

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087056.D
 Acq On : 15 May 2016 8:43
 Operator : UM/SJ
 Sample : H3053-05
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Quant Time: May 16 04:55:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	147469	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	585409	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	296907	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	514406	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	333542	20.00	ng	-0.09
86) Perylene-d12	15.11	264	334815	20.00	ng	-0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	627970	72.12	ng	-0.08
7) Phenol-d6	6.28	99	476599	40.95	ng	-0.08
23) Nitrobenzene-d5	7.19	82	1005200	86.22	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	383698	122.07	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1733514	98.13	ng	-0.08
78) Terphenyl-d14	12.71	244	1252781	79.69	ng	-0.09

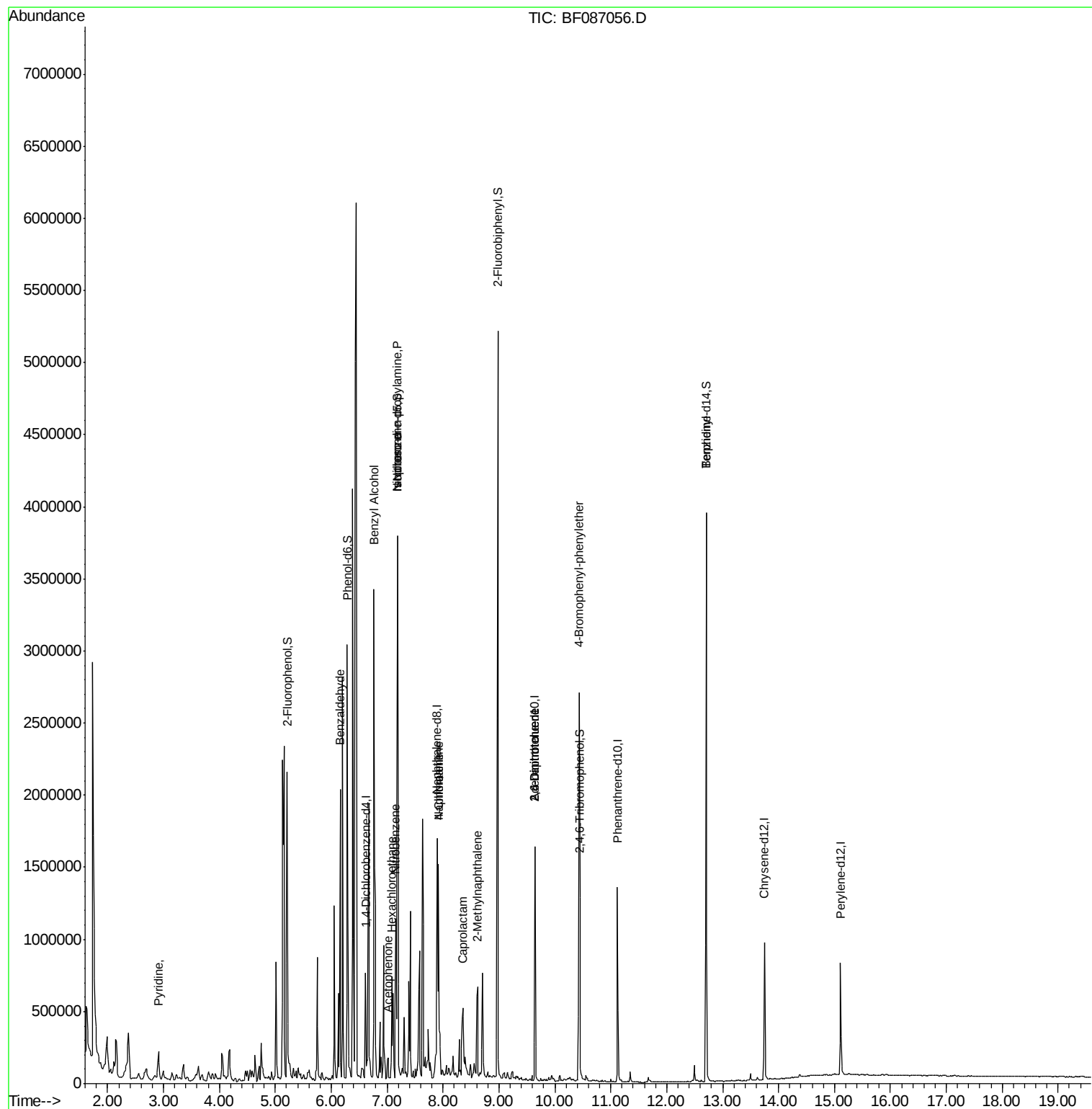
Target Compounds						Qvalue
3) Pyridine	2.91	79	31905	3.05	ng	# 49
9) Benzaldehyde	6.16	77	113994	16.92	ng	# 1
15) Benzyl Alcohol	6.76	79	19388	2.41	ng	# 42
18) Hexachloroethane	7.08	117	34729	7.96	ng	# 1
19) n-Nitroso-di-n-propylamine	7.19	70	149669	18.40	ng	# 74
22) Acetophenone	7.02	105	82872	5.99	ng	# 51
24) Nitrobenzene	7.15	77	63841	5.32	ng	# 14
25) Isophorone	7.19	82	981225	45.36	ng	# 68
31) Naphthalene	7.92	128	506907	17.29	ng	# 97
33) 4-Chloroaniline	7.92	127	80373	7.05	ng	# 36
35) Caprolactam	8.35	113	70483	26.21	ng	# 50
37) 2-Methylnaphthalene	8.62	142	233882	13.64	ng	# 98
50) 2,6-Dinitrotoluene	9.64	165	38286	8.03	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	38288	6.49	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	21659	4.15	ng	# 1
76) Benzidine	12.71	184	20050	2.36	ng	# 99

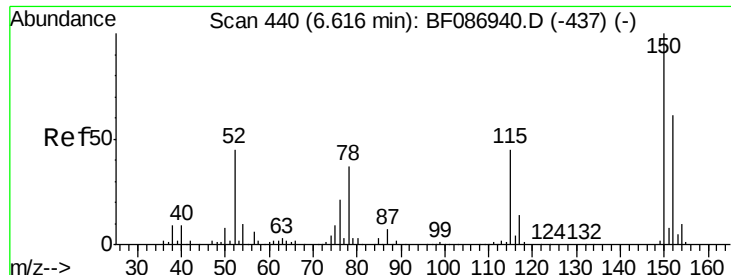
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 14:55:23 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

Instrument :

BNA_F

ClientSampleId :

W-18

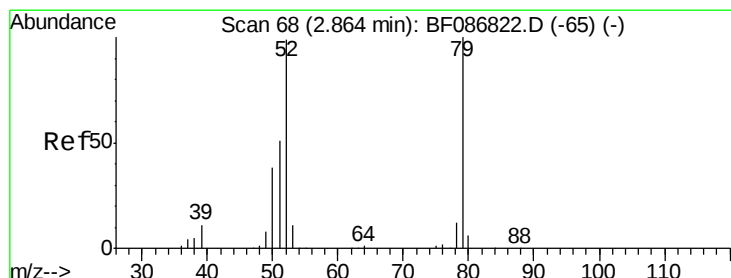
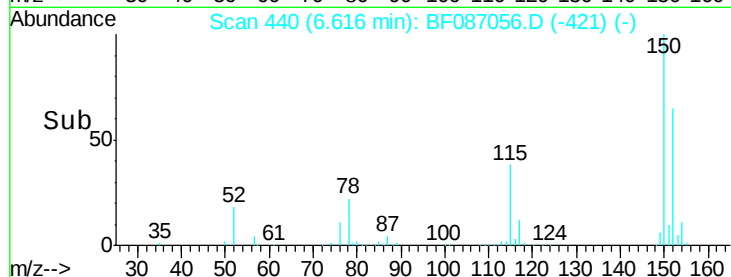
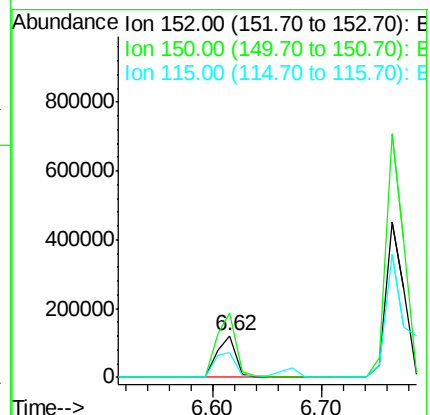
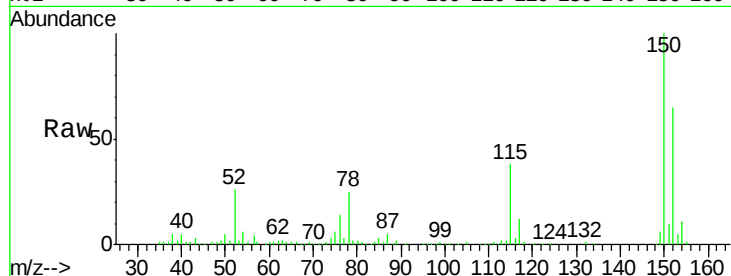
Tgt Ion:152 Resp: 147469

