

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\
 Data File : BF084361.D
 Acq On : 10 Jan 2016 13:31
 Operator : SJ/UM
 Sample : H1043-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4N(0-10)

Quant Time: Jan 11 04:29:19 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

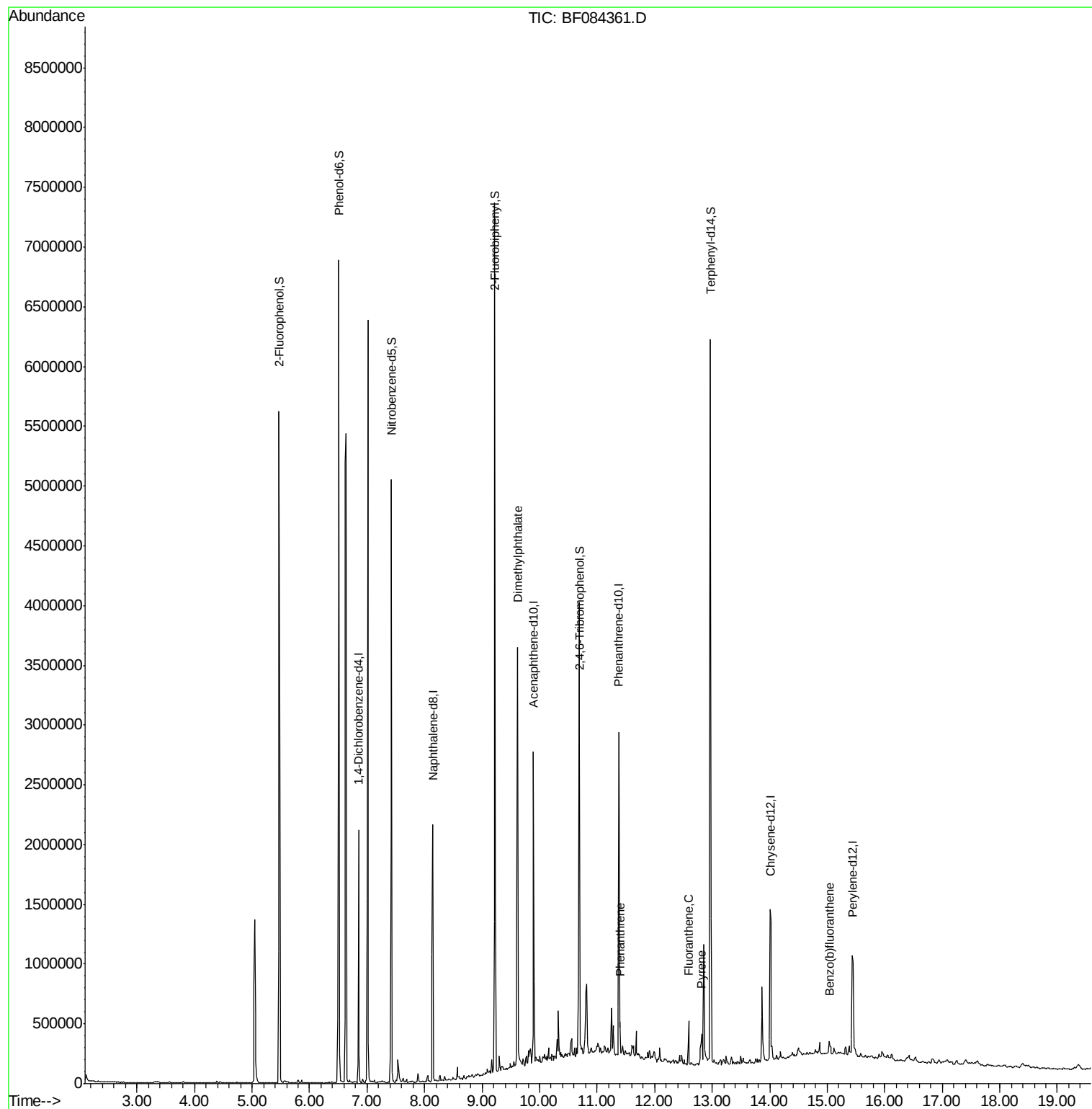
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	265101	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1109379	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	500652	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	896506	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	597647	20.00	ng	-0.05
86) Perylene-d12	15.45	264	484098	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1987952	121.29	ng	-0.02
7) Phenol-d6	6.51	99	2554395	124.09	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1691523	84.86	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	669225	132.40	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2185444	76.13	ng	-0.05
78) Terphenyl-d14	12.97	244	1905474	71.17	ng	-0.05
Target Compounds						
49) Dimethylphthalate	9.62	163	1300096	36.32	ng	Qvalue # 90
70) Phenanthrene	11.40	178	98669	2.10	ng	100
74) Fluoranthene	12.59	202	160394	3.27	ng	95
77) Pyrene	12.82	202	144019	3.07	ng	98
87) Benzo(b)fluoranthene	15.04	252	66062m	2.09	ng	

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

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084361.D

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ClientSampleId :

SB-4N(0-10)

