

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084524.D
 Acq On : 16 Jan 2016 7:13
 Operator : SJ/UM
 Sample : H1143-01 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

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

Quant Time: Jan 18 00:30:18 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

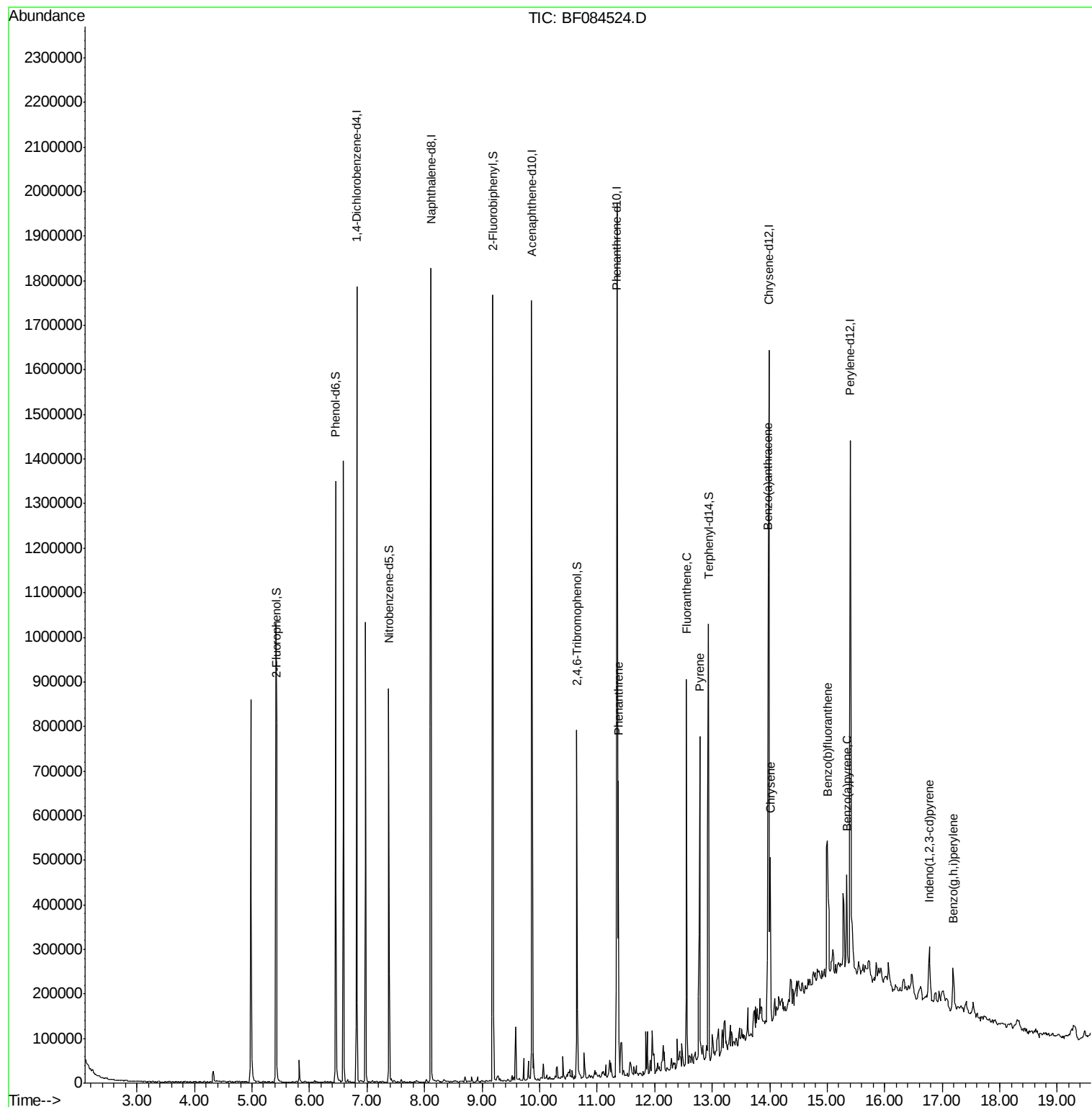
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	232397	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	921285	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	387201	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	664908	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	542312	20.00	ng	-0.01
86) Perylene-d12	15.40	264	540304	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	385354	26.82	ng	-0.01
7) Phenol-d6	6.45	99	465074	25.77	ng	-0.02
23) Nitrobenzene-d5	7.38	82	269821	16.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	84428	21.60	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	502992	17.85	ng	-0.01
78) Terphenyl-d14	12.93	244	343930	14.16	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.37	178	225288	6.48	ng	99
74) Fluoranthene	12.56	202	328291	9.04	ng	97
77) Pyrene	12.78	202	311523	7.32	ng	97
80) Benzo(a)anthracene	13.97	228	150237m	4.72	ng	
82) Chrysene	14.01	228	146767m	4.80	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	84862	3.50	ng	97
87) Benzo(b)fluoranthene	15.00	252	201132m	5.69	ng	
89) Benzo(a)pyrene	15.35	252	135747	4.53	ng	96
91) Benzo(g,h,i)perylene	17.19	276	79087	2.96	ng	# 95

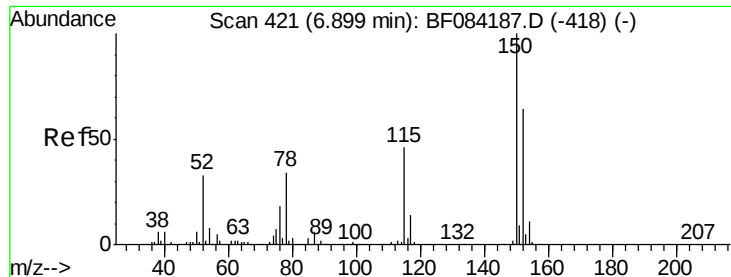
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 18 00:30:18 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: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

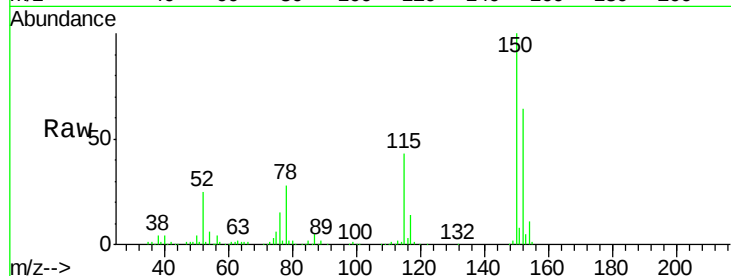
Tot Ion:152 Resp: 232397

Ion Ratio Lower Upper

152 100

150 156.7 123.0 184.4

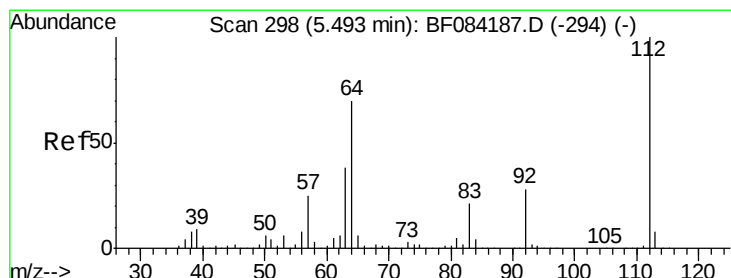
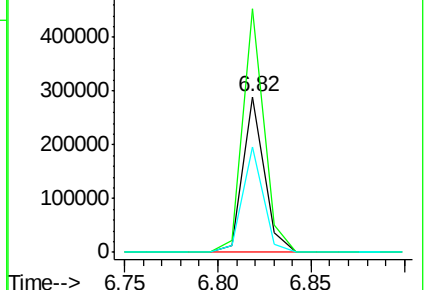
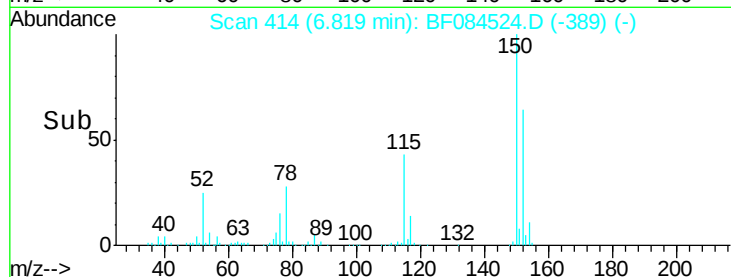
115 67.5 51.4 77.2



