

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
 Data File : BF087005.D
 Acq On : 14 May 2016 8:00
 Operator : UM/SJ
 Sample : H2989-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: May 16 01:26:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 16 01:11:12 2016
 Response via : Initial Calibration

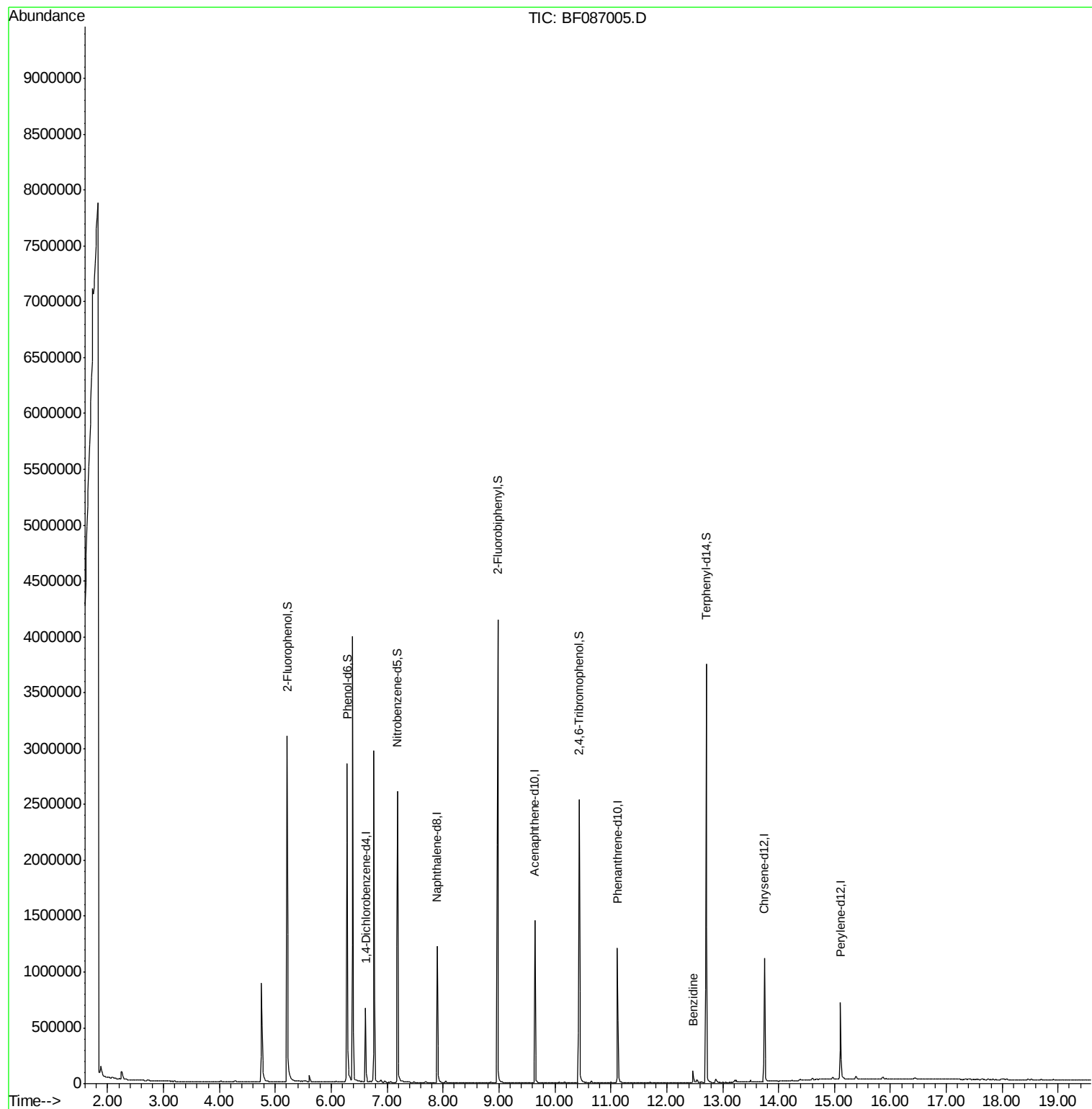
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	131644	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	536113	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	268821	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	494951	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	369626	20.00	ng	-0.01
86) Perylene-d12	15.11	264	299067	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	866520	111.47	ng	0.01
7) Phenol-d6	6.28	99	1209935	116.46	ng	0.00
23) Nitrobenzene-d5	7.19	82	894551	83.78	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	308988	108.57	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	1427464	89.24	ng	0.00
78) Terphenyl-d14	12.71	244	1297736	74.49	ng	0.00
Target Compounds						
76) Benzidine	12.47	184	59211	6.28	ng	Qvalue 95