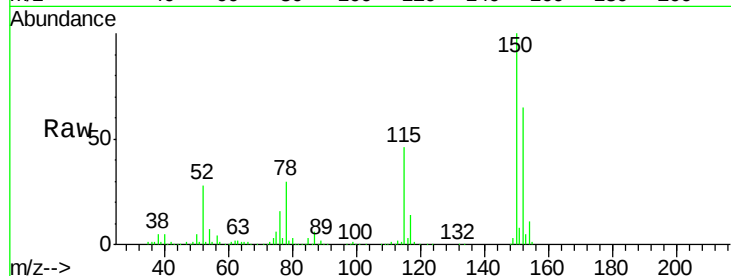
Tot Ion:152 Resp: 265101

Ion Ratio Lower Upper

152 100

150 154.7 123.0 184.4

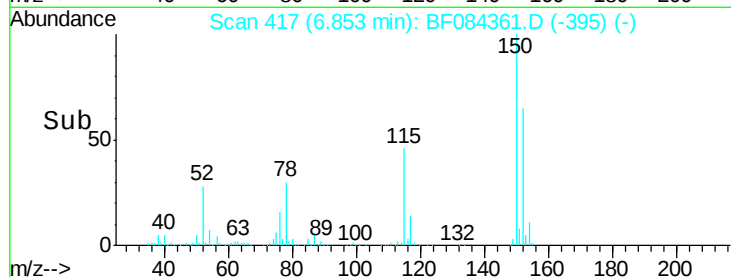
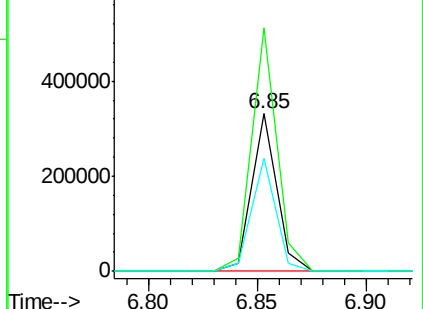
115 71.5 51.4 77.2



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: 121.29 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

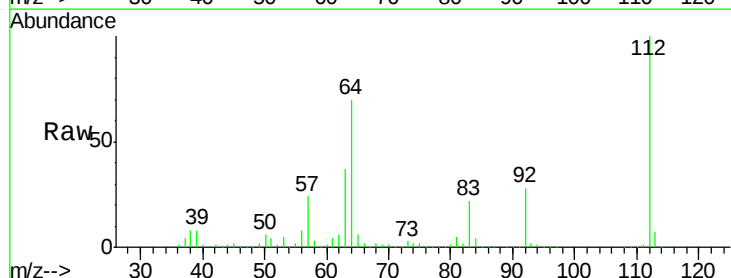
Tgt Ion:112 Resp: 1987952

Ion Ratio Lower Upper

112 100

64 69.6 36.6 55.0#

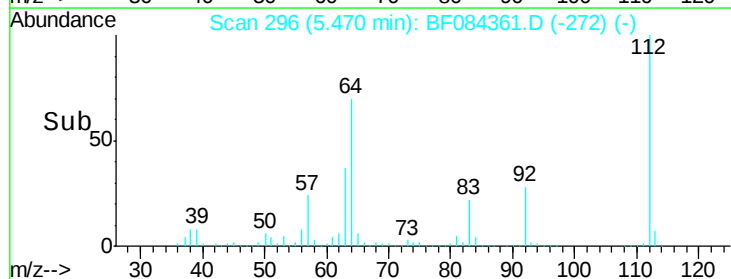
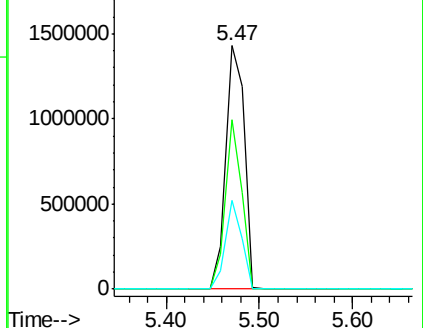
63 36.5 19.4 29.0#



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: 124.09 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

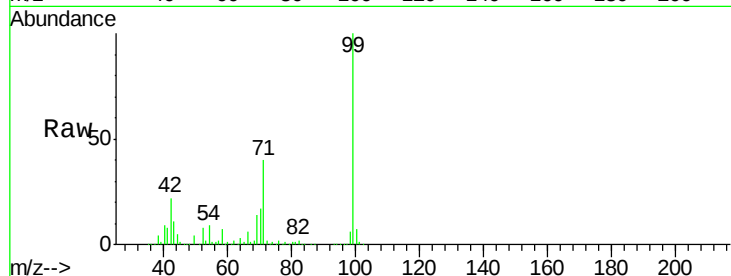
BNA_F

ClientSampleId :

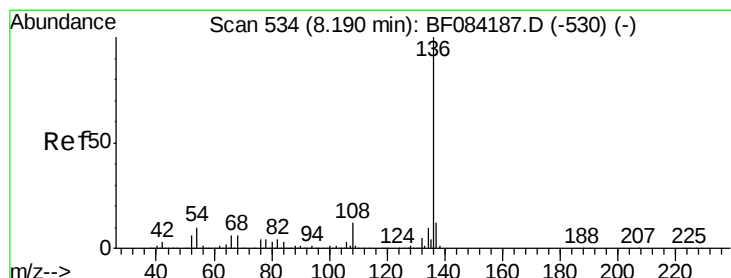
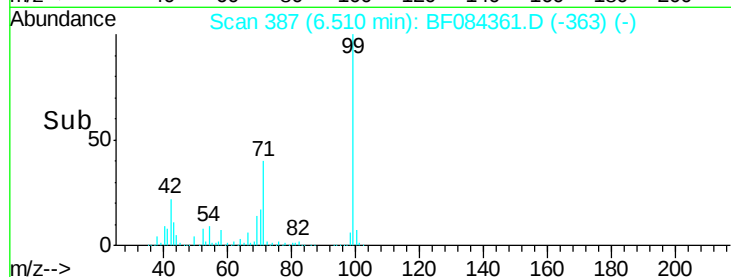
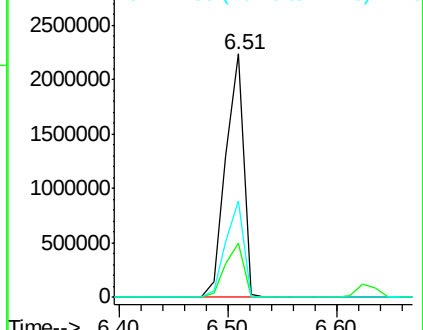
SB-4N(0-10)

