

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052416\
 Data File : BF087360.D
 Acq On : 25 May 2016 3:37
 Operator : UM/SJ
 Sample : H3211-20
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

Quant Time: May 25 05:18:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 00:58:25 2016
 Response via : Initial Calibration

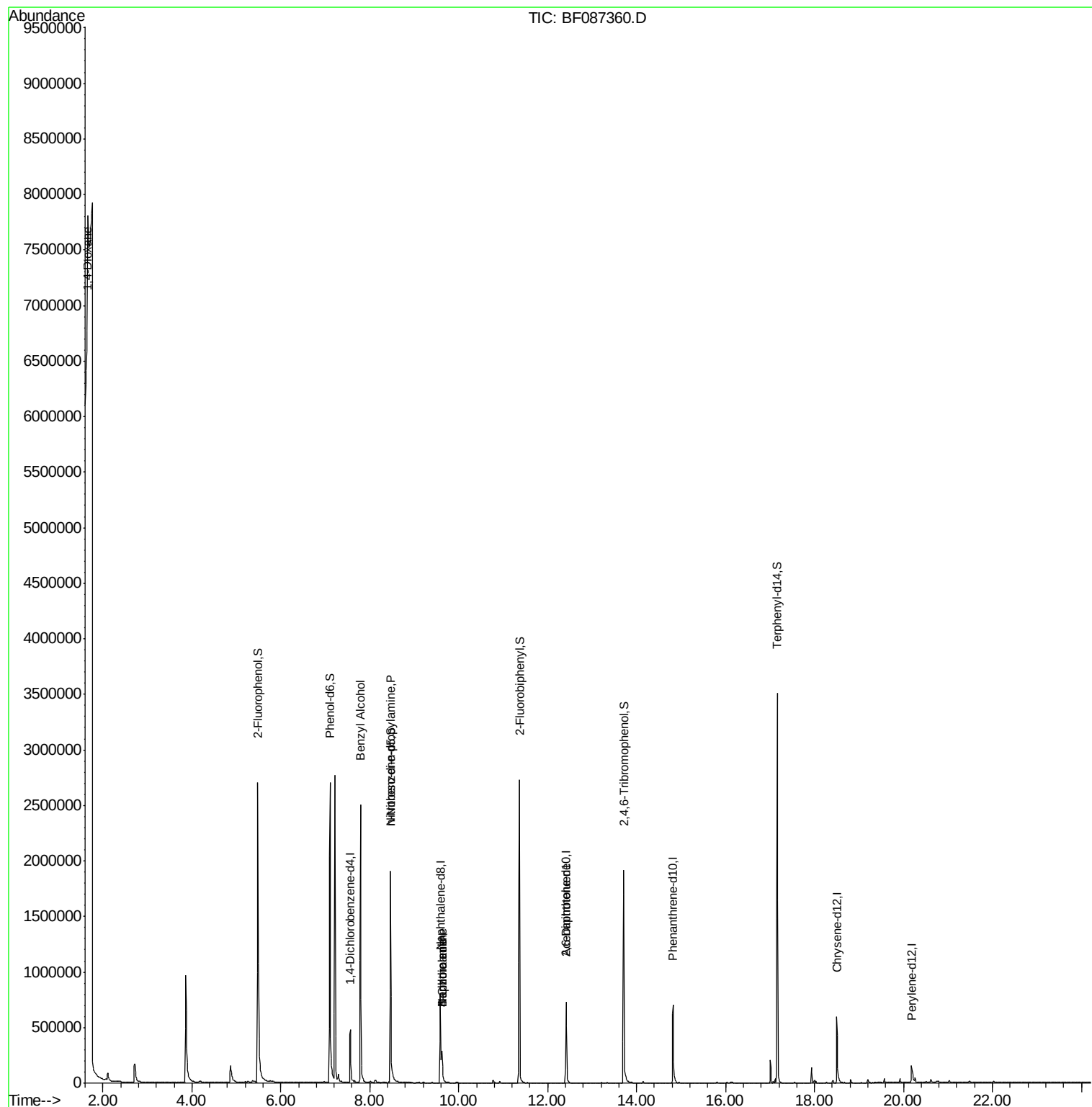
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	116913	20.00	ng	0.00
21) Naphthalene-d8	9.59	136	469141	20.00	ng	-0.01
38) Acenaphthene-d10	12.41	164	209686	20.00	ng	-0.01
63) Phenanthrene-d10	14.82	188	449739	20.00	ng	0.00
75) Chrysene-d12	18.50	240	325676	20.00	ng	-0.01
86) Perylene-d12	20.18	264	68124	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1003477	150.82	ng	0.02
7) Phenol-d6	7.11	99	1315845	146.36	ng	0.00
23) Nitrobenzene-d5	8.47	82	885514	95.13	ng	-0.02
41) 2,4,6-Tribromophenol	13.71	330	346684	172.05	ng	-0.01
44) 2-Fluorobiphenyl	11.37	172	1521233	102.28	ng	-0.01
78) Terphenyl-d14	17.17	244	1481209	96.69	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.66	88	63396	18.06	ng	# 22
15) Benzyl Alcohol	7.79	79	15443	2.36	ng	# 40
19) n-Nitroso-di-n-propylamine	8.47	70	117493	17.52	ng	# 73
31) Naphthalene	9.62	128	224765	9.56	ng	99
32) Benzoic acid	9.62	122	240	5.88	ng	# 1
33) 4-Chloroaniline	9.62	127	29096	3.36	ng	# 35
50) 2,6-Dinitrotoluene	12.41	165	23568	6.96	ng	# 21

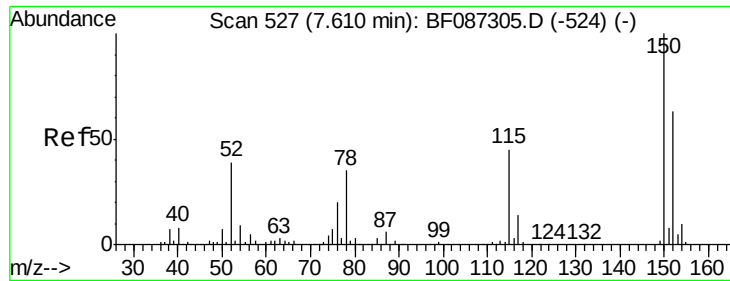
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

Instrument :

BNA_F

ClientSampleId :

TA-1315-(0-4)