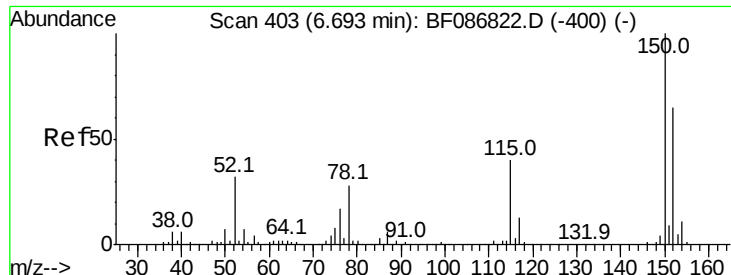
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087005.D
Acq On : 14 May 2016 8:00
Operator : UM/SJ
Sample : H2989-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Time: May 16 01:26:38 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 16 01:11:12 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

Instrument :

BNA_F

ClientSampleId :

WC-2

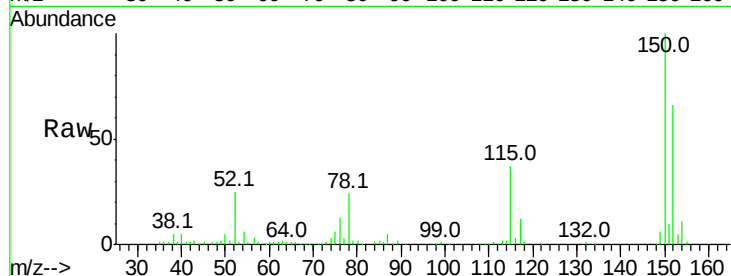
Tot Ion:152 Resp: 131644

Ion Ratio Lower Upper

152 100

150 152.3 125.8 188.6

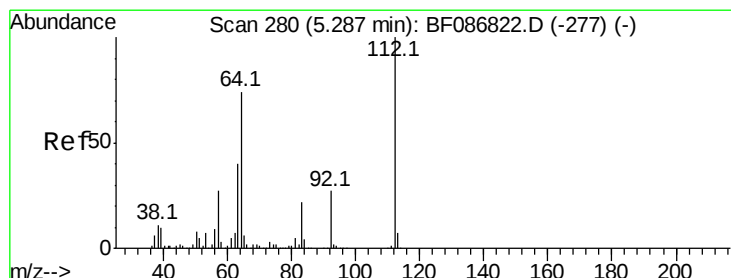
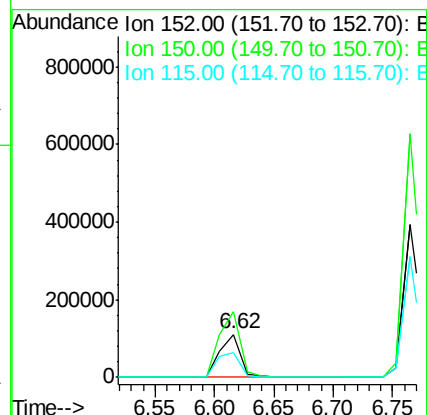
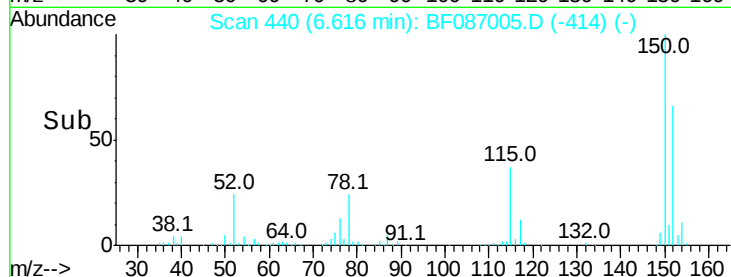
115 56.4 51.5 77.3



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: 111.47 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

