

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 03:31:01 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

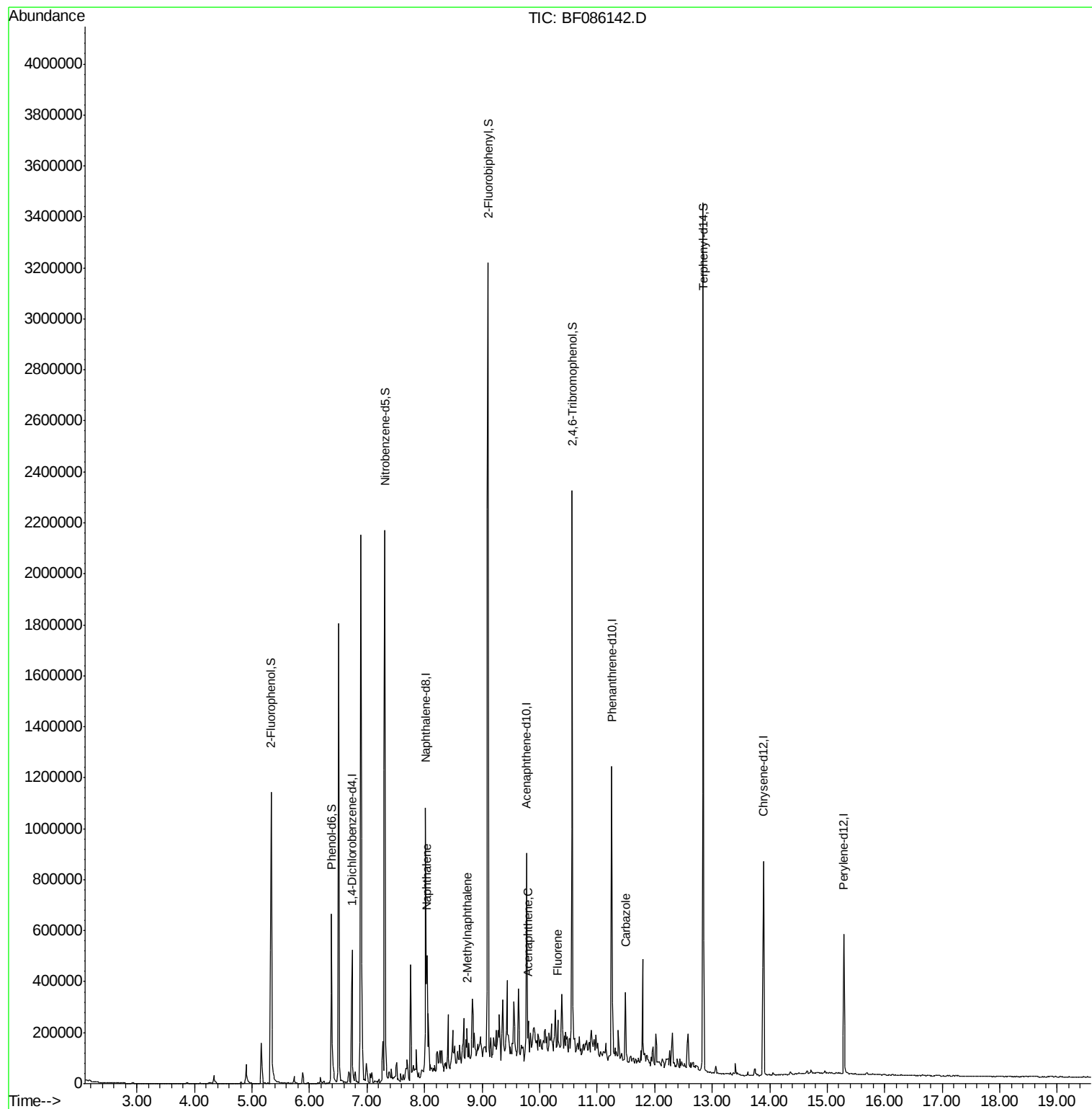
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	109677	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	441625	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	205395	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	391876	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	326539	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
31) Naphthalene	8.04	128	161269	7.26	ng	98
37) 2-Methylnaphthalene	8.74	142	43559	3.00	ng	98
51) Acenaphthene	9.80	154	27922	2.28	ng	100
57) Fluorene	10.32	166	27611	2.00	ng	# 94
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

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ClientSampleId :

RW-2-040116

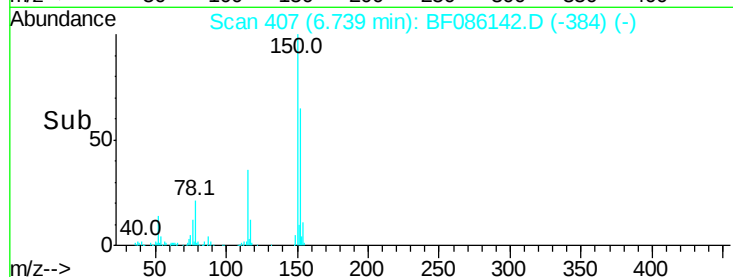
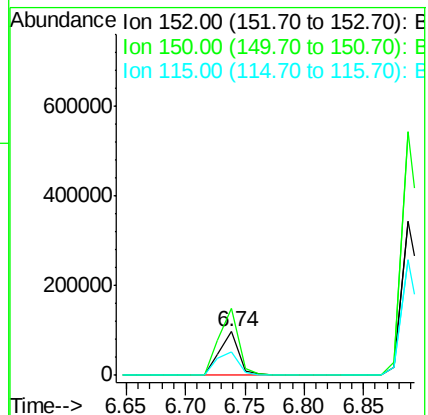
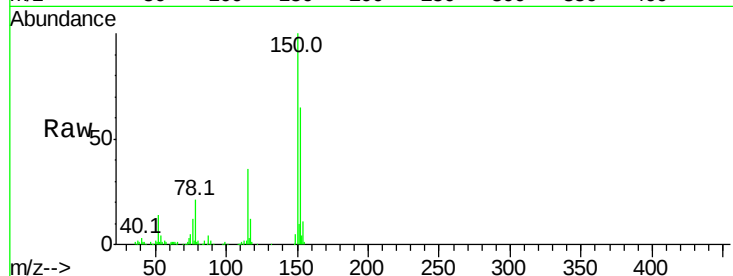
Tot Ion:152 Resp: 109677

