

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
 Data File : BF090095.D
 Acq On : 15 Sep 2016 16:51
 Operator : UM/SJ
 Sample : H4780-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WM-184-SW

Quant Time: Sep 16 00:51:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 11:18:43 2016
 Response via : Initial Calibration

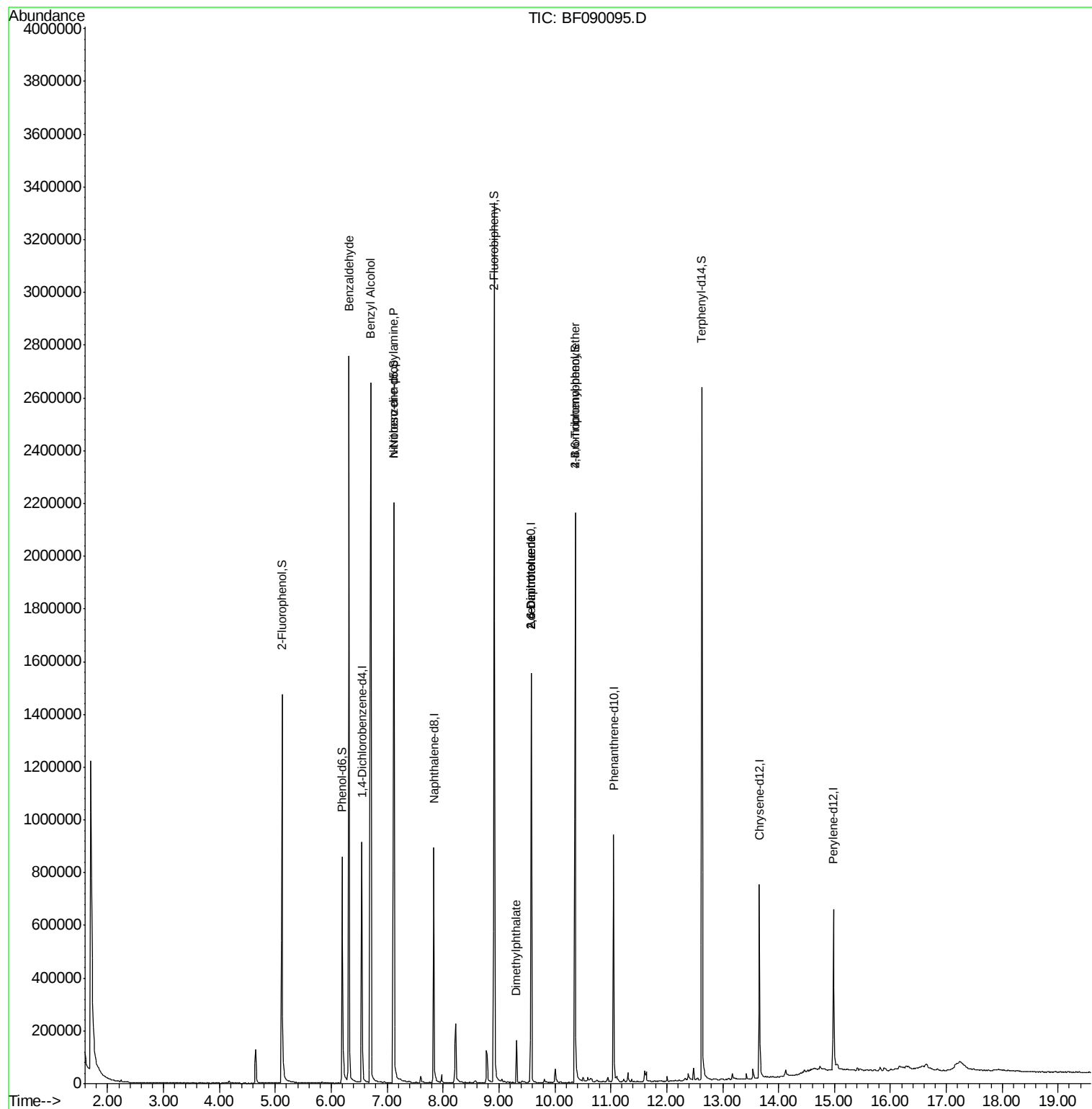
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	148448	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	595029	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	316736	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	503290	20.00	ng	0.00
75) Chrysene-d12	13.66	240	317591	20.00	ng	-0.01
86) Perylene-d12	14.98	264	296437	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	574478	62.24	ng	0.00
7) Phenol-d6	6.19	99	517730	42.84	ng	-0.01
23) Nitrobenzene-d5	7.12	82	916358	86.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	315898	99.29	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1439831	71.39	ng	-0.01
78) Terphenyl-d14	12.63	244	962954	72.00	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.32	77	20209	3.14	ng	# 81
15) Benzyl Alcohol	6.71	79	13991	2.06	ng	# 45
19) n-Nitroso-di-n-propylamine	7.12	70	114297	15.22	ng	# 79
49) Dimethylphthalate	9.31	163	66346	2.82	ng	99
50) 2,6-Dinitrotoluene	9.58	165	40929	7.79	ng	# 20
56) 2,4-Dinitrotoluene	9.58	165	40930	6.39	ng	# 15
66) 4-Bromophenyl-phenylether	10.36	248	18947	3.91	ng	# 1

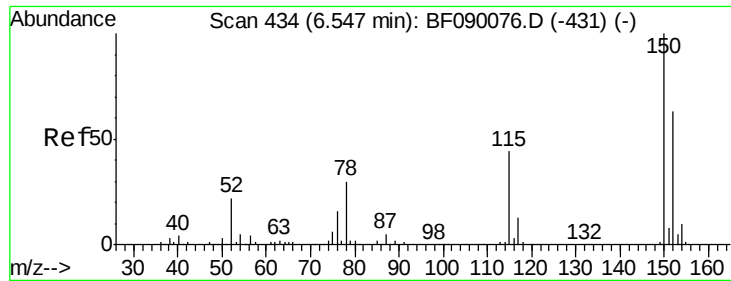
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Instrument :

BNA_F

ClientSampleId :

