

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011716\
 Data File : BF084535.D
 Acq On : 17 Jan 2016 14:49
 Operator : SJ/UM
 Sample : H1143-03 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

Quant Time: Jan 18 02:54:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

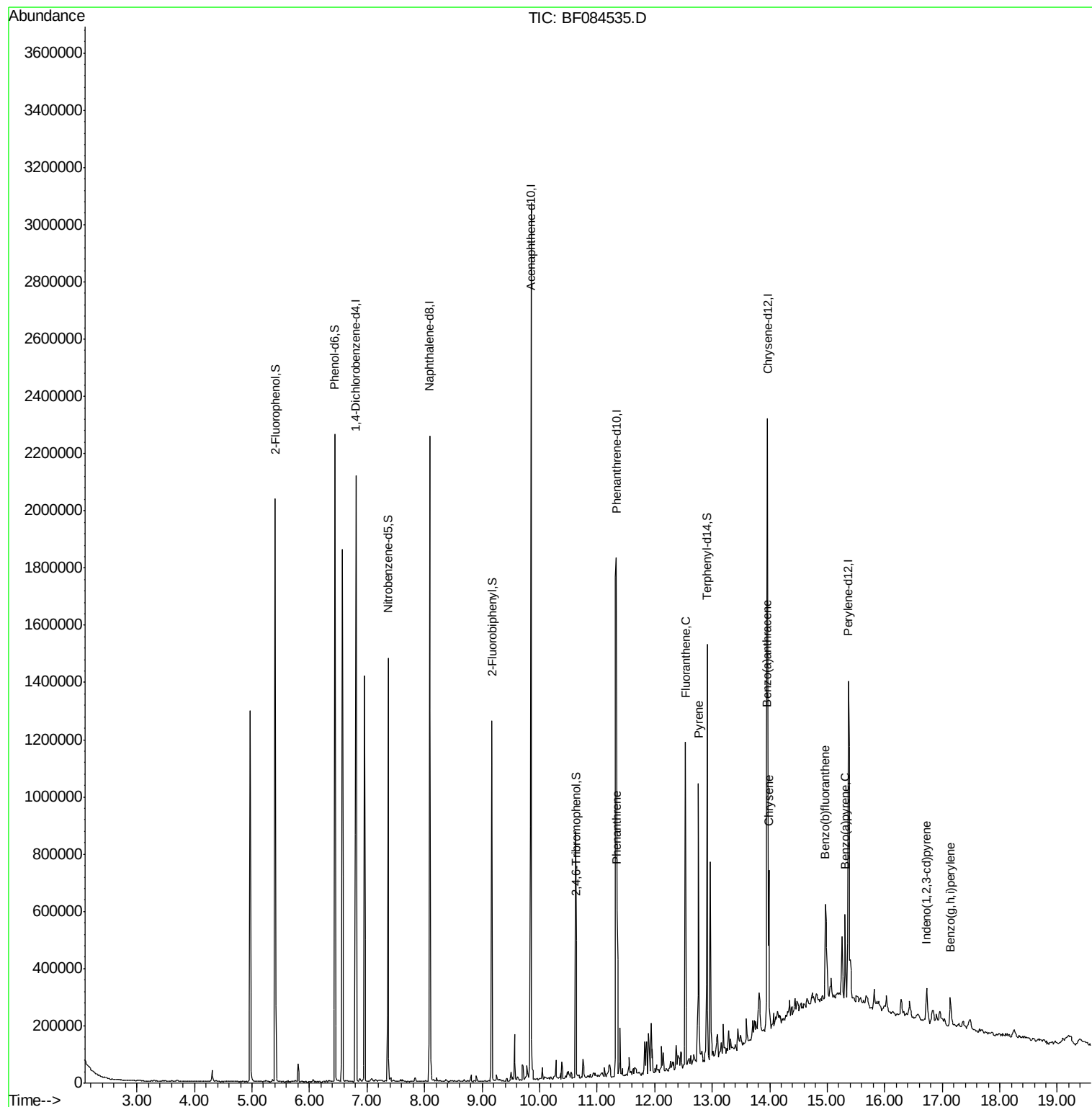
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	339986	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1242965	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	598322	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	988400	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	696503	20.00	ng	-0.03
86) Perylene-d12	15.37	264	593278	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	510263	24.28	ng	-0.03
7) Phenol-d6	6.44	99	668261	25.31	ng	-0.03
23) Nitrobenzene-d5	7.37	82	420466	18.83	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	115384	19.10	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	576988	11.49	ng	-0.02
78) Terphenyl-d14	12.91	244	422299	13.53	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	11.35	178	287792	5.57	ng	98
74) Fluoranthene	12.53	202	419337	7.76	ng	100
77) Pyrene	12.76	202	383967	7.03	ng	97
80) Benzo(a)anthracene	13.95	228	161371m	3.95	ng	
82) Chrysene	13.99	228	169257m	4.31	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	87599	2.81	ng	96
87) Benzo(b)fluoranthene	14.97	252	208878m	5.38	ng	
89) Benzo(a)pyrene	15.31	252	132933	4.04	ng	# 95
91) Benzo(g,h,i)perylene	17.14	276	81708	2.79	ng	96

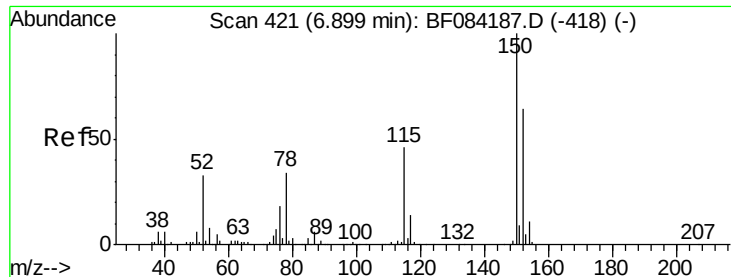
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 18 02:54:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF084535.D

Acq: 17 Jan 2016 14:49

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

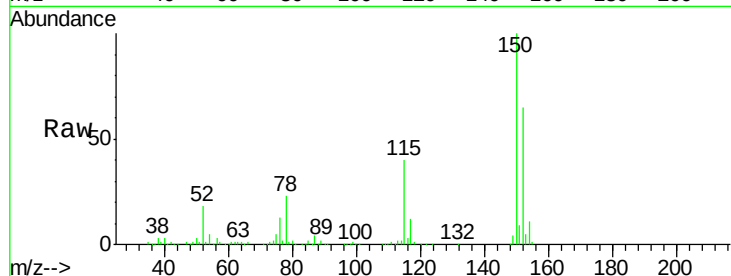
Tot Ion:152 Resp: 339986

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

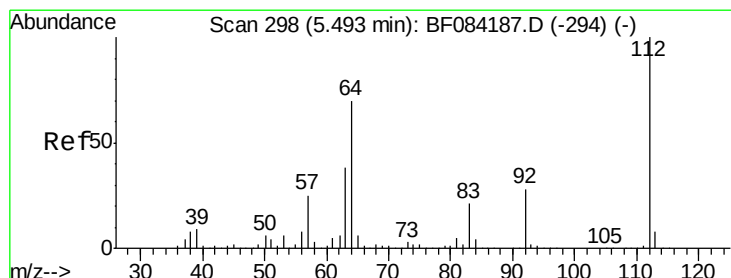
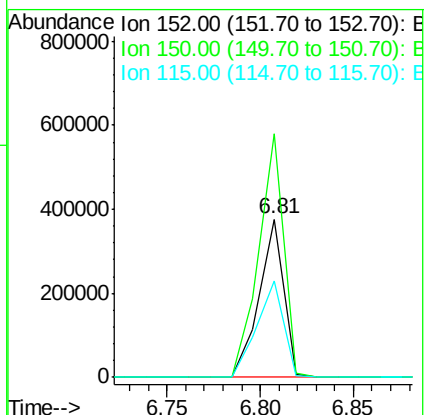
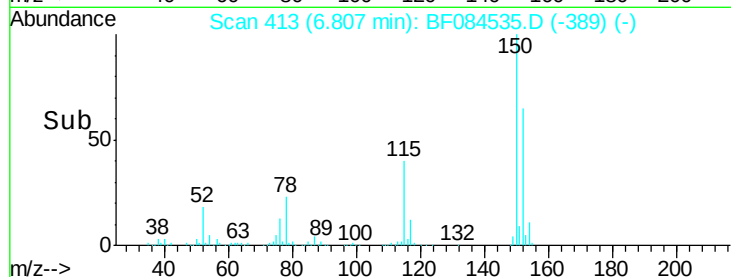
115 61.4 51.4 77.2



