

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086811.D
 Acq On : 8 May 2016 9:07
 Operator : UM/SJ
 Sample : H2762-04DL2 100X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPDL2

Quant Time: May 09 02:31:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

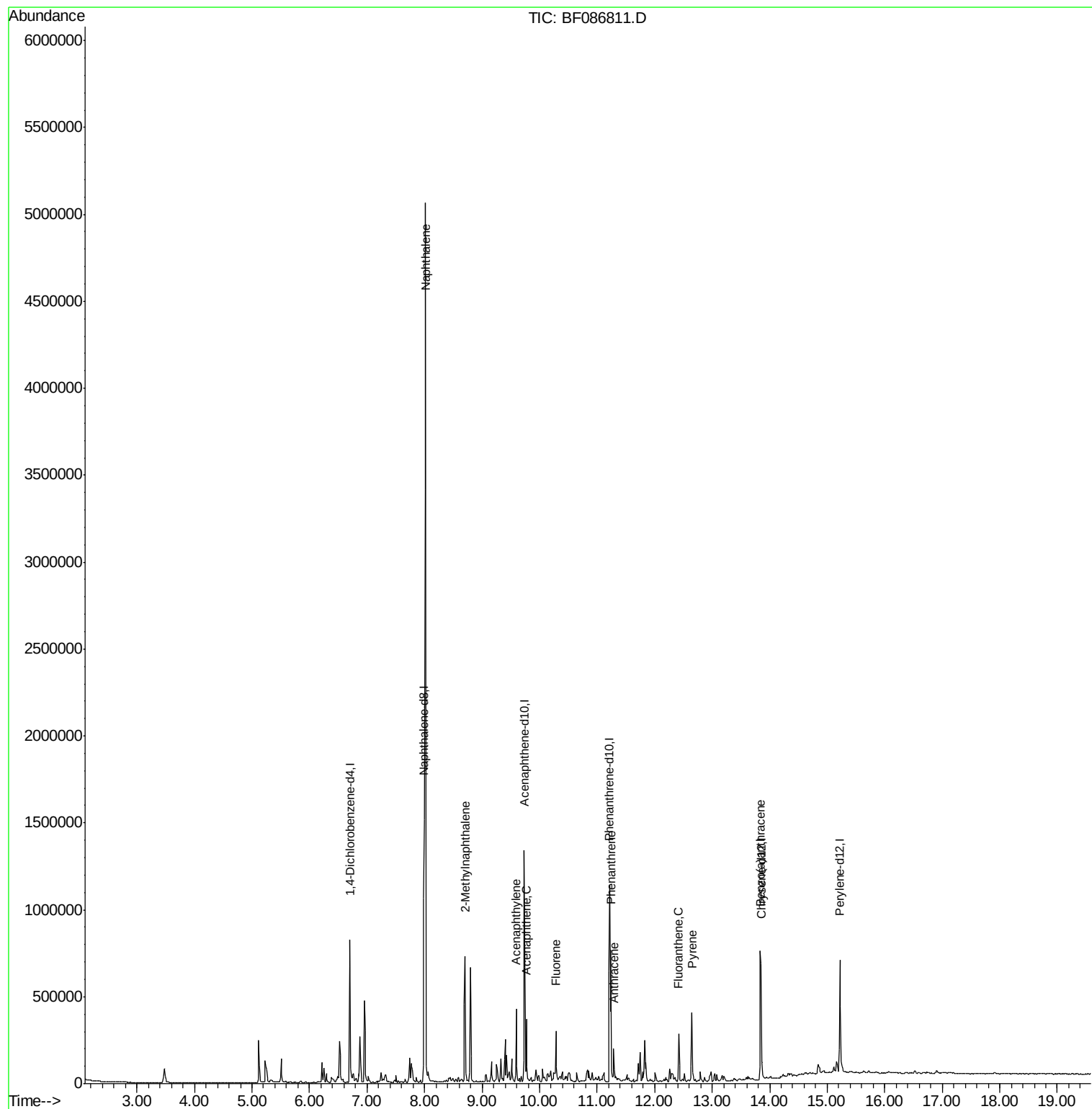
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	166743	40.00	ng	-0.03
21) Naphthalene-d8	8.00	136	676891	40.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	286007	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	501838	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	335643	40.00	ng	-0.03
86) Perylene-d12	15.22	264	303508	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	9058	0.90	ng	0.00
7) Phenol-d6	6.38	99	14487	1.07	ng	0.01
23) Nitrobenzene-d5	7.28	82	10140	0.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	3058	1.09	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	22068	1.26	ng	-0.03
78) Terphenyl-d14	12.80	244	16386	0.99	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.02	128	2788654	80.64	ng	98
37) 2-Methylnaphthalene	8.70	142	250537	12.28	ng	100
48) Acenaphthylene	9.60	152	138484	5.17	ng	97
51) Acenaphthene	9.77	154	71753	4.06	ng	99
57) Fluorene	10.28	166	96328	5.43	ng	100
70) Phenanthrene	11.24	178	321098	11.91	ng	99
71) Anthracene	11.29	178	96055	3.40	ng	98
74) Fluoranthene	12.42	202	110480	4.09	ng	98
77) Pyrene	12.65	202	156362	5.84	ng	99
80) Benzo(a)anthracene	13.84	228	39707	2.09	ng	# 73

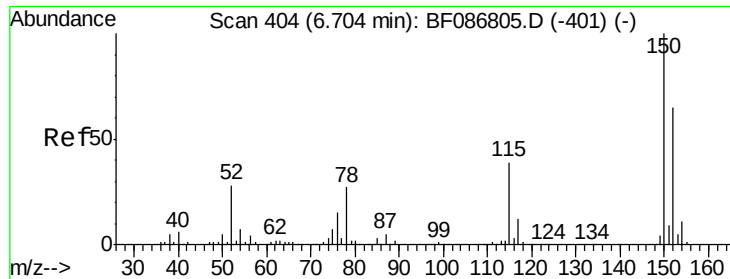
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

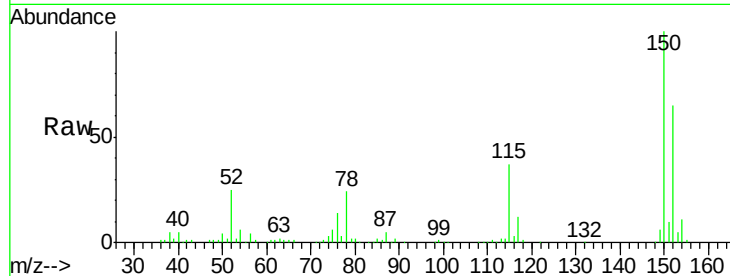
Tgt Ion:152 Resp: 166743

Ion Ratio Lower Upper

152 100

150 154.8 125.8 188.6

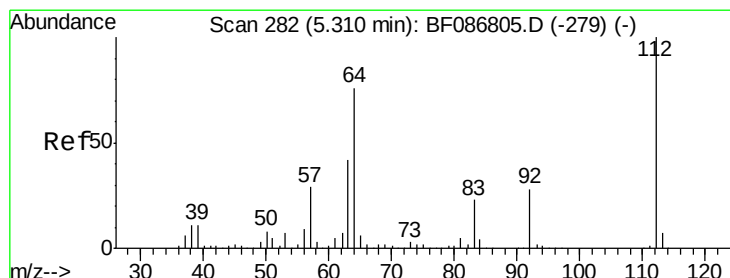
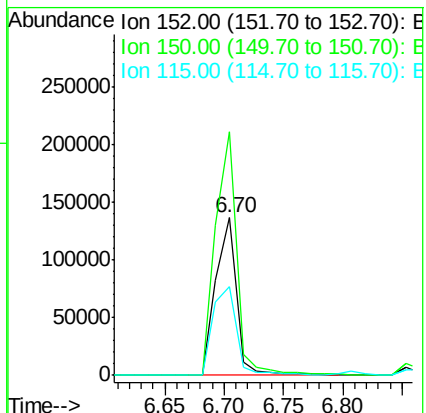
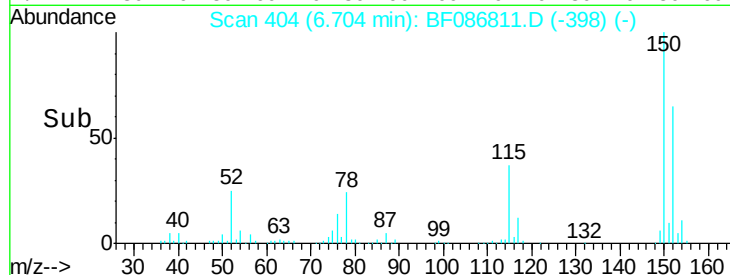
115 56.7 51.5 77.3