Ion Ratio Lower Upper

152 100

150 153.2 125.8 188.6

115 58.4 51.5 77.3



#3

Pyridine

Concen: 3.05 ng

RT: 2.91 min Scan# 116

Delta R.T. 0.05 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

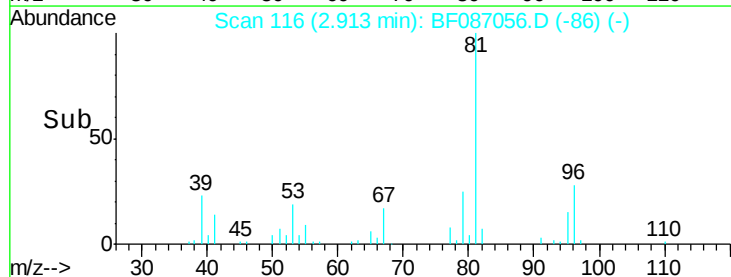
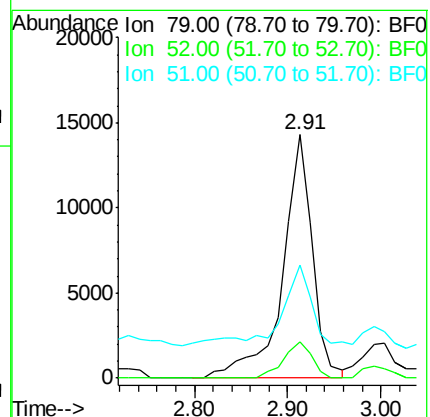
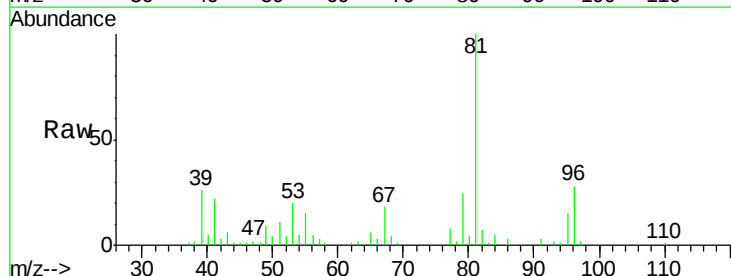
Tgt Ion: 79 Resp: 31905

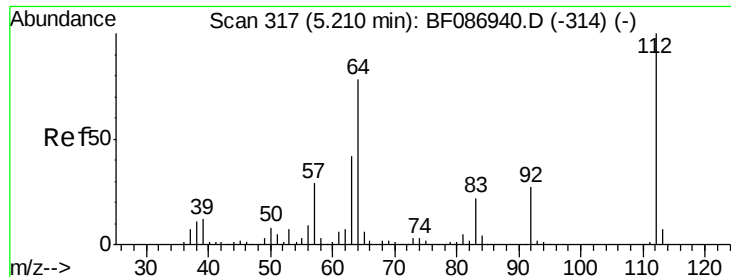
Ion Ratio Lower Upper

79 100

52 14.9 55.9 83.9#

51 46.7 28.1 42.1#





#5

2-Fluorophenol

Concen: 72.12 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

Instrument :

BNA_F

ClientSampled :

W-18

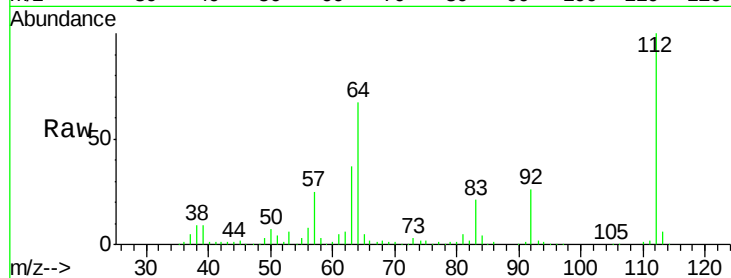
Tgt Ion: 112 Resp: 627970

Ion Ratio Lower Upper

112 100

64 66.7 52.1 78.1

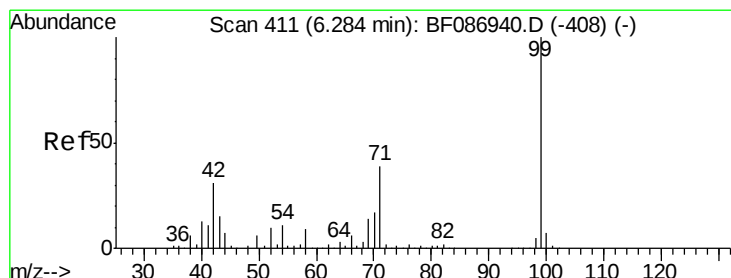
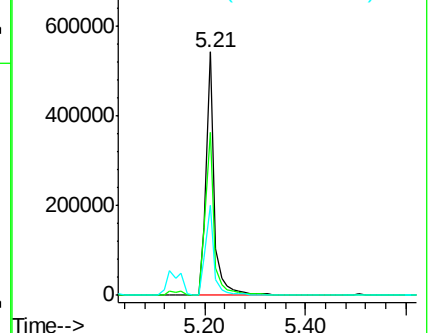
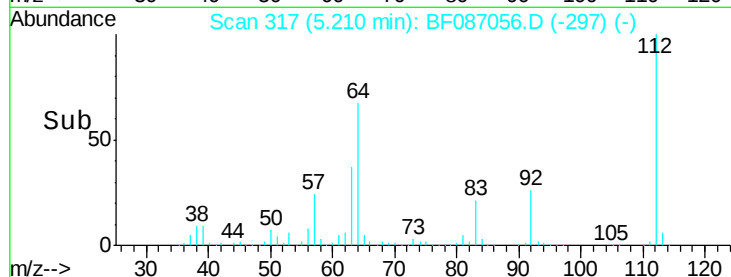
63 36.8 25.7 38.5



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: 40.95 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

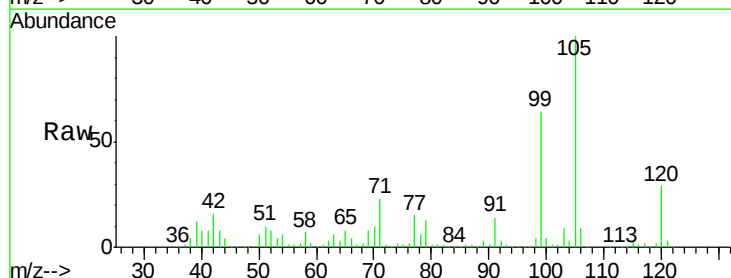
Tgt Ion: 99 Resp: 476599

Ion Ratio Lower Upper

99 100

42 24.5 13.6 20.4#

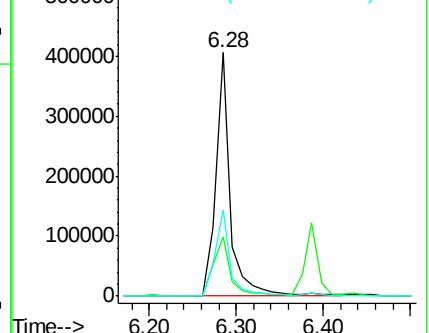
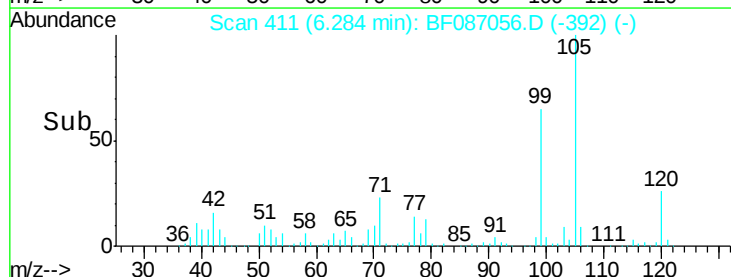
71 35.4 24.6 36.8

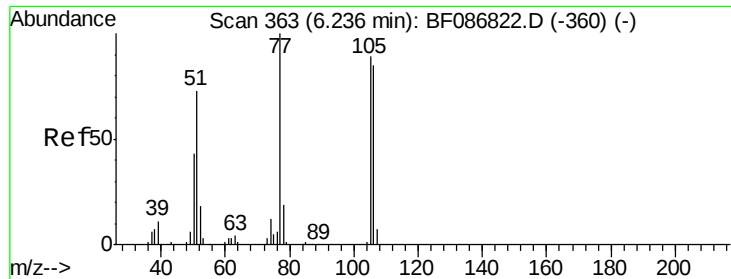


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 16.92 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.08 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

Instrument :

BNA_F

ClientSampleId :

W-18

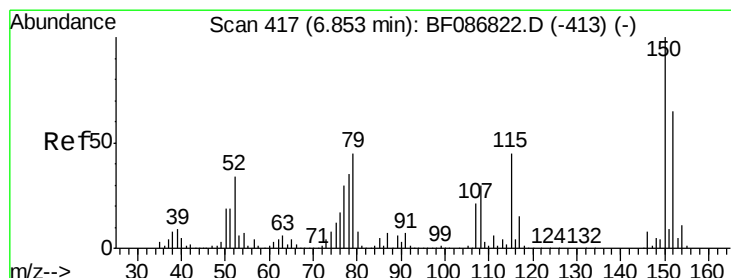
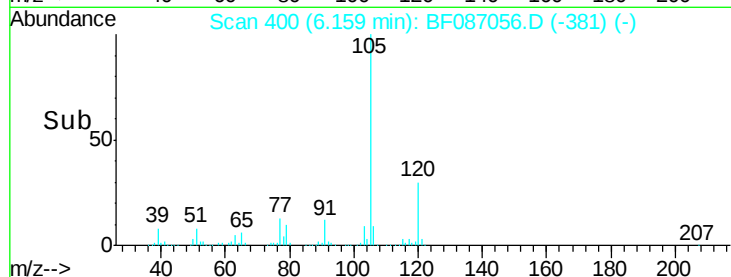
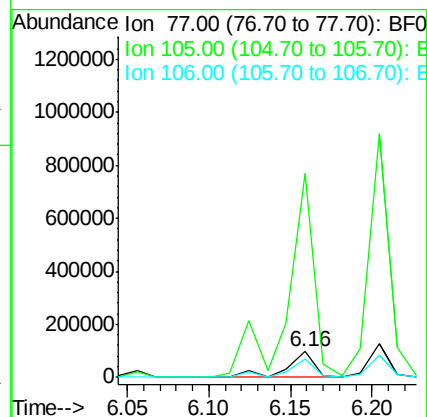
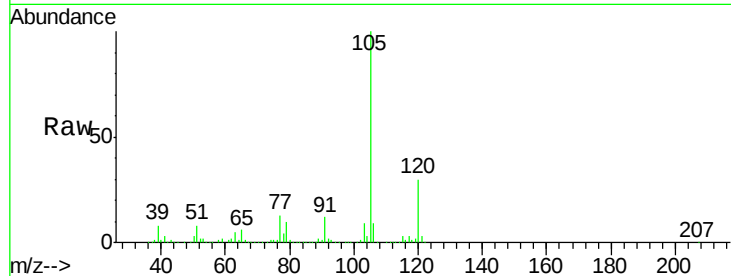
Tgt Ion: 77 Resp: 113994