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: 24.28 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084535.D

Acq: 17 Jan 2016 14:49

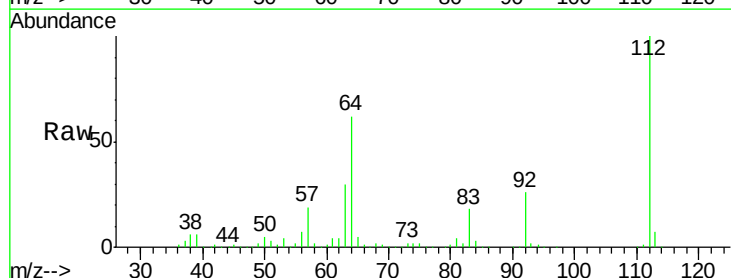
Tgt Ion:112 Resp: 510263

Ion Ratio Lower Upper

112 100

64 61.5 36.6 55.0#

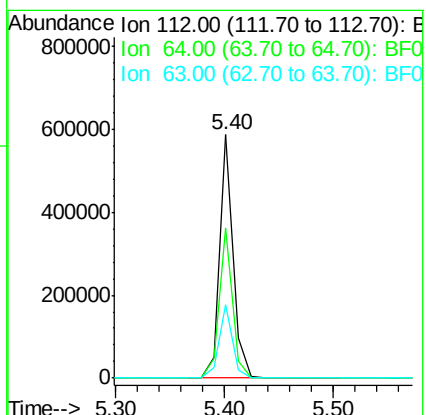
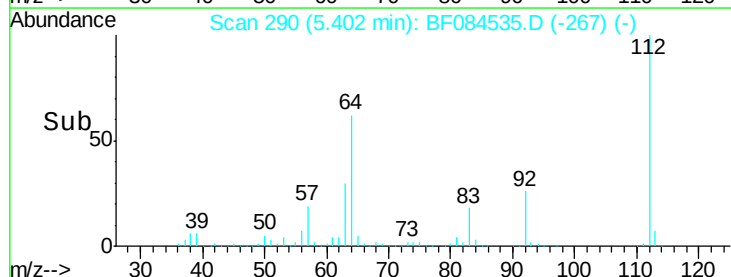
63 30.3 19.4 29.0#

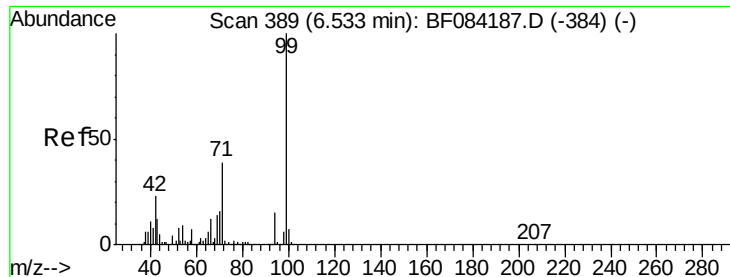


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.31 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084535.D

Acq: 17 Jan 2016 14:49

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

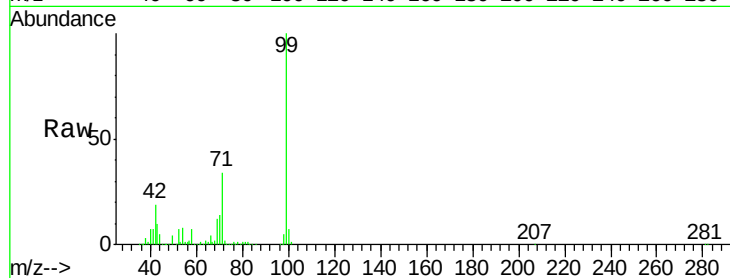
Tot Ion: 99 Resp: 668261

Ion Ratio Lower Upper

99 100

42 19.5 12.8 19.2#

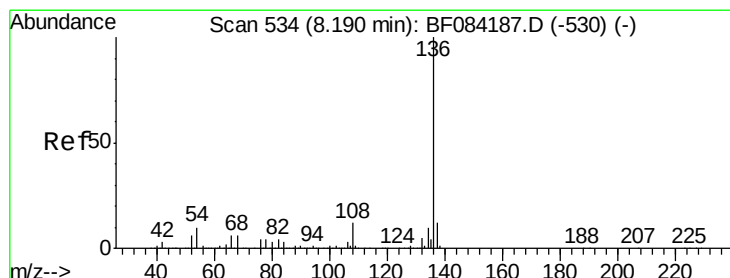
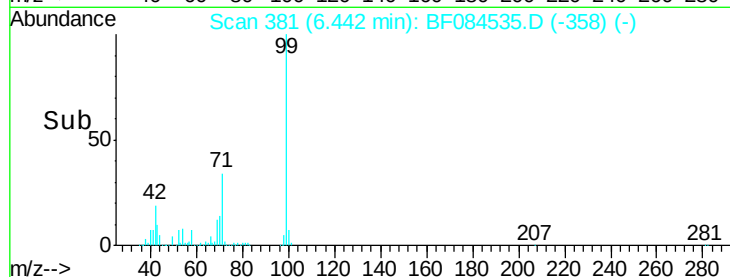
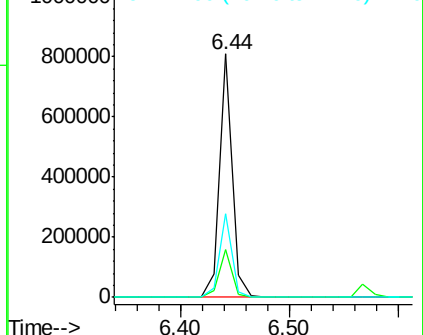
71 34.3 30.9 46.3



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: 8.09 min Scan# 525

Delta R.T. -0.03 min

Lab File: BF084535.D

Acq: 17 Jan 2016 14:49

Tgt Ion: 136 Resp: 1242965

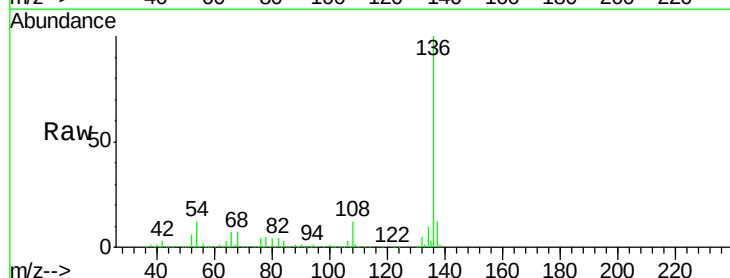
Ion Ratio Lower Upper

136 100

137 11.8 8.7 13.1

54 11.7 5.8 8.8#

68 6.8 4.2 6.2#

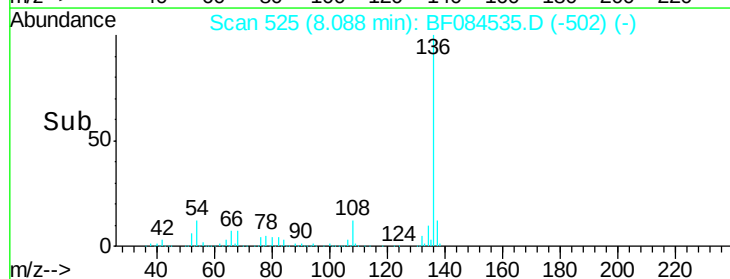
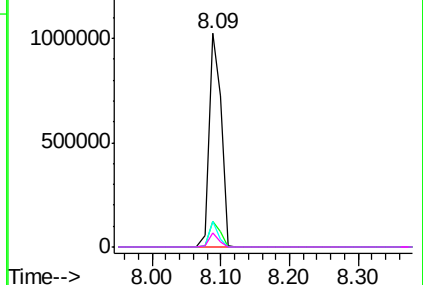