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



#5

2-Fluorophenol

Concen: 0.90 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

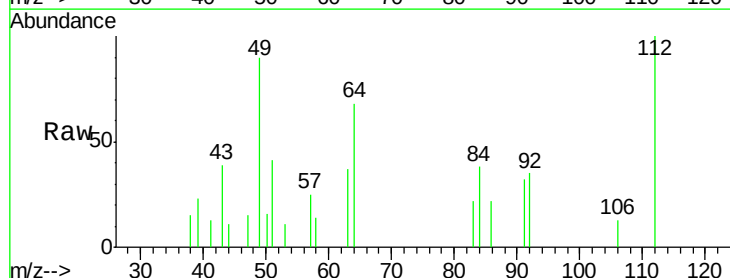
Tgt Ion:112 Resp: 9058

Ion Ratio Lower Upper

112 100

64 67.7 52.1 78.1

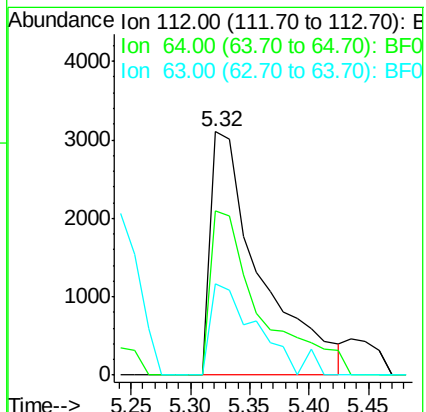
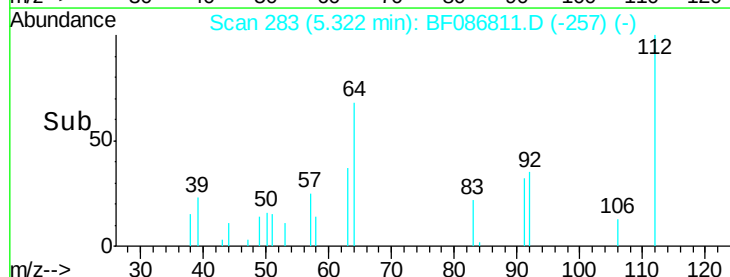
63 37.4 25.7 38.5

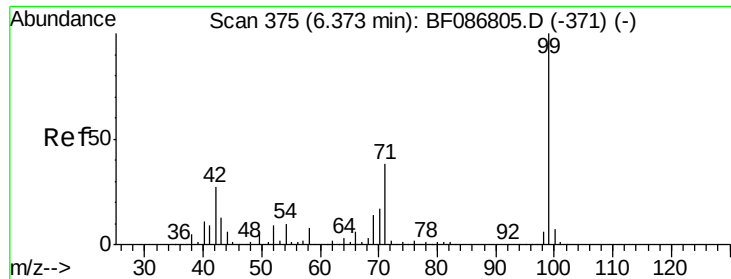


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.07 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

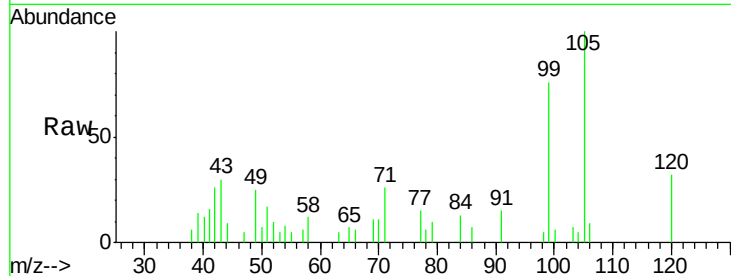
Tgt Ion: 99 Resp: 14487

Ion Ratio Lower Upper

99 100

42 33.9 13.6 20.4#

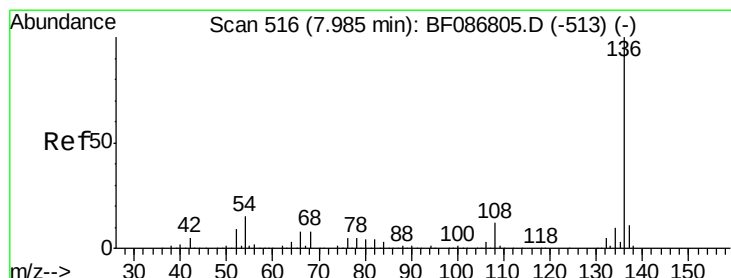
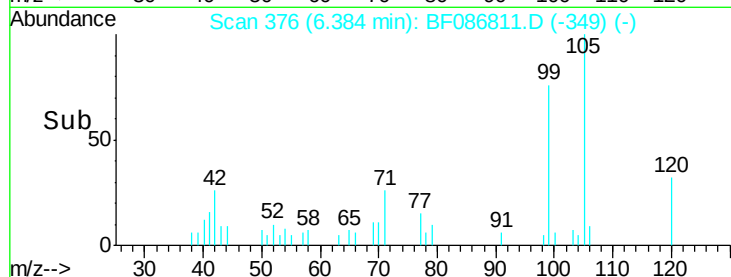
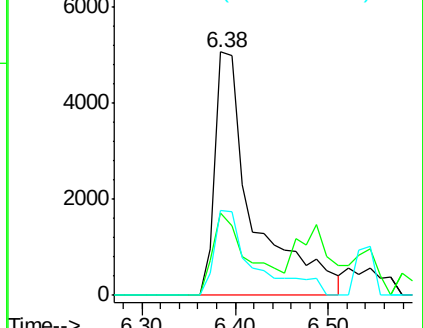
71 35.0 24.6 36.8



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



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Tgt Ion: 136 Resp: 676891

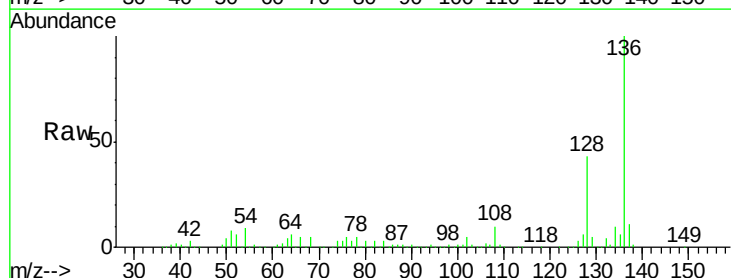
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.2 5.0 7.4#

68 5.4 4.4 6.6

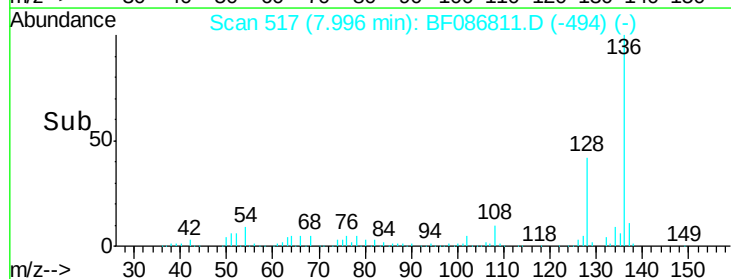
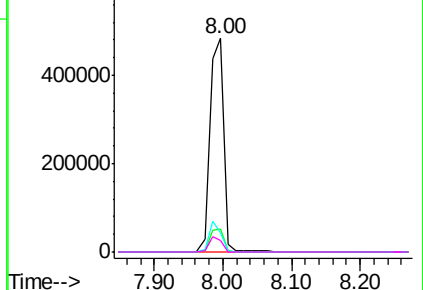


