

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011716\
 Data File : BF084533.D
 Acq On : 17 Jan 2016 13:53
 Operator : SJ/UM
 Sample : H1143-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

Quant Time: Jan 18 02:46:04 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

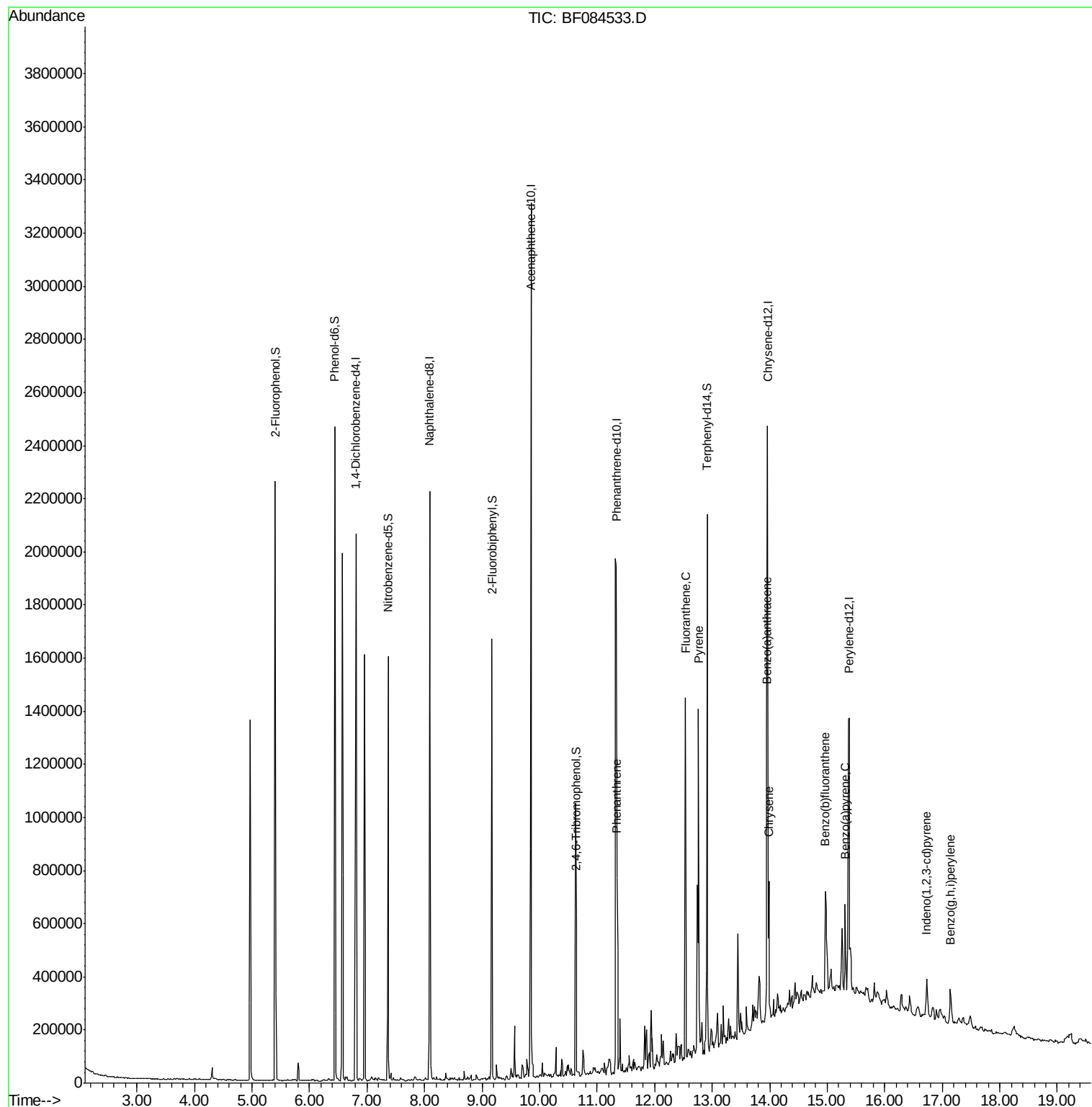
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	336986	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1275021	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	632203	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	1065858	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	719602	20.00	ng	-0.03
86) Perylene-d12	15.38	264	613442	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	564690	27.10	ng	-0.03
7) Phenol-d6	6.44	99	710445	27.15	ng	-0.03
23) Nitrobenzene-d5	7.37	82	447251	19.52	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	142041	22.25	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	718706	14.77	ng	-0.02
78) Terphenyl-d14	12.91	244	577401	17.91	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	11.34	178	350882	6.29	ng	98
74) Fluoranthene	12.53	202	537904	9.24	ng	100
77) Pyrene	12.76	202	499948	8.85	ng	98
80) Benzo(a)anthracene	13.95	228	200742m	4.75	ng	
82) Chrysene	13.99	228	209026m	5.15	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	99067	3.08	ng	95
87) Benzo(b)fluoranthene	14.97	252	245686m	6.12	ng	
89) Benzo(a)pyrene	15.31	252	155784	4.58	ng	# 93
91) Benzo(g,h,i)perylene	17.14	276	106223	3.50	ng	97

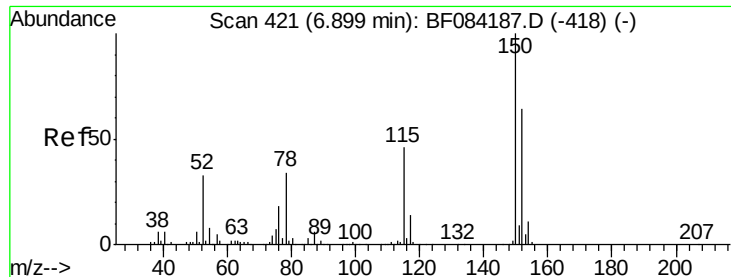
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 18 02:46:04 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: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

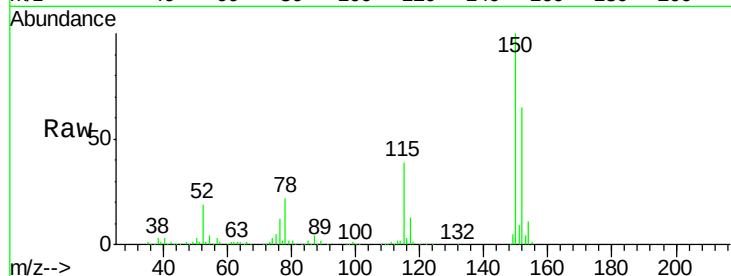
Tot Ion:152 Resp: 336986

Ion Ratio Lower Upper

152 100

150 153.4 123.0 184.4

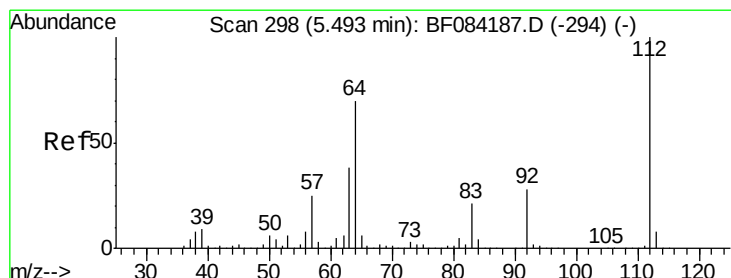
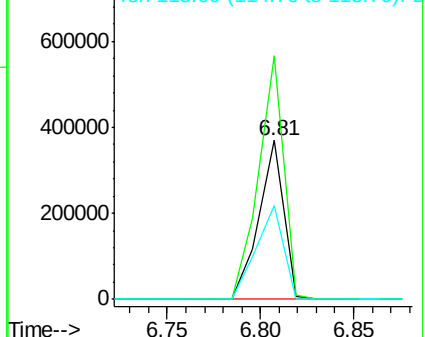
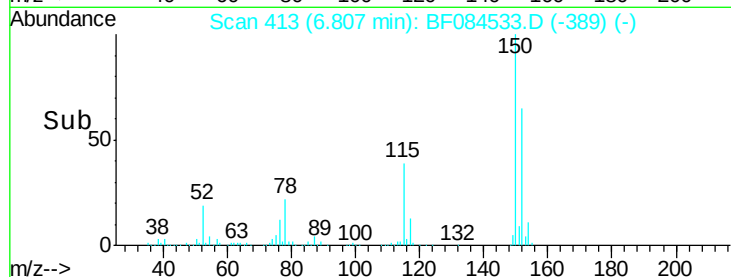
115 59.3 51.4 77.2