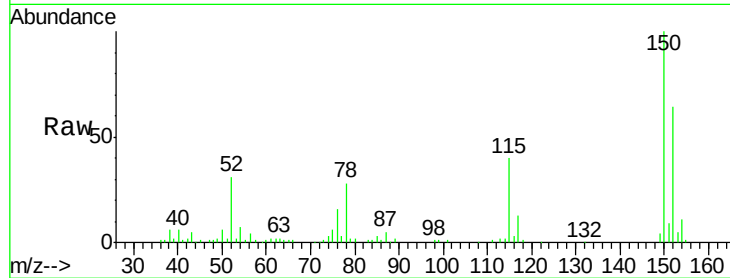
Tgt Ion:152 Resp: 116913

Ion Ratio Lower Upper

152 100

150 156.1 125.8 188.6

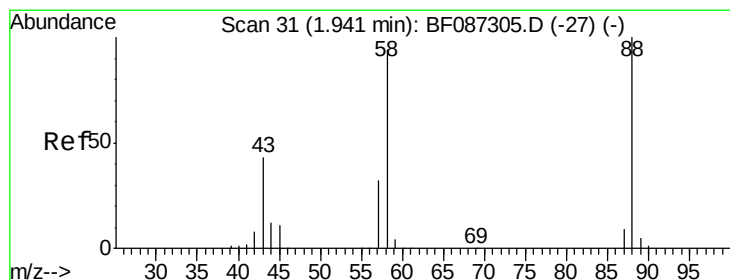
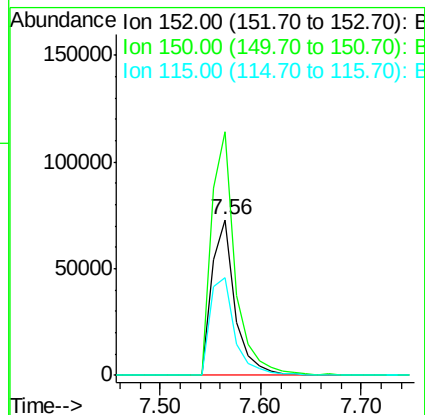
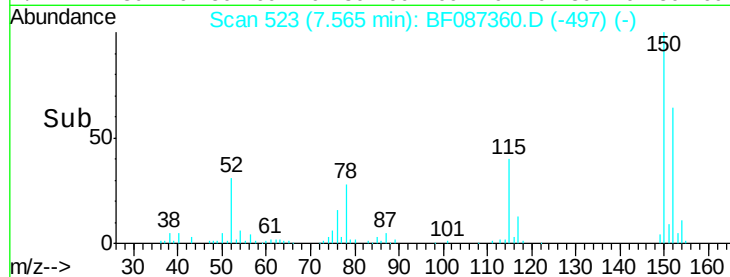
115 62.9 51.5 77.3



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



#2

1,4-Dioxane

Concen: 18.06 ng

RT: 1.66 min Scan# 6

Delta R.T. -0.21 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

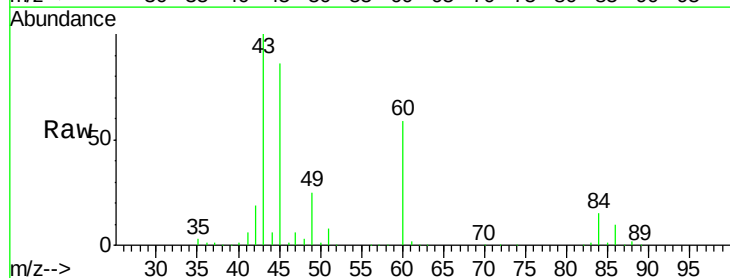
Tgt Ion: 88 Resp: 63396

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

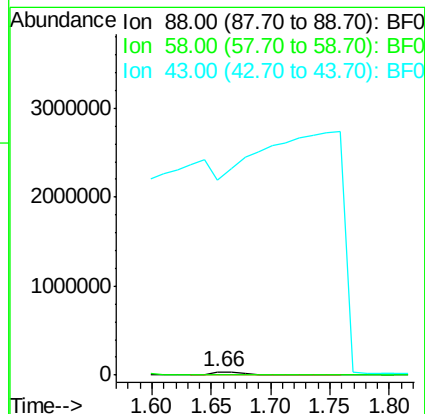
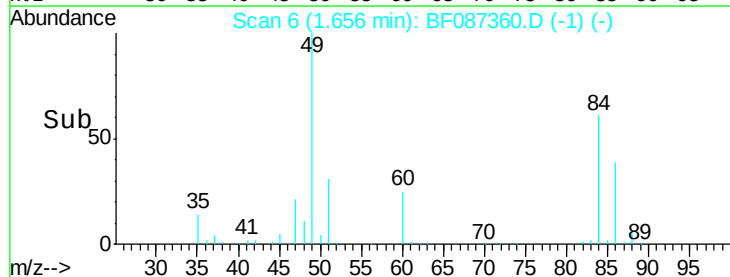
43 0.0 21.8 32.6#

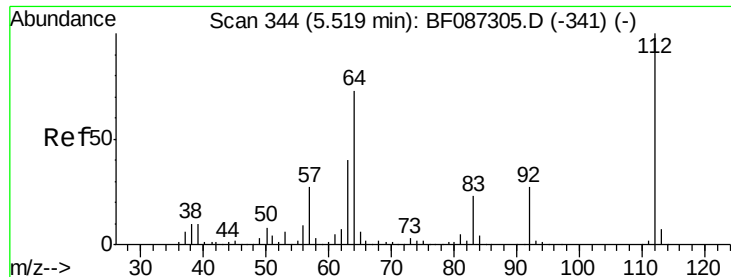


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 150.82 ng

RT: 5.48 min Scan# 341

Delta R.T. 0.02 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

Instrument :

BNA_F

ClientSampleId :

TA-1315-(0-4)

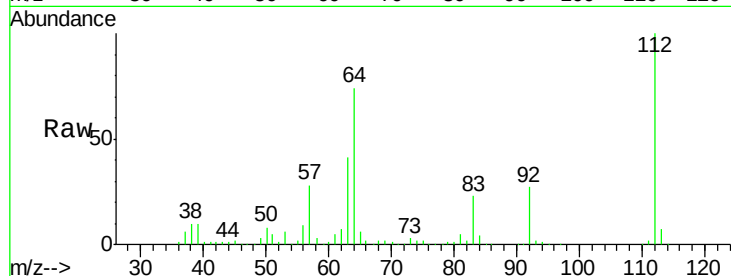
Tgt Ion: 112 Resp: 1003477

Ion Ratio Lower Upper

112 100

64 74.3 52.1 78.1

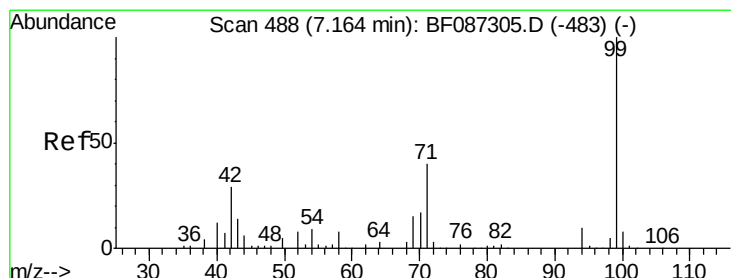
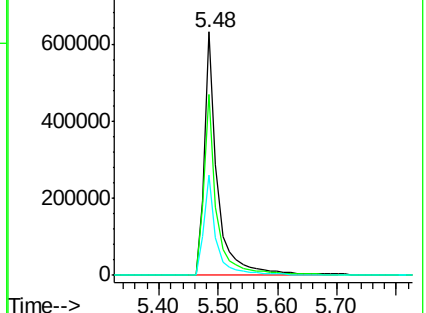
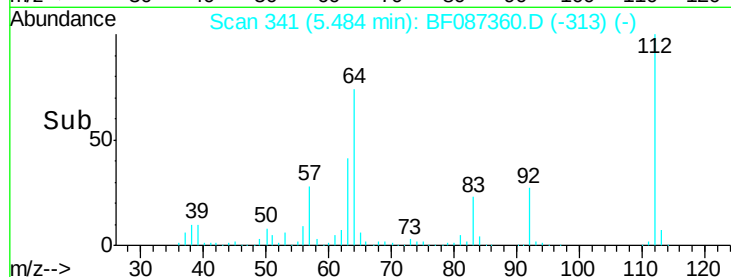
63 41.3 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 146.36 ng