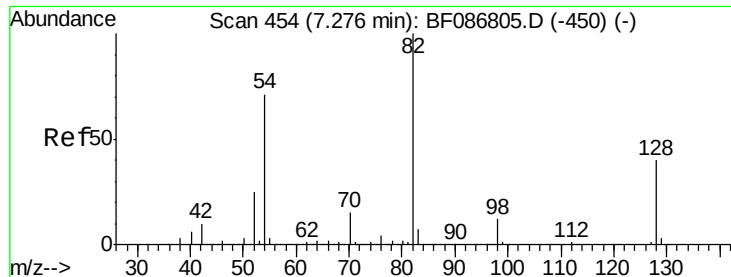
Abundance Ion 136.00 (135.70 to 136.70): E

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

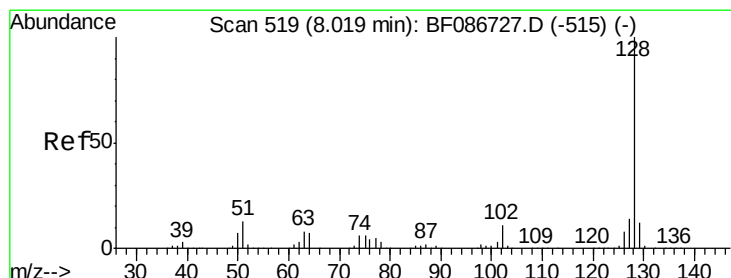
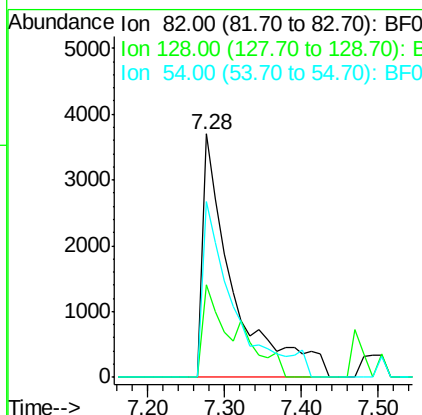
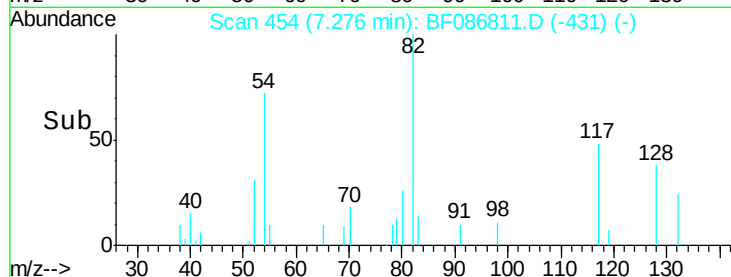
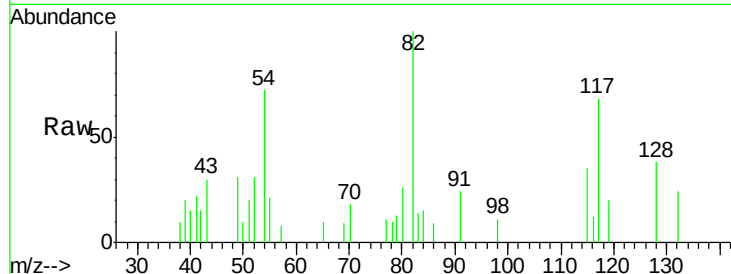




#23
 Nitrobenzene-d5
 Concen: 0.77 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

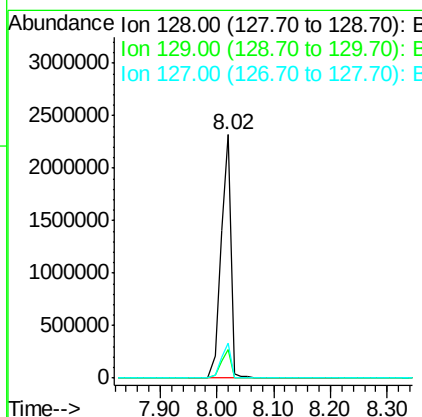
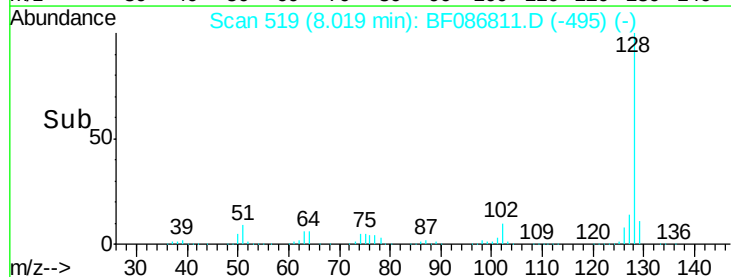
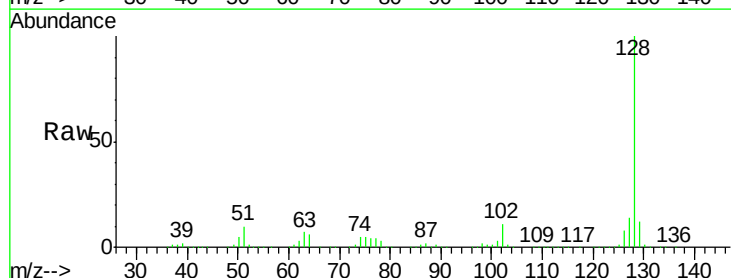
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPDL2

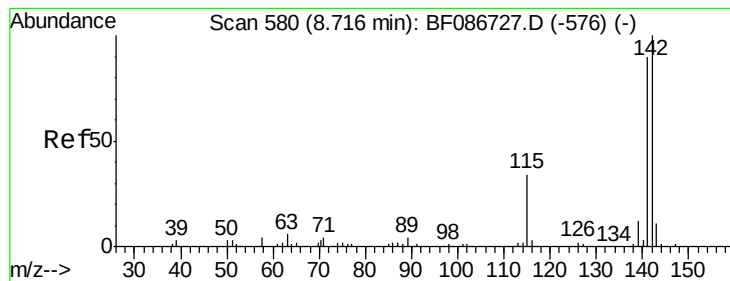
Tgt Ion: 82 Resp: 10140
 Ion Ratio Lower Upper
 82 100
 128 37.8 40.6 61.0#
 54 72.3 38.1 57.1#



#31
 Naphthalene
 Concen: 80.64 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Tgt Ion: 128 Resp: 2788654
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.6 13.0
 127 14.5 10.8 16.2

