

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086959.D
 Acq On : 13 May 2016 7:12
 Operator : UM/SJ
 Sample : H2994-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1335-00(0-3)

Quant Time: May 13 08:03:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 00:58:18 2016
 Response via : Initial Calibration

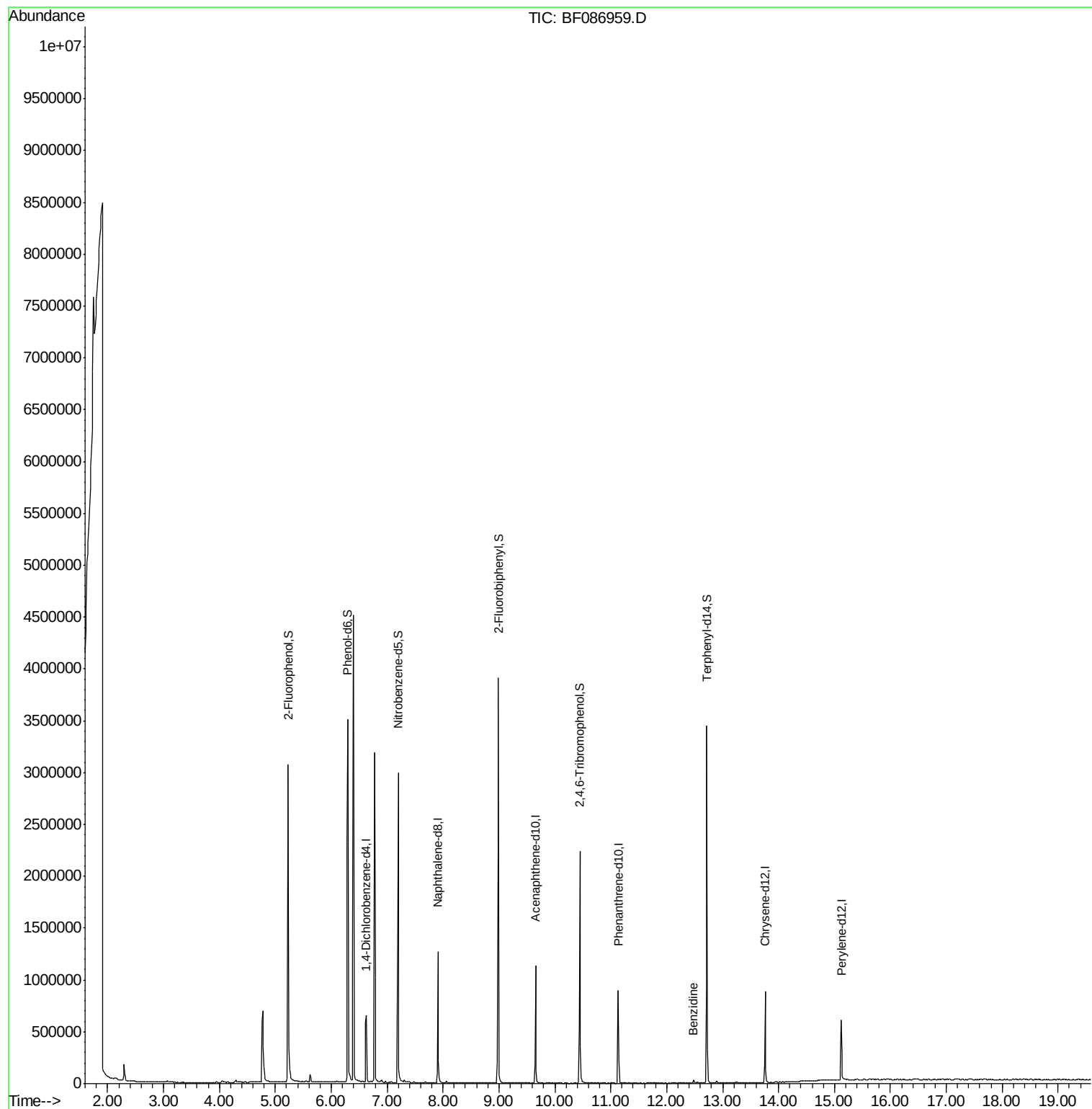
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	128339	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	506229	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	204319	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	316358	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	295906	20.00	ng	-0.01
86) Perylene-d12	15.12	264	243193	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1071462	141.39	ng	0.02
7) Phenol-d6	6.30	99	1375183	135.78	ng	0.00
23) Nitrobenzene-d5	7.20	82	971656	96.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	240192	111.04	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1426701	117.36	ng	0.00
78) Terphenyl-d14	12.72	244	989462	70.95	ng	0.00
Target Compounds						
76) Benzidine	12.48	184	22824	3.03	ng	Qvalue 97

