

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
 Data File : BF084346.D
 Acq On : 9 Jan 2016 1:26
 Operator : SJ/UM
 Sample : H1036-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-DRUM1

Quant Time: Jan 09 04:49:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

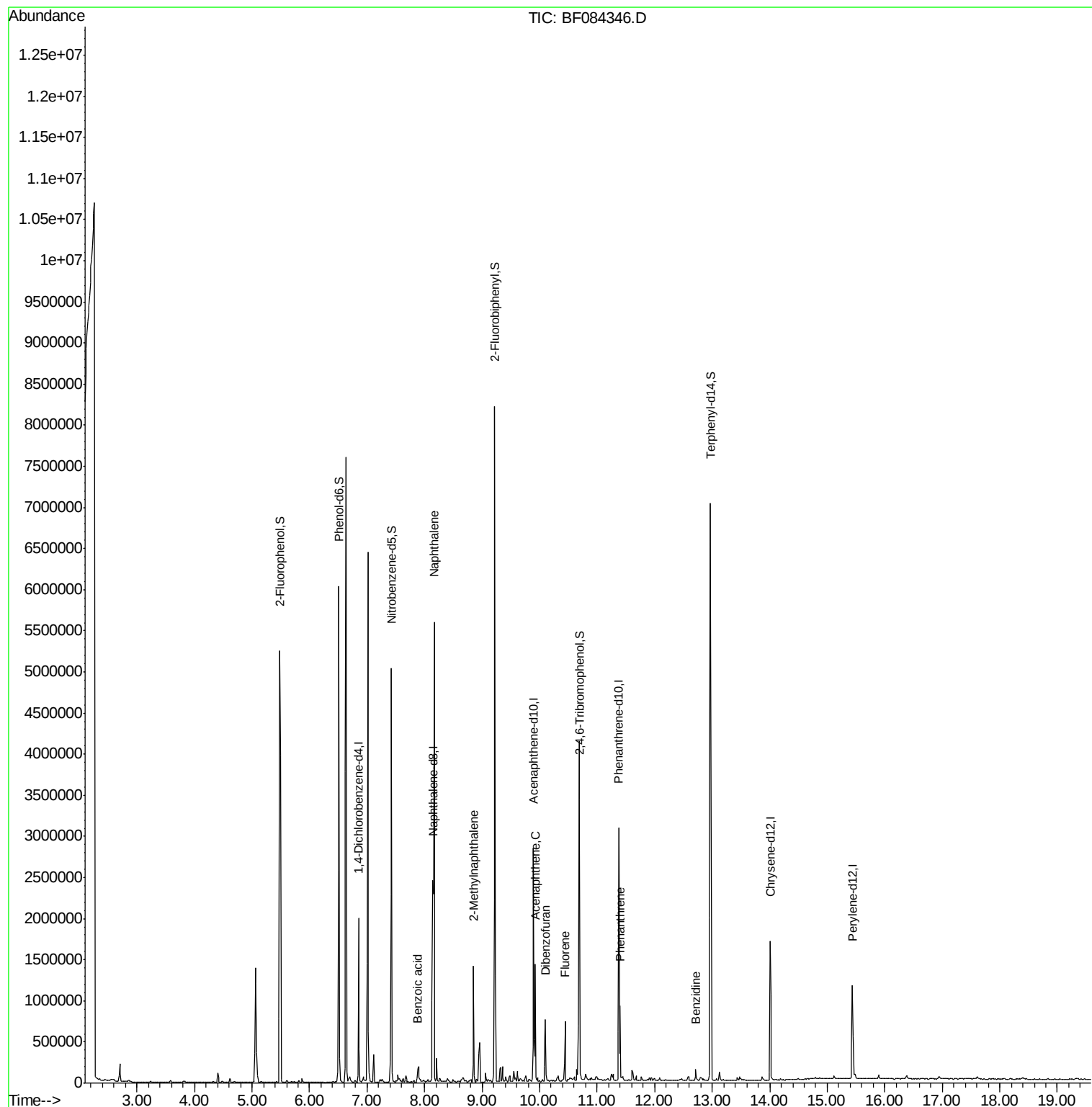
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	262502	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1163084	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	537076	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	1016622	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	729308	20.00	ng	-0.06
86) Perylene-d12	15.44	264	535050	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1924474	118.58	ng	-0.01
7) Phenol-d6	6.51	99	2013585	98.79	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1715862	82.11	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	760295	140.22	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2547914	83.33	ng	-0.05
78) Terphenyl-d14	12.97	244	2709350	82.92	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.17	128	2514348	47.65	ng	98
32) Benzoic acid	7.88	122	9841	6.93	ng	# 82
37) 2-Methylnaphthalene	8.85	142	351325	9.27	ng	99
51) Acenaphthene	9.93	154	305127	9.18	ng	98
54) Dibenzofuran	10.10	168	282585	3.85	ng	99
57) Fluorene	10.44	166	204734	3.98	ng	98
70) Phenanthrene	11.40	178	318401	5.99	ng	99
76) Benzidine	12.72	184	66772	2.55	ng	98

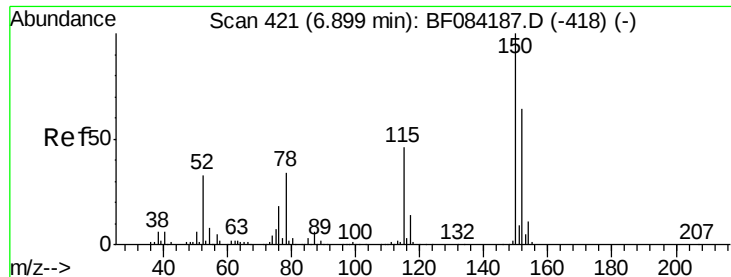
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Jan 09 04:49:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

