

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040716\
 Data File : BF086142.D
 Acq On : 7 Apr 2016 21:02
 Operator : UM/SJ
 Sample : H2230-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-2-040116

Quant Time: Apr 08 01:43:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

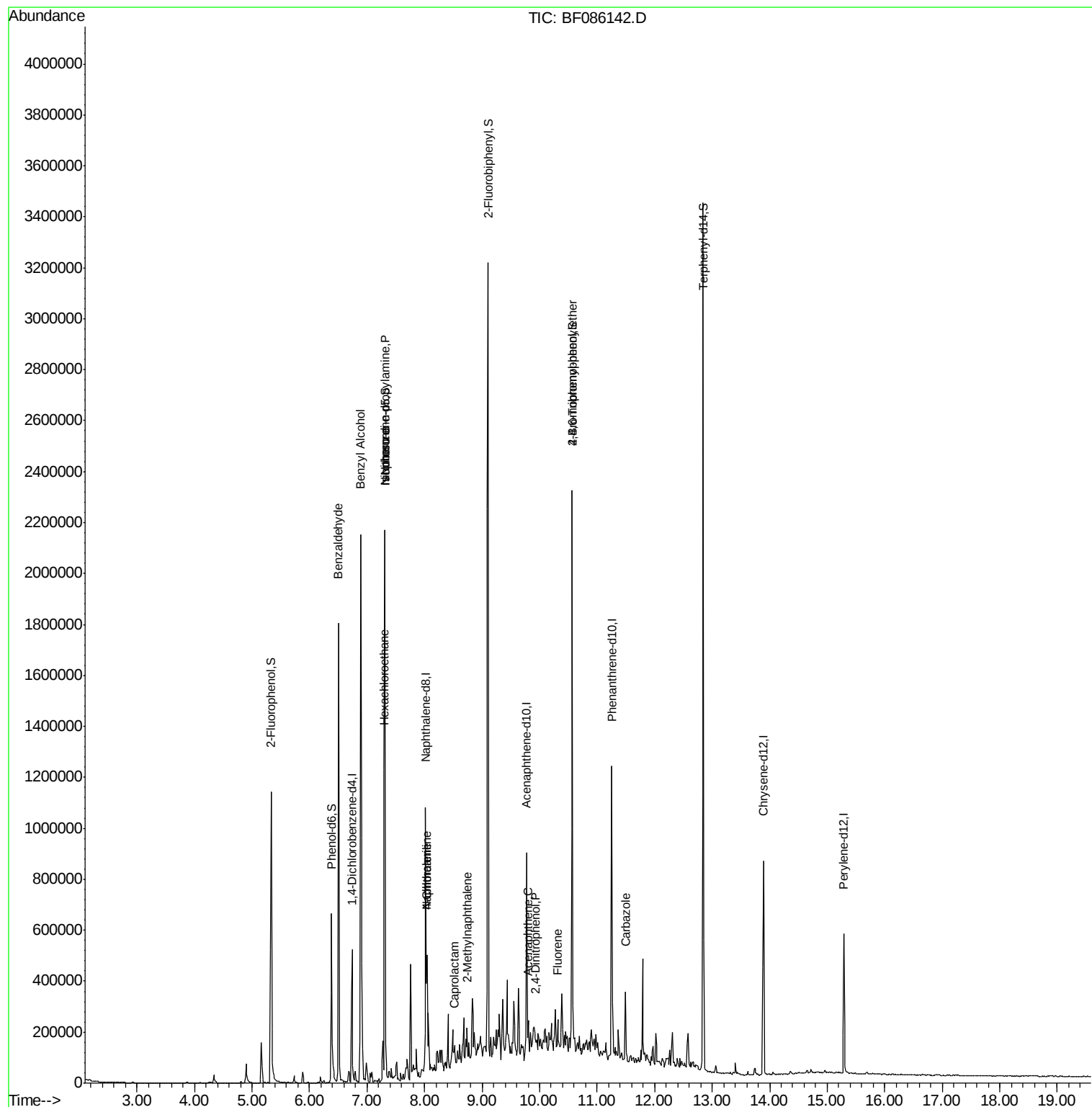
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	109677	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	441625	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	205395	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	391876	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	326539	20.00	ng	-0.03
86) Perylene-d12	15.29	264	222946	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	454025	70.76	ng	-0.03
7) Phenol-d6	6.38	99	347489	42.64	ng	-0.03
23) Nitrobenzene-d5	7.31	82	797589	106.51	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	298713	154.95	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	1331034	107.75	ng	-0.03
78) Terphenyl-d14	12.84	244	1158082	83.37	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	17114	3.90	ng	# 77
15) Benzyl Alcohol	6.89	79	11454	2.17	ng	# 49
18) Hexachloroethane	7.30	117	110615	35.99	ng	# 1
19) n-Nitroso-di-n-propylamine	7.31	70	109380	21.65	ng	# 77
25) Isophorone	7.31	82	782627	52.94	ng	# 68
31) Naphthalene	8.04	128	161269	7.26	ng	98
33) 4-Chloroaniline	8.04	127	30050	3.35	ng	# 32
35) Caprolactam	8.51	113	4849	2.57	ng	# 39
37) 2-Methylnaphthalene	8.74	142	43559	3.00	ng	98
51) Acenaphthene	9.80	154	27922	2.28	ng	100
53) 2,4-Dinitrophenol	9.93	184	1210	3.00	ng	# 1
57) Fluorene	10.32	166	27611	2.00	ng	# 94
66) 4-Bromophenyl-phenylether	10.57	248	20375	5.09	ng	# 1
72) Carbazole	11.49	167	100013	5.20	ng	99

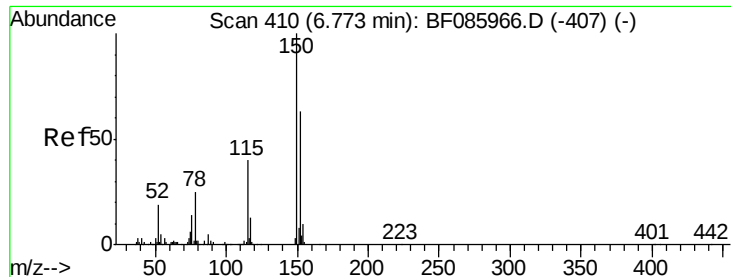
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

Instrument :

BNA_F

ClientSampleId :

RW-2-040116

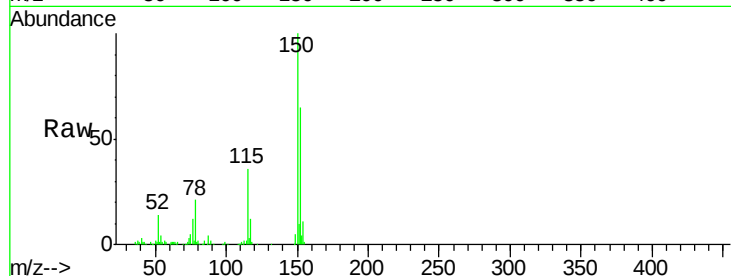
Tgt Ion:152 Resp: 109677

Ion Ratio Lower Upper

152 100

150 153.1 124.2 186.2

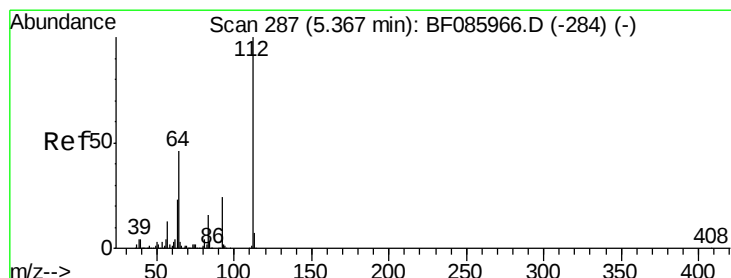
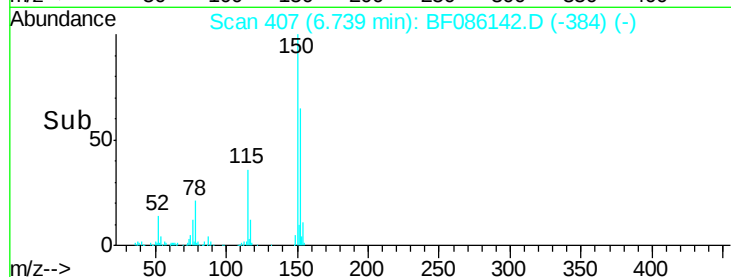
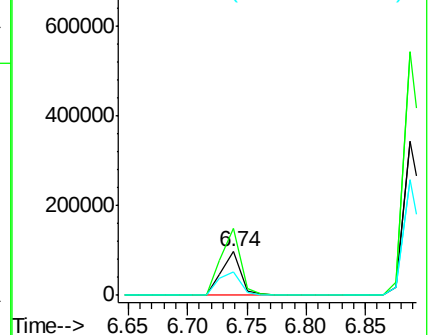
115 55.1 47.0 70.6



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: 70.76 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