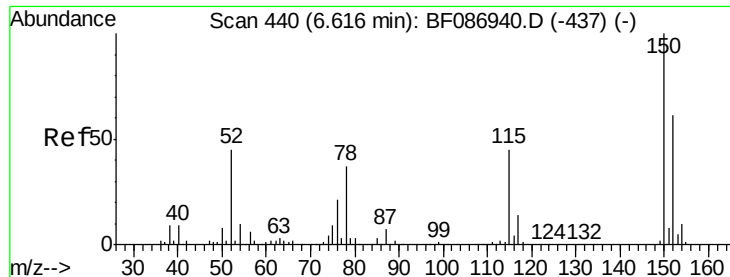
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.00 min

Lab File: BF086959.D

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BNA_F

ClientSampleId :

PM-STA-1335-00(0-3)

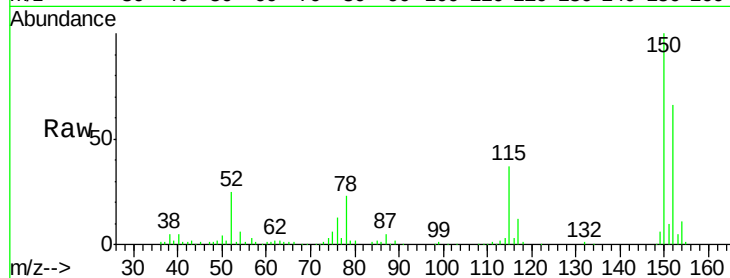
Tgt Ion:152 Resp: 128339

Ion Ratio Lower Upper

152 100

150 152.3 125.8 188.6

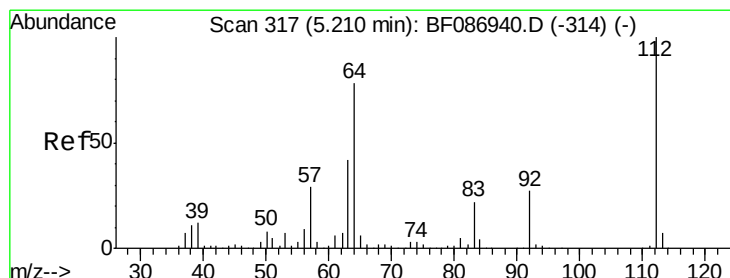
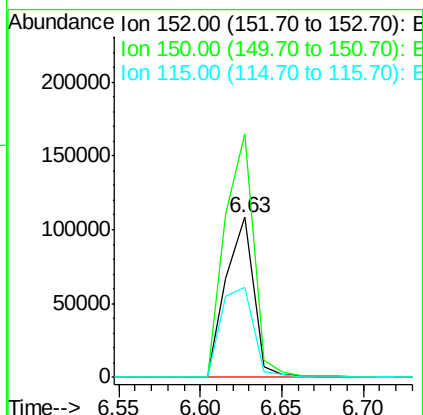
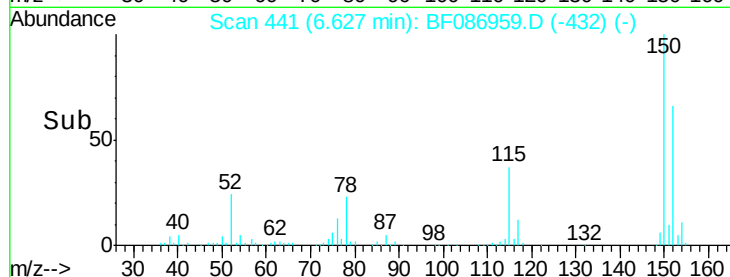
115 56.0 51.5 77.3



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: 141.39 ng

RT: 5.23 min Scan# 319

Delta R.T. 0.02 min

Lab File: BF086959.D

Acq: 13 May 2016 7:12

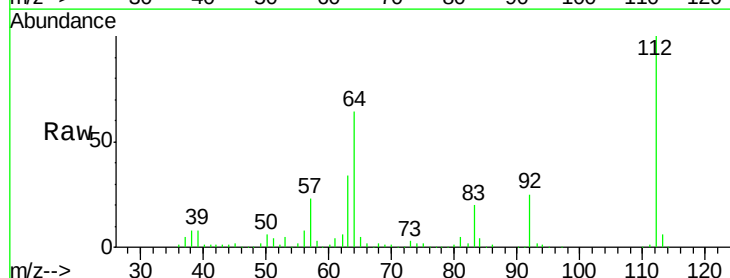
Tgt Ion:112 Resp: 1071462

Ion Ratio Lower Upper

112 100

64 63.7 52.1 78.1

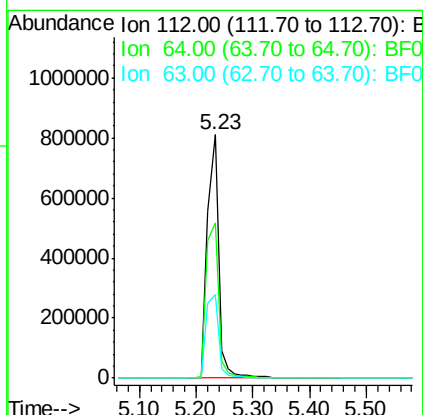
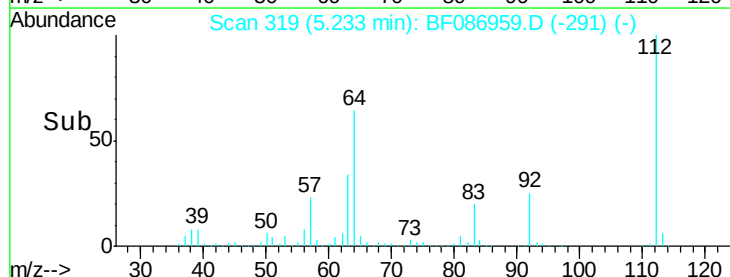
63 34.4 25.7 38.5

