

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052416\
 Data File : BF087350.D
 Acq On : 24 May 2016 22:01
 Operator : UM/SJ
 Sample : H3136-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHUBEMILEPOST-1-10

Quant Time: May 25 00:46:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 01:40:43 2016
 Response via : Initial Calibration

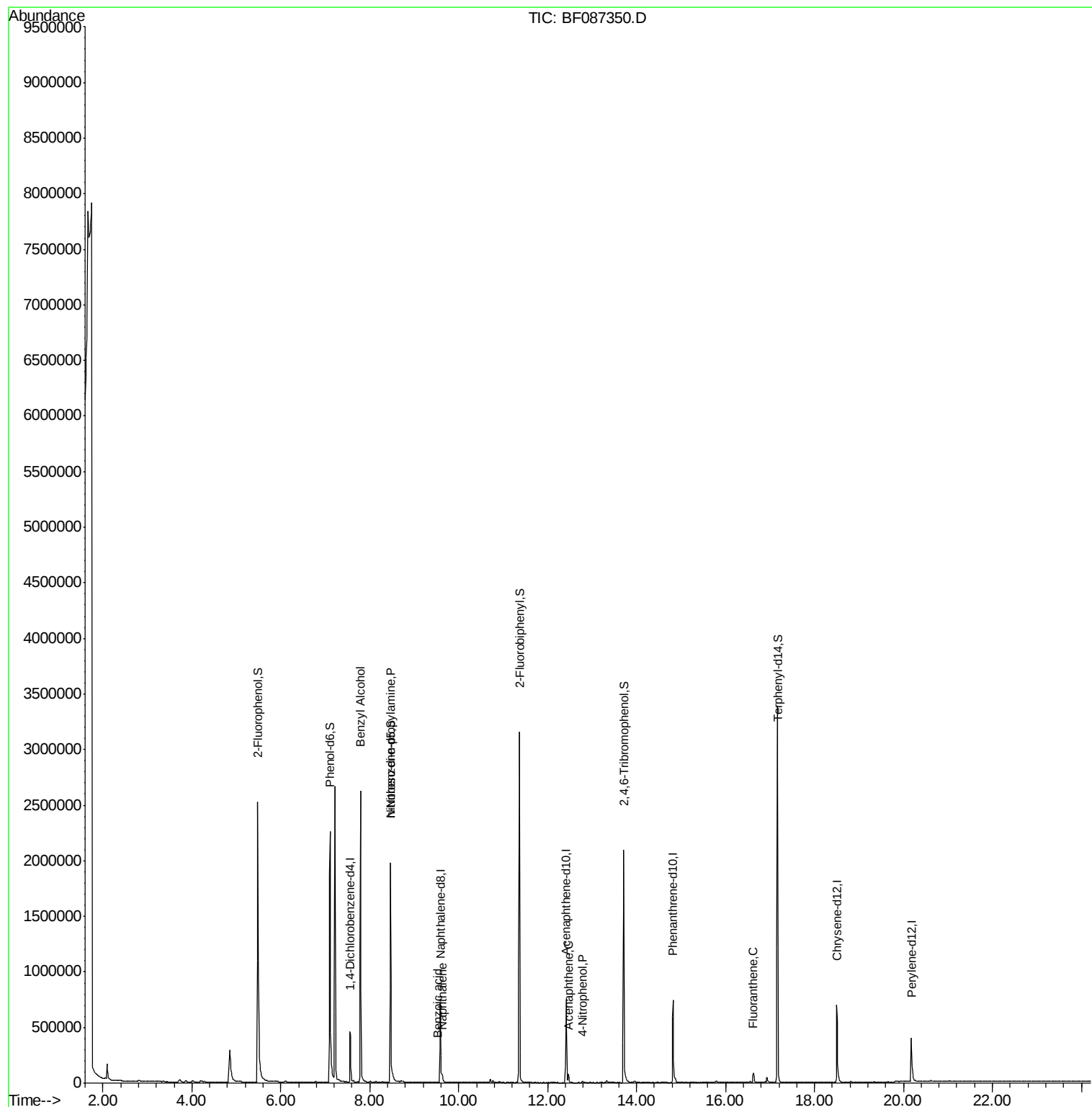
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	109524	20.00	ng	-0.05
21) Naphthalene-d8	9.59	136	445412	20.00	ng	-0.06
38) Acenaphthene-d10	12.41	164	215155	20.00	ng	-0.07
63) Phenanthrene-d10	14.82	188	441711	20.00	ng	-0.06
75) Chrysene-d12	18.50	240	377828	20.00	ng	-0.06
86) Perylene-d12	20.18	264	265498	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	952585	152.83	ng	-0.03
7) Phenol-d6	7.11	99	1196793	142.10	ng	-0.06
23) Nitrobenzene-d5	8.47	82	910906	103.07	ng	-0.07
41) 2,4,6-Tribromophenol	13.71	330	346260	167.47	ng	-0.07
44) 2-Fluorobiphenyl	11.37	172	1583379	103.75	ng	-0.06
78) Terphenyl-d14	17.18	244	1668042	93.86	ng	-0.05
Target Compounds						
15) Benzyl Alcohol	7.79	79	16018	2.61	ng	# 43
19) n-Nitroso-di-n-propylamine	8.47	70	124736	19.86	ng	# 72
31) Naphthalene	9.62	128	48687	2.18	ng	97
32) Benzoic acid	9.53	122	487	5.95	ng	# 77
51) Acenaphthene	12.47	154	30596	2.27	ng	98
55) 4-Nitrophenol	12.78	139	5058	2.97	ng	# 14
74) Fluoranthene	16.63	202	59813	2.44	ng	93

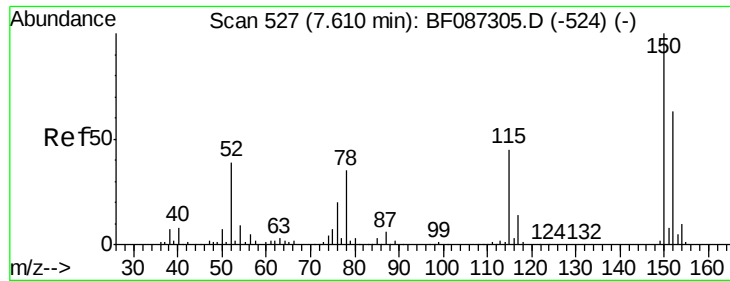
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 523

Delta R.T. -0.05 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

Instrument :

BNA_F

ClientSampleId :