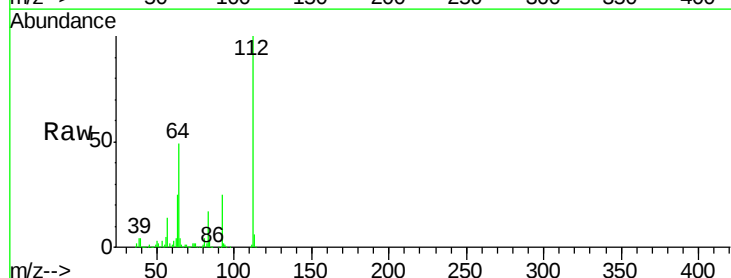
Tgt Ion:112 Resp: 454025

Ion Ratio Lower Upper

112 100

64 48.6 39.9 59.9

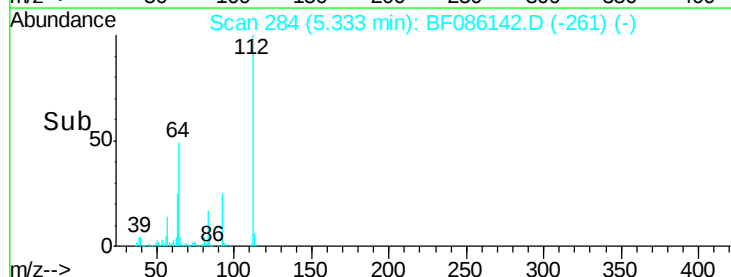
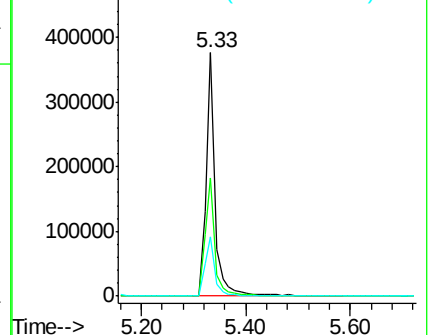
63 24.6 20.2 30.2

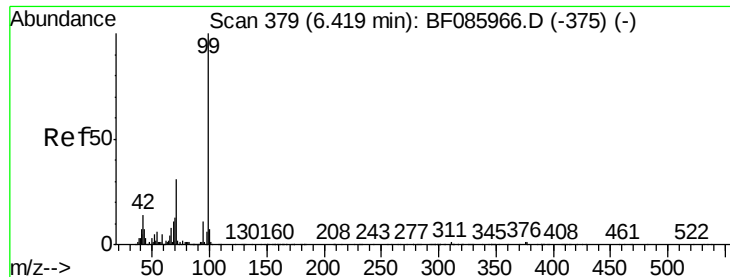


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.64 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

Instrument :

BNA_F

ClientSampleId :

RW-2-040116

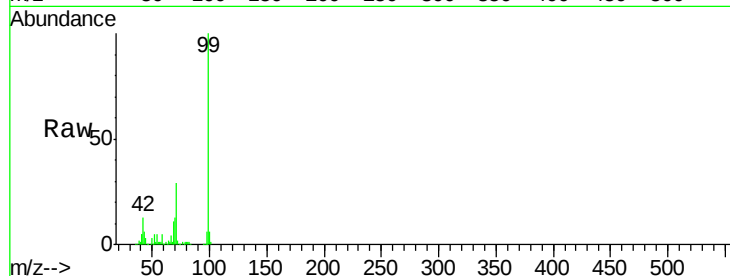
Tgt Ion: 99 Resp: 347489

Ion Ratio Lower Upper

99 100

42 13.1 11.1 16.7

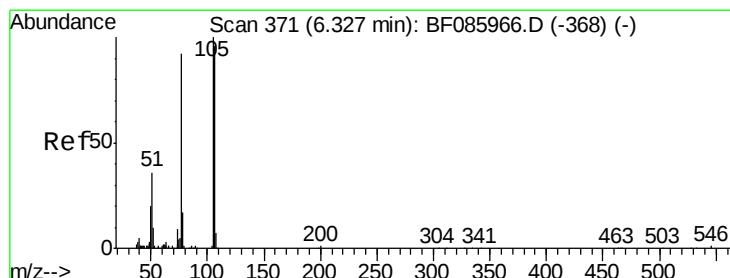
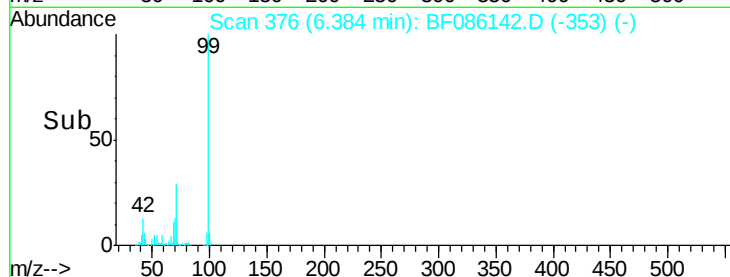
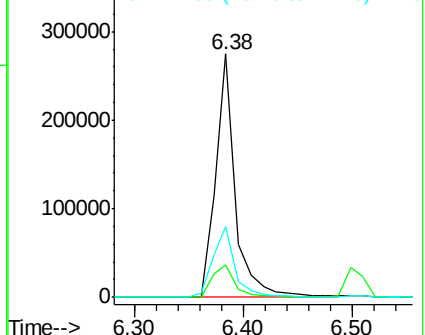
71 29.2 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.90 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

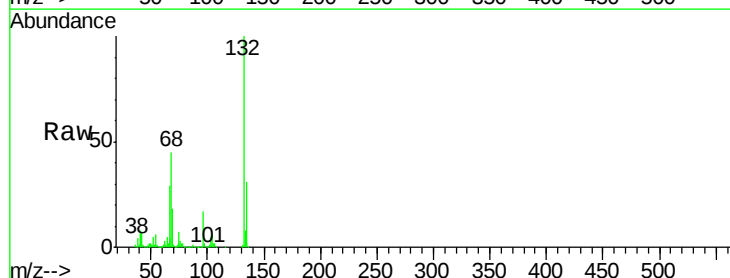
Tgt Ion: 77 Resp: 17114

Ion Ratio Lower Upper

77 100

105 78.1 80.1 120.1#

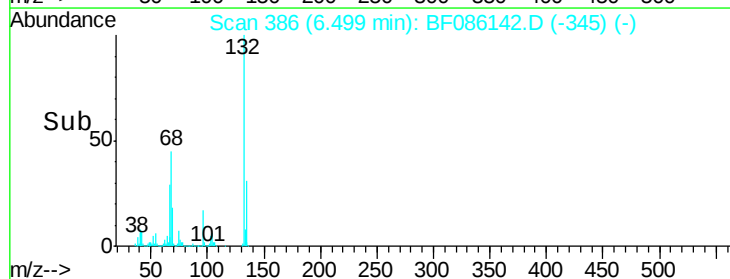
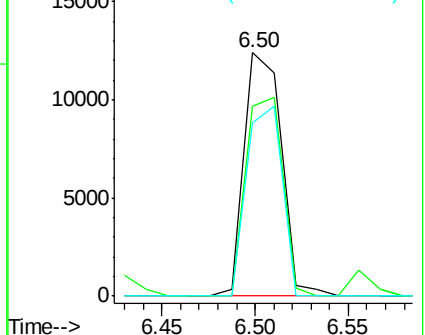
106 71.2 75.0 115.0#

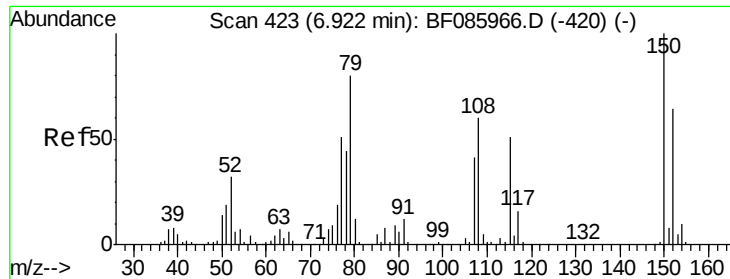


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

Instrument :

BNA_F

ClientSampleId :

RW-2-040116

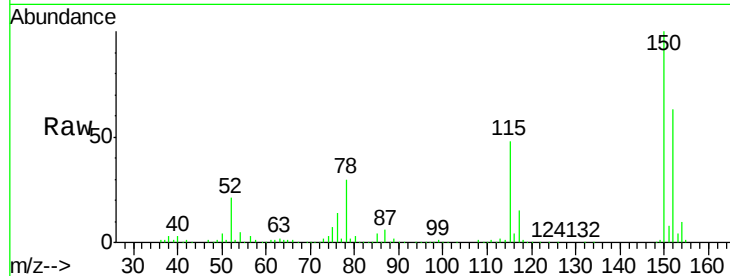
Tgt Ion: 79 Resp: 11454

Ion Ratio Lower Upper

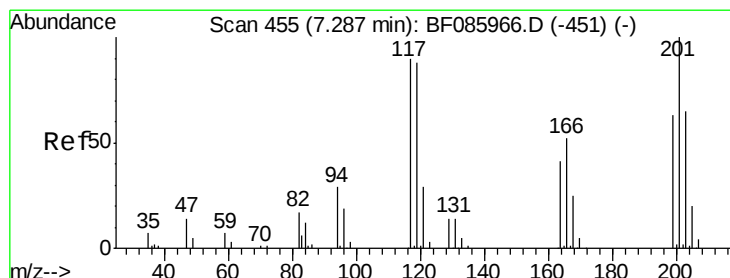
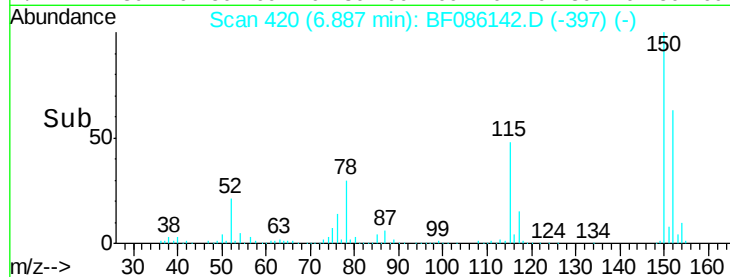
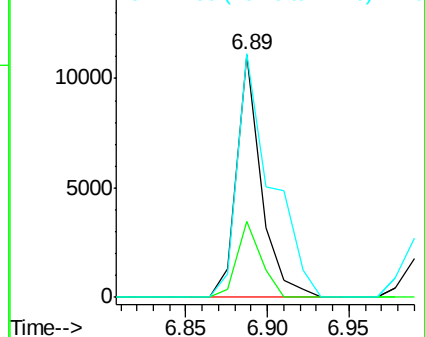
79 100