Ion Ratio Lower Upper

152 100

150 153.1 124.2 186.2

115 55.1 47.0 70.6



#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

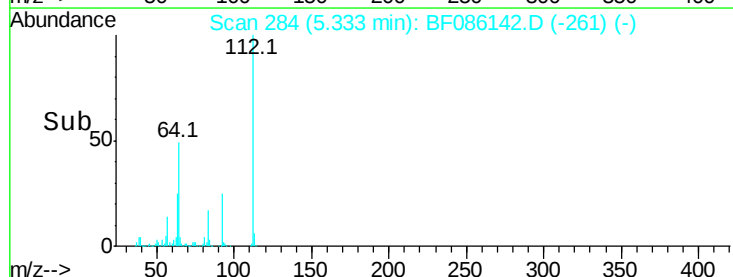
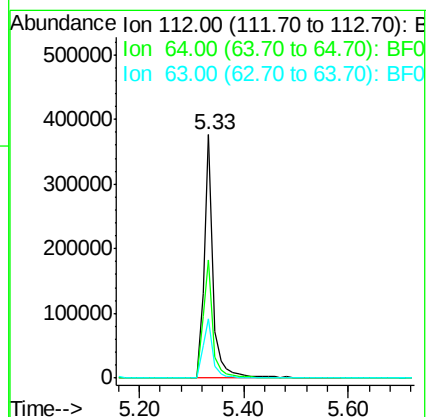
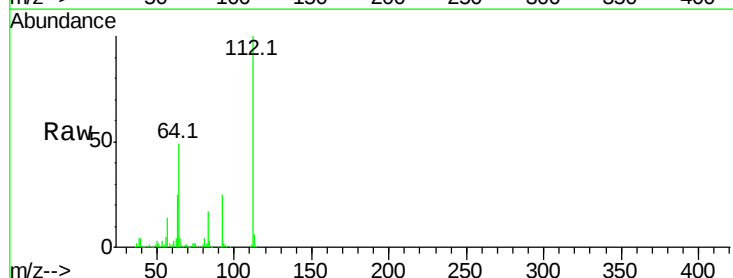
Tgt Ion:112 Resp: 454025

Ion Ratio Lower Upper

112 100

64 48.6 39.9 59.9

63 24.6 20.2 30.2





#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

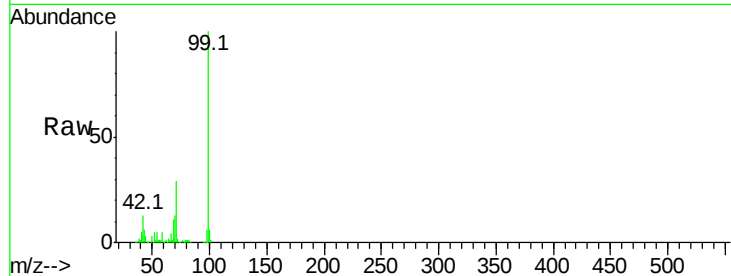
Tot Ion: 99 Resp: 347489

Ion Ratio Lower Upper

99 100

42 13.1 11.1 16.7

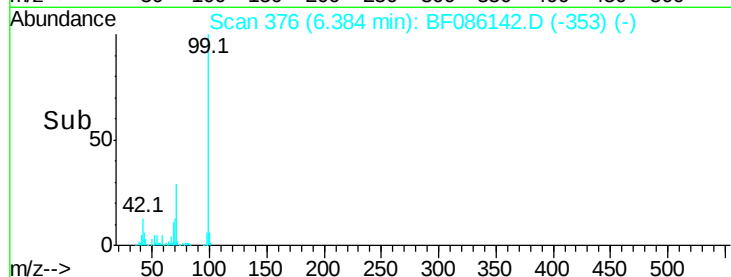
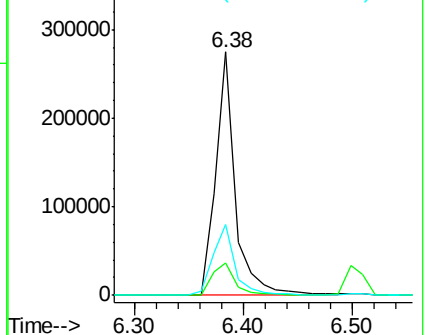
71 29.2 24.9 37.3



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



#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

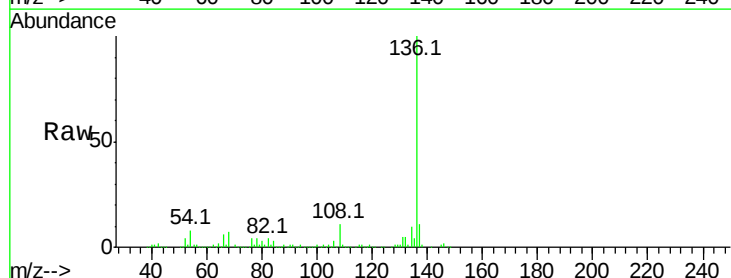
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.0 7.4 11.0