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: 27.10 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

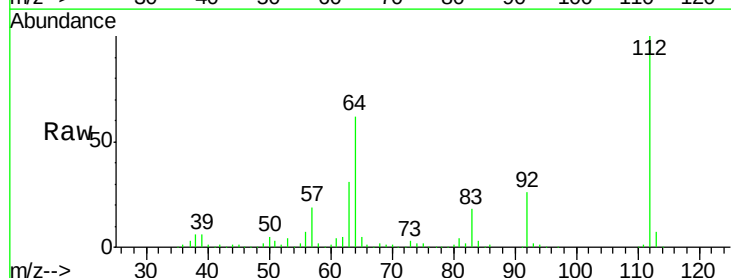
Tgt Ion:112 Resp: 564690

Ion Ratio Lower Upper

112 100

64 61.9 36.6 55.0#

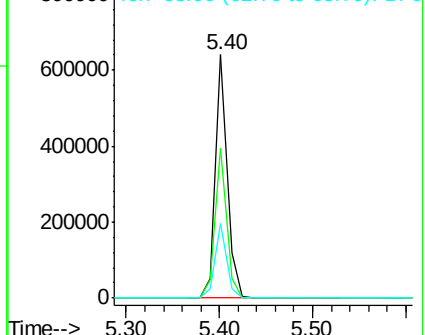
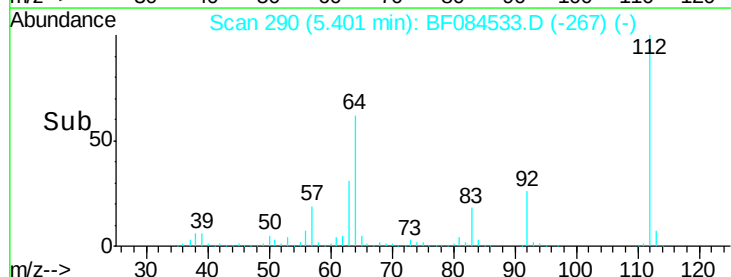
63 30.8 19.4 29.0#

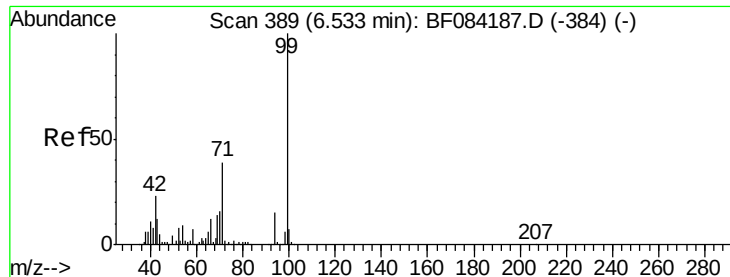


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.15 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

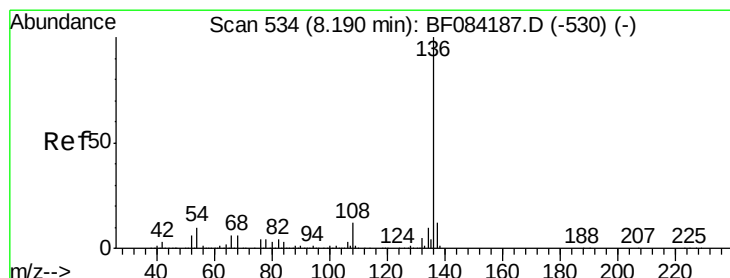
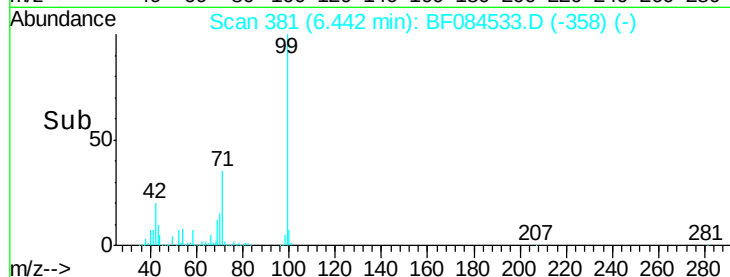
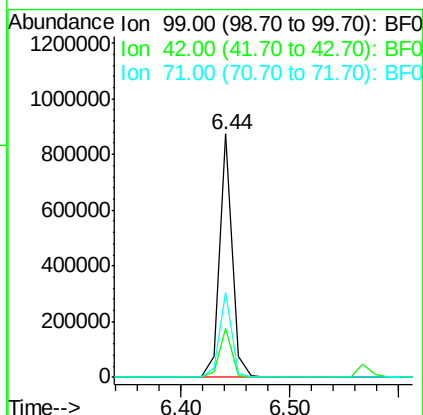
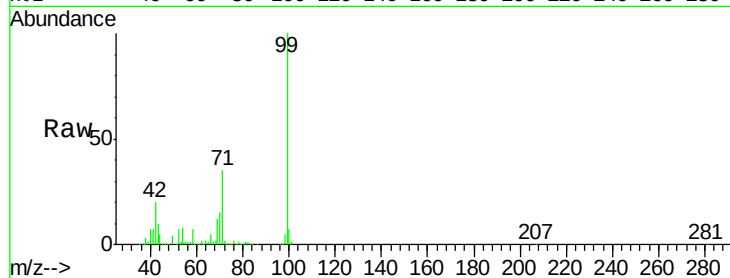
BNA_F

ClientSampleId :

POST-EX-6-20160113

Tot Ion: 99 Resp: 710445

Ion	Ratio	Lower	Upper
99	100		
42	19.9	12.8	19.2#
71	35.0	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

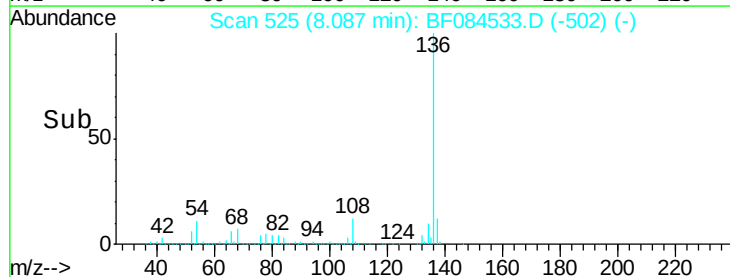
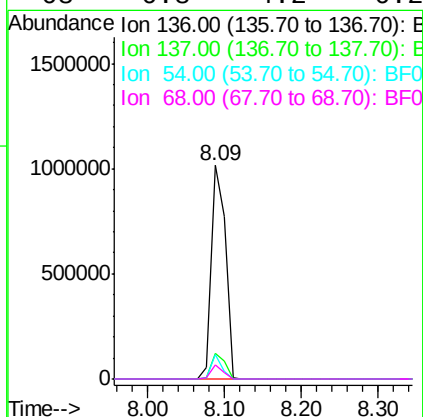
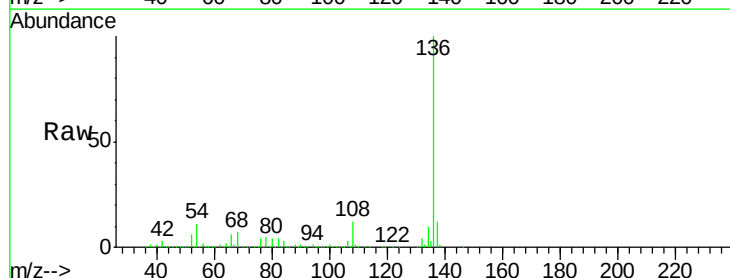
Delta R.T. -0.03 min