108 31.5 61.8 92.6#

77 100.3 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 35.99 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.01 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

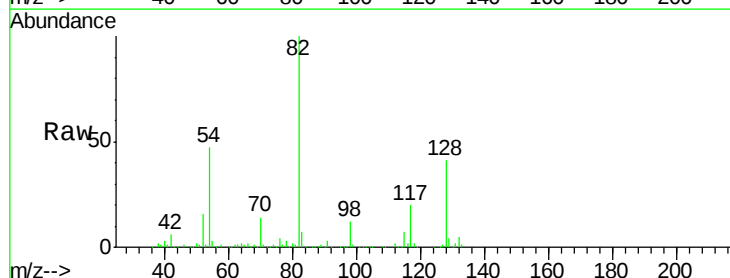
Tgt Ion: 117 Resp: 110615

Ion Ratio Lower Upper

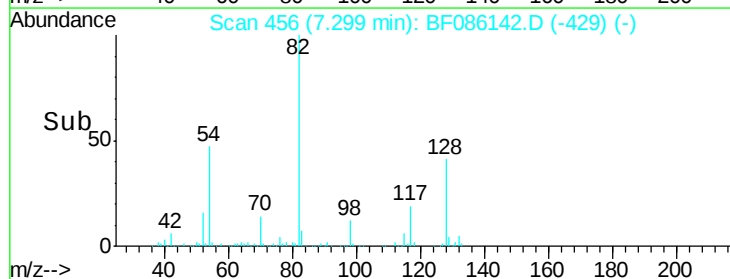
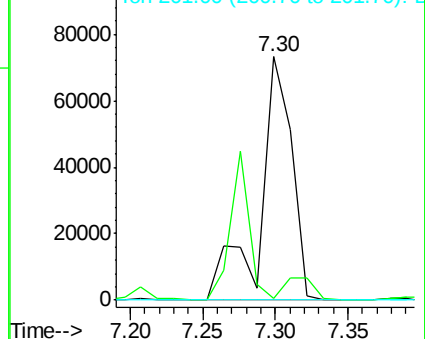
117 100

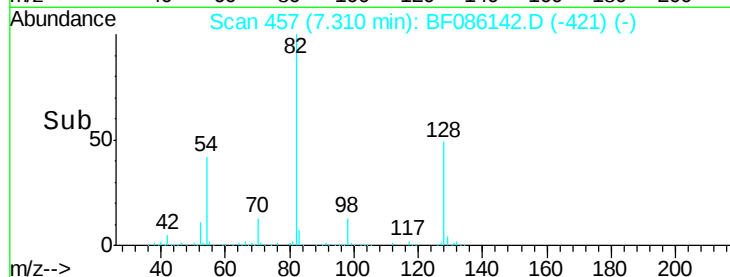
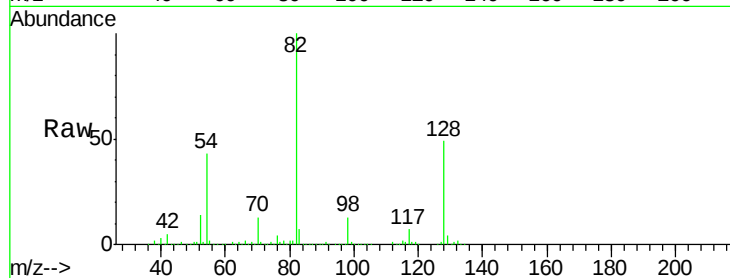
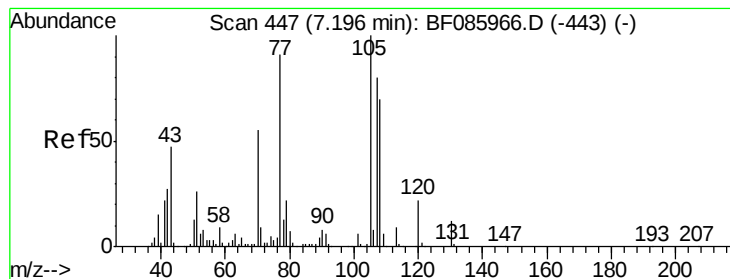
119 0.8 76.7 115.1#

201 0.0 83.3 124.9#



Abundance Ion 117.00 (116.70 to 117.70): B
Ion 119.00 (118.70 to 119.70): B
Ion 201.00 (200.70 to 201.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 21.65 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

Instrument :

BNA_F

ClientSampleId :

RW-2-040116

Tgt Ion: 70 Resp: 109380

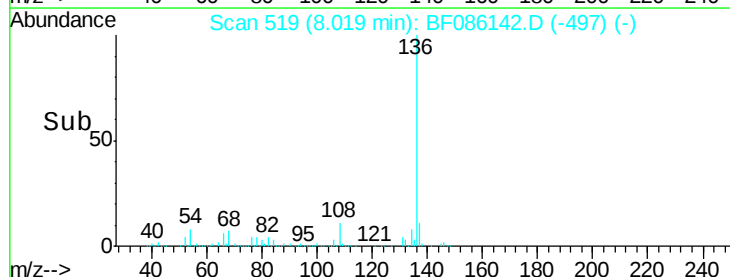
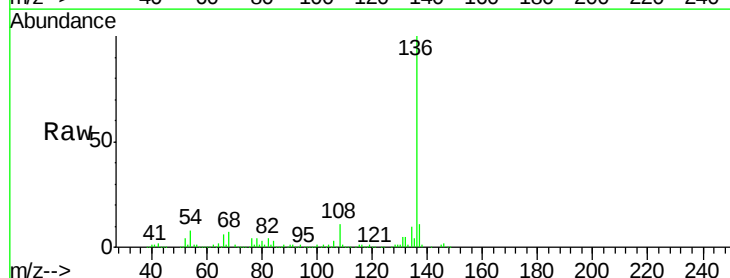
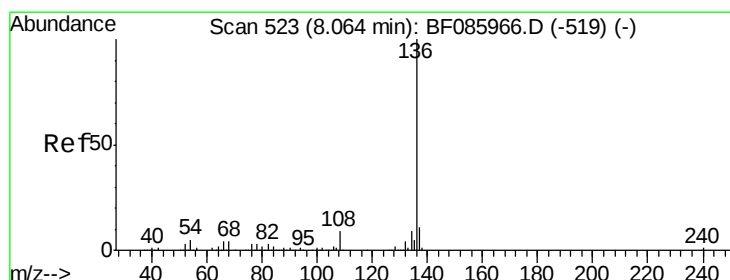
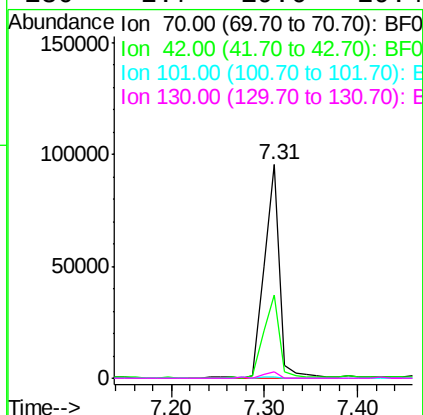
Ion Ratio Lower Upper