WM-184-SW

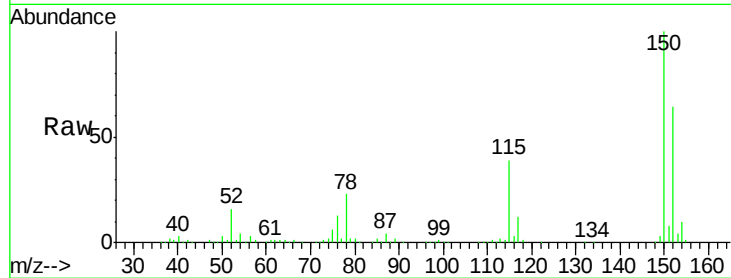
Tgt Ion:152 Resp: 148448

Ion Ratio Lower Upper

152 100

150 155.9 128.9 193.3

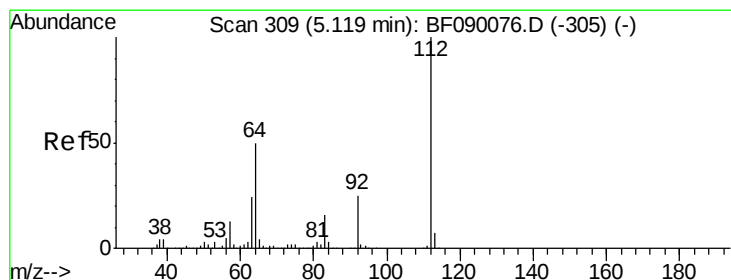
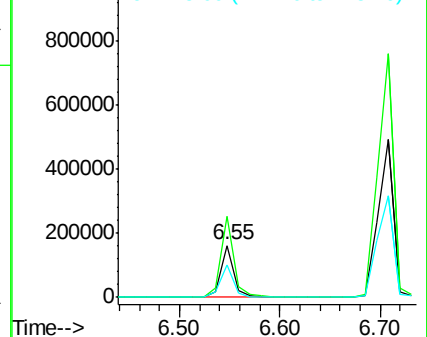
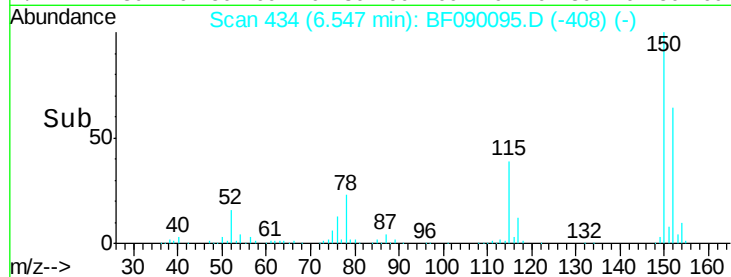
115 61.5 55.5 83.3



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: 62.24 ng

RT: 5.12 min Scan# 309

Delta R.T. 0.00 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

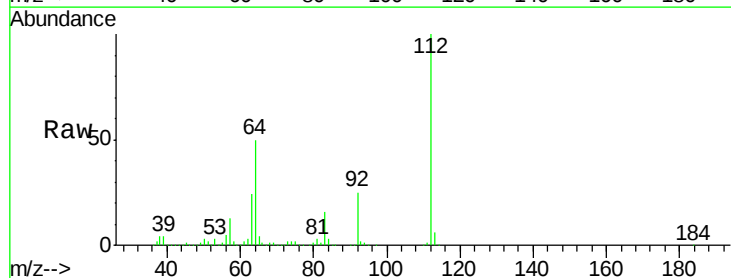
Tgt Ion:112 Resp: 574478

Ion Ratio Lower Upper

112 100

64 50.5 39.8 59.6

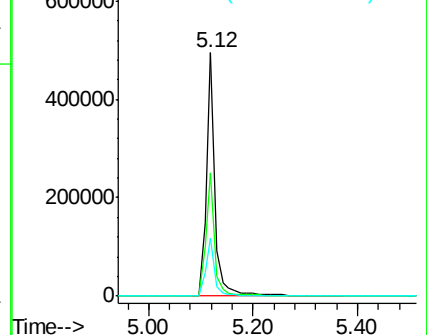
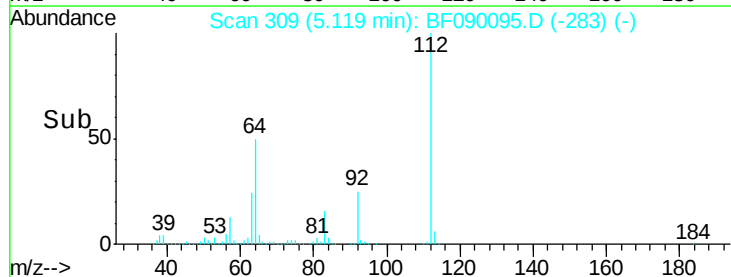
63 24.1 18.9 28.3

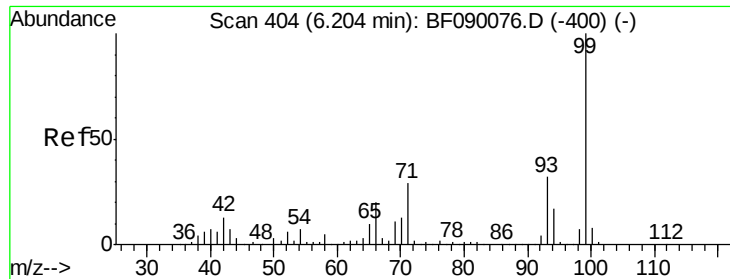


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.84 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Instrument :

BNA_F

ClientSampleId :

WM-184-SW

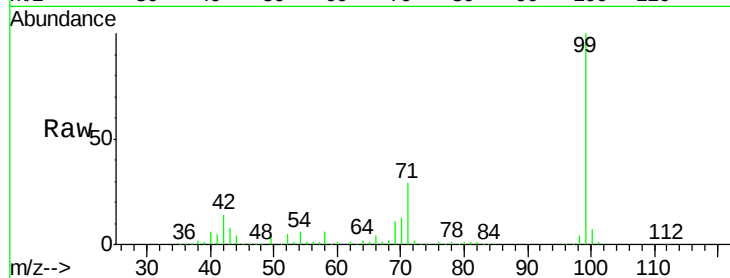
Tgt Ion: 99 Resp: 517730

Ion Ratio Lower Upper

99 100

42 14.2 10.6 15.8

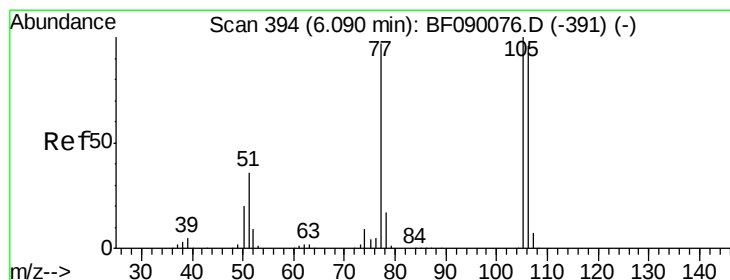
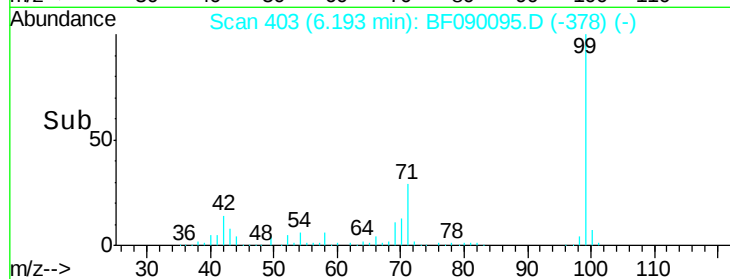
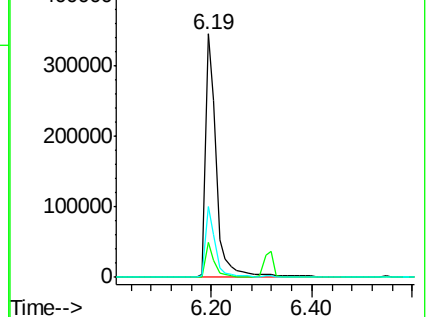
71 29.3 23.0 34.6