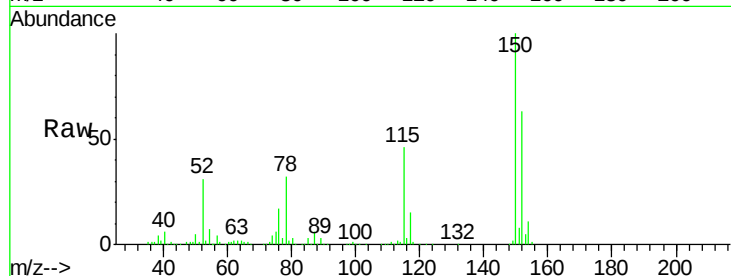
Tgt Ion:152 Resp: 262502

Ion Ratio Lower Upper

152 100

150 159.5 123.0 184.4

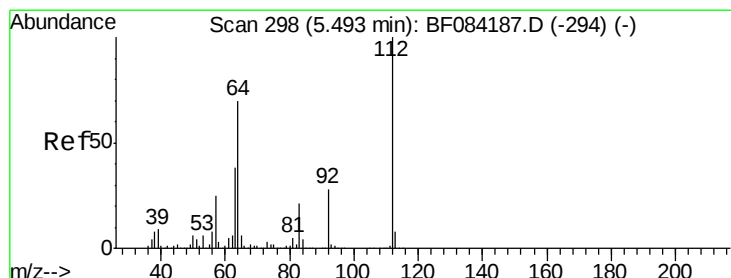
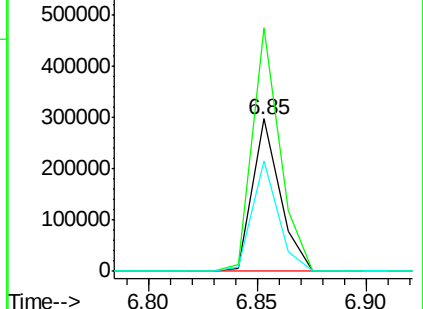
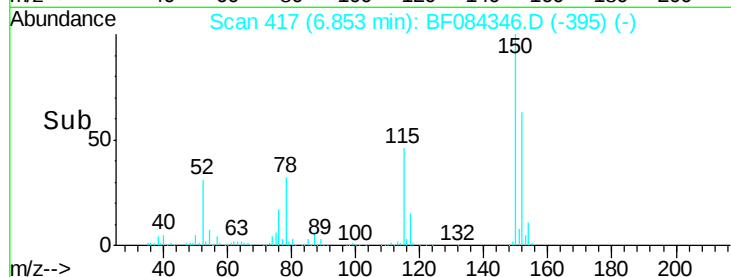
115 72.6 51.4 77.2



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: 118.58 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

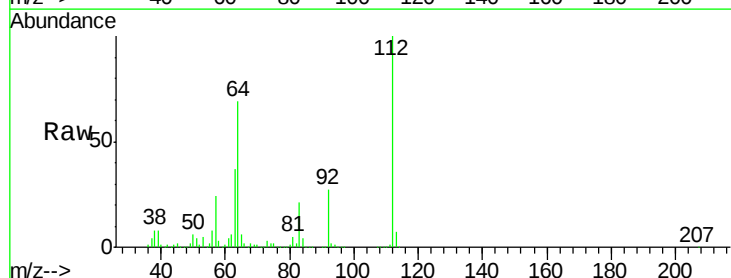
Tgt Ion:112 Resp: 1924474

Ion Ratio Lower Upper

112 100

64 69.4 36.6 55.0#

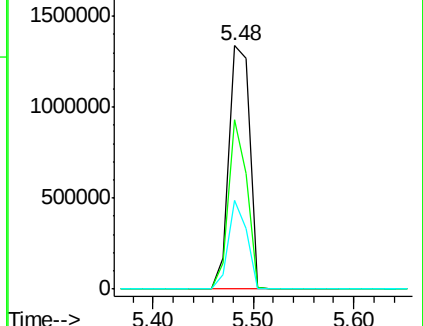
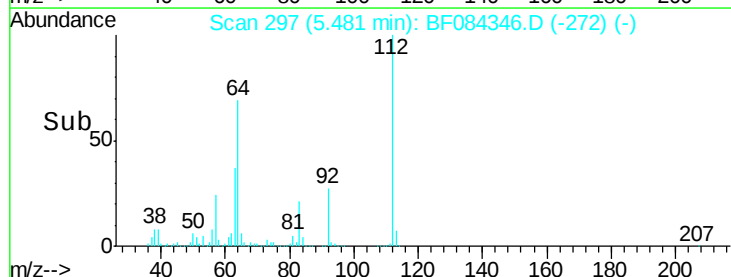
63 36.7 19.4 29.0#

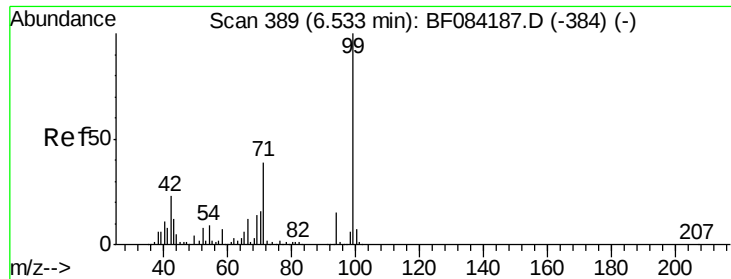


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.79 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

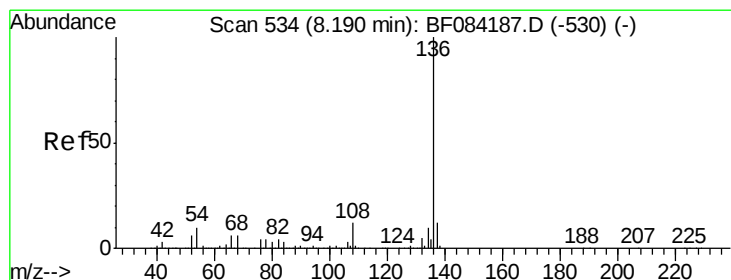
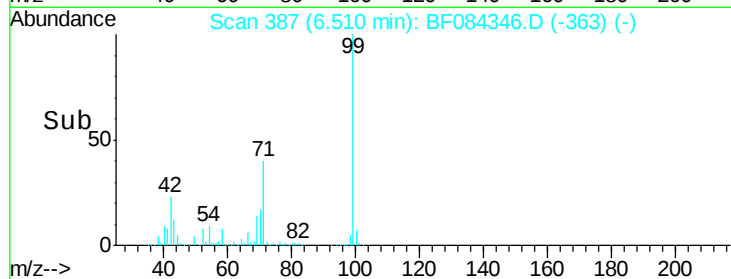
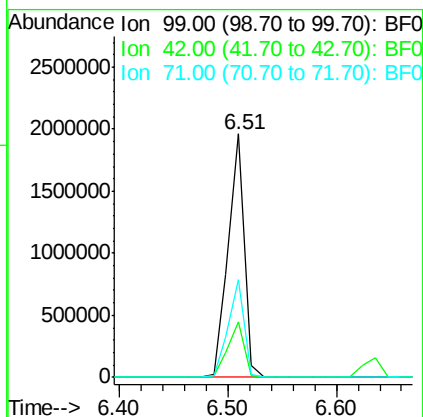
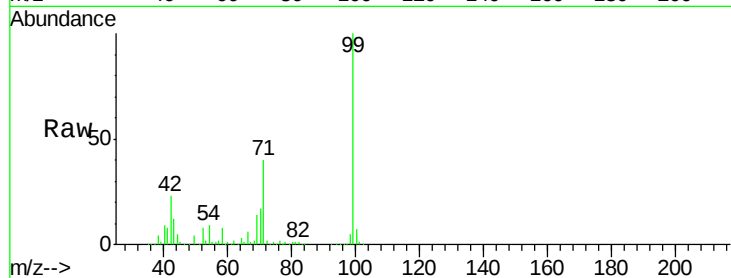
BNA_F

ClientSampleId :

WC-DRUM1

Tgt Ion: 99 Resp: 2013585

Ion	Ratio	Lower	Upper
99	100		
42	22.6	12.8	19.2#
71	40.3	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