70 100

42 39.3 37.1 55.7

101 0.3 8.6 12.8#

130 2.7 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

Tgt Ion: 136 Resp: 441625

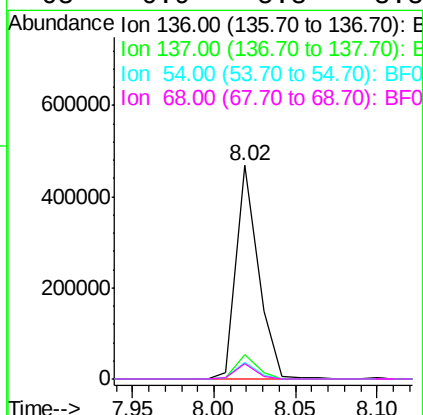
Ion Ratio Lower Upper

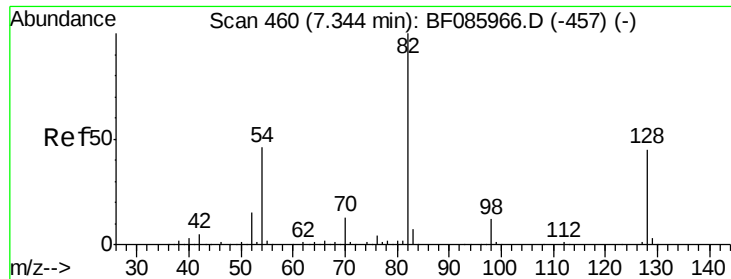
136 100

137 11.4 9.1 13.7

54 8.0 7.4 11.0

68 6.9 5.8 8.8

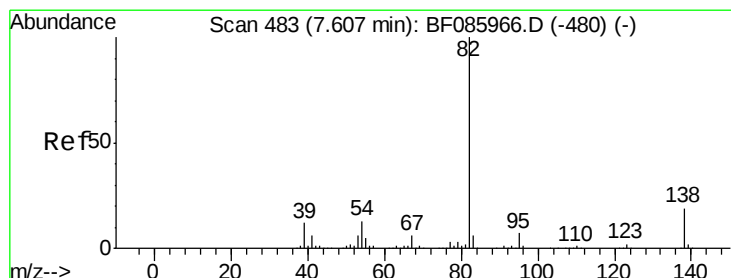
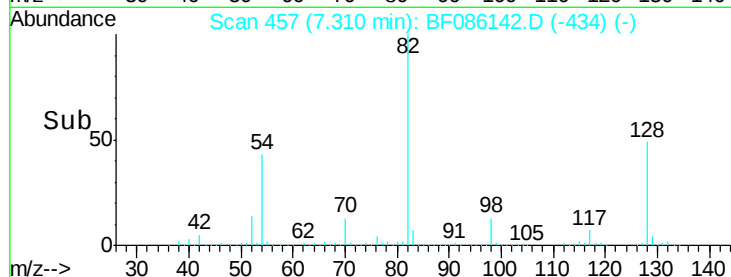
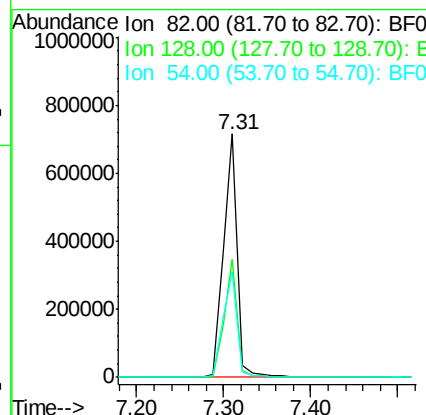
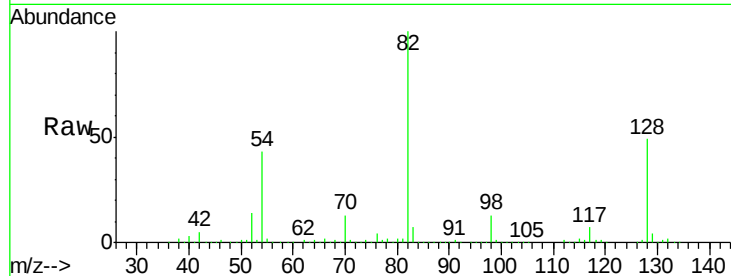




#23
 Nitrobenzene-d5
 Concen: 106.51 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

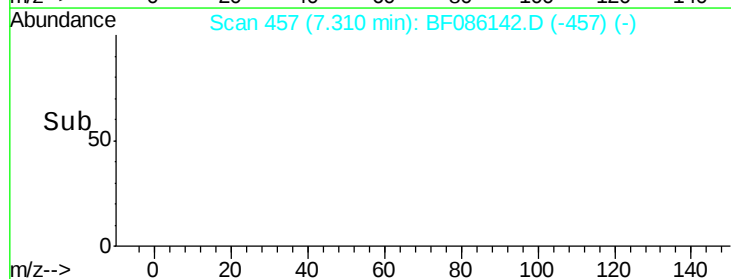
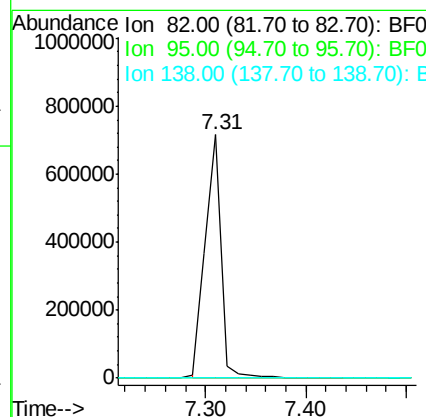
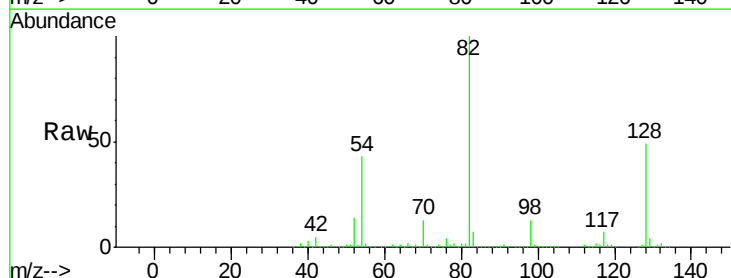
Instrument :
 BNA_F
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 RW-2-040116

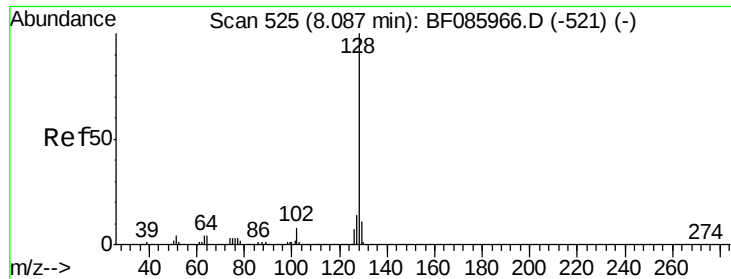
Tgt Ion: 82 Resp: 797589
 Ion Ratio Lower Upper
 82 100
 128 48.7 41.8 62.8
 54 43.3 33.4 50.0



#25
 Isophorone
 Concen: 52.94 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.30 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

Tgt Ion: 82 Resp: 782627
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.2#
 138 0.0 12.9 19.3#

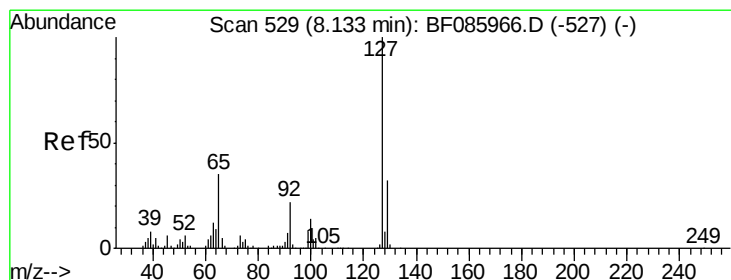
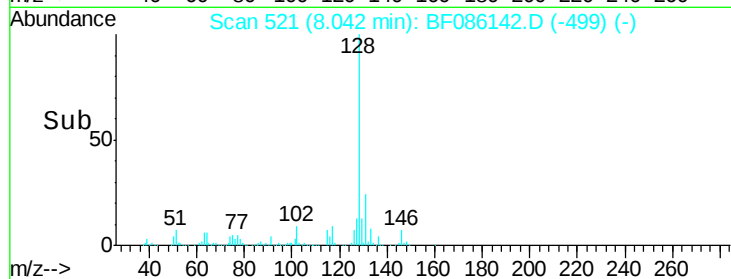
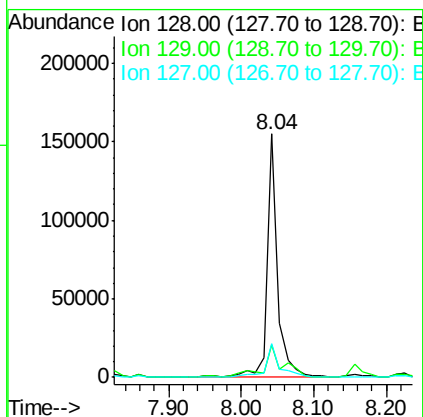
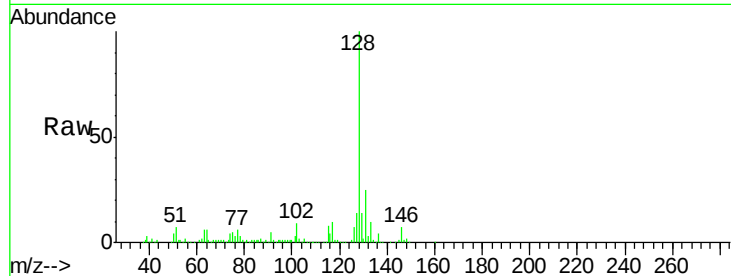




#31
Naphthalene
Concen: 7.26 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.05 min
Lab File: BF086142.D
Acq: 7 Apr 2016 21:02

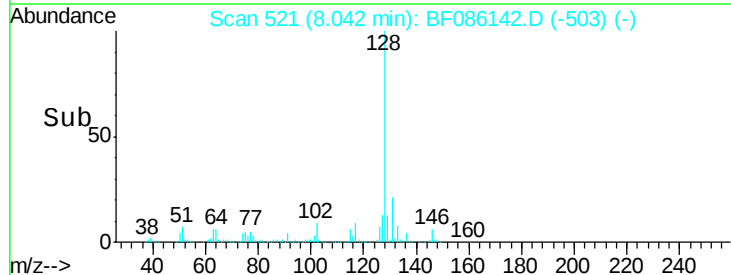
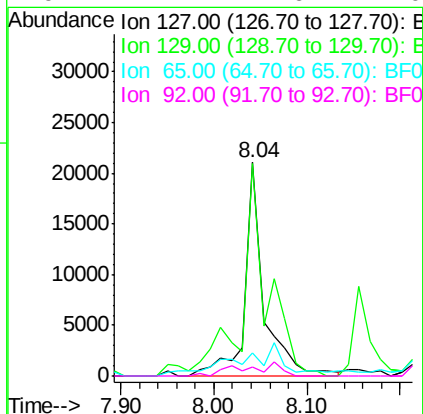
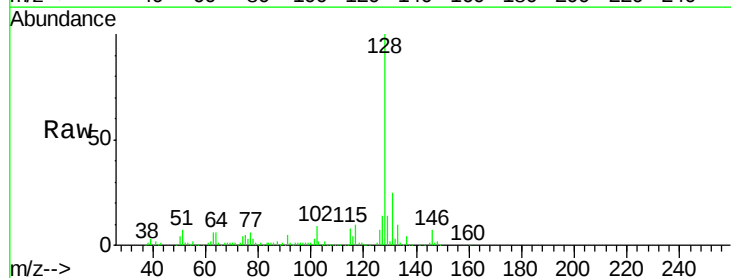
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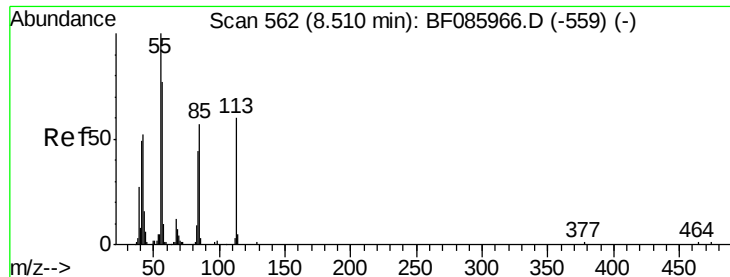
Tgt Ion:128 Resp: 161269
Ion Ratio Lower Upper
128 100
129 13.5 9.4 14.0
127 13.6 11.0 16.6