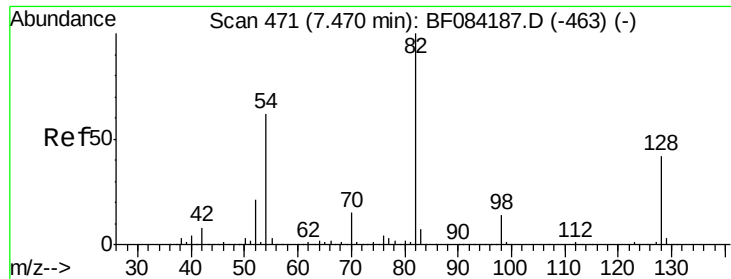
Abundance Ion 136.00 (135.70 to 136.70): E

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

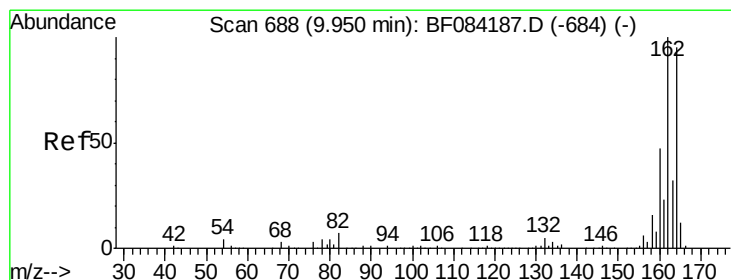
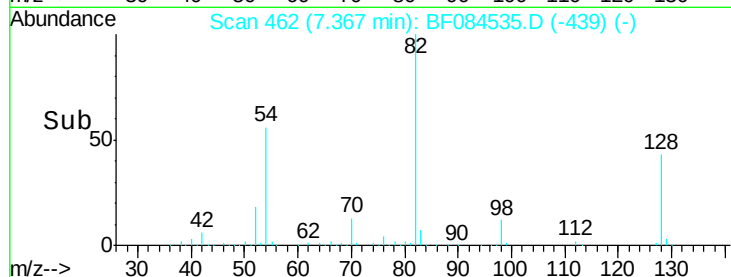
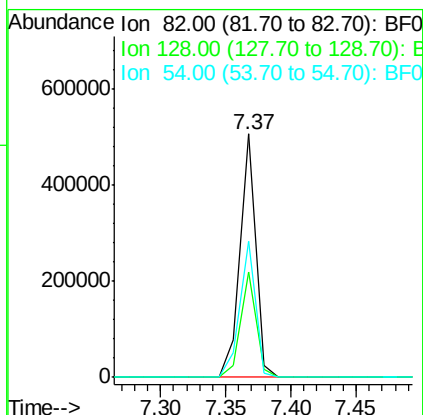
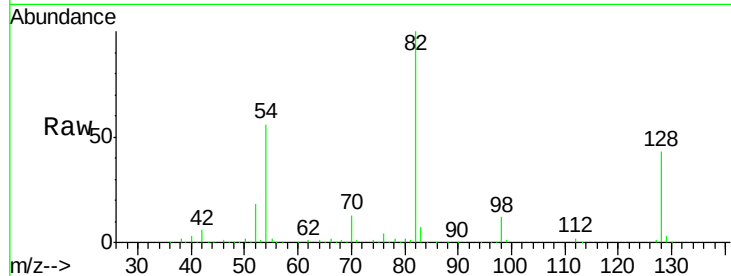




#23
 Nitrobenzene-d5
 Concen: 18.83 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: BF084535.D
 Acq: 17 Jan 2016 14:49

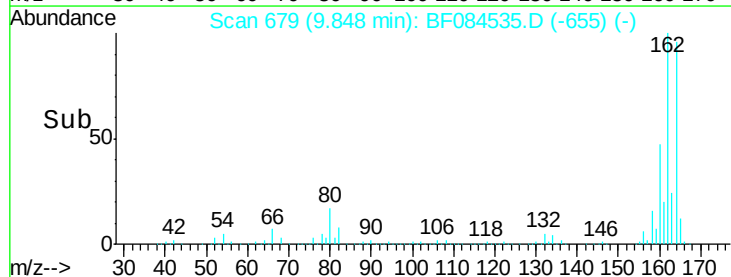
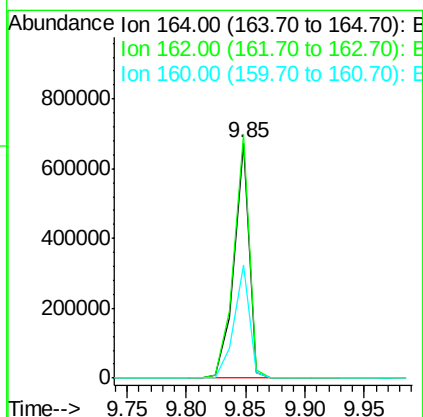
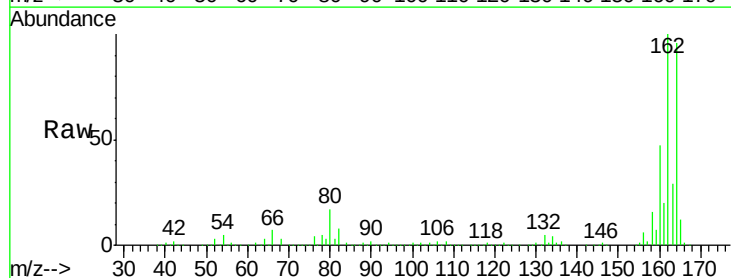
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

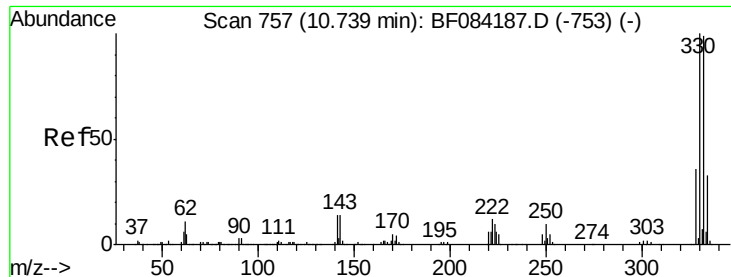
Tot Ion: 82 Resp: 420466
 Ion Ratio Lower Upper
 82 100
 128 43.4 34.6 51.8
 54 55.9 38.4 57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: BF084535.D
 Acq: 17 Jan 2016 14:49

Tgt Ion:164 Resp: 598322
 Ion Ratio Lower Upper
 164 100
 162 103.7 85.1 127.7
 160 48.3 37.5 56.3