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: 26.82 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

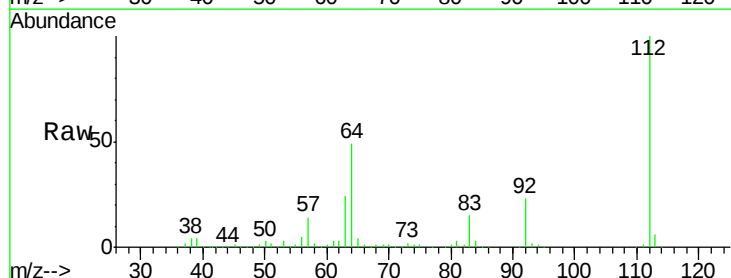
Tgt Ion:112 Resp: 385354

Ion Ratio Lower Upper

112 100

64 48.7 36.6 55.0

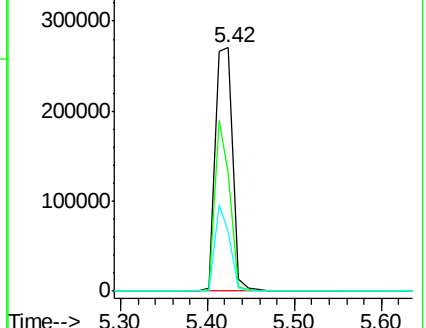
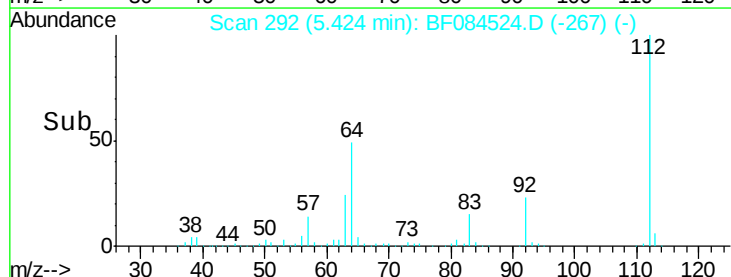
63 24.2 19.4 29.0

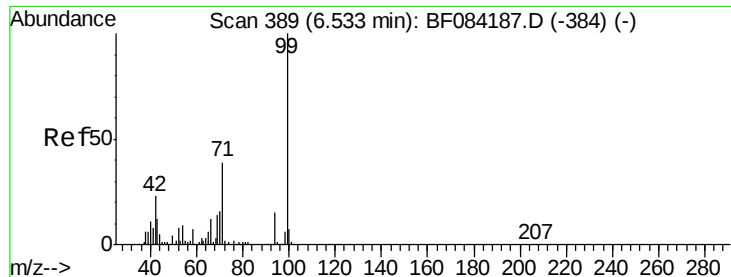


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.77 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

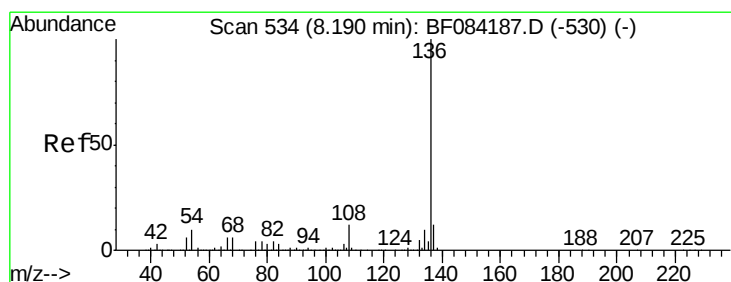
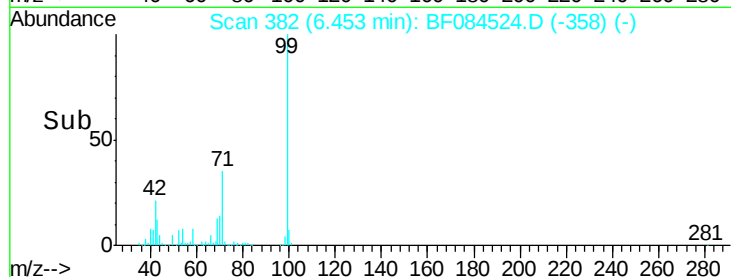
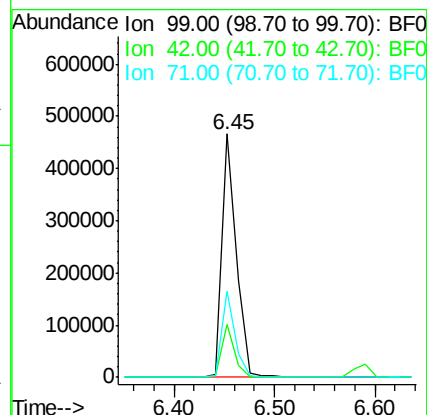
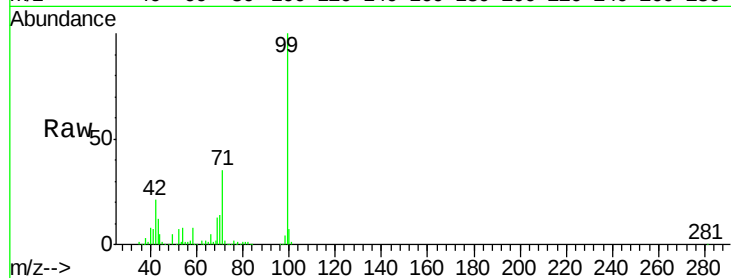
Tot Ion: 99 Resp: 465074

Ion Ratio Lower Upper

99 100

42 21.5 12.8 19.2#

71 35.5 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

Tgt Ion: 136 Resp: 921285

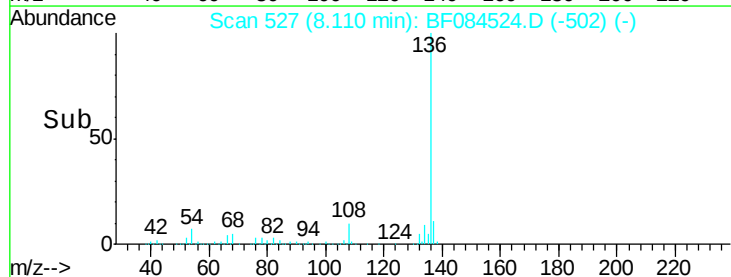
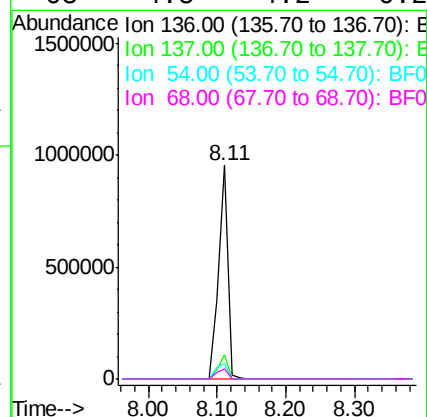
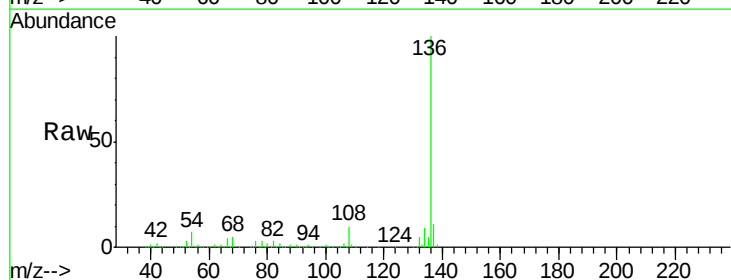
Ion Ratio Lower Upper