68 6.9 5.8 8.8

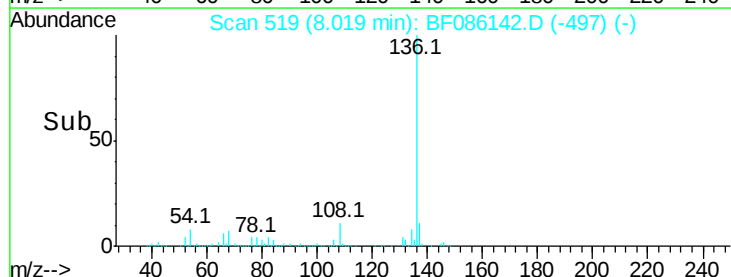
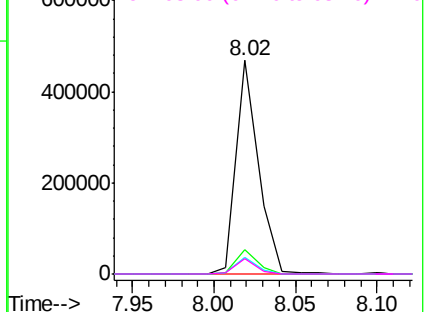


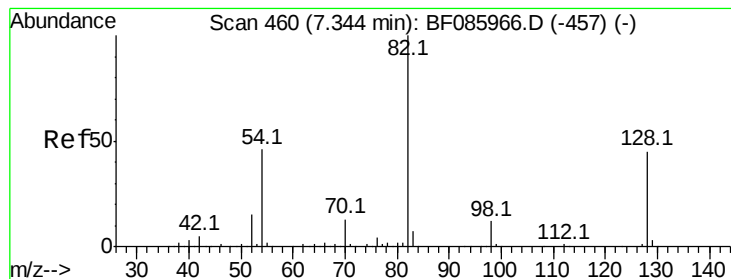
Abundance Ion 136.00 (135.70 to 136.70): E

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: 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

ClientSampleId :

RW-2-040116

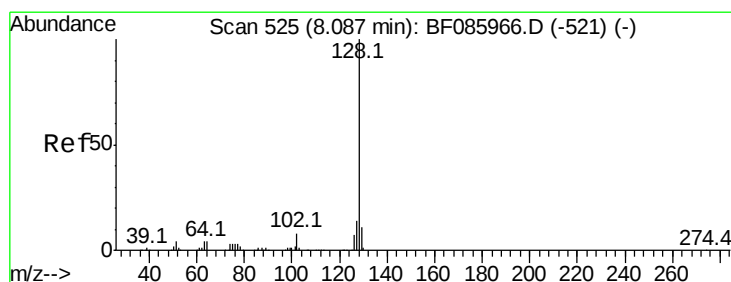
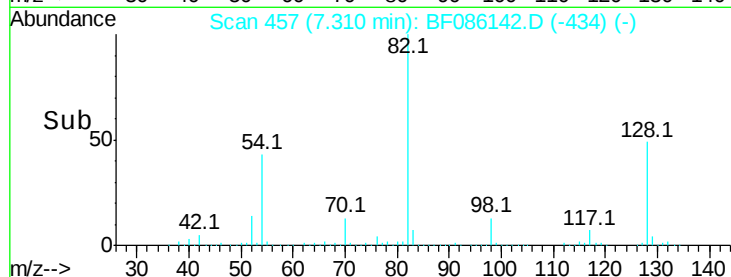
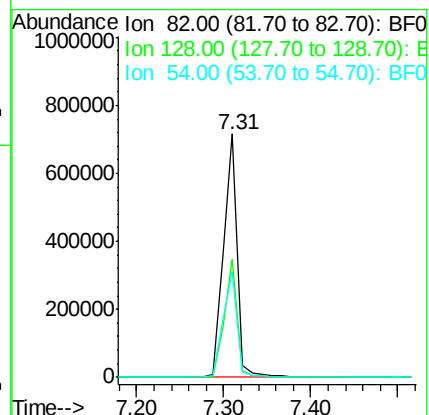
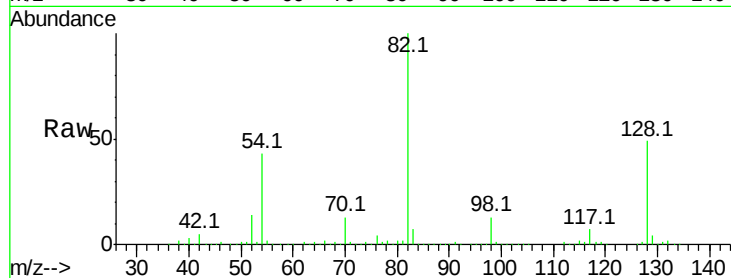
Tot Ion: 82 Resp: 797589

Ion Ratio Lower Upper

82 100

128 48.7 41.8 62.8

54 43.3 33.4 50.0



#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

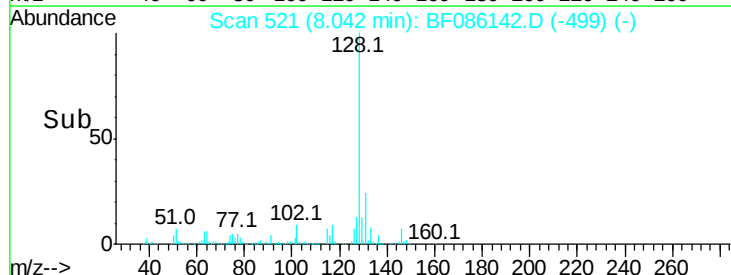
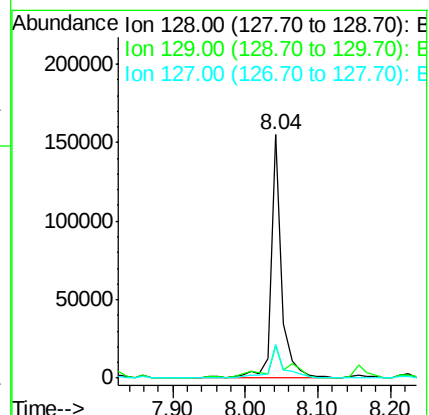
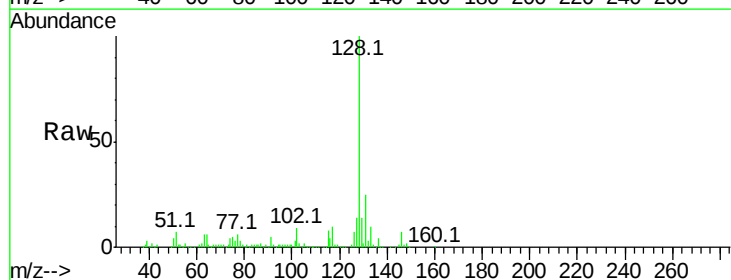
Tgt Ion:128 Resp: 161269