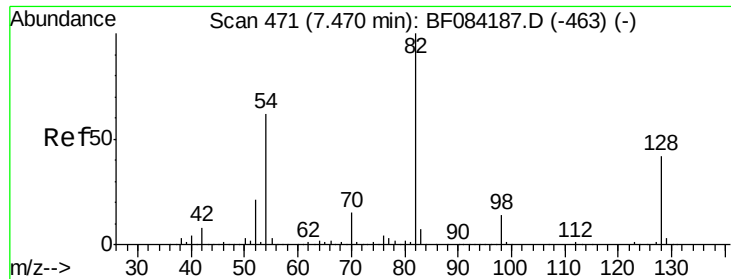
Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Tgt Ion: 136 Resp: 1275021

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.7	13.1
54	11.3	5.8	8.8#
68	6.8	4.2	6.2#

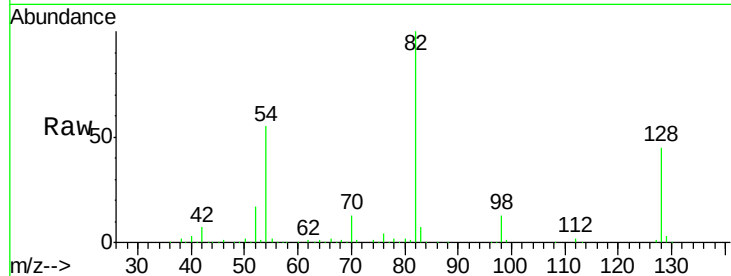




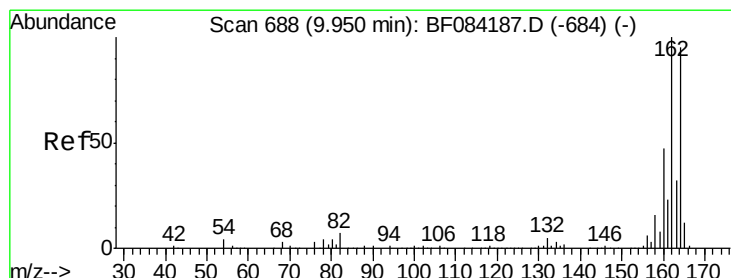
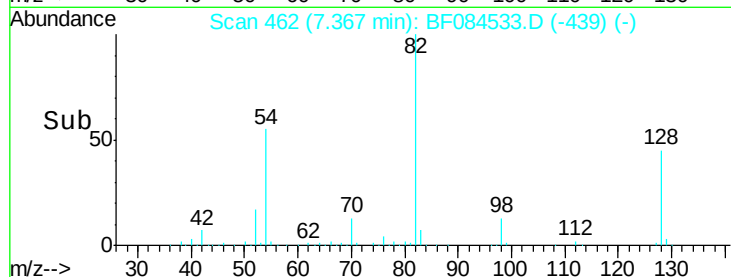
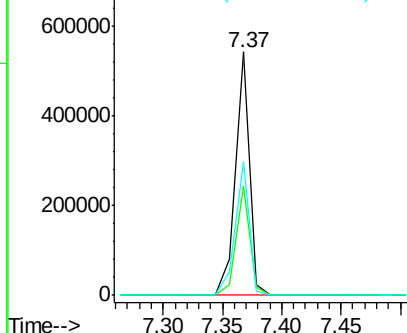
#23
 Nitrobenzene-d5
 Concen: 19.52 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

Tot Ion: 82 Resp: 447251
 Ion Ratio Lower Upper
 82 100
 128 44.7 34.6 51.8
 54 54.7 38.4 57.6

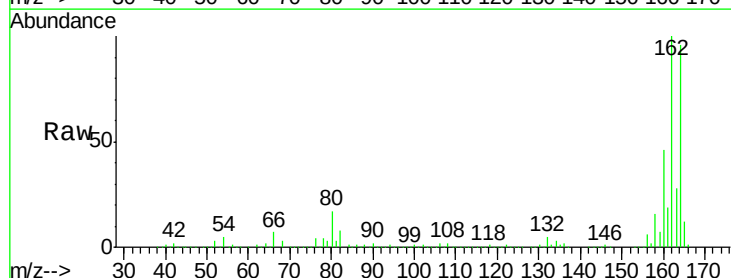


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

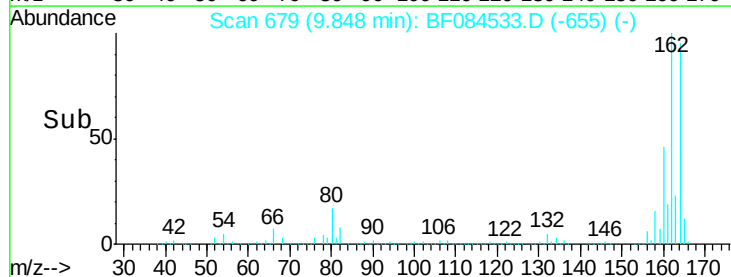
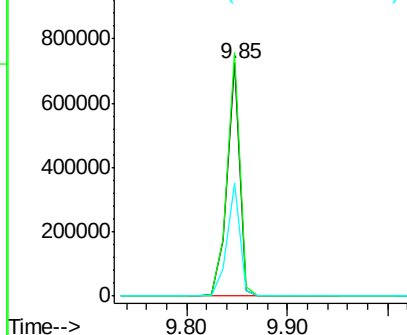


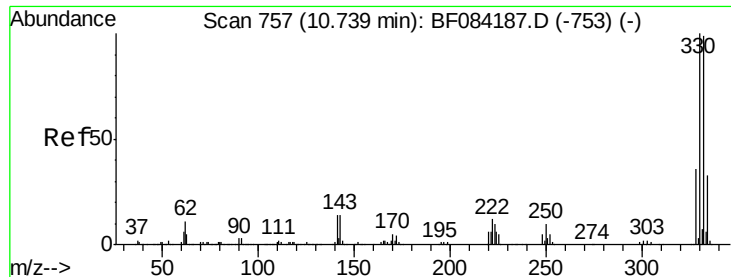
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

Tgt Ion: 164 Resp: 632203
 Ion Ratio Lower Upper
 164 100
 162 104.6 85.1 127.7
 160 48.5 37.5 56.3