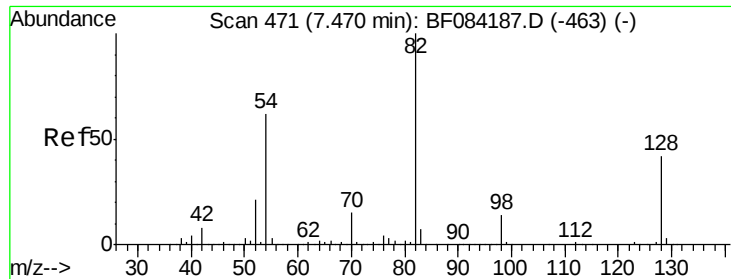
136 100

137 11.2 8.7 13.1

54 7.1 5.8 8.8

68 4.5 4.2 6.2

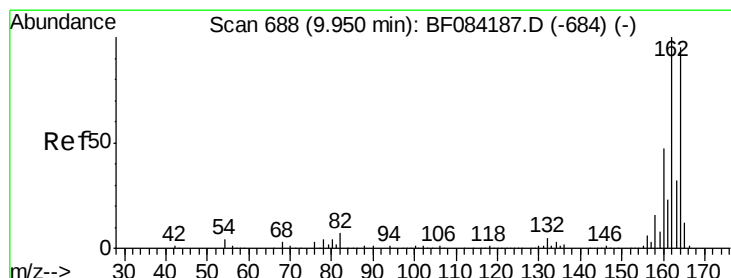
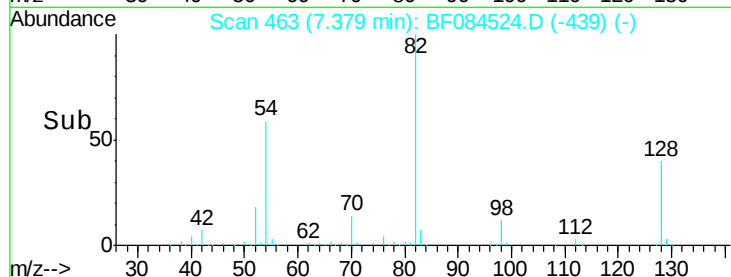
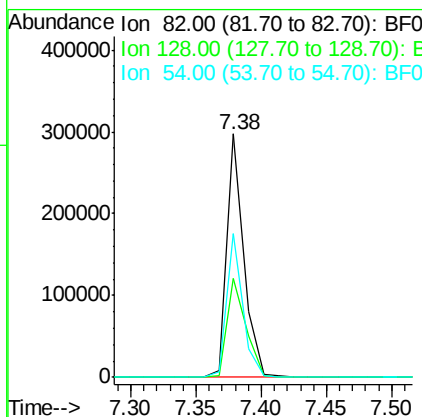
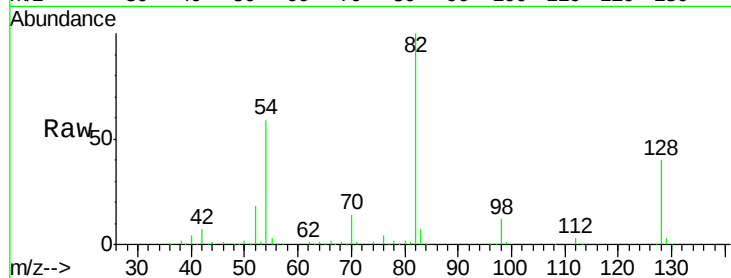




#23
 Nitrobenzene-d5
 Concen: 16.30 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.02 min
 Lab File: BF084524.D
 Acq: 16 Jan 2016 7:13

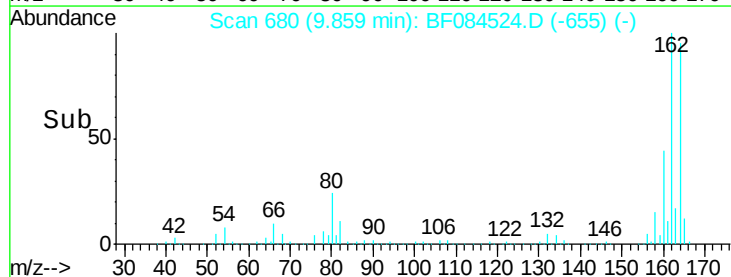
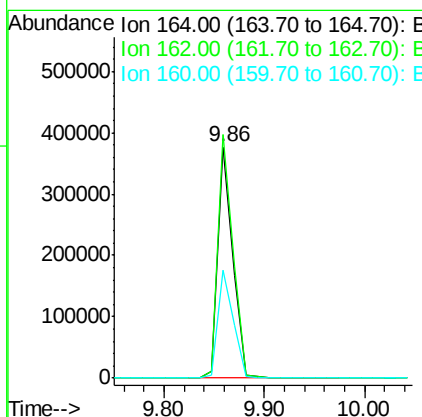
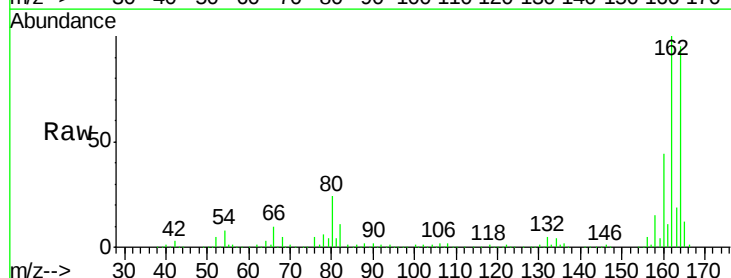
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

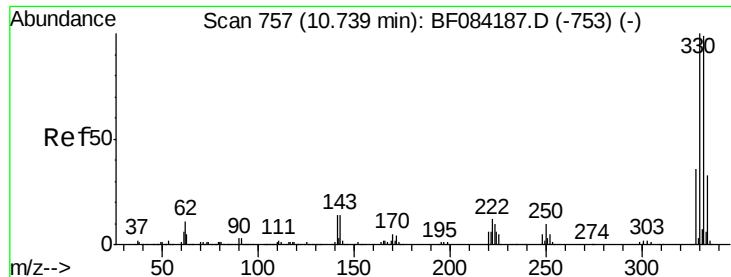
Tot Ion	82	Resp	269821
Ion Ratio	Lower	Upper	
82	100		
128	40.4	34.6	51.8
54	59.0	38.4	57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084524.D
 Acq: 16 Jan 2016 7:13

Tgt Ion	164	Resp	387201
Ion Ratio	Lower	Upper	
164	100		
162	105.5	85.1	127.7
160	46.6	37.5	56.3

