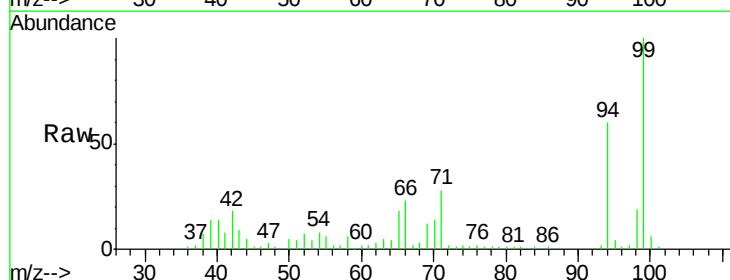
Tgt Ion: 94 Resp: 46461

Ion Ratio Lower Upper

94 100

65 30.0 21.4 61.4

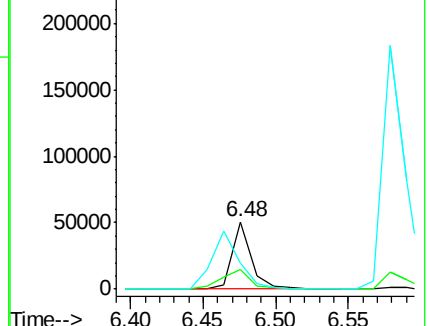
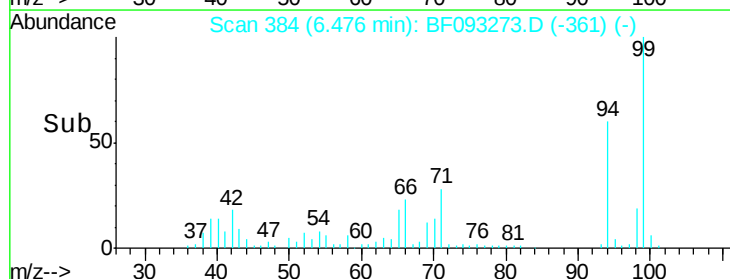
66 39.0 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

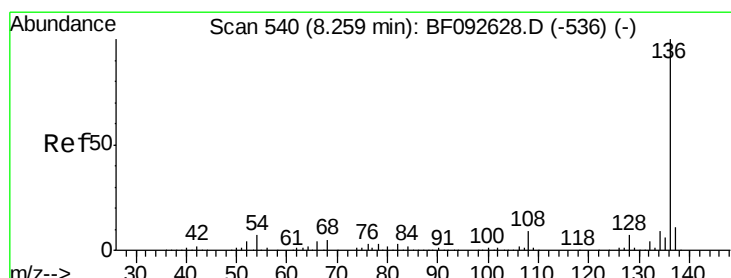
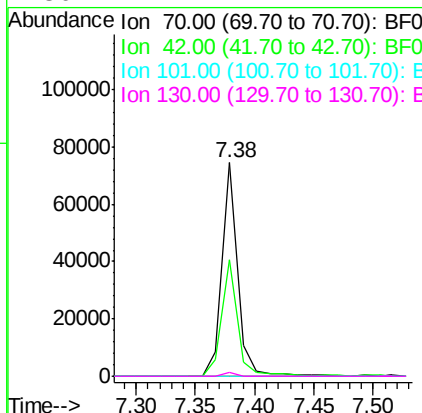
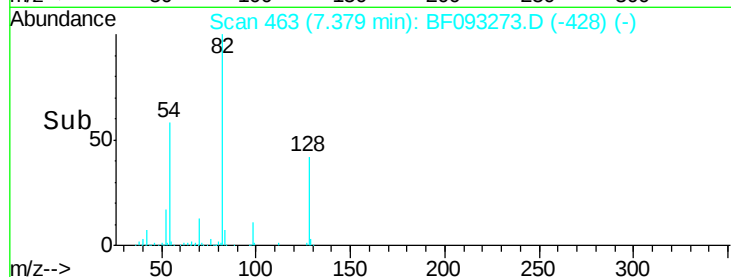
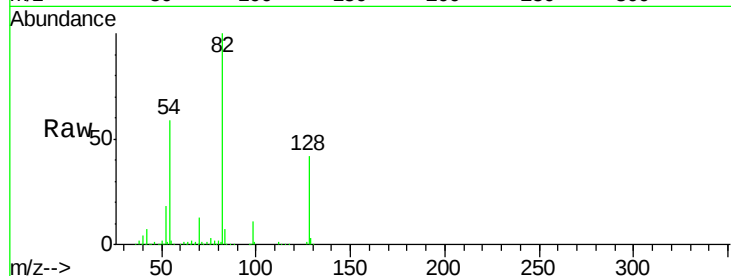




#19
n-Nitroso-di-n-propylamine
Concen: 10.23 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.10 min
Lab File: BF093273.D
Acq: 1 Mar 2017 5:02

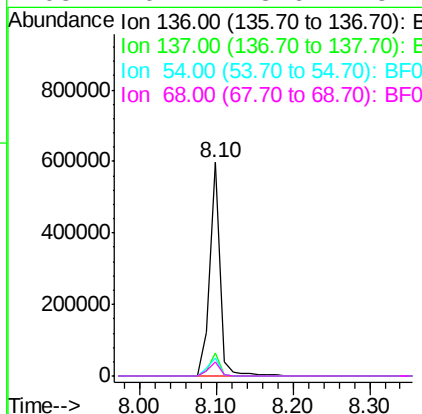
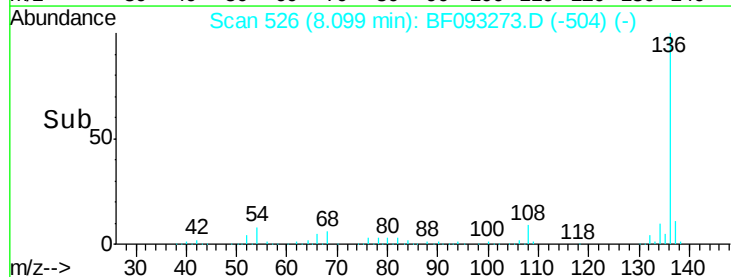
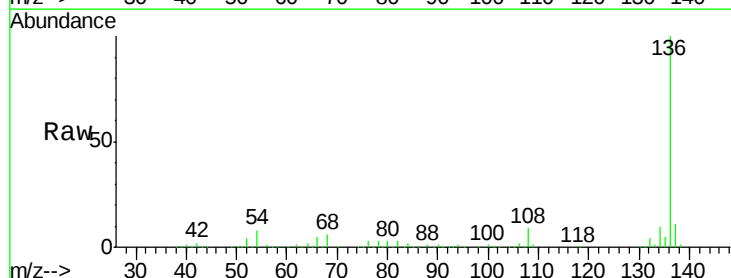
Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-1DL

Tgt Ion: 70 Resp: 67624
Ion Ratio Lower Upper
70 100
42 54.4 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: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093273.D
Acq: 1 Mar 2017 5:02