RT: 7.11 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

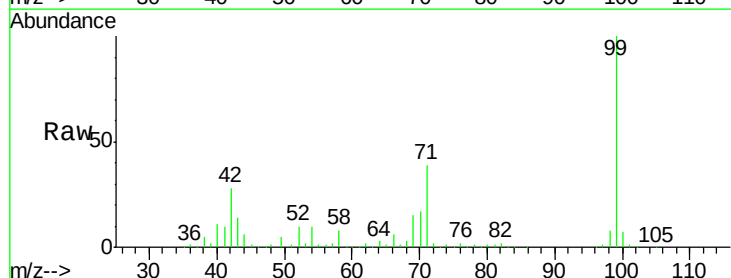
Tgt Ion: 99 Resp: 1315845

Ion Ratio Lower Upper

99 100

42 27.6 13.6 20.4#

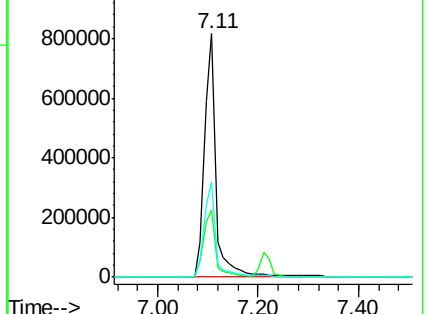
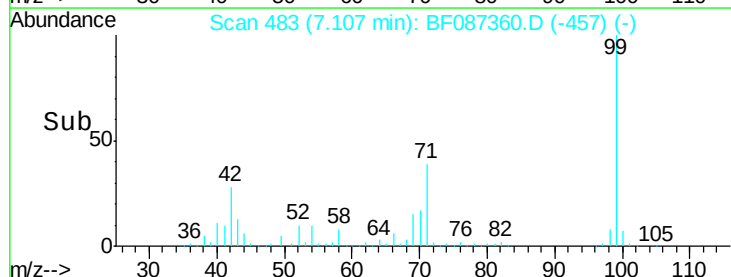
71 39.3 24.6 36.8#

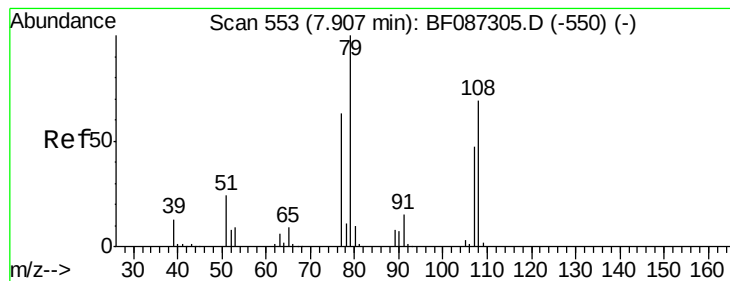


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.36 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.07 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

Instrument :

BNA_F

ClientSampleId :

TA-1315-(0-4)

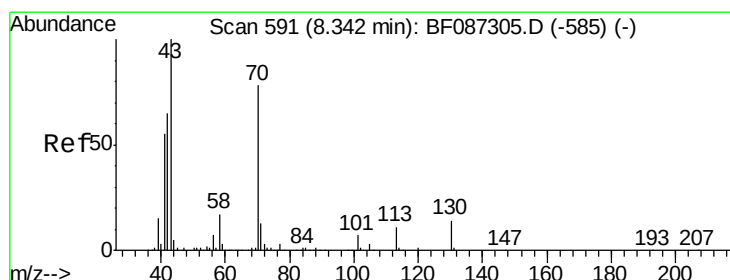
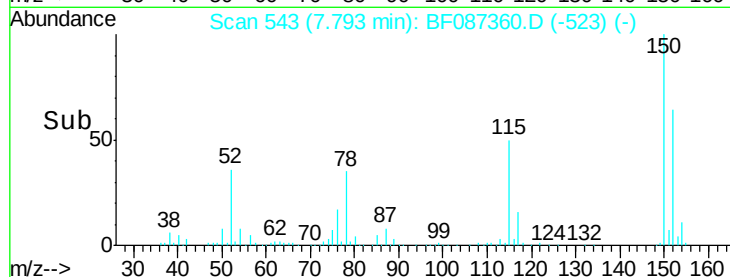
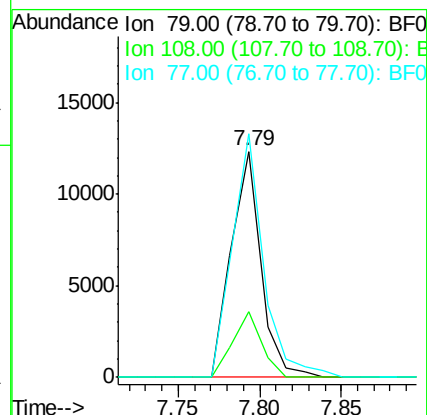
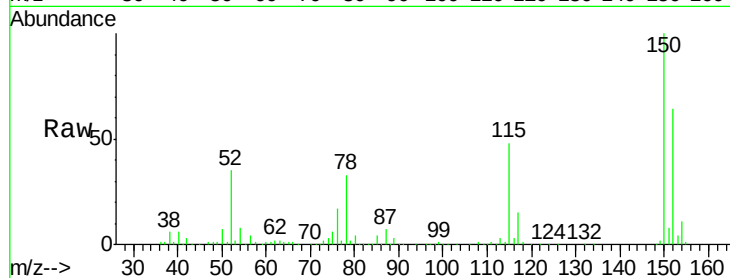
Tgt Ion: 79 Resp: 15443

Ion Ratio Lower Upper

79 100

108 29.3 68.4 102.6#

77 107.8 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.52 ng

RT: 8.47 min Scan# 602

Delta R.T. 0.18 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

Tgt Ion: 70 Resp: 117493

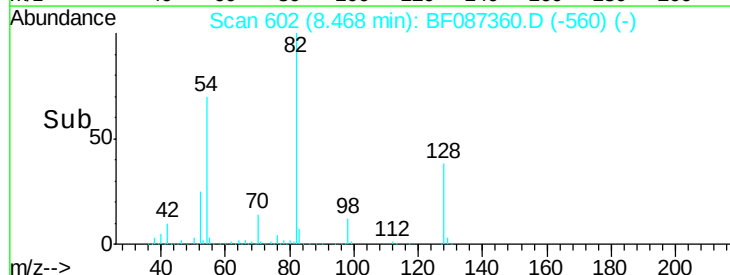
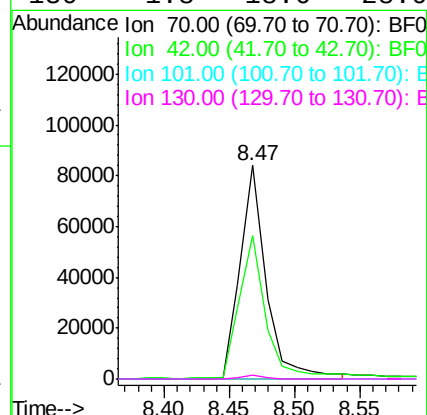
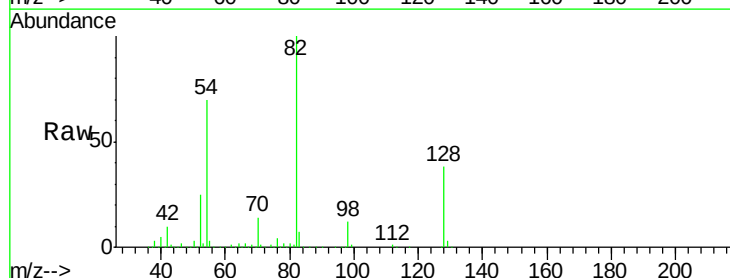
Ion Ratio Lower Upper