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: 3.14 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.23 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

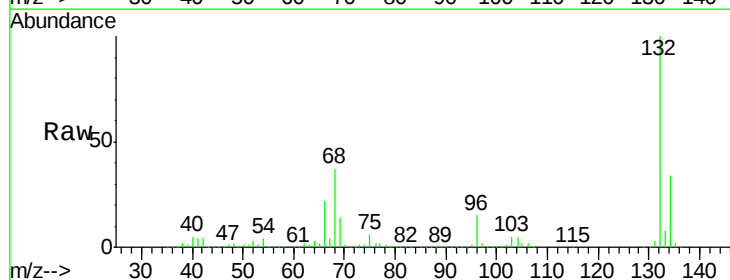
Tgt Ion: 77 Resp: 20209

Ion Ratio Lower Upper

77 100

105 84.5 83.0 123.0

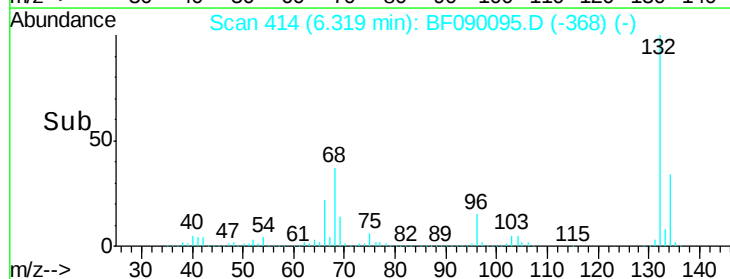
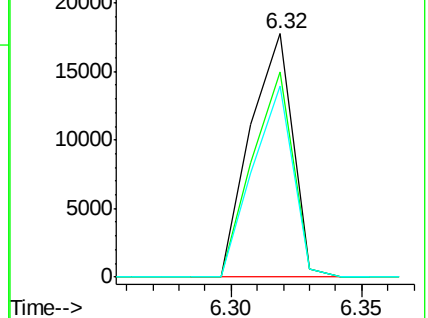
106 78.4 78.5 118.5#

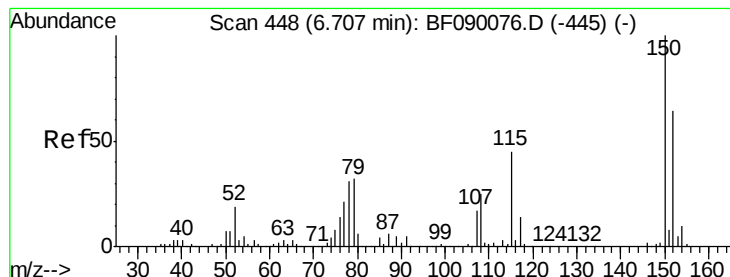


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Instrument :

BNA_F

ClientSampleId :

WM-184-SW

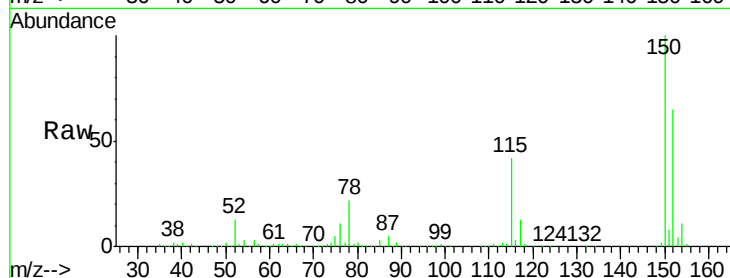
Tgt Ion: 79 Resp: 13991

Ion Ratio Lower Upper

79 100

108 33.2 62.2 93.4#

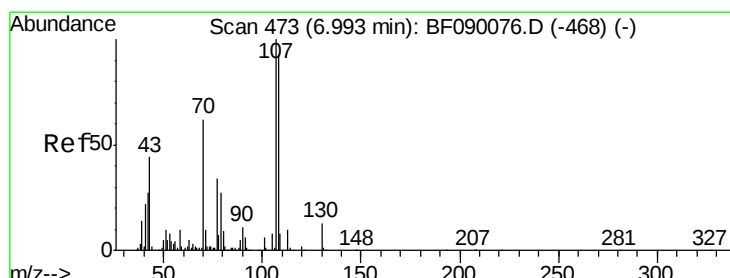
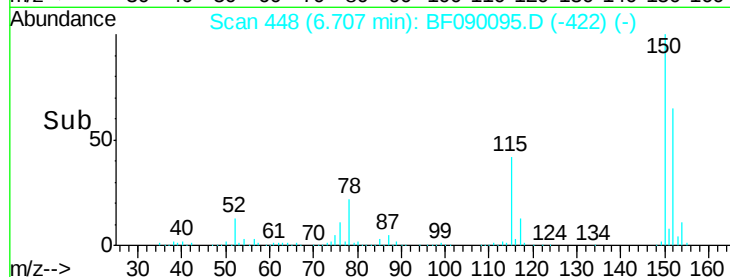
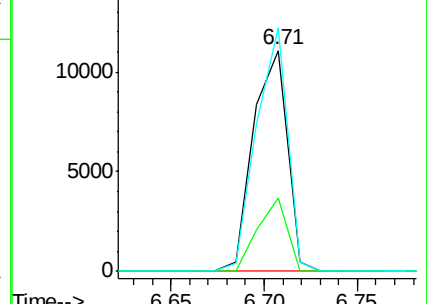
77 110.3 51.4 77.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.22 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.13 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Tgt Ion: 70 Resp: 114297

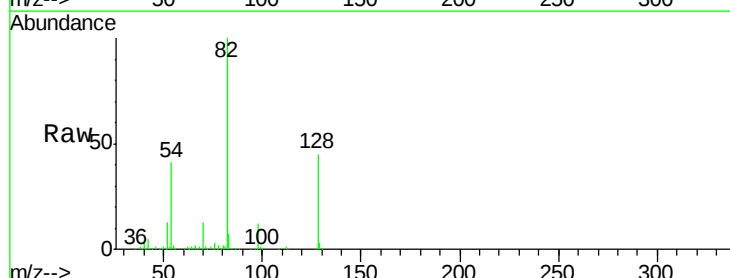
Ion Ratio Lower Upper

70 100

42 36.3 35.1 52.7

101 0.0 7.5 11.3#

130 2.3 16.6 25.0#

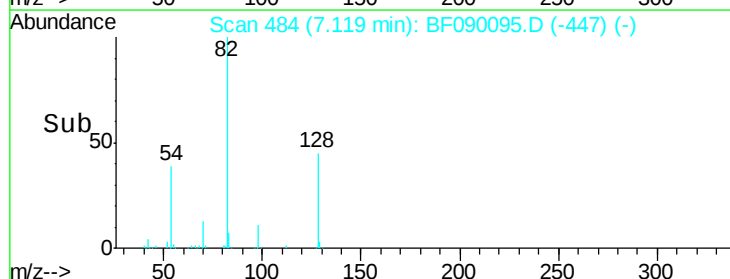
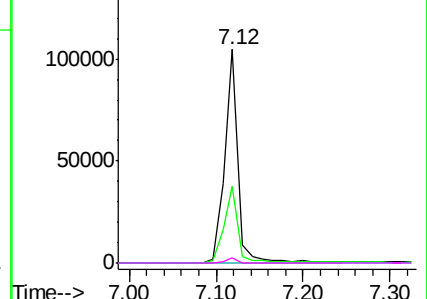