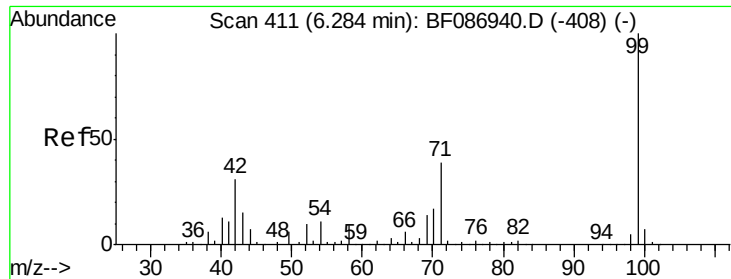


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.78 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF086959.D

Acq: 13 May 2016 7:12

Instrument :

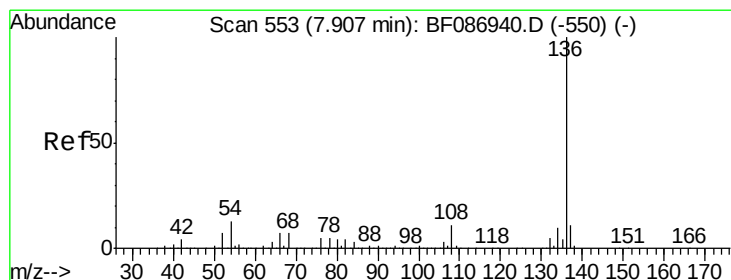
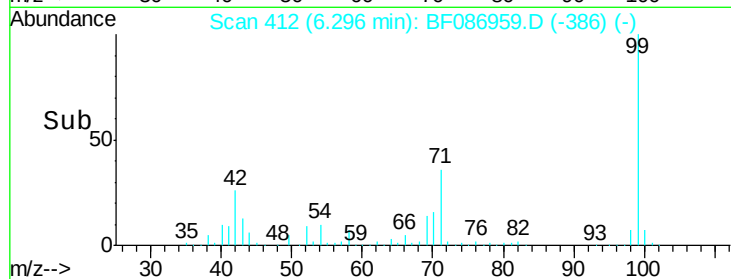
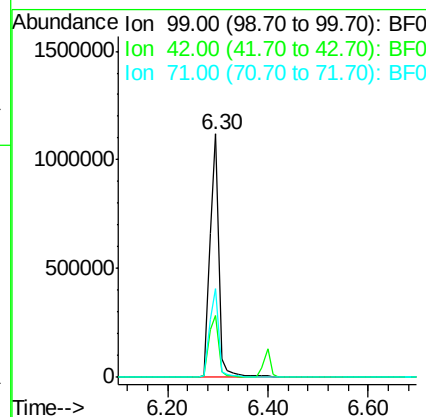
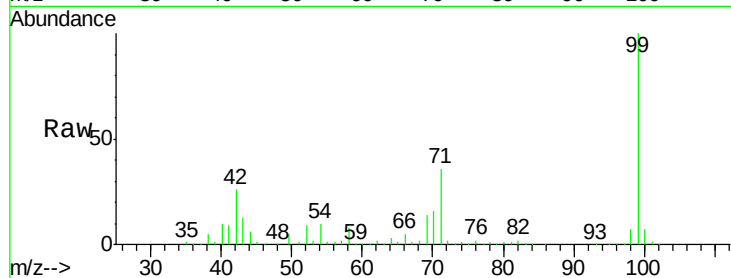
BNA_F

ClientSampleId :

PM-STA-1335-00(0-3)

Tgt Ion: 99 Resp: 1375183

Ion	Ratio	Lower	Upper
99	100		
42	25.7	13.6	20.4#
71	36.2	24.6	36.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