Tot Ion: 99 Resp: 2554395

Ion	Ratio	Lower	Upper
99	100		
42	22.2	12.8	19.2#
71	39.6	30.9	46.3



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: 8.14 min Scan# 530

Delta R.T. -0.05 min

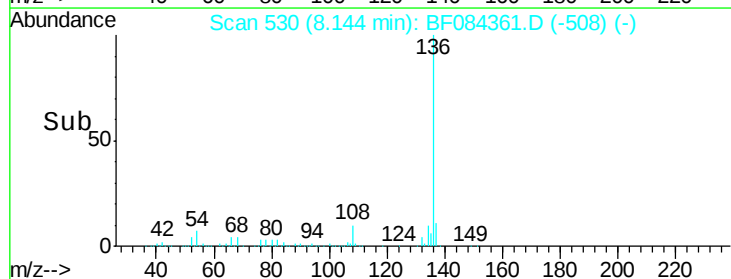
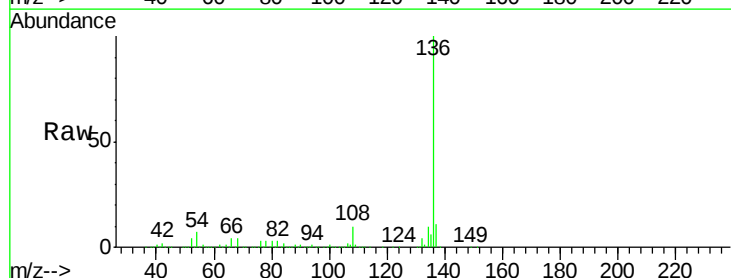
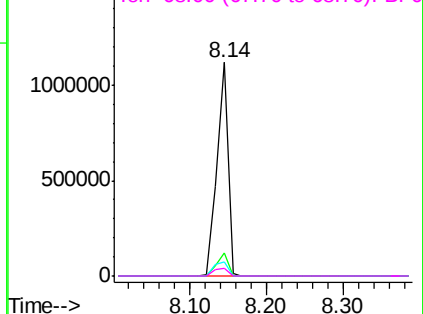
Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Tgt Ion: 136 Resp: 1109379

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.7	5.8	8.8
68	3.9	4.2	6.2#

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

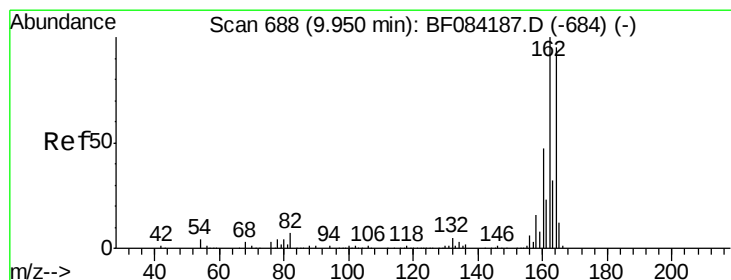
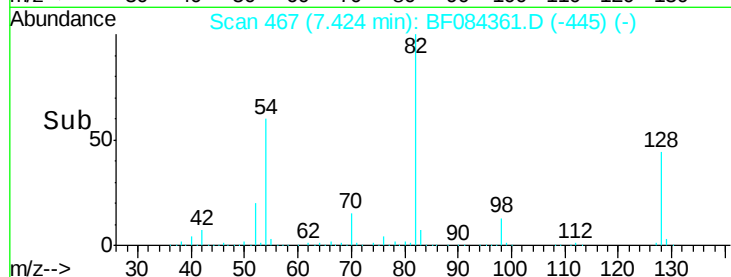
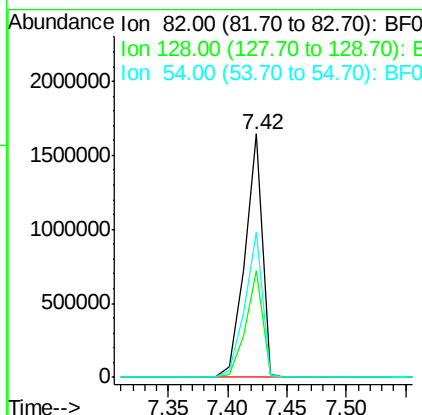
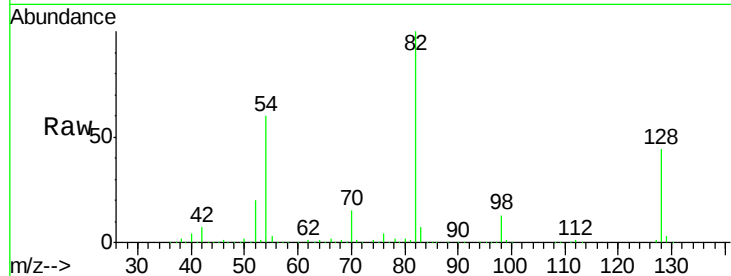




#23
 Nitrobenzene-d5
 Concen: 84.86 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF084361.D
 Acq: 10 Jan 2016 13:31

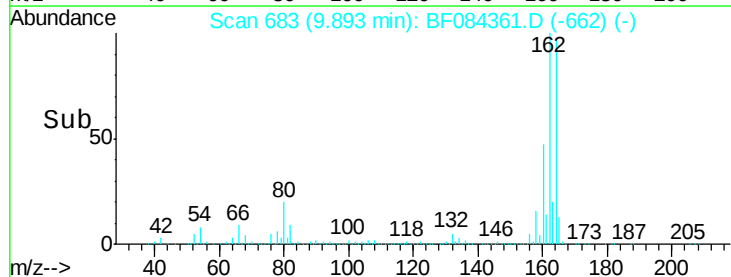
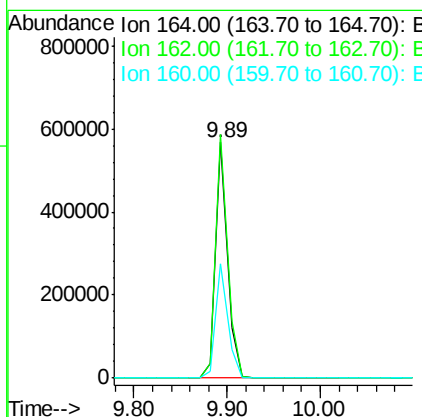
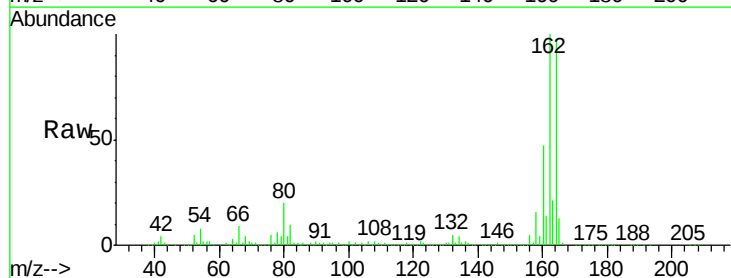
Instrument :
 BNA_F
 ClientSampleId :
 SB-4N(0-10)