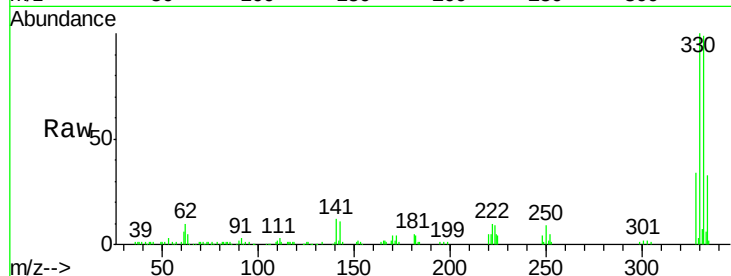




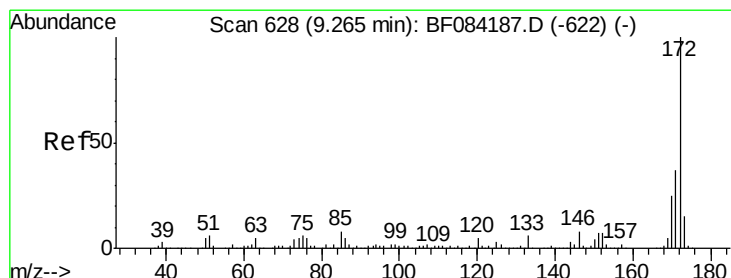
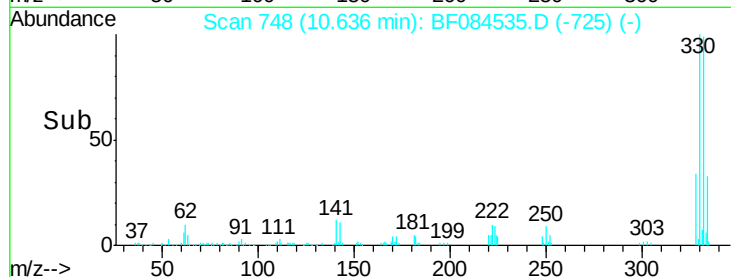
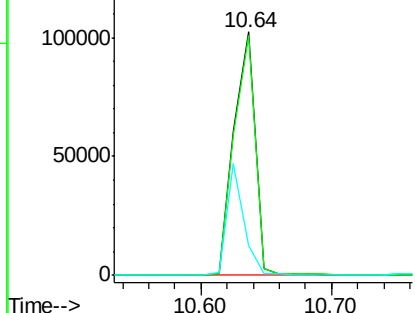
#41
 2,4,6-Tribromophenol
 Concen: 19.10 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.03 min
 Lab File: BF084535.D
 Acq: 17 Jan 2016 14:49

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

Tot Ion:330 Resp: 115384
 Ion Ratio Lower Upper
 330 100
 332 99.1 76.6 114.8
 141 37.3 27.8 41.6

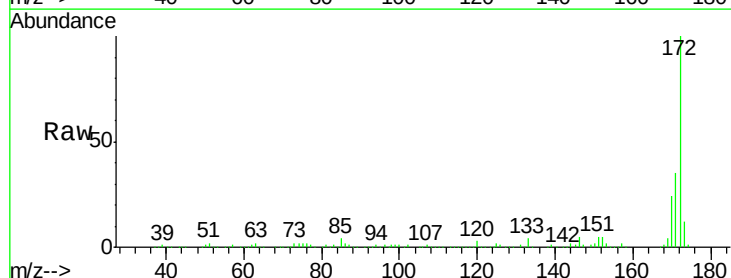


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

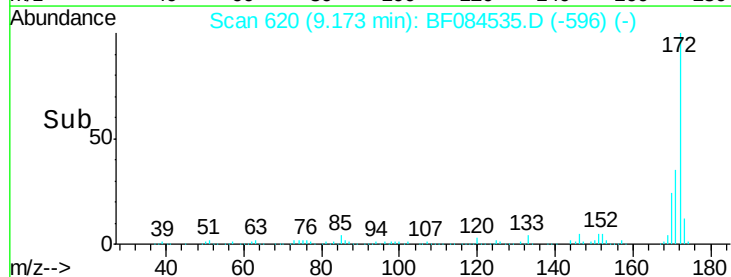
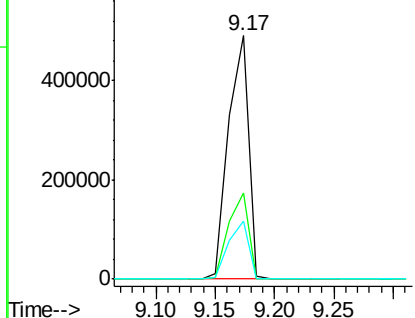


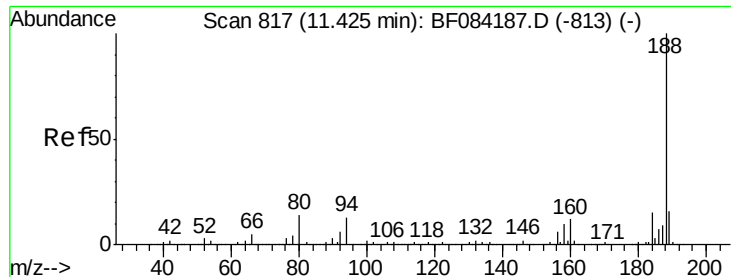
#44
 2-Fluorobiphenyl
 Concen: 11.49 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF084535.D
 Acq: 17 Jan 2016 14:49

Tgt Ion:172 Resp: 576988
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.9 43.3
 170 23.7 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

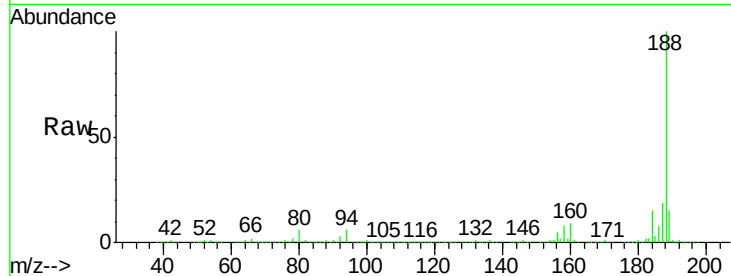




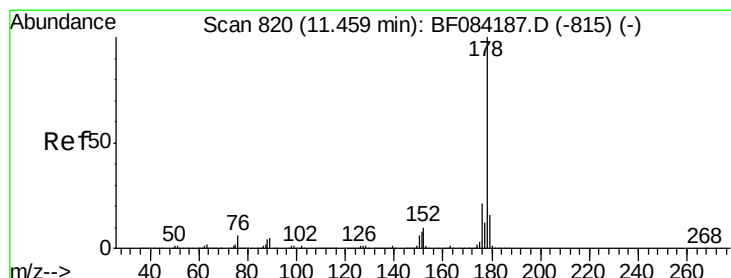
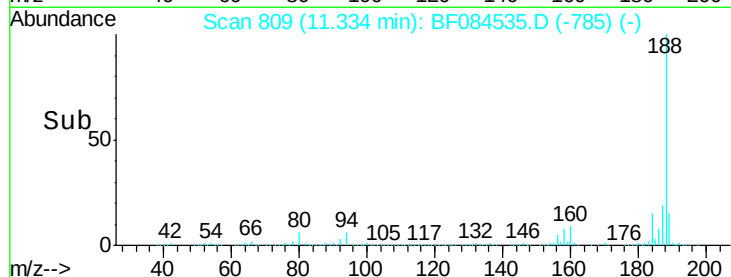
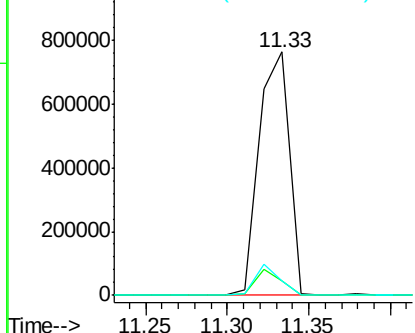
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF084535.D
Acq: 17 Jan 2016 14:49

Instrument :
BNA_F
ClientSampleId :
POST-EX-8-20160114

Tot Ion:188 Resp: 988400
Ion Ratio Lower Upper
188 100
94 6.2 9.0 13.4#
80 5.9 9.6 14.4#