Ion Ratio Lower Upper

77 100

105 787.5 72.7 112.7#

106 68.5 70.8 110.8#



#15

Benzyl Alcohol

Concen: 2.41 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

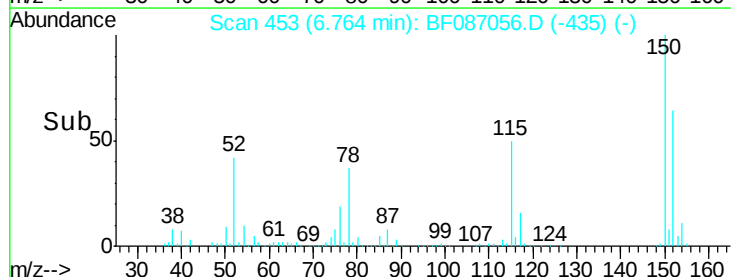
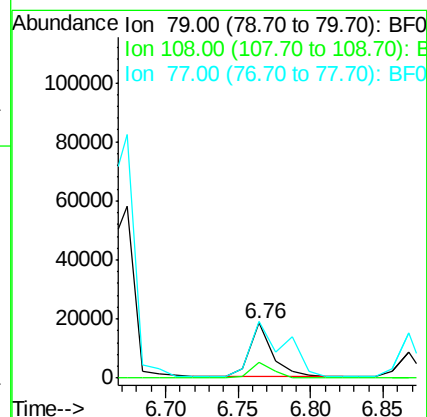
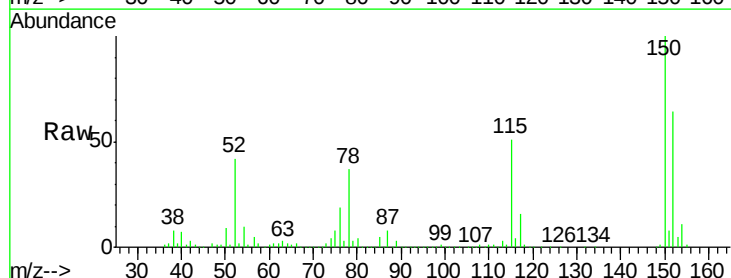
Tgt Ion: 79 Resp: 19388

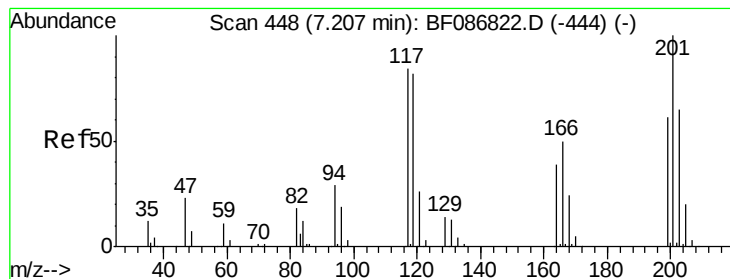
Ion Ratio Lower Upper

79 100

108 28.8 68.4 102.6#

77 103.9 50.6 76.0#





#18

Hexachloroethane

Concen: 7.96 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.12 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

Instrument :

BNA_F

ClientSampleId :

W-18

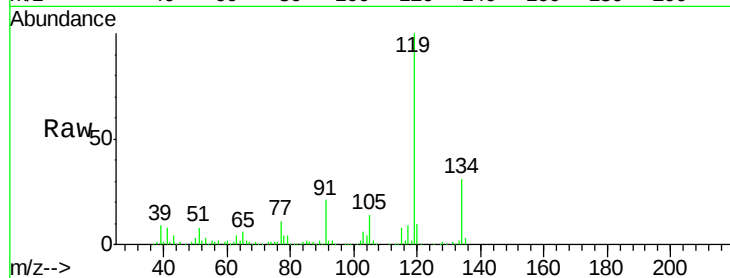
Tgt Ion: 117 Resp: 34729

Ion Ratio Lower Upper

117 100

119 1089.8 76.5 114.7#

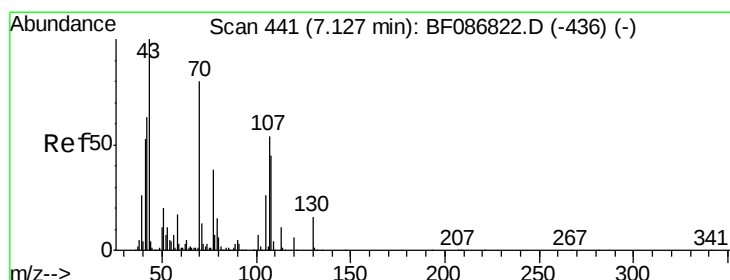
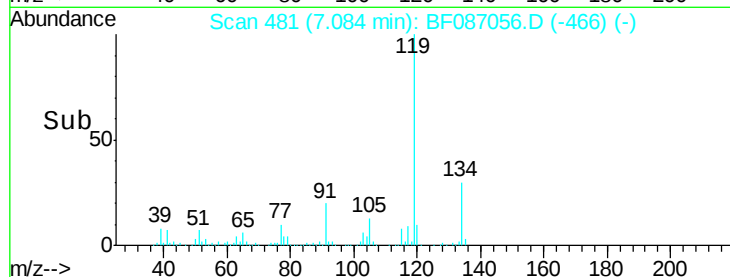
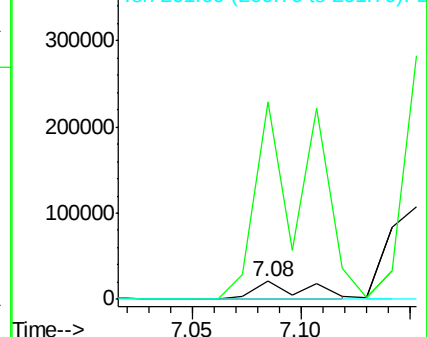
201 0.0 63.0 94.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 18.40 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

Tgt Ion: 70 Resp: 149669

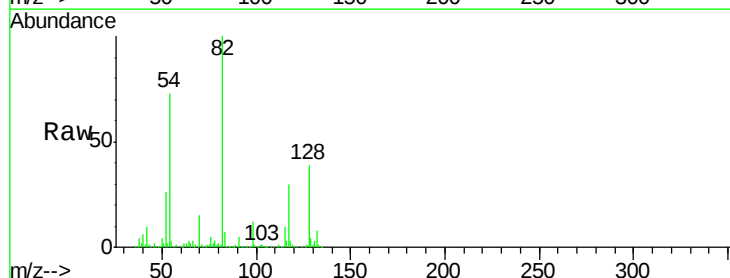
Ion Ratio Lower Upper

70 100

42 67.9 43.1 64.7#

101 1.0 8.1 12.1#

130 3.5 18.6 28.0#

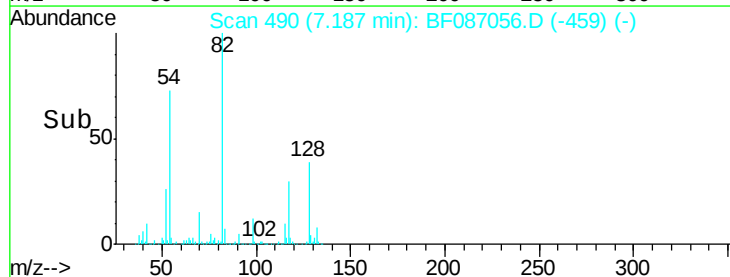
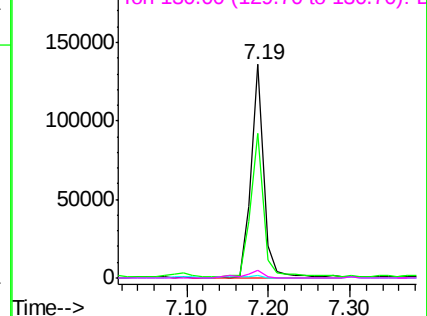


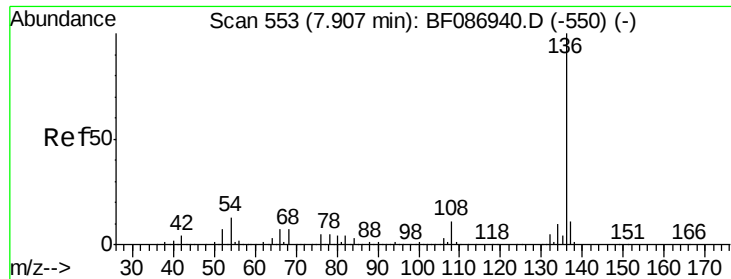
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

