

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011716\
 Data File : BF084534.D
 Acq On : 17 Jan 2016 14:21
 Operator : SJ/UM
 Sample : H1143-02 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

Quant Time: Jan 18 02:48:57 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	324985	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1201845	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	586511	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	939693	20.00	ng	-0.03
75) Chrysene-d12	13.96	240	658530	20.00	ng	-0.03
86) Perylene-d12	15.38	264	574267	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	388234	19.32	ng	-0.03
7) Phenol-d6	6.44	99	516936	20.49	ng	-0.03
23) Nitrobenzene-d5	7.37	82	308368	14.28	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	94934	16.03	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	448089	7.68	ng	-0.02
78) Terphenyl-d14	12.91	244	344115	11.66	ng	-0.03

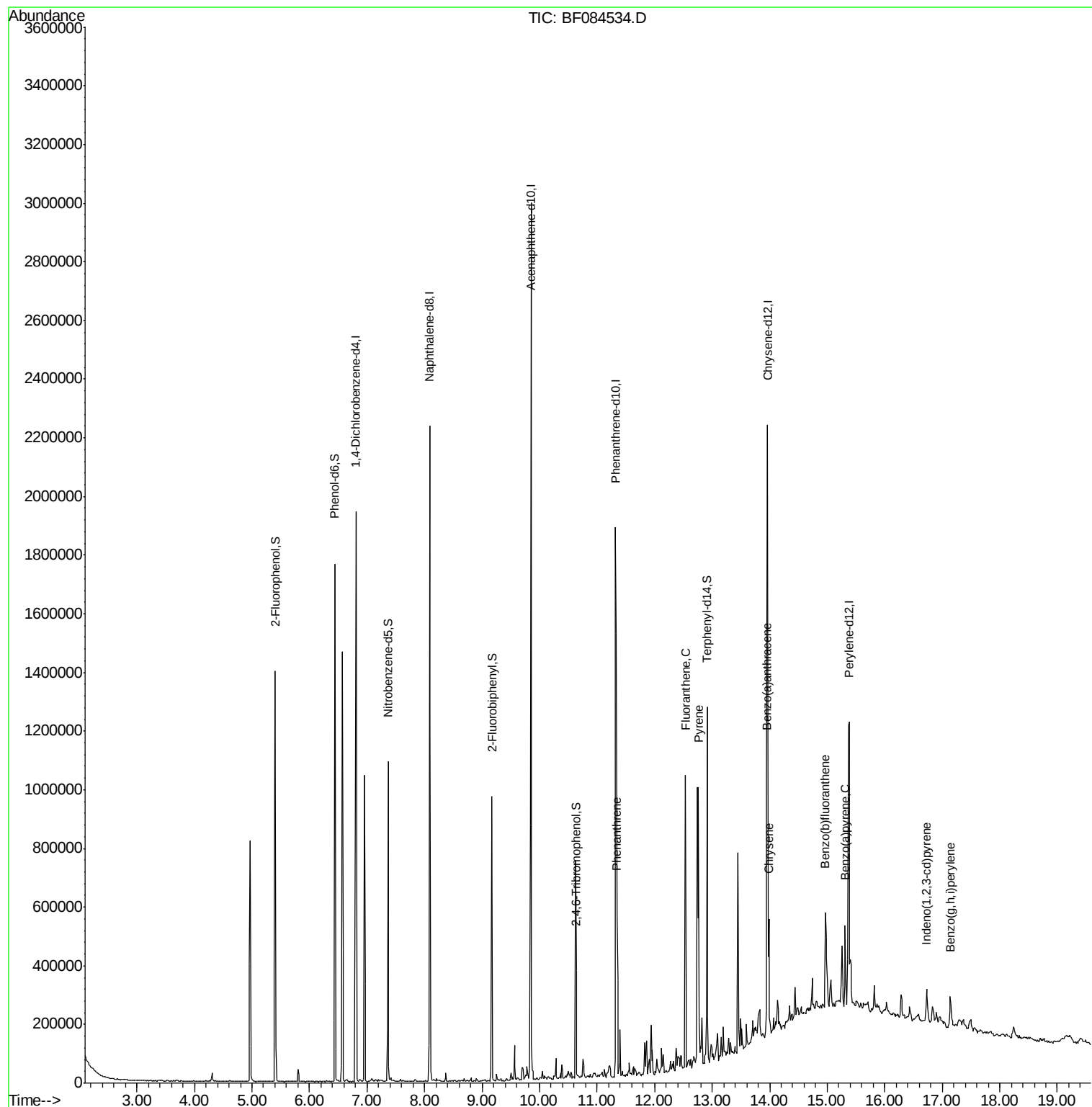
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	11.34	178	257445	5.24	ng	99
74) Fluoranthene	12.53	202	391744	7.63	ng	99
77) Pyrene	12.76	202	362288	7.01	ng	99
80) Benzo(a)anthracene	13.95	228	159711m	4.13	ng	
82) Chrysene	13.99	228	156100m	4.20	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	80981	2.75	ng	98
87) Benzo(b)fluoranthene	14.97	252	196254m	5.22	ng	
89) Benzo(a)pyrene	15.31	252	125776	3.95	ng	# 96
91) Benzo(g,h,i)perylene	17.14	276	83075	2.93	ng	96