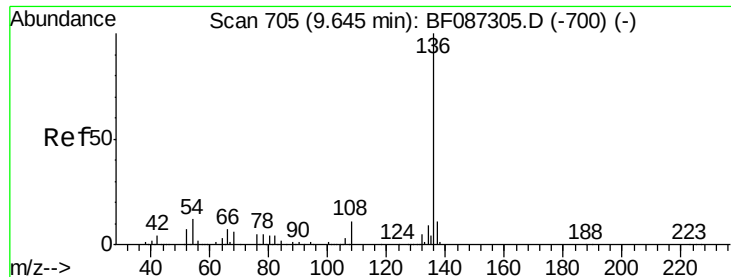
70 100

42 67.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

Instrument :

BNA_F

ClientSampleId :

TA-1315-(0-4)

Tgt Ion:136 Resp: 469141

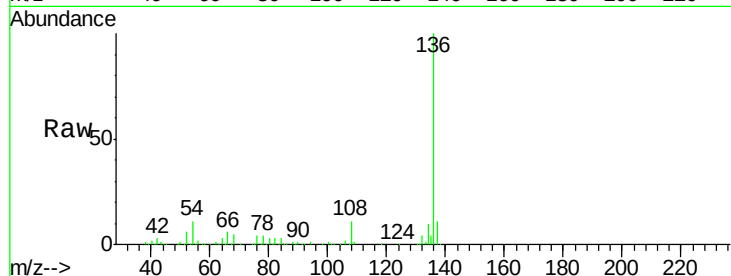
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 11.0 5.0 7.4#

68 5.2 4.4 6.6

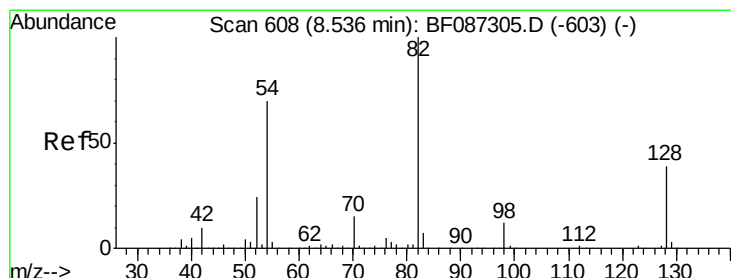
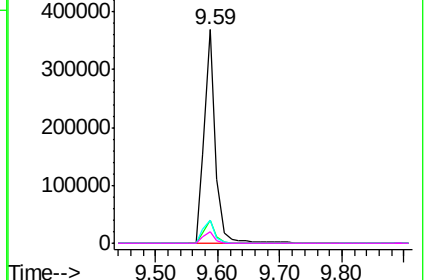
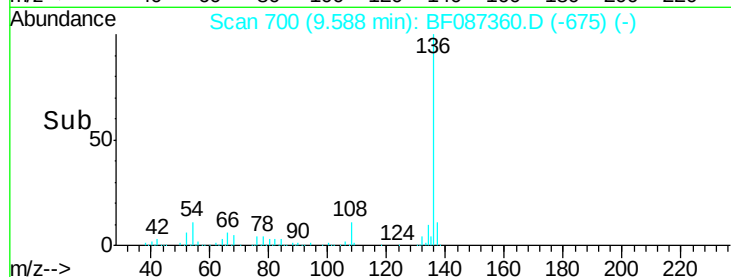


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.13 ng

RT: 8.47 min Scan# 602

Delta R.T. -0.02 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

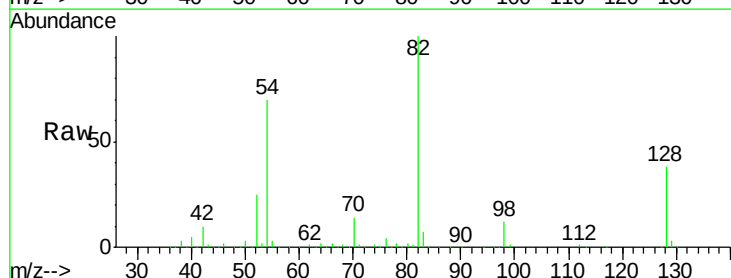
Tgt Ion: 82 Resp: 885514

Ion Ratio Lower Upper

82 100

128 38.2 40.6 61.0#

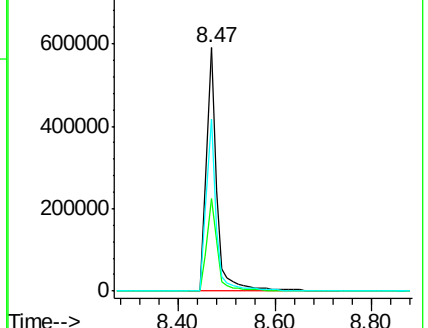
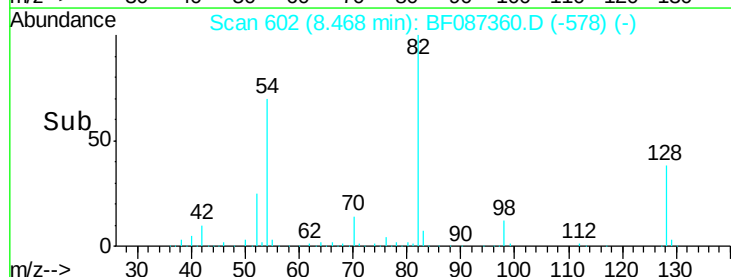
54 70.4 38.1 57.1#