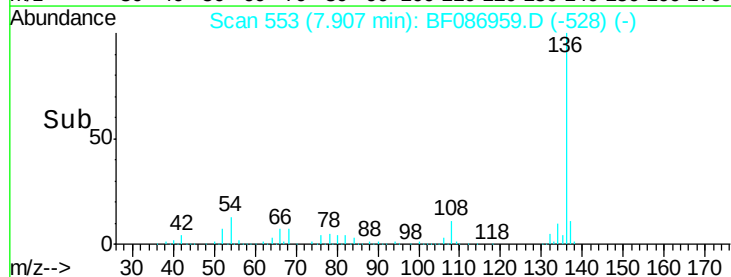
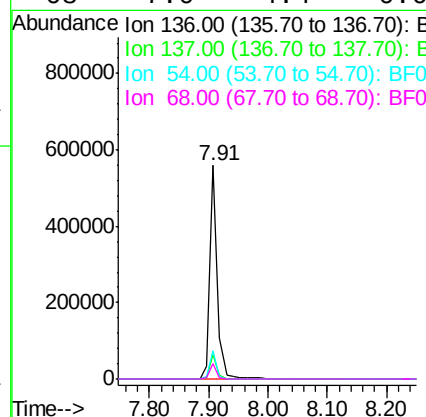
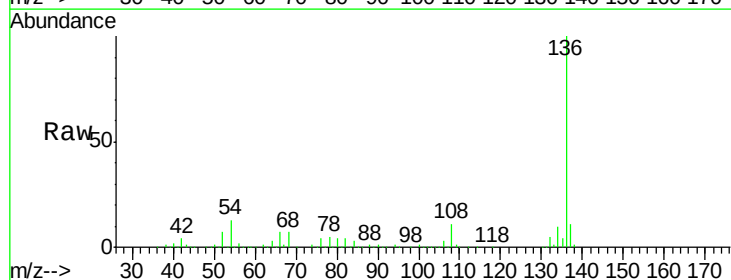
Delta R.T. -0.01 min

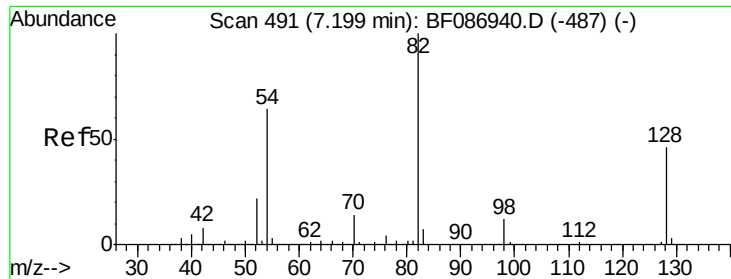
Lab File: BF086959.D

Acq: 13 May 2016 7:12

Tgt Ion: 136 Resp: 506229

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	13.3	5.0	7.4#
68	7.0	4.4	6.6#

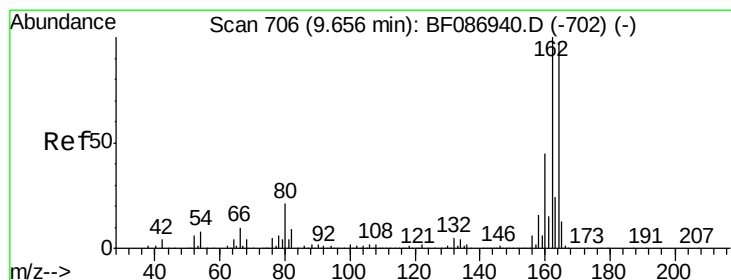
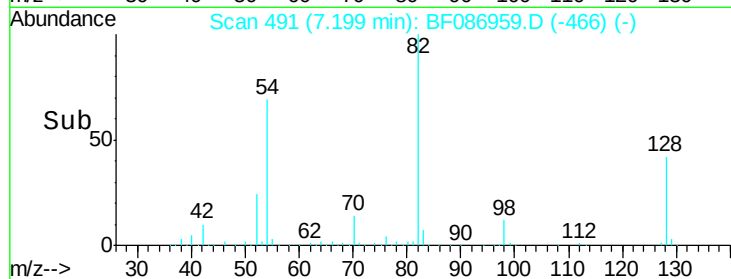
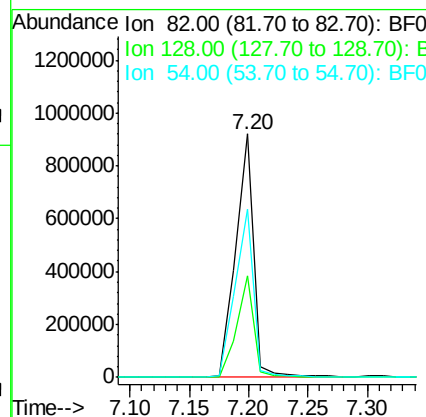
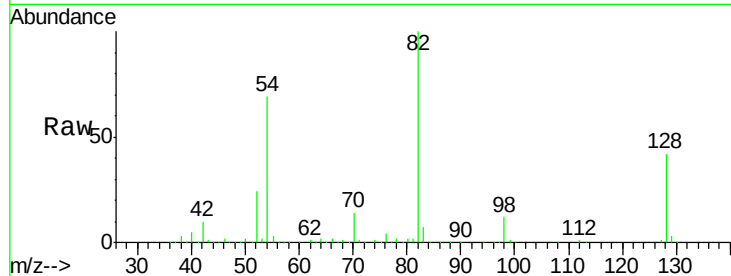




#23
 Nitrobenzene-d5
 Concen: 96.38 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF086959.D
 Acq: 13 May 2016 7:12