SOUTHTUBEMILEPOST-1-10

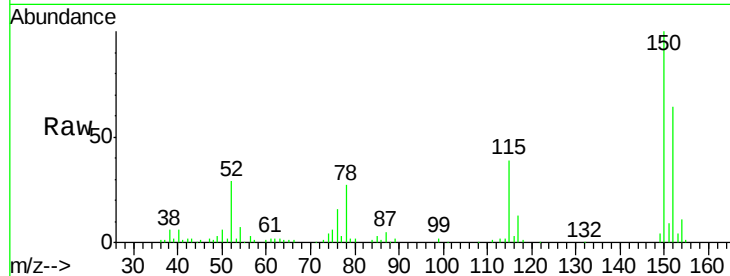
Tgt Ion:152 Resp: 109524

Ion Ratio Lower Upper

152 100

150 156.5 125.8 188.6

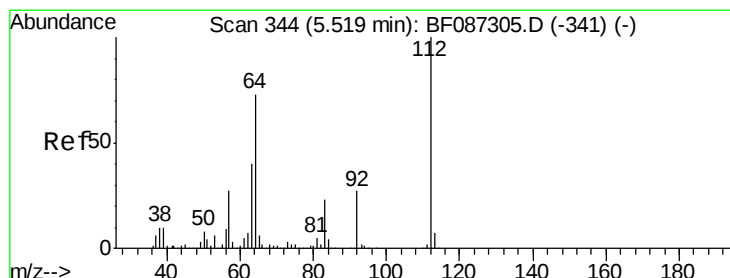
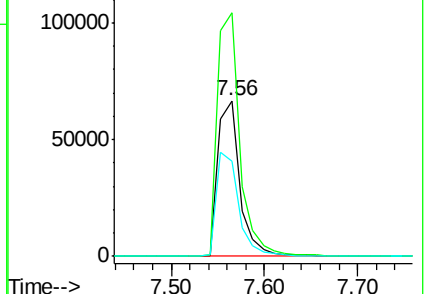
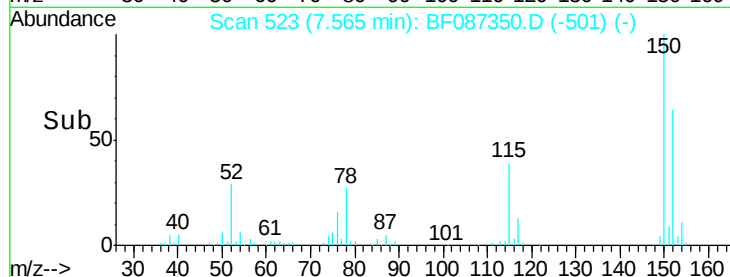
115 61.4 51.5 77.3



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: 152.83 ng

RT: 5.48 min Scan# 341

Delta R.T. -0.03 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

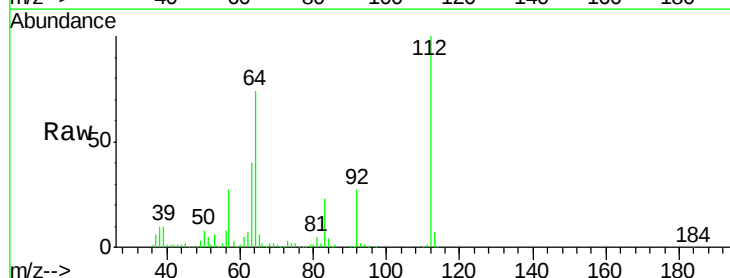
Tgt Ion:112 Resp: 952585

Ion Ratio Lower Upper

112 100

64 73.6 52.1 78.1

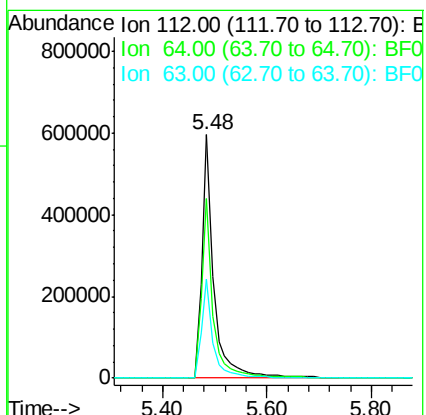
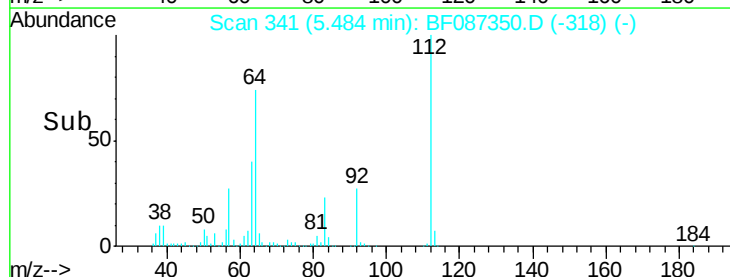
63 40.4 25.7 38.5#

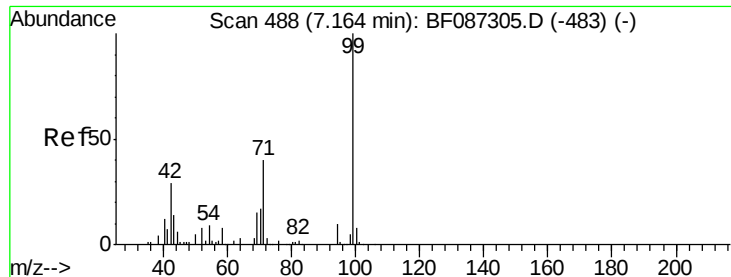


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 142.10 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.06 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

Instrument :

BNA_F

ClientSampleId :

SOUTHTUBEMILEPOST-1-10

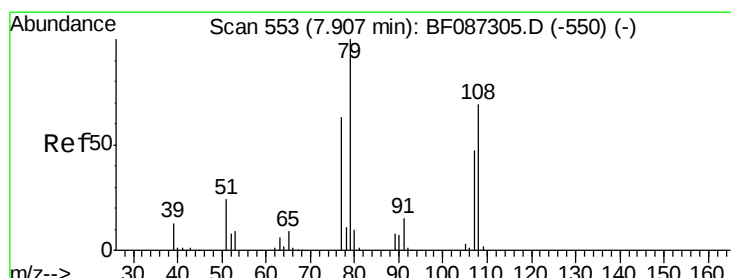
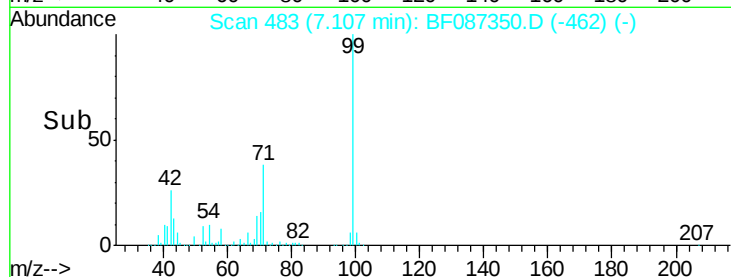
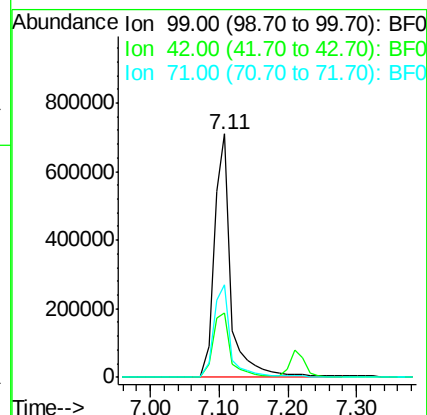
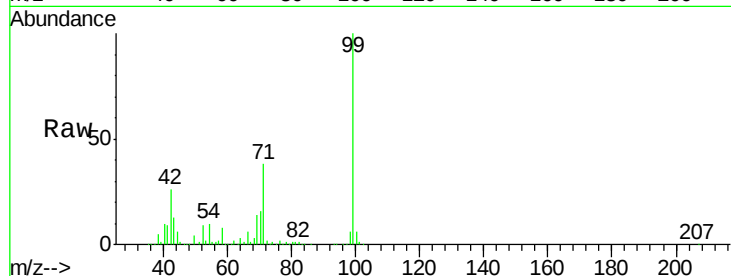
Tgt Ion: 99 Resp: 1196793