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

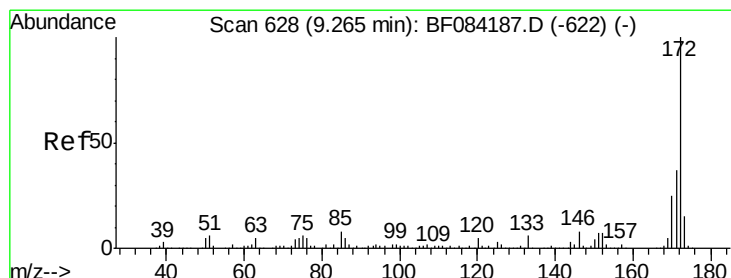
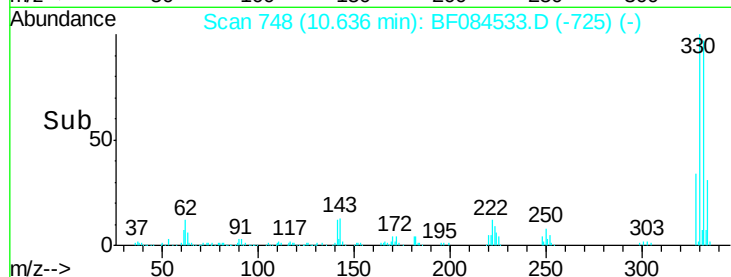
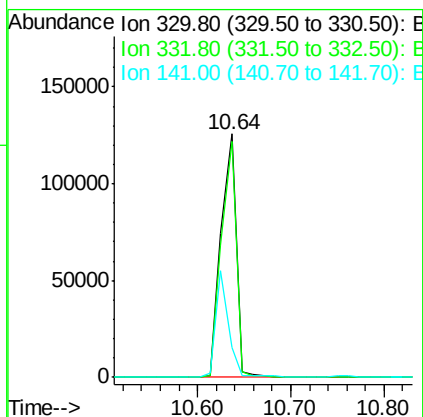
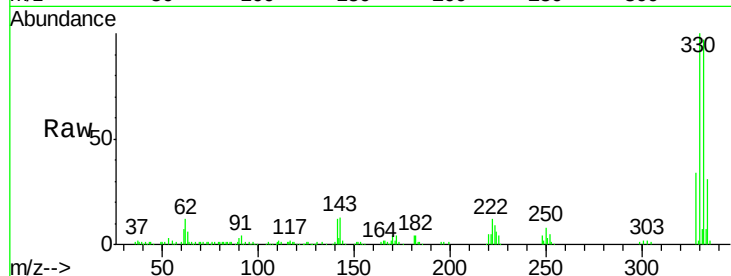




#41
 2,4,6-Tribromophenol
 Concen: 22.25 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.03 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

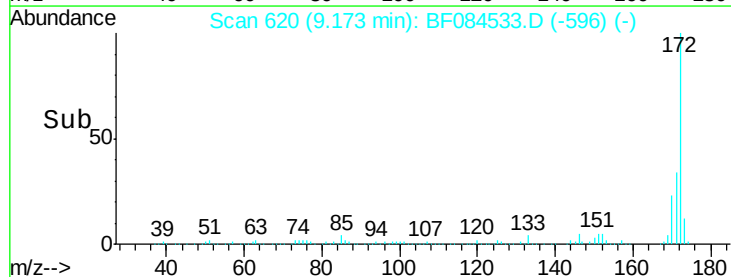
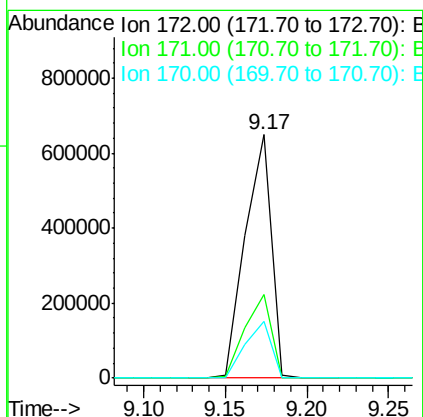
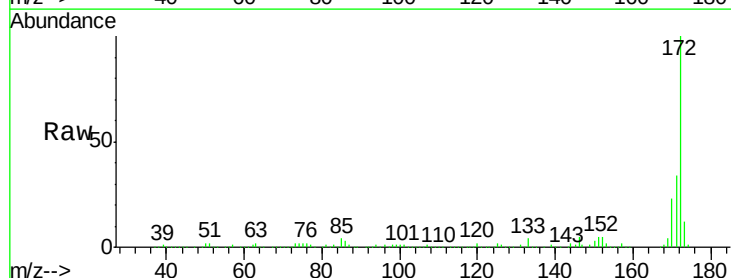
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

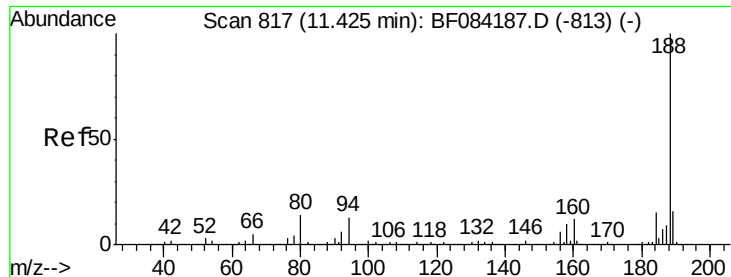
Tot Ion:330 Resp: 142041
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 114.8
 141 36.6 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 14.77 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

Tgt Ion:172 Resp: 718706
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.9 43.3
 170 23.3 18.6 27.8

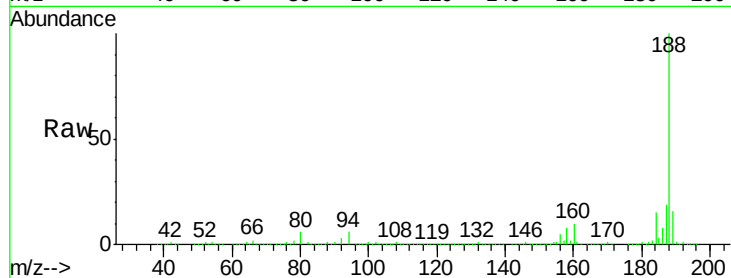




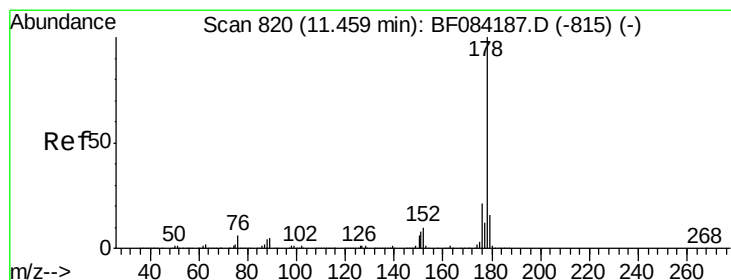
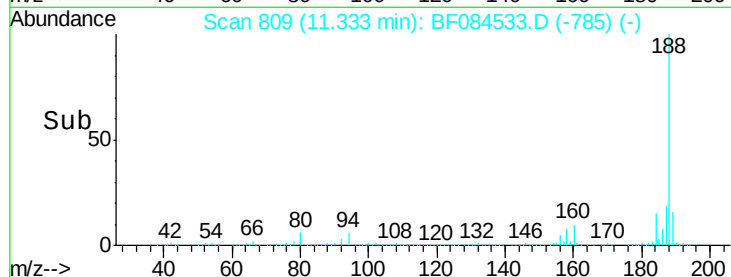
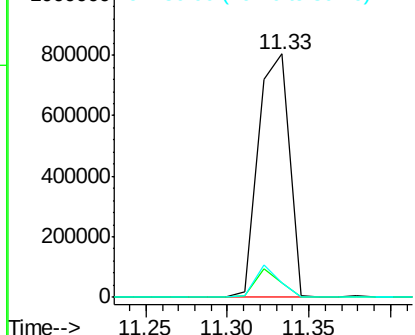
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Instrument :
BNA_F
ClientSampleId :
POST-EX-6-20160113

Tot Ion:188 Resp: 1065858
Ion Ratio Lower Upper
188 100
94 6.0 9.0 13.4#
80 5.8 9.6 14.4#