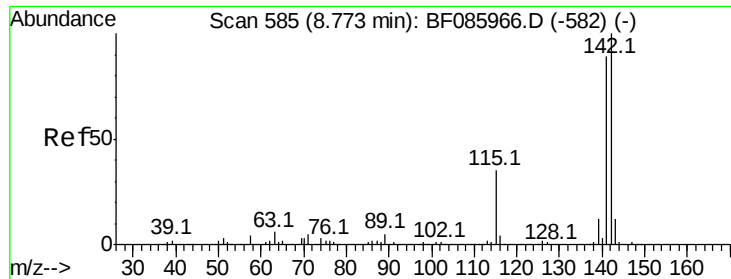
Ion Ratio Lower Upper

128 100

129 13.5 9.4 14.0

127 13.6 11.0 16.6

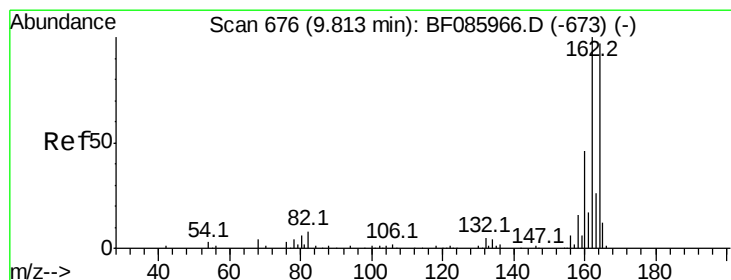
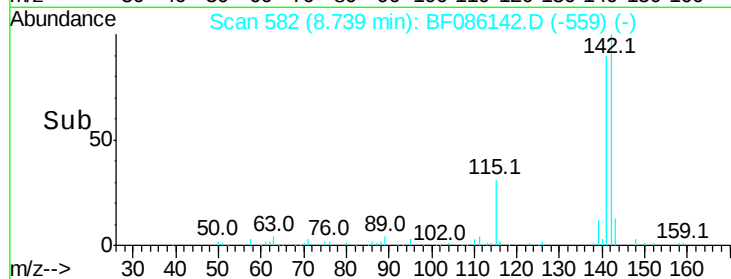
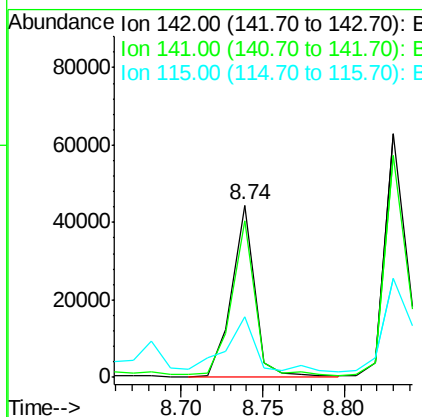
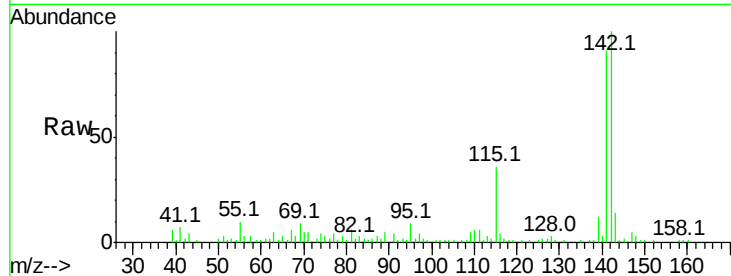




#37
2-Methylnaphthalene
Concen: 3.00 ng
RT: 8.74 min Scan# 582
Delta R.T. -0.03 min
Lab File: BF086142.D
Acq: 7 Apr 2016 21:02

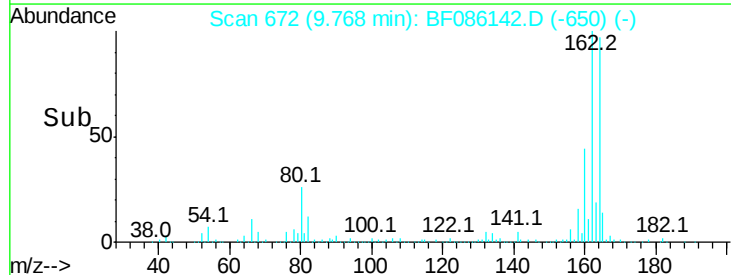
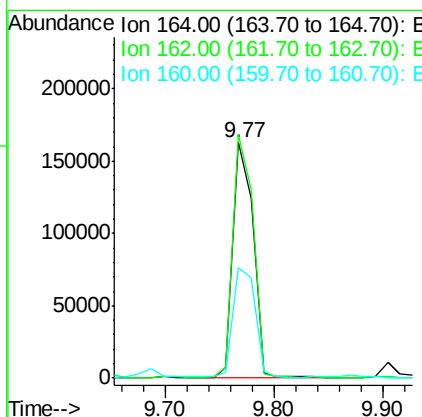
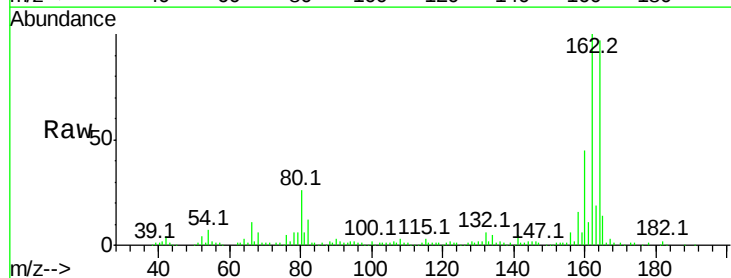
Instrument :
BNA_F
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RW-2-040116