Ion Ratio Lower Upper

99 100

42 26.3 13.6 20.4#

71 38.1 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.61 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.11 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

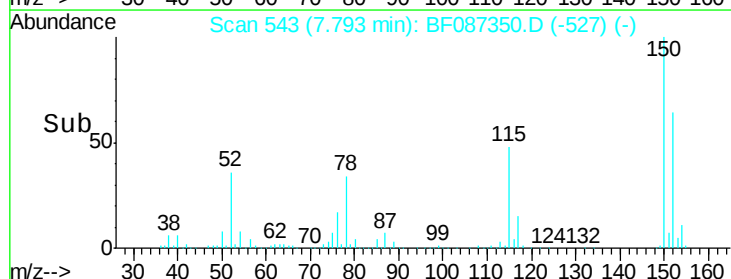
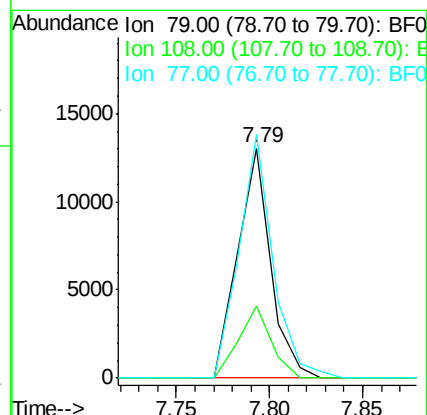
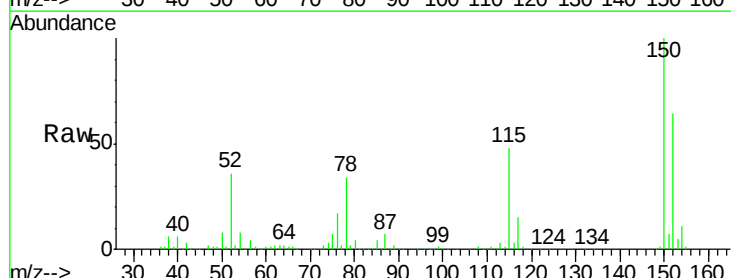
Tgt Ion: 79 Resp: 16018

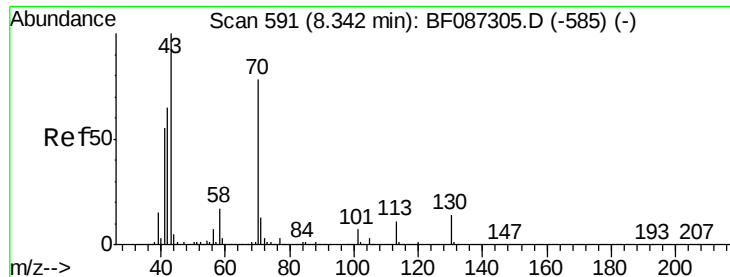
Ion Ratio Lower Upper

79 100

108 31.4 68.4 102.6#

77 106.1 50.6 76.0#

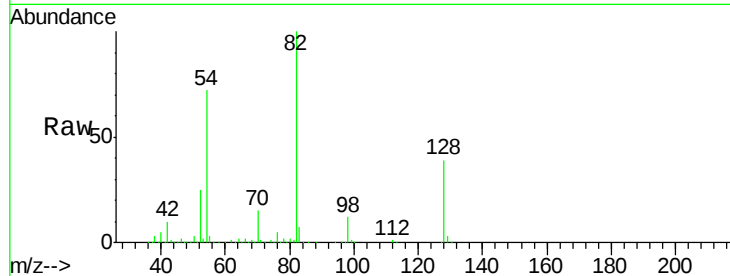




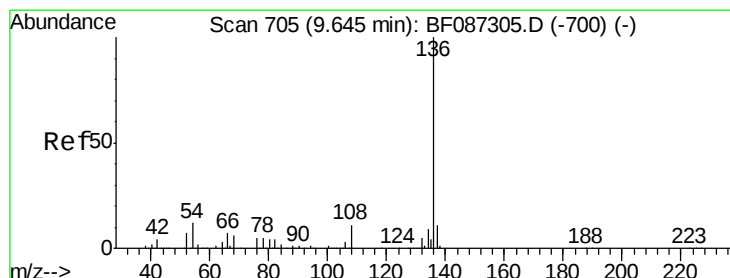
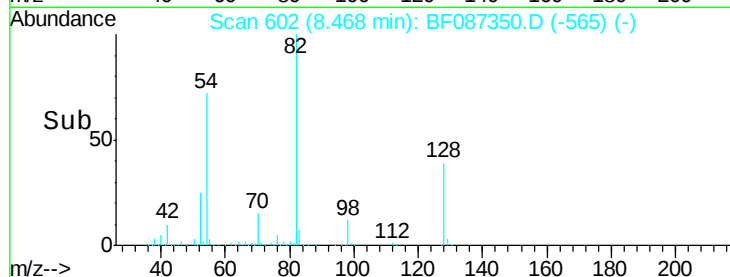
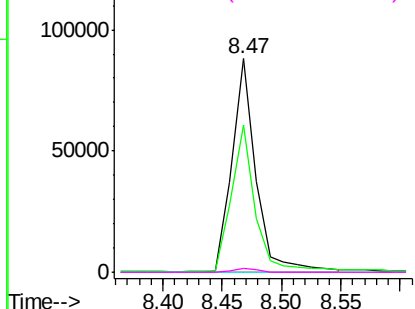
#19
n-Nitroso-di-n-propylamine
Concen: 19.86 ng
RT: 8.47 min Scan# 602
Delta R.T. 0.13 min
Lab File: BF087350.D
Acq: 24 May 2016 22:01

Instrument :
BNA_F
ClientSampleId :
SOUTHTUBEMILEPOST-1-10

Tgt Ion: 70 Resp: 124736
Ion Ratio Lower Upper
70 100
42 68.9 43.1 64.7#
101 0.0 8.1 12.1#
130 1.7 18.6 28.0#