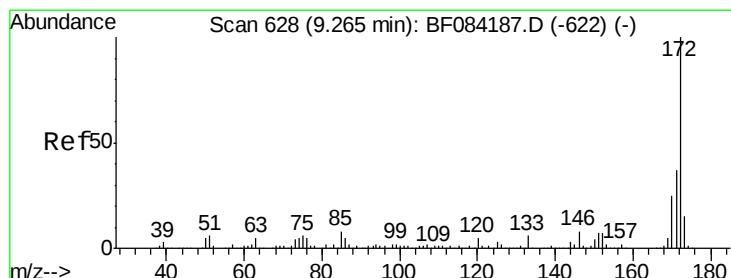
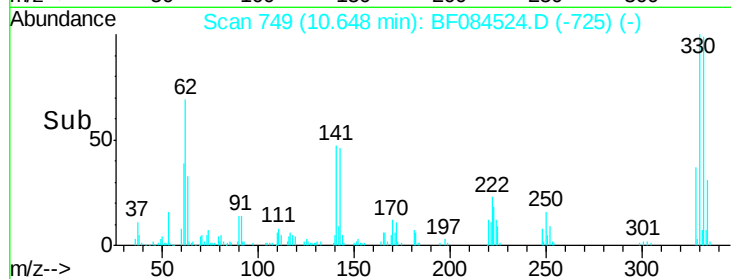
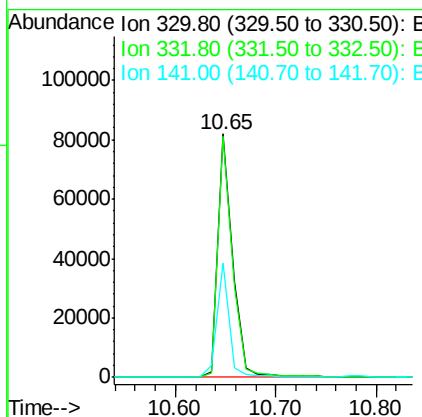
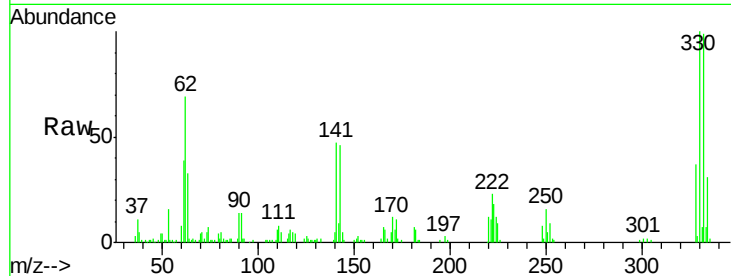




#41
 2,4,6-Tribromophenol
 Concen: 21.60 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.02 min
 Lab File: BF084524.D
 Acq: 16 Jan 2016 7:13

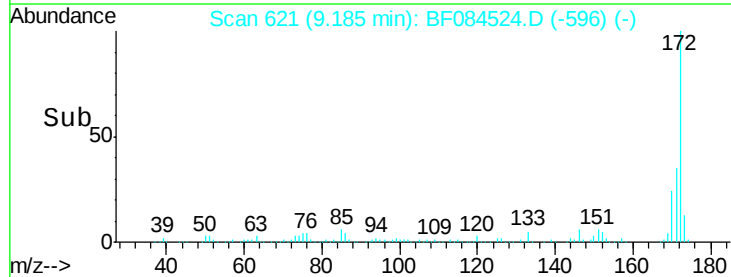
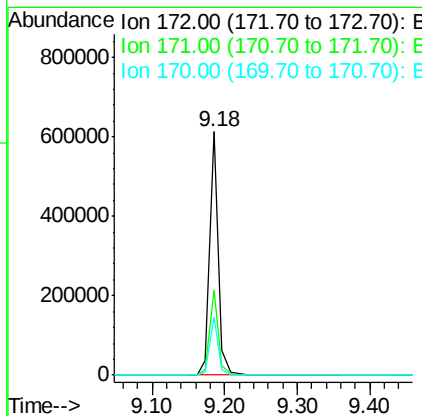
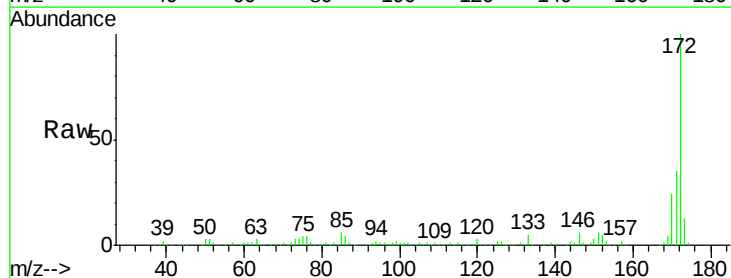
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

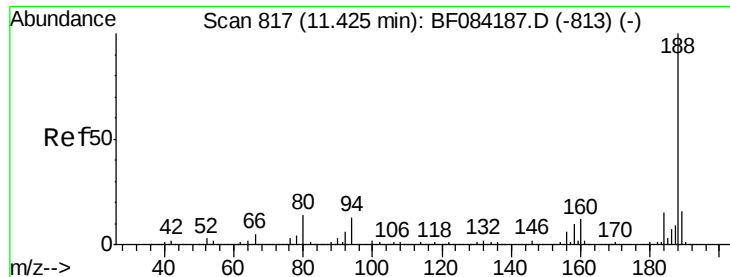
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	38.6	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 17.85 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084524.D
 Acq: 16 Jan 2016 7:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.9	43.3
170	23.7	18.6	27.8

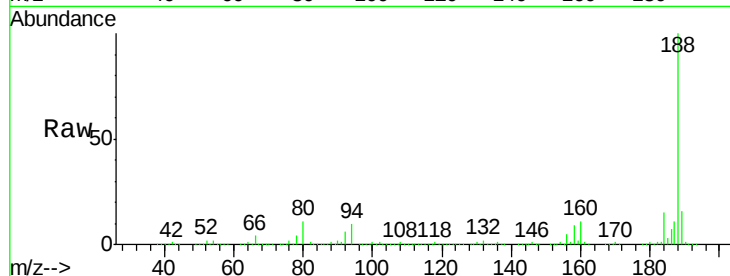




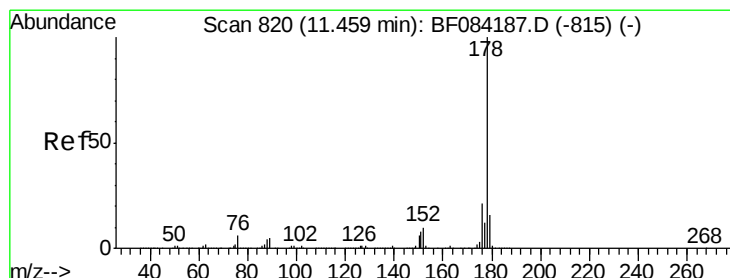
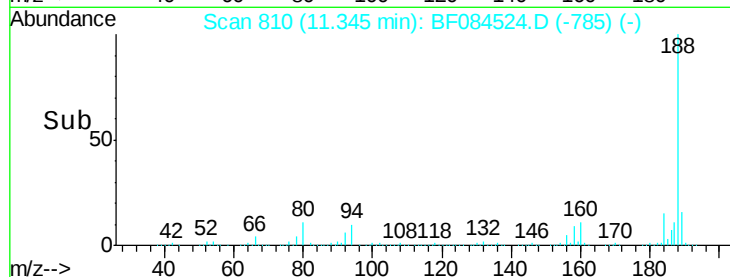
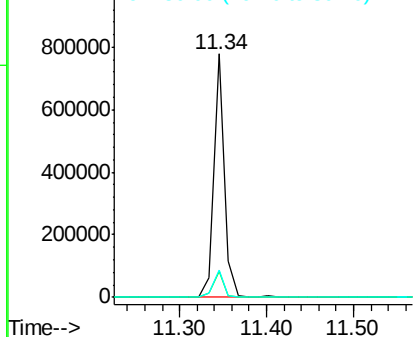
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084524.D
Acq: 16 Jan 2016 7:13

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

Tot Ion:188 Resp: 664908
Ion Ratio Lower Upper
188 100
94 10.4 9.0 13.4
80 11.1 9.6 14.4