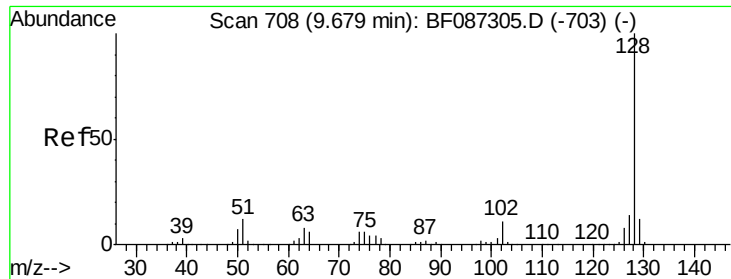


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

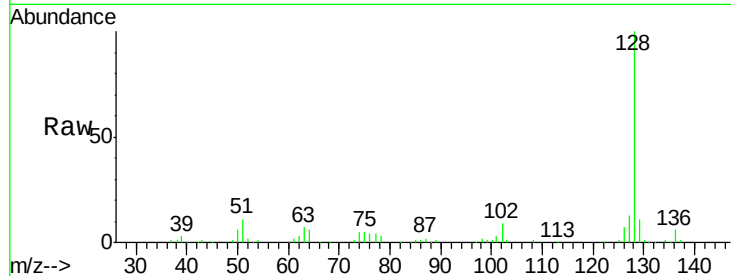




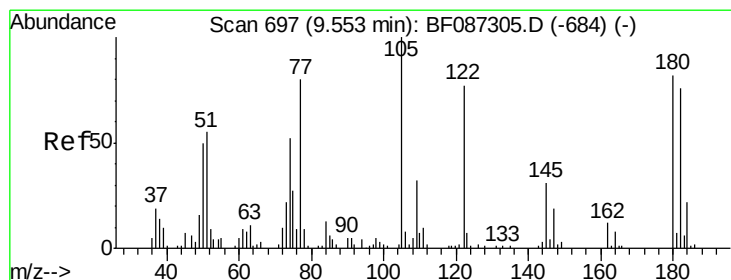
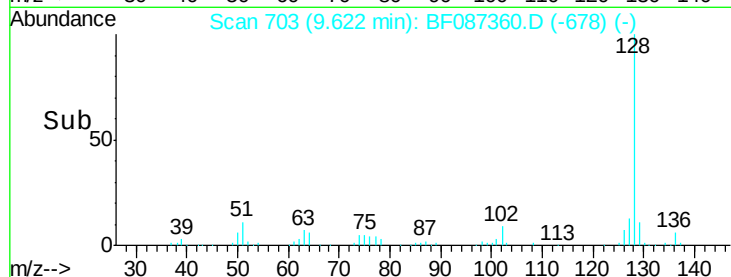
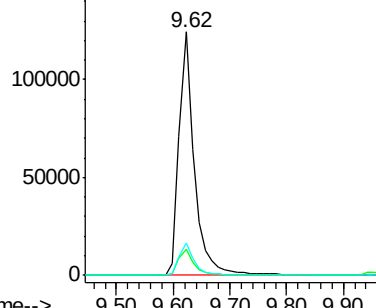
#31
Naphthalene
Concen: 9.56 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF087360.D
Acq: 25 May 2016 3:37

Instrument :
BNA_F
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TA-1315-(0-4)

Tgt Ion:128 Resp: 224765
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.1 10.8 16.2

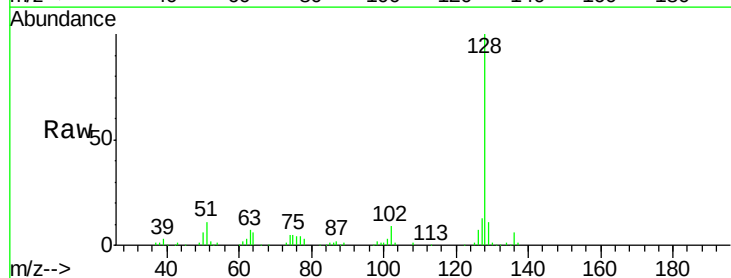


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

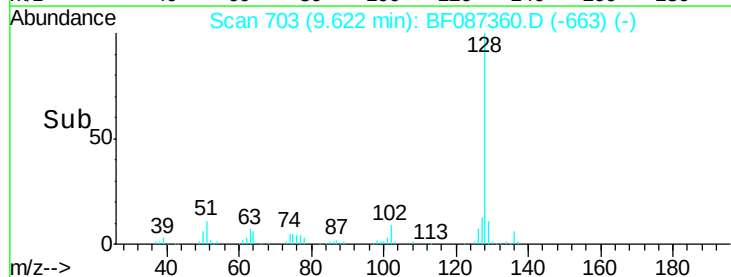
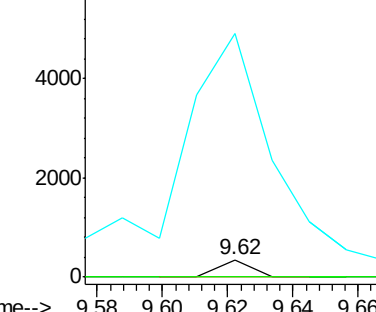


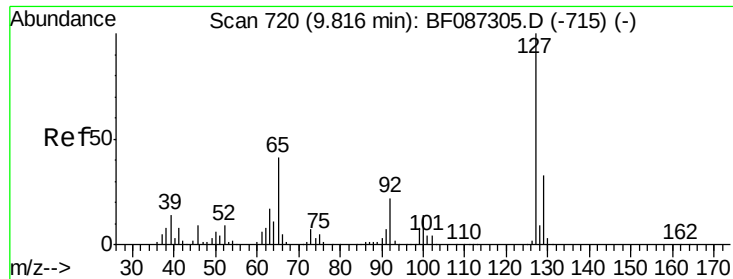
#32
Benzoic acid
Concen: 5.88 ng
RT: 9.62 min Scan# 703
Delta R.T. 0.16 min
Lab File: BF087360.D
Acq: 25 May 2016 3:37

Tgt Ion:122 Resp: 240
Ion Ratio Lower Upper
122 100
105 0.0 92.6 132.6#
77 1401.4 60.0 100.0#



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

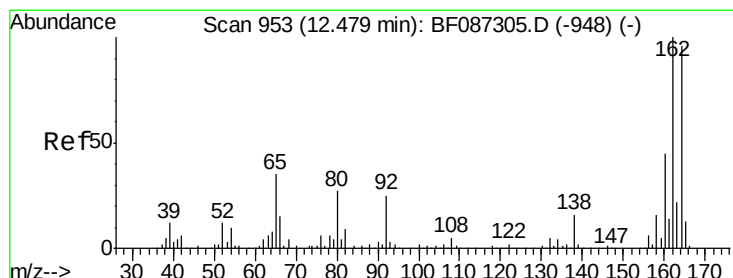
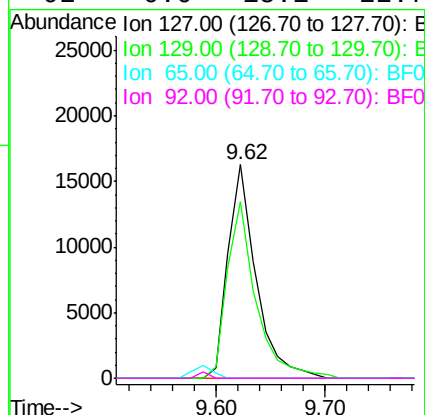
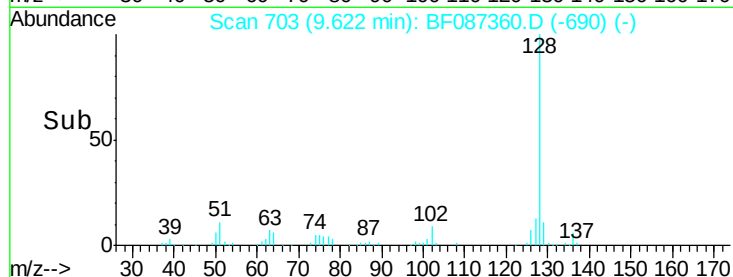
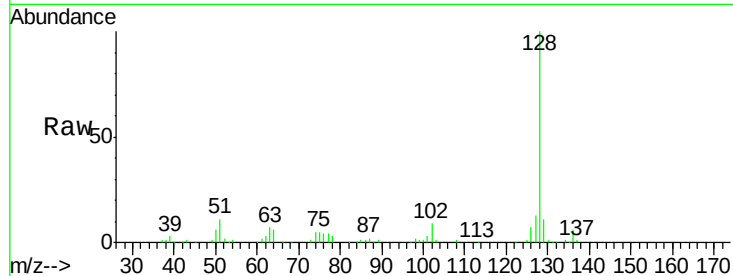