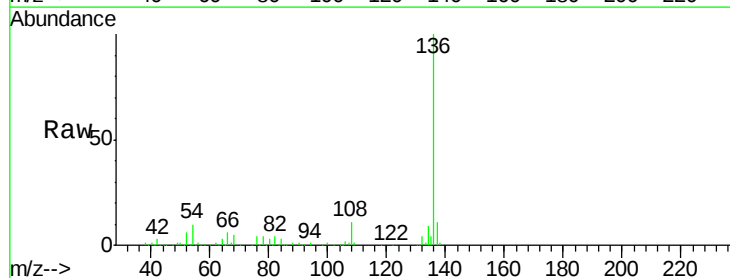


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

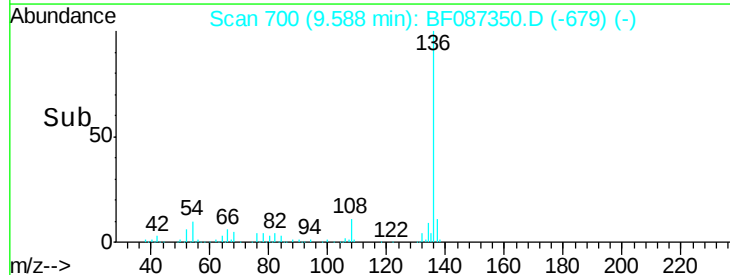
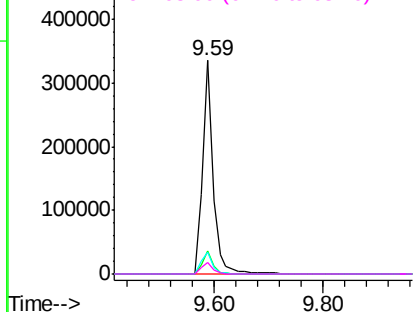


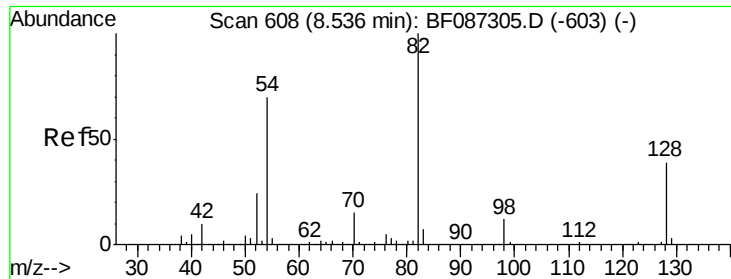
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF087350.D
Acq: 24 May 2016 22:01

Tgt Ion: 136 Resp: 445412
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.4 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

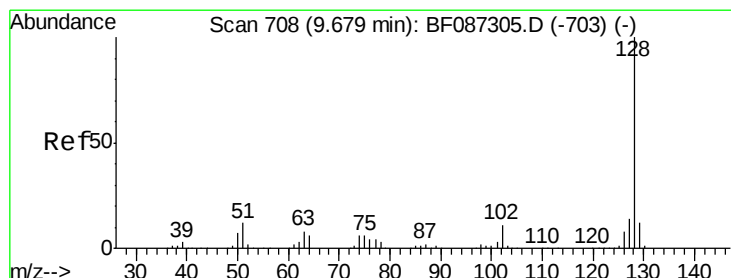
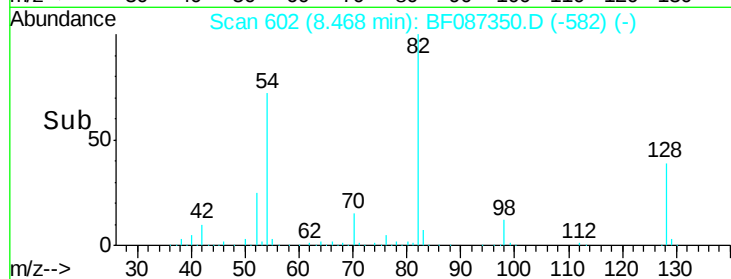
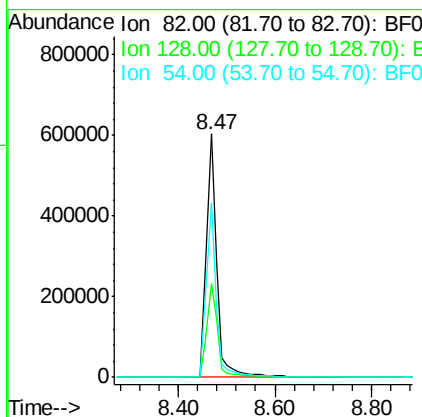
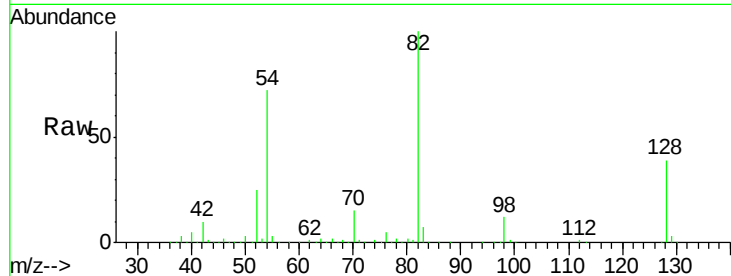




#23
 Nitrobenzene-d5
 Concen: 103.07 ng
 RT: 8.47 min Scan# 602
 Delta R.T. -0.07 min
 Lab File: BF087350.D
 Acq: 24 May 2016 22:01

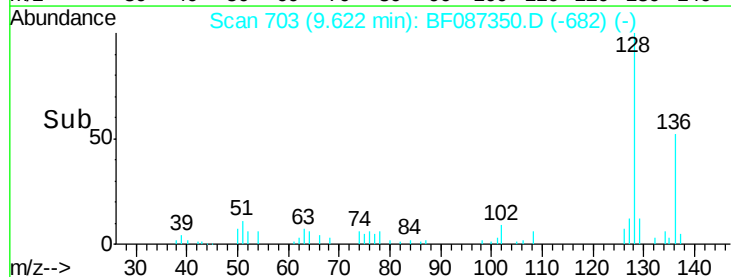
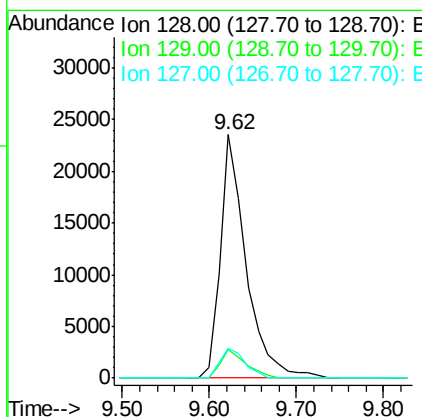
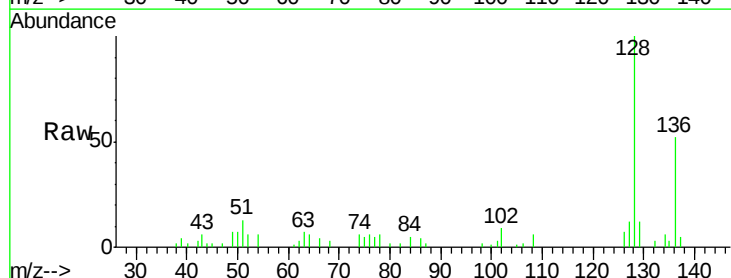
Instrument :
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 SOUTHUBEMILEPOST-1-10