Tgt Ion: 136 Resp: 542770
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.5 4.5 6.7#
68 6.4 3.6 5.4#

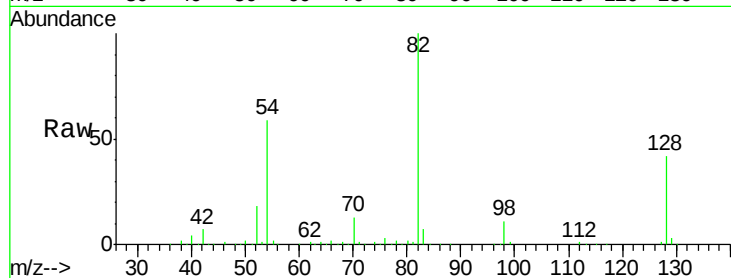




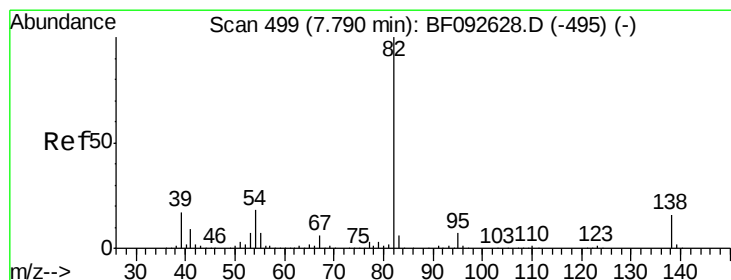
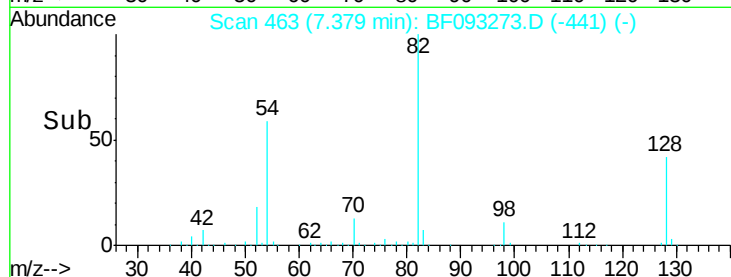
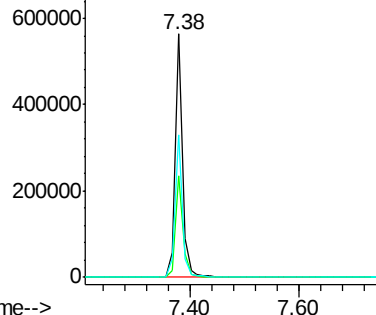
#23
 Nitrobenzene-d5
 Concen: 53.39 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093273.D
 Acq: 1 Mar 2017 5:02

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-1DL

Tgt Ion: 82 Resp: 520381
 Ion Ratio Lower Upper
 82 100
 128 41.9 34.6 52.0
 54 58.7 39.5 59.3

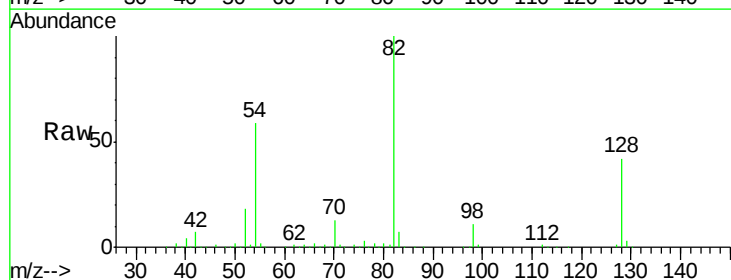


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

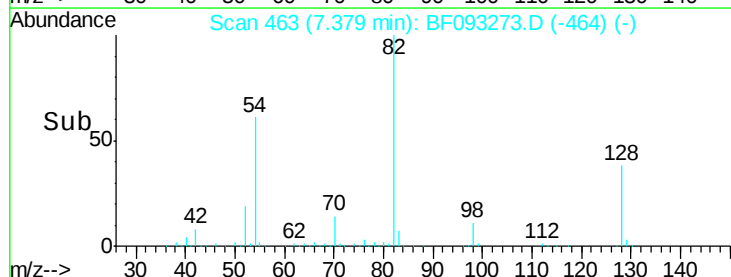
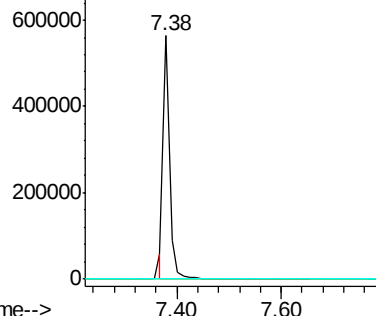


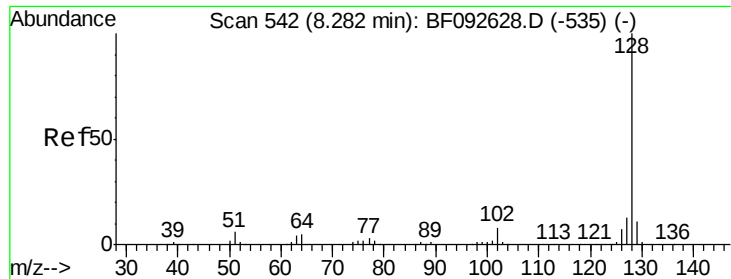
#25
 Isophorone
 Concen: 26.53 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.31 min
 Lab File: BF093273.D
 Acq: 1 Mar 2017 5:02