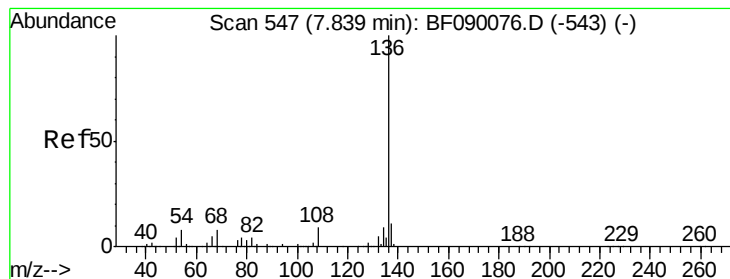
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Instrument :

BNA_F

ClientSampleId :

WM-184-SW

Tgt Ion: 136 Resp: 595029

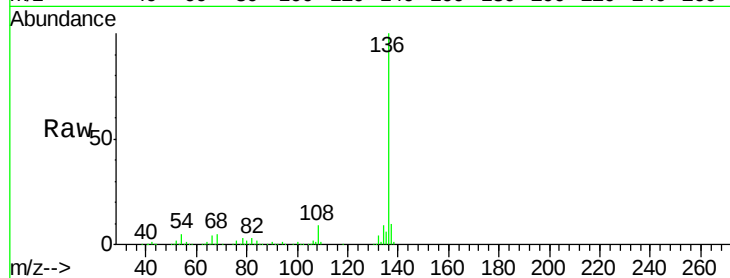
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.1 6.4 9.6#

68 5.3 6.3 9.5#

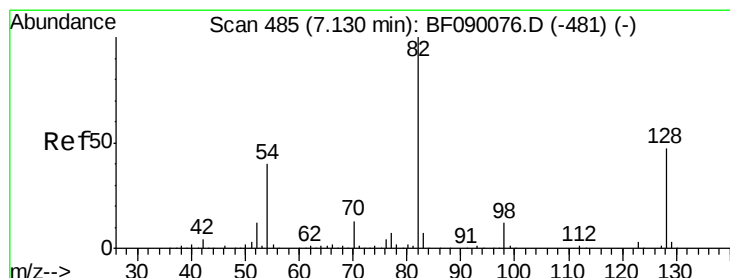
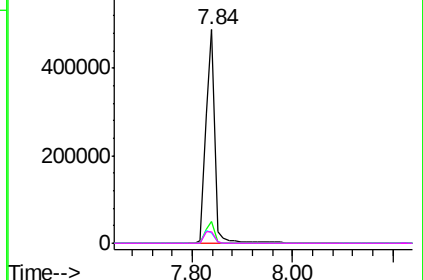
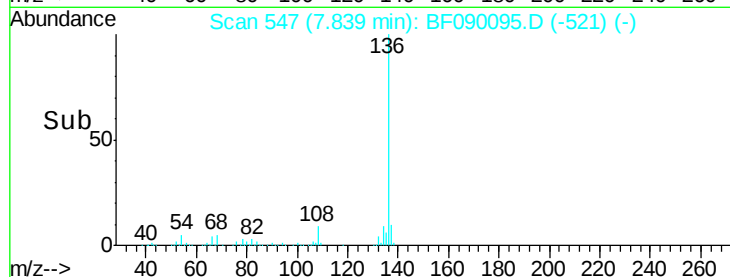


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.59 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

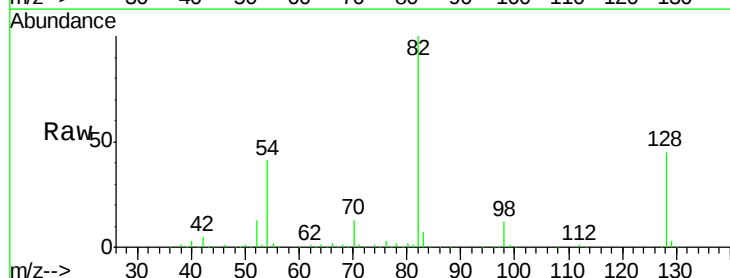
Tgt Ion: 82 Resp: 916358

Ion Ratio Lower Upper

82 100

128 44.5 37.5 56.3

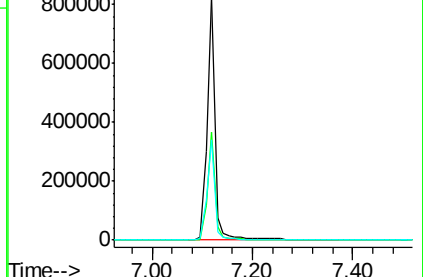
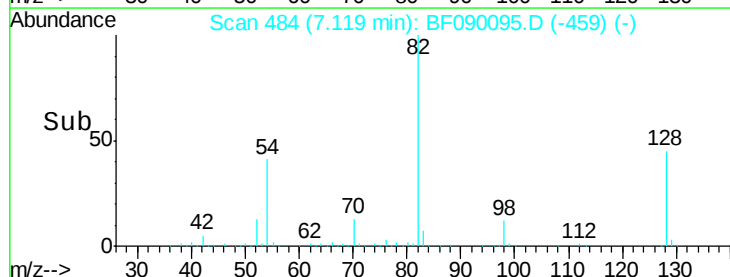
54 41.3 31.9 47.9