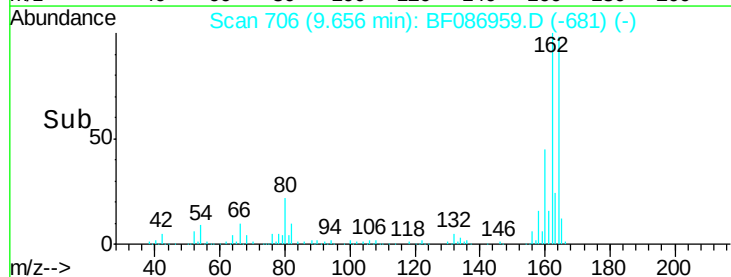
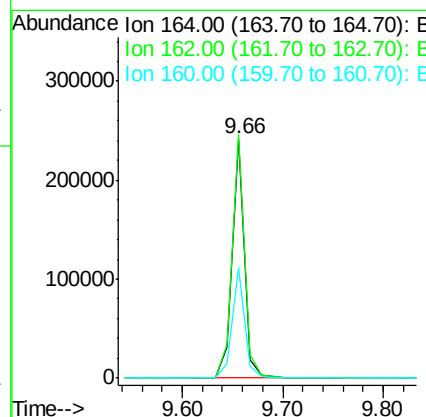
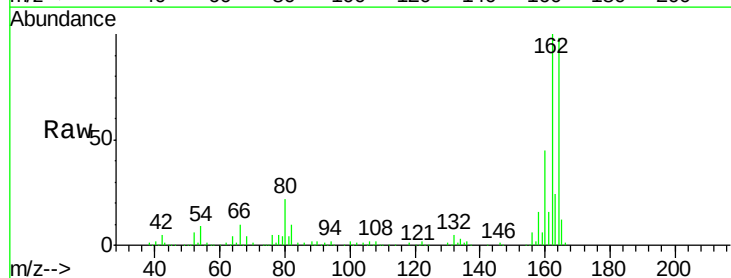
Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1335-00(0-3)

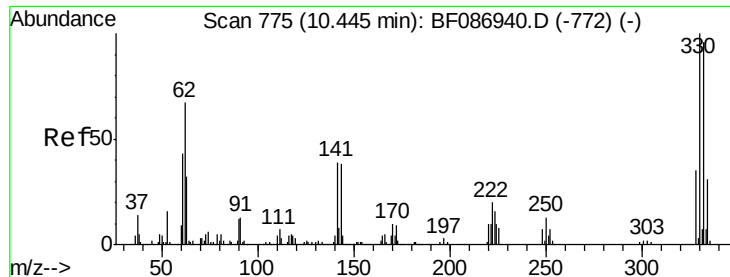
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.6	40.6	61.0
54	69.1	38.1	57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF086959.D
 Acq: 13 May 2016 7:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.8	124.2
160	46.3	36.9	55.3

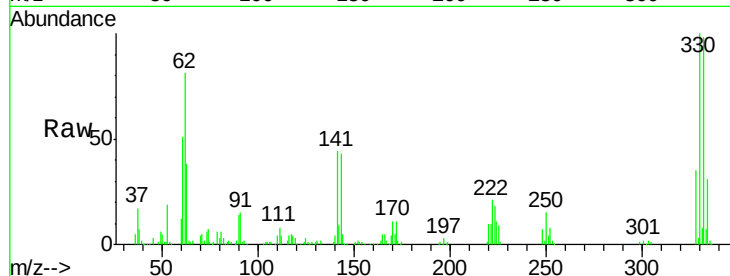




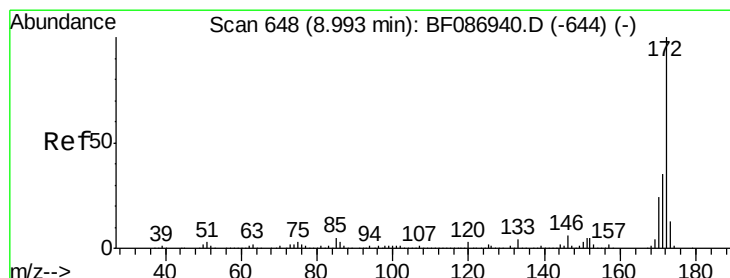
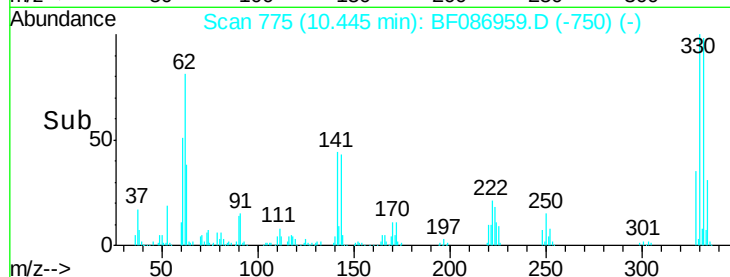
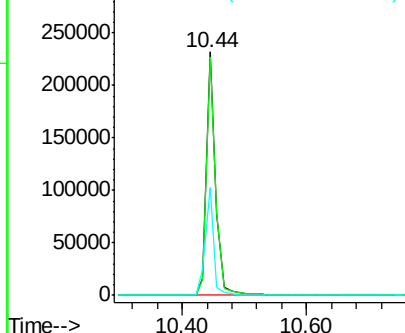
#41
 2,4,6-Tribromophenol
 Concen: 111.04 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF086959.D
 Acq: 13 May 2016 7:12