#33
4-Chloroaniline
Concen: 3.36 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.15 min
Lab File: BF087360.D
Acq: 25 May 2016 3:37

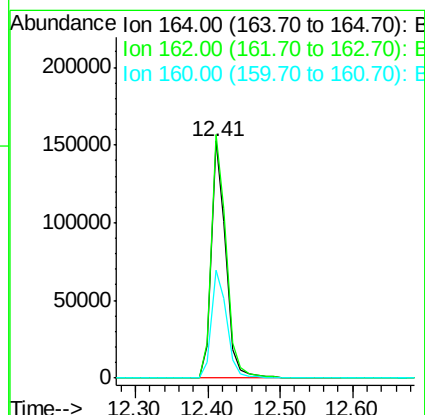
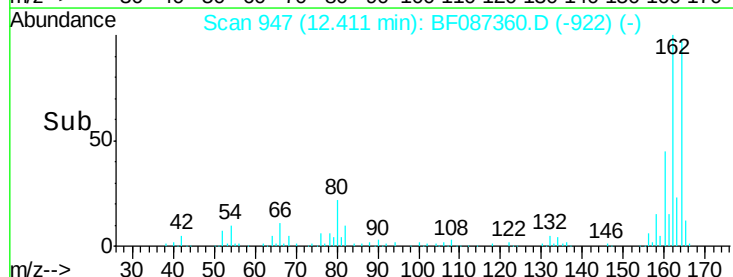
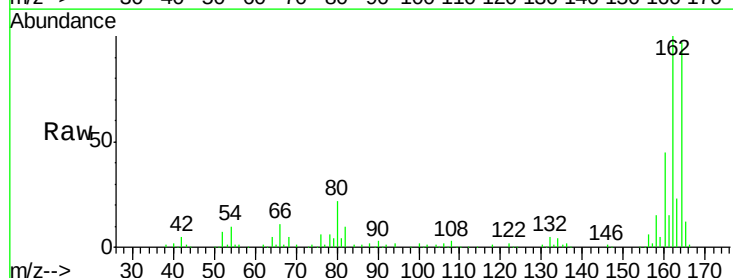
Instrument :
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TA-1315-(0-4)

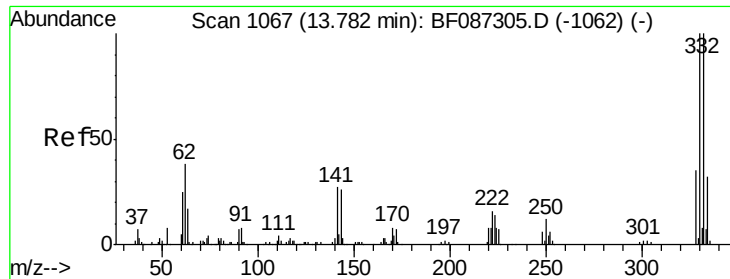
Tgt Ion:	127	Resp:	29096
Ion	Ratio	Lower	Upper
127	100		
129	83.0	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF087360.D
Acq: 25 May 2016 3:37

Tgt Ion:	164	Resp:	209686
Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.8	124.2
160	45.8	36.9	55.3

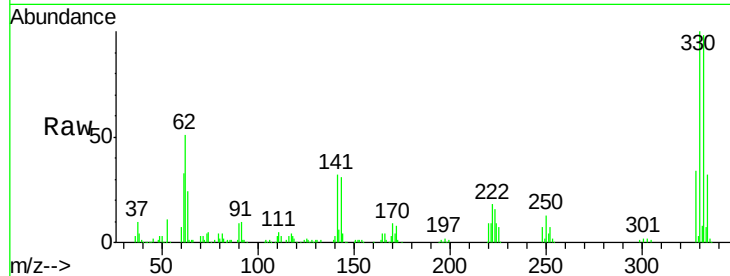




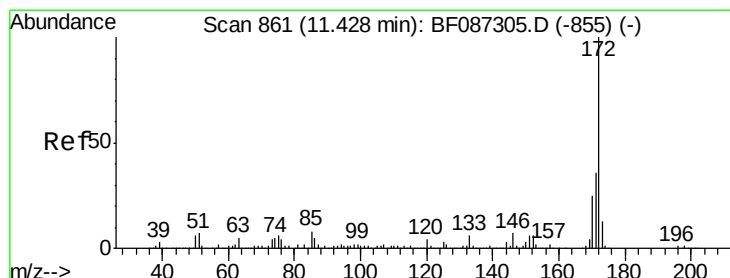
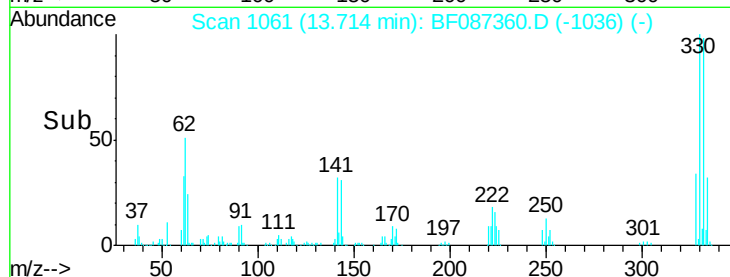
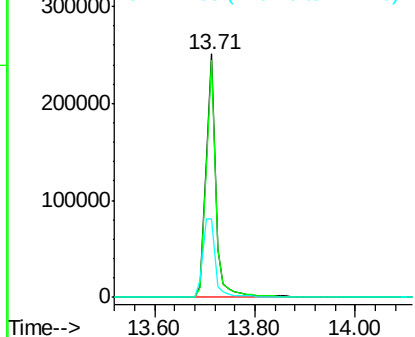
#41
 2,4,6-Tribromophenol
 Concen: 172.05 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF087360.D
 Acq: 25 May 2016 3:37

Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

Tgt Ion:330 Resp: 346684
 Ion Ratio Lower Upper
 330 100
 332 96.6 79.0 118.4
 141 41.5 31.2 46.8

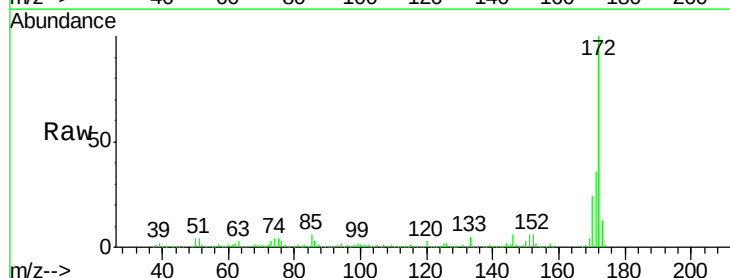


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

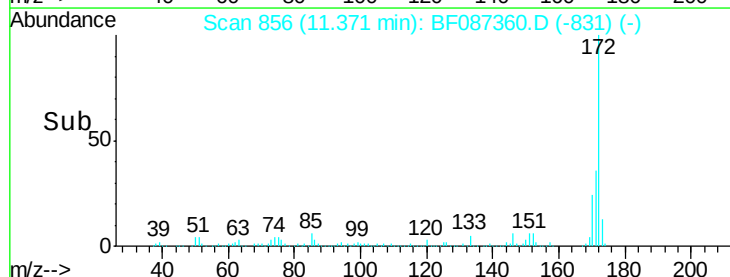
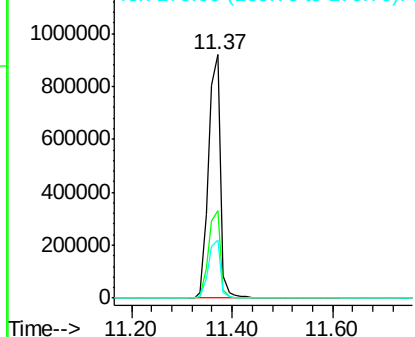