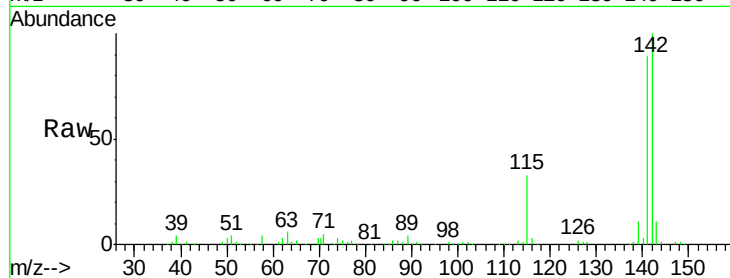




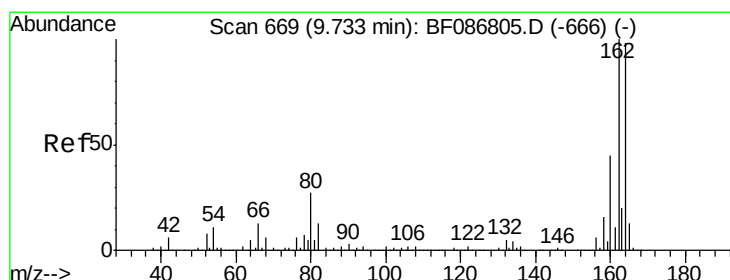
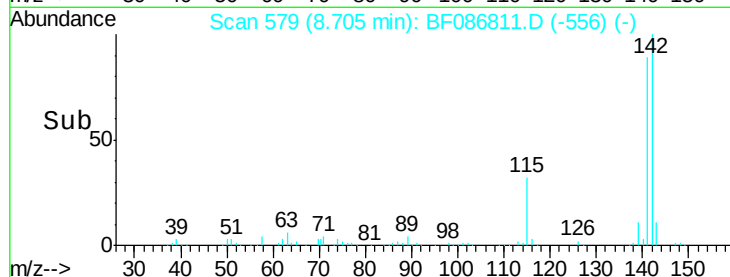
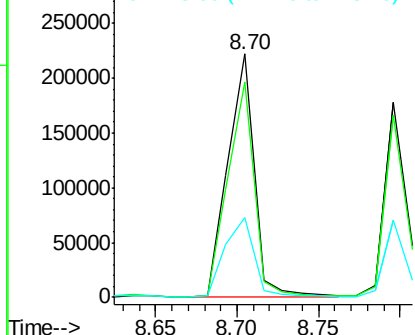
#37
 2-Methylnaphthalene
 Concen: 12.28 ng
 RT: 8.70 min Scan# 579
 Delta R.T. -0.03 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPDL2

Tgt Ion:142 Resp: 250537
 Ion Ratio Lower Upper
 142 100
 141 88.7 71.0 106.6
 115 32.5 26.6 39.8

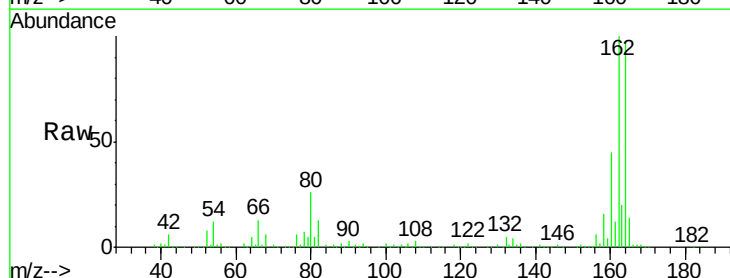


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

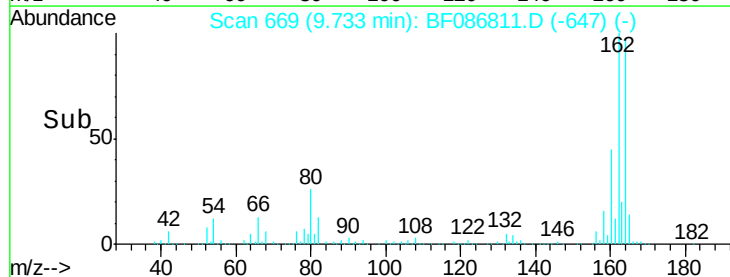
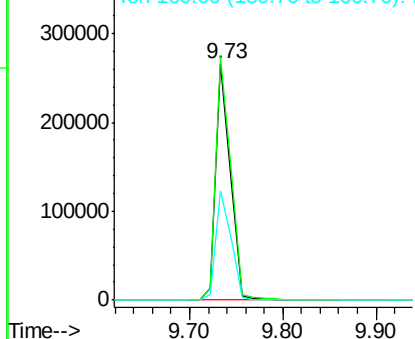


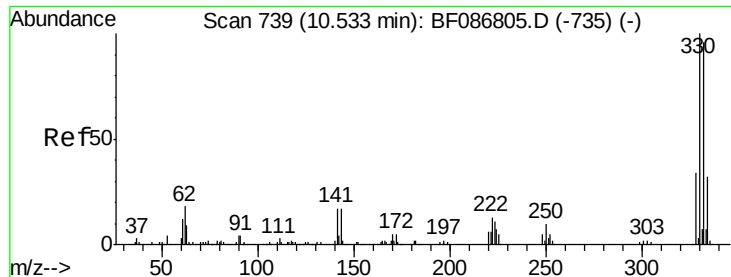
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.05 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Tgt Ion:164 Resp: 286007
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.8 124.2
 160 46.0 36.9 55.3



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

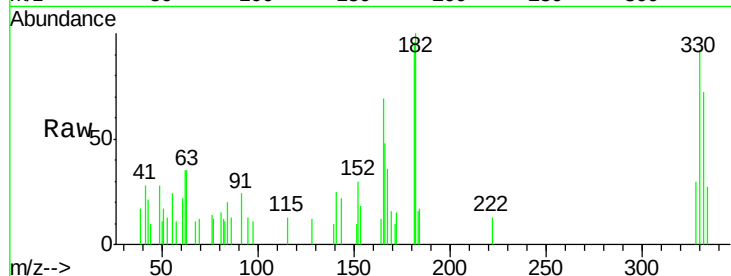




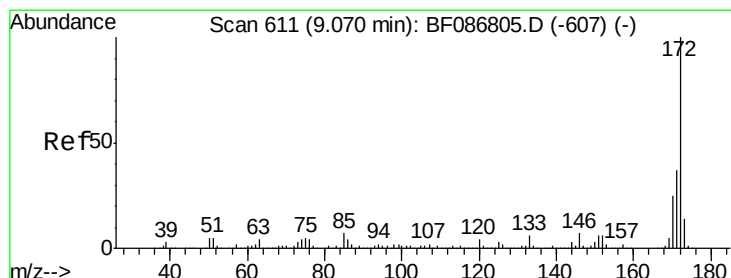
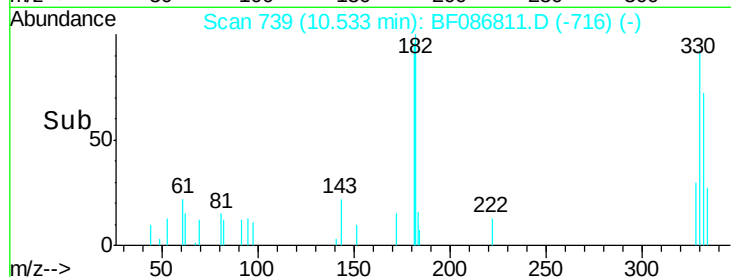
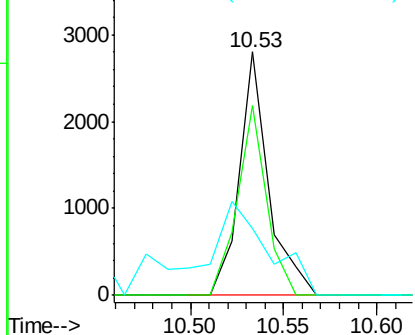
#41
 2,4,6-Tribromophenol
 Concen: 1.09 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPDL2

Tgt Ion: 330 Resp: 3058
 Ion Ratio Lower Upper
 330 100
 332 77.5 79.0 118.4#
 141 92.9 31.2 46.8#

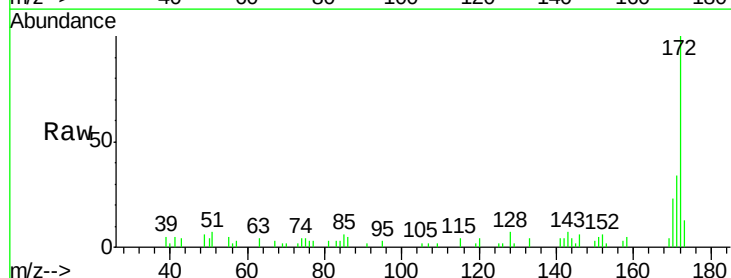


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

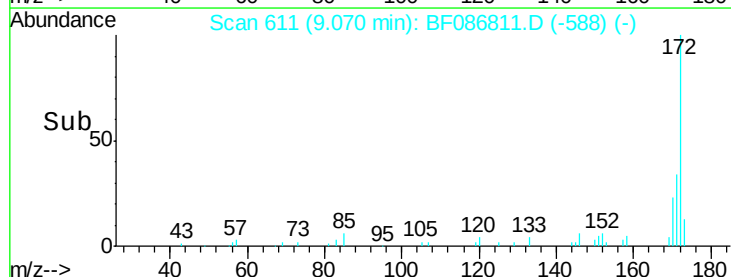
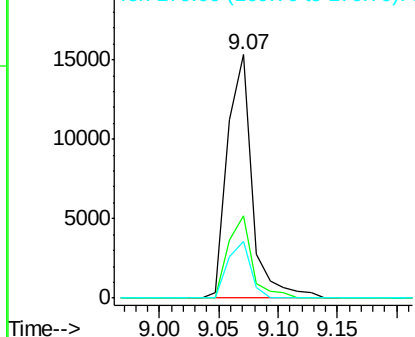