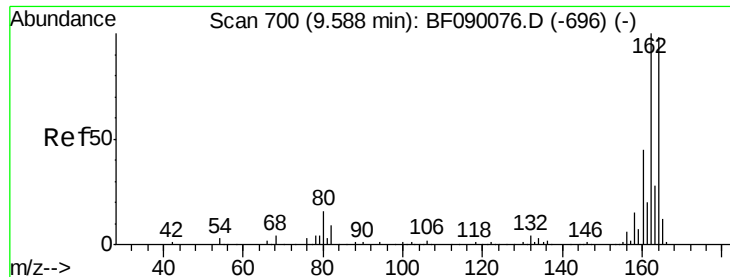


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

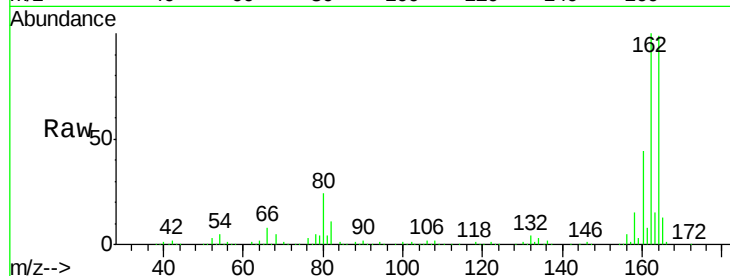




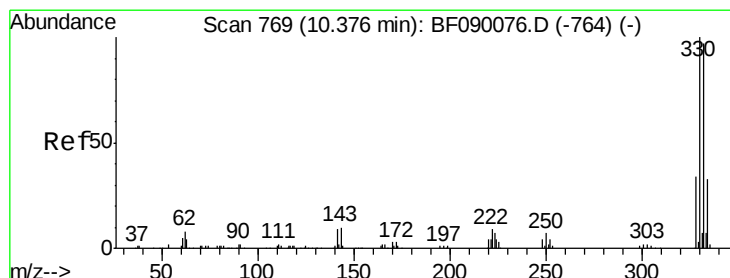
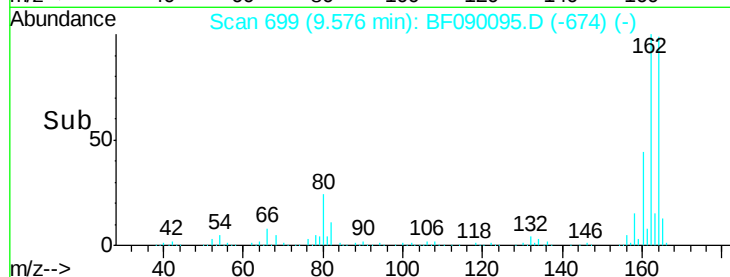
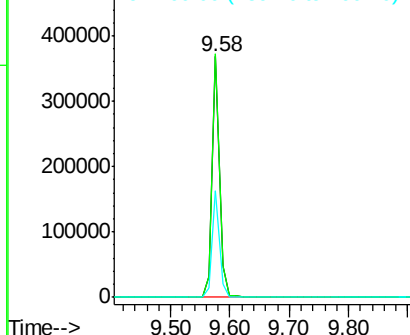
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF090095.D
 Acq: 15 Sep 2016 16:51

Instrument :
 BNA_F
 ClientSampleId :
 WM-184-SW

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.4	122.2
160	44.3	36.6	54.8

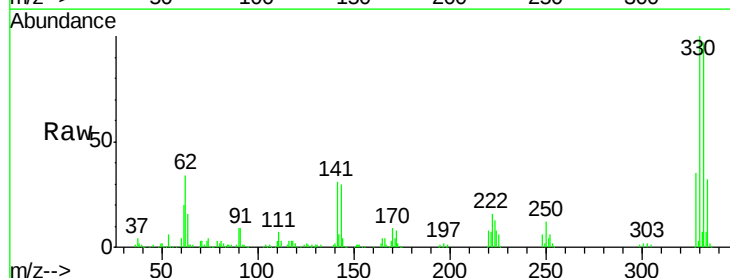


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

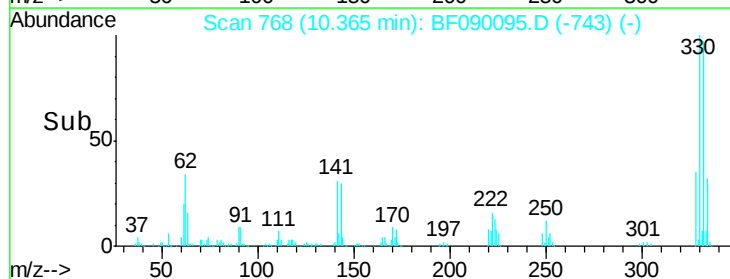
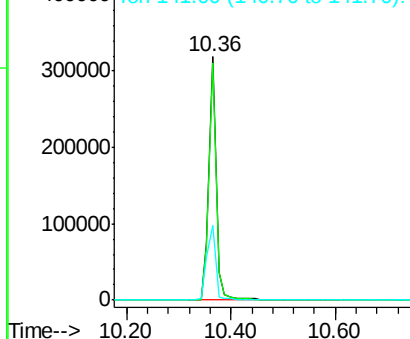


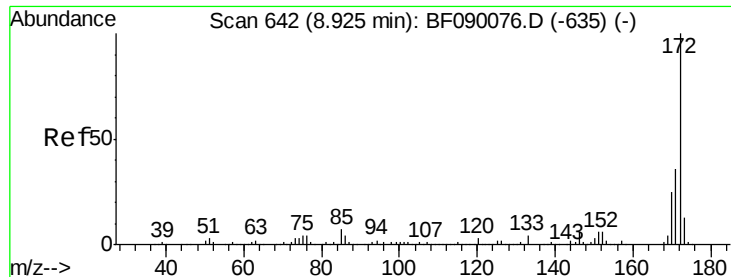
#41
 2,4,6-Tribromophenol
 Concen: 99.29 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF090095.D
 Acq: 15 Sep 2016 16:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.1	117.1
141	36.8	23.9	35.9#



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

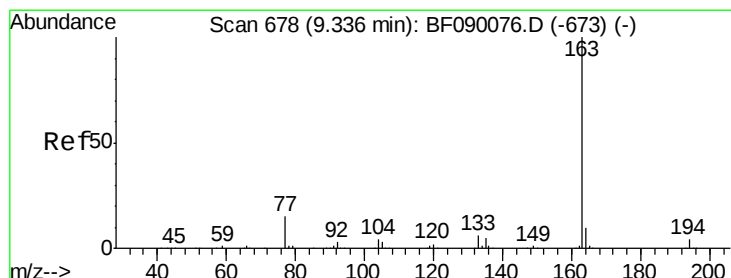
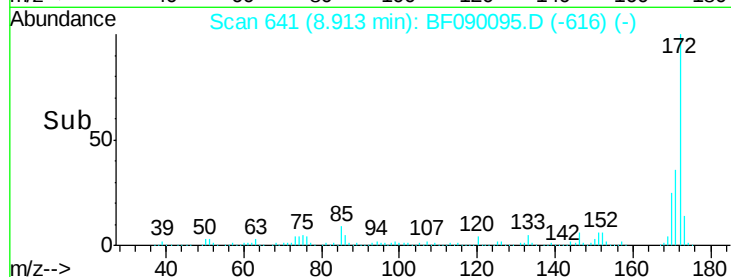
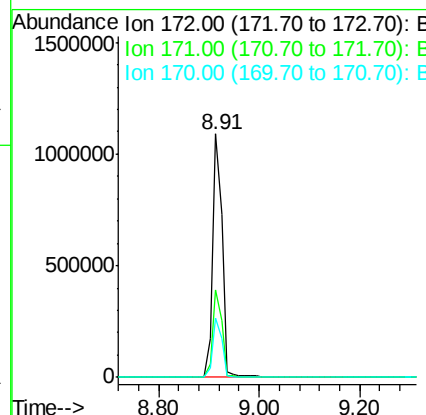
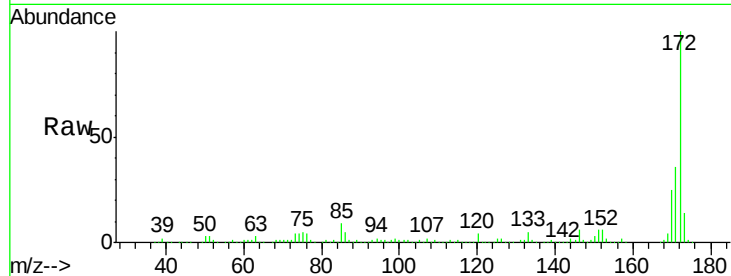