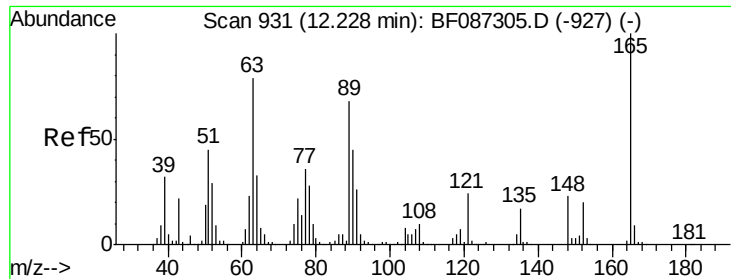
#44
 2-Fluorobiphenyl
 Concen: 102.28 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087360.D
 Acq: 25 May 2016 3:37

Tgt Ion:172 Resp: 1521233
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.1 19.8 29.8



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

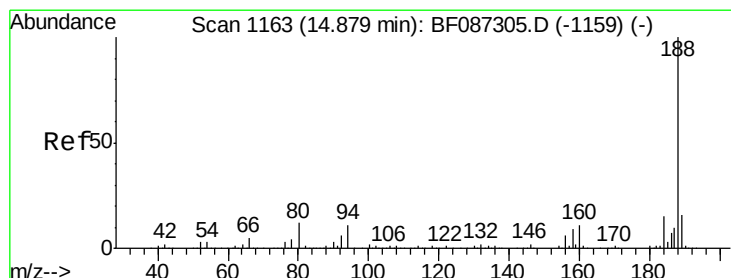
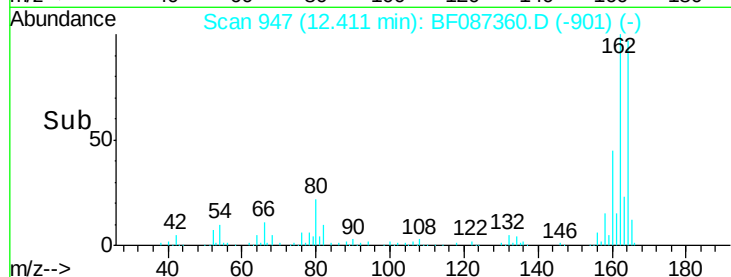
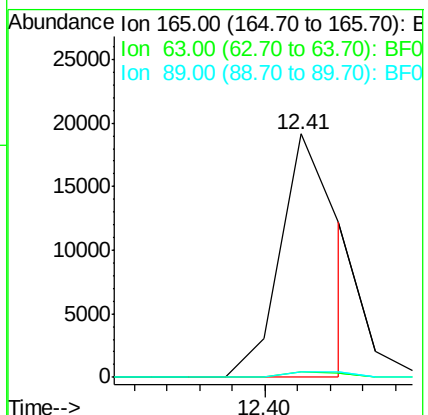
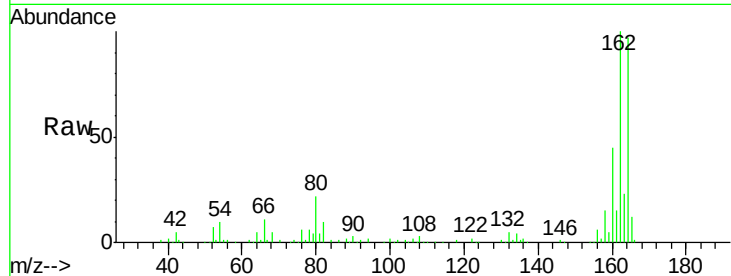




#50
 2,6-Dinitrotoluene
 Concen: 6.96 ng
 RT: 12.41 min Scan# 947
 Delta R.T. 0.23 min
 Lab File: BF087360.D
 Acq: 25 May 2016 3:37

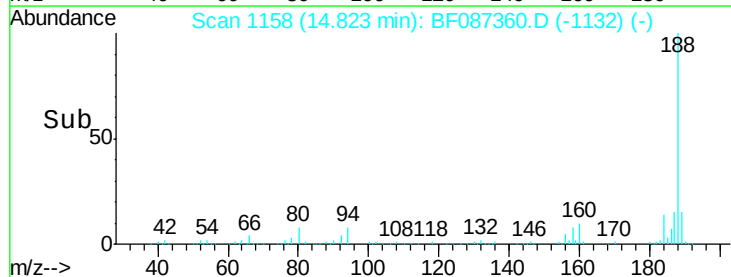
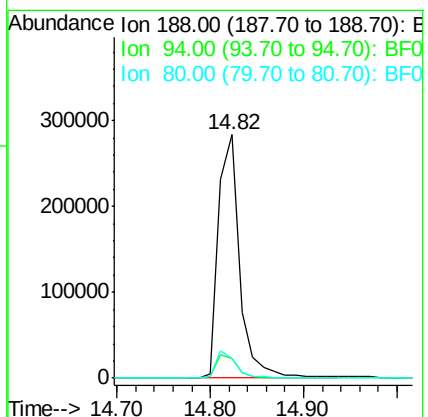
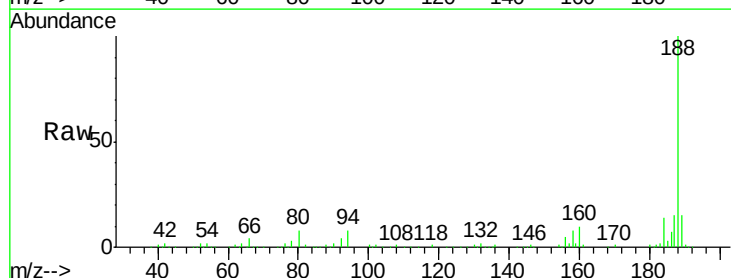
Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

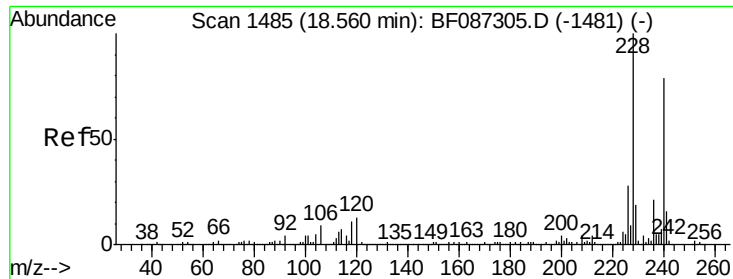
Tgt Ion:165 Resp: 23568
 Ion Ratio Lower Upper
 165 100
 63 2.1 51.8 77.8#
 89 2.3 50.7 76.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BF087360.D
 Acq: 25 May 2016 3:37

Tgt Ion:188 Resp: 449739
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.8 10.2
 80 8.3 7.1 10.7