#33
4-Chloroaniline
Concen: 3.35 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.09 min
Lab File: BF086142.D
Acq: 7 Apr 2016 21:02

Tgt Ion:127 Resp: 30050
Ion Ratio Lower Upper
127 100
129 99.5 26.1 39.1#
65 11.0 19.5 29.3#
92 4.2 14.6 22.0#





#35

Caprolactam

Concen: 2.57 ng

RT: 8.51 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

Instrument :

BNA_F

ClientSampleId :

RW-2-040116

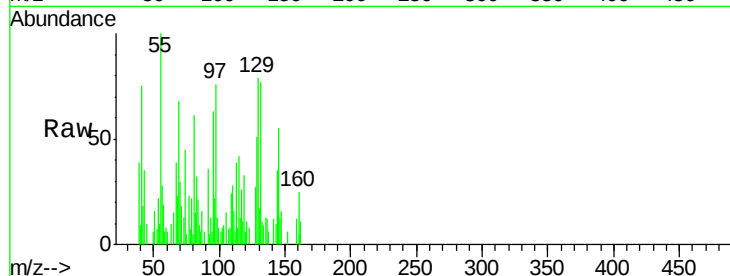
Tgt Ion:113 Resp: 4849

Ion Ratio Lower Upper

113 100

55 255.8 139.4 179.4#

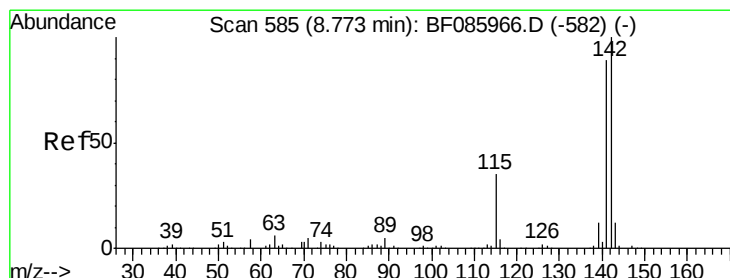
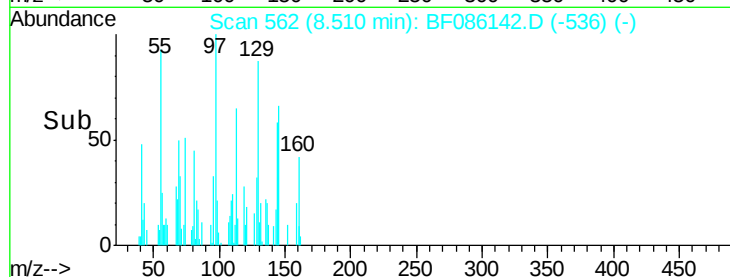
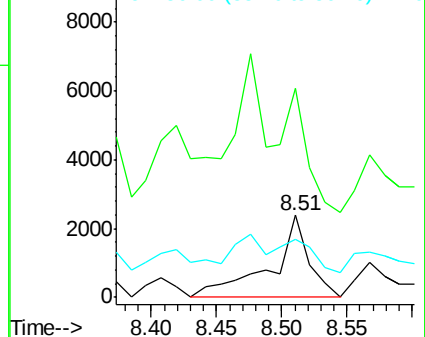
56 70.7 100.4 140.4#



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



#37

2-Methylnaphthalene

Concen: 3.00 ng

RT: 8.74 min Scan# 582

Delta R.T. -0.03 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

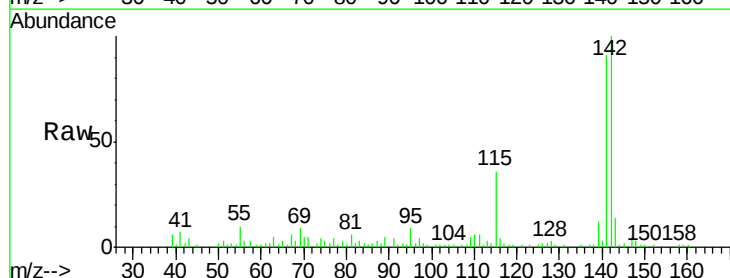
Tgt Ion:142 Resp: 43559

Ion Ratio Lower Upper

142 100

141 91.0 71.6 107.4

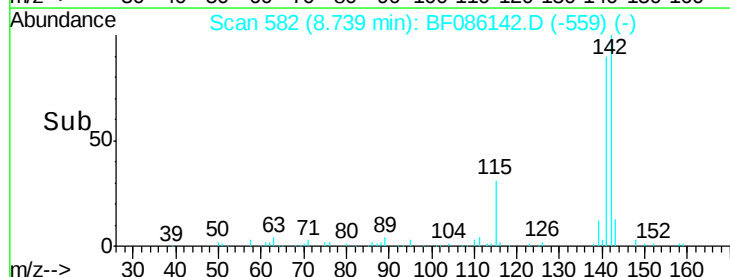
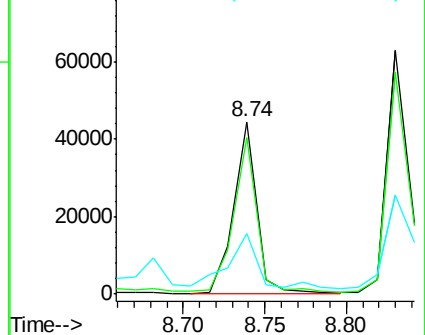
115 35.5 26.8 40.2

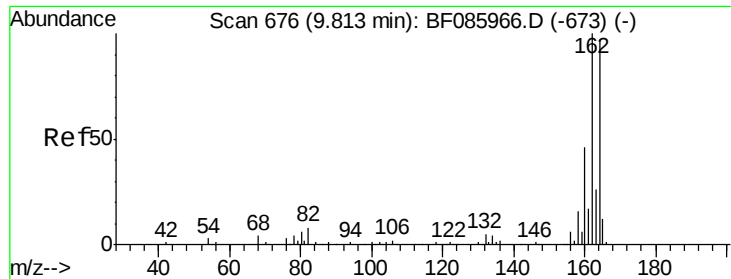


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

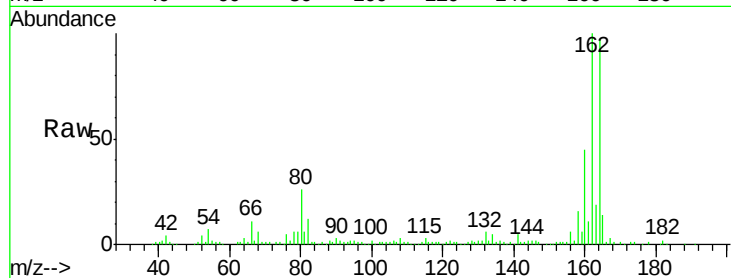




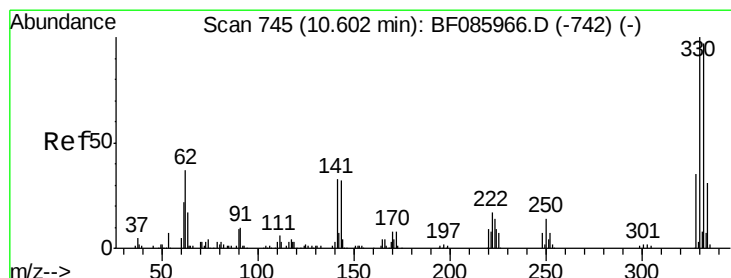
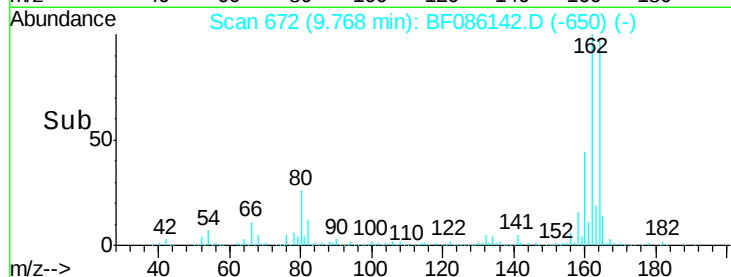
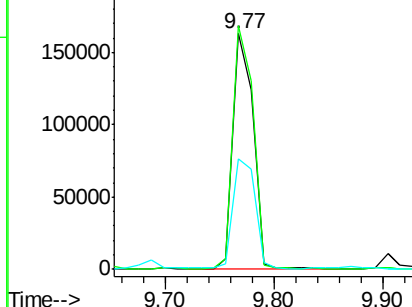
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.05 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RW-2-040116

Tgt Ion:164 Resp: 205395
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.1 123.1
 160 47.0 37.4 56.2