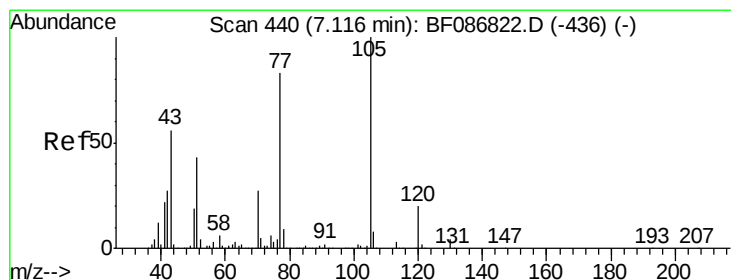
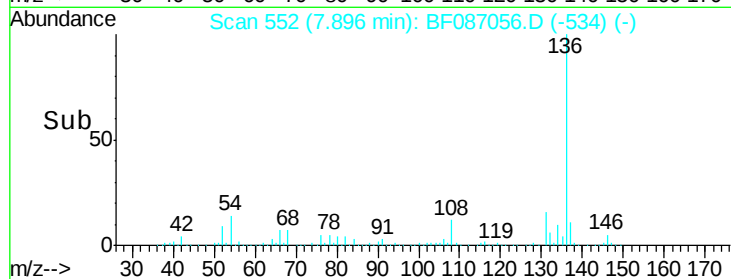
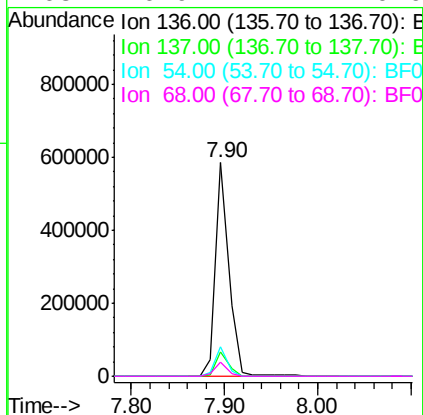
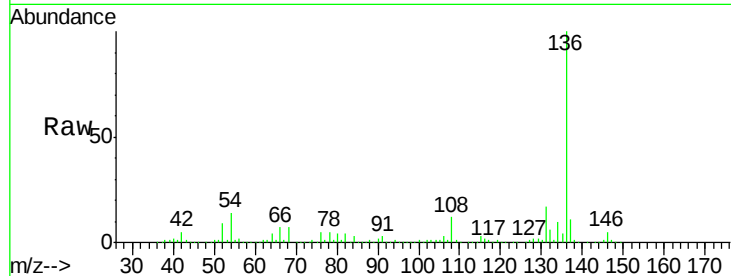




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087056.D
Acq: 15 May 2016 8:43

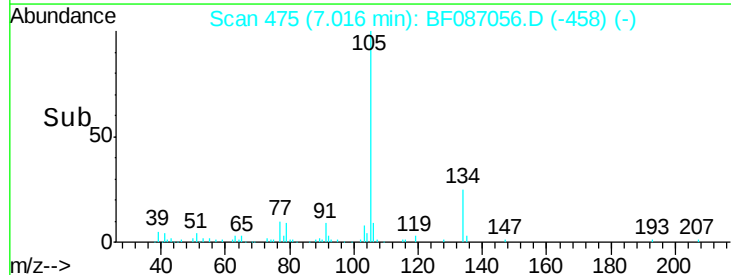
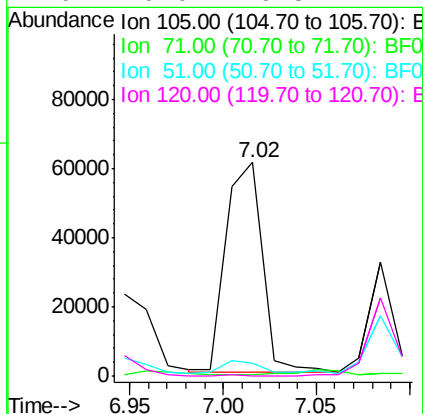
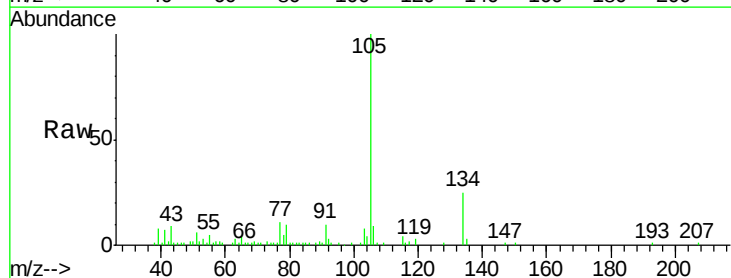
Instrument :
BNA_F
ClientSampleId :
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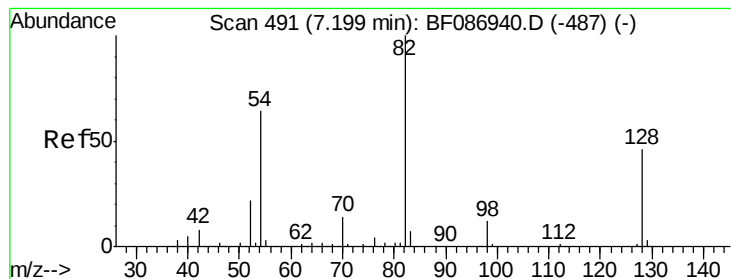
Tgt Ion:	136	Resp:	585409
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	13.8	5.0	7.4#
68	6.9	4.4	6.6#



#22
Acetophenone
Concen: 5.99 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.10 min
Lab File: BF087056.D
Acq: 15 May 2016 8:43

Tgt Ion:	105	Resp:	82872
Ion	Ratio	Lower	Upper
105	100		
71	0.9	4.8	7.2#
51	5.9	32.6	49.0#
120	0.0	16.5	24.7#





#23

Nitrobenzene-d5

Concen: 86.22 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

Instrument :

BNA_F

ClientSampleId :

W-18

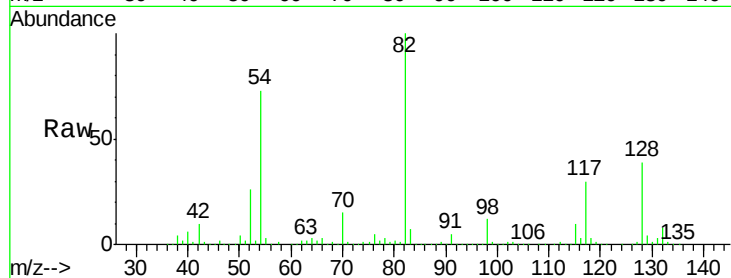
Tgt Ion: 82 Resp: 1005200

Ion Ratio Lower Upper

82 100

128 38.6 40.6 61.0#

54 73.3 38.1 57.1#



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

7.19

1200000

1000000

800000

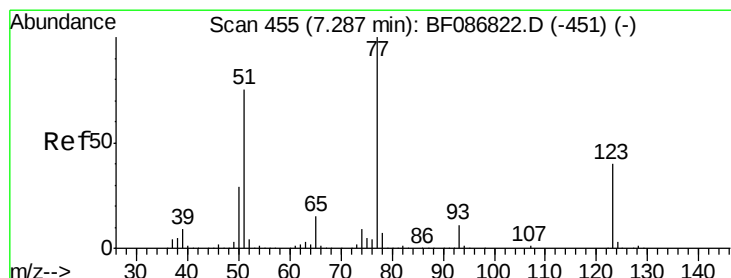
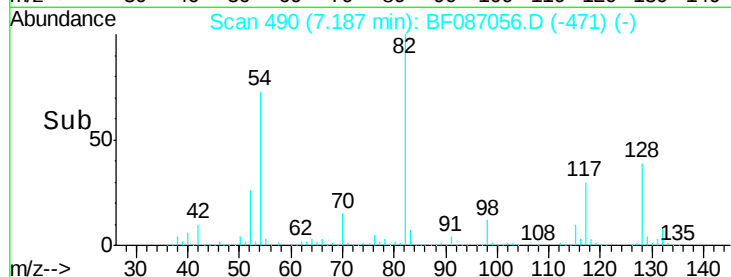
600000

400000

200000

0

Time-->



#24

Nitrobenzene

Concen: 5.32 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.13 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

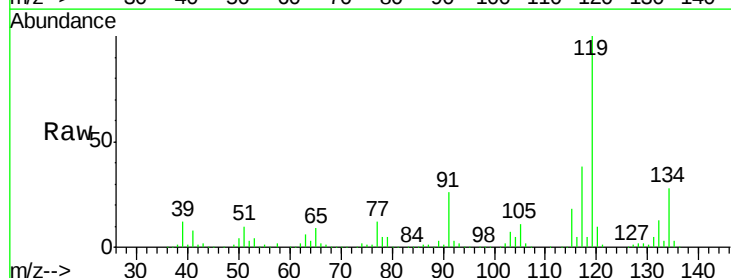
Tgt Ion: 77 Resp: 63841

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.4#

65 72.3 10.8 16.2#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

7.15

40000

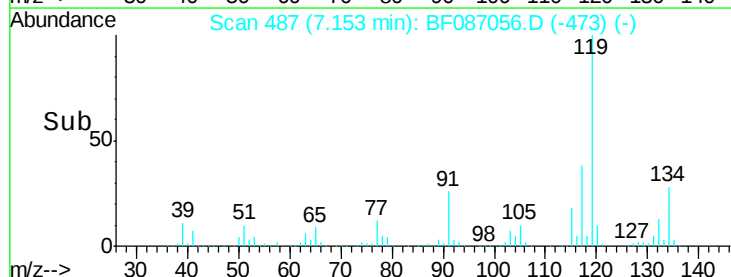
30000

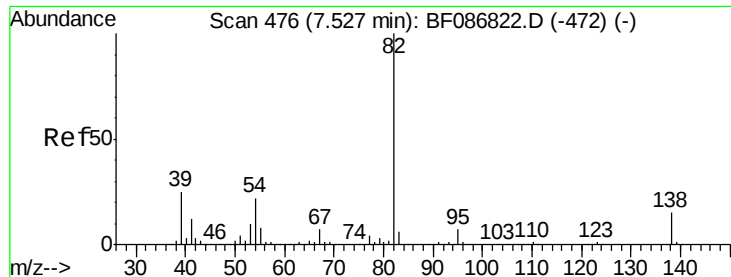
20000

10000

0

Time-->





#25

Isophorone

Concen: 45.36 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

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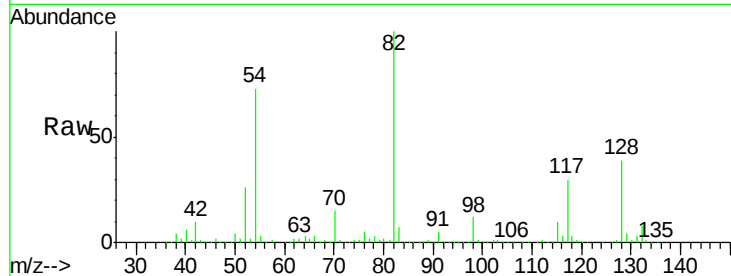
Tgt Ion: 82 Resp: 981225