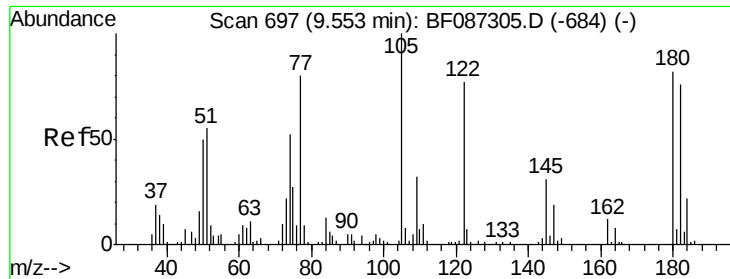
Tgt Ion: 82 Resp: 910906
 Ion Ratio Lower Upper
 82 100
 128 38.6 40.6 61.0#
 54 71.9 38.1 57.1#



#31
 Naphthalene
 Concen: 2.18 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.06 min
 Lab File: BF087350.D
 Acq: 24 May 2016 22:01

Tgt Ion: 128 Resp: 48687
 Ion Ratio Lower Upper
 128 100
 129 11.8 8.6 13.0
 127 12.1 10.8 16.2

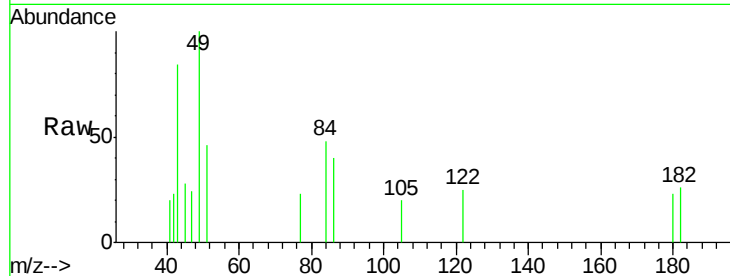




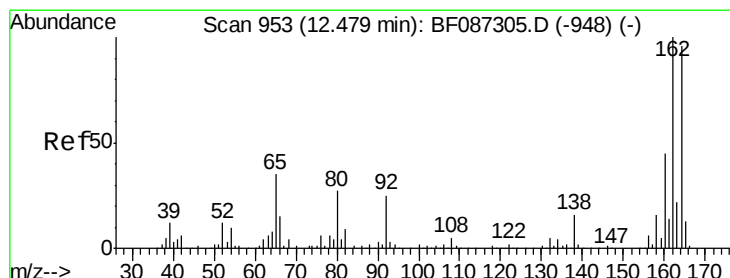
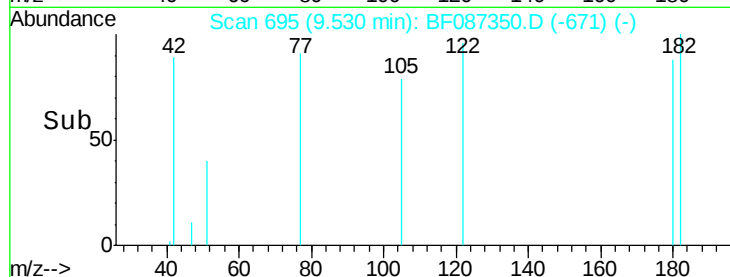
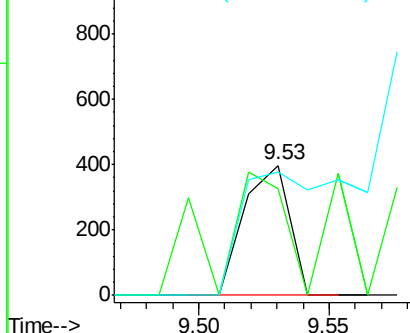
#32
Benzoic acid
Concen: 5.95 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF087350.D
Acq: 24 May 2016 22:01

Instrument :
BNA_F
ClientSampleId :
SOUTHTUBEMILEPOST-1-10

Tgt Ion:122 Resp: 487
Ion Ratio Lower Upper
122 100
105 82.4 92.6 132.6#
77 94.5 60.0 100.0

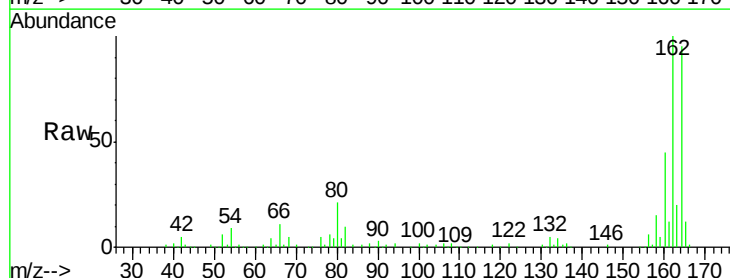


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

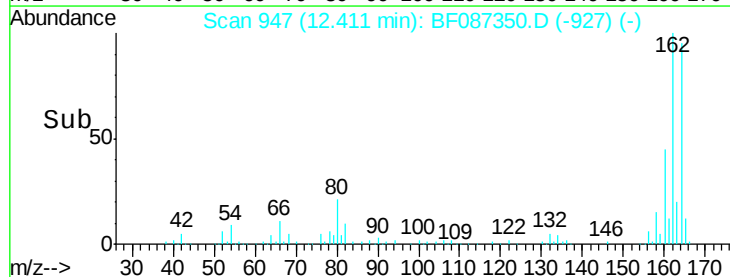
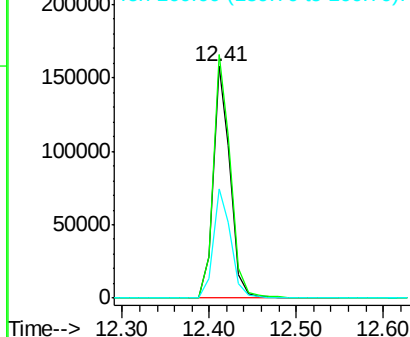


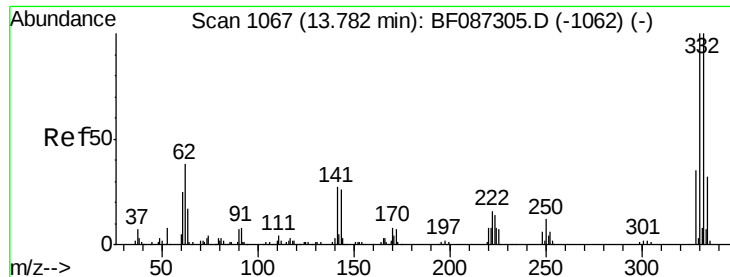
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.07 min
Lab File: BF087350.D
Acq: 24 May 2016 22:01

Tgt Ion:164 Resp: 215155
Ion Ratio Lower Upper
164 100
162 105.1 82.8 124.2
160 47.1 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: 167.47 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.07 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

Instrument :

BNA_F

ClientSampleId :