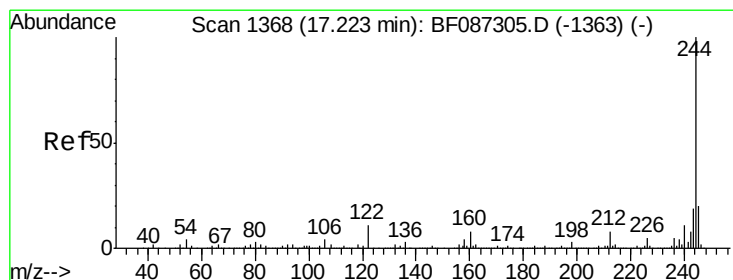
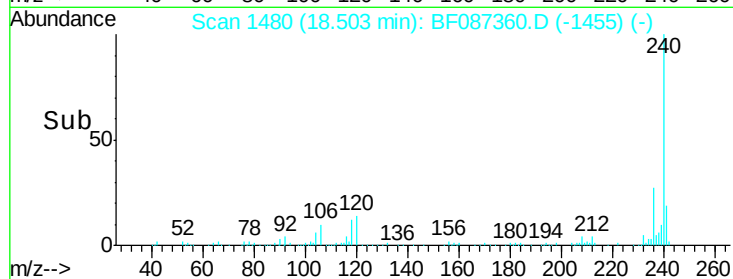
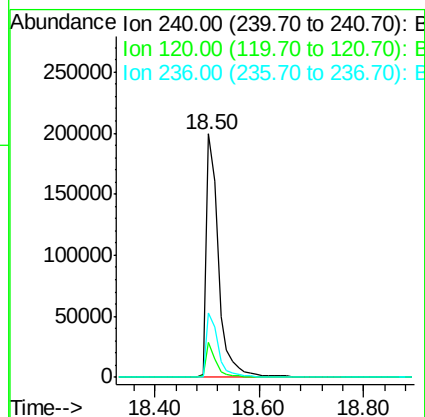
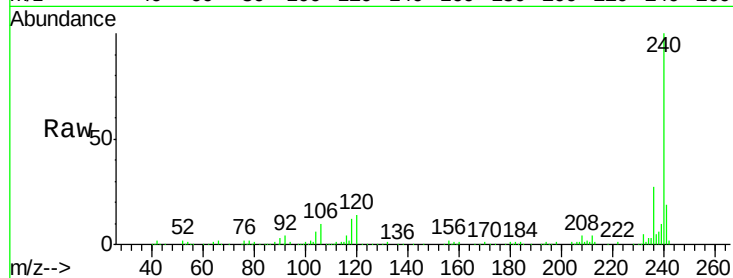




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.50 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF087360.D
 Acq: 25 May 2016 3:37

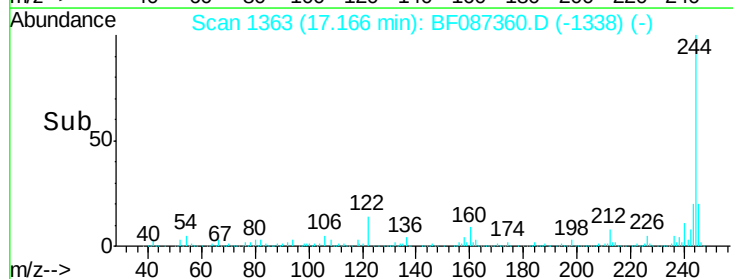
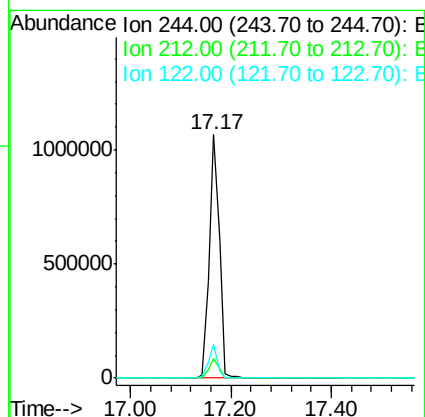
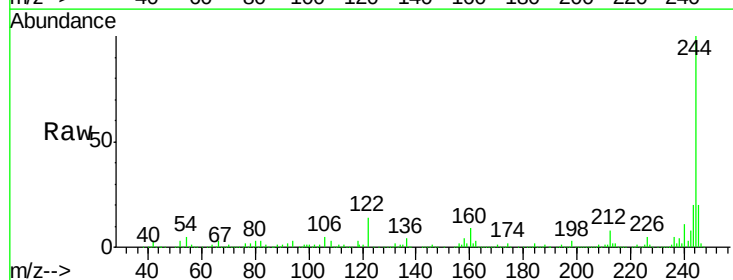
Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

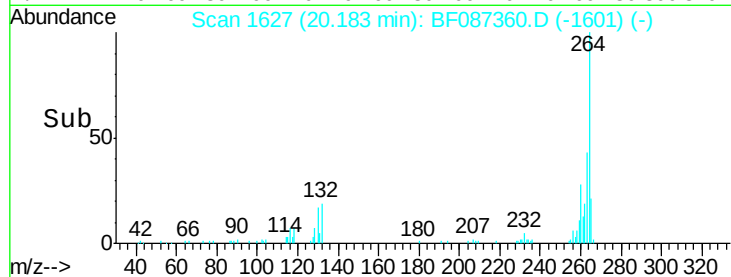
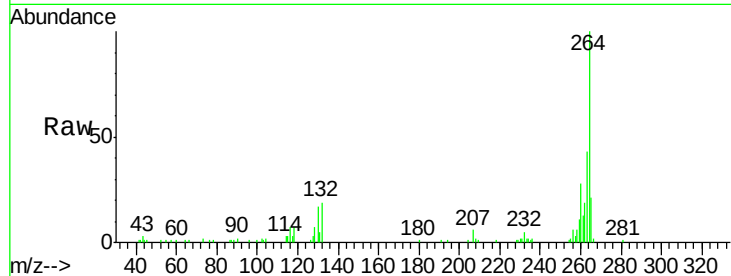
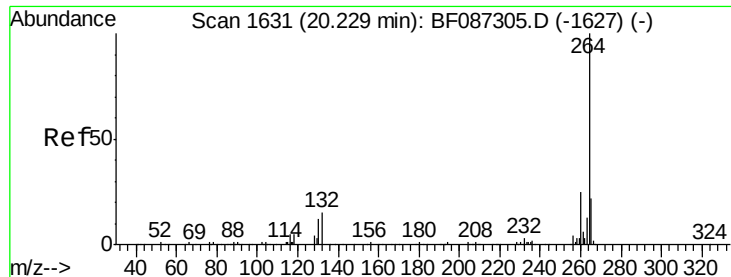
Tgt Ion:240 Resp: 325676
 Ion Ratio Lower Upper
 240 100
 120 14.3 11.2 16.8
 236 26.7 21.2 31.8



#78
 Terphenyl-d14
 Concen: 96.69 ng
 RT: 17.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BF087360.D
 Acq: 25 May 2016 3:37

Tgt Ion:244 Resp: 1481209
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 13.6 12.0 18.0





#86

Perylene-d12

Concen: 20.00 ng

RT: 20.18 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BF087360.D

Acq: 25 May 2016 3:37

Instrument :

BNA_F

ClientSampleId :

TA-1315-(0-4)

Tgt Ion:264 Resp: 68124

Ion Ratio Lower Upper

264 100

260 28.0 19.5 29.3

265 21.0 17.3 25.9