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1335-00(0-3)

Tgt Ion:330 Resp: 240192
 Ion Ratio Lower Upper
 330 100
 332 98.5 79.0 118.4
 141 40.8 31.2 46.8

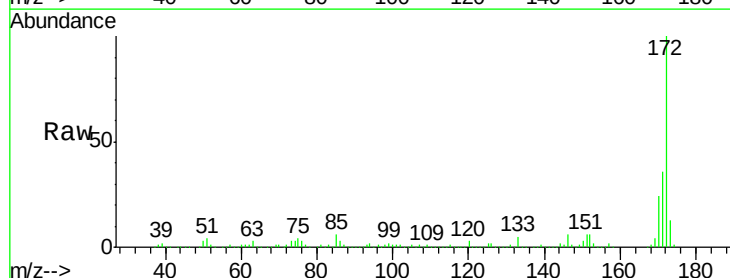


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

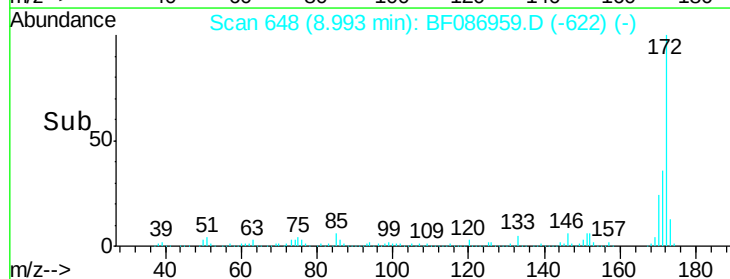
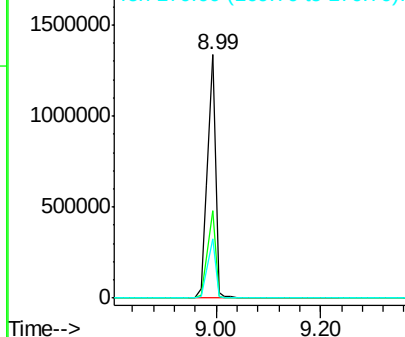


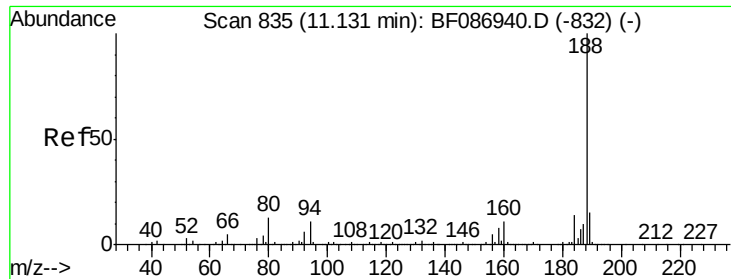
#44
 2-Fluorobiphenyl
 Concen: 117.36 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF086959.D
 Acq: 13 May 2016 7:12

Tgt Ion:172 Resp: 1426701
 Ion Ratio Lower Upper
 172 100
 171 36.1 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

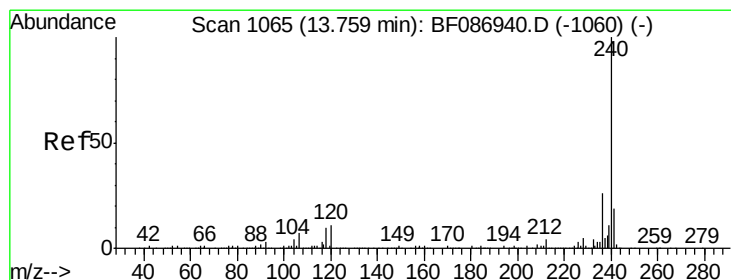
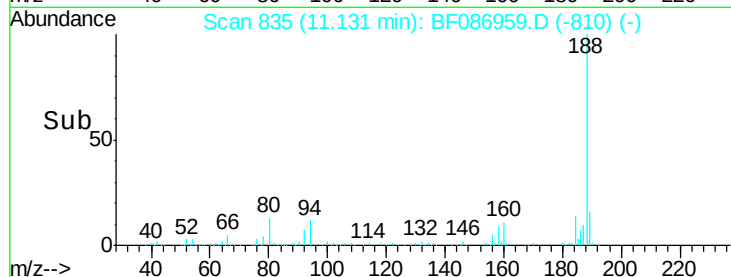
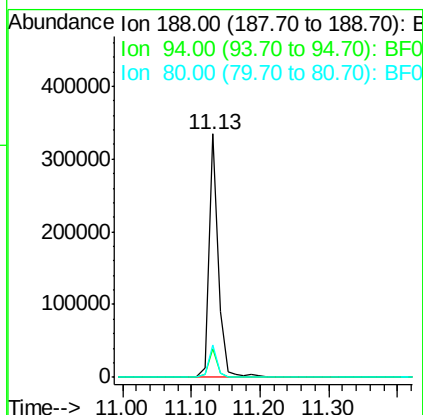
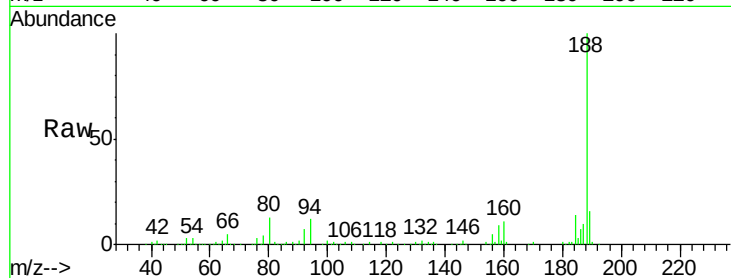