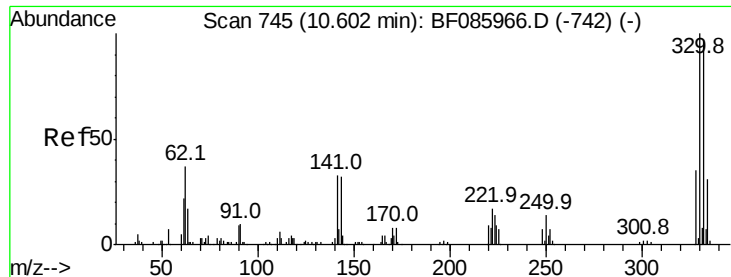
Tot Ion:142 Resp: 43559
Ion Ratio Lower Upper
142 100
141 91.0 71.6 107.4
115 35.5 26.8 40.2



#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

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

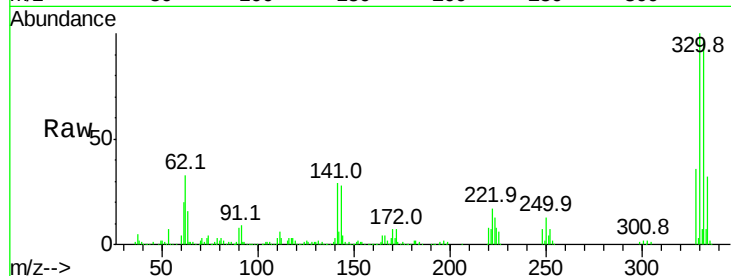




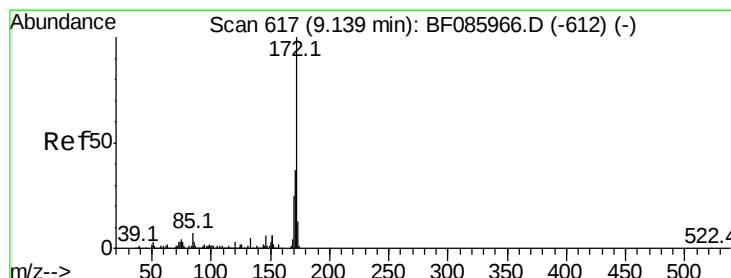
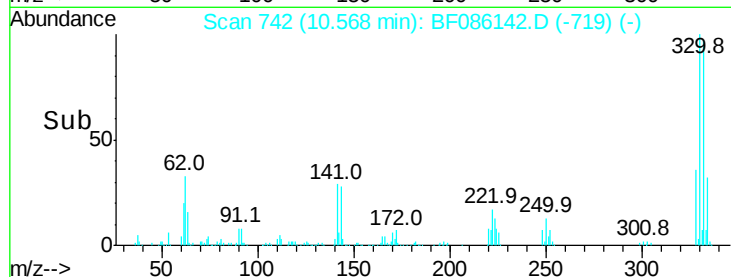
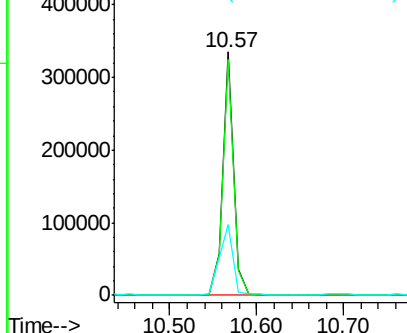
#41
 2,4,6-Tribromophenol
 Concen: 154.95 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RW-2-040116

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.2
141	35.7	31.5	47.3

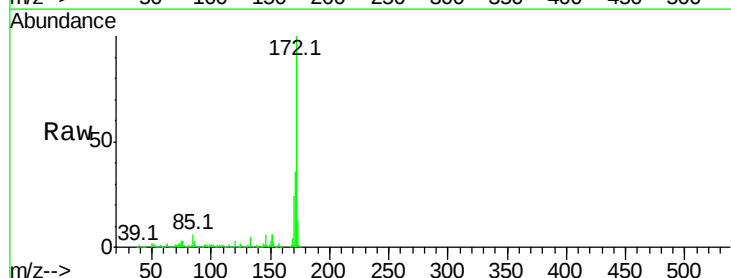


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

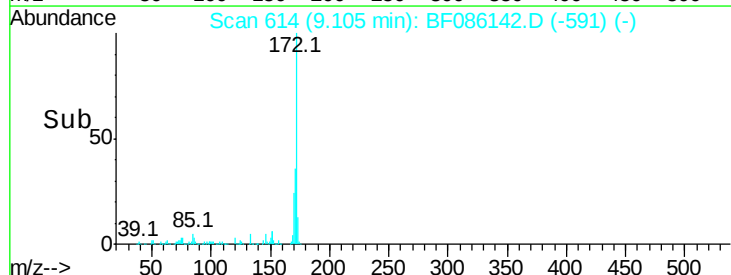
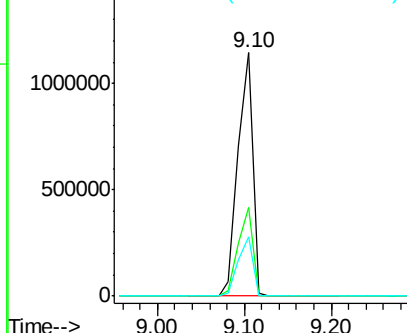