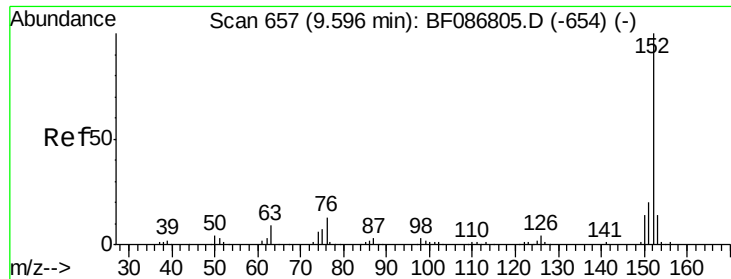
#44
 2-Fluorobiphenyl
 Concen: 1.26 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Tgt Ion: 172 Resp: 22068
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.0 43.6
 170 23.5 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





#48

Acenaphthylene

Concen: 5.17 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.05 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

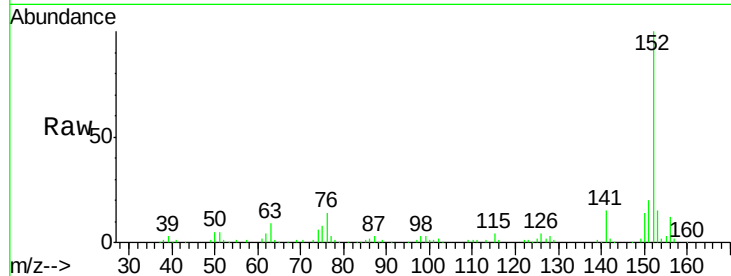
Tgt Ion:152 Resp: 138484

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

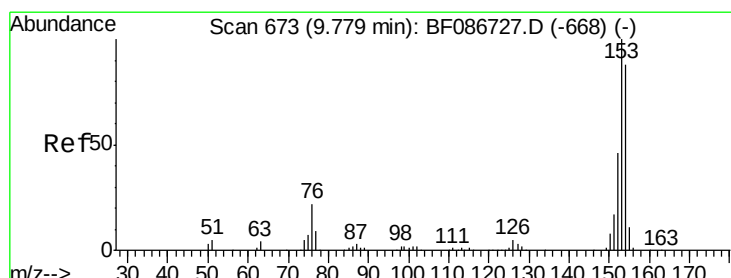
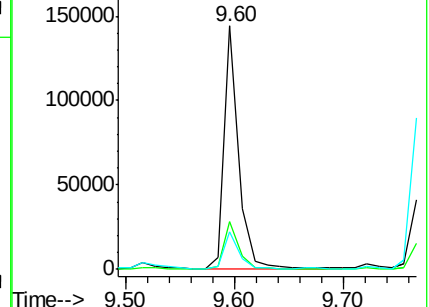
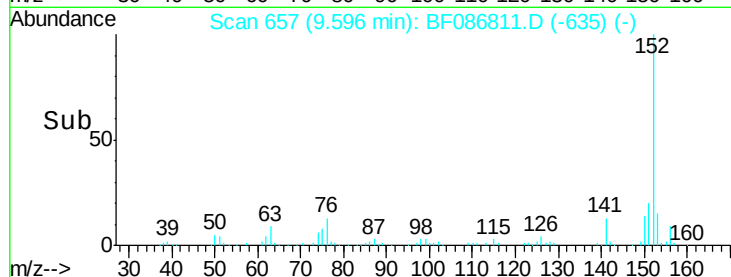
153 15.3 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 4.06 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

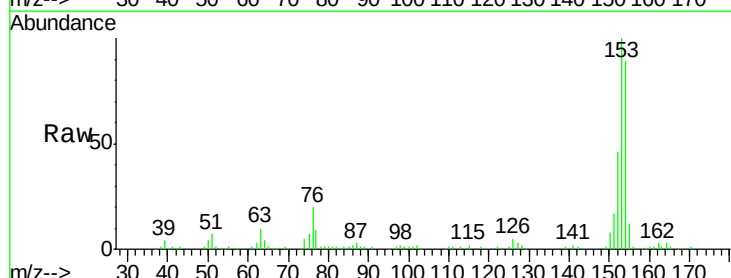
Tgt Ion:154 Resp: 71753

Ion Ratio Lower Upper

154 100

153 112.0 89.8 134.6

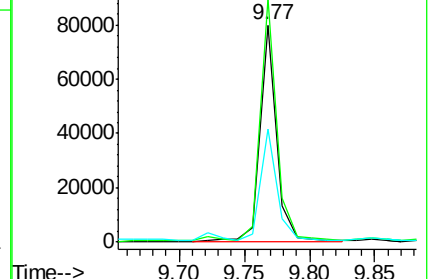
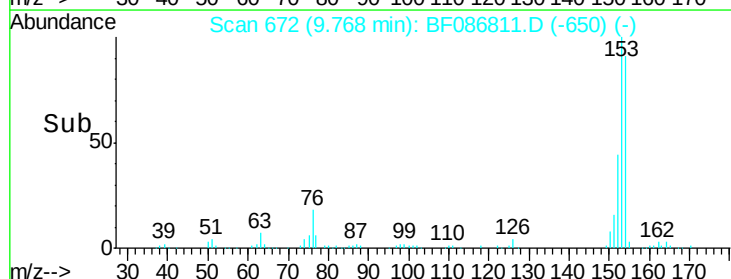
152 51.8 43.4 65.0