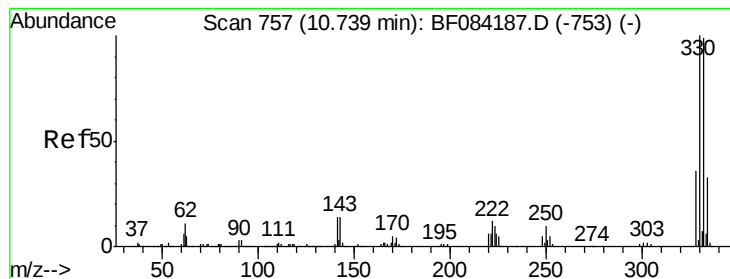
Tot Ion: 82 Resp: 1691523
 Ion Ratio Lower Upper
 82 100
 128 43.8 34.6 51.8
 54 59.5 38.4 57.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.06 min
 Lab File: BF084361.D
 Acq: 10 Jan 2016 13:31

Tgt Ion:164 Resp: 500652
 Ion Ratio Lower Upper
 164 100
 162 103.4 85.1 127.7
 160 48.4 37.5 56.3





#41

2,4,6-Tribromophenol

Concen: 132.40 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

BNA_F

ClientSampleId :

SB-4N(0-10)

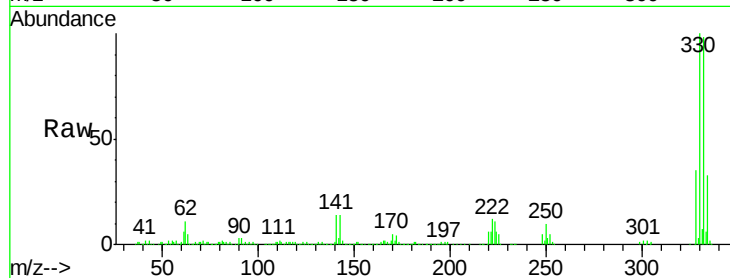
Tot Ion:330 Resp: 669225

Ion Ratio Lower Upper

330 100

332 98.0 76.6 114.8

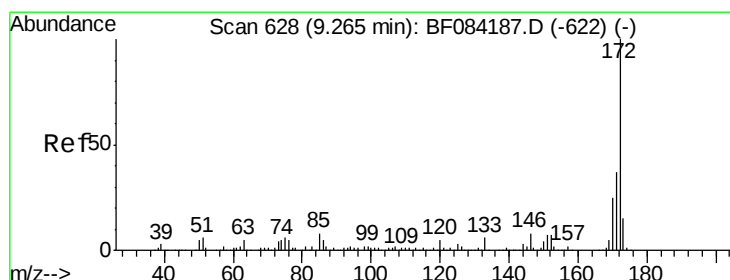
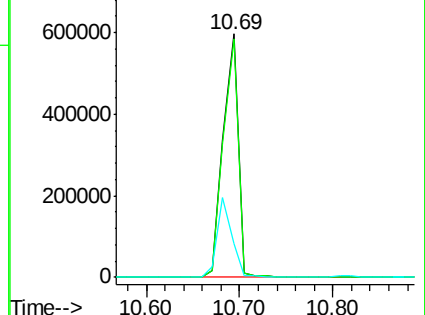
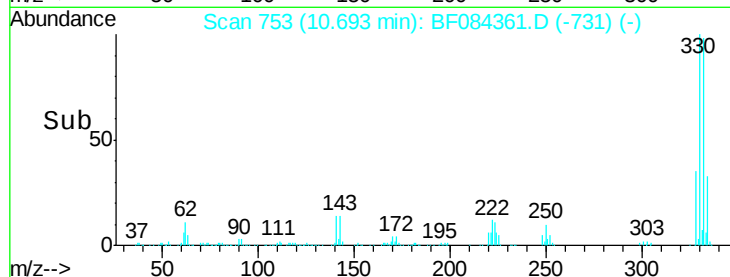
141 32.3 27.8 41.6



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: 76.13 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

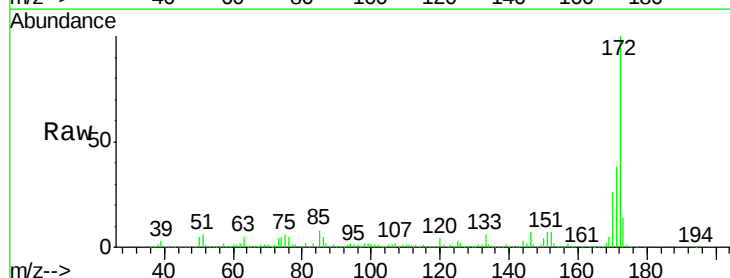
Tgt Ion:172 Resp: 2185444

Ion Ratio Lower Upper

172 100

171 38.1 28.9 43.3

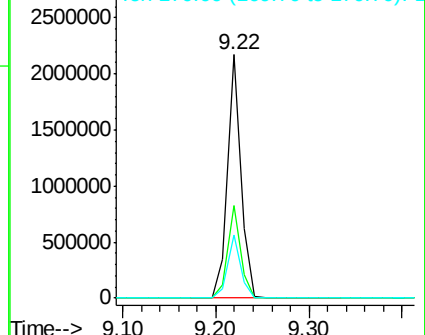
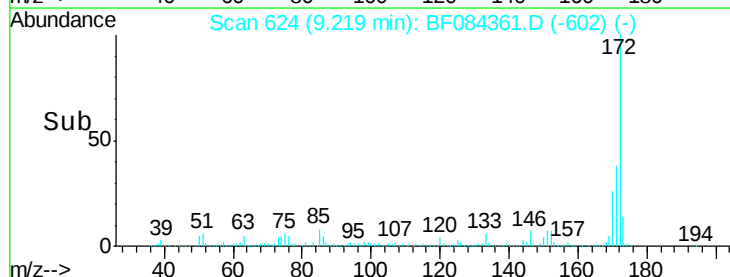
170 26.0 18.6 27.8