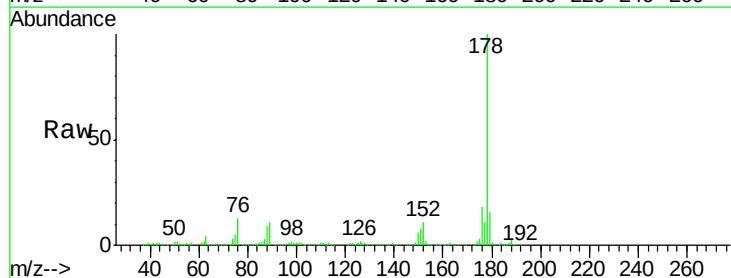


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

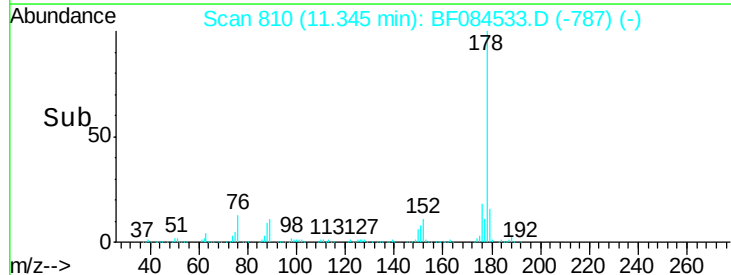
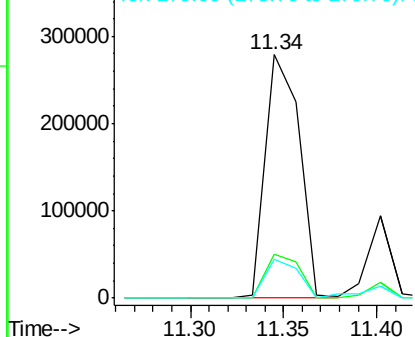


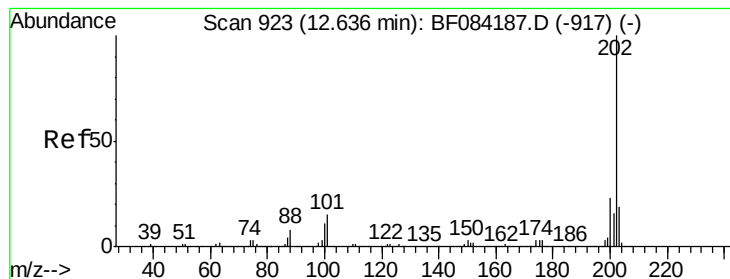
#70
Phenanthrene
Concen: 6.29 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Tgt Ion:178 Resp: 350882
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.9 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: 9.24 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

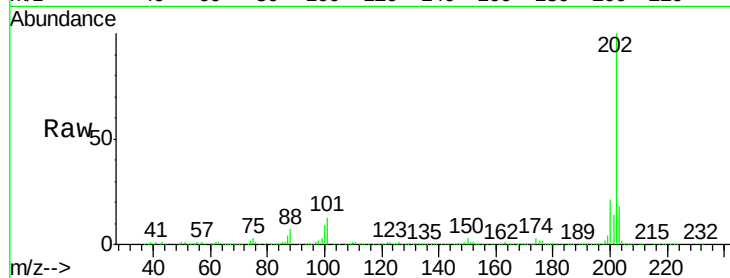
Tot Ion:202 Resp: 537904

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.8

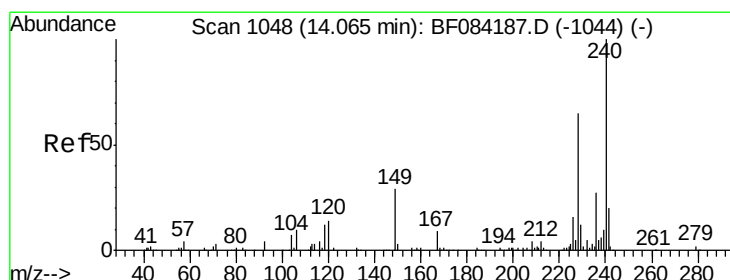
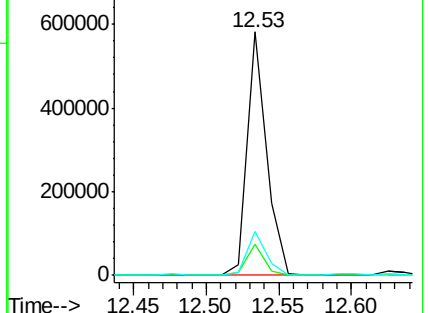
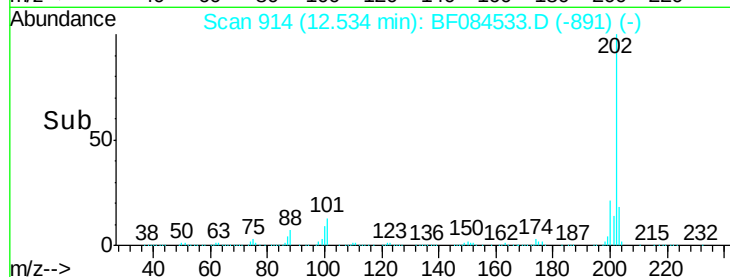
203 17.9 0.0 37.9



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: BF084533.D

Acq: 17 Jan 2016 13:53

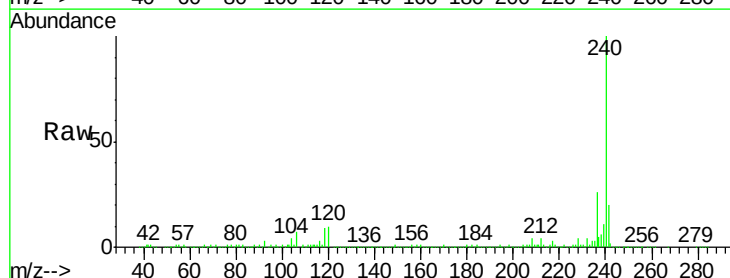
Tgt Ion:240 Resp: 719602

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

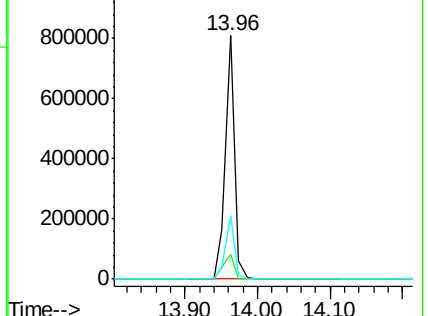
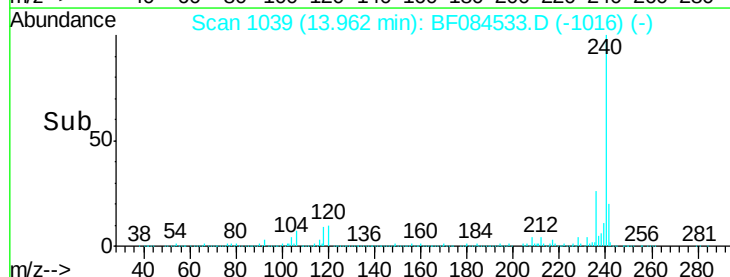
236 25.7 20.6 31.0

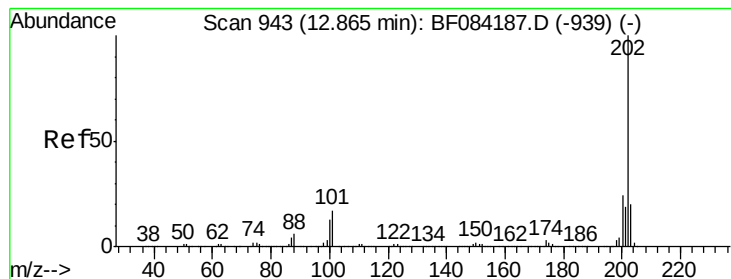


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.85 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