Tgt Ion: 82 Resp: 481899
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

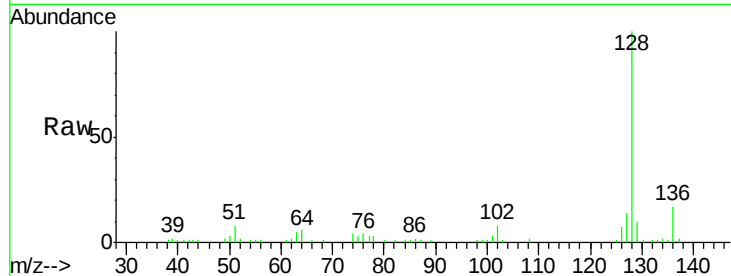




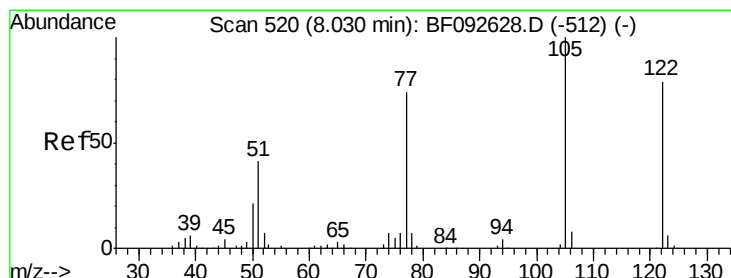
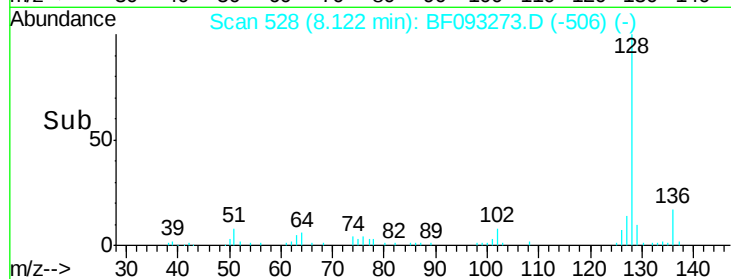
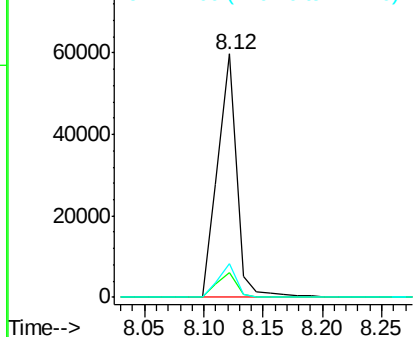
#31
Naphthalene
Concen: 2.40 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF093273.D
Acq: 1 Mar 2017 5:02

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-1DL

Tgt Ion:128 Resp: 66079
Ion Ratio Lower Upper
128 100
129 10.4 9.5 14.3
127 13.6 10.8 16.2

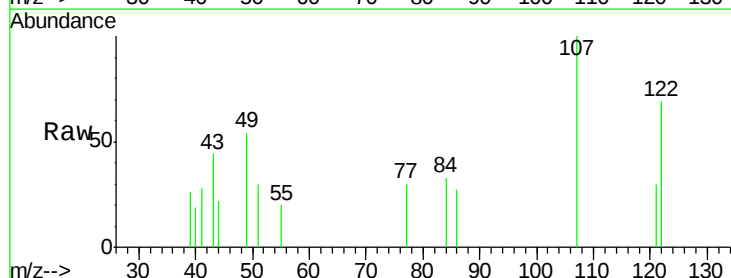


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

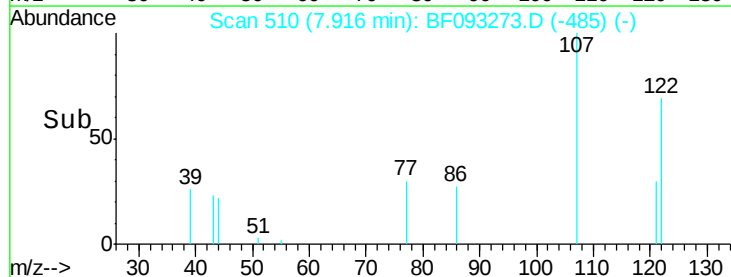
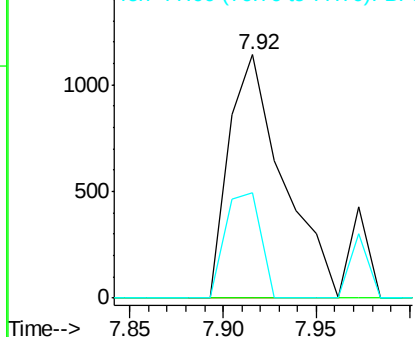


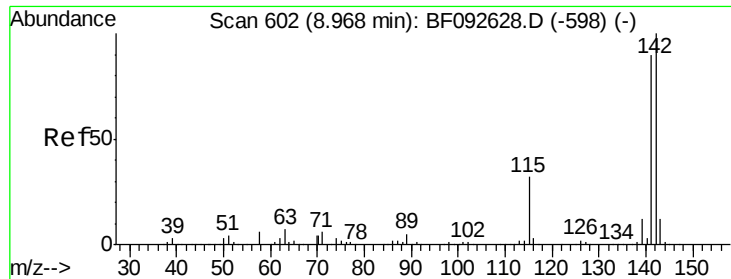
#32
Benzoic acid
Concen: 7.58 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093273.D
Acq: 1 Mar 2017 5:02

Tgt Ion:122 Resp: 2301
Ion Ratio Lower Upper
122 100
105 0.0 107.2 147.2#
77 43.0 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

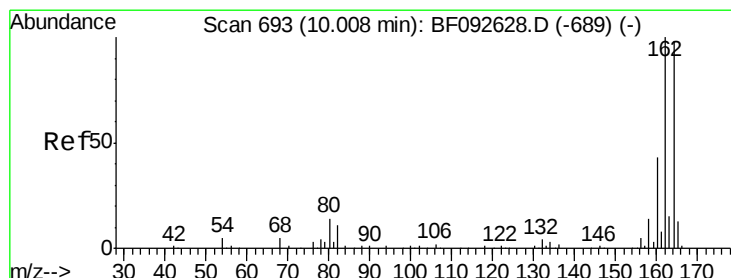
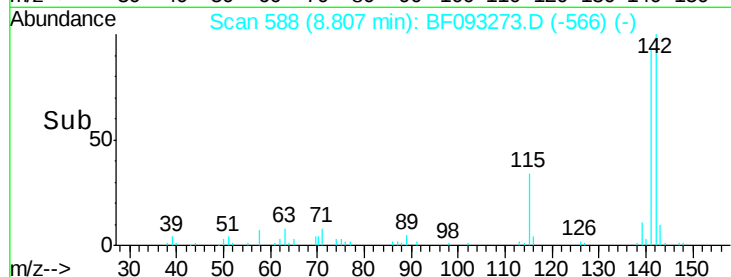
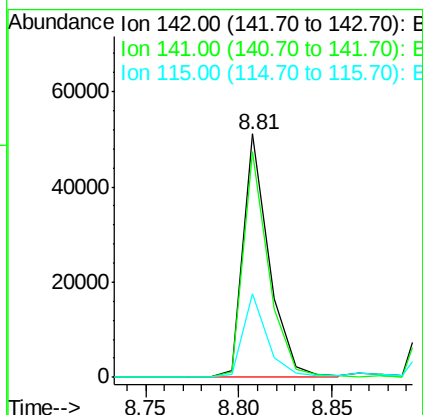
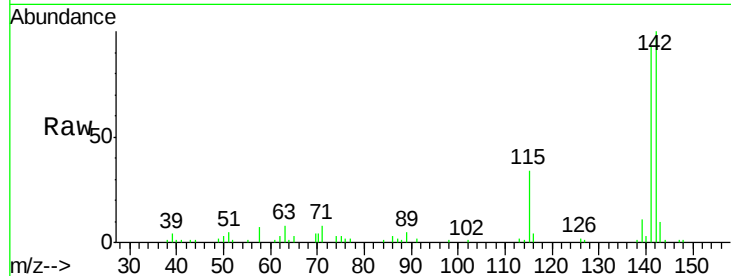