#44
 2-Fluorobiphenyl
 Concen: 71.39 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090095.D
 Acq: 15 Sep 2016 16:51

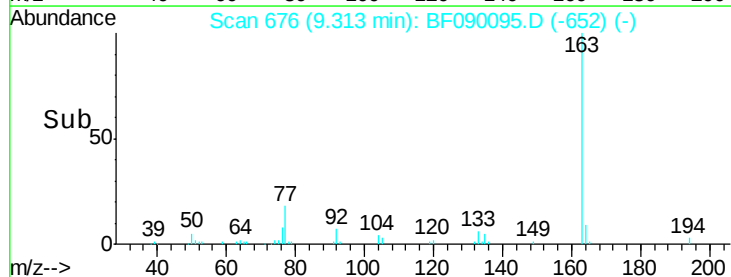
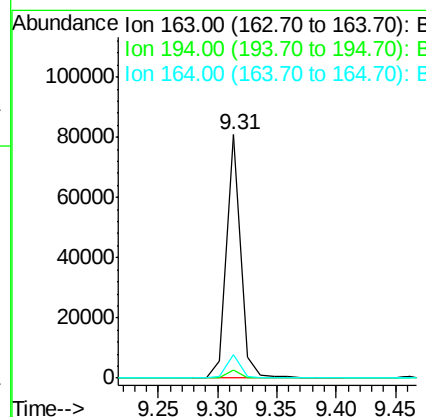
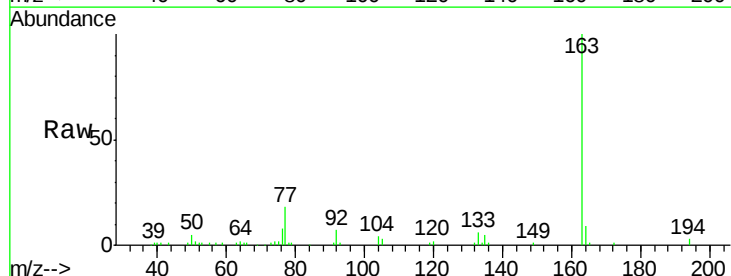
Instrument :
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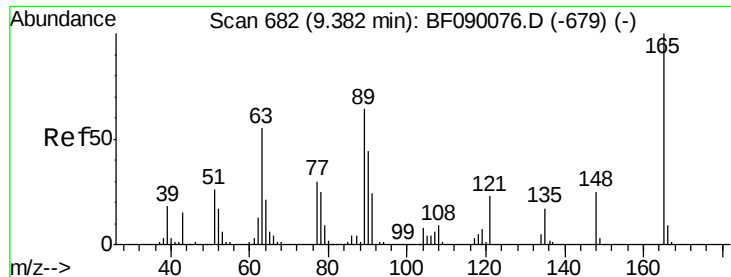
Tgt Ion:172 Resp: 1439831
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 24.6 19.8 29.8



#49
 Dimethylphthalate
 Concen: 2.82 ng
 RT: 9.31 min Scan# 676
 Delta R.T. -0.02 min
 Lab File: BF090095.D
 Acq: 15 Sep 2016 16:51

Tgt Ion:163 Resp: 66346
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 9.5 8.1 12.1





#50

2,6-Dinitrotoluene

Concen: 7.79 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.19 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Instrument :

BNA_F

ClientSampleId :

WM-184-SW

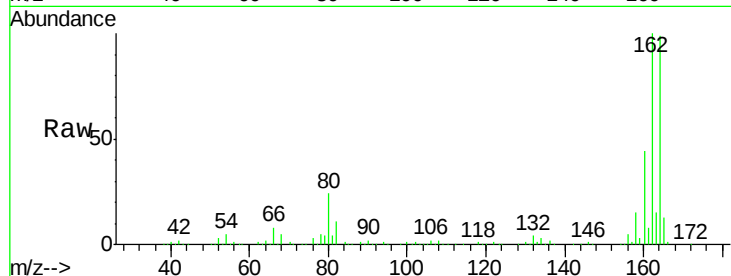
Tgt Ion:165 Resp: 40929

Ion Ratio Lower Upper

165 100

63 0.8 49.9 74.9#

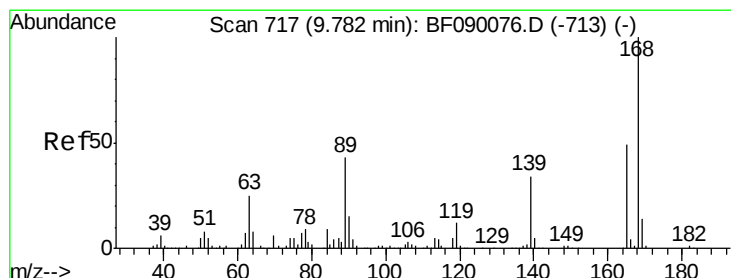
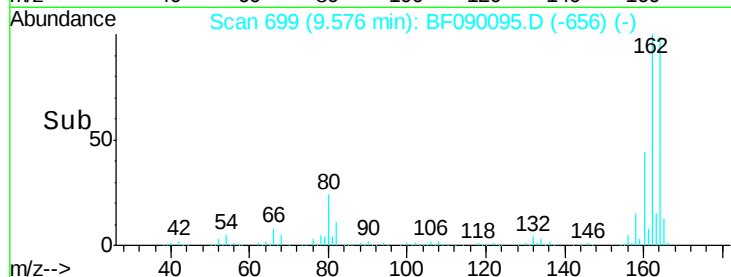
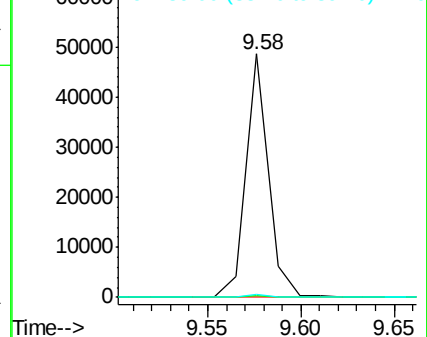
89 1.0 51.0 76.4#



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: 6.39 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.21 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Tgt Ion:165 Resp: 40930