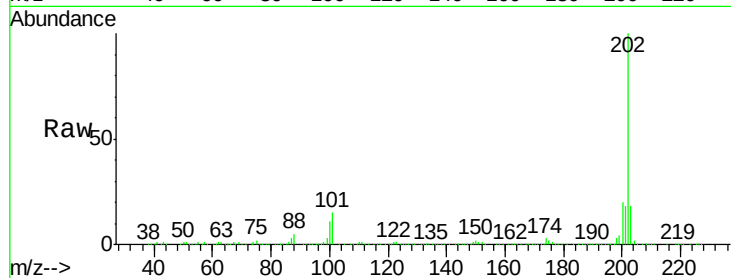
Tot Ion:202 Resp: 499948

Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

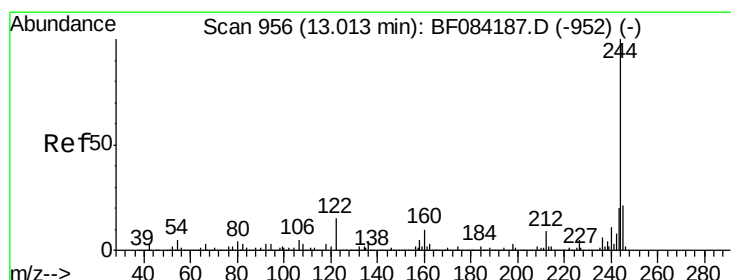
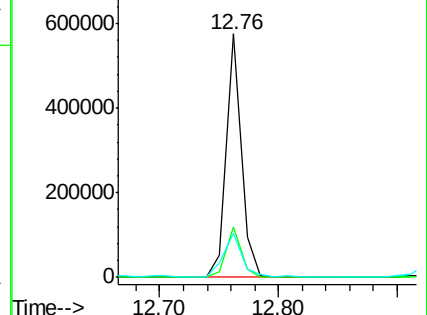
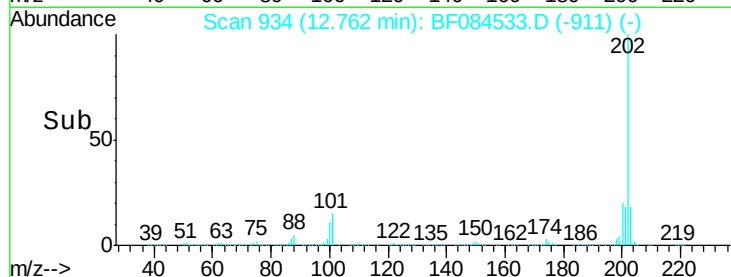
203 18.3 14.3 21.5



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: 17.91 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

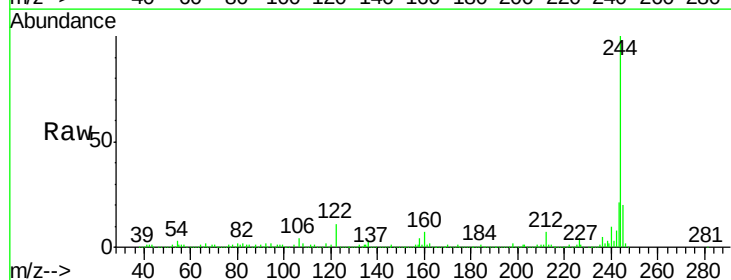
Tgt Ion:244 Resp: 577401

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

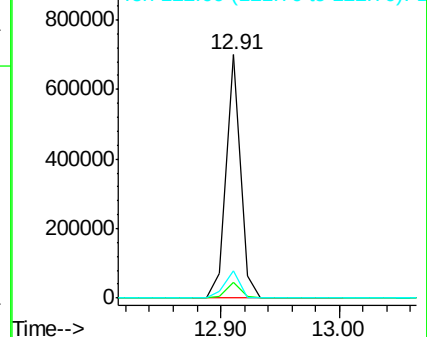
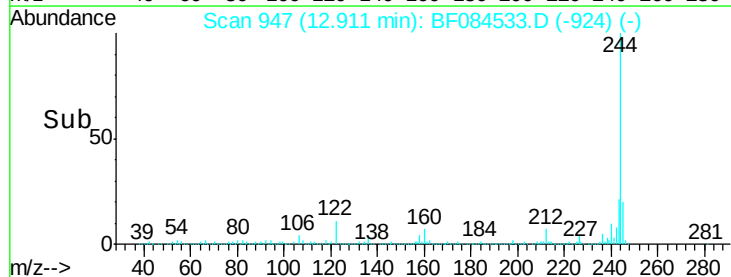
122 11.0 7.4 11.0#

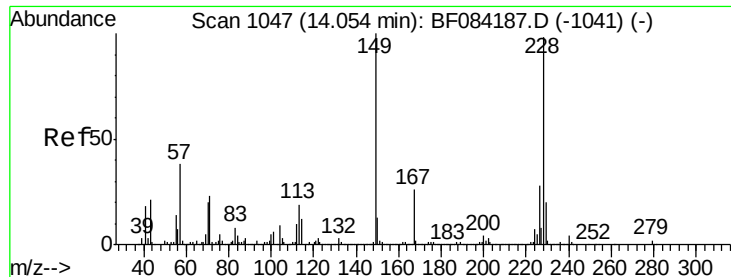


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.75 ng m

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

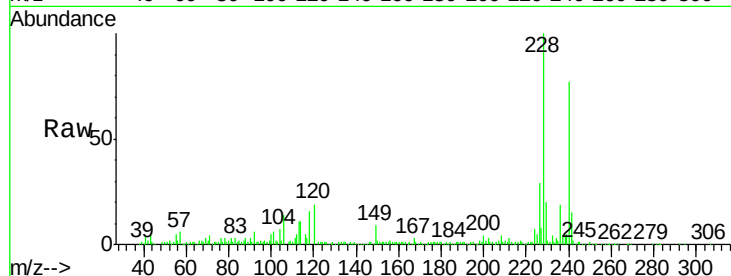
Tot Ion:228 Resp: 200742

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.6

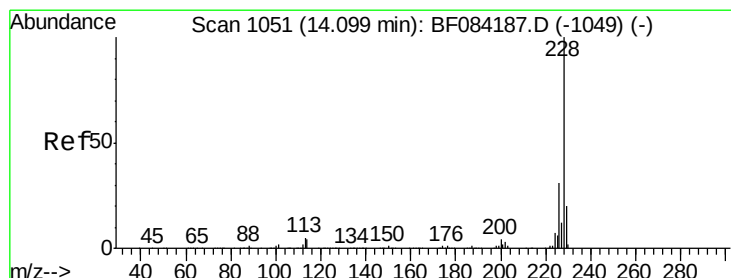
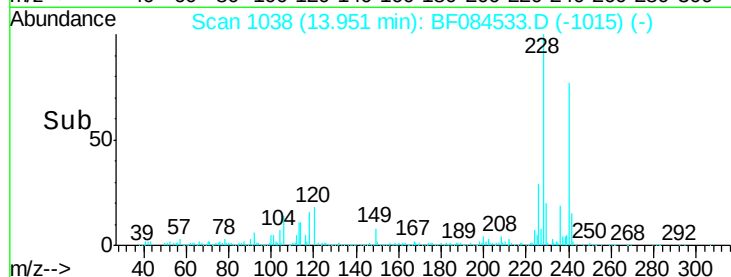
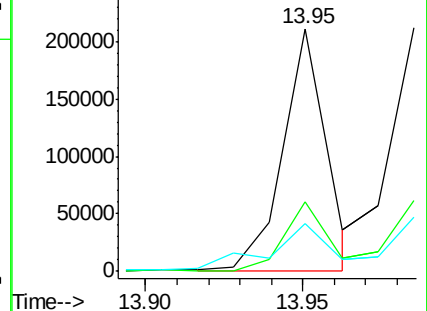
229 19.9 15.8 23.8