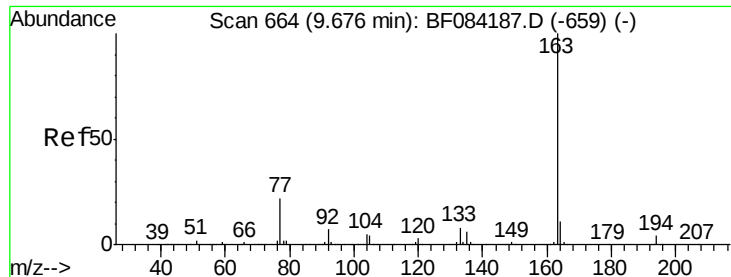


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 36.32 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

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ClientSampleId :

SB-4N(0-10)

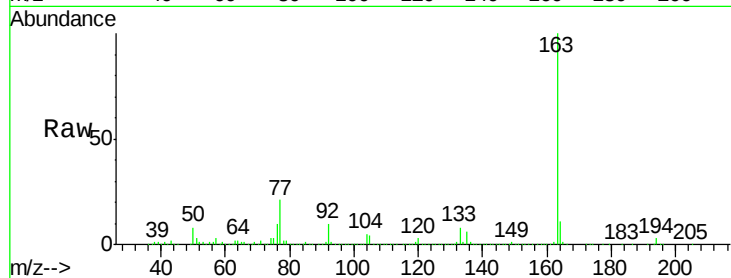
Tot Ion:163 Resp: 1300096

Ion Ratio Lower Upper

163 100

194 3.4 8.0 12.0#

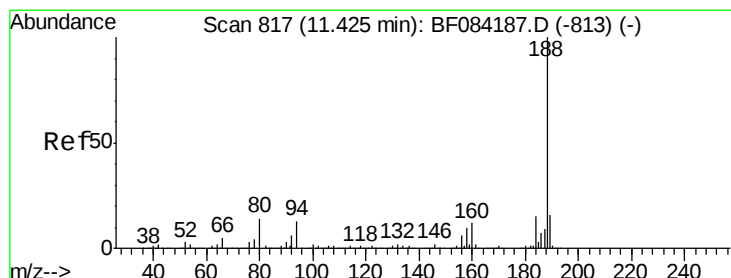
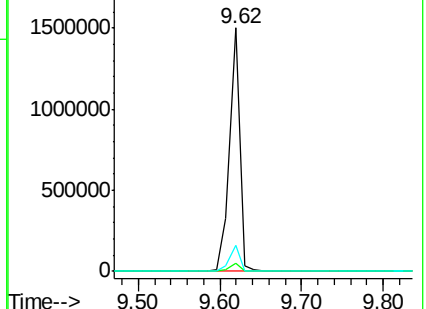
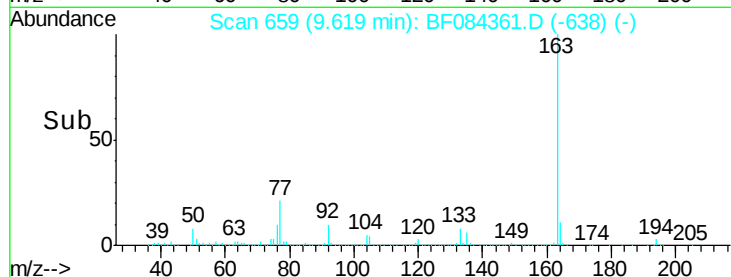
164 10.6 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

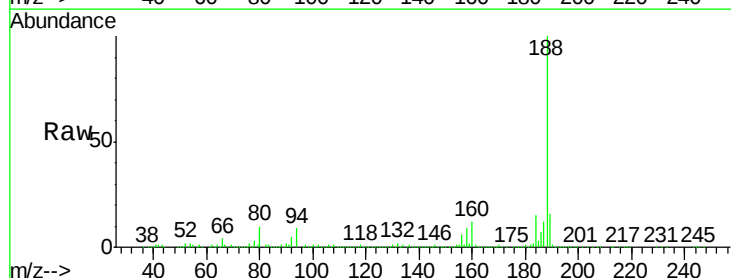
Tgt Ion:188 Resp: 896506

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.4

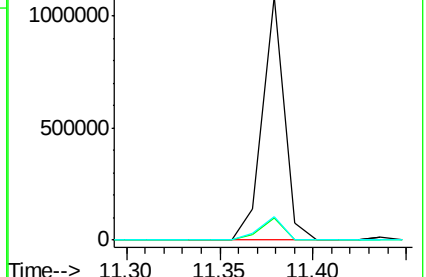
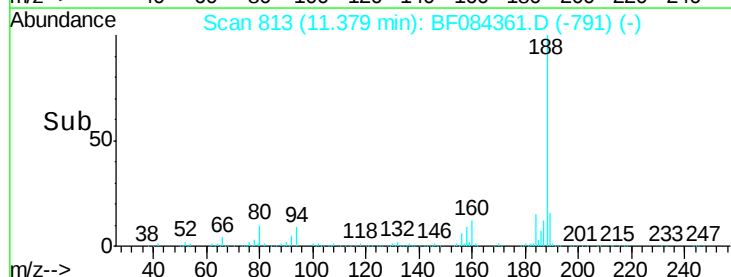
80 9.8 9.6 14.4