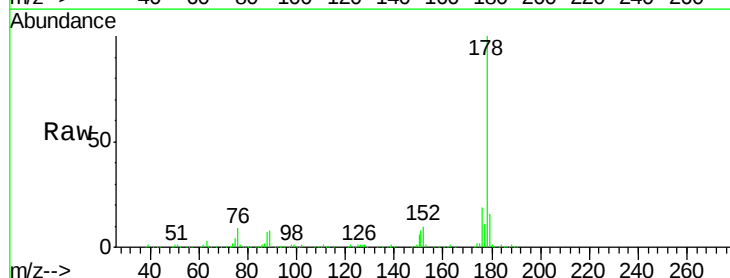


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

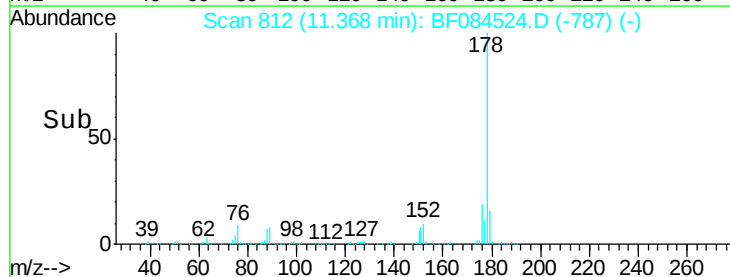
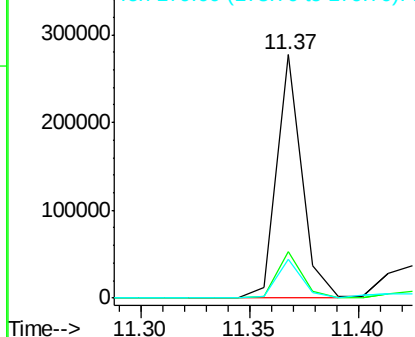


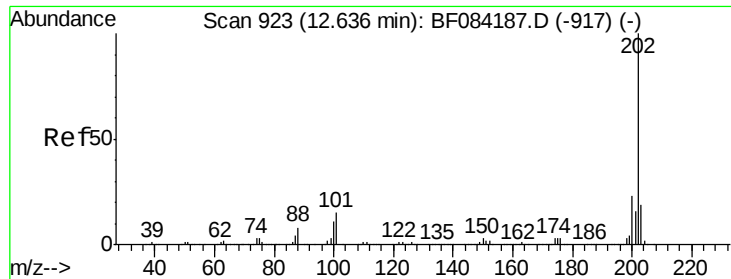
#70
Phenanthrene
Concen: 6.48 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF084524.D
Acq: 16 Jan 2016 7:13

Tgt Ion:178 Resp: 225288
Ion Ratio Lower Upper
178 100
176 19.0 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: 9.04 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

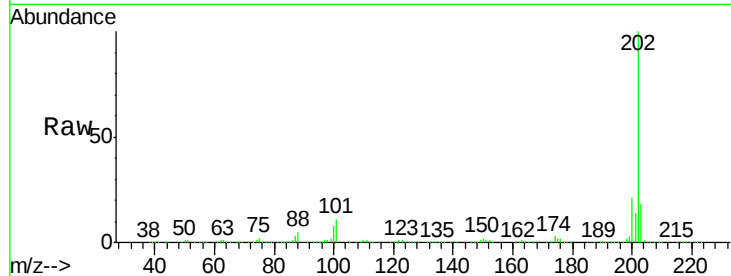
Tot Ion:202 Resp: 328291

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.8

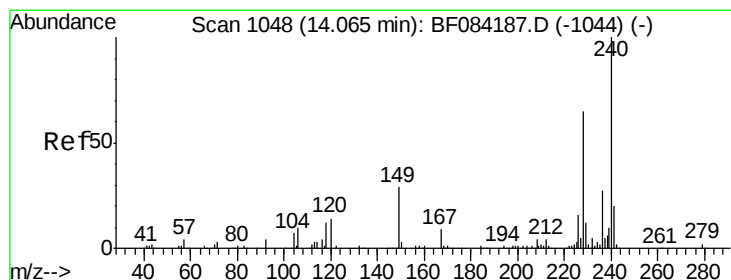
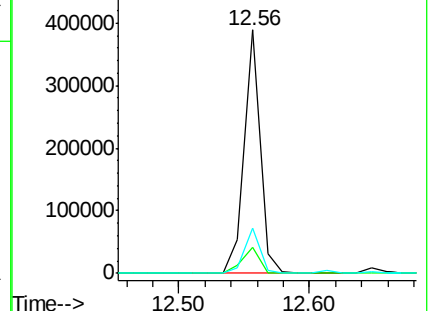
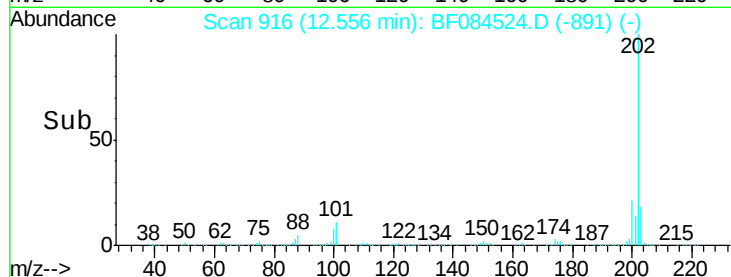
203 18.3 0.0 37.9



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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

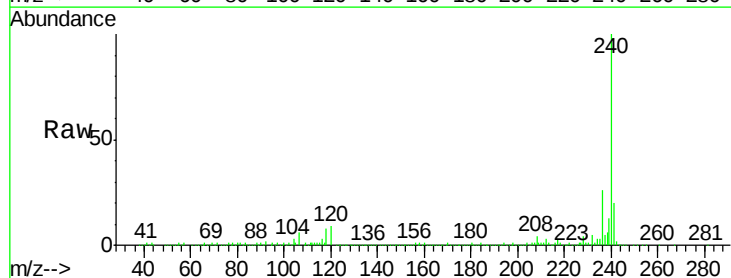
Tgt Ion:240 Resp: 542312

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

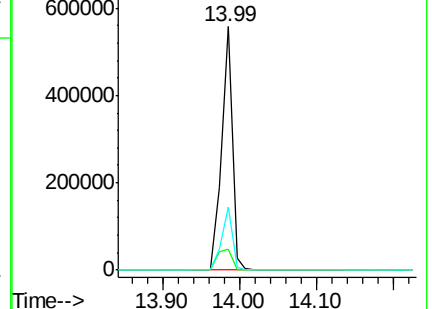
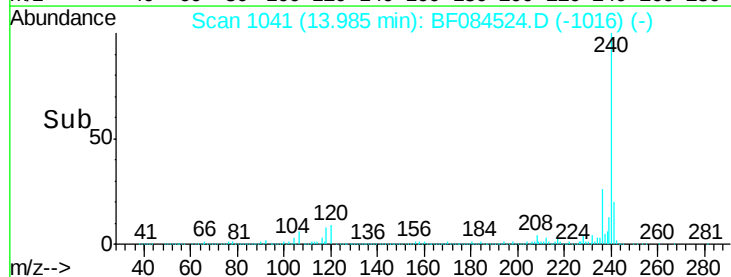
236 26.0 20.6 31.0

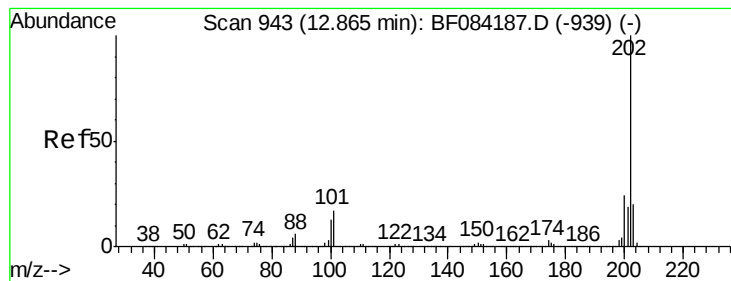


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.32 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