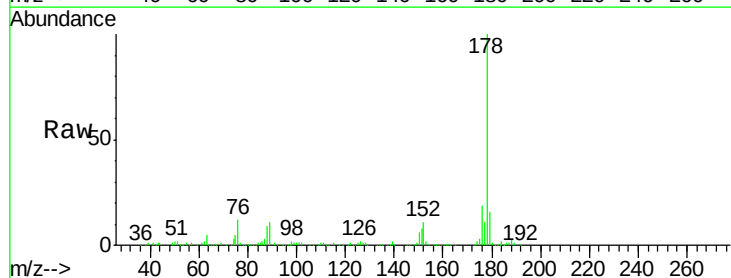


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

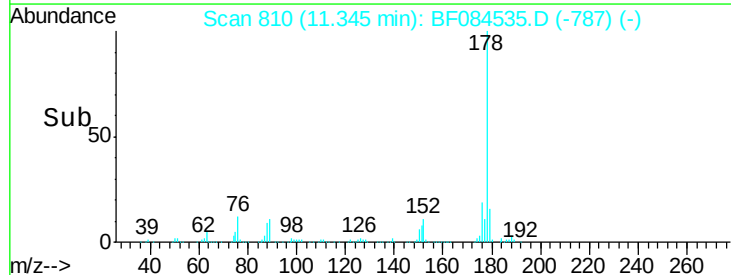
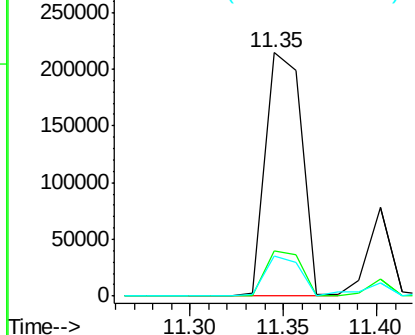


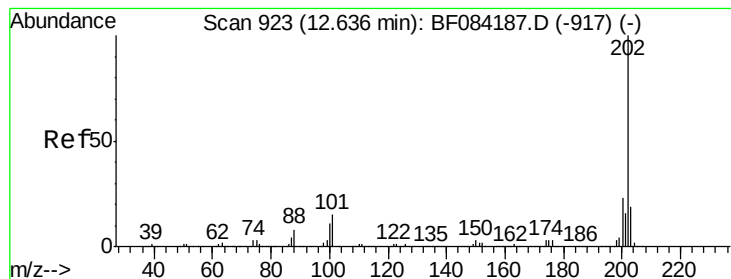
#70
Phenanthrene
Concen: 5.57 ng
RT: 11.35 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF084535.D
Acq: 17 Jan 2016 14:49

Tgt Ion:178 Resp: 287792
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 16.5 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: 7.76 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF084535.D

Acq: 17 Jan 2016 14:49

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

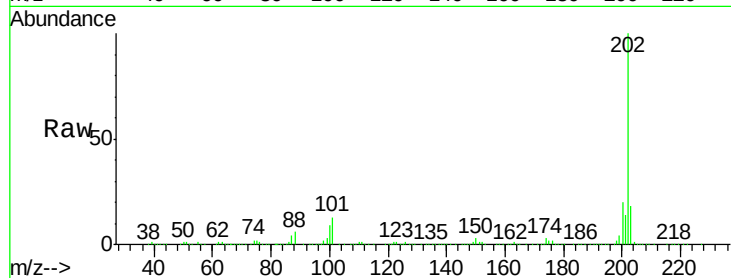
Tot Ion:202 Resp: 419337

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.8

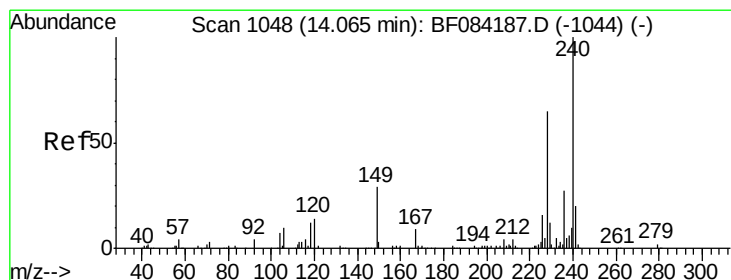
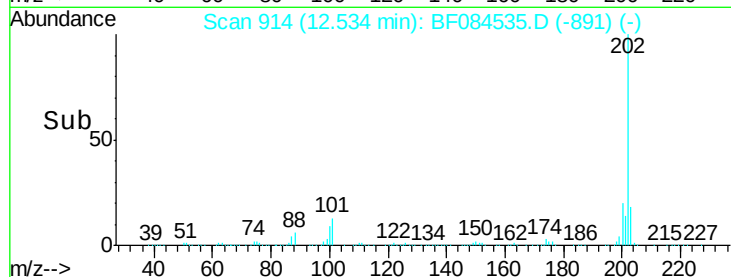
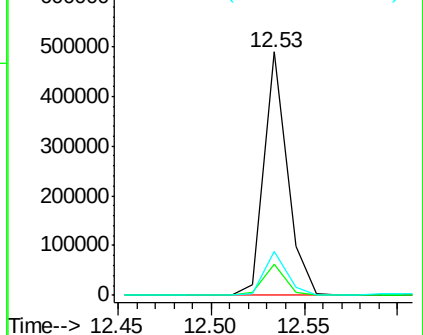
203 18.0 0.0 37.9



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: 13.96 min Scan# 1039

Delta R.T. -0.03 min

Lab File: BF084535.D

Acq: 17 Jan 2016 14:49

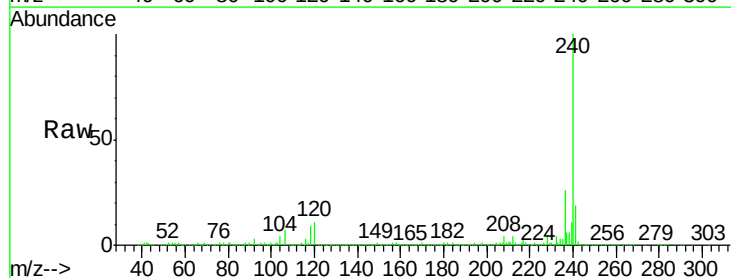
Tgt Ion:240 Resp: 696503

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

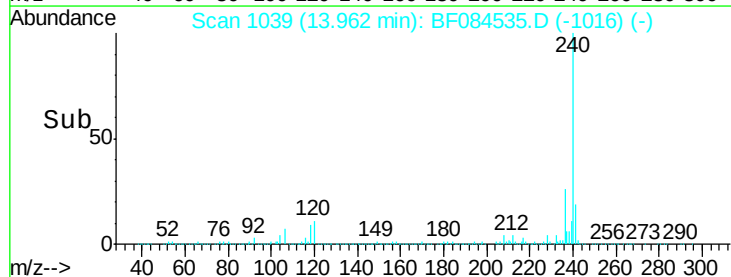
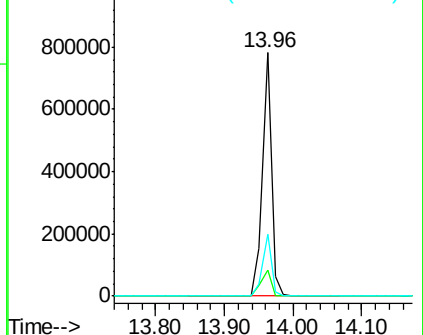
236 25.6 20.6 31.0