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF086959.D
Acq: 13 May 2016 7:12

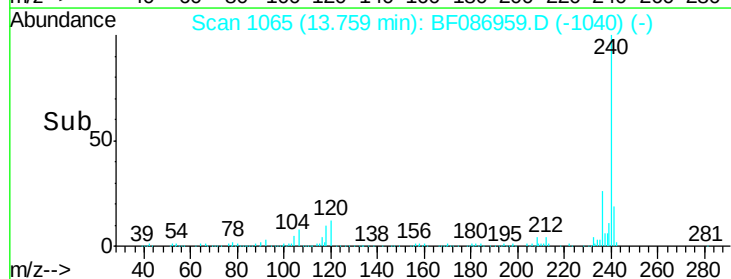
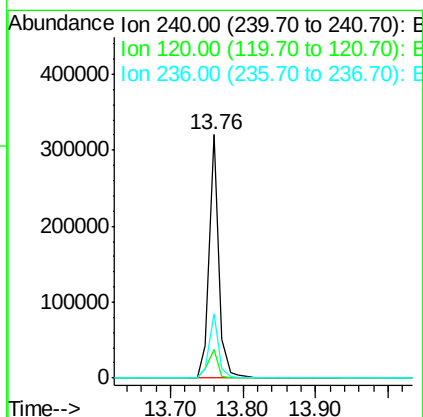
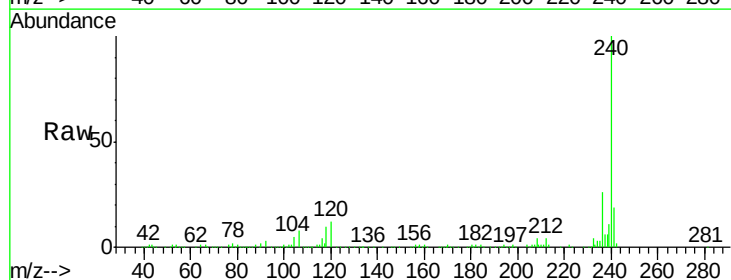
Instrument :
BNA_F
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PM-STA-1335-00(0-3)

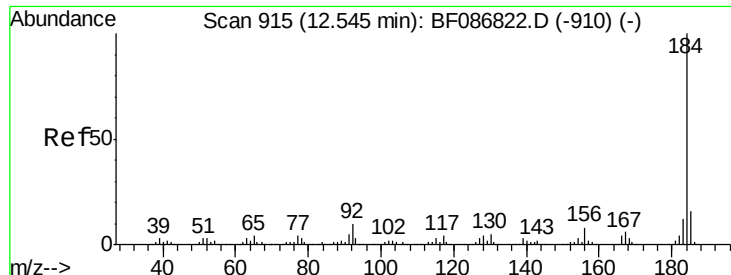
Tgt Ion:188 Resp: 316358
Ion Ratio Lower Upper
188 100
94 11.8 6.8 10.2#
80 13.3 7.1 10.7#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF086959.D
Acq: 13 May 2016 7:12

Tgt Ion:240 Resp: 295906
Ion Ratio Lower Upper
240 100
120 11.9 11.2 16.8
236 26.3 21.2 31.8





#76

Benzidine

Concen: 3.03 ng

RT: 12.48 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF086959.D

Acq: 13 May 2016 7:12

Instrument :

BNA_F

ClientSampleId :

PM-STA-1335-00(0-3)