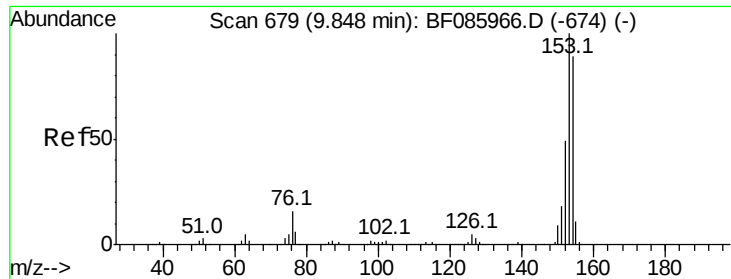
#44
 2-Fluorobiphenyl
 Concen: 107.75 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086142.D
 Acq: 7 Apr 2016 21:02

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



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





#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

Instrument :

BNA_F

ClientSampleId :

RW-2-040116

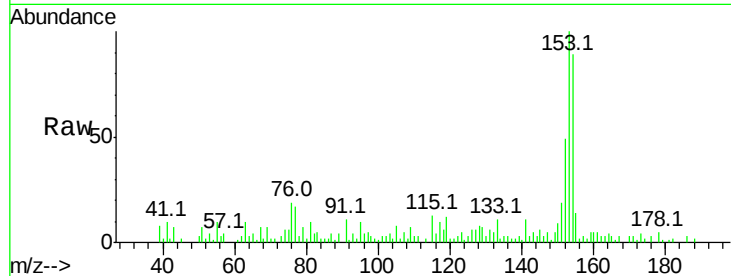
Tot Ion:154 Resp: 27922

Ion Ratio Lower Upper

154 100

153 113.0 90.1 135.1

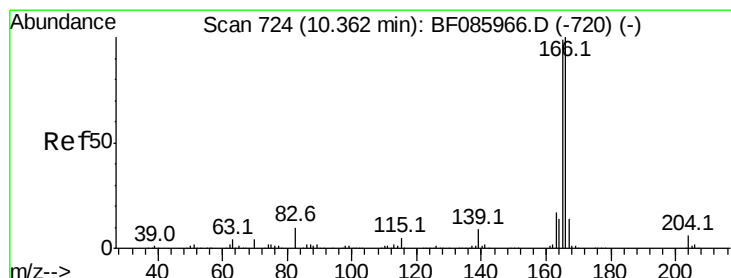
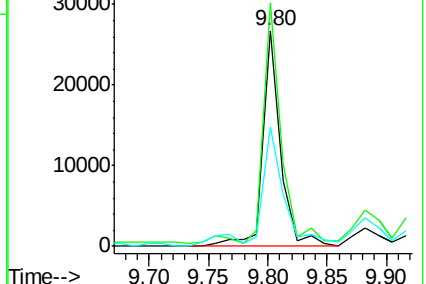
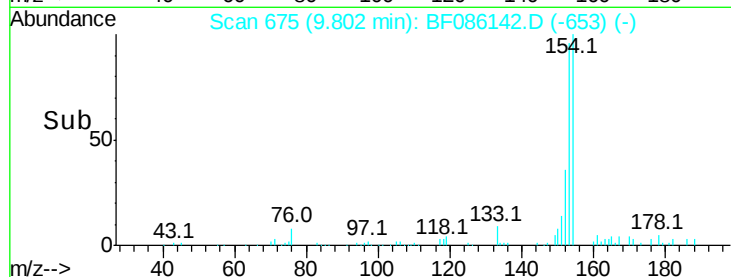
152 55.3 44.2 66.2



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: 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

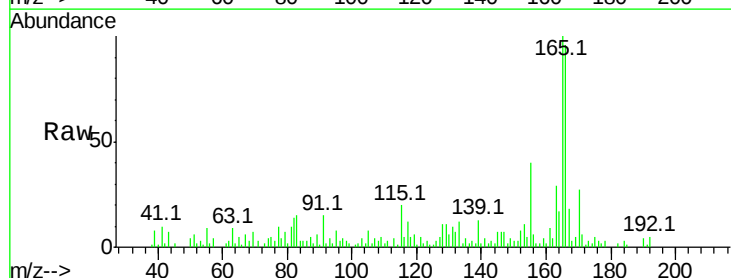
Tgt Ion:166 Resp: 27611

Ion Ratio Lower Upper

166 100

165 103.9 79.4 119.0

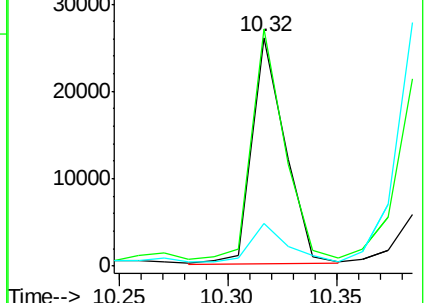
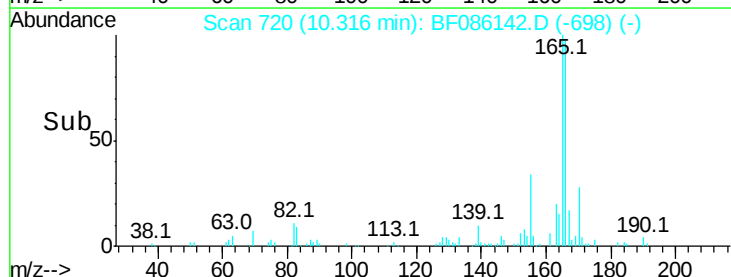
167 18.5 11.0 16.4#

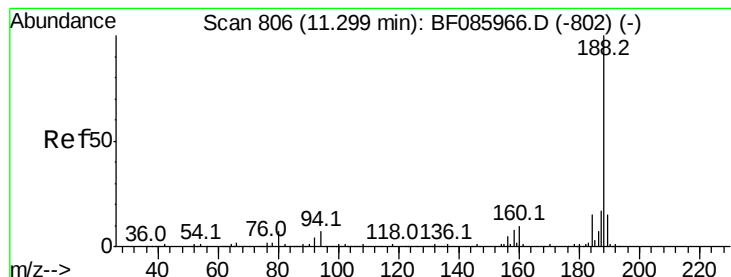


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#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