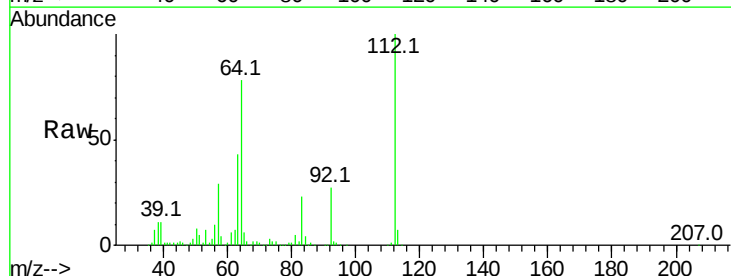
Tgt Ion:112 Resp: 866520

Ion Ratio Lower Upper

112 100

64 77.5 52.1 78.1

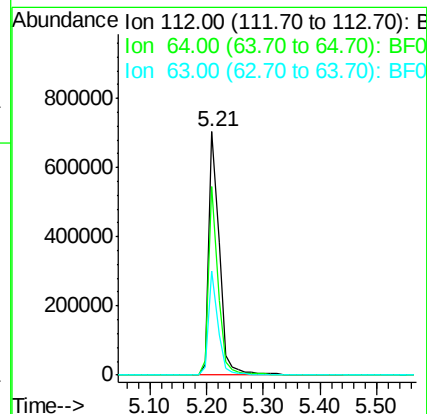
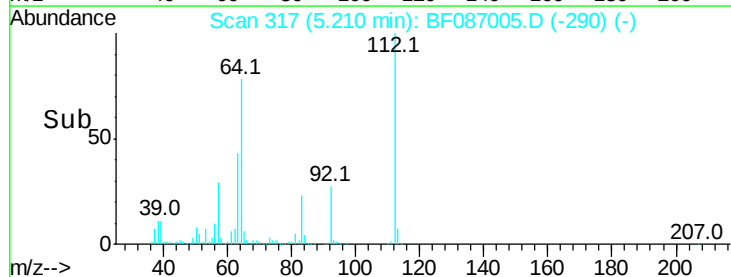
63 42.8 25.7 38.5#

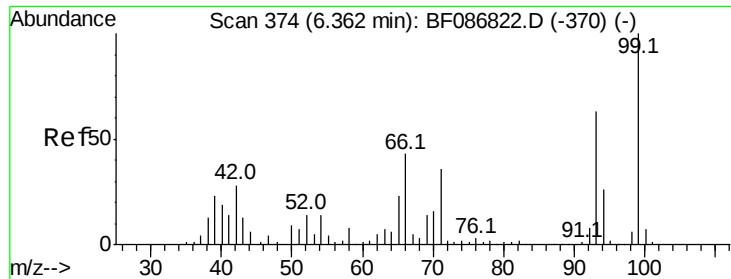


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.46 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

Instrument :

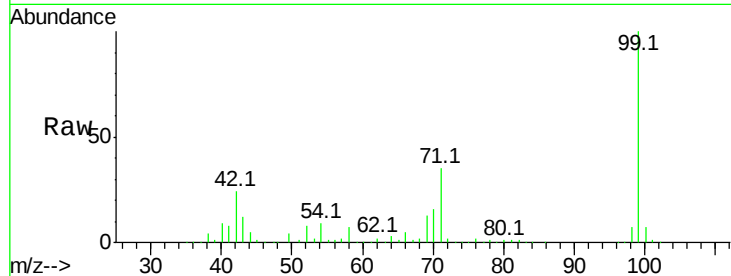
BNA_F

ClientSampleId :

WC-2

Tot Ion: 99 Resp: 1209935

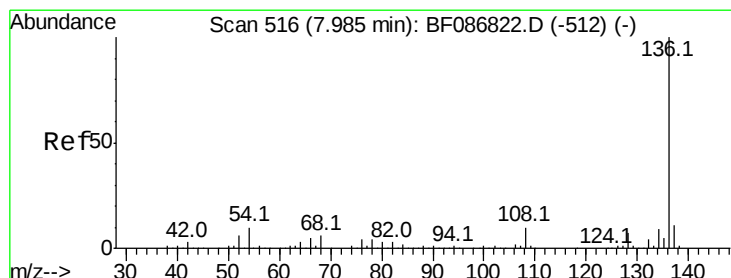
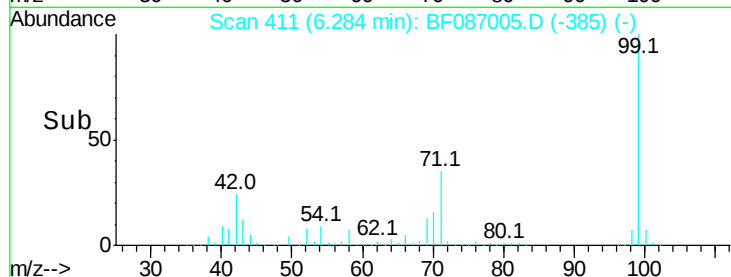
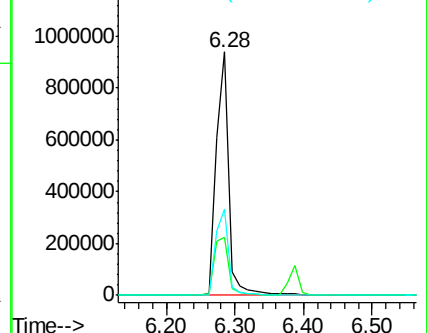
Ion	Ratio	Lower	Upper
99	100		
42	24.0	13.6	20.4#
71	35.2	24.6	36.8



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: 7.90 min Scan# 552

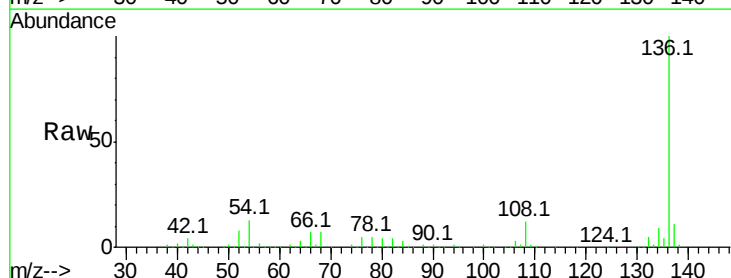
Delta R.T. -0.01 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