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: 5.15 ng m

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

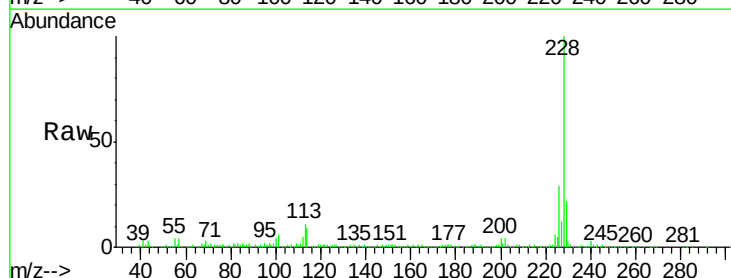
Tgt Ion:228 Resp: 209026

Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

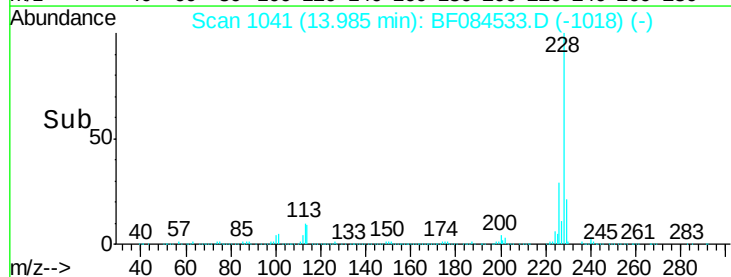
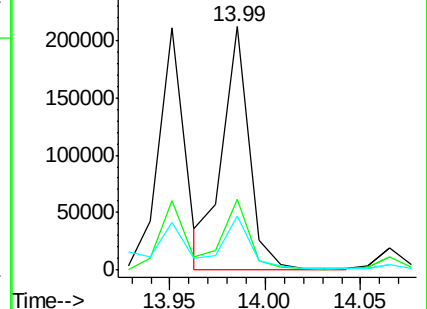
229 22.1 16.1 24.1

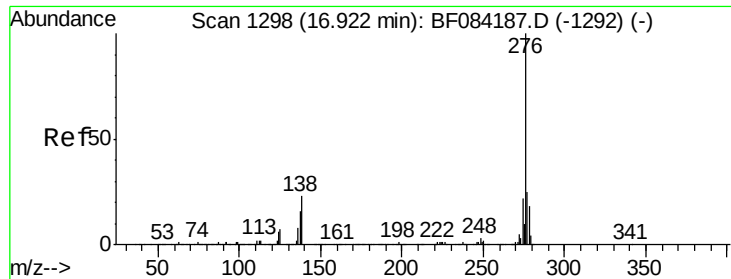


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.08 ng

RT: 16.73 min Scan# 1281

Delta R.T. -0.07 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

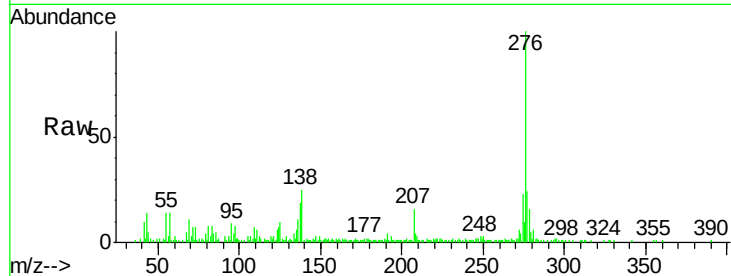
Tot Ion:276 Resp: 99067

Ion Ratio Lower Upper

276 100

138 24.6 20.6 30.8

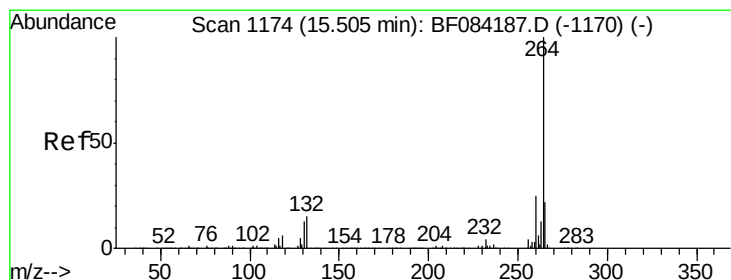
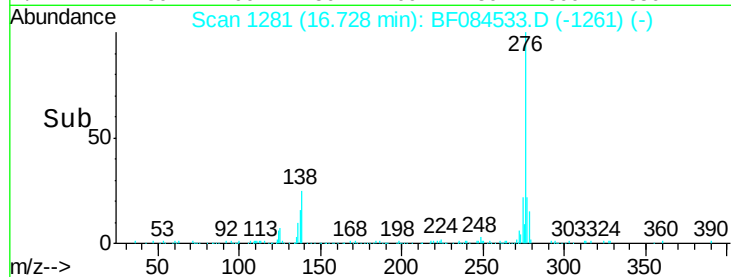
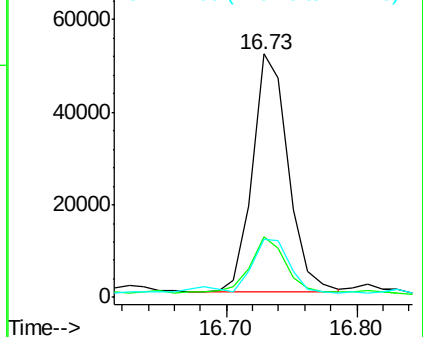
277 28.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF084533.D

Acq: 17 Jan 2016 13:53

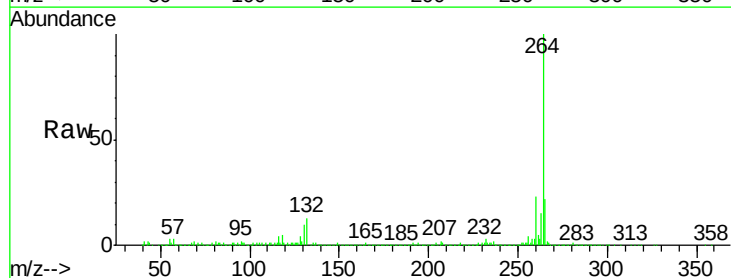
Tgt Ion:264 Resp: 613442

Ion Ratio Lower Upper

264 100

260 22.9 19.4 29.2

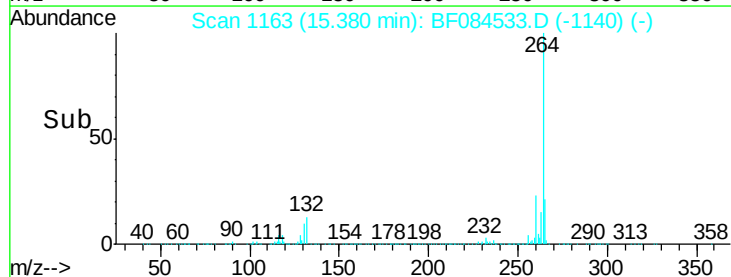
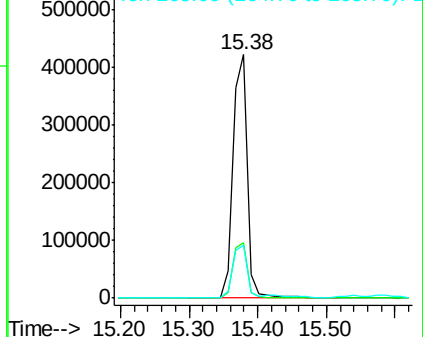
265 21.7 17.8 26.6