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#

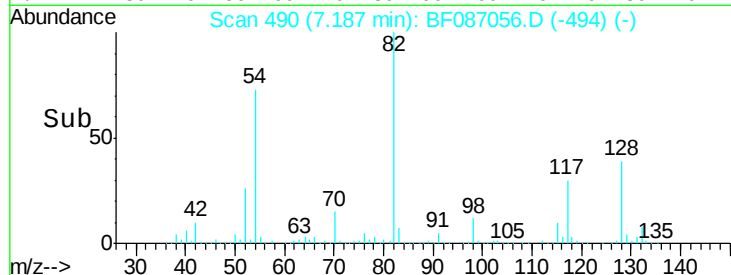


Abundance Ion 82.00 (81.70 to 82.70): BF086822.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BF086822.D (-472) (-)

Ion 138.00 (137.70 to 138.70): BF086822.D (-472) (-)

Time-->



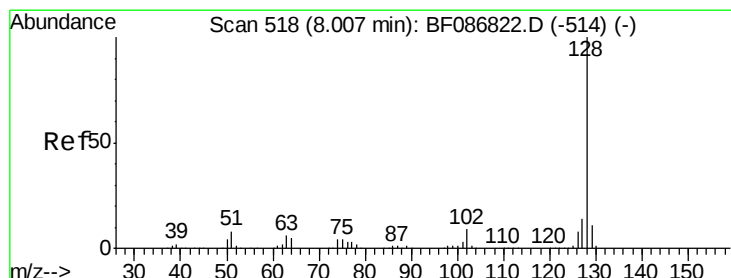
Abundance

Ion 82.00 (81.70 to 82.70): BF086822.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BF086822.D (-472) (-)

Ion 138.00 (137.70 to 138.70): BF086822.D (-472) (-)

Time-->



#31

Naphthalene

Concen: 17.29 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.09 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

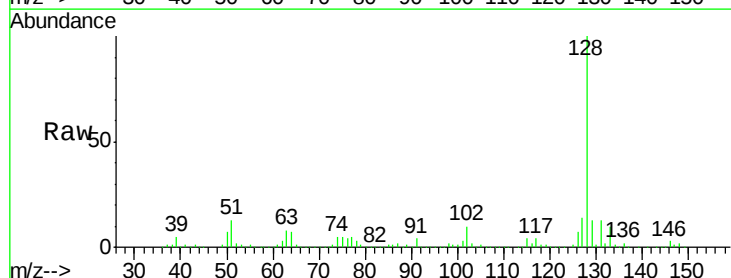
Tgt Ion: 128 Resp: 506907

Ion Ratio Lower Upper

128 100

129 12.7 8.6 13.0

127 13.7 10.8 16.2

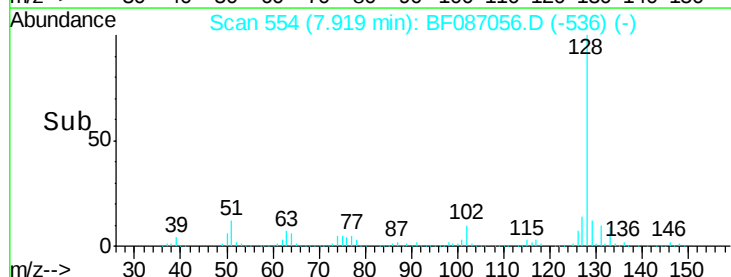


Abundance Ion 128.00 (127.70 to 128.70): BF086822.D (-514) (-)

Ion 129.00 (128.70 to 129.70): BF086822.D (-514) (-)

Ion 127.00 (126.70 to 127.70): BF086822.D (-514) (-)

Time-->



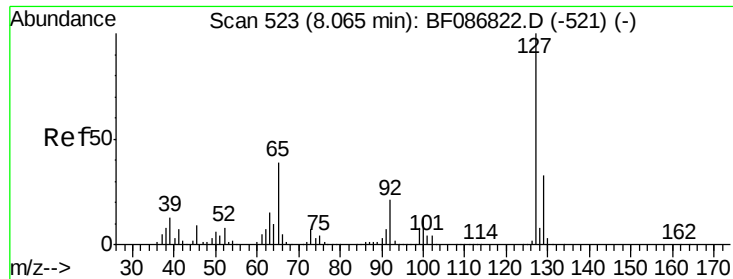
Abundance

Ion 128.00 (127.70 to 128.70): BF086822.D (-514) (-)

Ion 129.00 (128.70 to 129.70): BF086822.D (-514) (-)

Ion 127.00 (126.70 to 127.70): BF086822.D (-514) (-)

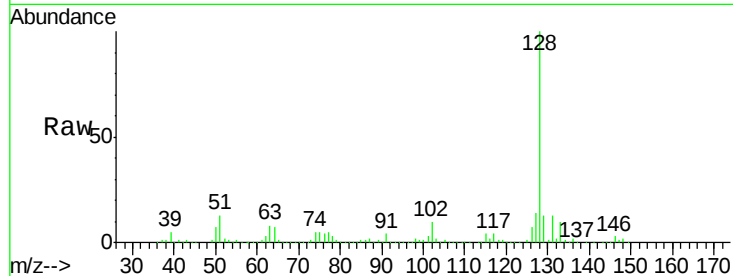
Time-->



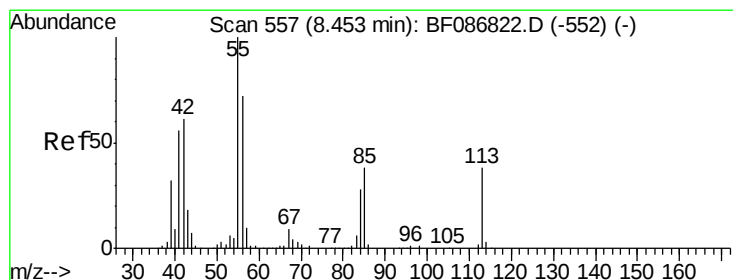
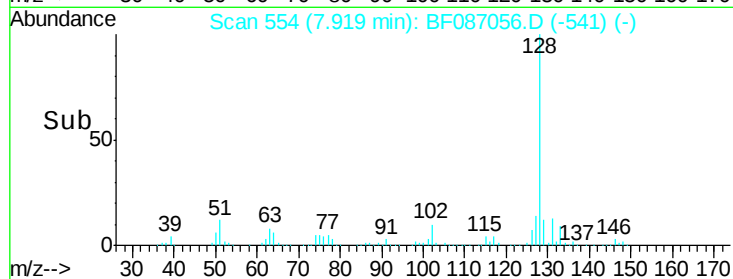
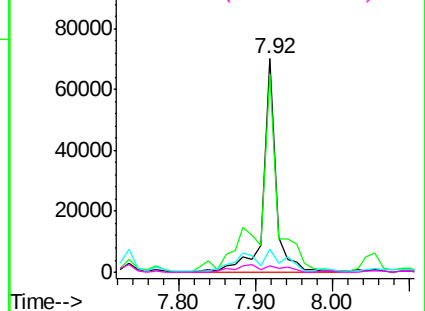
#33
4-Chloroaniline
Concen: 7.05 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.15 min
Lab File: BF087056.D
Acq: 15 May 2016 8:43

Instrument :
BNA_F
ClientSampleId :
W-18

Tgt Ion:127 Resp: 80373
Ion Ratio Lower Upper
127 100
129 92.7 26.2 39.4#
65 10.5 23.0 34.4#
92 2.9 15.1 22.7#

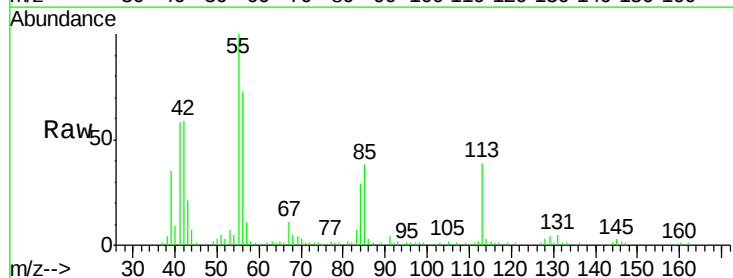


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

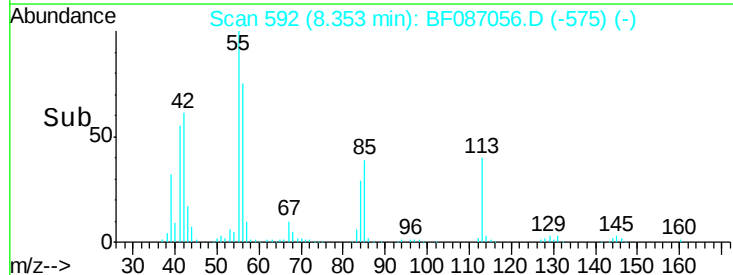
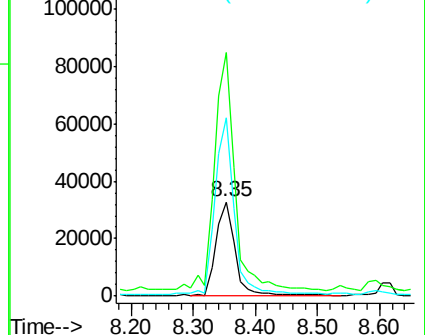