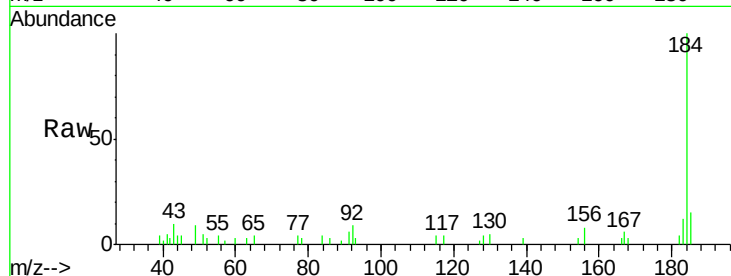
Tgt Ion:184 Resp: 22824

Ion Ratio Lower Upper

184 100

185 14.9 13.6 20.4

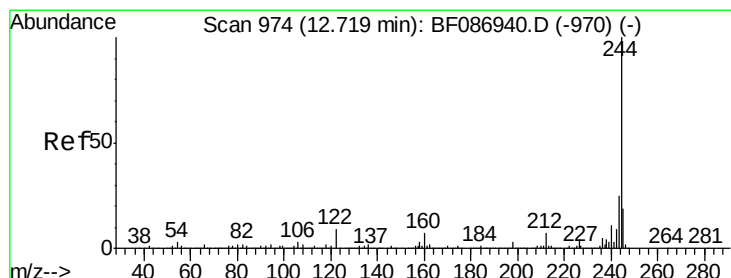
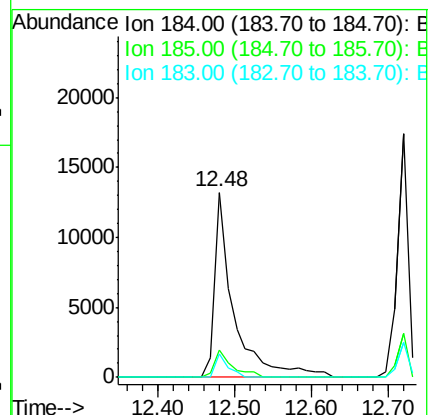
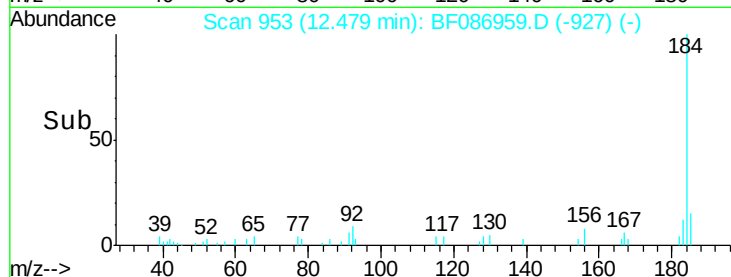
183 12.3 9.8 14.6



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



#78

Terphenyl-d14

Concen: 70.95 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086959.D

Acq: 13 May 2016 7:12

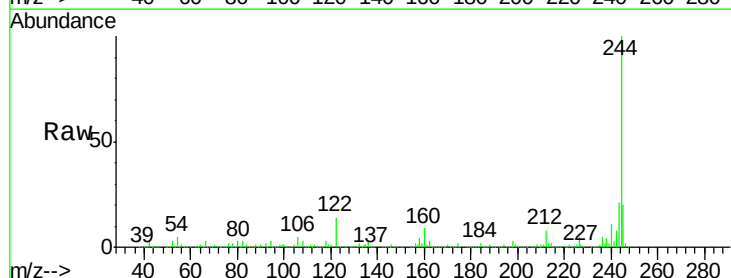
Tgt Ion:244 Resp: 989462

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

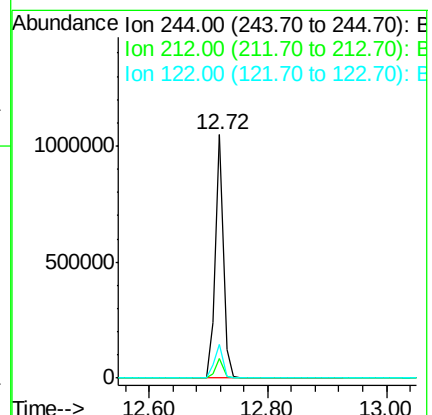
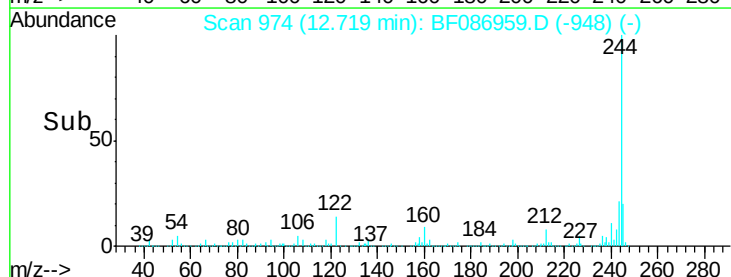
122 13.7 12.0 18.0

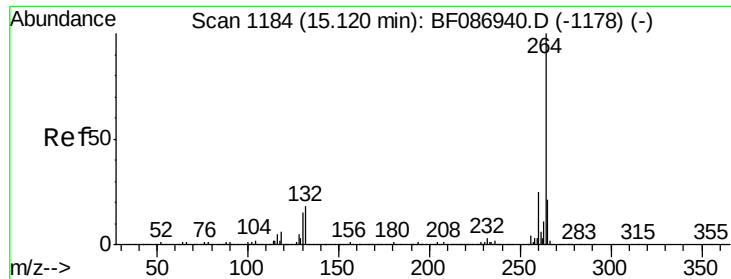


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF086959.D
Acq: 13 May 2016 7:12

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.6	17.3	25.9