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RW-2-040116

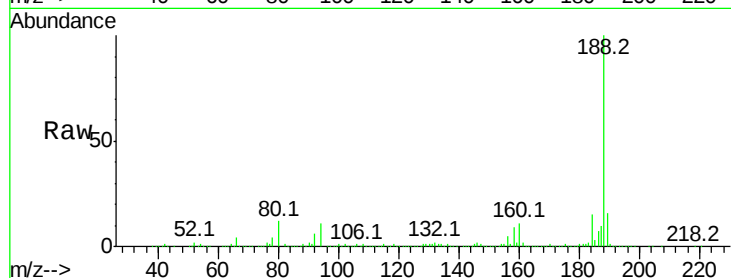
Tot Ion:188 Resp: 391876

Ion Ratio Lower Upper

188 100

94 11.3 5.4 8.0#

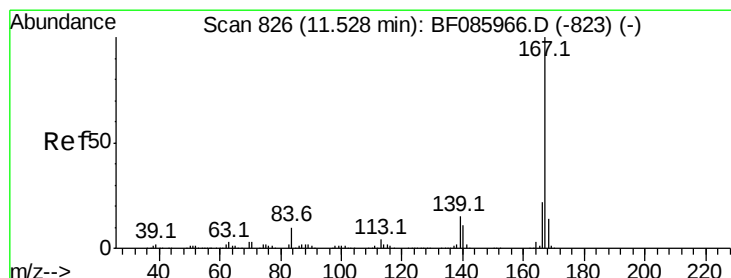
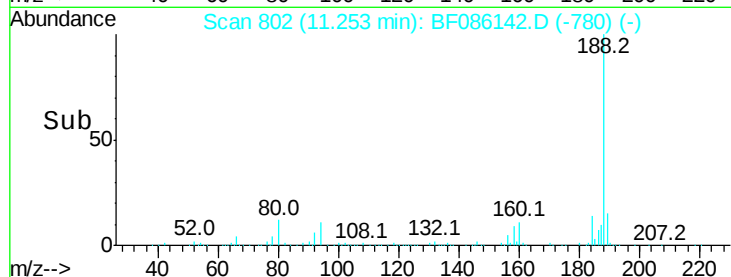
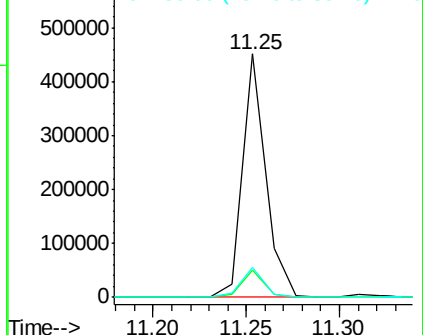
80 12.1 5.5 8.3#



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



#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

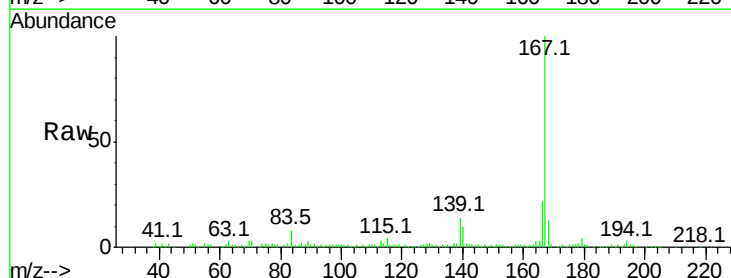
Tgt Ion:167 Resp: 100013

Ion Ratio Lower Upper

167 100

166 21.7 17.8 26.8

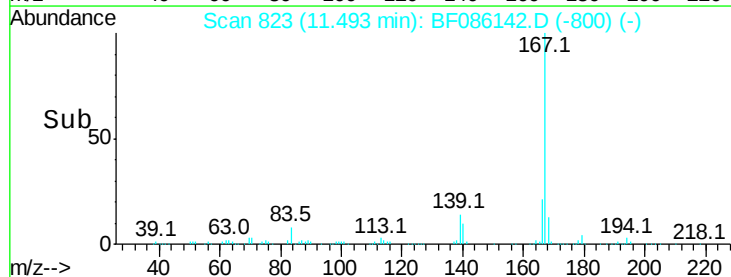
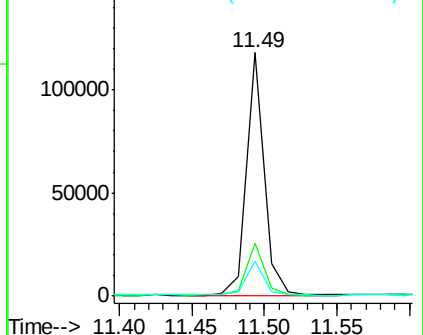
139 14.2 11.6 17.4

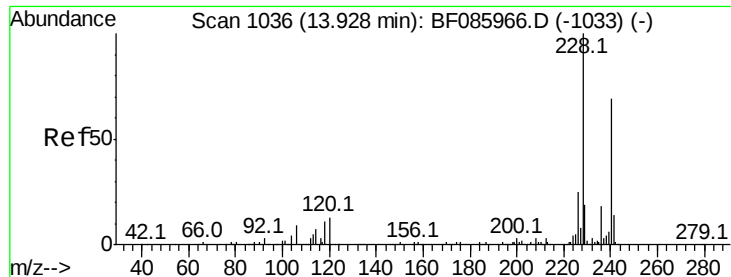


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#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