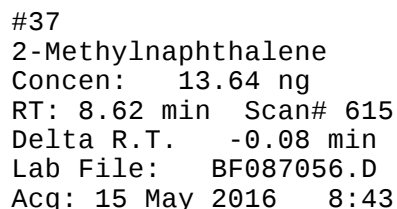
#35
Caprolactam
Concen: 26.21 ng
RT: 8.35 min Scan# 592
Delta R.T. -0.10 min
Lab File: BF087056.D
Acq: 15 May 2016 8:43

Tgt Ion:113 Resp: 70483
Ion Ratio Lower Upper
113 100
55 258.0 162.0 202.0#
56 188.6 115.3 155.3#



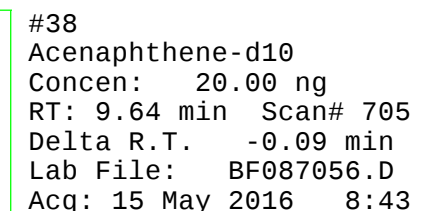
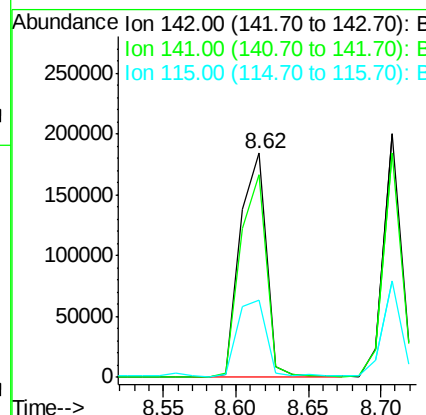
Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0



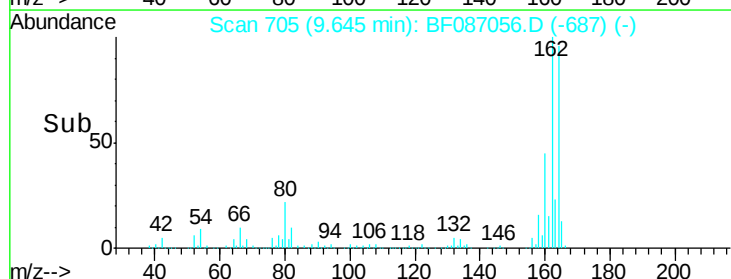
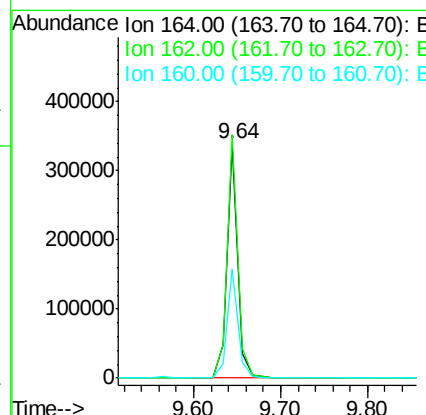


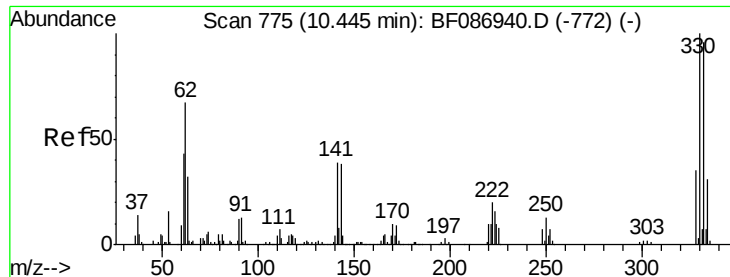
Instrument :
BNA_F
ClientSampleId :
W-18

Tgt	Ion:142	Resp:	233882
Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.0	106.6
115	34.6	26.6	39.8



Tgt	Ion:164	Resp:	296907
Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.8	124.2
160	47.0	36.9	55.3

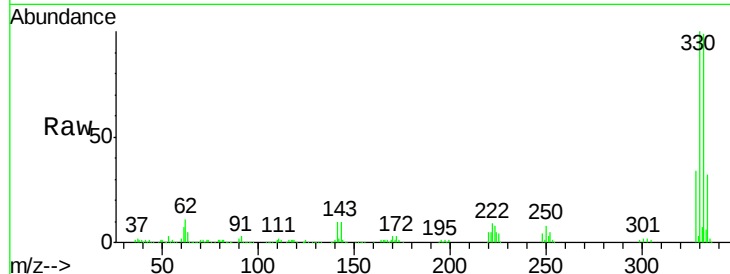




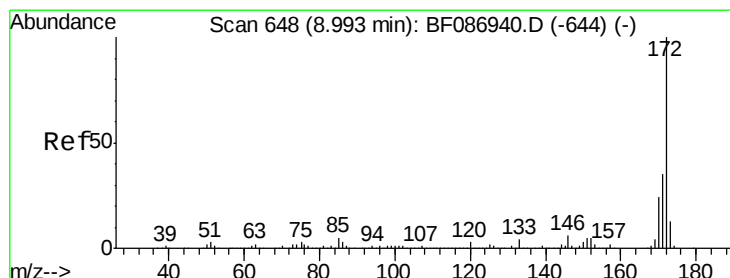
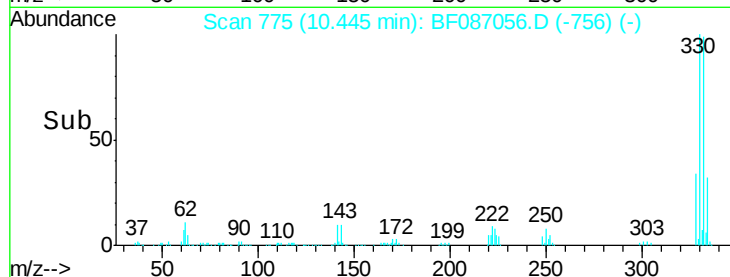
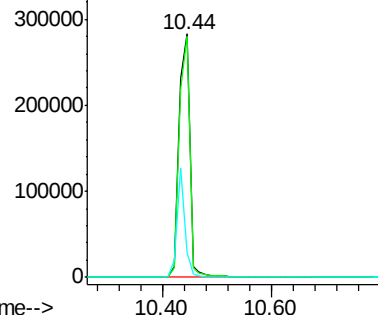
#41
 2,4,6-Tribromophenol
 Concen: 122.07 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087056.D
 Acq: 15 May 2016 8:43

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Tgt Ion:330 Resp: 383698
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.0 118.4
 141 33.7 31.2 46.8

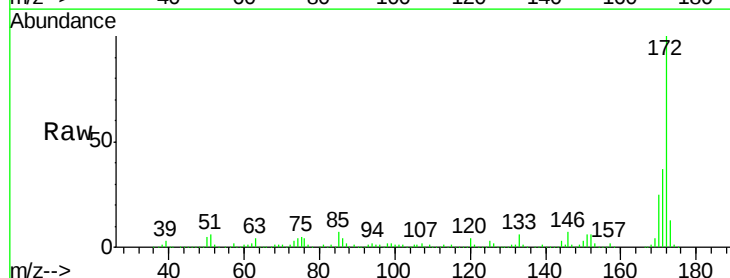


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

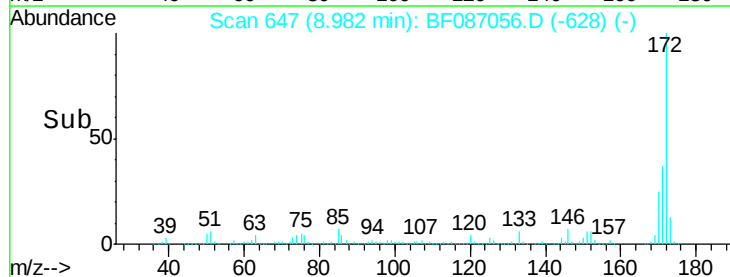
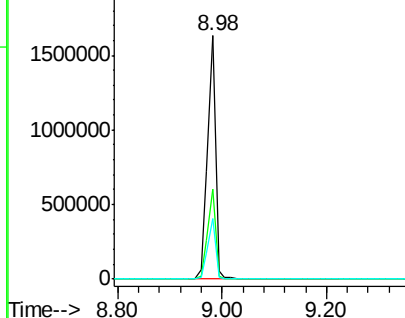


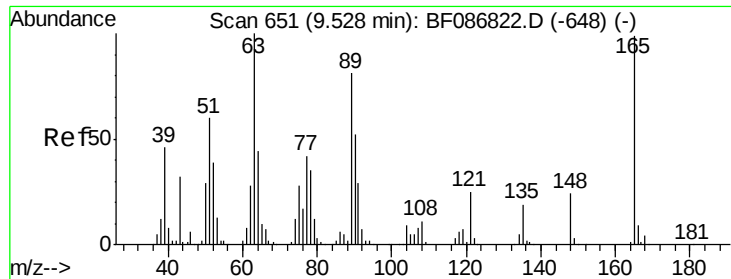
#44
 2-Fluorobiphenyl
 Concen: 98.13 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087056.D
 Acq: 15 May 2016 8:43

Tgt Ion:172 Resp: 1733514
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.0 43.6
 170 24.8 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