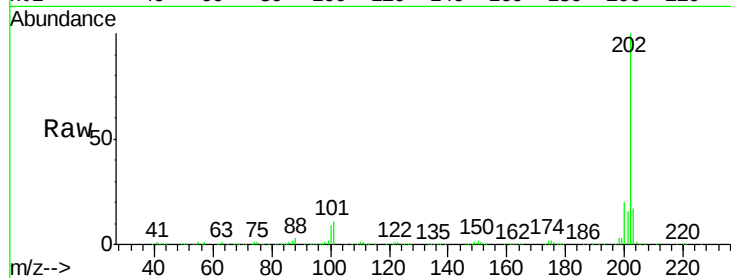
Tot Ion:202 Resp: 311523

Ion Ratio Lower Upper

202 100

200 19.6 17.2 25.8

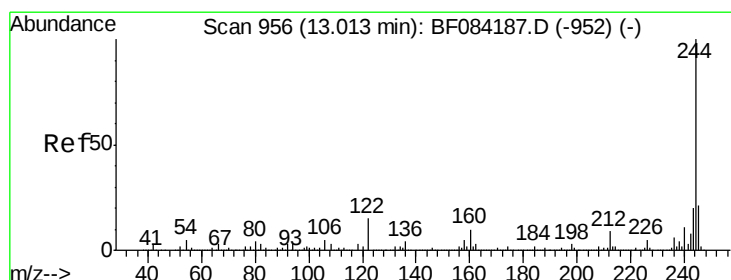
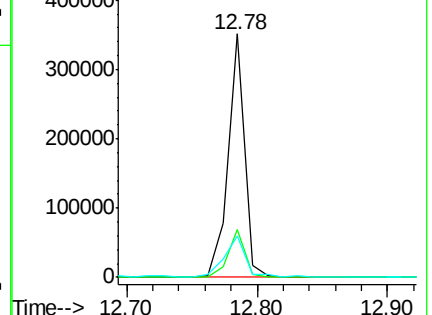
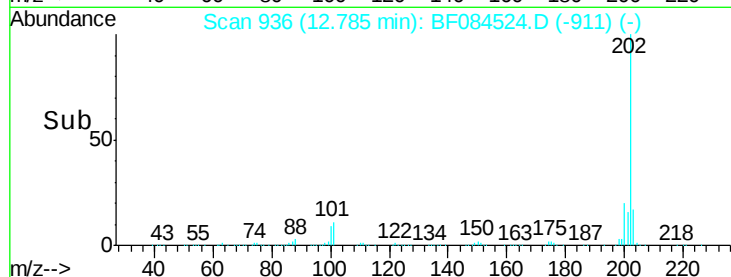
203 16.9 14.3 21.5



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: 14.16 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

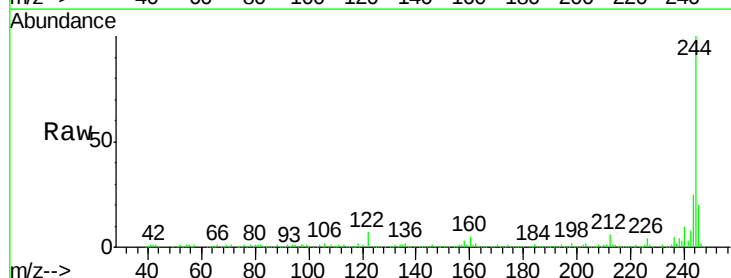
Tgt Ion:244 Resp: 343930

Ion Ratio Lower Upper

244 100

212 5.9 5.7 8.5

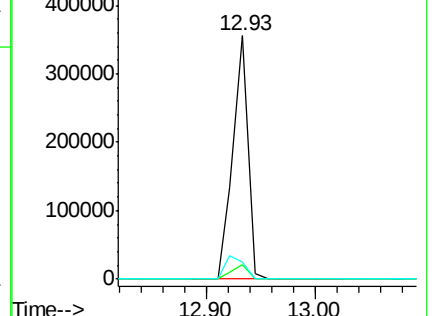
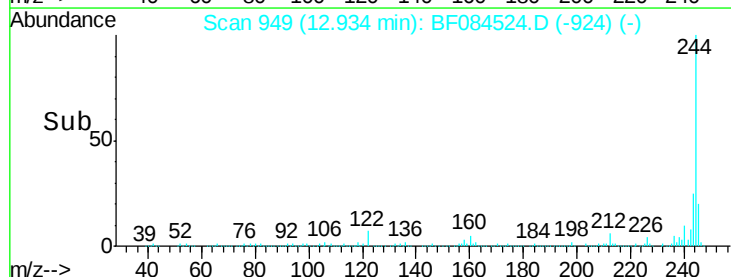
122 7.2 7.4 11.0#

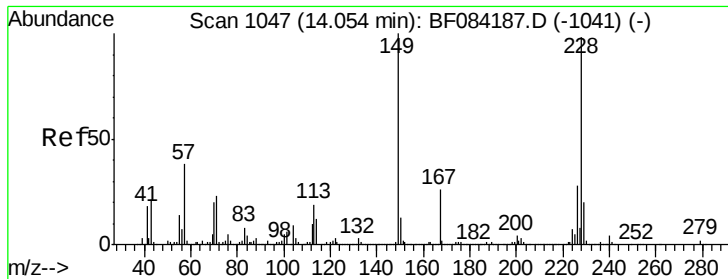


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

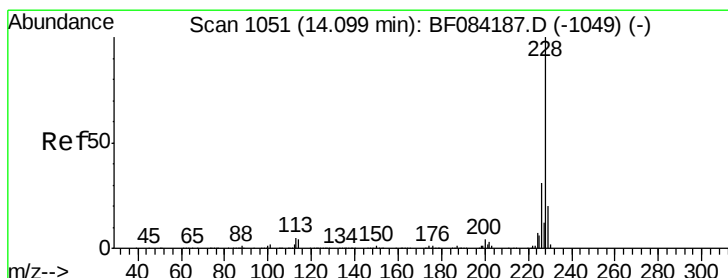
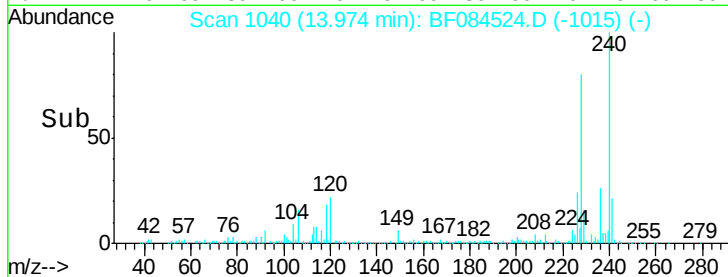
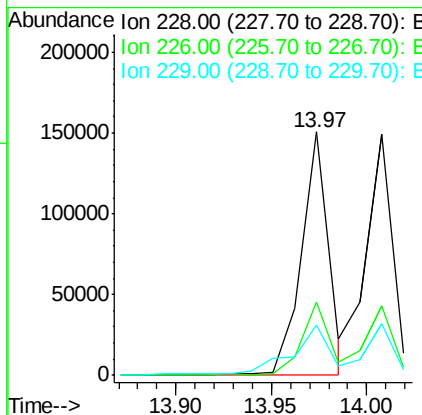
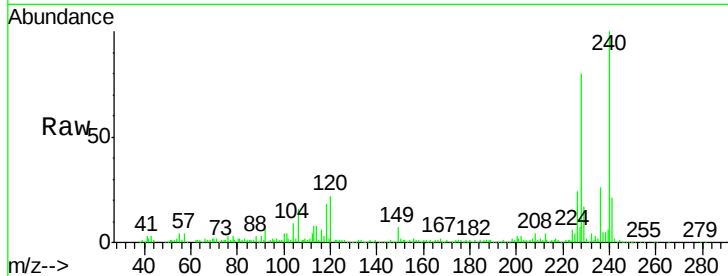