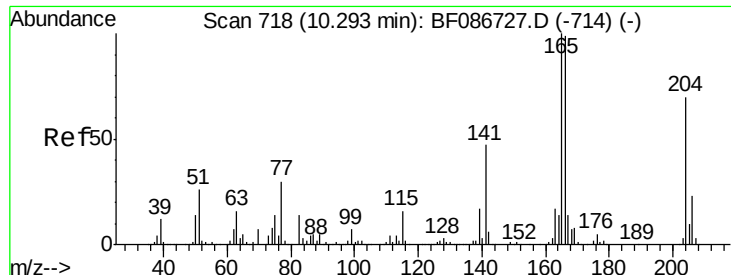


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

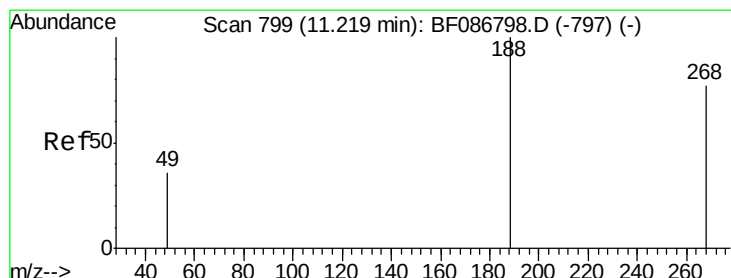
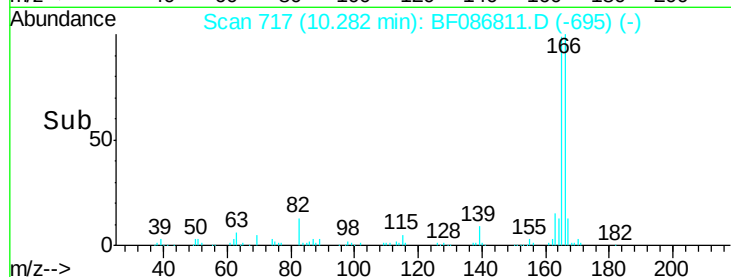
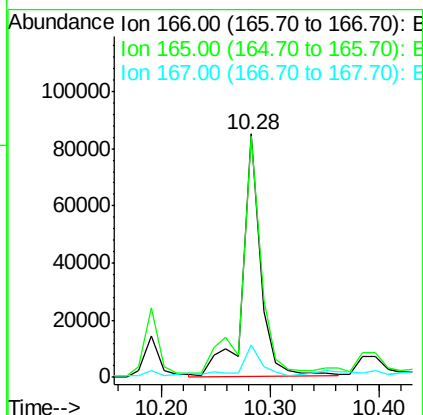
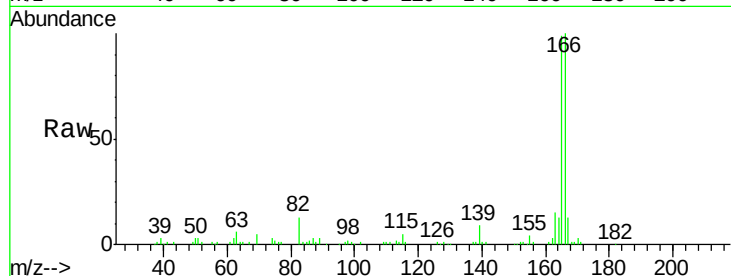




#57
Fluorene
 Concen: 5.43 ng
 RT: 10.28 min Scan# 717
 Delta R.T. -0.05 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

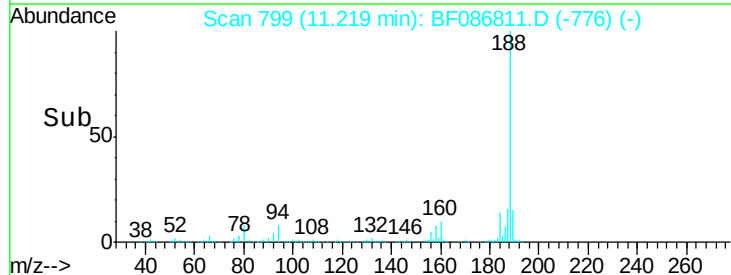
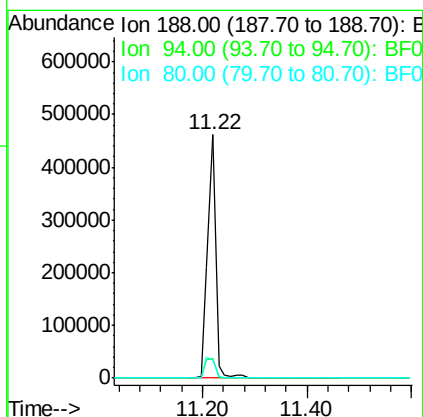
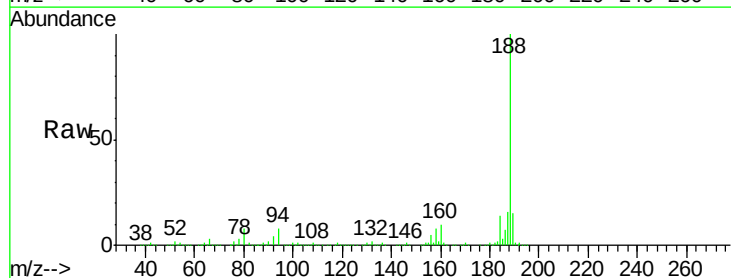
Instrument :
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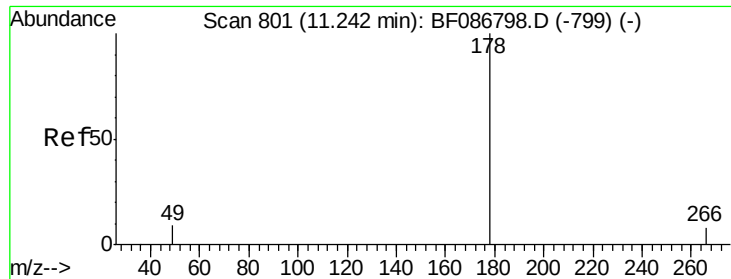
Tgt Ion:166 Resp: 96328
 Ion Ratio Lower Upper
 166 100
 165 99.0 79.0 118.6
 167 13.4 10.6 15.8



#63
Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Tgt Ion:188 Resp: 501838
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.8 10.2
 80 7.8 7.1 10.7





#70

Phenanthrene

Concen: 11.91 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

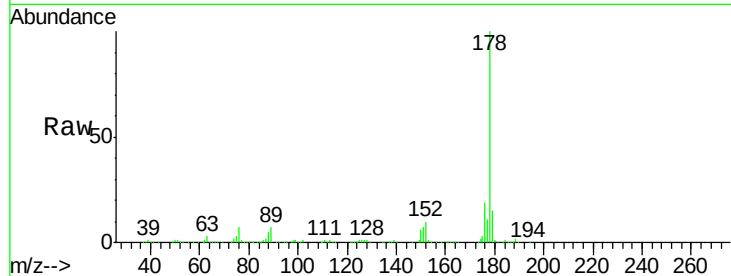
Tgt Ion:178 Resp: 321098

Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

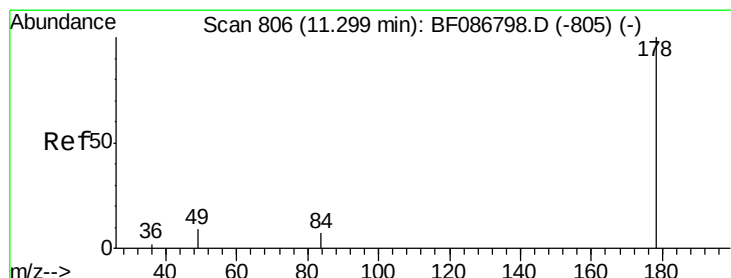
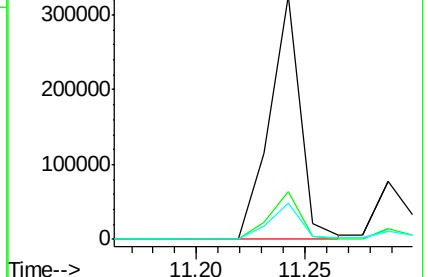
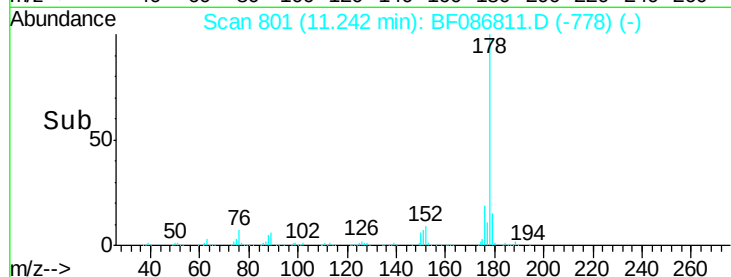
179 15.1 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.40 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

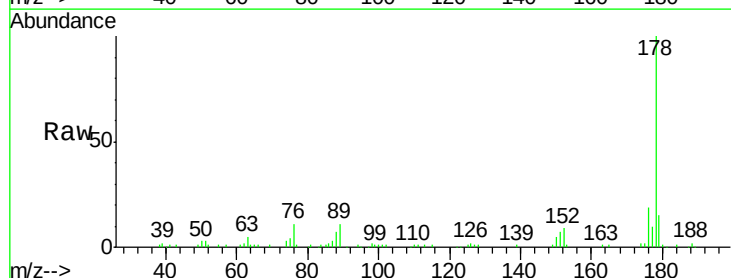
Tgt Ion:178 Resp: 96055

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

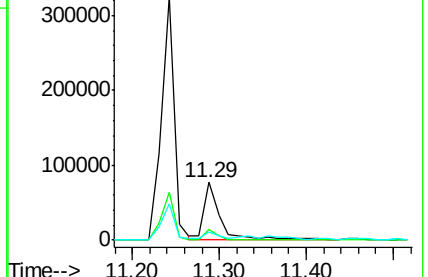
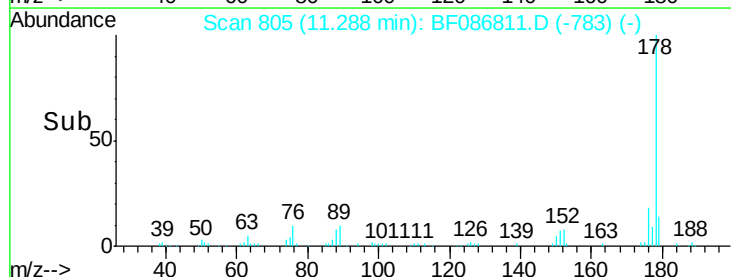
179 15.1 12.7 19.1