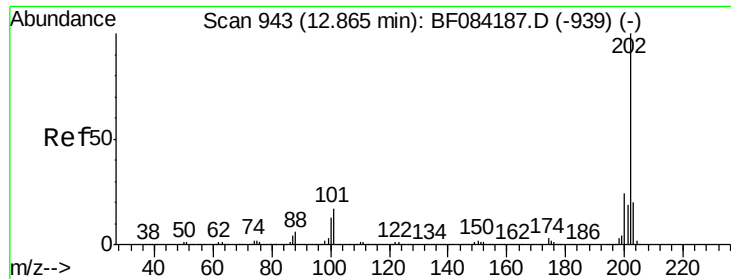


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

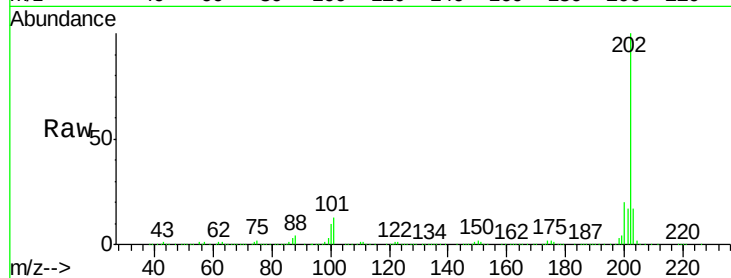




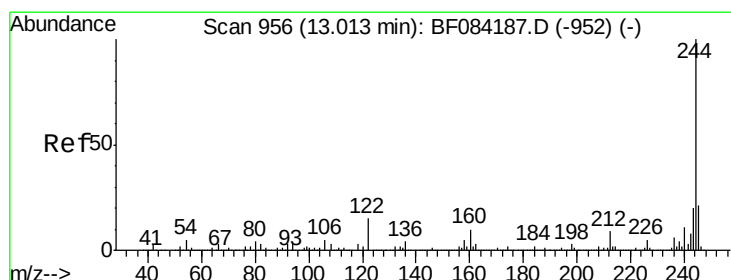
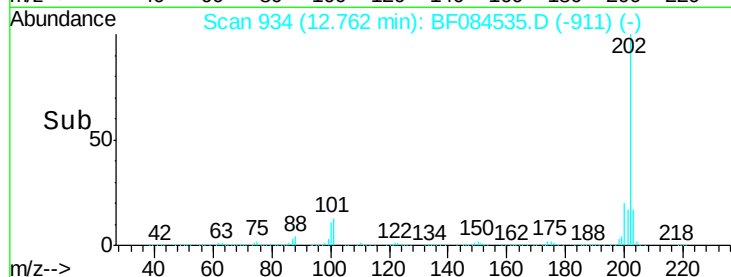
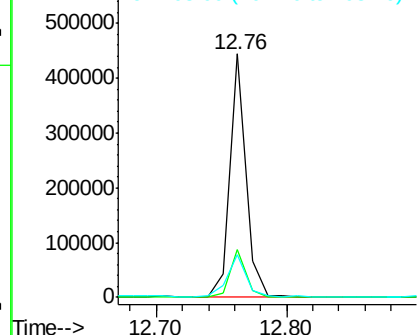
#77
Pvrene
Concen: 7.03 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.03 min
Lab File: BF084535.D
Acq: 17 Jan 2016 14:49

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POST-EX-8-20160114

Tot Ion:202 Resp: 383967
Ion Ratio Lower Upper
202 100
200 19.7 17.2 25.8
203 17.3 14.3 21.5

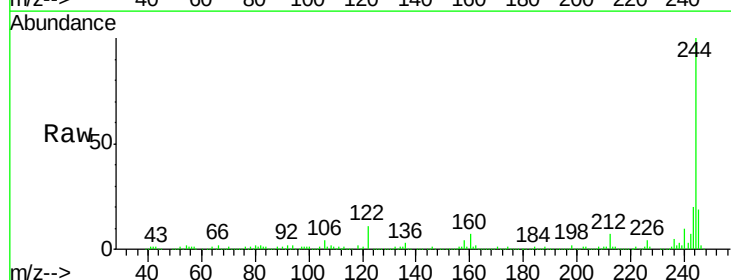


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

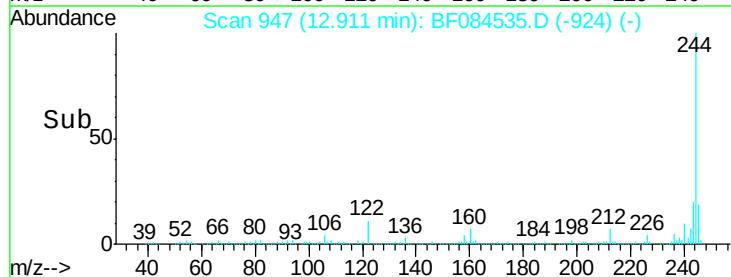
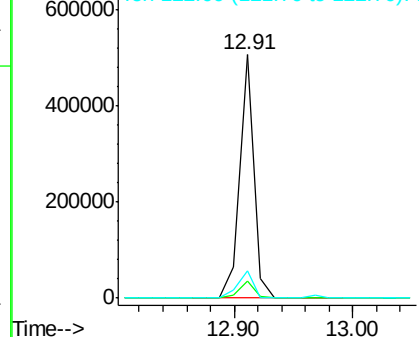


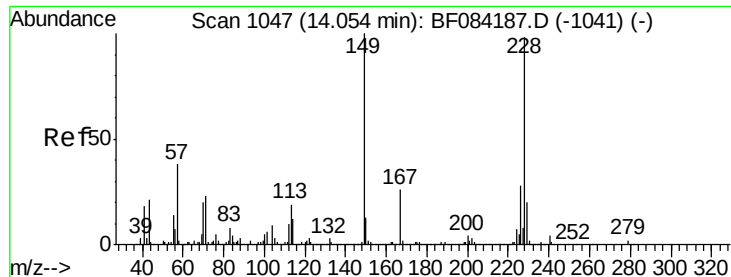
#78
Terphenyl-d14
Concen: 13.53 ng
RT: 12.91 min Scan# 947
Delta R.T. -0.03 min
Lab File: BF084535.D
Acq: 17 Jan 2016 14:49

Tgt Ion:244 Resp: 422299
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 11.3 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





#80

Benzo(a)anthracene

Concen: 3.95 ng m

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF084535.D

Acq: 17 Jan 2016 14:49

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

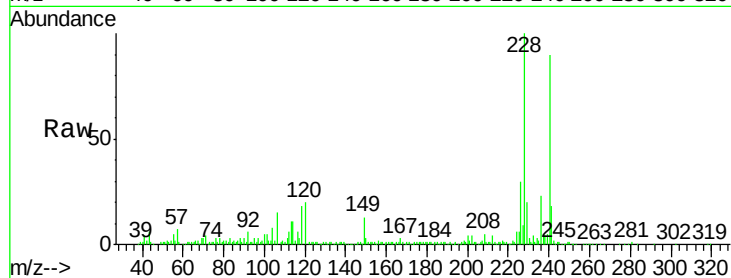
Tot Ion:228 Resp: 161371

Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.6

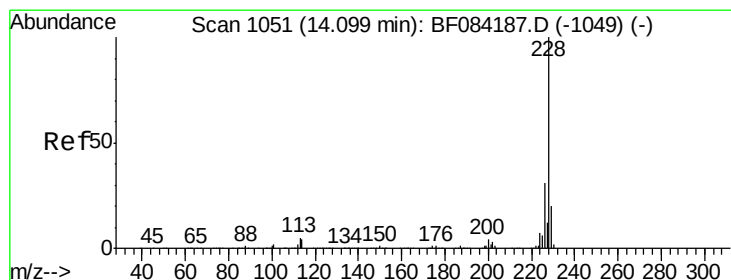
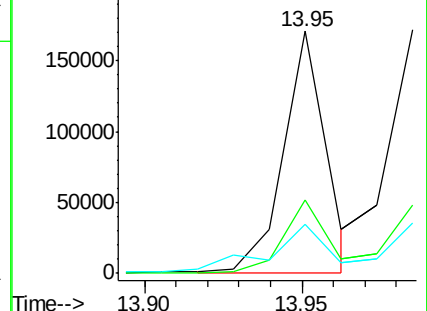
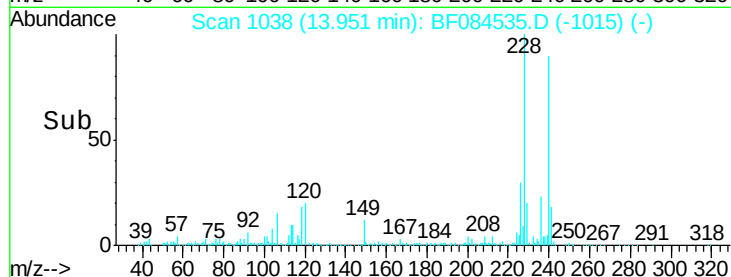
229 20.5 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.31 ng m