#80
Benzo(a)anthracene
Concen: 4.72 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF084524.D
Acq: 16 Jan 2016 7:13

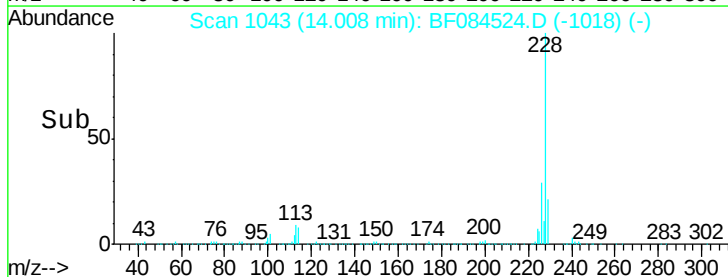
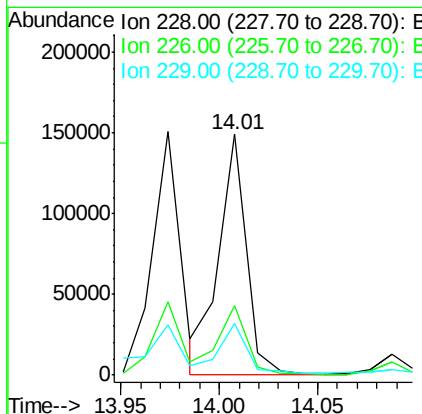
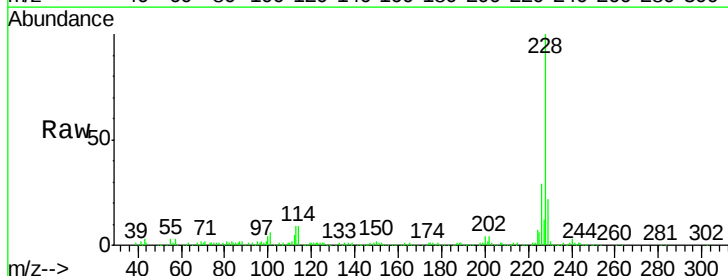
Instrument :
BNA_F
ClientSampleId :
POST-EX-6-20160113

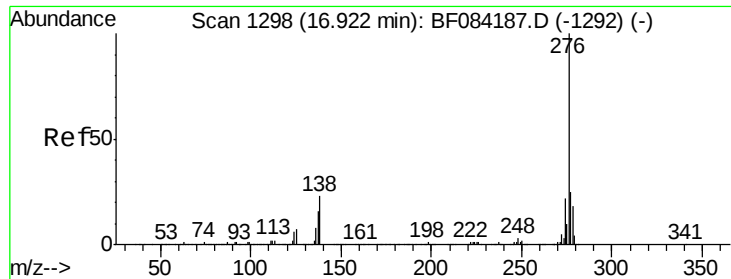
Tot Ion:228 Resp: 150237
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.6
229 20.8 15.8 23.8



#82
Chrysene
Concen: 4.80 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF084524.D
Acq: 16 Jan 2016 7:13

Tgt Ion:228 Resp: 146767
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 21.7 16.1 24.1

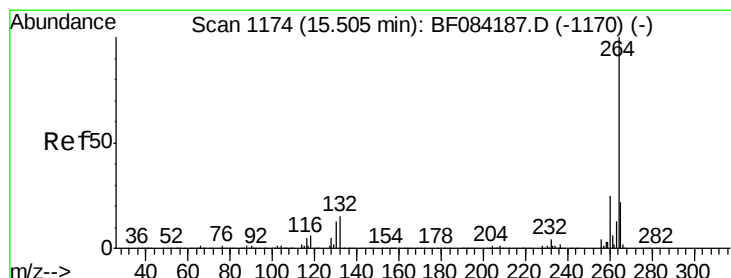
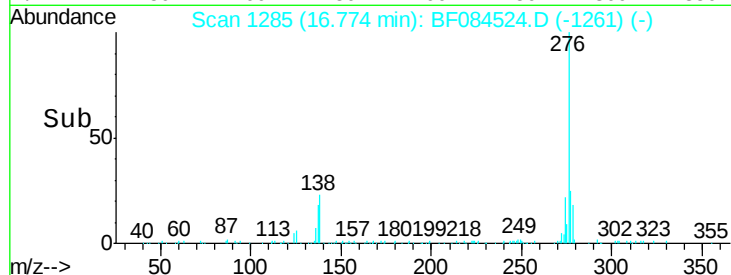
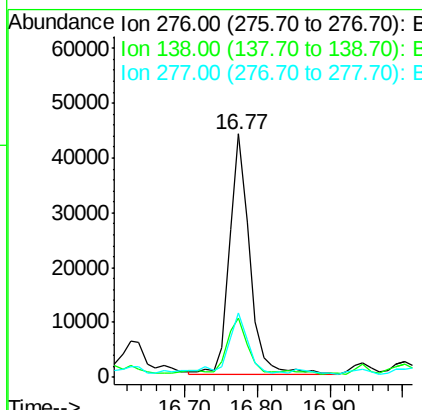
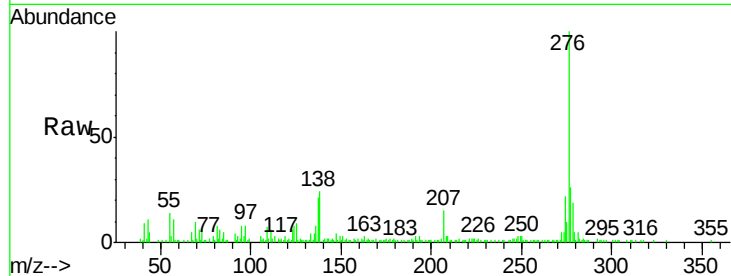




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.50 ng
 RT: 16.77 min Scan# 1285
 Delta R.T. -0.02 min
 Lab File: BF084524.D
 Acq: 16 Jan 2016 7:13

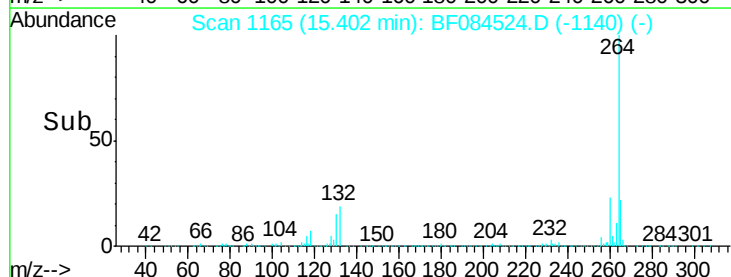
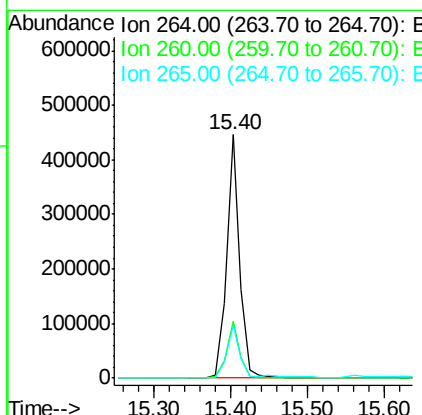
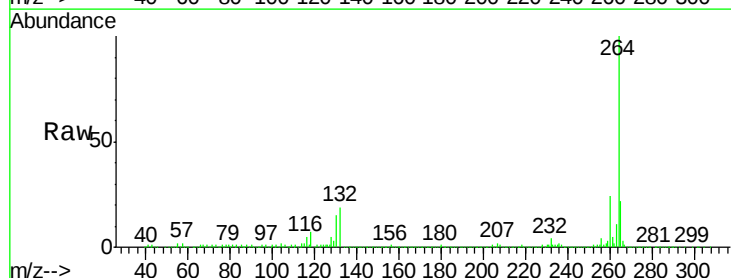
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-6-20160113