SOUTHTUBEMILEPOST-1-10

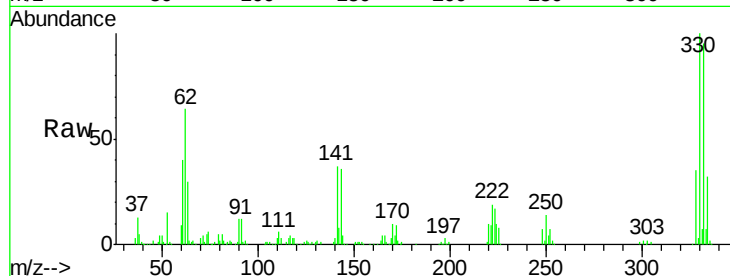
Tgt Ion:330 Resp: 346260

Ion Ratio Lower Upper

330 100

332 95.9 79.0 118.4

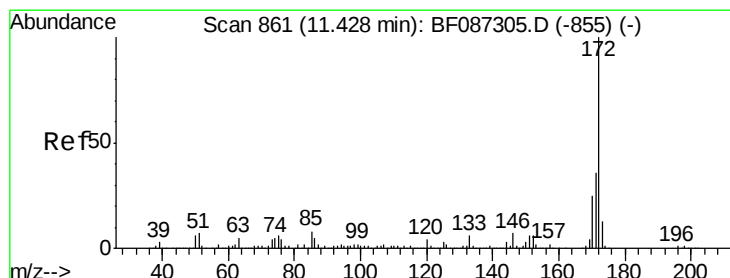
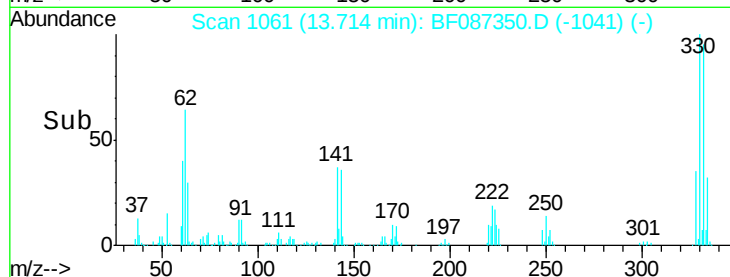
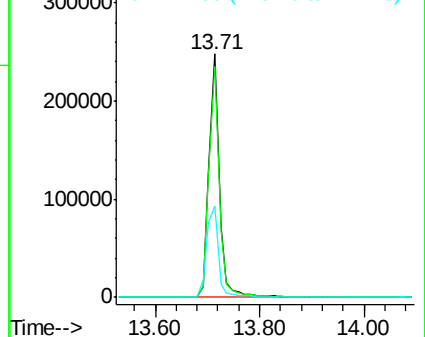
141 43.2 31.2 46.8



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: 103.75 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.06 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

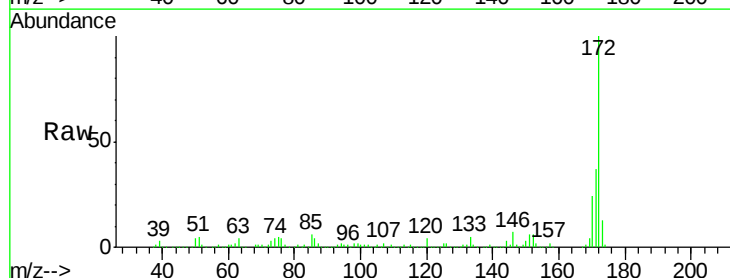
Tgt Ion:172 Resp: 1583379

Ion Ratio Lower Upper

172 100

171 36.5 29.0 43.6

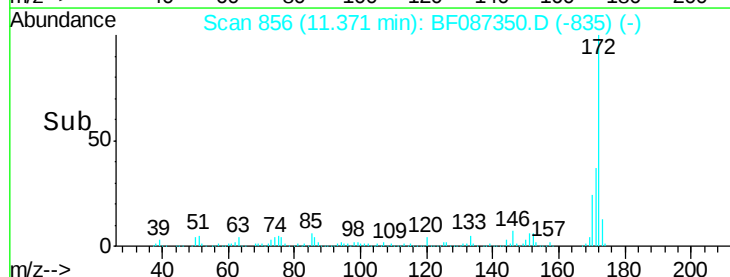
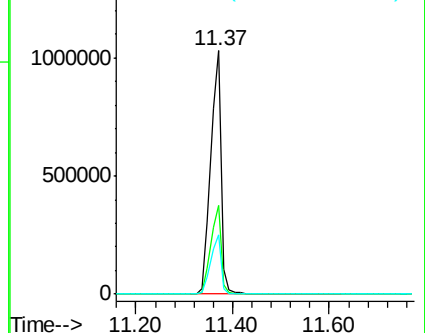
170 24.4 19.8 29.8

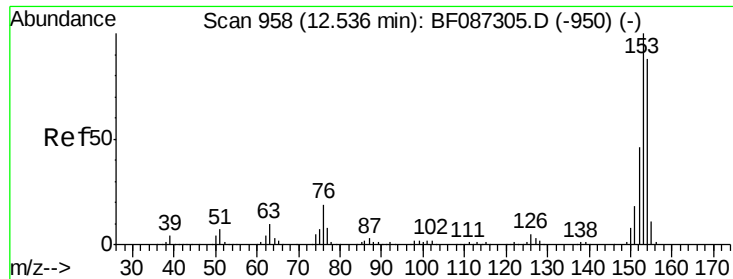


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.27 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.07 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

Instrument :

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SOUTHTUBEMILEPOST-1-10

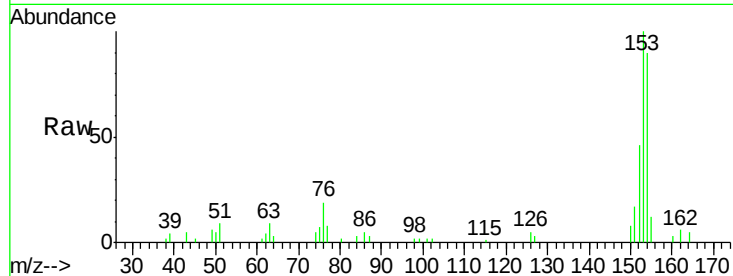
Tgt Ion:154 Resp: 30596

Ion Ratio Lower Upper

154 100

153 111.3 89.8 134.6

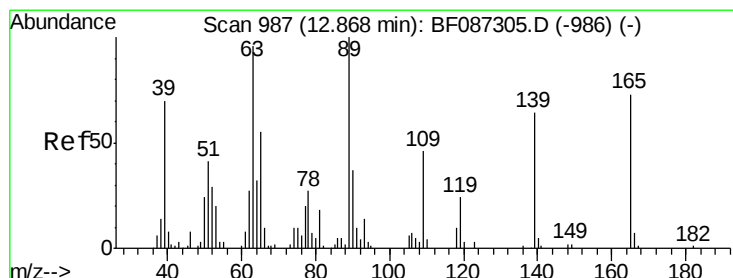
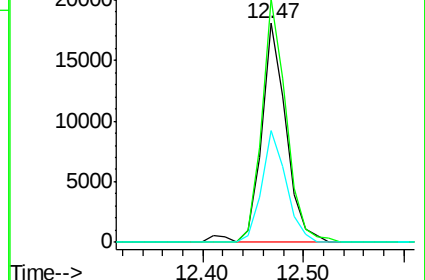
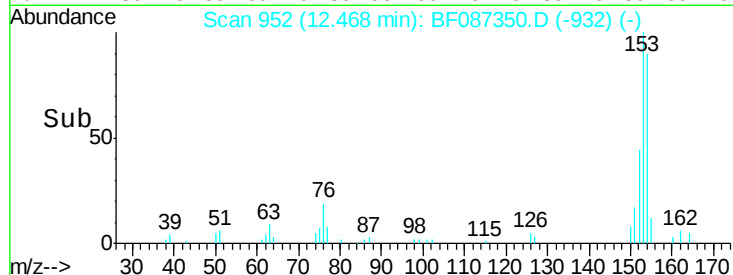
152 50.9 43.4 65.0