Tgt Ion: 136 Resp: 536113

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	13.5	5.0	7.4#
68	6.9	4.4	6.6#

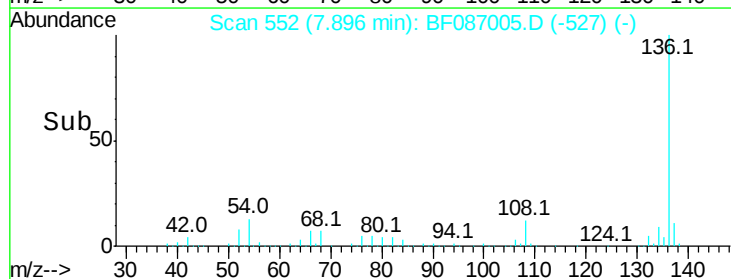
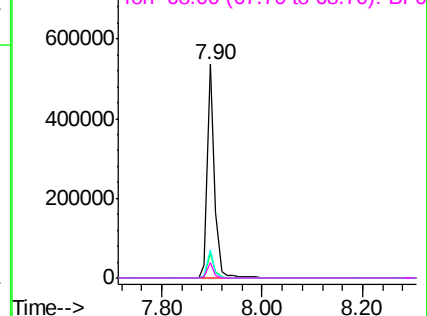


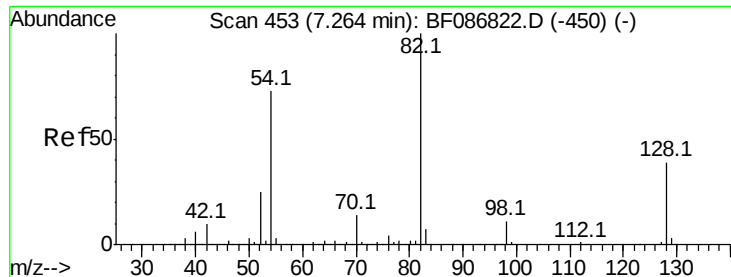
Abundance Ion 136.00 (135.70 to 136.70): E

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

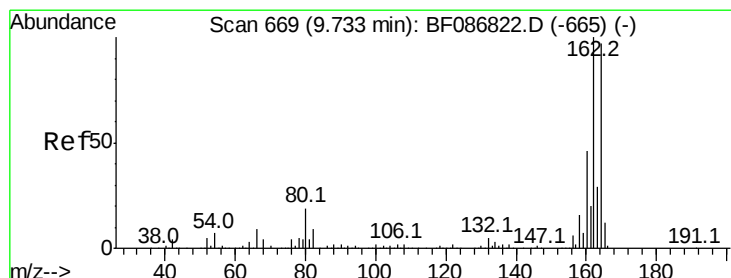
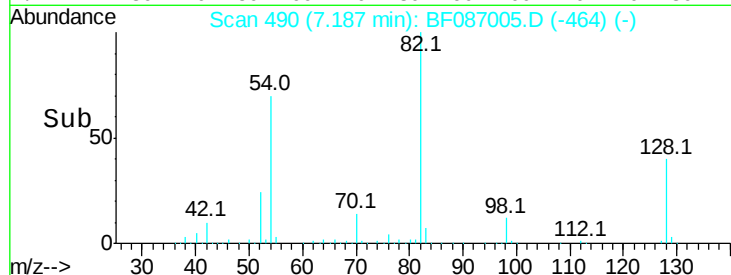
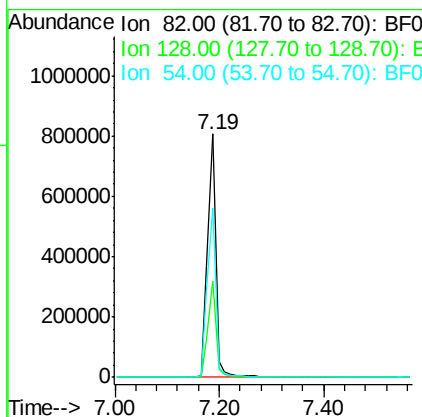
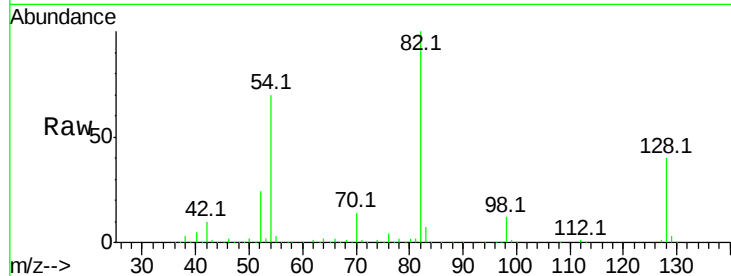




#23
 Nitrobenzene-d5
 Concen: 83.78 ng
 RT: 7.19 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