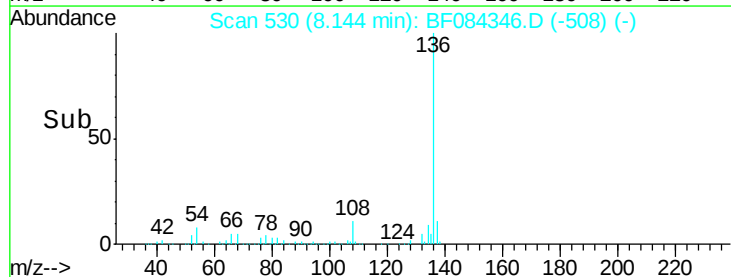
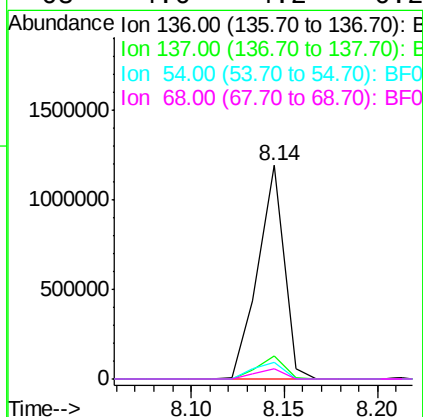
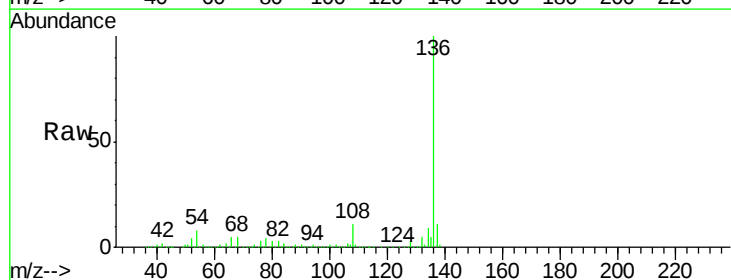
Delta R.T. -0.05 min

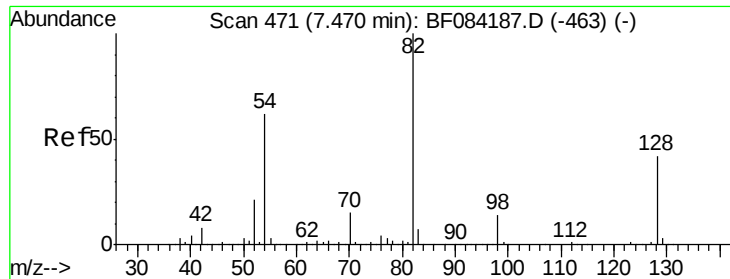
Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Tgt Ion: 136 Resp: 1163084

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.6	5.8	8.8
68	4.6	4.2	6.2





#23

Nitrobenzene-d5

Concen: 82.11 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

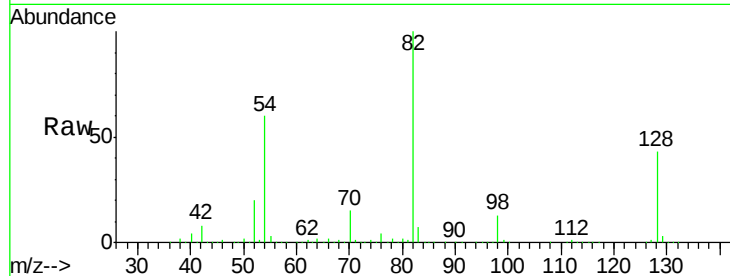
Tgt Ion: 82 Resp: 1715862

Ion Ratio Lower Upper

82 100

128 43.0 34.6 51.8

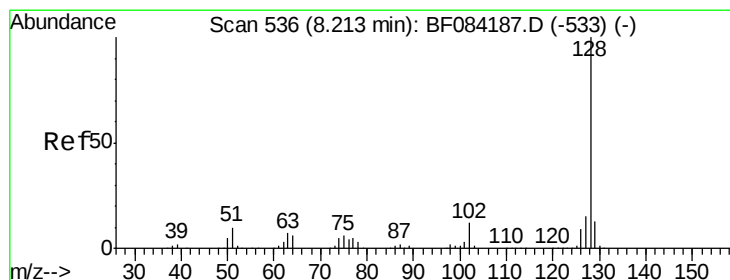
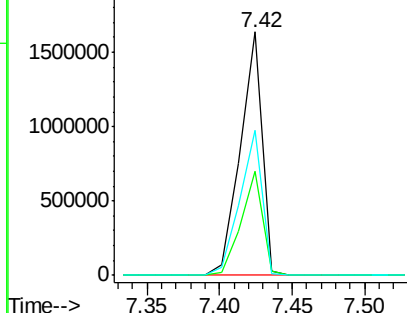
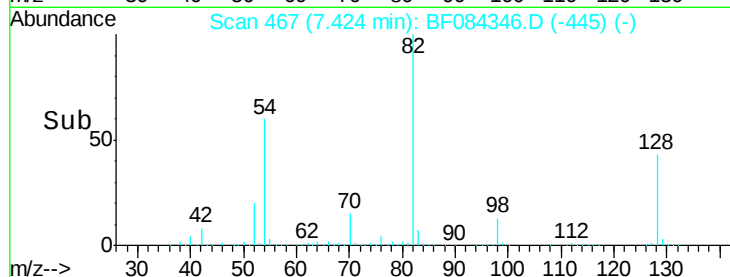
54 59.8 38.4 57.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 47.65 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

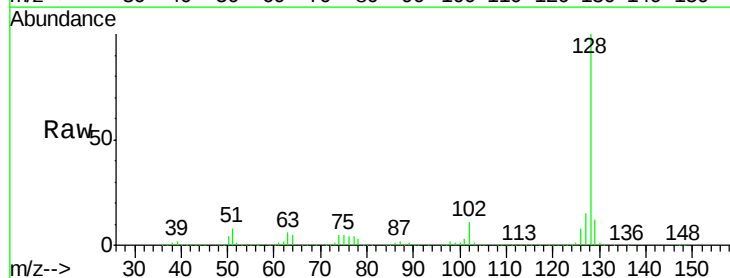
Tgt Ion: 128 Resp: 2514348

Ion Ratio Lower Upper

128 100

129 12.4 9.1 13.7

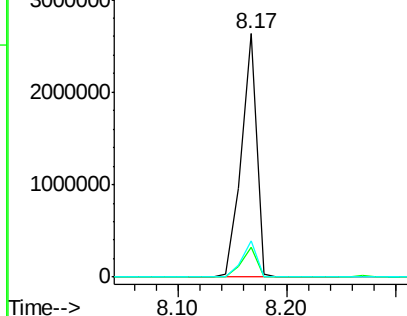
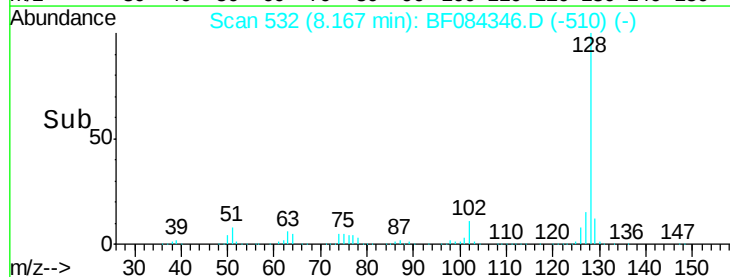
127 14.9 11.1 16.7