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



#55

4-Nitrophenol

Concen: 2.97 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.09 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

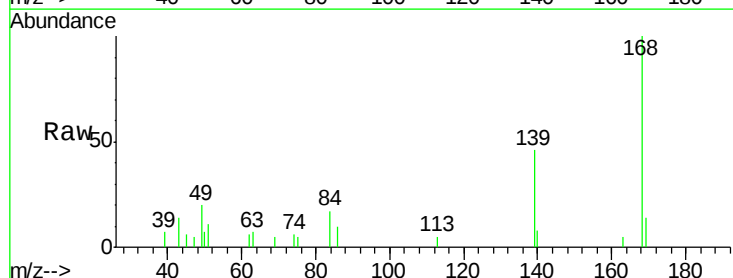
Tgt Ion:139 Resp: 5058

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

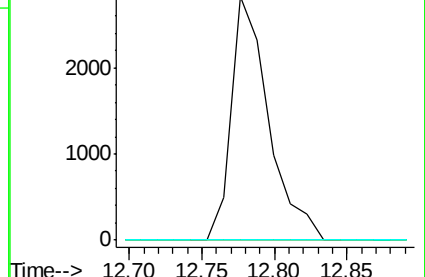
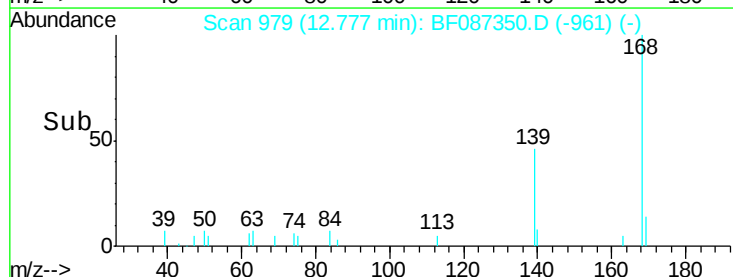
65 0.0 64.0 104.0#

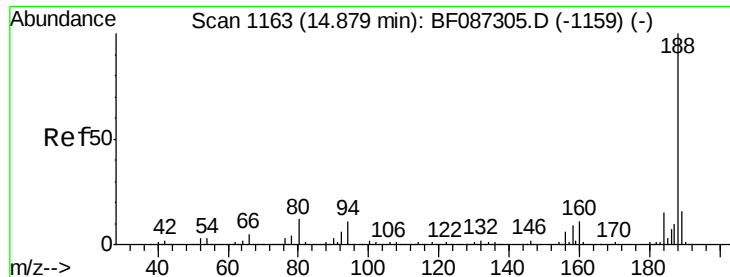


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

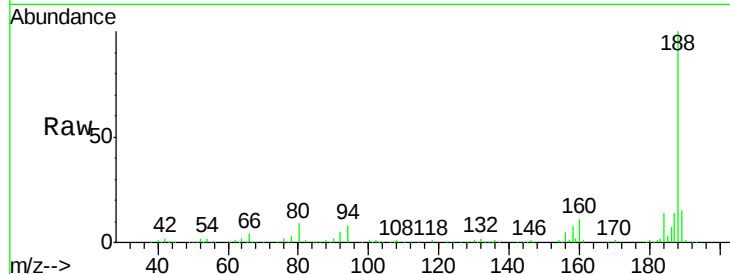




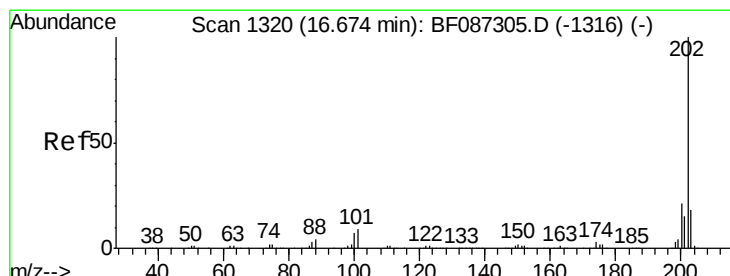
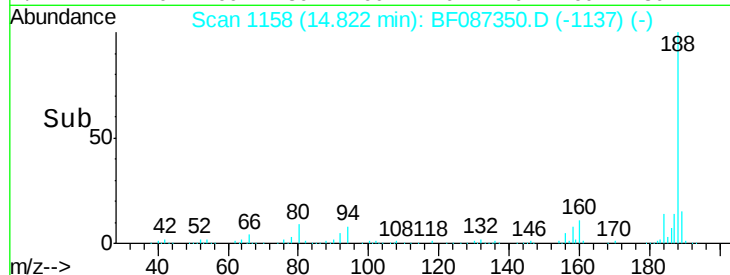
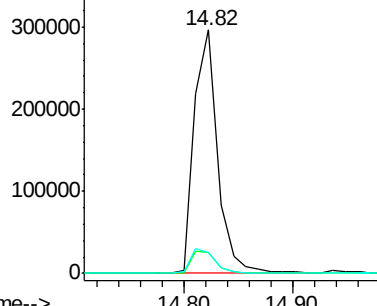
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 1158
 Delta R.T. -0.06 min
 Lab File: BF087350.D
 Acq: 24 May 2016 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHUBEMILEPOST-1-10

Tgt Ion:188 Resp: 441711
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.8 10.2
 80 8.8 7.1 10.7

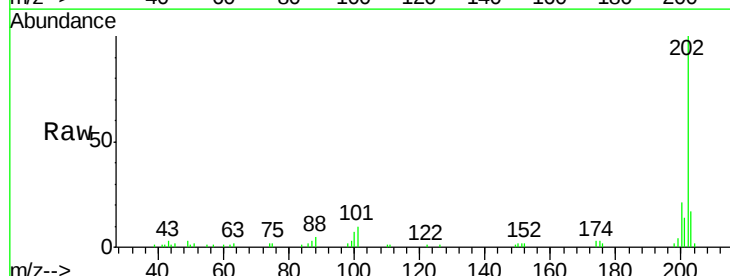


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

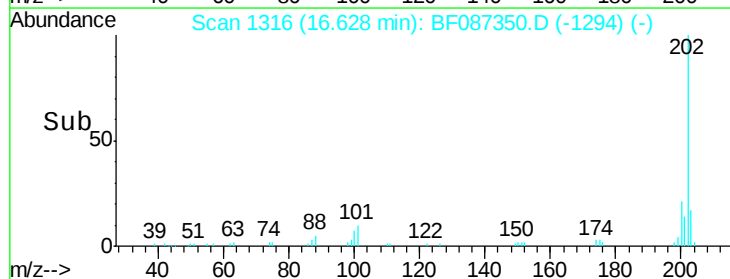
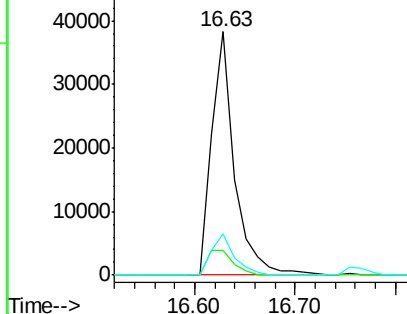