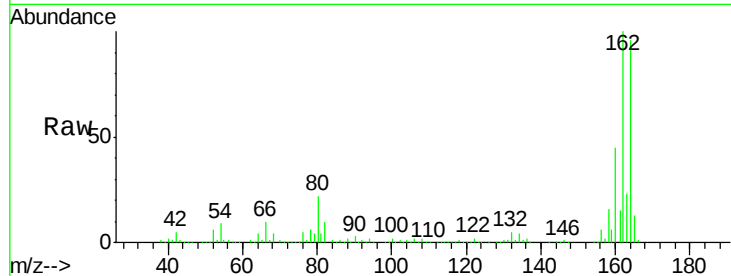




#50
 2,6-Dinitrotoluene
 Concen: 8.03 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.12 min
 Lab File: BF087056.D
 Acq: 15 May 2016 8:43

Instrument :
 BNA_F
 ClientSampleId :
 W-18

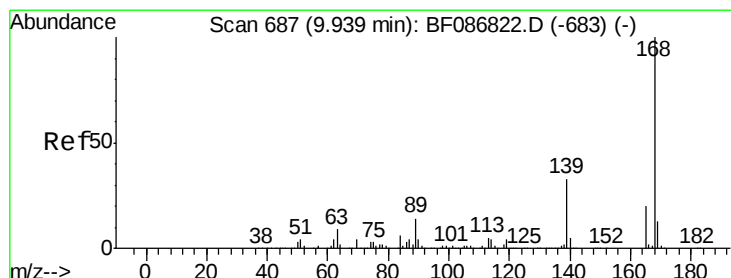
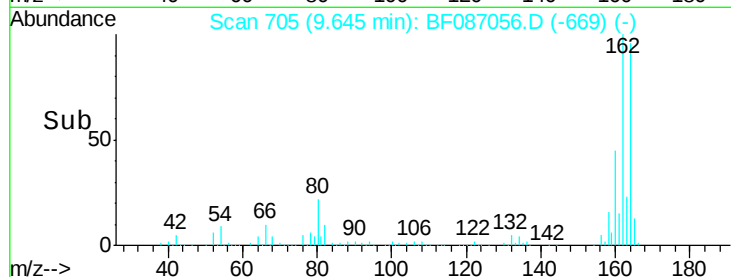
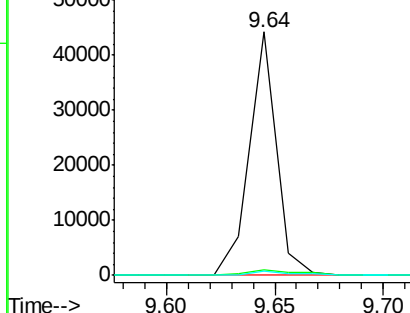
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	51.8	77.8#
89	1.9	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

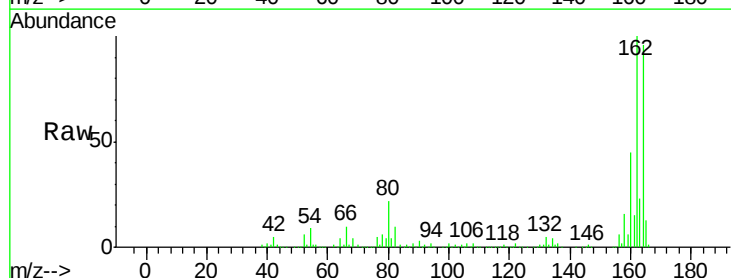
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.49 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087056.D
 Acq: 15 May 2016 8:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	44.3	66.5#
89	1.9	70.0	105.0#
182	0.0	1.8	2.6#

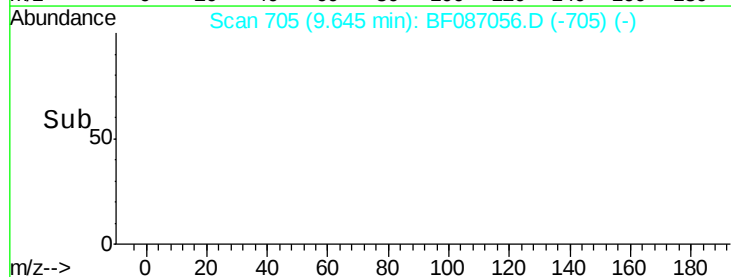
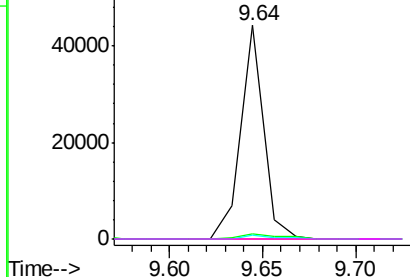


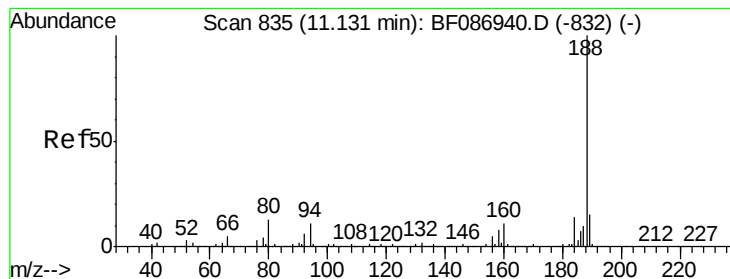
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

Instrument :

BNA_F

ClientSampleId :

W-18

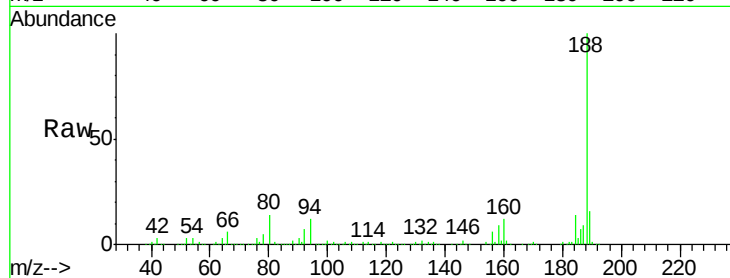
Tgt Ion:188 Resp: 514406

Ion Ratio Lower Upper

188 100

94 12.4 6.8 10.2#

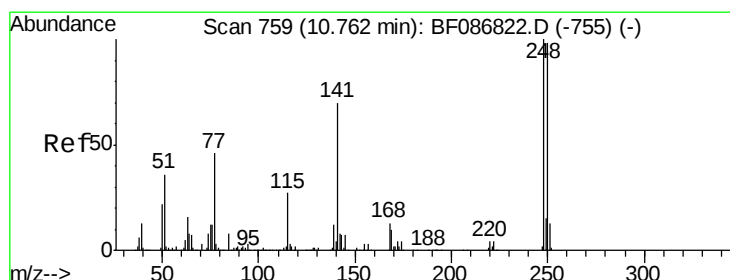
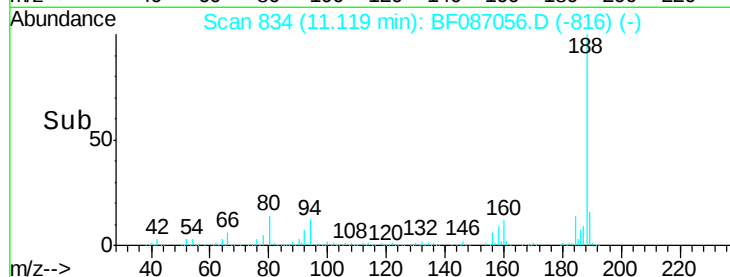
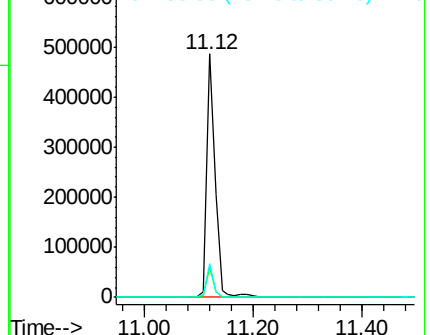
80 14.0 7.1 10.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 4.15 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

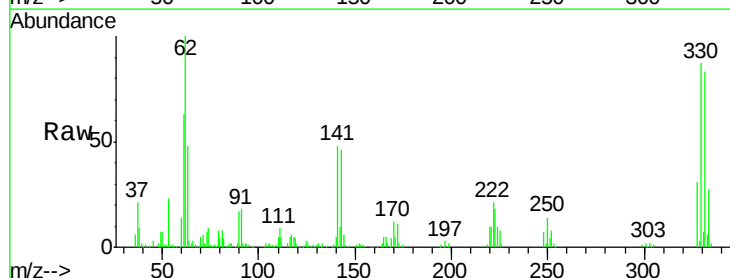
Tgt Ion:248 Resp: 21659

Ion Ratio Lower Upper

248 100

250 200.0 78.6 117.8#

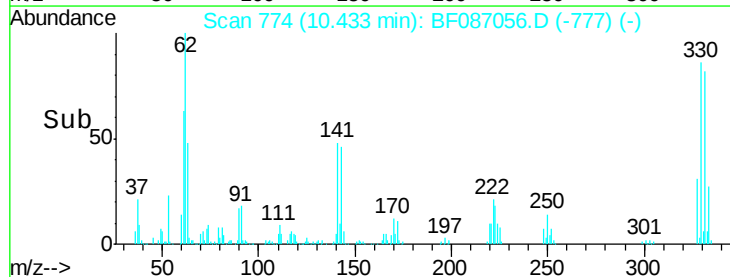
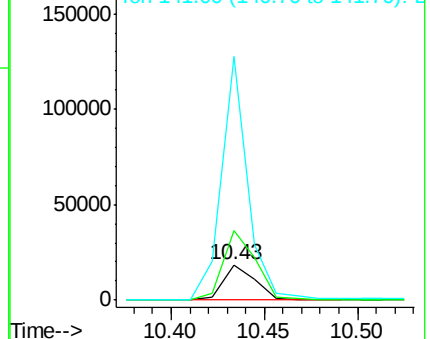
141 696.5 76.0 114.0#