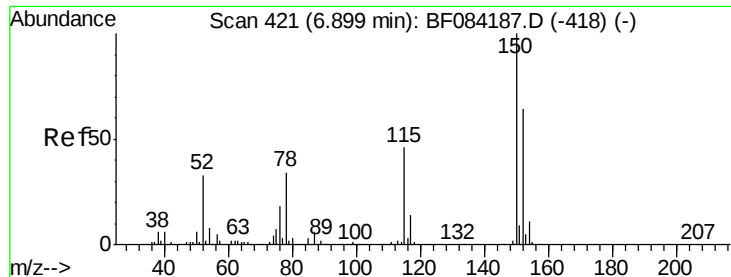
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 18 02:48:57 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
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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: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

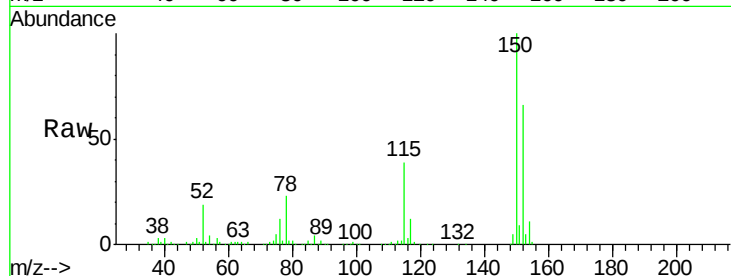
Tot Ion:152 Resp: 324985

Ion Ratio Lower Upper

152 100

150 152.5 123.0 184.4

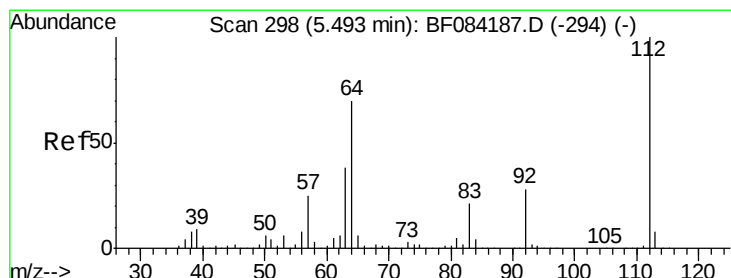
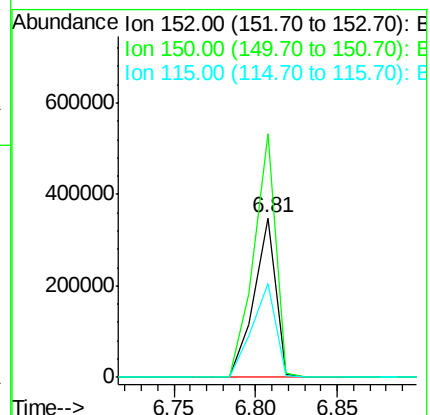
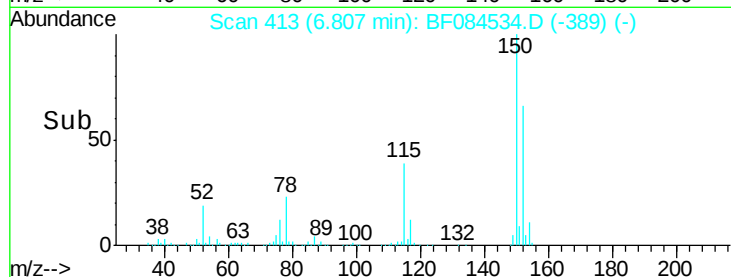
115 59.1 51.4 77.2