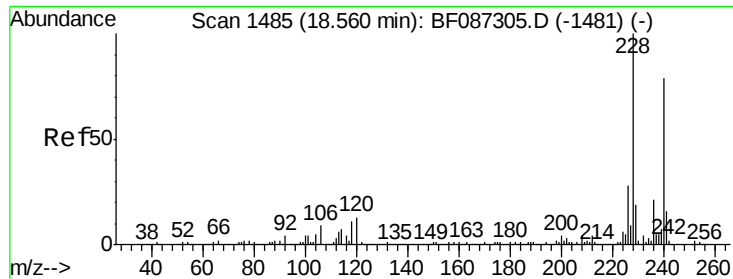
#74
 Fluoranthene
 Concen: 2.44 ng
 RT: 16.63 min Scan# 1316
 Delta R.T. -0.05 min
 Lab File: BF087350.D
 Acq: 24 May 2016 22:01

Tgt Ion:202 Resp: 59813
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 35.4
 203 17.1 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: 20.00 ng

RT: 18.50 min Scan# 1480

Delta R.T. -0.06 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

Instrument :

BNA_F

ClientSampleId :

SOUTHTUBEMILEPOST-1-10

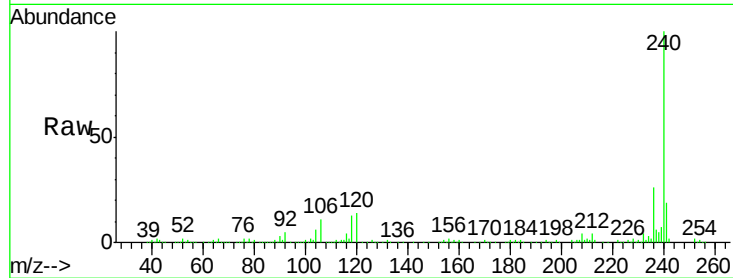
Tgt Ion:240 Resp: 377828

Ion Ratio Lower Upper

240 100

120 14.3 11.2 16.8

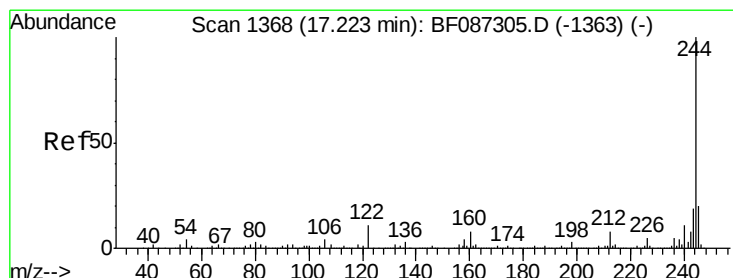
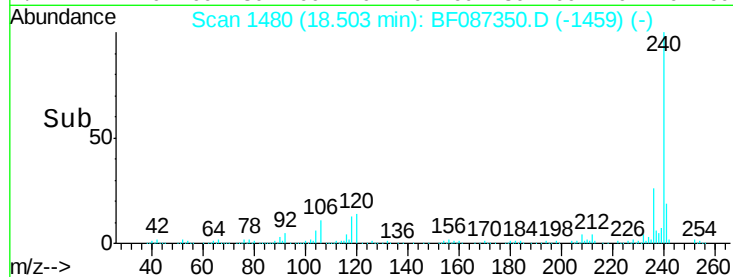
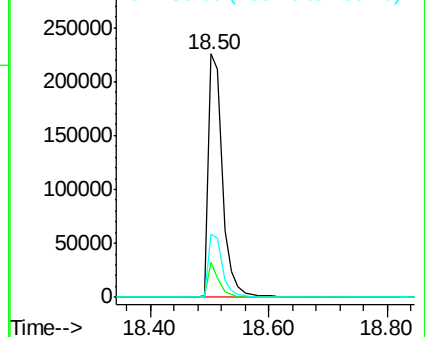
236 25.9 21.2 31.8



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



#78

Terphenyl-d14

Concen: 93.86 ng

RT: 17.18 min Scan# 1364

Delta R.T. -0.05 min

Lab File: BF087350.D

Acq: 24 May 2016 22:01

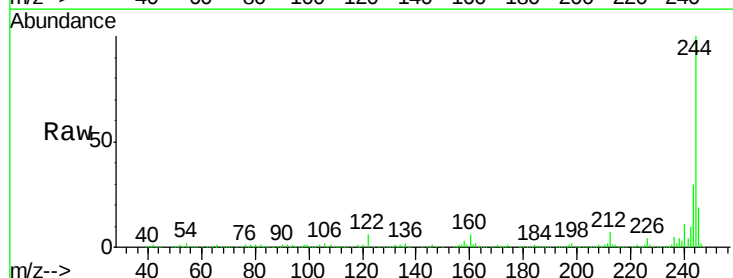
Tgt Ion:244 Resp: 1668042

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

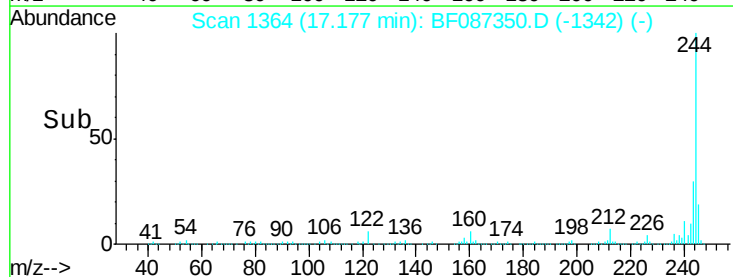
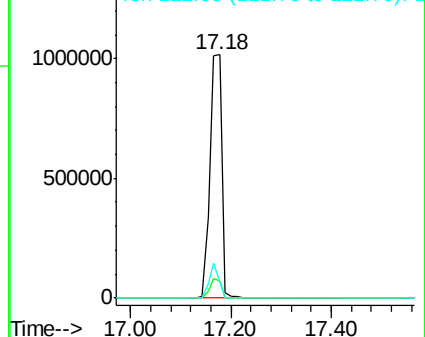
122 6.3 12.0 18.0#

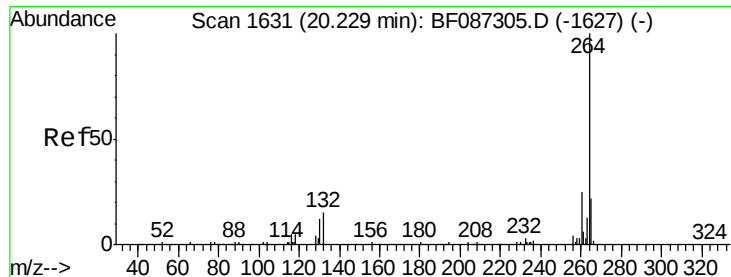


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.18 min Scan# 1627
Delta R.T. -0.05 min
Lab File: BF087350.D
Acq: 24 May 2016 22:01

Instrument :
BNA_F
ClientSampleId :
SOUTHTUBEMILEPOST-1-10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.3	17.3	25.9