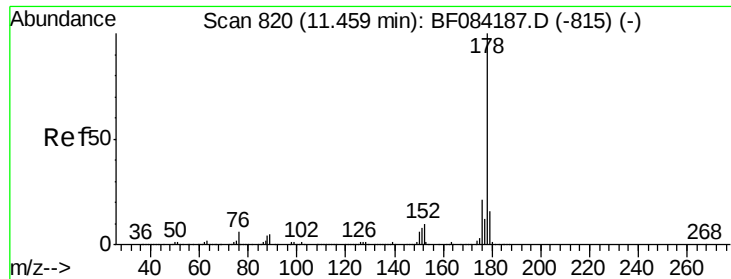


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.10 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.06 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

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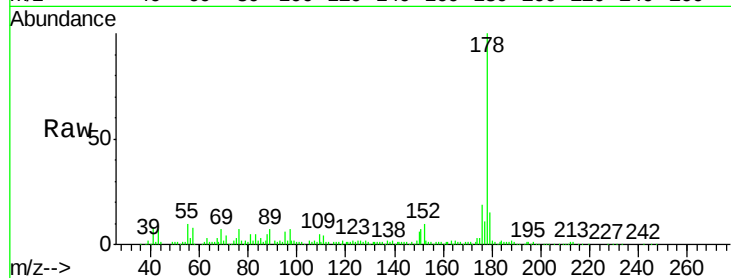
Tot Ion:178 Resp: 98669

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

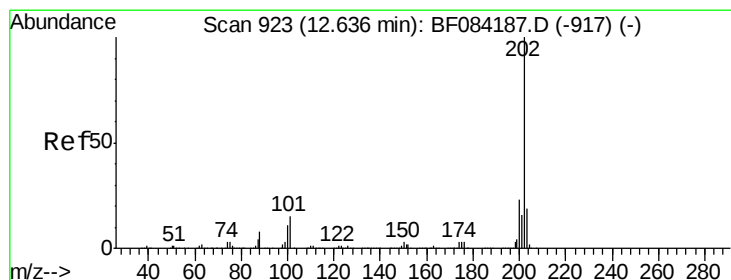
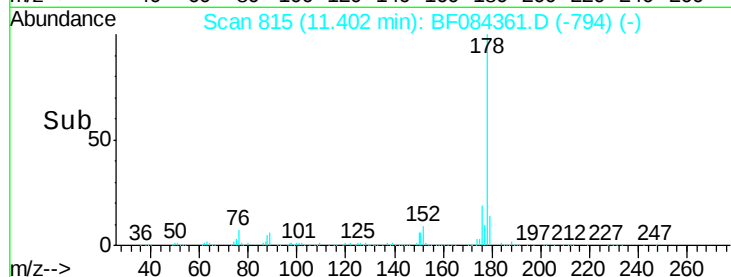
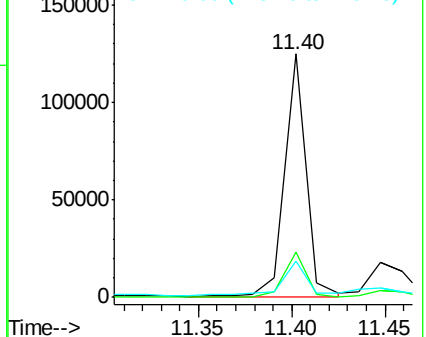
179 14.9 12.0 18.0



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: 3.27 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

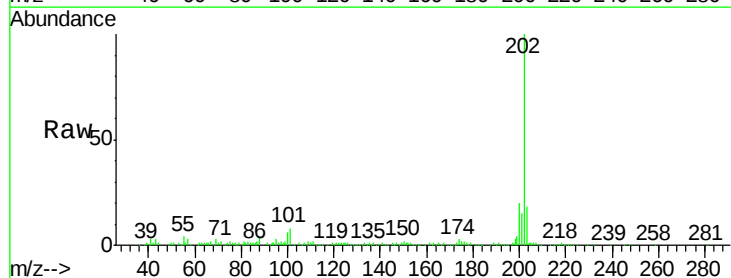
Tgt Ion:202 Resp: 160394

Ion Ratio Lower Upper

202 100

101 8.2 0.0 32.8

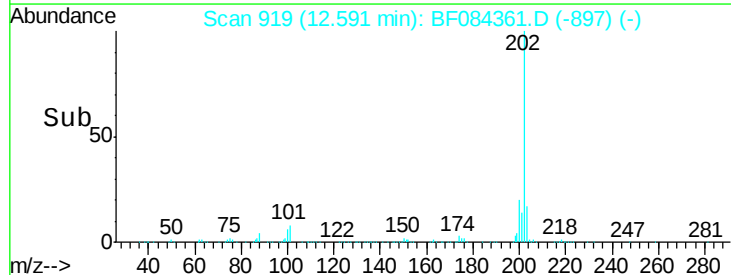
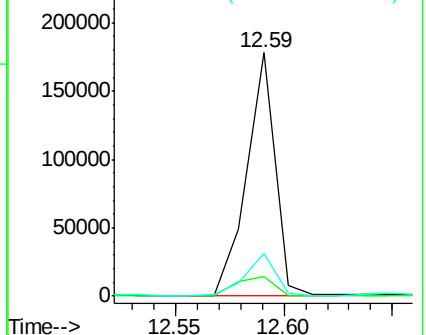
203 17.5 0.0 37.9