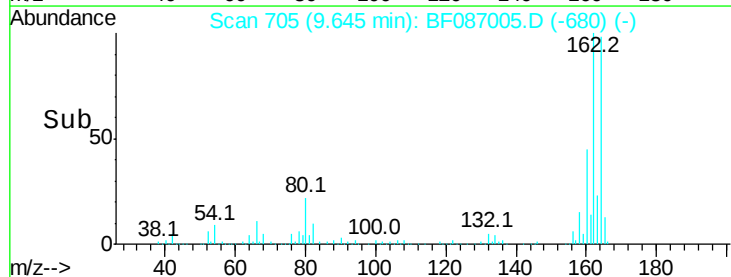
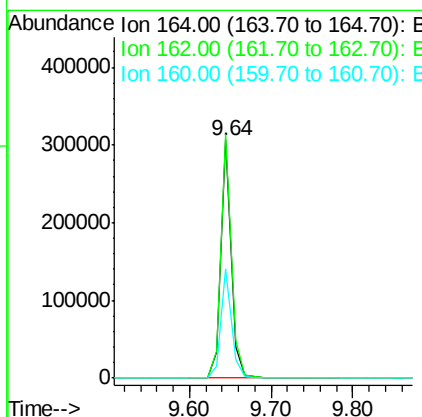
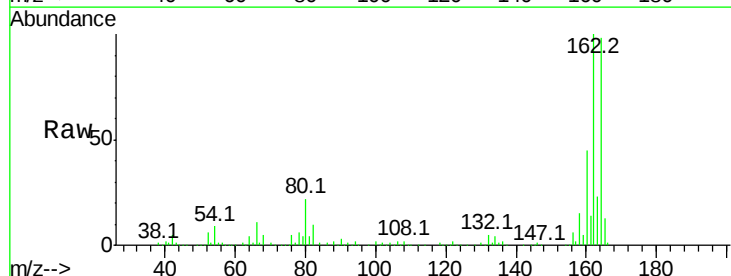
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

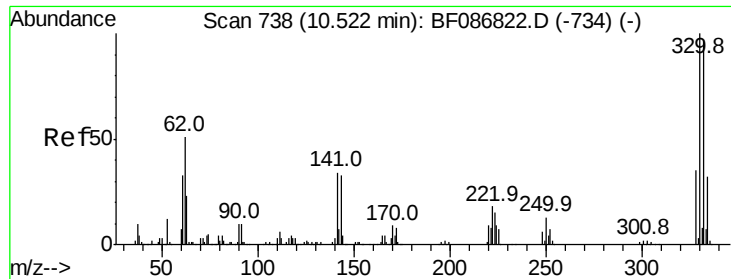
Tot Ion: 82 Resp: 894551
 Ion Ratio Lower Upper
 82 100
 128 39.8 40.6 61.0#
 54 69.6 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Tgt Ion: 164 Resp: 268821
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.8 124.2
 160 45.7 36.9 55.3

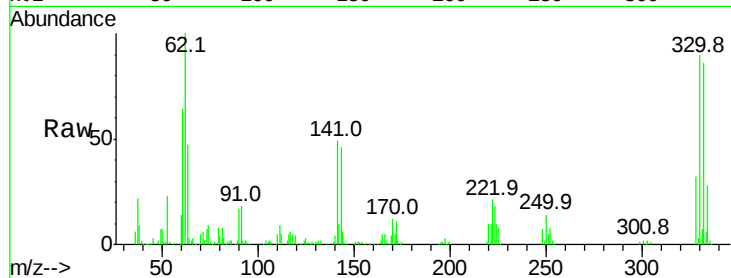




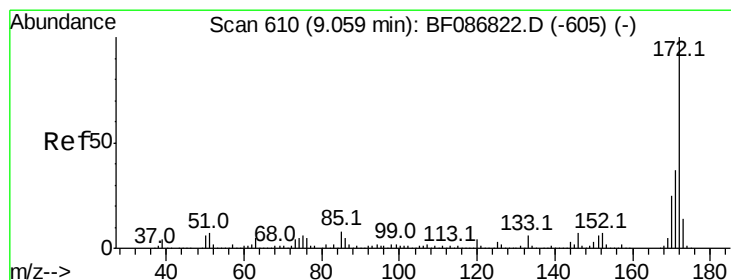
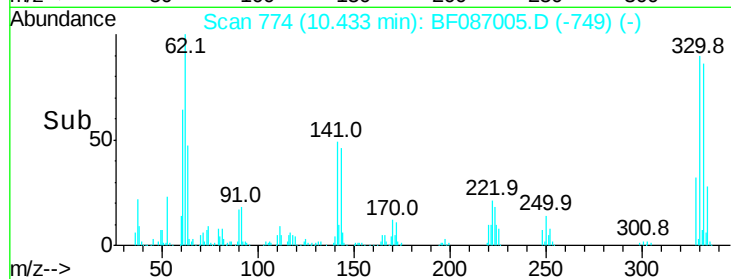
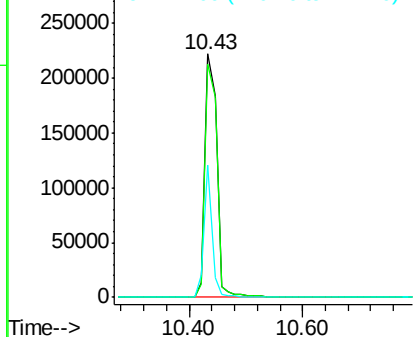
#41
 2,4,6-Tribromophenol
 Concen: 108.57 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.0	118.4
141	37.2	31.2	46.8