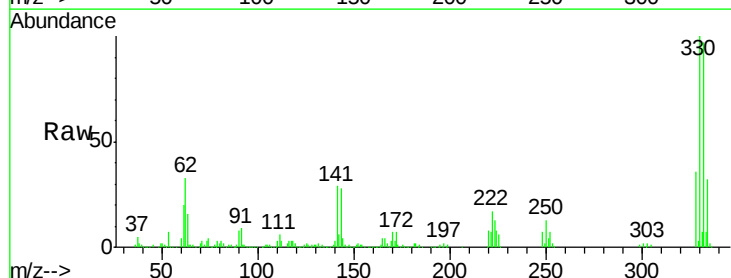


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

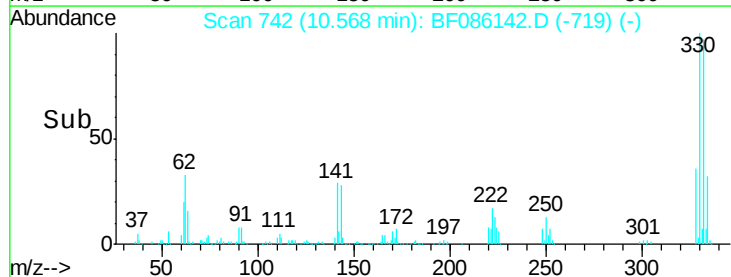
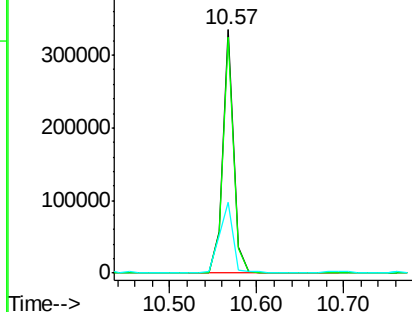


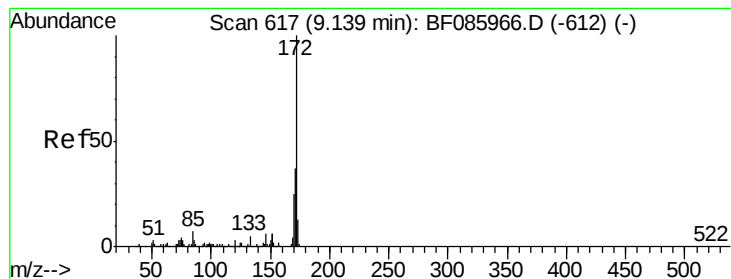
#41
 2,4,6-Tribromophenol
 Concen: 154.95 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

Tgt Ion:330 Resp: 298713
 Ion Ratio Lower Upper
 330 100
 332 96.6 78.2 117.2
 141 35.7 31.5 47.3



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

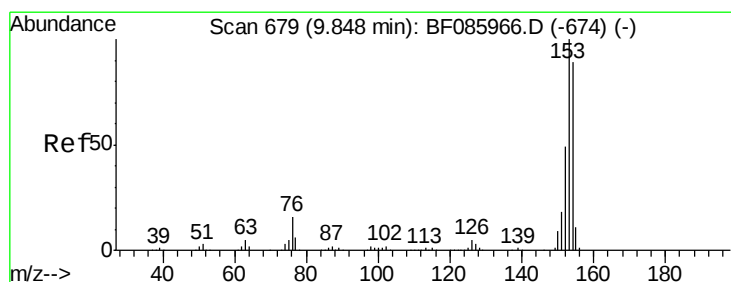
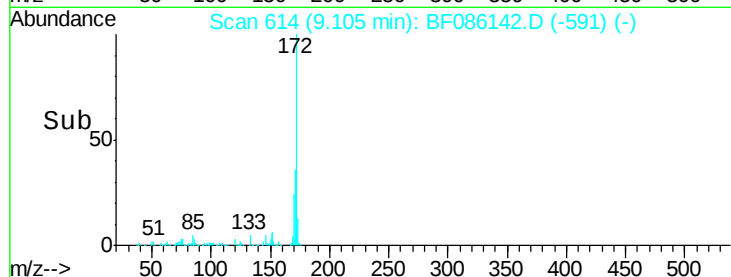
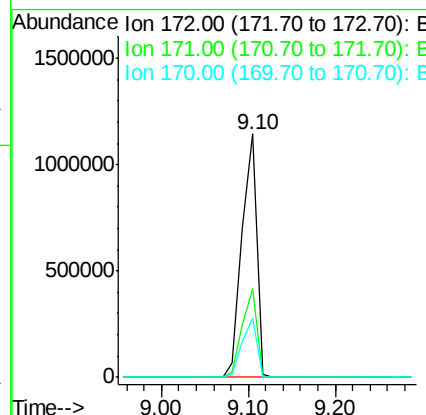
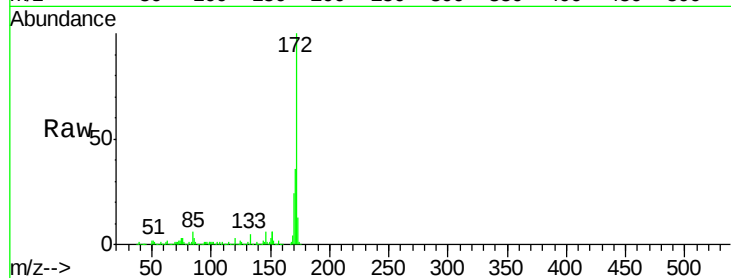




#44
2-Fluorobiphenyl
Concen: 107.75 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.03 min
Lab File: BF086142.D
Acq: 7 Apr 2016 21:02

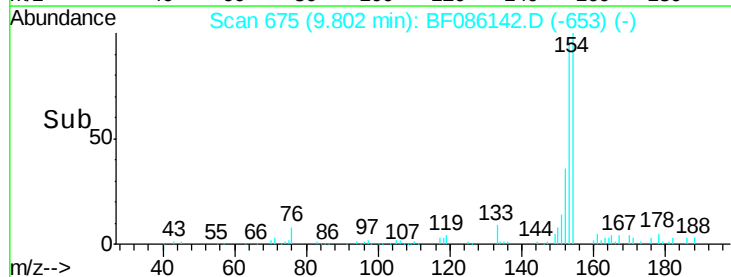
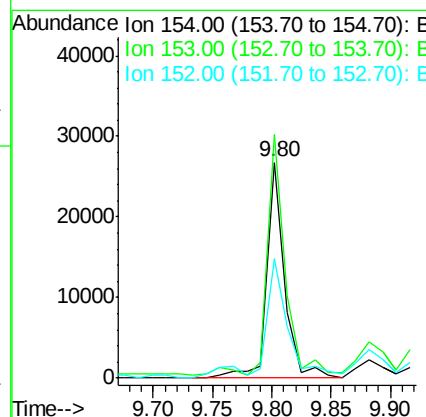
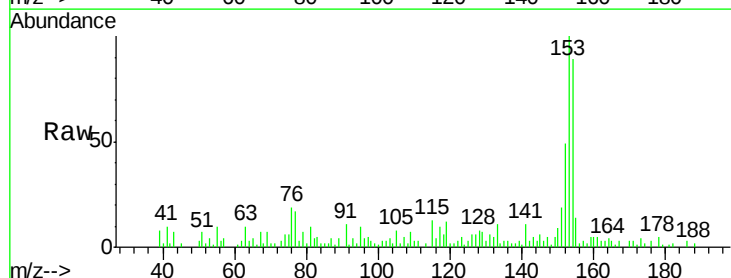
Instrument :
BNA_F
ClientSampleId :
RW-2-040116

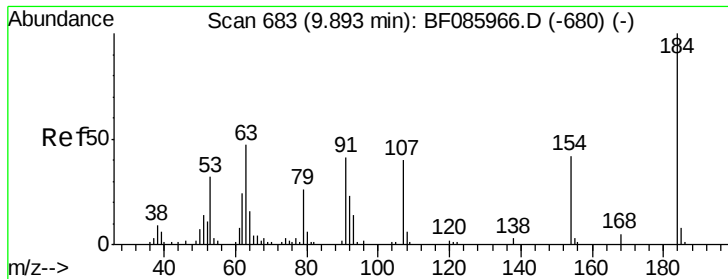
Tgt Ion:172 Resp: 1331034
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.2
170 24.4 19.8 29.6



#51
Acenaphthene
Concen: 2.28 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.05 min
Lab File: BF086142.D
Acq: 7 Apr 2016 21:02

Tgt Ion:154 Resp: 27922
Ion Ratio Lower Upper
154 100
153 113.0 90.1 135.1
152 55.3 44.2 66.2