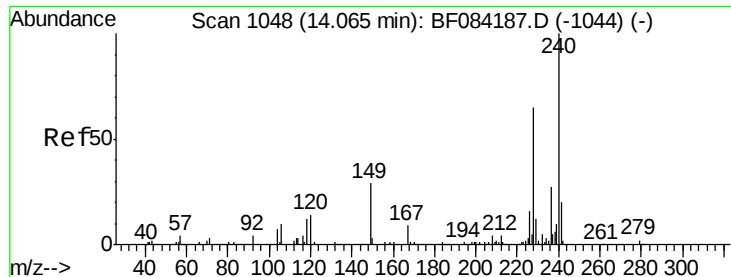


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

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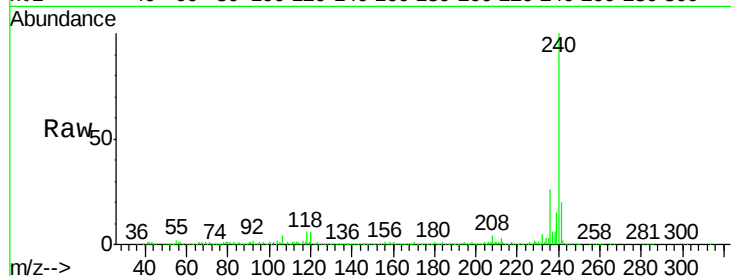
Tot Ion:240 Resp: 597647

Ion Ratio Lower Upper

240 100

120 6.4 9.5 14.3#

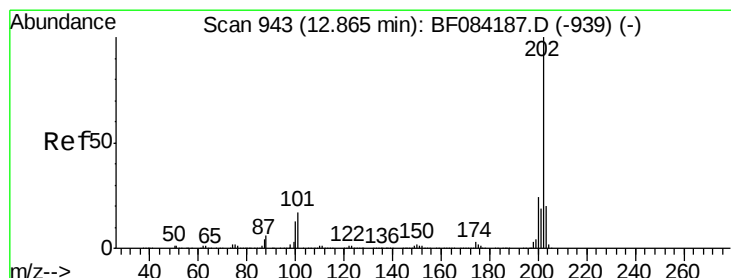
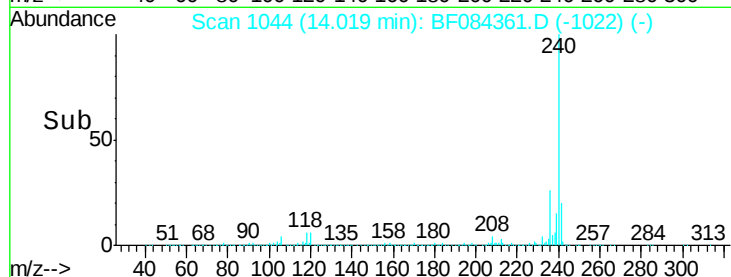
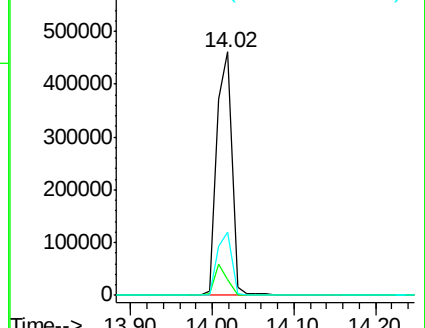
236 26.1 20.6 31.0



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



#77

Pyrene

Concen: 3.07 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

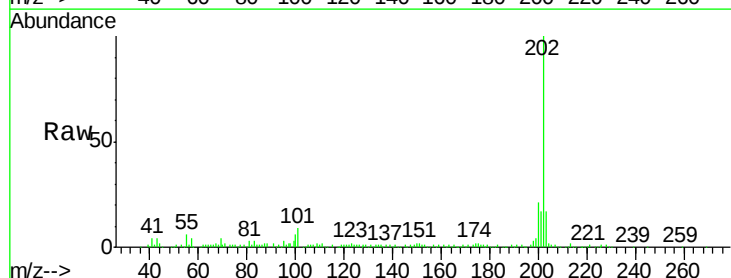
Tgt Ion:202 Resp: 144019

Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

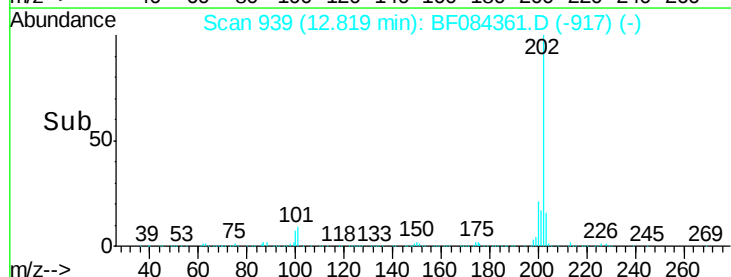
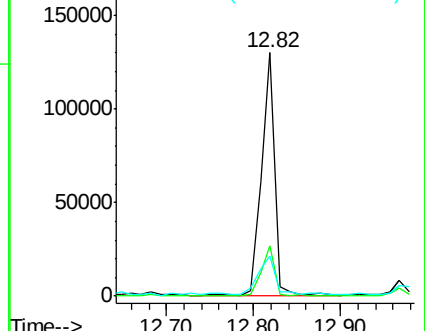
203 16.6 14.3 21.5

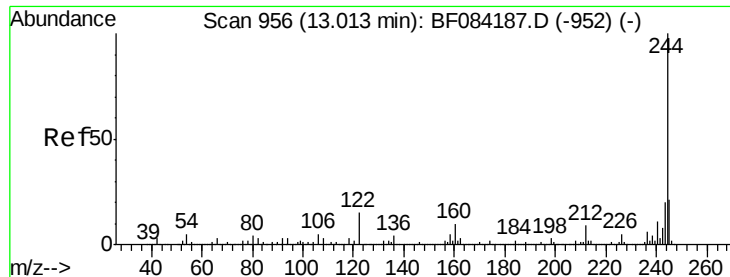


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.17 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

BNA_F

ClientSampleId :

SB-4N(0-10)