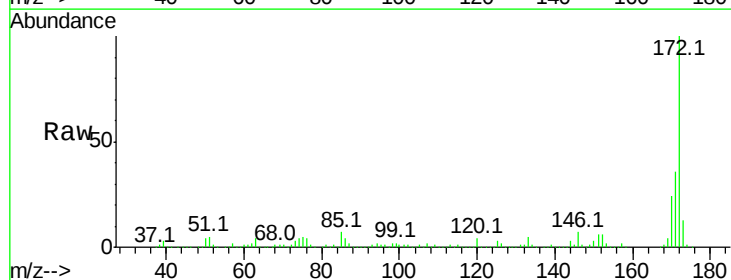


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

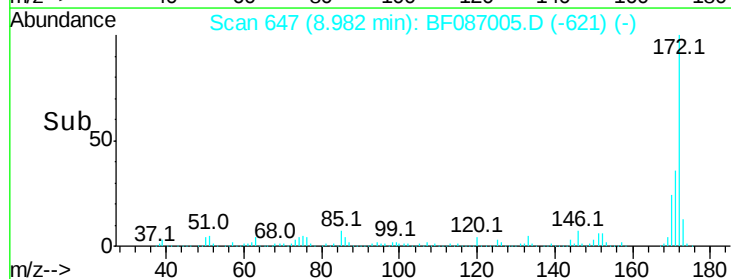
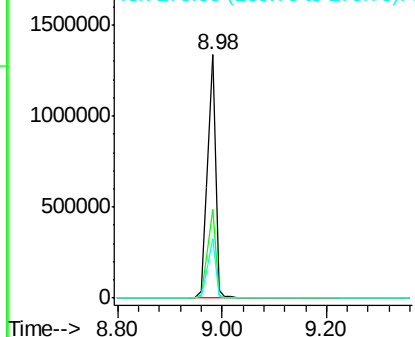


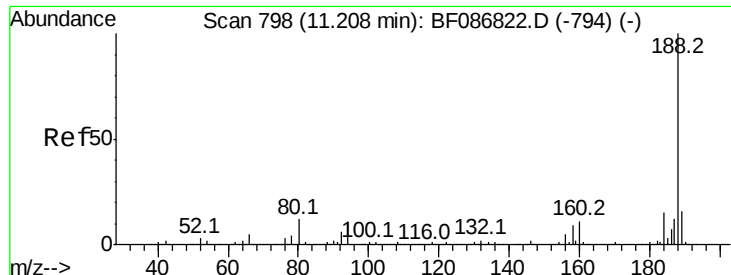
#44
 2-Fluorobiphenyl
 Concen: 89.24 ng
 RT: 8.98 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	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

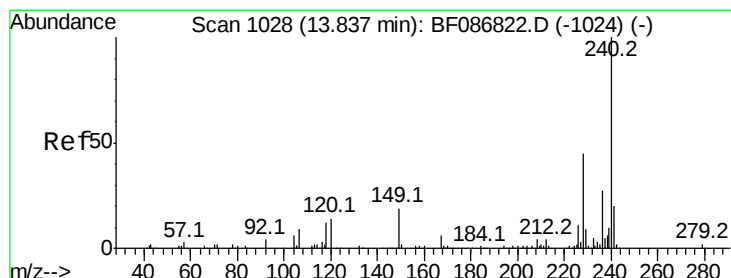
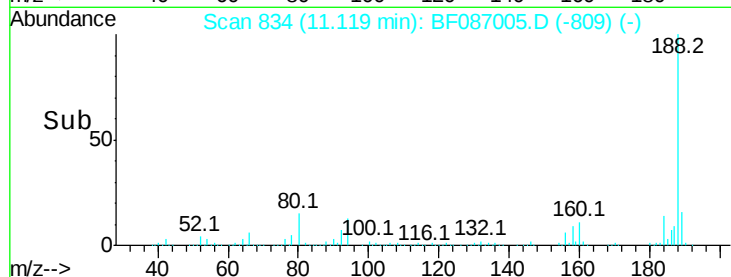
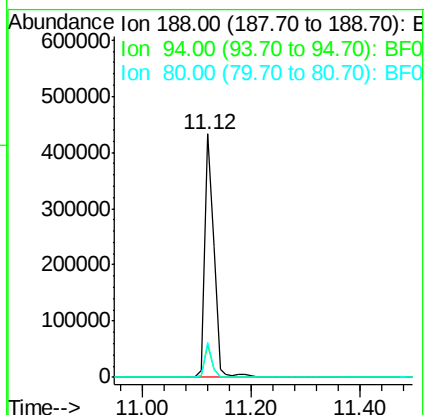
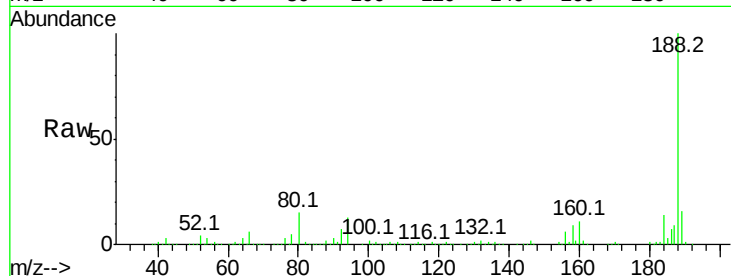