#37
 2-Methylnaphthalene
 Concen: 2.81 ng
 RT: 8.81 min Scan# 588
 Delta R.T. -0.05 min
 Lab File: BF093273.D
 Acq: 1 Mar 2017 5:02

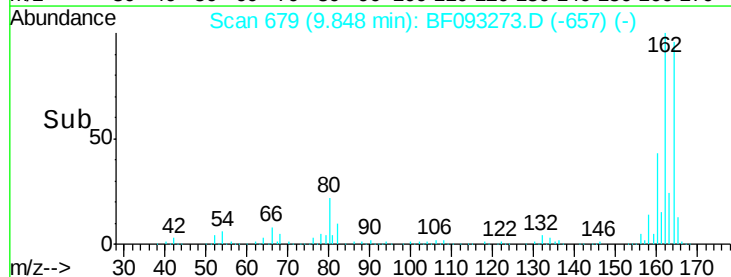
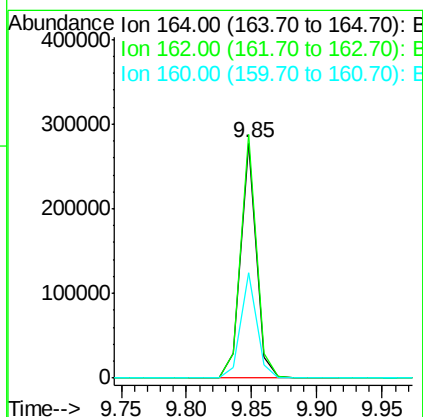
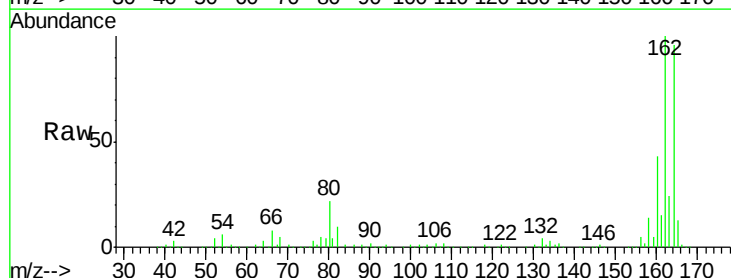
Instrument :
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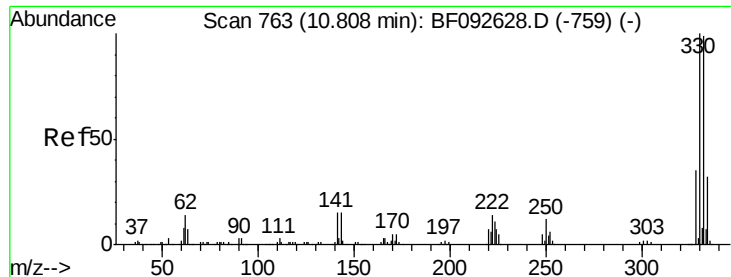
Tgt Ion:142 Resp: 49601
 Ion Ratio Lower Upper
 142 100
 141 92.9 71.0 106.6
 115 34.4 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093273.D
 Acq: 1 Mar 2017 5:02

Tgt Ion:164 Resp: 228939
 Ion Ratio Lower Upper
 164 100
 162 103.7 80.2 120.2
 160 45.1 36.9 55.3

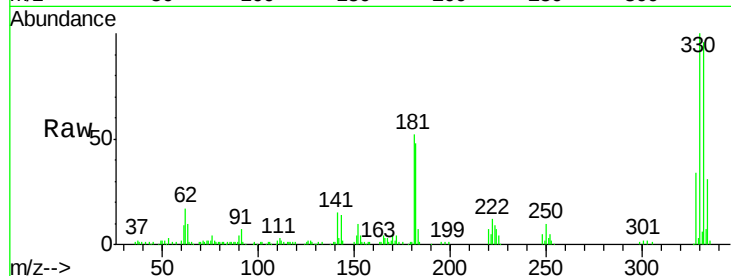




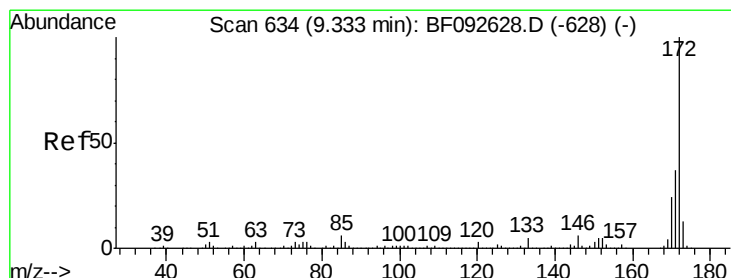
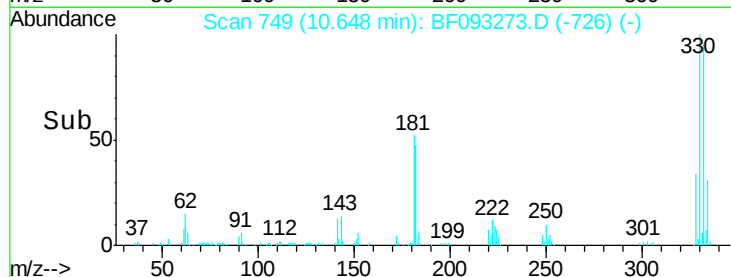
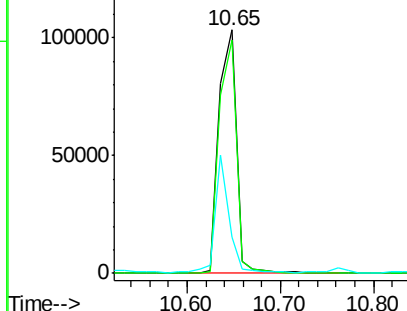
#41
 2,4,6-Tribromophenol
 Concen: 81.02 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093273.D
 Acq: 1 Mar 2017 5:02

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-1DL

Tgt Ion:330 Resp: 134158
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.4 116.2
 141 38.1 34.1 51.1