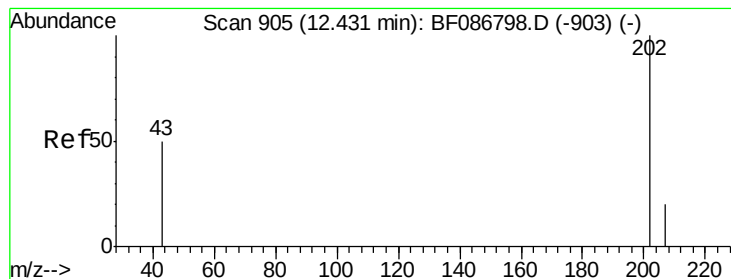


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.09 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

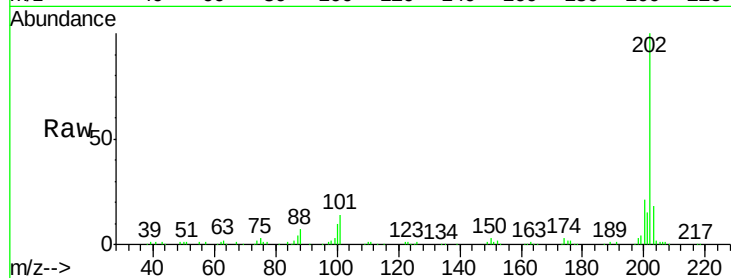
Tgt Ion:202 Resp: 110480

Ion Ratio Lower Upper

202 100

101 13.5 0.0 35.4

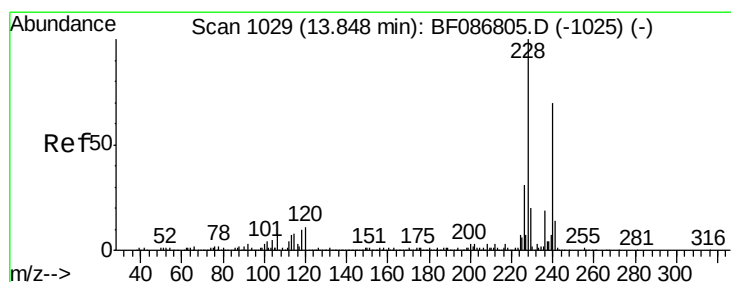
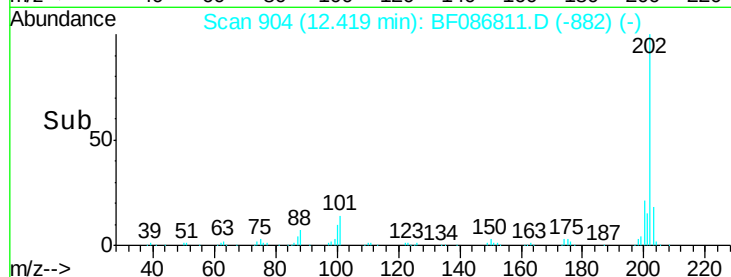
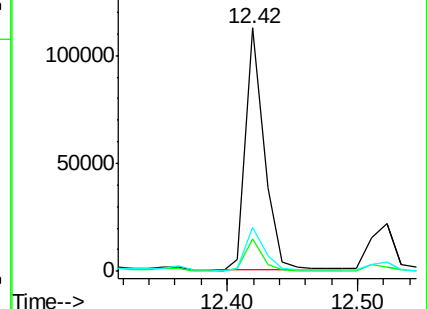
203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

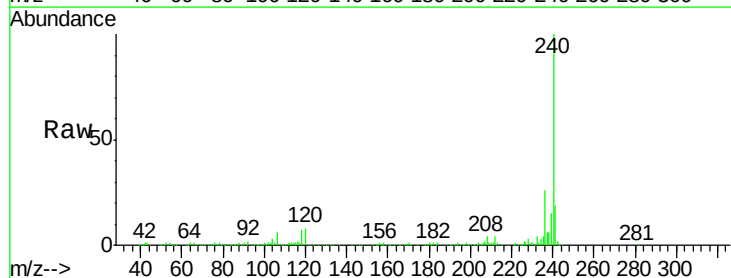
Tgt Ion:240 Resp: 335643

Ion Ratio Lower Upper

240 100

120 7.9 11.2 16.8#

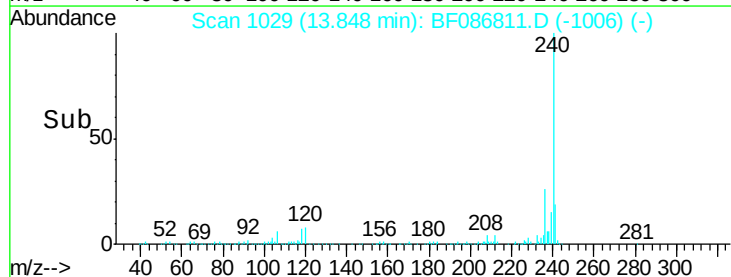
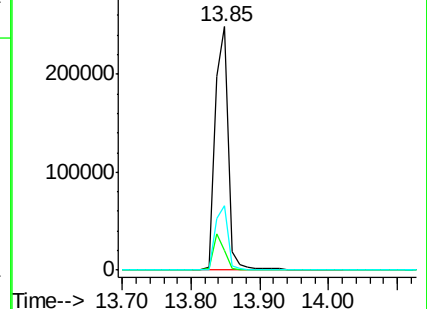
236 26.4 21.2 31.8