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

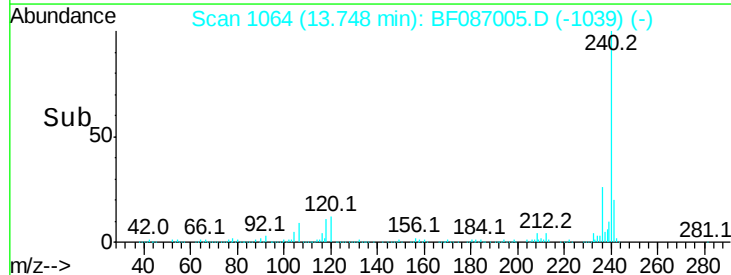
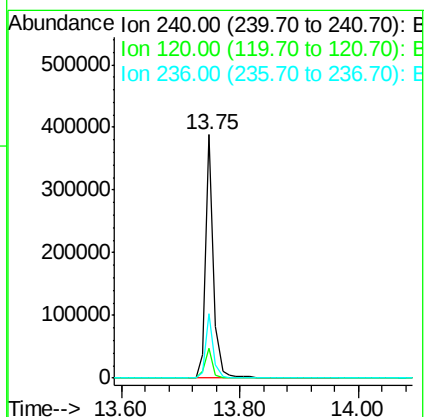
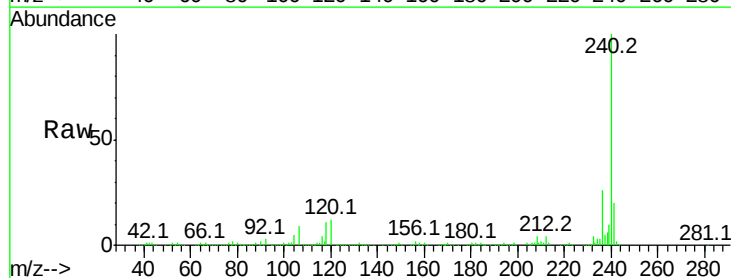
Instrument :
BNA_F
ClientSampleId :
WC-2

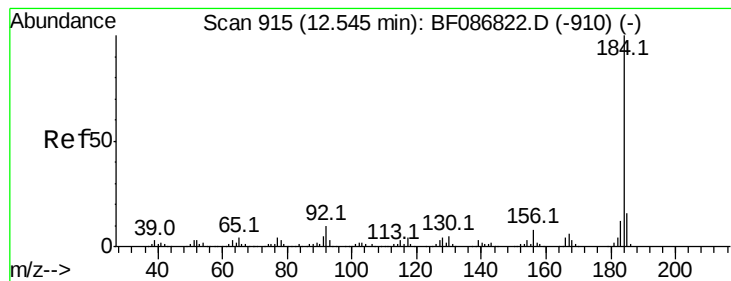
Tot Ion:188 Resp: 494951
Ion Ratio Lower Upper
188 100
94 13.2 6.8 10.2#
80 14.6 7.1 10.7#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF087005.D
Acq: 14 May 2016 8:00

Tgt Ion:240 Resp: 369626
Ion Ratio Lower Upper
240 100
120 12.4 11.2 16.8
236 26.4 21.2 31.8





#76

Benzidine

Concen: 6.28 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

Instrument :

BNA_F

ClientSampleId :