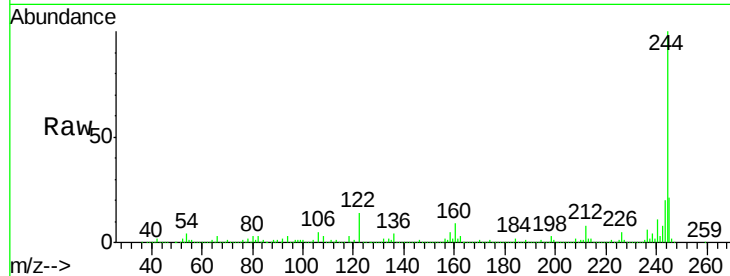
Tot Ion:244 Resp: 1905474

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

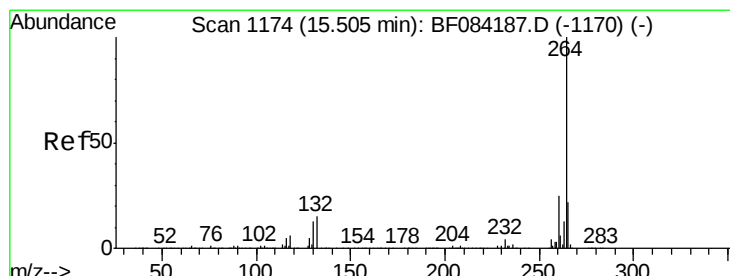
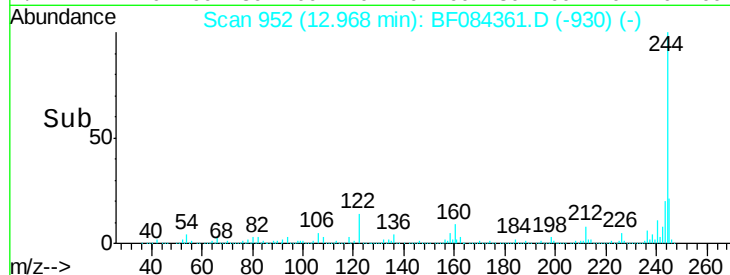
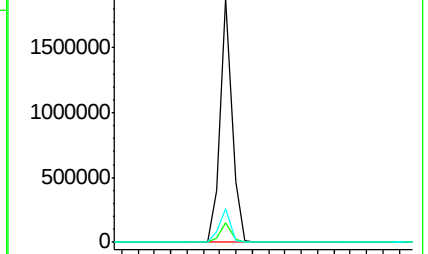
122 13.6 7.4 11.0#



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: 15.45 min Scan# 1169

Delta R.T. -0.06 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

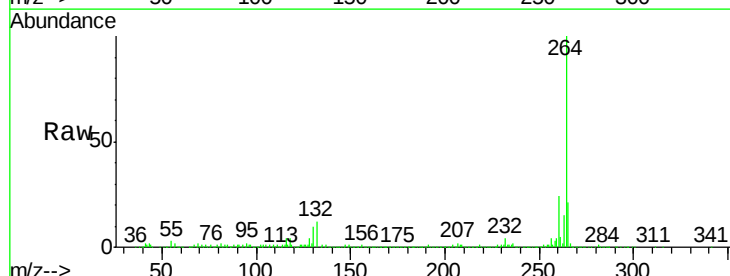
Tgt Ion:264 Resp: 484098

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

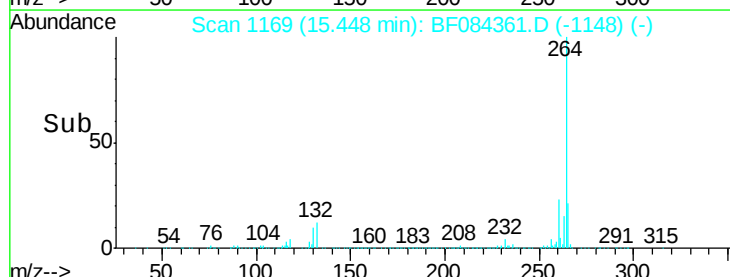
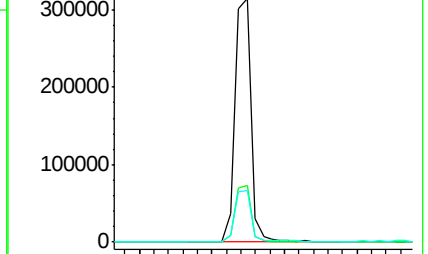
265 21.4 17.8 26.6

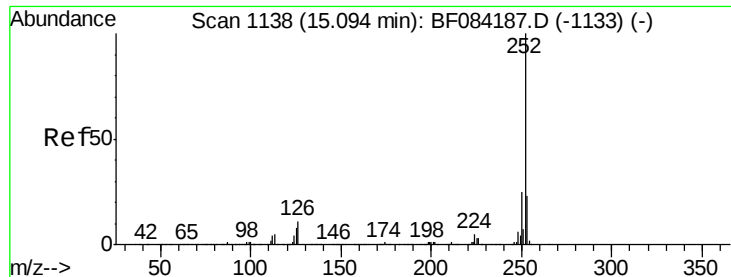


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

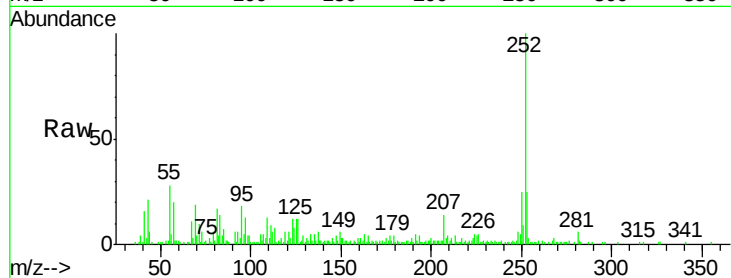




#87
 Benzo(b)fluoranthene
 Concen: 2.09 ng m
 RT: 15.04 min Scan# 1133
 Delta R.T. -0.06 min
 Lab File: BF084361.D
 Acq: 10 Jan 2016 13:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-4N(0-10)

Tot Ion:252 Resp: 66062
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.3 25.9
 125 12.3 6.5 9.7#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