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: 19.32 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

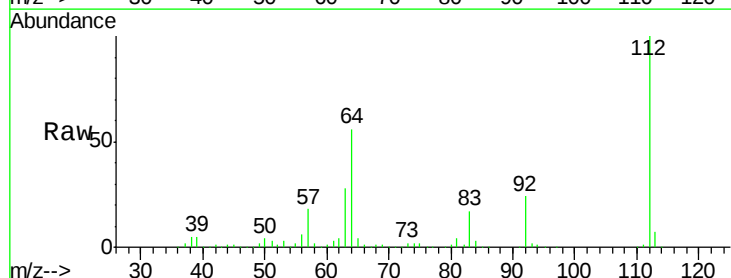
Tgt Ion:112 Resp: 388234

Ion Ratio Lower Upper

112 100

64 56.0 36.6 55.0#

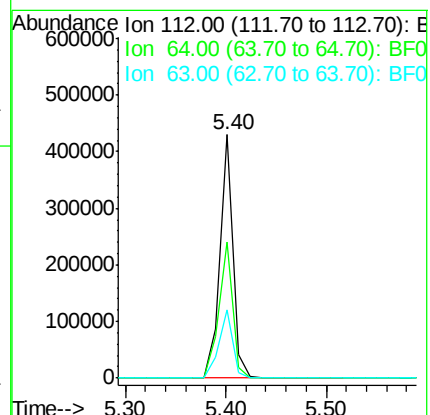
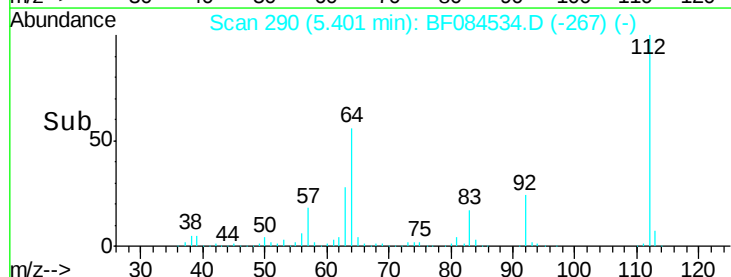
63 28.1 19.4 29.0

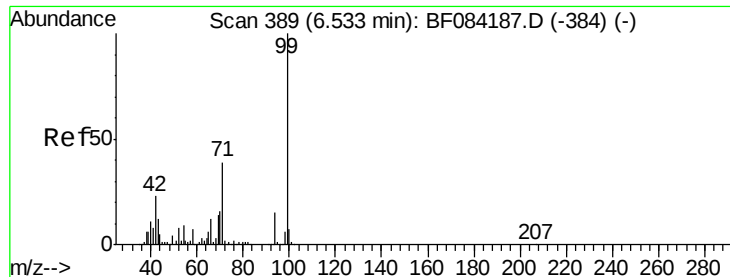


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.49 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