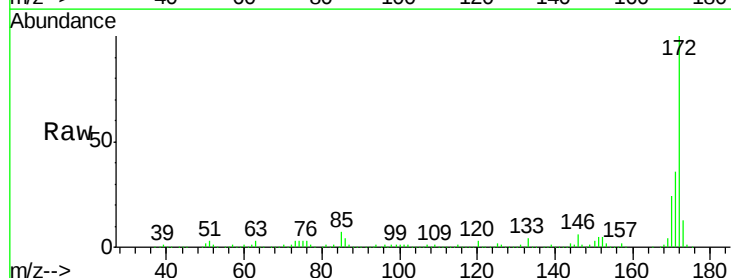


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

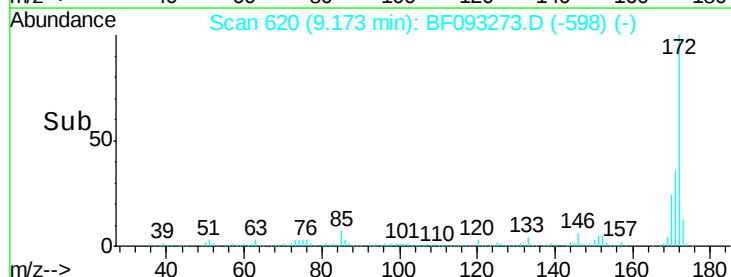
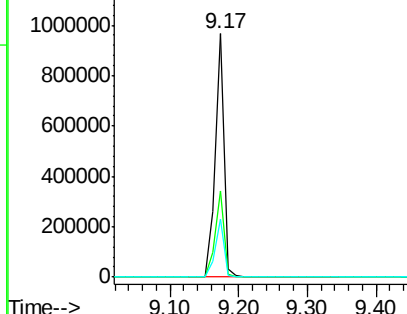


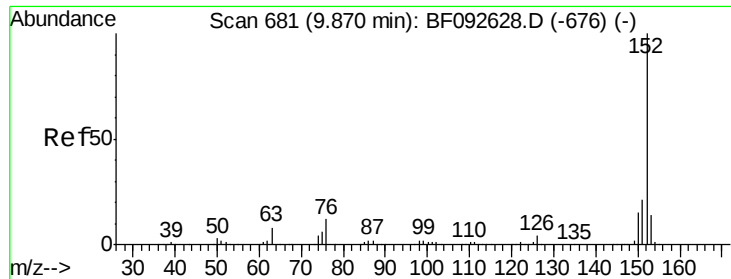
#44
 2-Fluorobiphenyl
 Concen: 69.56 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093273.D
 Acq: 1 Mar 2017 5:02

Tgt Ion:172 Resp: 879074
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 23.9 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

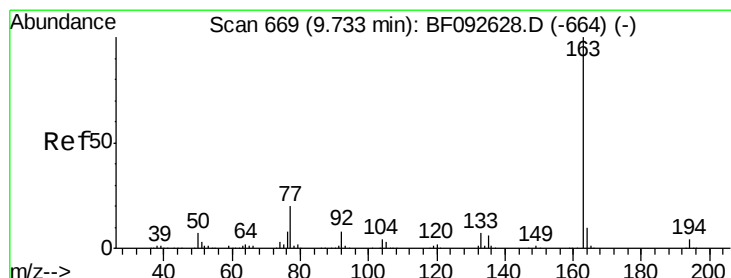
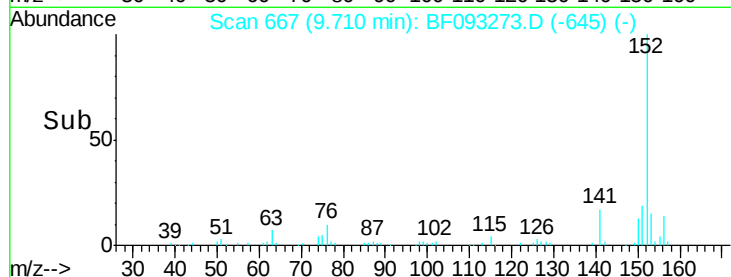
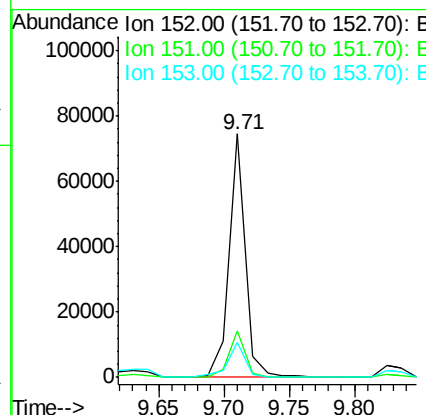
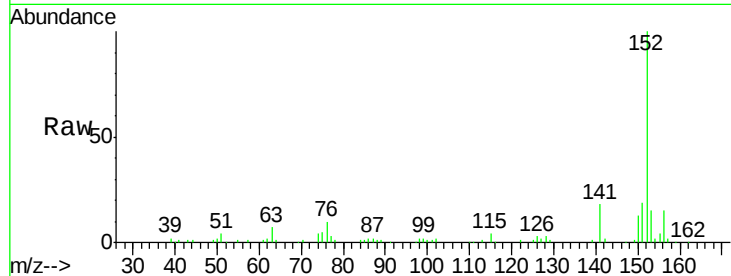




#48
Acenaphthylene
Concen: 2.90 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093273.D
Acq: 1 Mar 2017 5:02

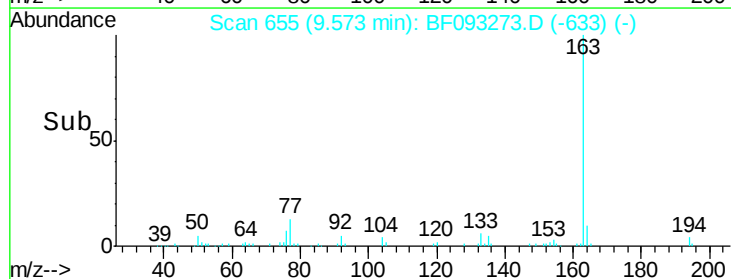
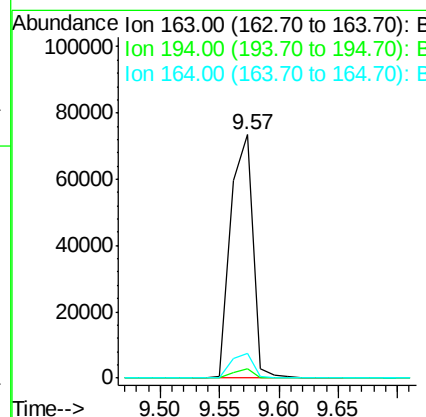
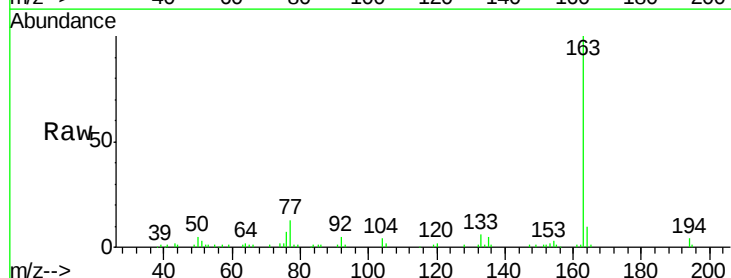
Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-1DL