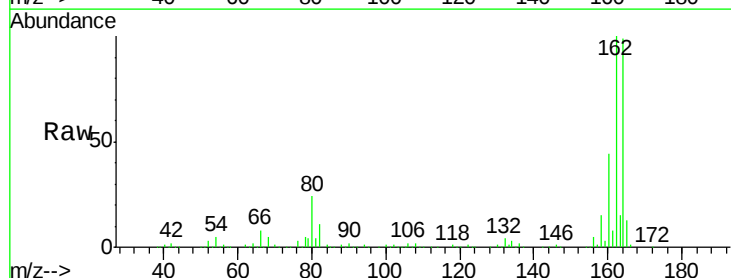
Ion Ratio Lower Upper

165 100

63 0.8 44.4 66.6#

89 1.0 70.1 105.1#

182 0.0 1.7 2.5#

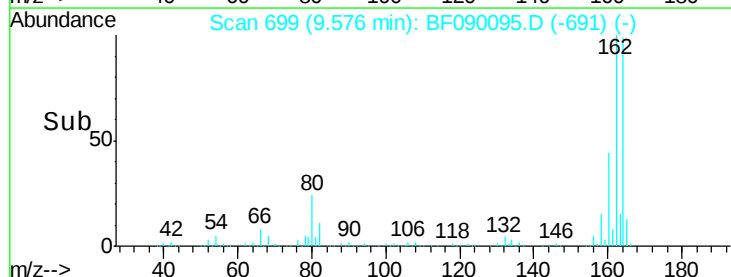
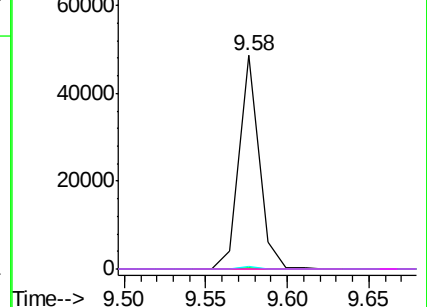


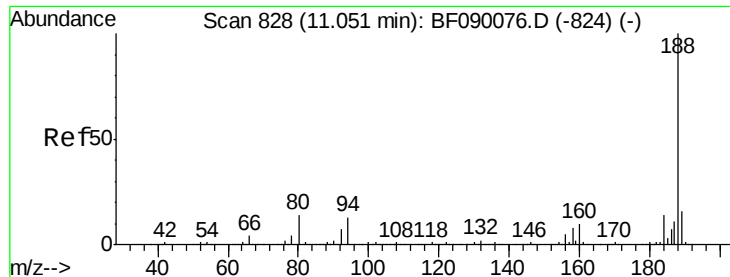
Abundance Ion 165.00 (164.70 to 165.70): E

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

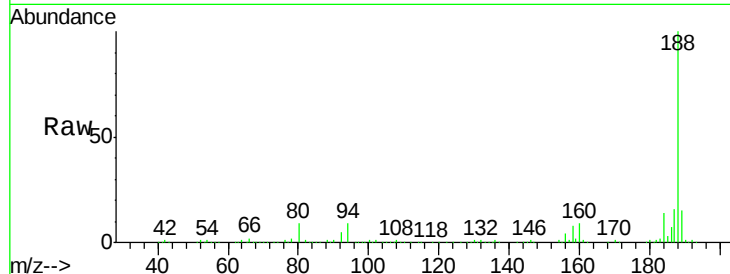




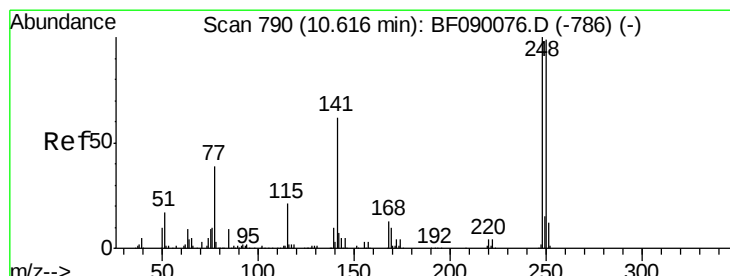
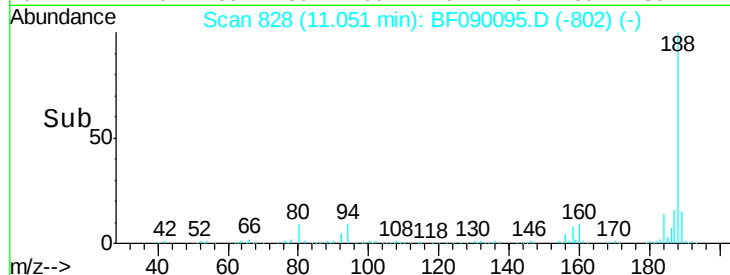
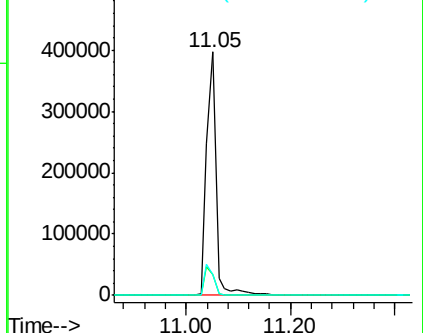
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF090095.D
Acq: 15 Sep 2016 16:51

Instrument :
BNA_F
ClientSampleId :
WM-184-SW

Tgt Ion:188 Resp: 503290
Ion Ratio Lower Upper
188 100
94 8.7 10.5 15.7#
80 8.7 11.2 16.8#

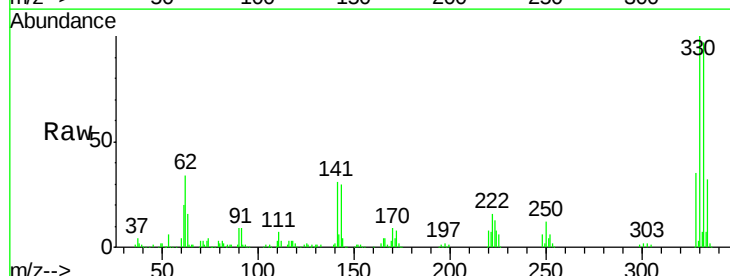


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

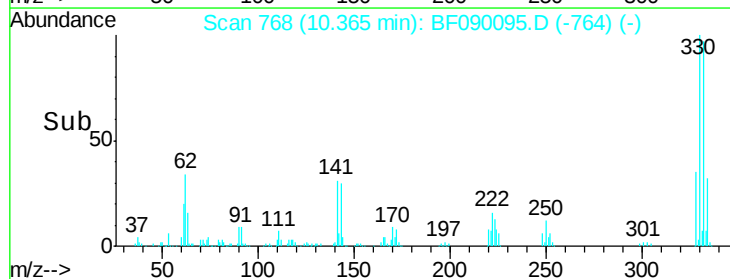
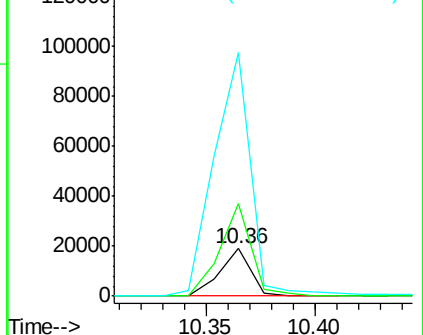


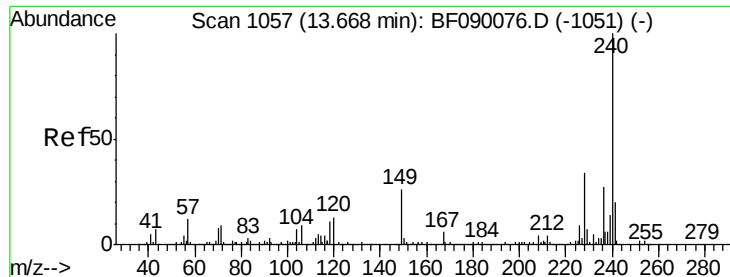
#66
4-Bromophenyl-phenylether
Concen: 3.91 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.25 min
Lab File: BF090095.D
Acq: 15 Sep 2016 16:51