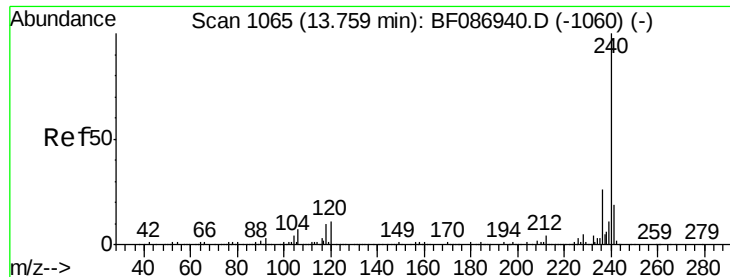


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

Instrument :

BNA_F

ClientSampleId :

W-18

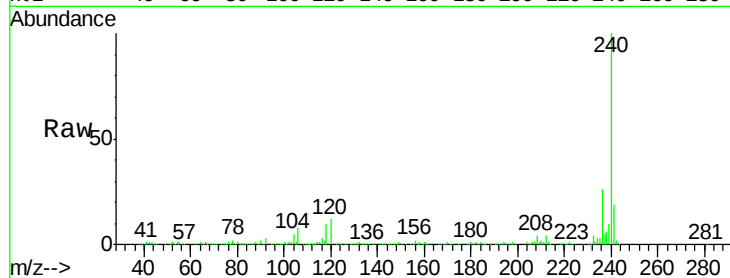
Tgt Ion:240 Resp: 333542

Ion Ratio Lower Upper

240 100

120 11.5 11.2 16.8

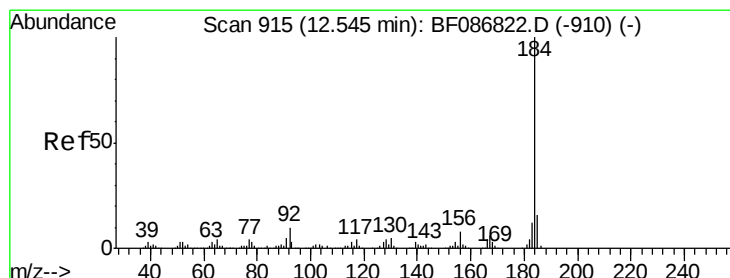
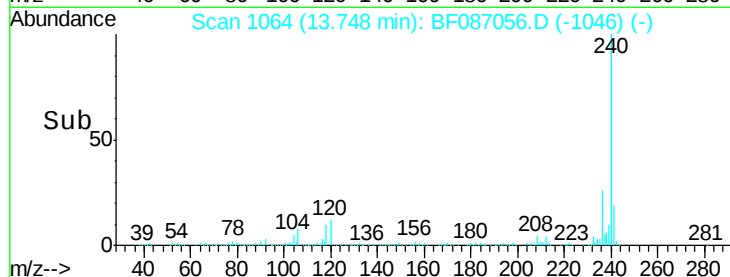
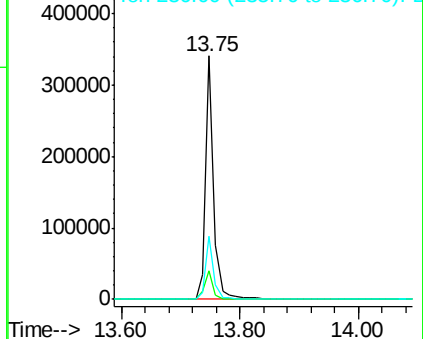
236 26.0 21.2 31.8



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



#76

Benzidine

Concen: 2.36 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087056.D

Acq: 15 May 2016 8:43

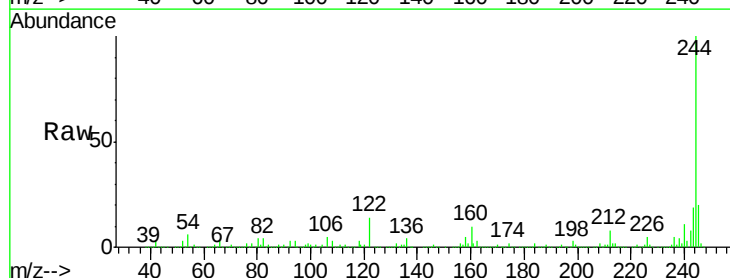
Tgt Ion:184 Resp: 20050

Ion Ratio Lower Upper

184 100

185 17.1 13.6 20.4

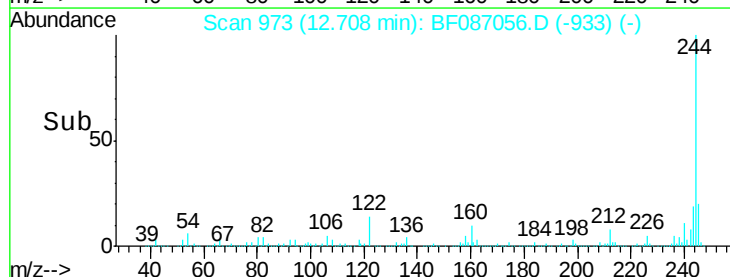
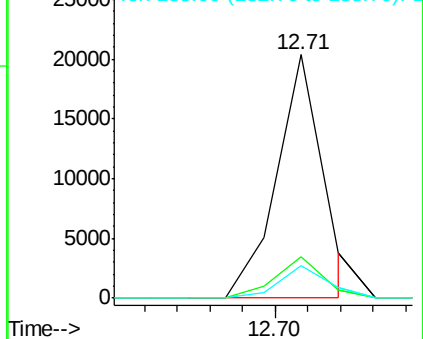
183 13.3 9.8 14.6

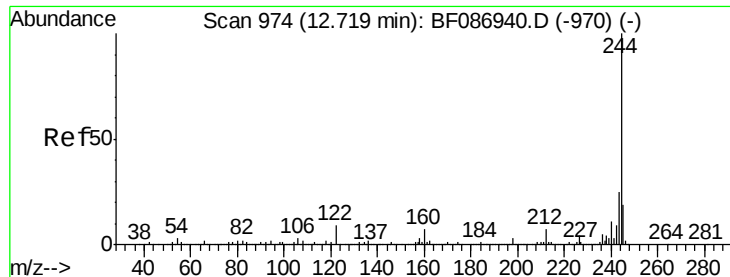


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

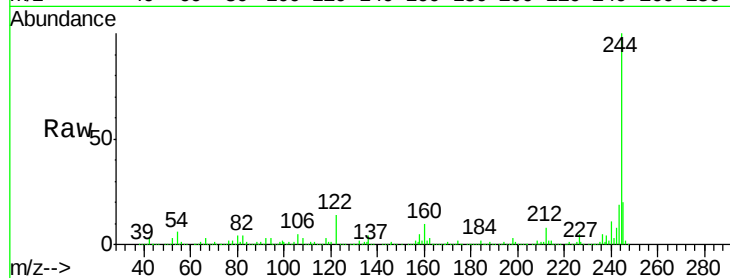




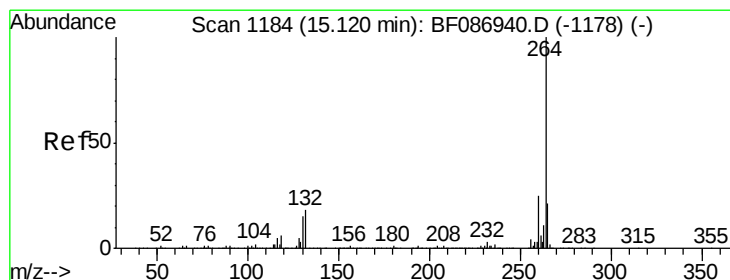
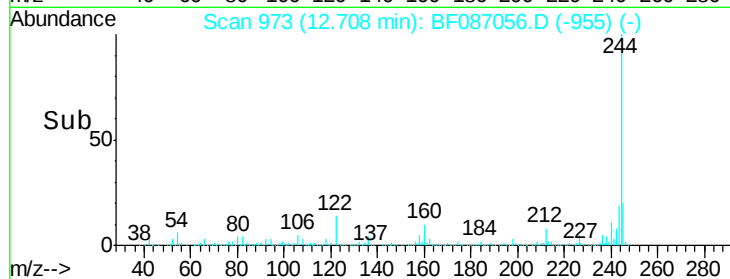
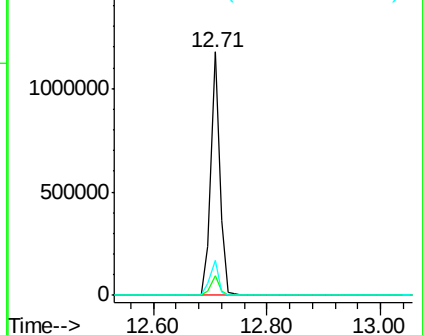
#78
 Terphenyl-d14
 Concen: 79.69 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF087056.D
 Acq: 15 May 2016 8:43

Instrument :
 BNA_F
 ClientSampleId :
 W-18

Tgt Ion:244 Resp: 1252781
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 14.1 12.0 18.0

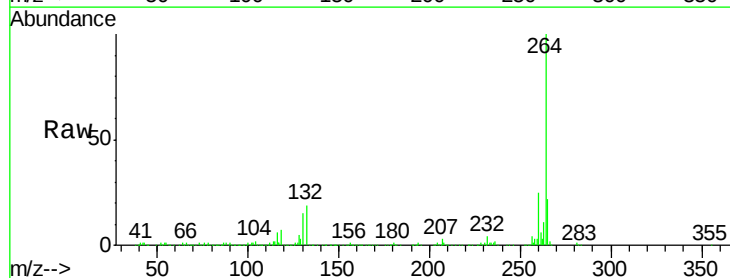


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.10 min
 Lab File: BF087056.D
 Acq: 15 May 2016 8:43

Tgt Ion:264 Resp: 334815
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.5 29.3
 265 22.2 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