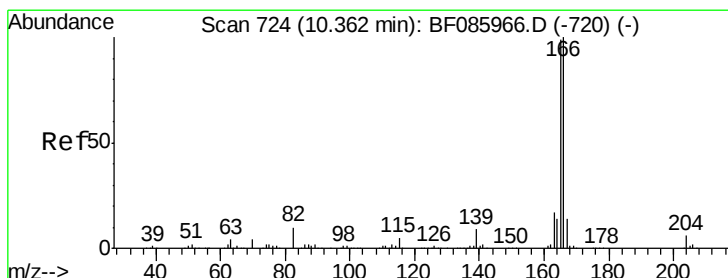
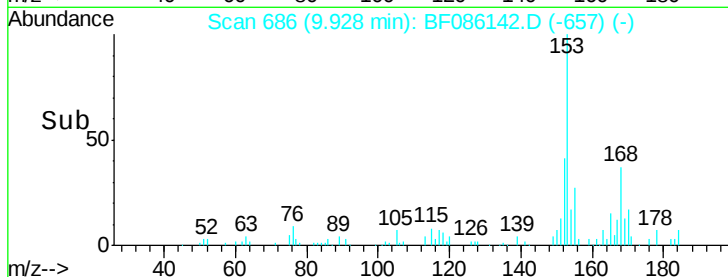
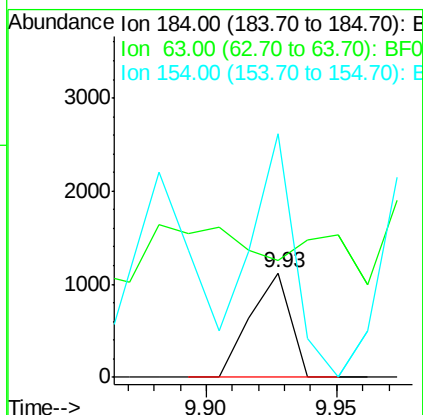
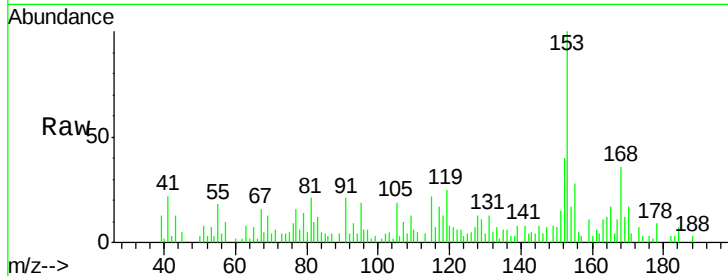




#53
 2,4-Dinitrophenol
 Concen: 3.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.03 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

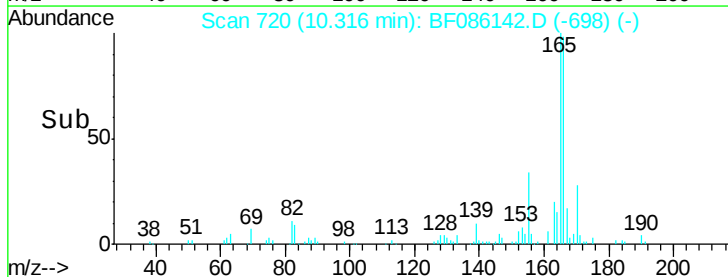
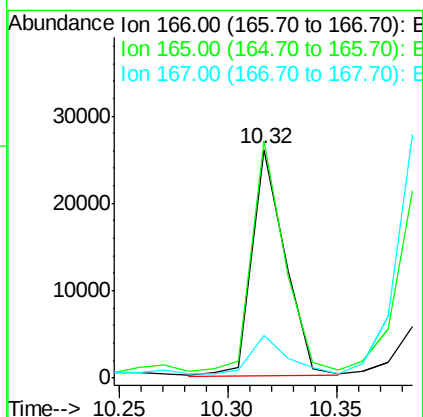
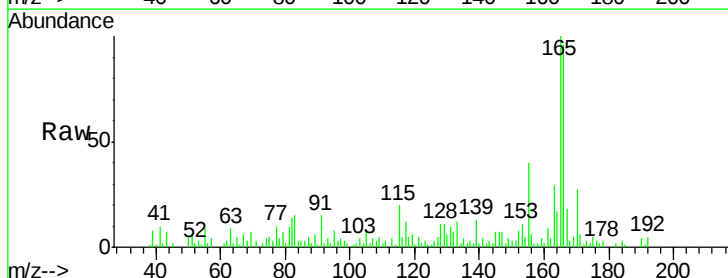
Instrument :
 BNA_F
 ClientSampleId :
 RW-2-040116

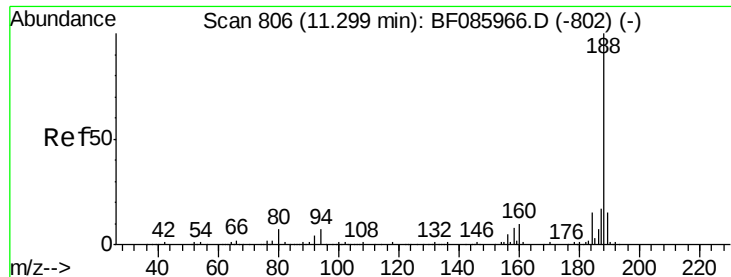
Tgt Ion:184 Resp: 1210
 Ion Ratio Lower Upper
 184 100
 63 111.6 69.5 104.3#
 154 233.0 58.3 87.5#



#57
 Fluorene
 Concen: 2.00 ng
 RT: 10.32 min Scan# 720
 Delta R.T. -0.05 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

Tgt Ion:166 Resp: 27611
 Ion Ratio Lower Upper
 166 100
 165 103.9 79.4 119.0
 167 18.5 11.0 16.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.05 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

Instrument :

BNA_F

ClientSampleId :

RW-2-040116

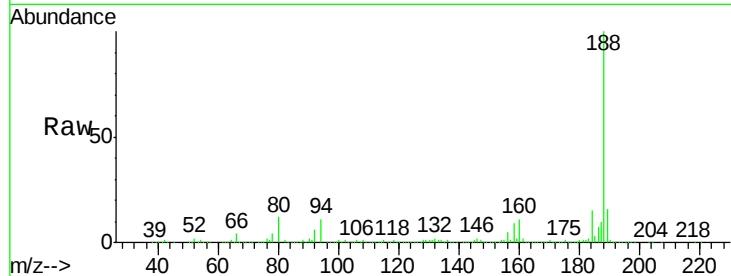
Tgt Ion:188 Resp: 391876

Ion Ratio Lower Upper

188 100

94 11.3 5.4 8.0#

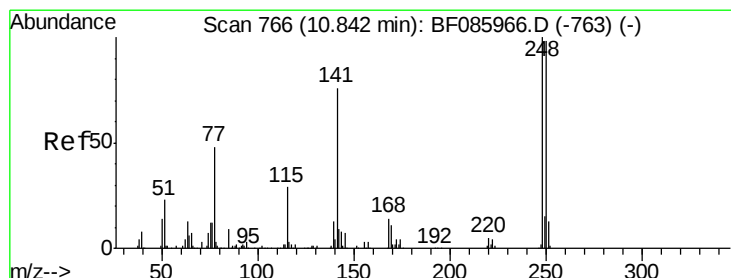
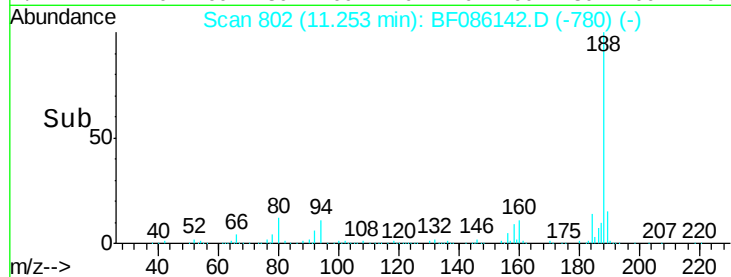
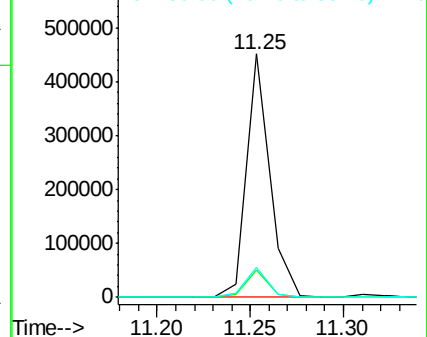
80 12.1 5.5 8.3#



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: 5.09 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.27 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

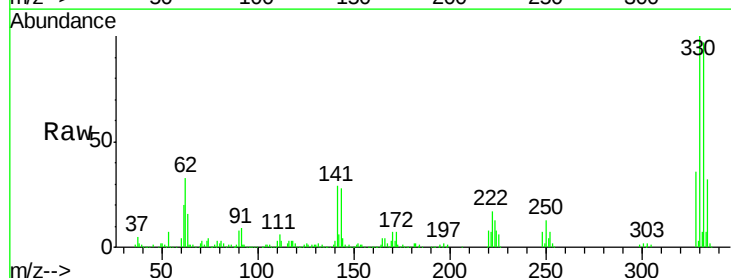
Tgt Ion:248 Resp: 20375

Ion Ratio Lower Upper

248 100

250 200.9 77.4 116.0#

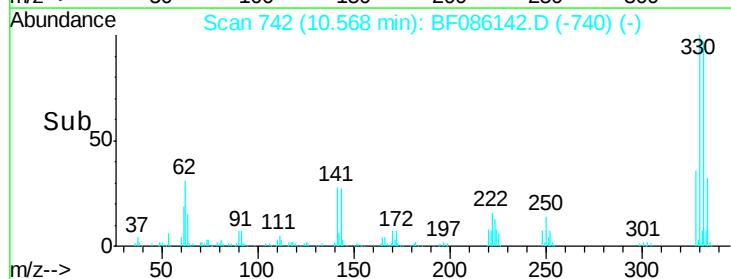
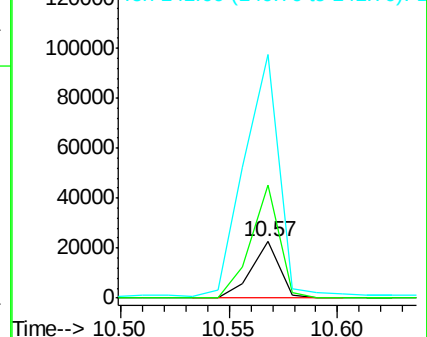
141 432.7 63.6 95.4#