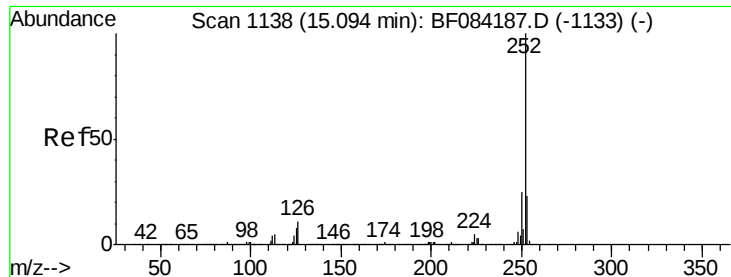
Tot Ion:276 Resp: 84862
 Ion Ratio Lower Upper
 276 100
 138 23.0 20.6 30.8
 277 25.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF084524.D
 Acq: 16 Jan 2016 7:13

Tgt Ion:264 Resp: 540304
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 22.0 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 5.69 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

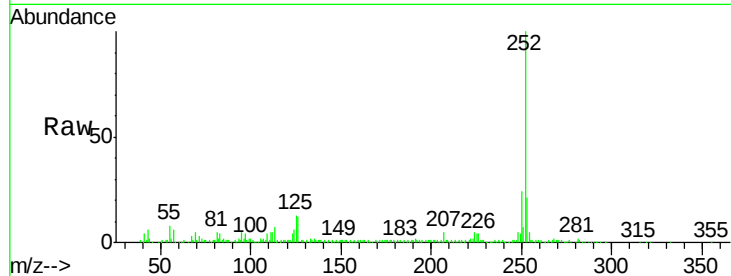
Tot Ion:252 Resp: 201132

Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

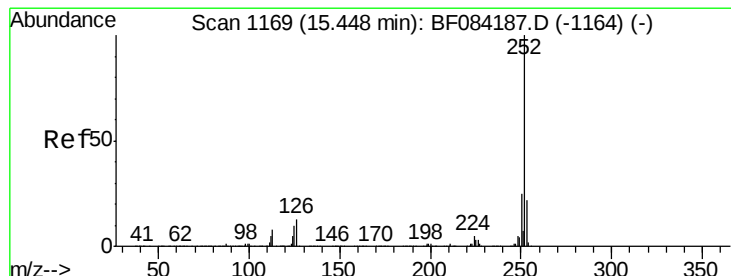
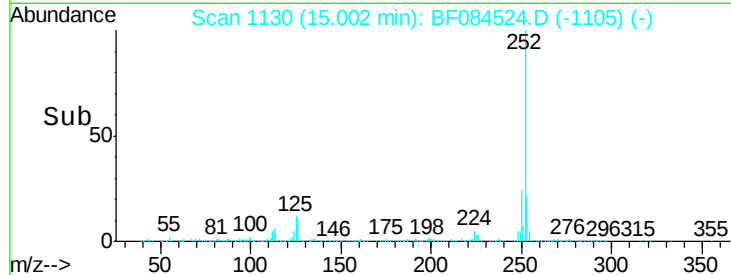
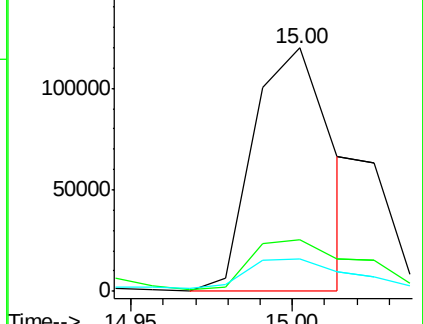
125 13.1 6.5 9.7#



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: 4.53 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

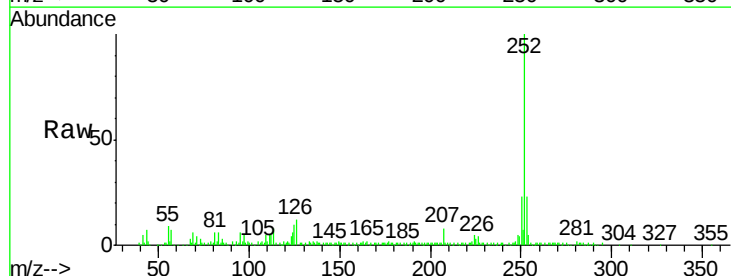
Tgt Ion:252 Resp: 135747

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

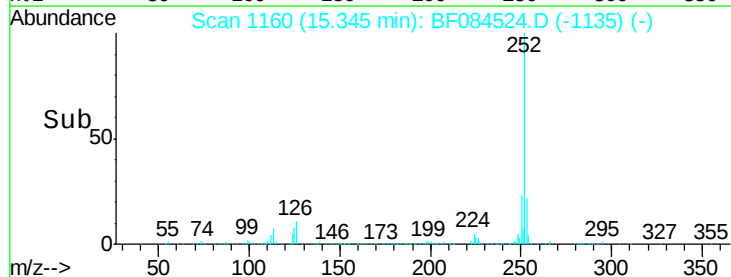
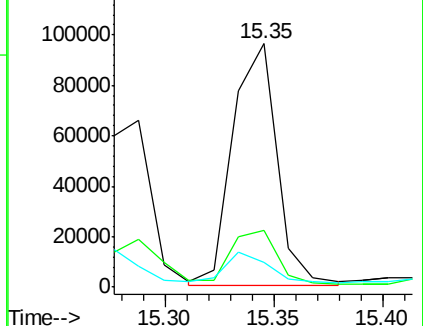
125 10.0 7.0 10.4

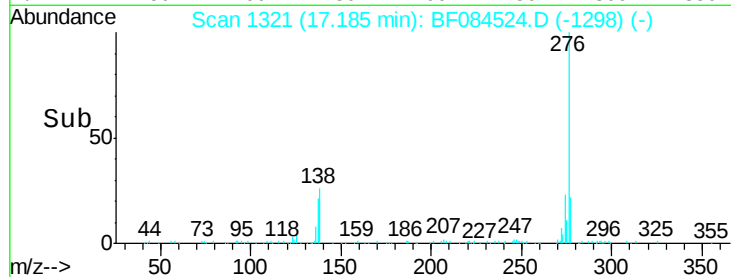
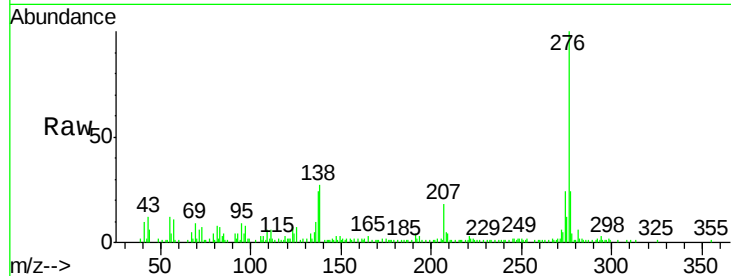
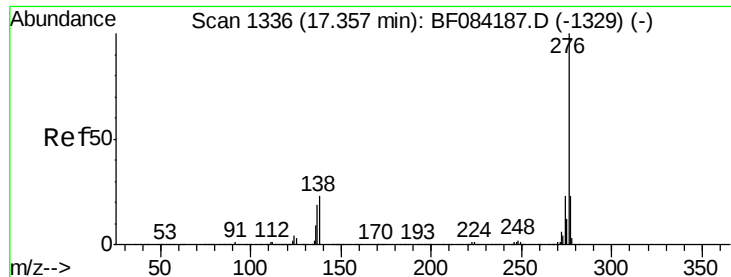


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.96 ng

RT: 17.19 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF084524.D

Acq: 16 Jan 2016 7:13

Instrument :

BNA_F

ClientSampleId :

POST-EX-6-20160113

Tot Ion: 276 Resp: 79087

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 27.3 17.8 26.6#