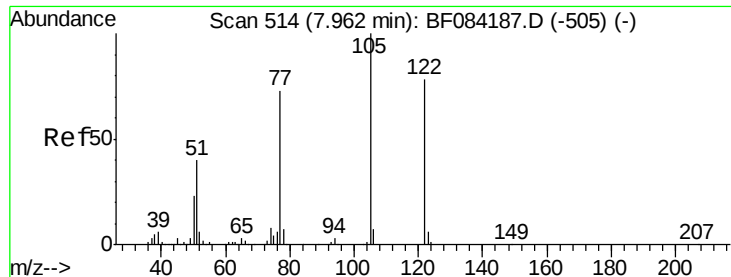


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 6.93 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.08 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

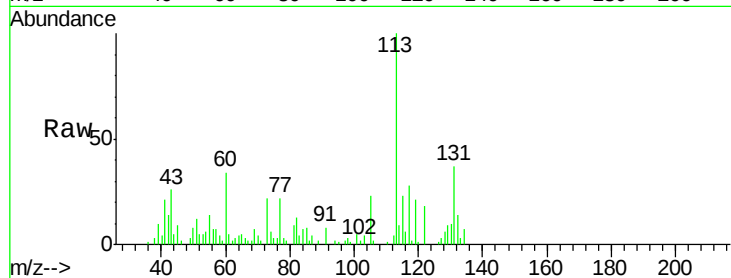
Tgt Ion:122 Resp: 9841

Ion Ratio Lower Upper

122 100

105 123.7 100.3 140.3

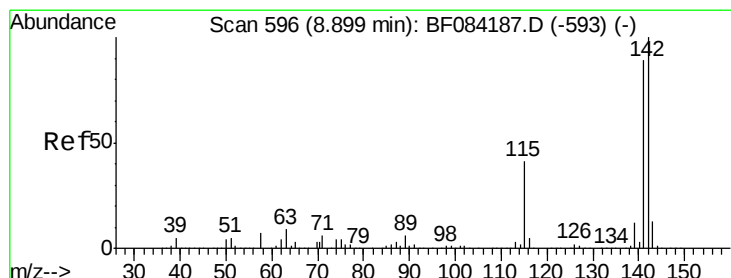
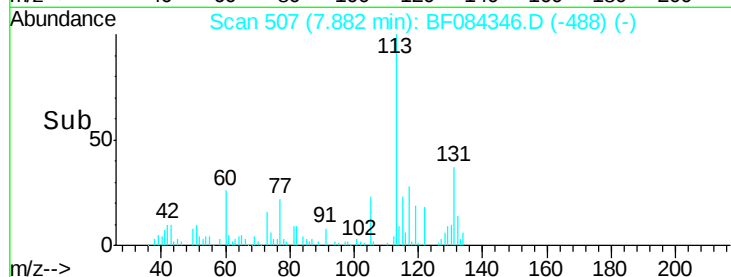
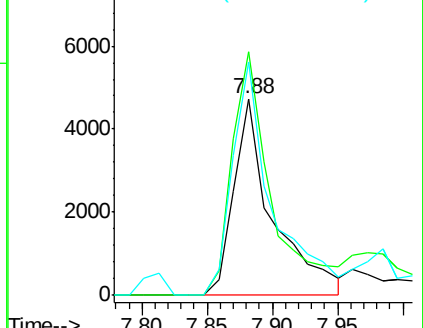
77 118.6 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#37

2-Methylnaphthalene

Concen: 9.27 ng

RT: 8.85 min Scan# 592

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

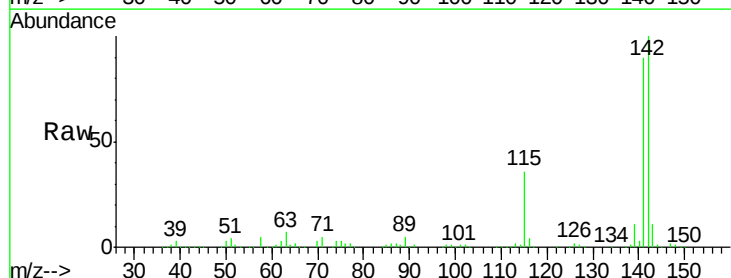
Tgt Ion:142 Resp: 351325

Ion Ratio Lower Upper

142 100

141 90.0 72.4 108.6

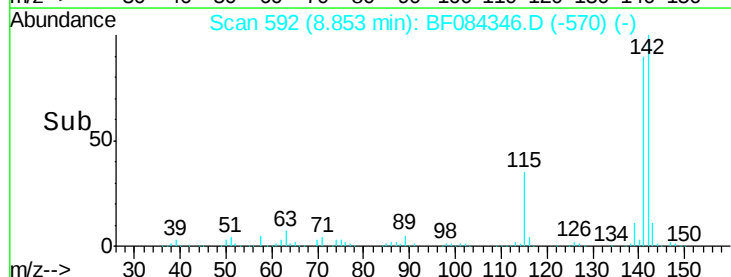
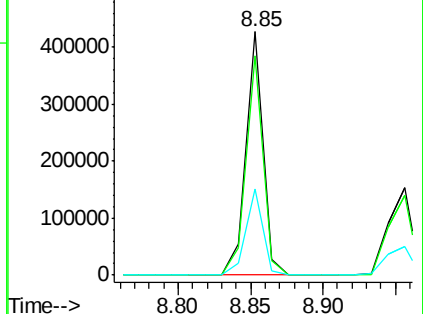
115 35.6 27.9 41.9