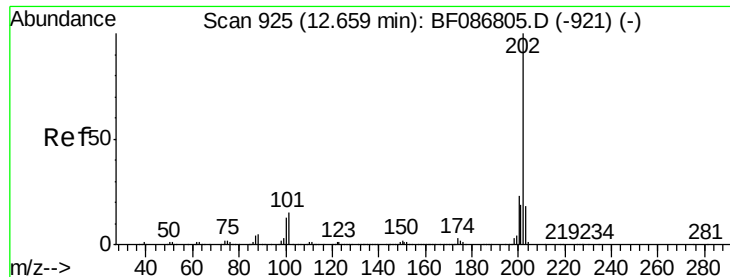


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

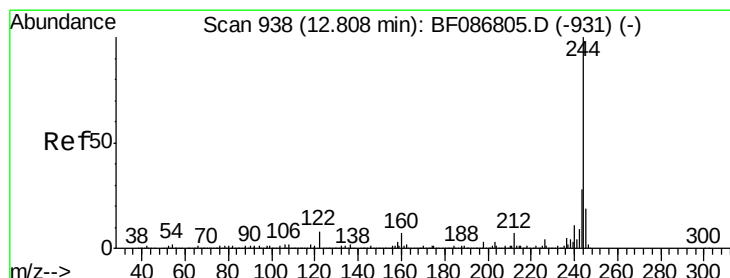
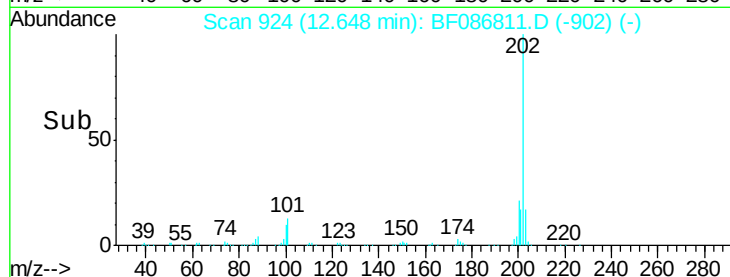
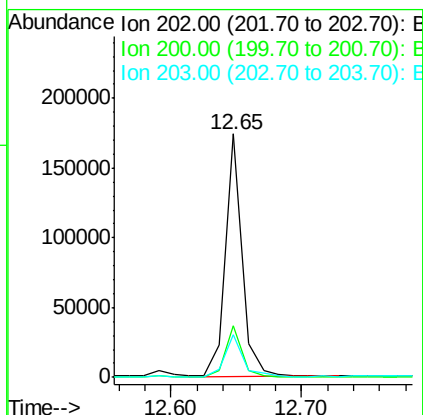
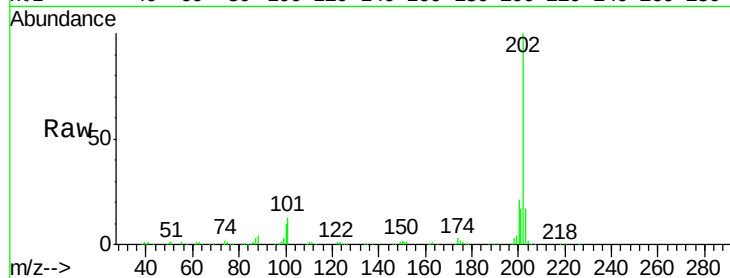




#77
 Pyrene
 Concen: 5.84 ng
 RT: 12.65 min Scan# 924
 Delta R.T. -0.05 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

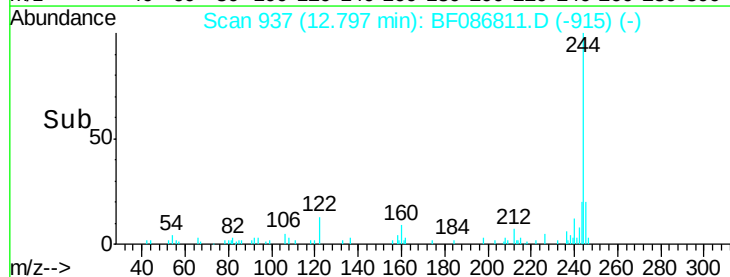
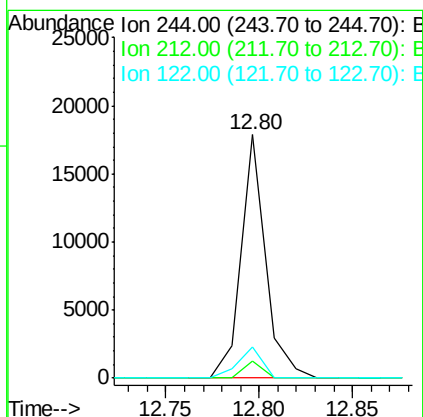
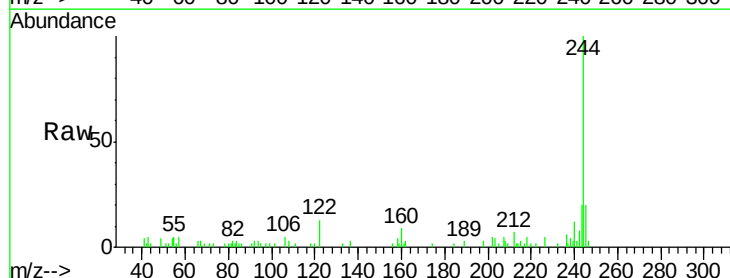
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPDL2

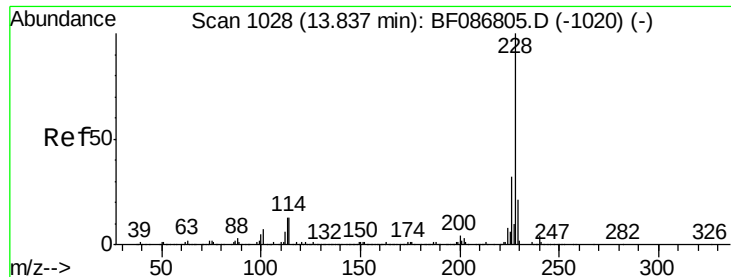
Tgt Ion:202 Resp: 156362
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.7 26.5
 203 17.5 14.2 21.4



#78
 Terphenyl-d14
 Concen: 0.99 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.05 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Tgt Ion:244 Resp: 16386
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 12.8 12.0 18.0





#80

Benzo(a)anthracene

Concen: 2.09 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

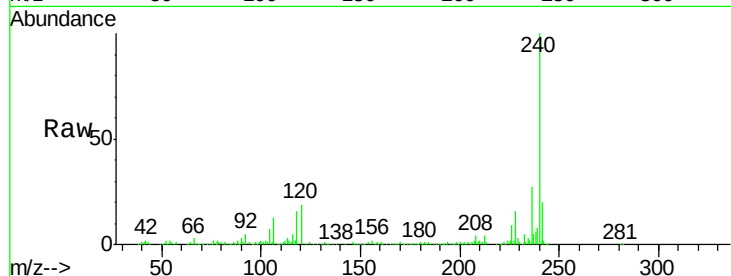
Tgt Ion:228 Resp: 39707

Ion Ratio Lower Upper

228 100

226 53.2 22.5 33.7#

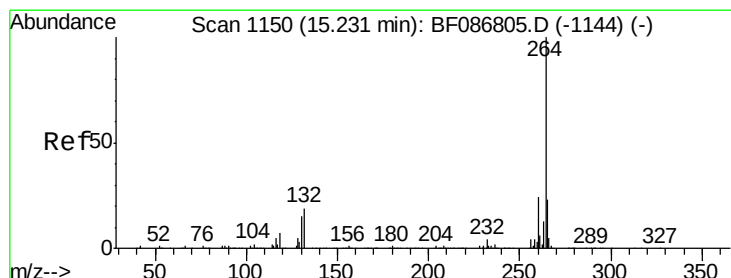
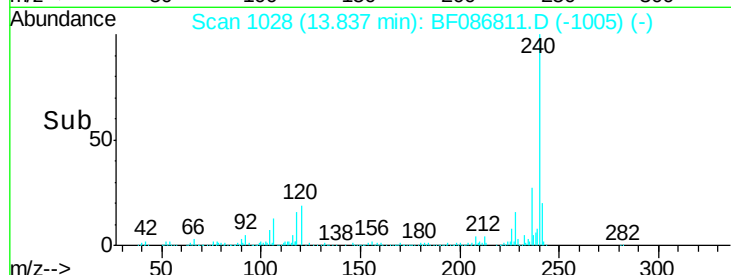
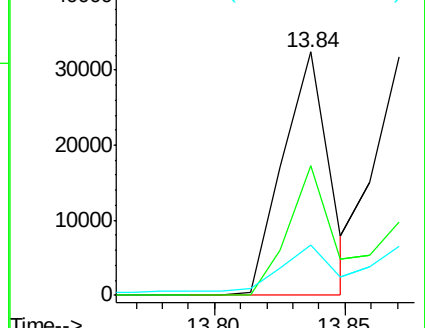
229 20.7 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 40.00 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.05 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

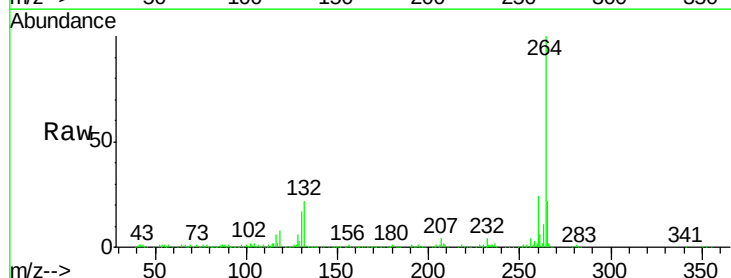
Tgt Ion:264 Resp: 303508

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.6 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