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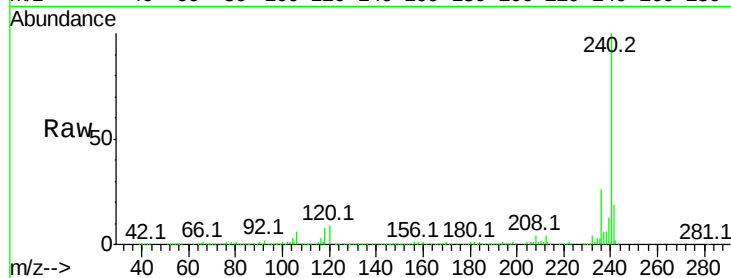
Tot Ion:240 Resp: 326539

Ion Ratio Lower Upper

240 100

120 9.5 13.8 20.8#

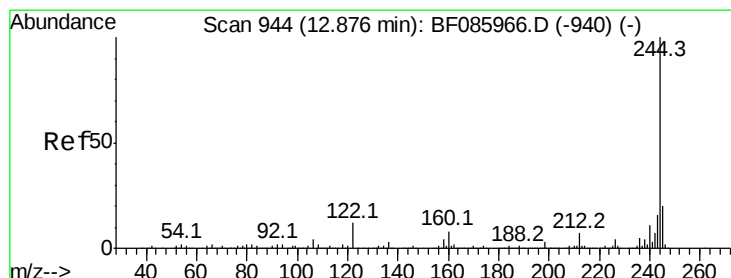
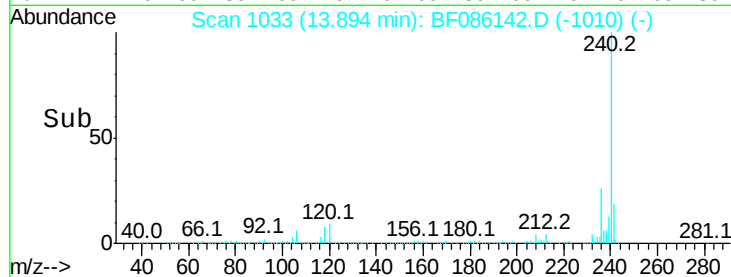
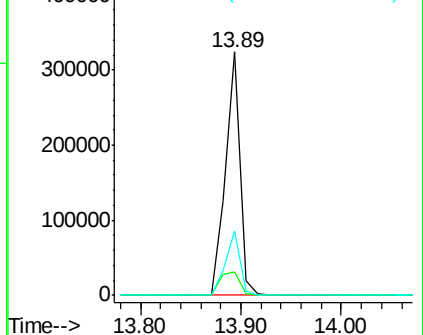
236 26.3 20.6 30.8



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



#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

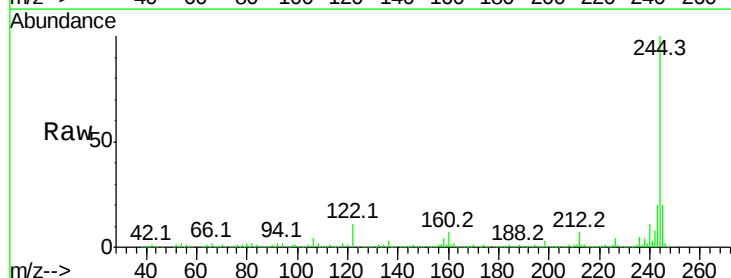
Tgt Ion:244 Resp: 1158082

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

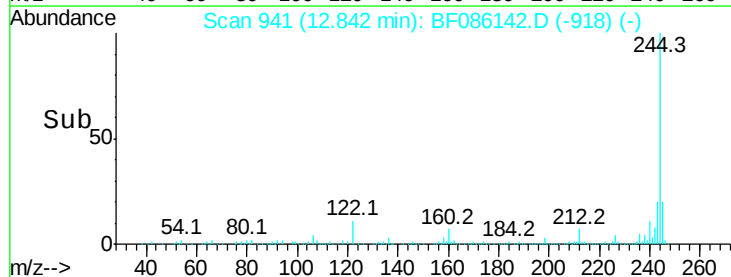
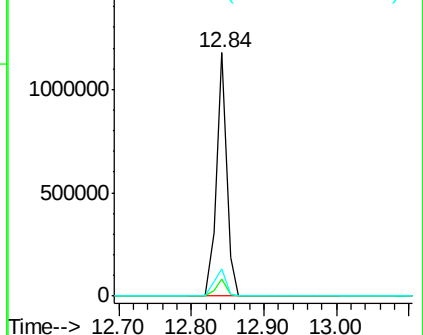
122 11.1 10.2 15.4

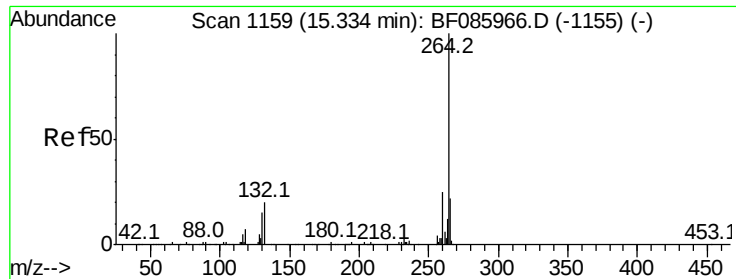


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

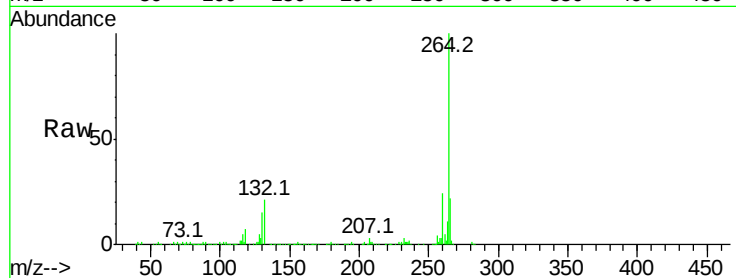




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.05 min
Lab File: BF086142.D
Acq: 7 Apr 2016 21:02

Instrument :
BNA_F
ClientSampleId :
RW-2-040116

Tot 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