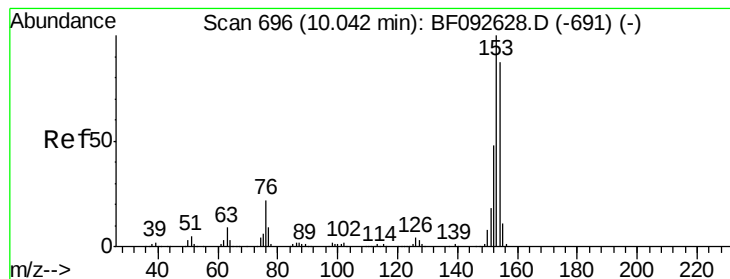
Tgt Ion:152 Resp: 64980
Ion Ratio Lower Upper
152 100
151 18.9 16.9 25.3
153 14.6 11.4 17.2



#49
Dimethylphthalate
Concen: 6.17 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093273.D
Acq: 1 Mar 2017 5:02

Tgt Ion:163 Resp: 95121
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.4 8.0 12.0





#51

Acenaphthene

Concen: 9.85 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

Instrument :

BNA_F

ClientSampleId :

E2B21-WESTSW-1DL

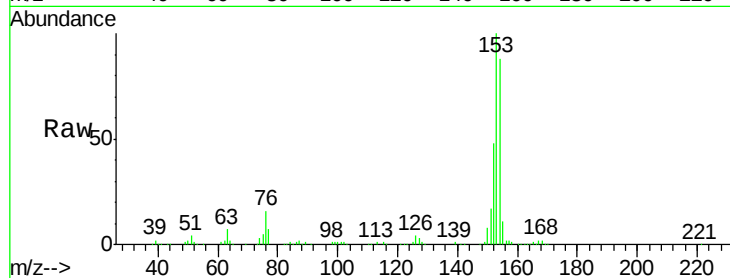
Tgt Ion:154 Resp: 131901

Ion Ratio Lower Upper

154 100

153 114.1 88.6 133.0

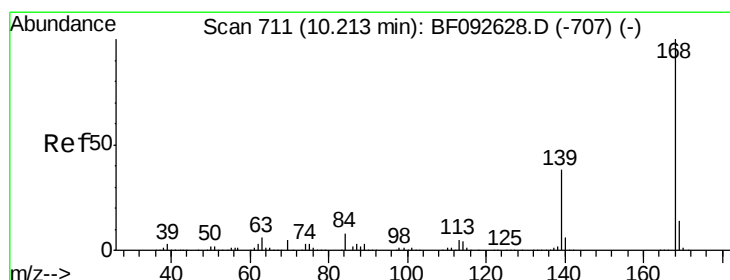
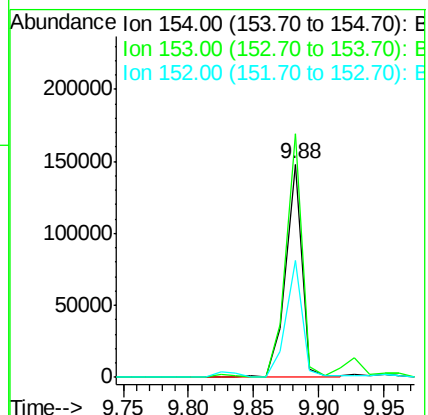
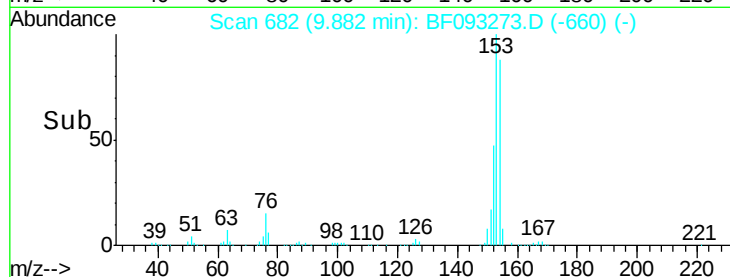
152 54.7 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 11.28 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

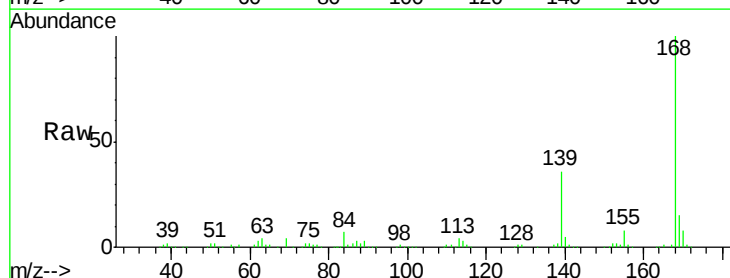
Tgt Ion:168 Resp: 202005

Ion Ratio Lower Upper

168 100

139 35.6 32.6 49.0

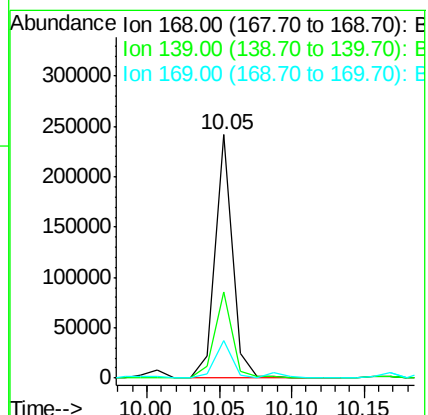
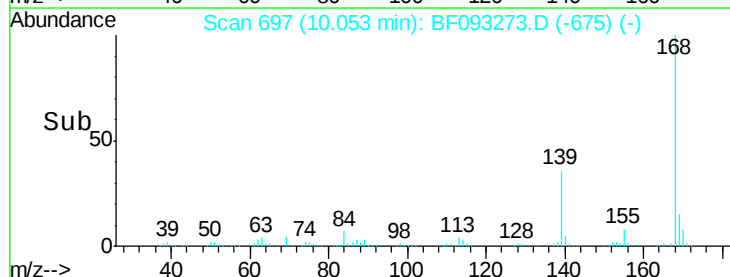
169 15.4 11.3 16.9

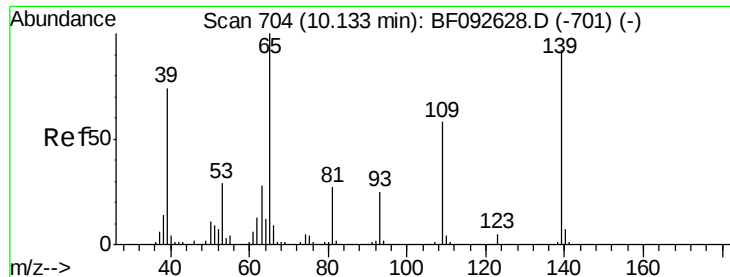


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 27.02 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.03 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

Instrument :

BNA_F

ClientSampleId :