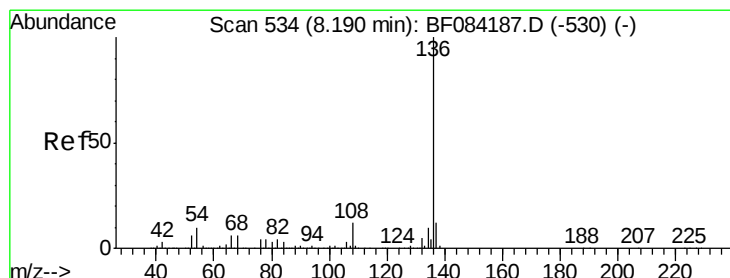
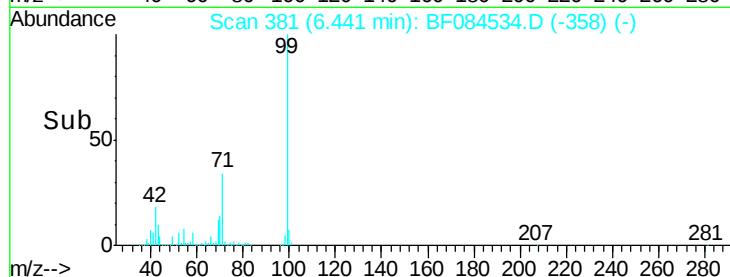
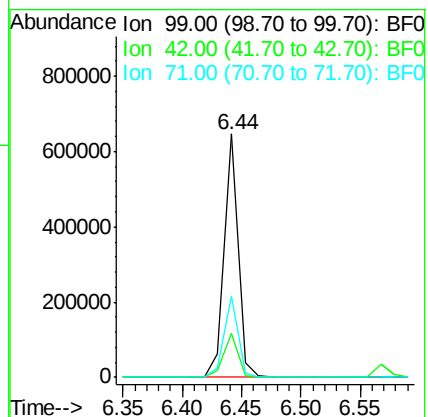
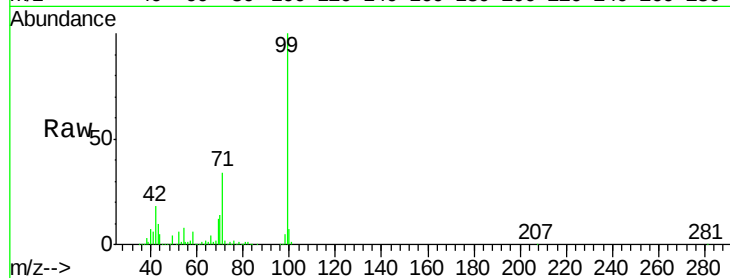
Tot Ion: 99 Resp: 516936

Ion Ratio Lower Upper

99 100

42 18.1 12.8 19.2

71 33.5 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: BF084534.D

Acq: 17 Jan 2016 14:21

Tgt Ion: 136 Resp: 1201845

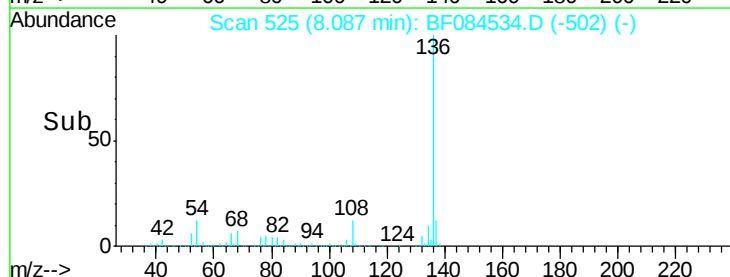
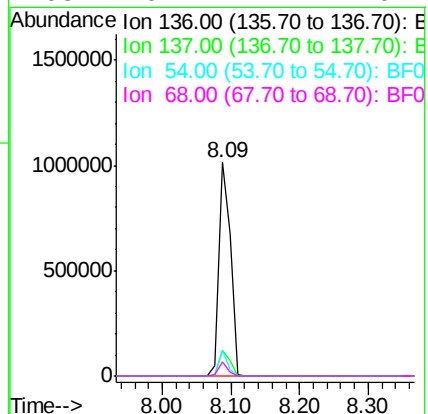
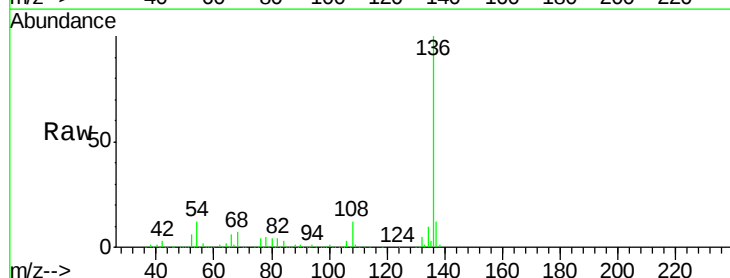
Ion Ratio Lower Upper