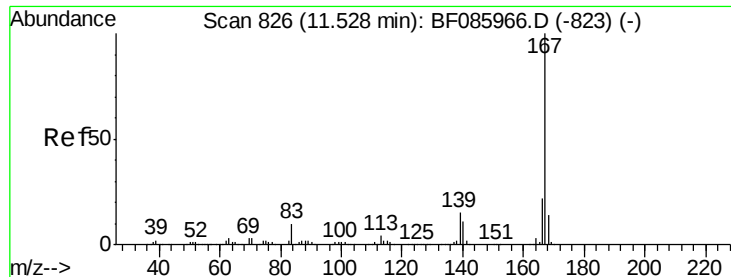


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

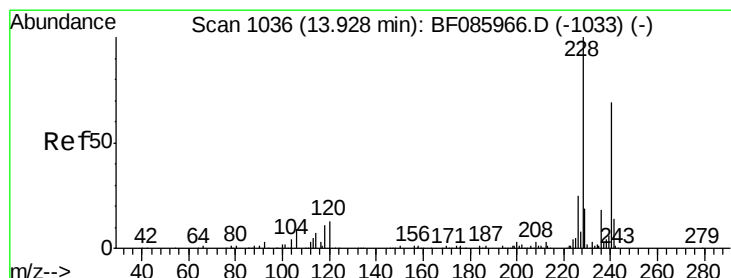
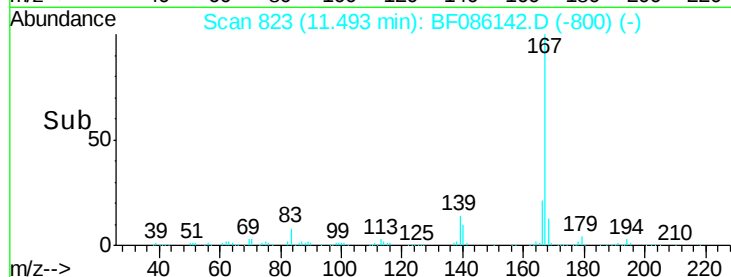
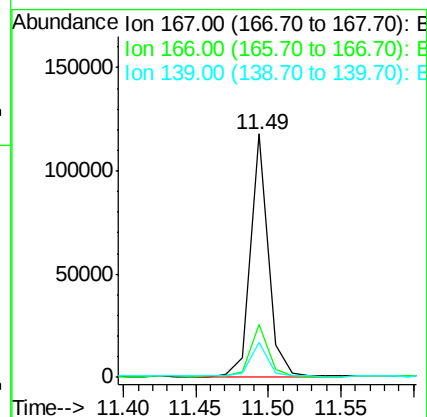
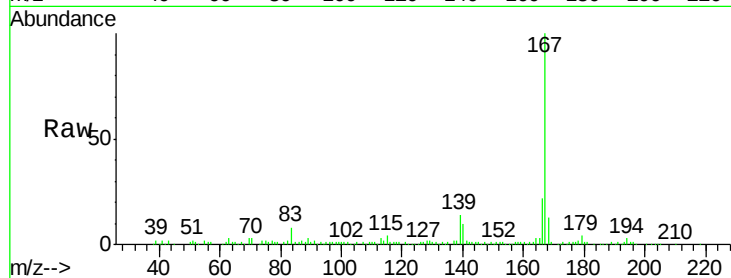




#72
 Carbazole
 Concen: 5.20 ng
 RT: 11.49 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

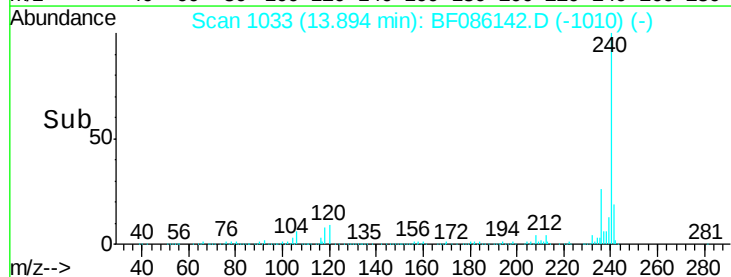
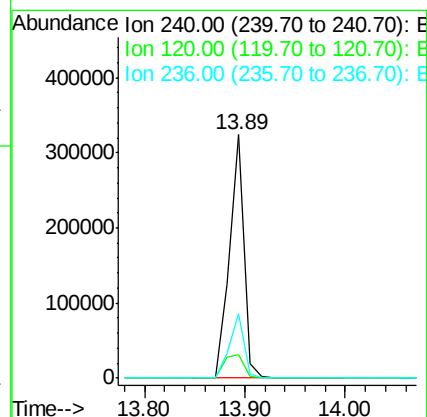
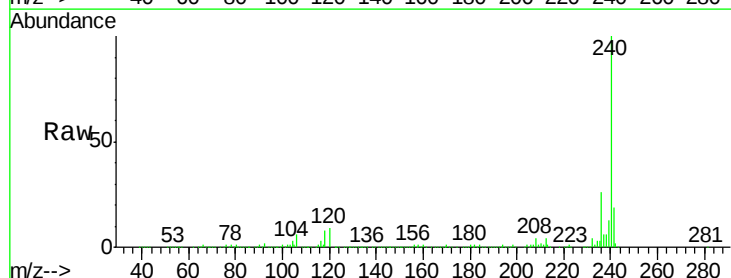
Instrument :
 BNA_F
 ClientSampleId :
 RW-2-040116

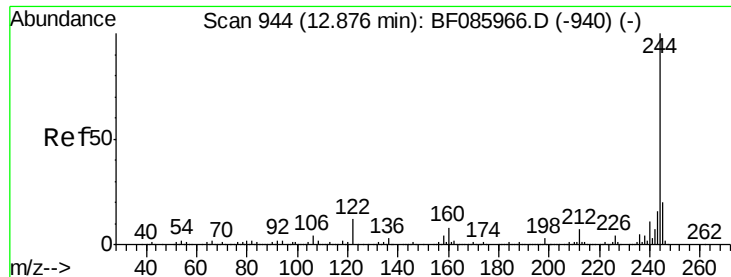
Tgt Ion:167 Resp: 100013
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.8
 139 14.2 11.6 17.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.03 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

Tgt Ion:240 Resp: 326539
 Ion Ratio Lower Upper
 240 100
 120 9.5 13.8 20.8#
 236 26.3 20.6 30.8





#78

Terphenyl-d14

Concen: 83.37 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

Instrument :

BNA_F

ClientSampleId :

RW-2-040116

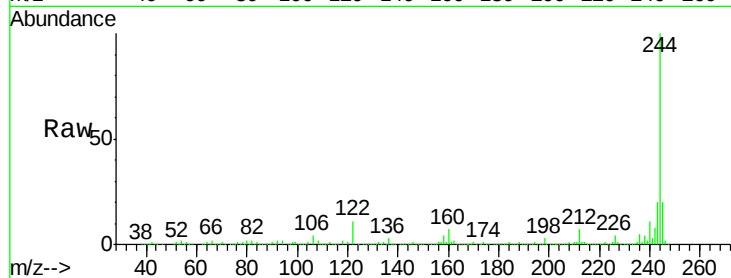
Tgt Ion:244 Resp: 1158082

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

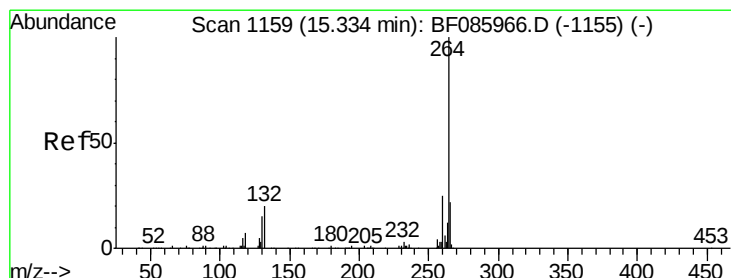
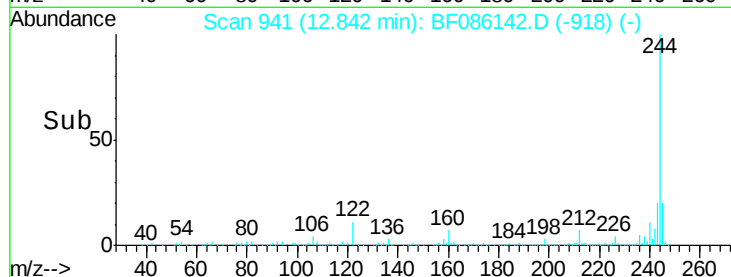
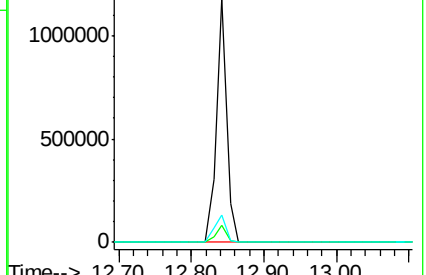
122 11.1 10.2 15.4



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: 15.29 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BF086142.D

Acq: 7 Apr 2016 21:02

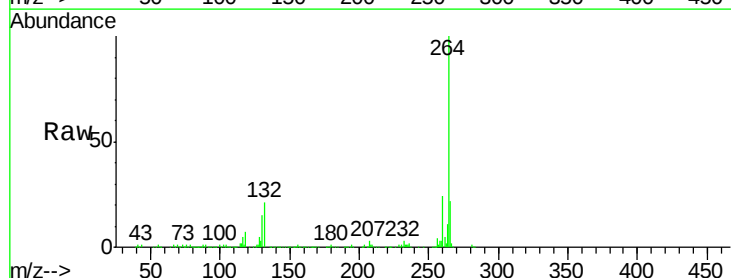
Tgt Ion:264 Resp: 222946

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.6 17.2 25.8



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