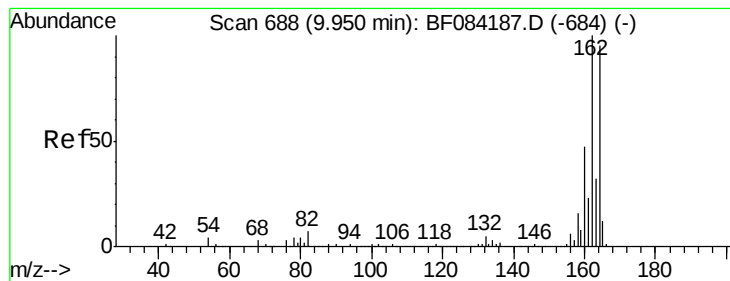


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

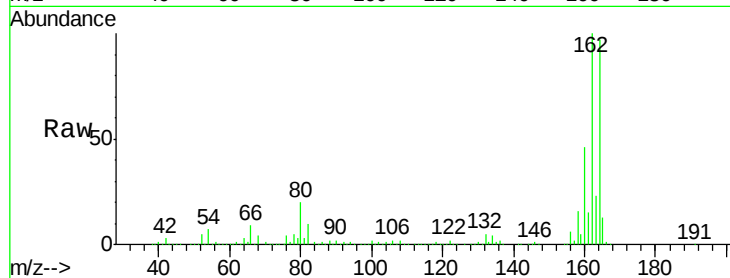
Tgt Ion:164 Resp: 537076

Ion Ratio Lower Upper

164 100

162 102.8 85.1 127.7

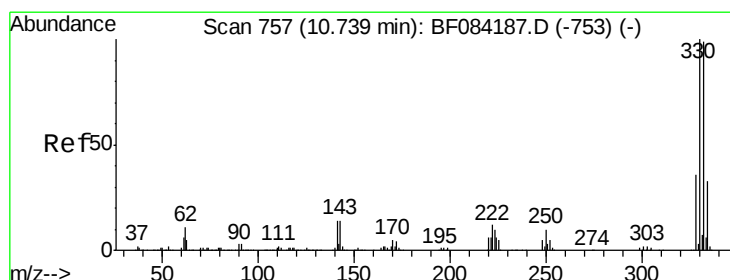
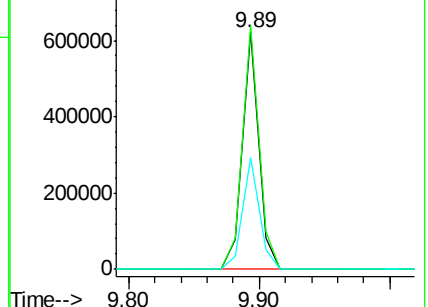
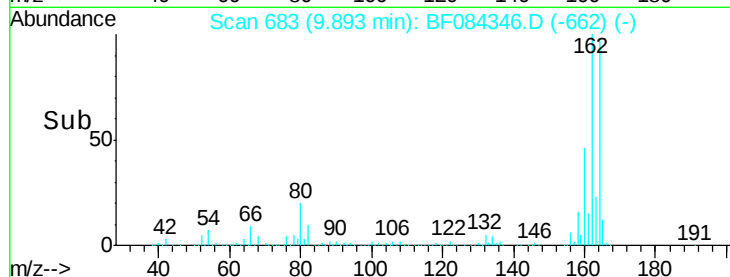
160 47.2 37.5 56.3



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: 140.22 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

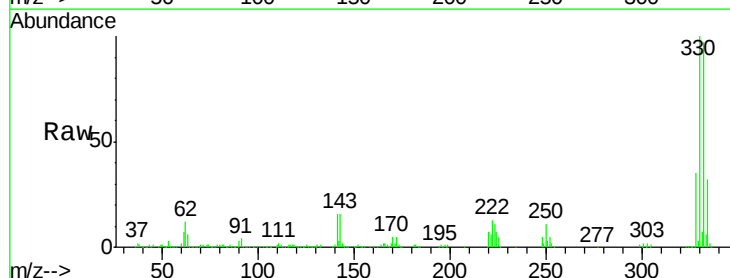
Tgt Ion:330 Resp: 760295

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

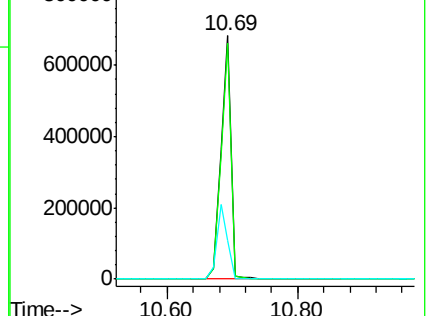
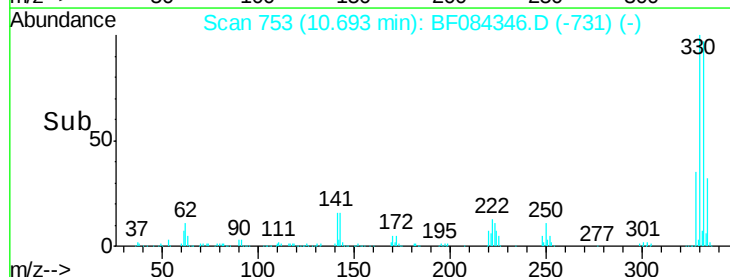
141 32.6 27.8 41.6

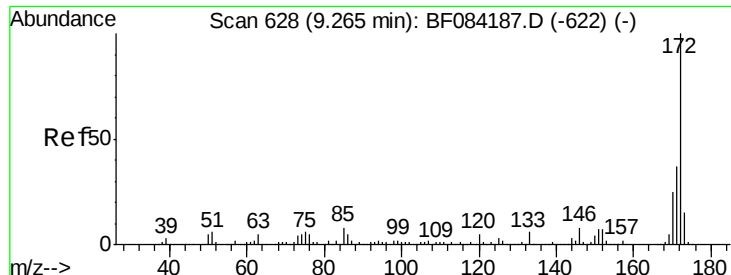


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

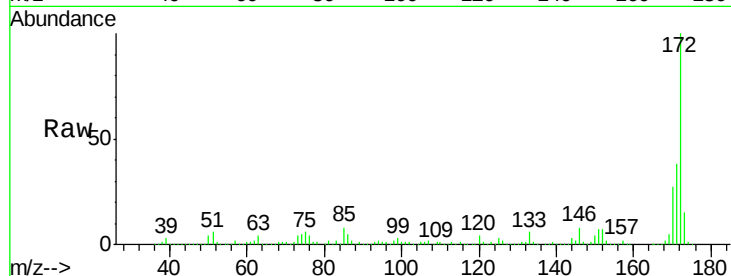




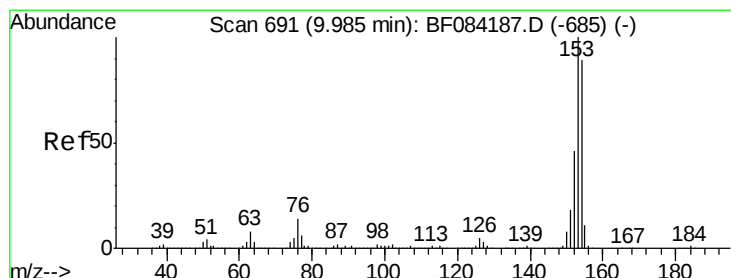
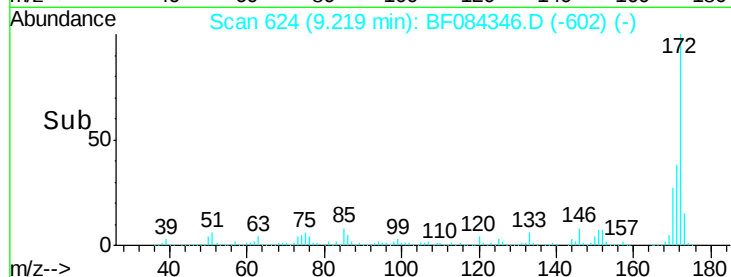
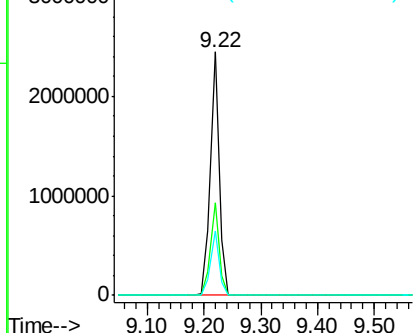
#44
 2-Fluorobiphenyl
 Concen: 83.33 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084346.D
 Acq: 9 Jan 2016 1:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-DRUM1

Tgt Ion:172 Resp: 2547914
 Ion Ratio Lower Upper
 172 100
 171 38.0 28.9 43.3
 170 26.7 18.6 27.8