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF084535.D

Acq: 17 Jan 2016 14:49

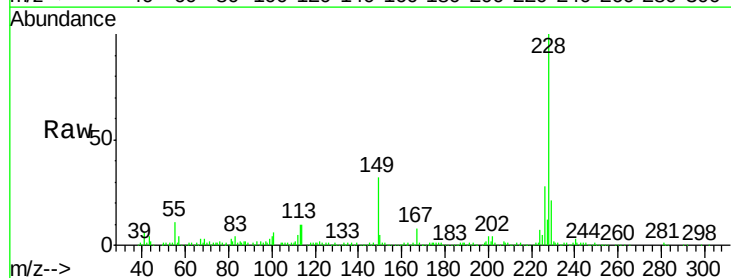
Tgt Ion:228 Resp: 169257

Ion Ratio Lower Upper

228 100

226 28.1 24.3 36.5

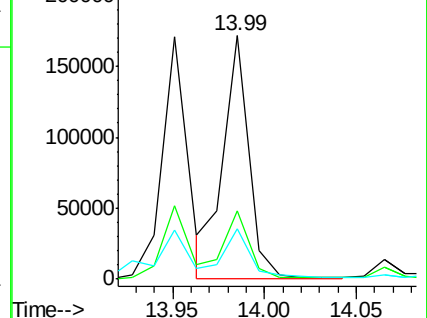
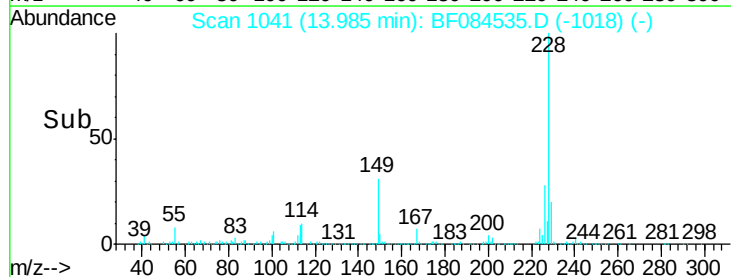
229 20.7 16.1 24.1

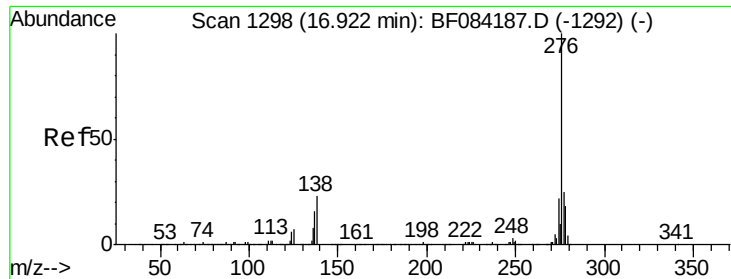


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

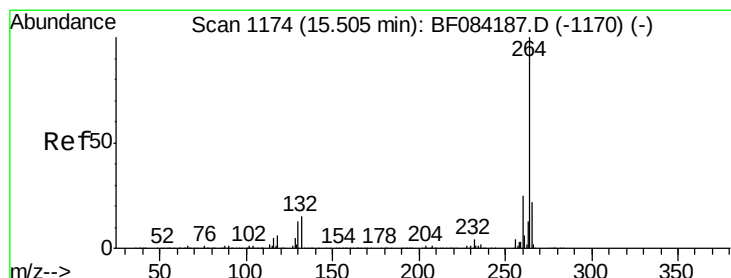
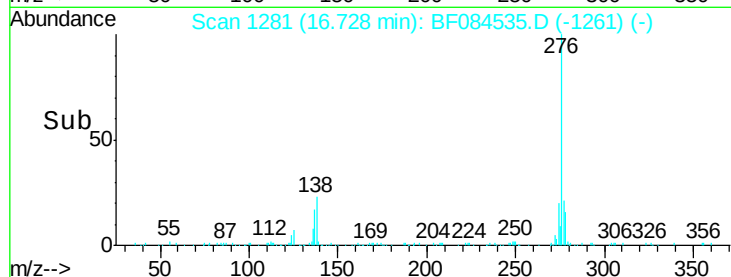
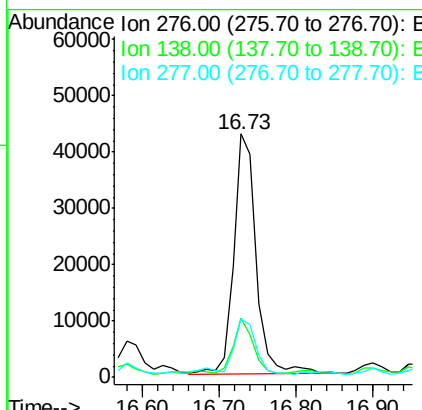
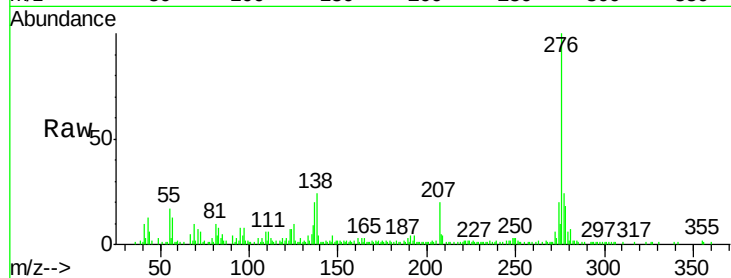




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.81 ng
 RT: 16.73 min Scan# 1281
 Delta R.T. -0.07 min
 Lab File: BF084535.D
 Acq: 17 Jan 2016 14:49

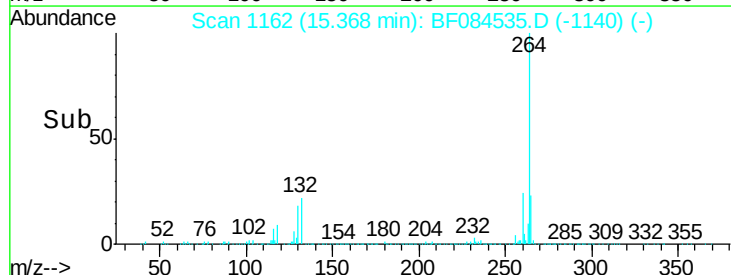
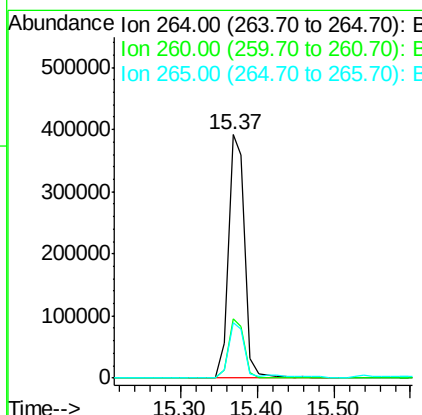
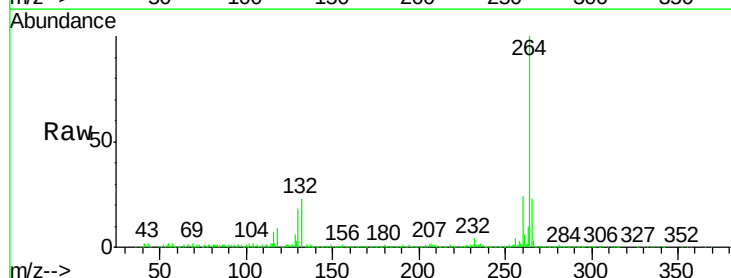
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