Tgt Ion:248 Resp: 18947
Ion Ratio Lower Upper
248 100
250 196.7 79.4 119.2#
141 514.5 49.3 73.9#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Instrument :

BNA_F

ClientSampleId :

WM-184-SW

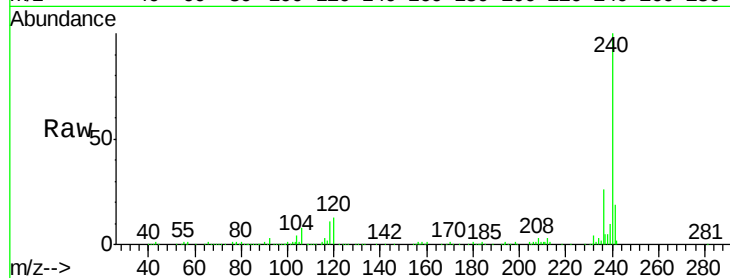
Tgt Ion:240 Resp: 317591

Ion Ratio Lower Upper

240 100

120 12.7 10.6 16.0

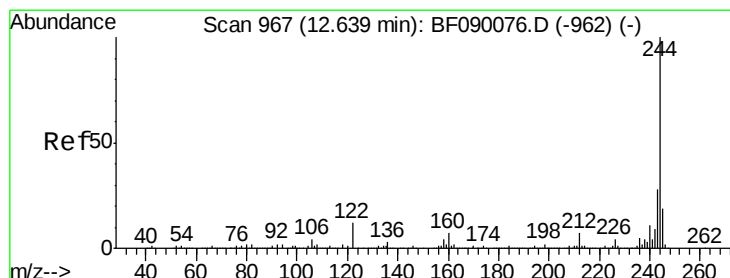
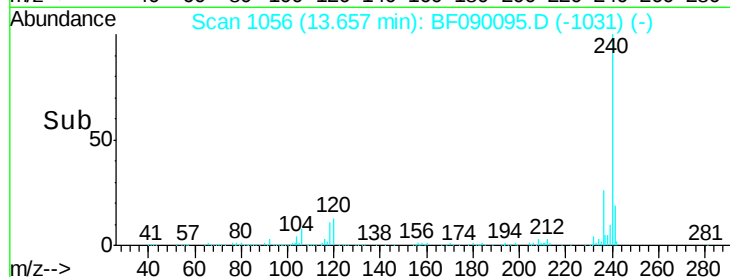
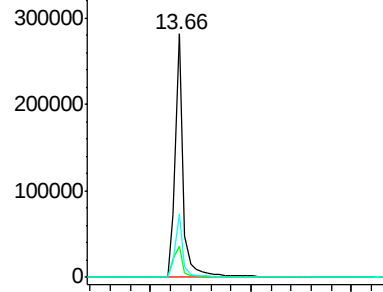
236 25.7 21.6 32.4



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: 72.00 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

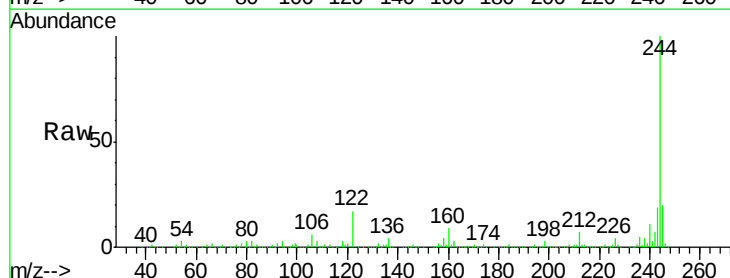
Tgt Ion:244 Resp: 962954

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

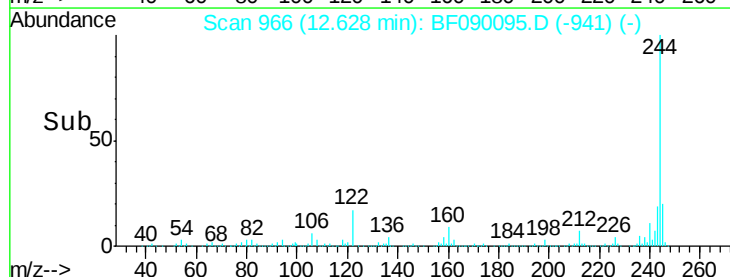
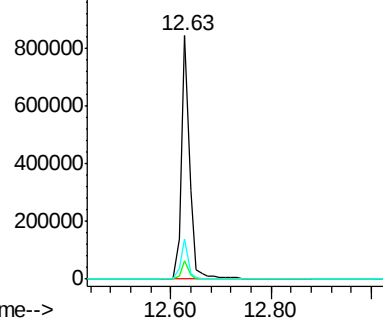
122 16.6 9.4 14.0#

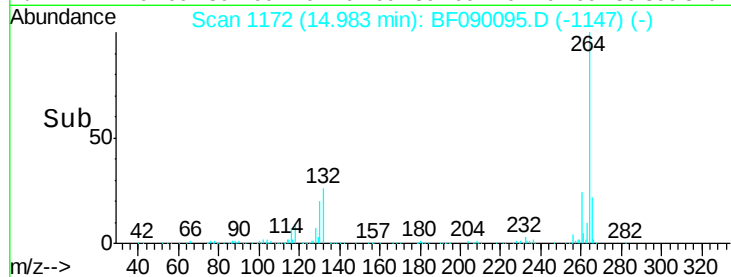
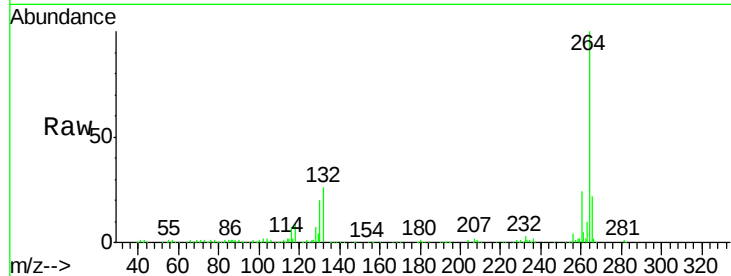
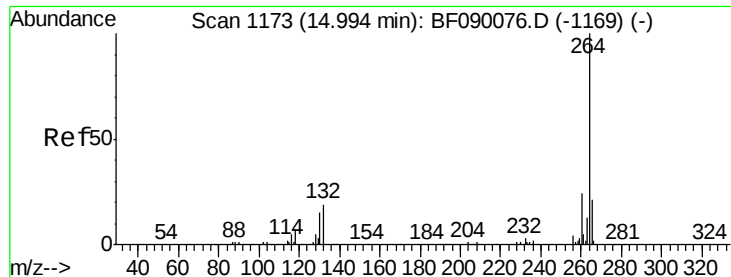


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF090095.D

Acq: 15 Sep 2016 16:51

Instrument :

BNA_F

ClientSampleId :

WM-184-SW

Tgt Ion: 264 Resp: 296437

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.8 17.0 25.4