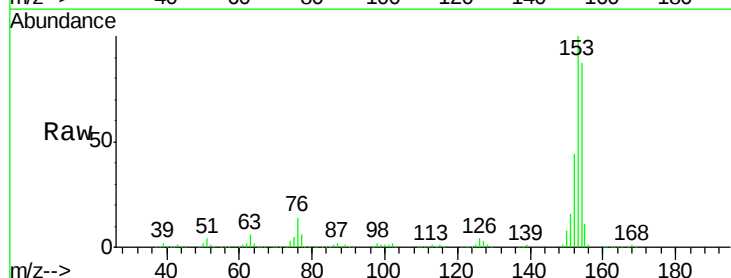


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

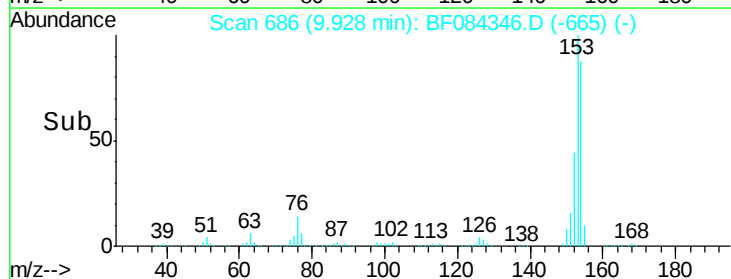
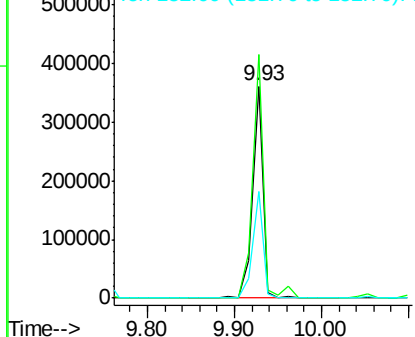


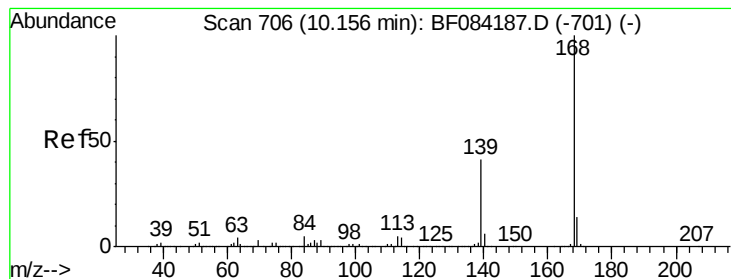
#51
 Acenaphthene
 Concen: 9.18 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.06 min
 Lab File: BF084346.D
 Acq: 9 Jan 2016 1:26

Tgt Ion:154 Resp: 305127
 Ion Ratio Lower Upper
 154 100
 153 115.1 91.5 137.3
 152 50.7 43.0 64.6



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





#54

Dibenzenofuran

Concen: 3.85 ng

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

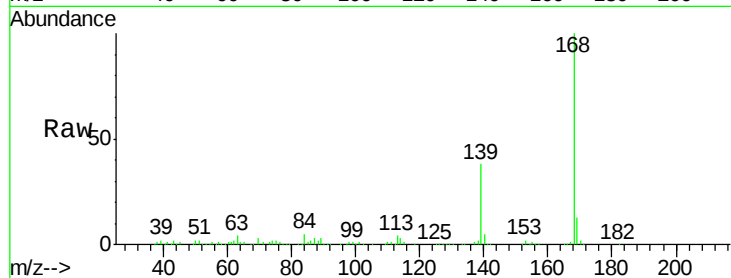
Tgt Ion:168 Resp: 282585

Ion Ratio Lower Upper

168 100

139 37.6 30.5 45.7

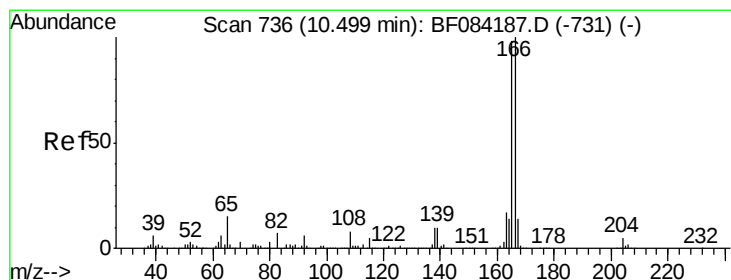
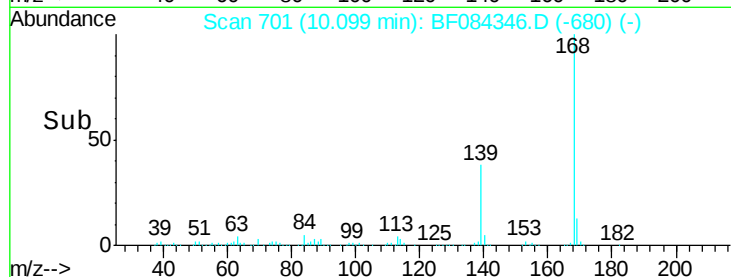
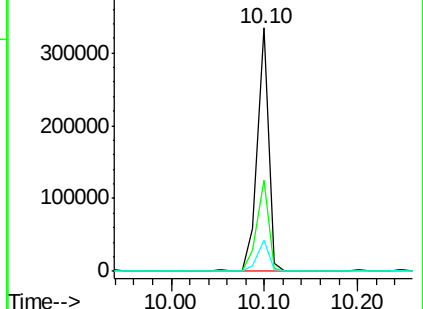
169 13.0 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.98 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

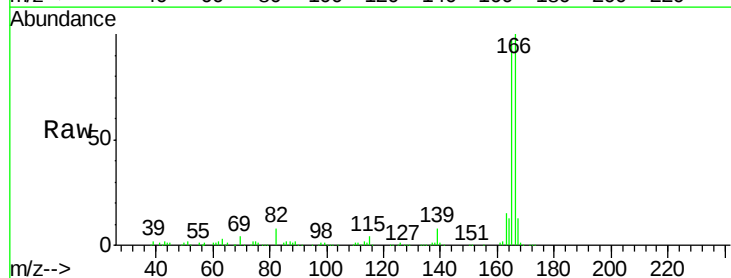
Tgt Ion:166 Resp: 204734

Ion Ratio Lower Upper

166 100

165 97.3 79.1 118.7

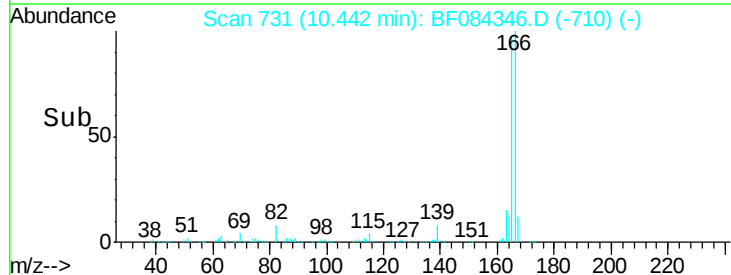
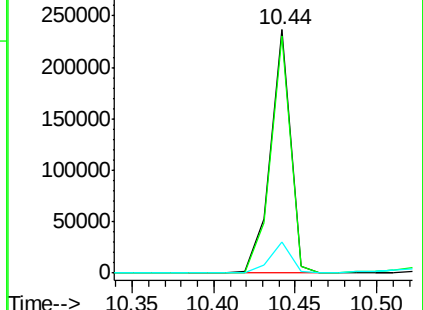
167 12.6 10.4 15.6