E2B21-WESTSW-1DL

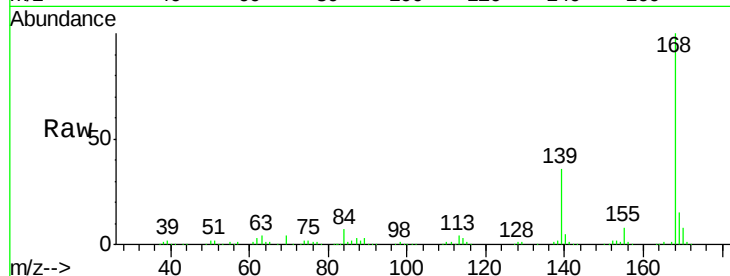
Tgt Ion:139 Resp: 74157

Ion Ratio Lower Upper

139 100

109 1.0 52.2 92.2#

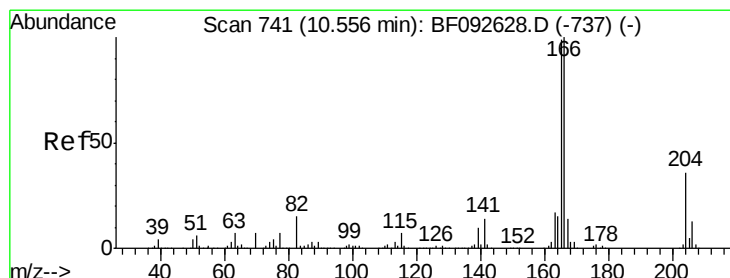
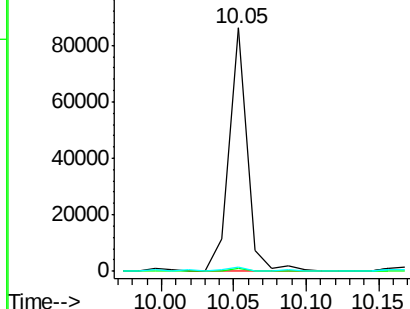
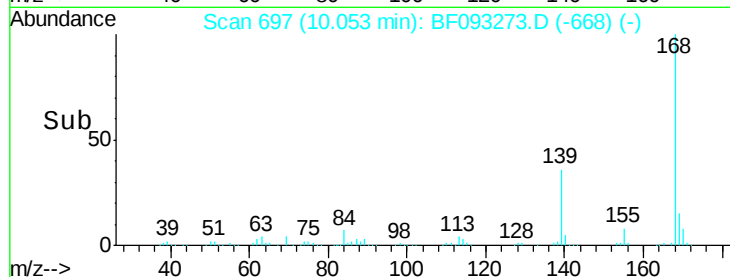
65 1.6 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 12.04 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

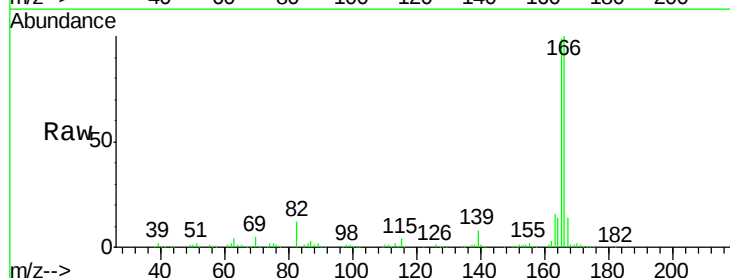
Tgt Ion:166 Resp: 166013

Ion Ratio Lower Upper

166 100

165 99.2 77.8 116.8

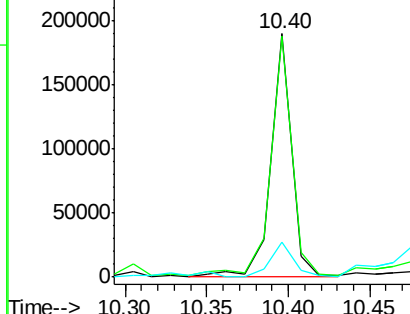
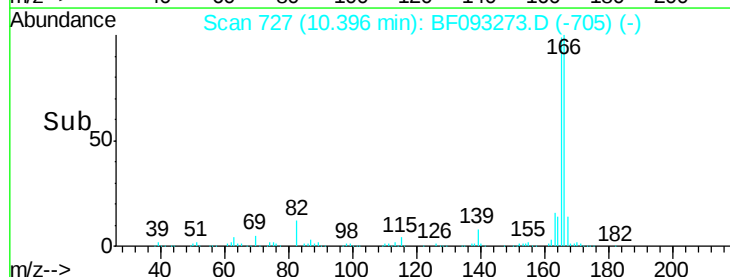
167 14.3 10.8 16.2

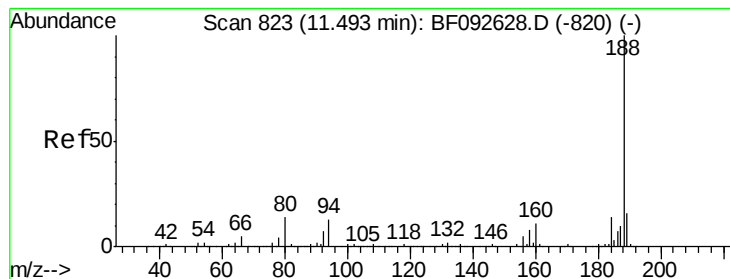


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

Instrument :

BNA_F

ClientSampleId :

E2B21-WESTSW-1DL

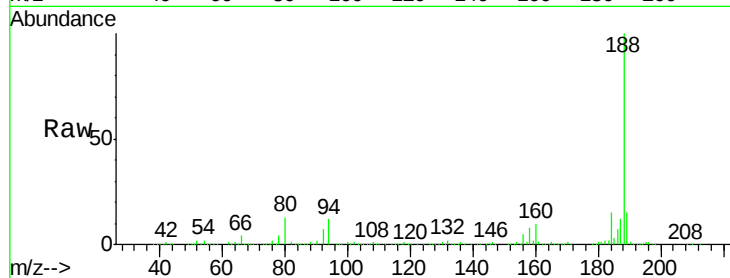
Tgt Ion:188 Resp: 353294

Ion Ratio Lower Upper

188 100

94 12.2 10.0 15.0

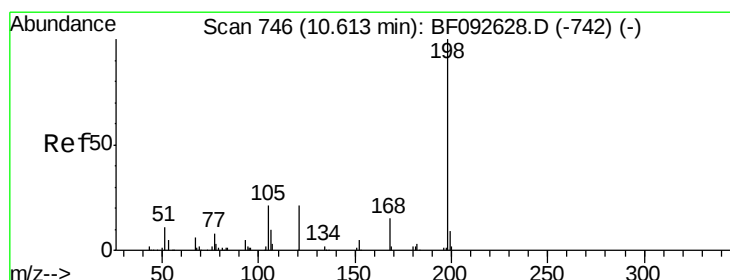
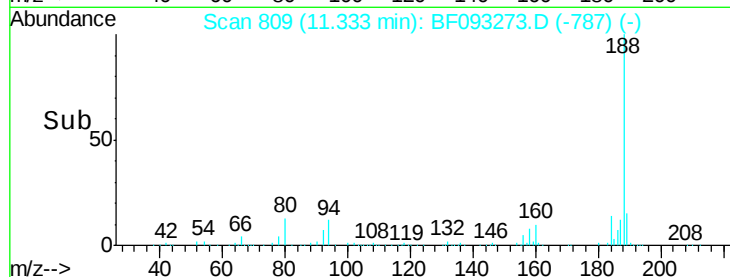
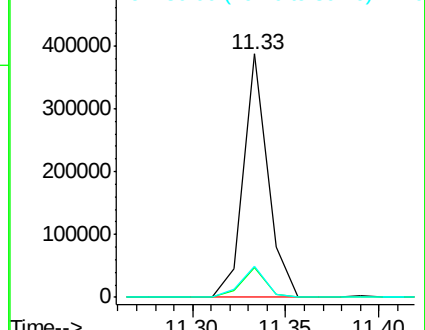
80 12.6 11.2 16.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.78 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093273.D