WC-2

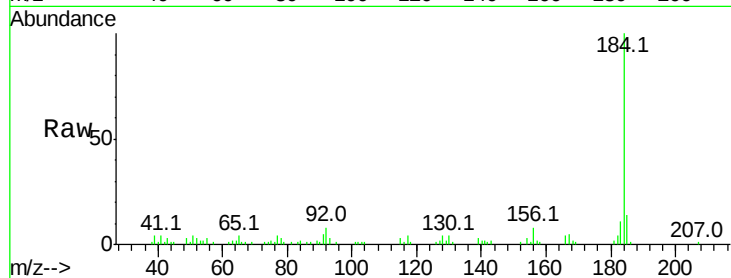
Tot Ion:184 Resp: 59211

Ion Ratio Lower Upper

184 100

185 14.0 13.6 20.4

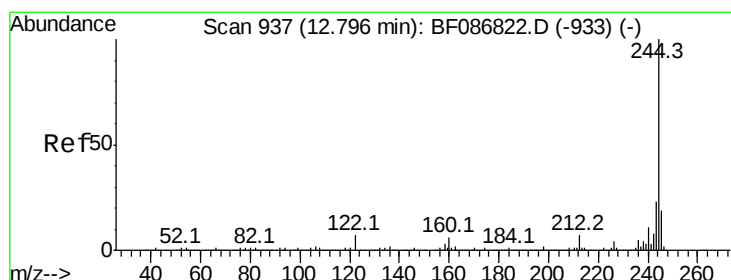
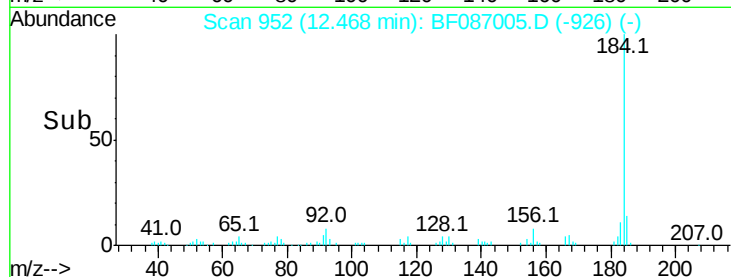
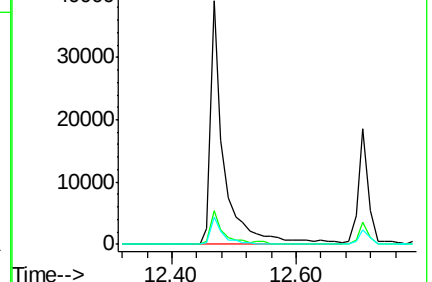
183 11.1 9.8 14.6



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: 74.49 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF087005.D

Acq: 14 May 2016 8:00

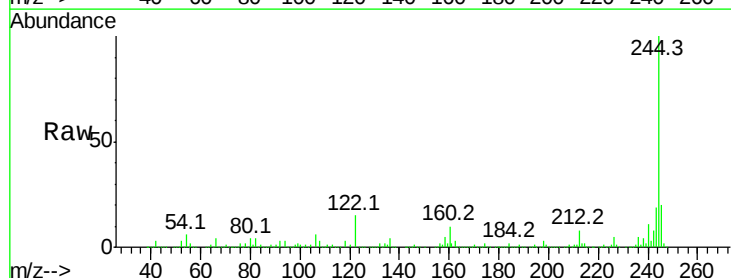
Tgt Ion:244 Resp: 1297736

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

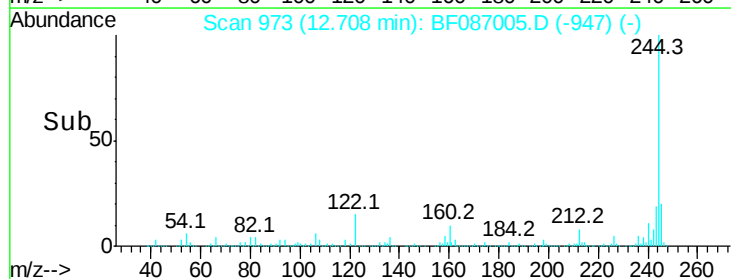
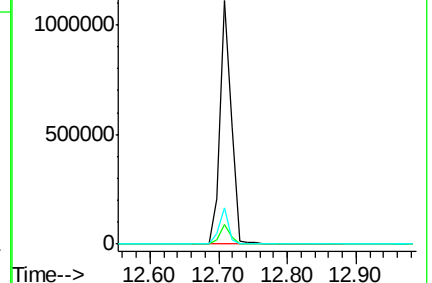
122 14.8 12.0 18.0

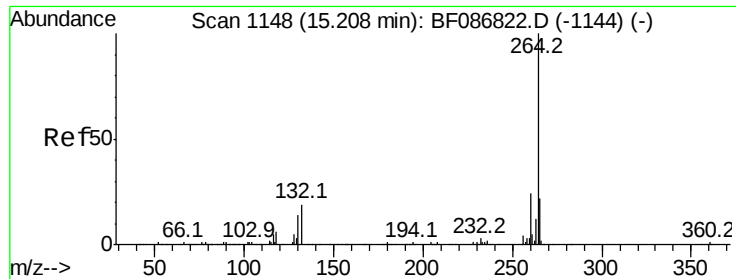


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF087005.D
 Acq: 14 May 2016 8:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.2	17.3	25.9