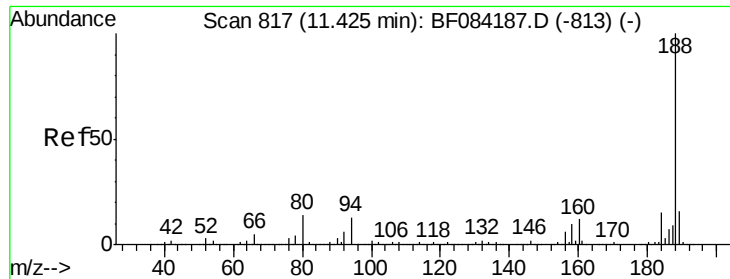


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

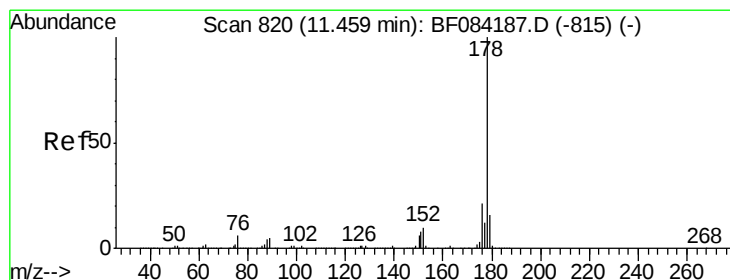
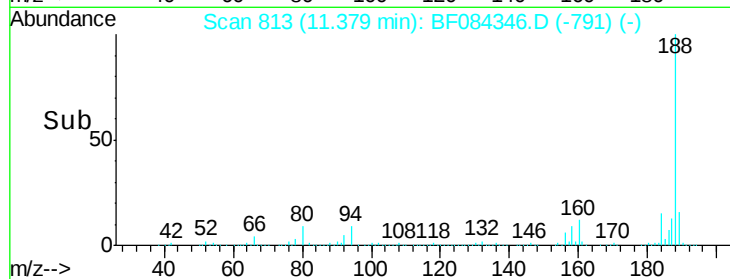
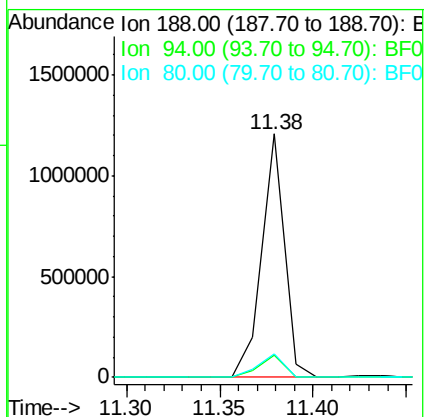
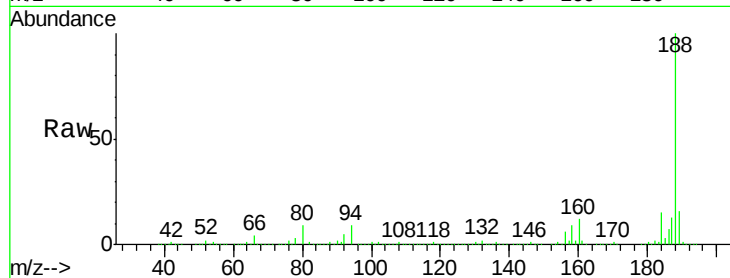




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

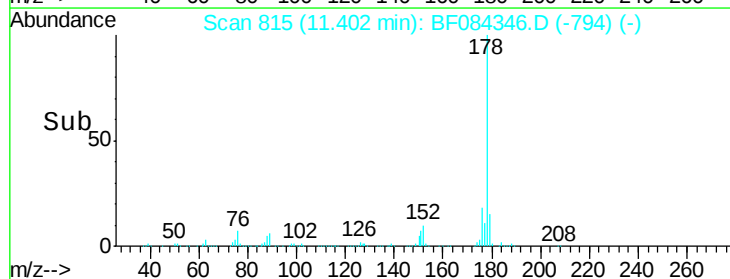
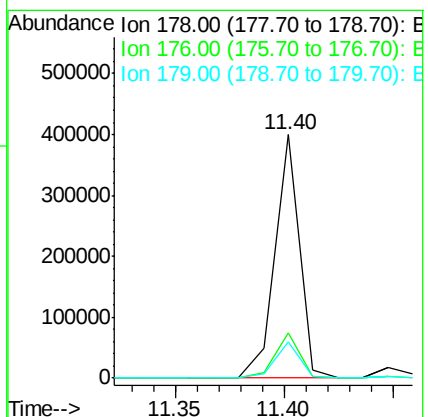
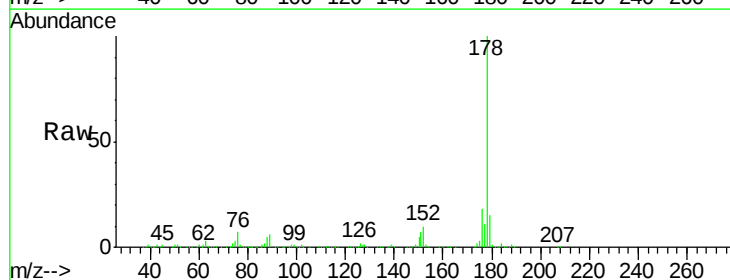
Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

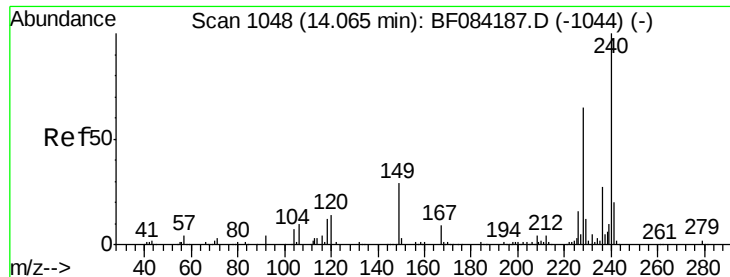
Tgt Ion:188 Resp: 1016622
Ion Ratio Lower Upper
188 100
94 8.9 9.0 13.4#
80 9.5 9.6 14.4#



#70
Phenanthrene
Concen: 5.99 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.06 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:178 Resp: 318401
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.0 12.0 18.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampleId :

WC-DRUM1

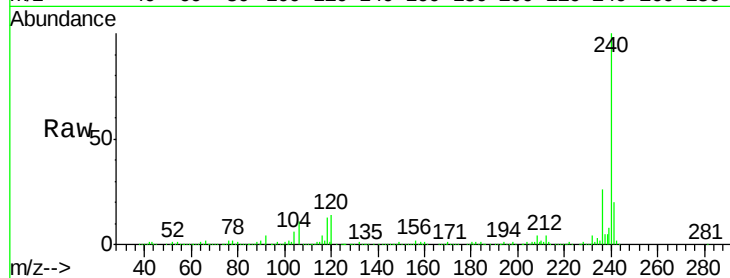
Tgt Ion:240 Resp: 729308

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

236 25.6 20.6 31.0



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

600000

400000

200000

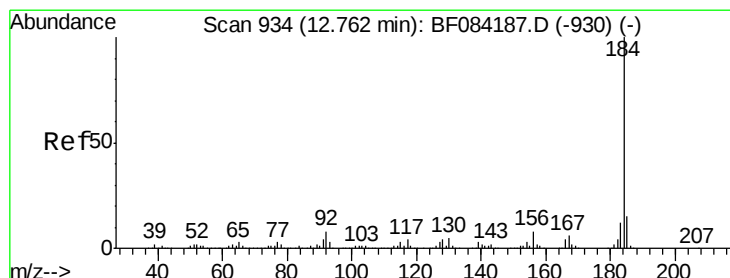
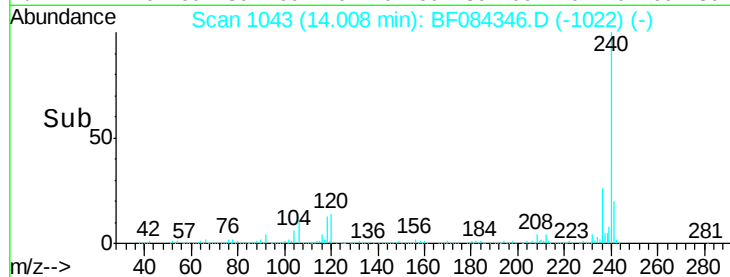
0

14.01

14.00

14.20

Time-->



#76

Benzidine

Concen: 2.55 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

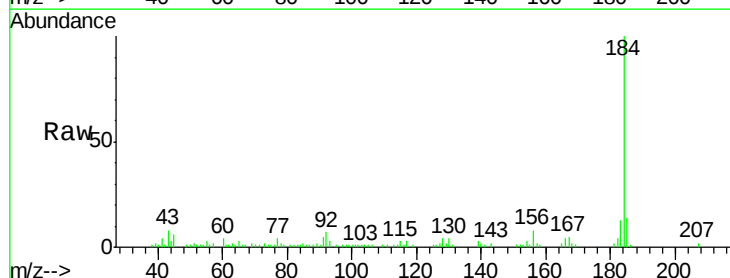
Tgt Ion:184 Resp: 66772

Ion Ratio Lower Upper

184 100

185 14.5 12.2 18.2

183 13.1 9.8 14.8



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

80000

60000

40000

20000

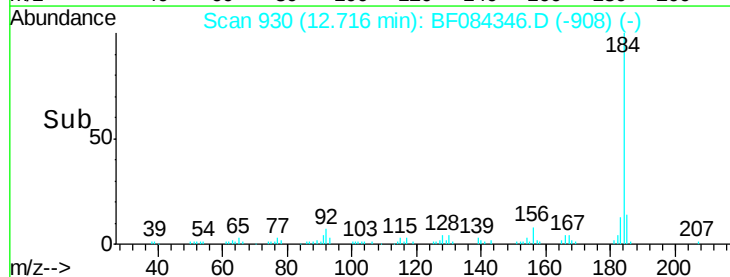
0

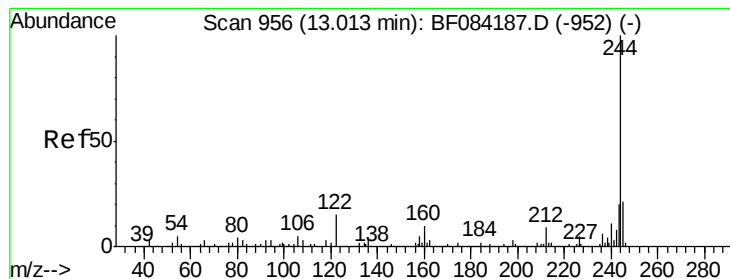
12.72

12.60

12.80

Time-->





#78

Terphenyl-d14

Concen: 82.92 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

Instrument :

BNA_F

ClientSampled :

WC-DRUM1

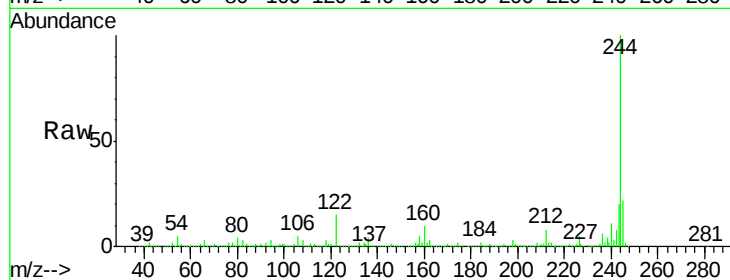
Tgt Ion:244 Resp: 2709350

Ion Ratio Lower Upper

244 100

212 8.3 5.7 8.5

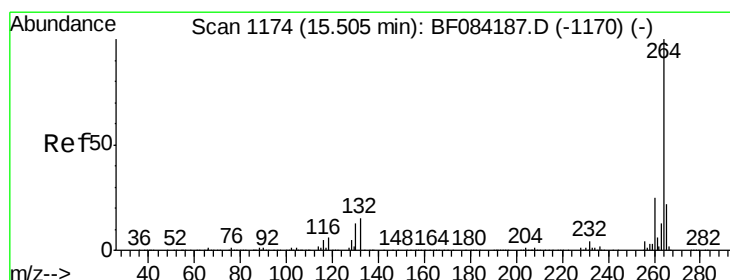
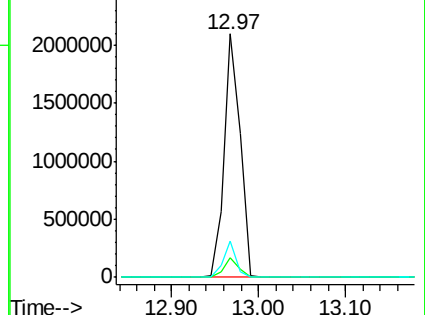
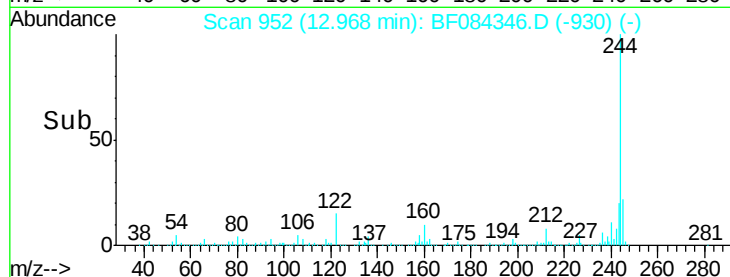
122 14.9 7.4 11.0#



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: 15.44 min Scan# 1168

Delta R.T. -0.07 min

Lab File: BF084346.D

Acq: 9 Jan 2016 1:26

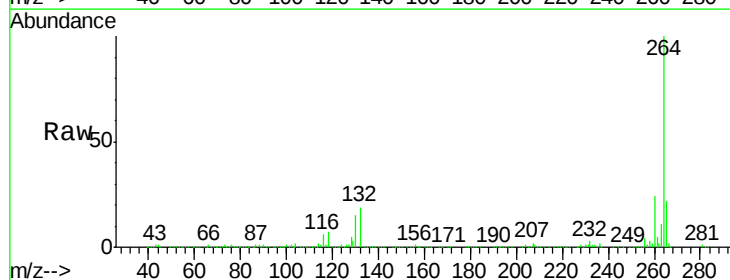
Tgt Ion:264 Resp: 535050

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 21.8 17.8 26.6



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