Acq: 1 Mar 2017 5:02

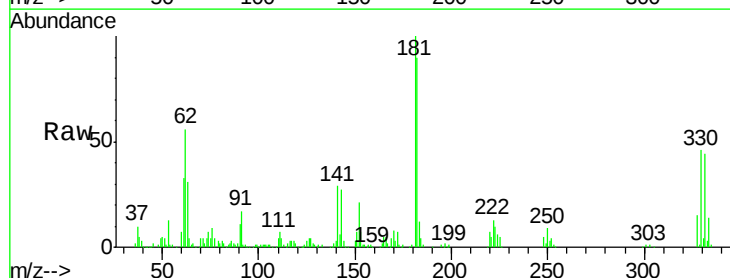
Tgt Ion:198 Resp: 251

Ion Ratio Lower Upper

198 100

51 2095.6 6.7 46.7#

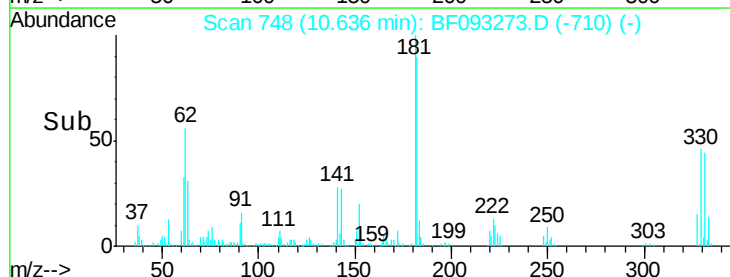
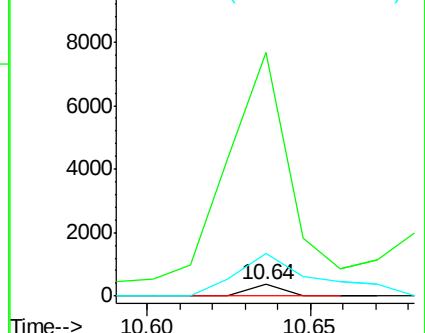
105 362.6 16.6 56.6#

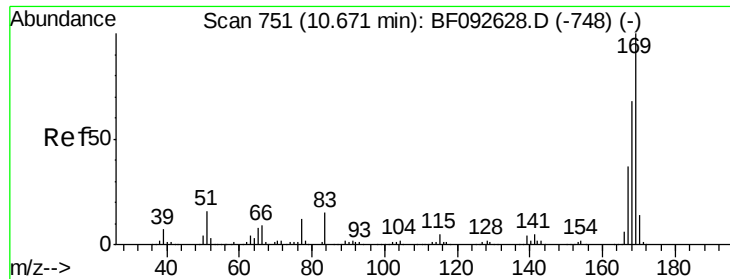


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

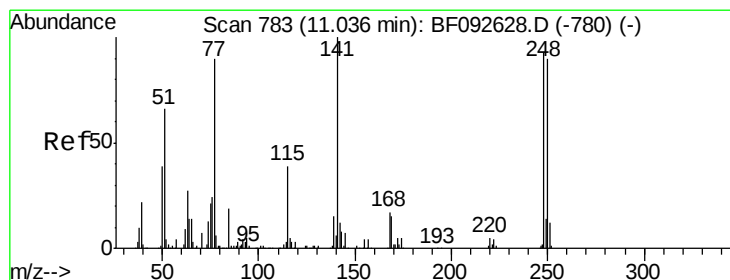
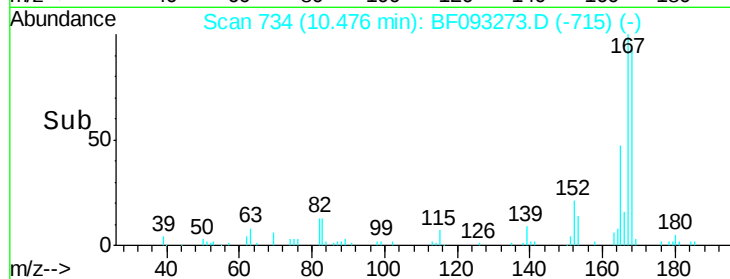
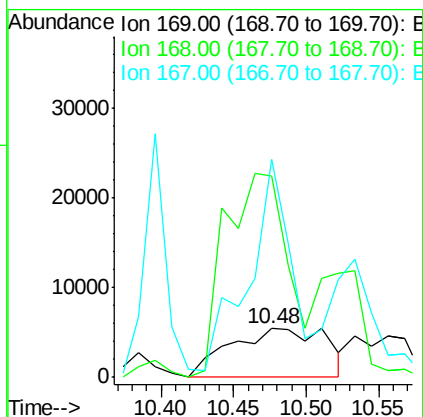
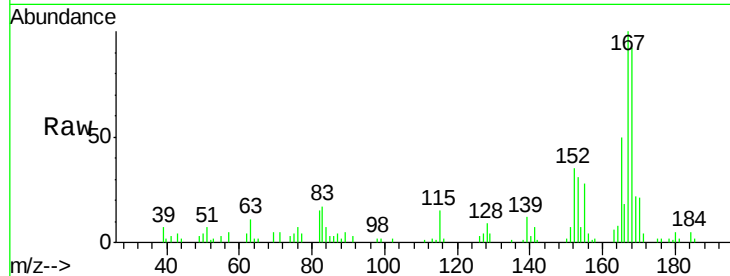




#65
 n-Nitrosodiphenylamine
 Concen: 2.22 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.08 min
 Lab File: BF093273.D
 Acq: 1 Mar 2017 5:02

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-1DL

Tgt Ion:169 Resp: 25011
 Ion Ratio Lower Upper
 169 100
 168 410.3 54.2 81.2#
 167 446.1 30.2 45.4#



#66
 4-Bromophenyl-phenylether
 Concen: 2.52 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.29 min
 Lab File: BF093273.D
 Acq: 1 Mar 2017 5:02

Tgt Ion:248 Resp: 9300
 Ion Ratio Lower Upper
 248 100
 250 197.9 76.9 115.3#
 141 621.8 68.2 102.4#