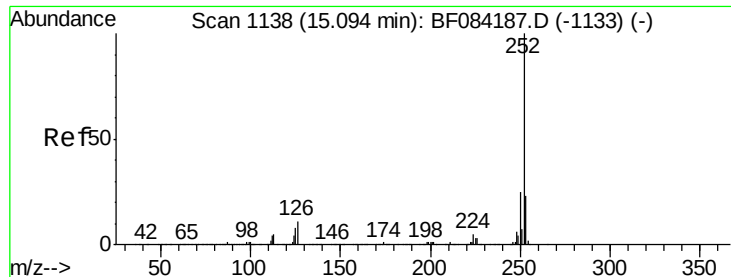
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.6	30.8
277	25.6	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF084535.D
 Acq: 17 Jan 2016 14:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	22.9	17.8	26.6

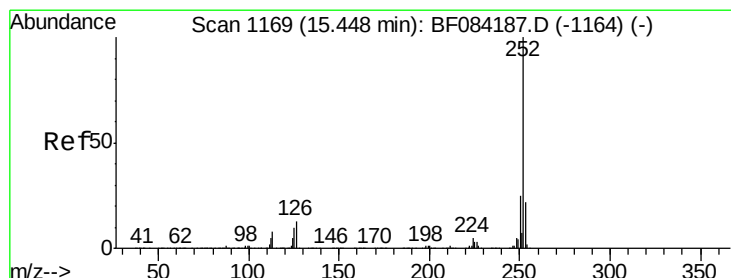
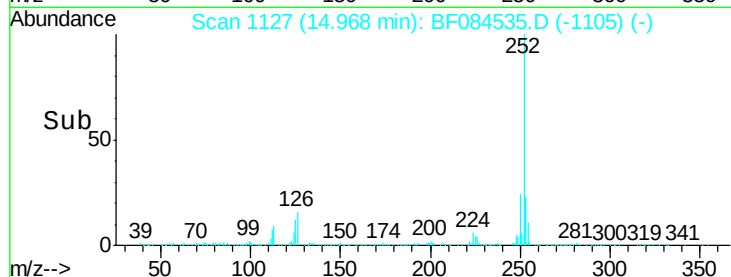
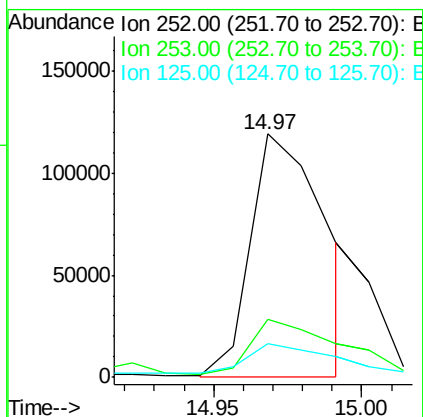
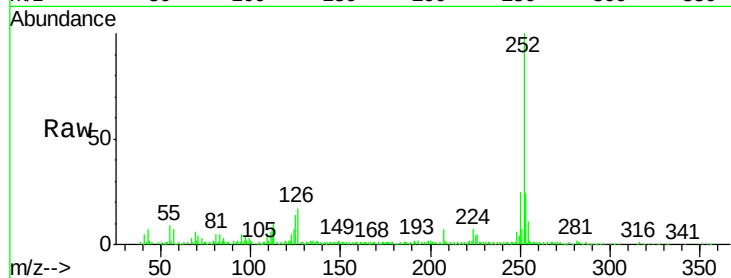




#87
Benzo(b)fluoranthene
Concen: 5.38 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF084535.D
Acq: 17 Jan 2016 14:49

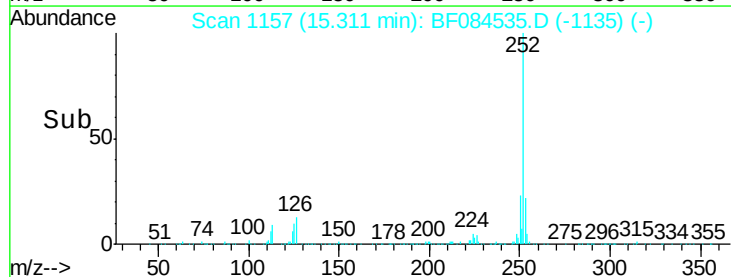
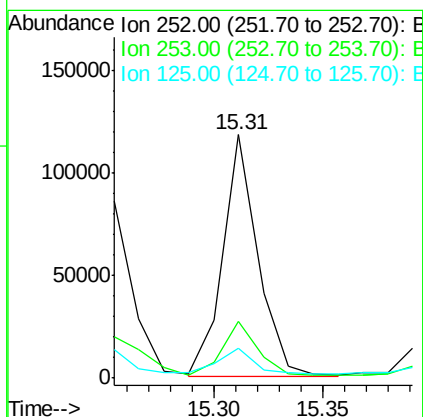
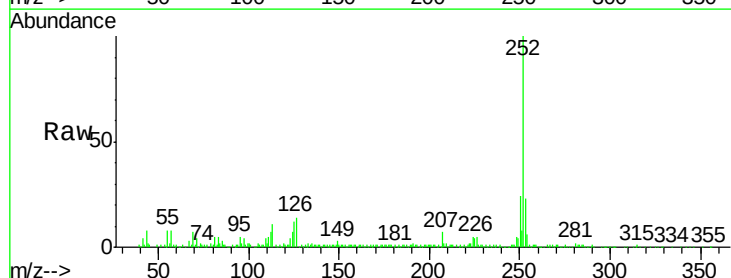
Instrument :
BNA_F
ClientSampleId :
POST-EX-8-20160114

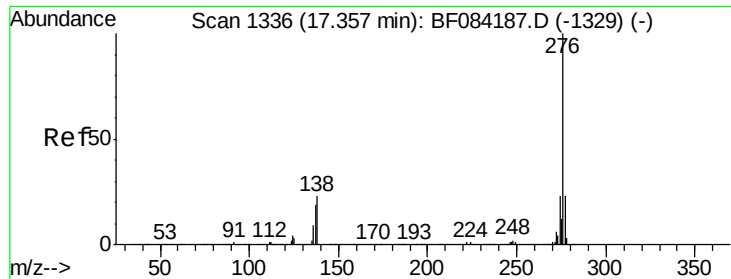
Tot Ion:252 Resp: 208878
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 13.8 6.5 9.7#



#89
Benzo(a)pyrene
Concen: 4.04 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF084535.D
Acq: 17 Jan 2016 14:49

Tgt Ion:252 Resp: 132933
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 12.1 7.0 10.4#

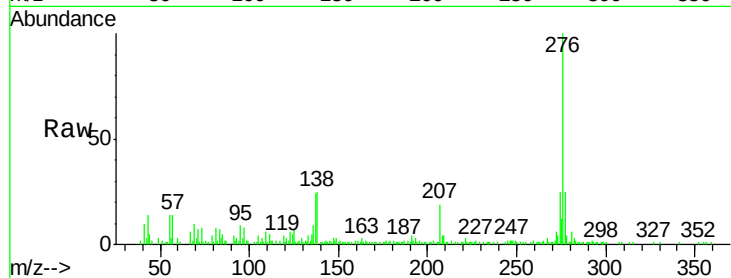




#91
 Benzo(a,h,i)perylene
 Concen: 2.79 ng
 RT: 17.14 min Scan# 1317
 Delta R.T. -0.08 min
 Lab File: BF084535.D
 Acq: 17 Jan 2016 14:49

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

Tot Ion: 276 Resp: 81708
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.8 28.2
 138 25.0 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