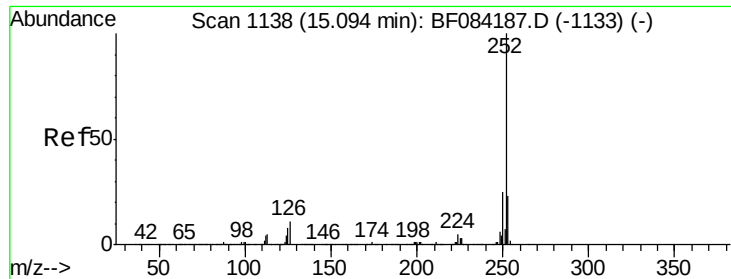


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

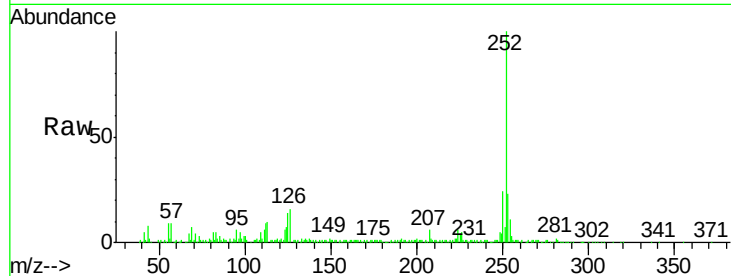




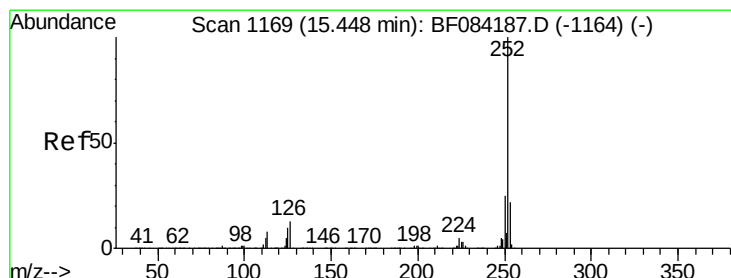
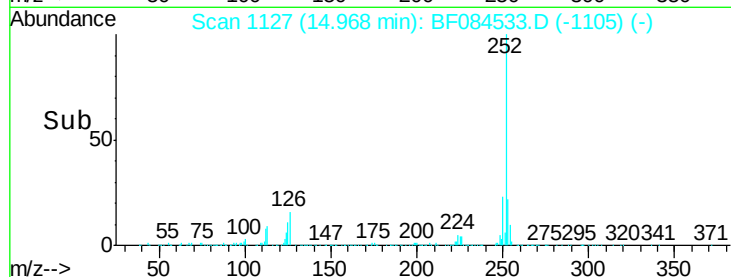
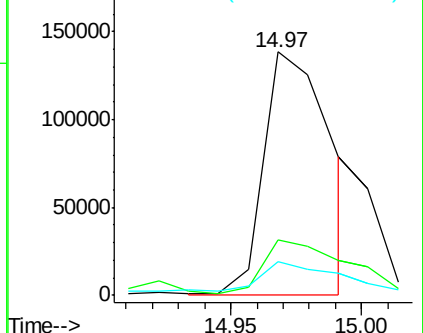
#87
Benzo(b)fluoranthene
Concen: 6.12 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Instrument :
BNA_F
ClientSampleId :
POST-EX-6-20160113

Tot Ion:252 Resp: 245686
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 13.6 6.5 9.7#

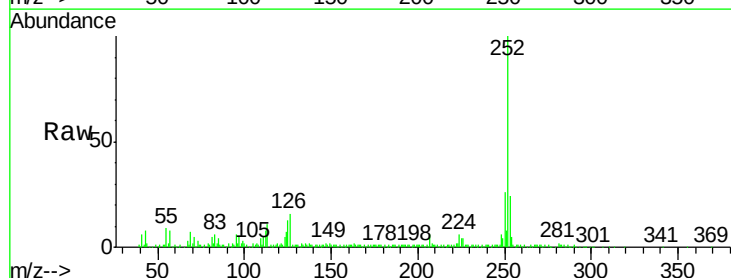


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

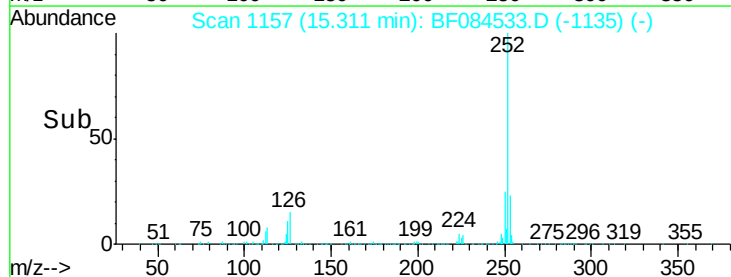
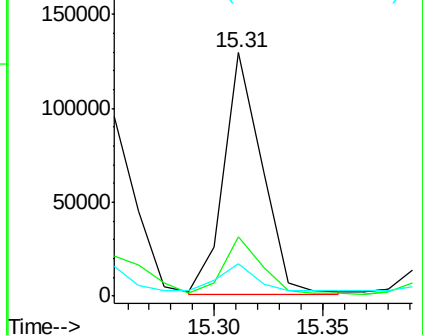


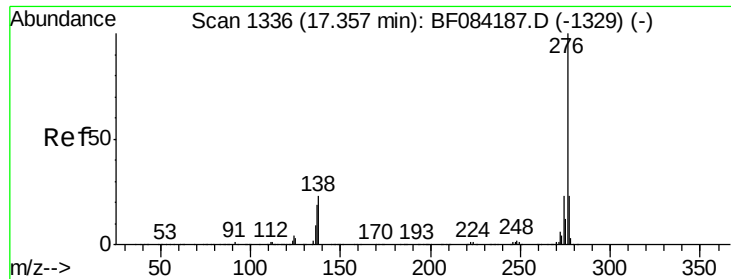
#89
Benzo(a)pyrene
Concen: 4.58 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF084533.D
Acq: 17 Jan 2016 13:53

Tgt Ion:252 Resp: 155784
Ion Ratio Lower Upper
252 100
253 24.2 17.3 25.9
125 13.1 7.0 10.4#



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

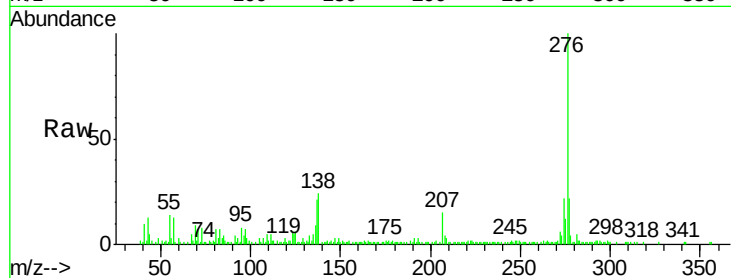




#91
 Benzo(a,h,i)perylene
 Concen: 3.50 ng
 RT: 17.14 min Scan# 1317
 Delta R.T. -0.08 min
 Lab File: BF084533.D
 Acq: 17 Jan 2016 13:53

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.8	28.2
138	24.1	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