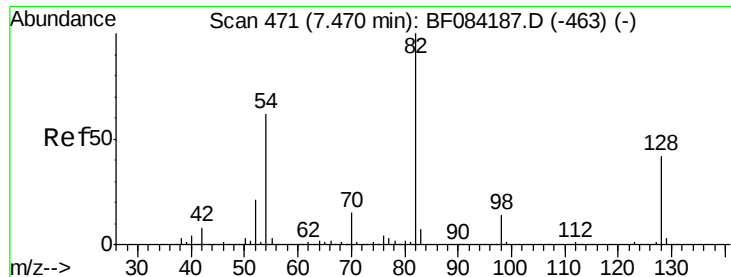
136 100

137 11.9 8.7 13.1

54 11.8 5.8 8.8#

68 6.7 4.2 6.2#

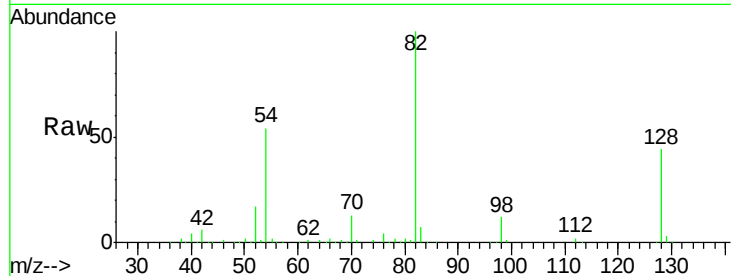




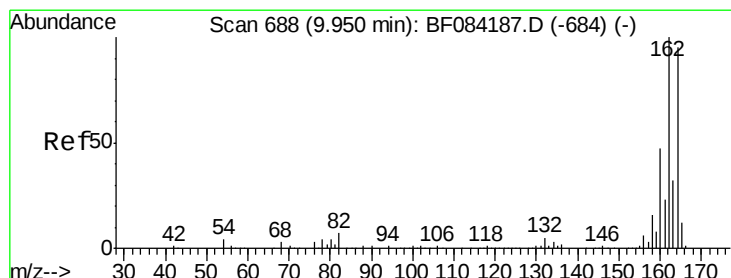
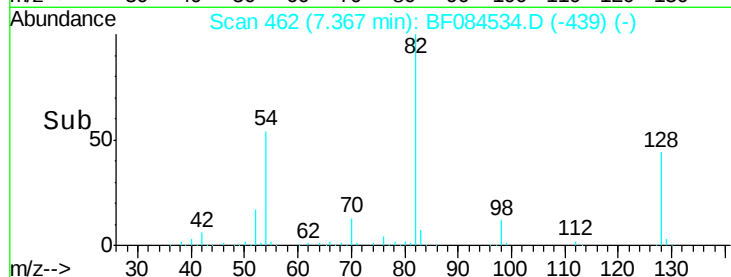
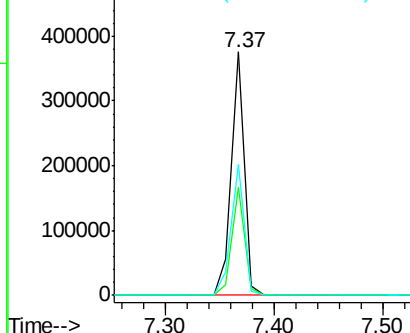
#23
 Nitrobenzene-d5
 Concen: 14.28 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

Tot Ion	82	Resp	308368
Ion Ratio	100	Lower	Upper
128	44.1	34.6	51.8
54	53.8	38.4	57.6

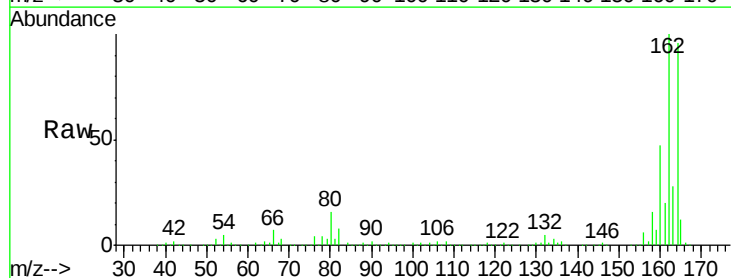


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

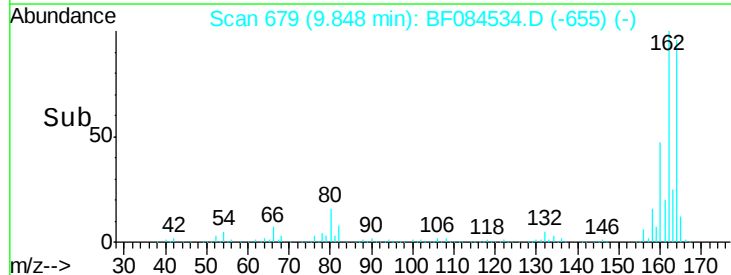
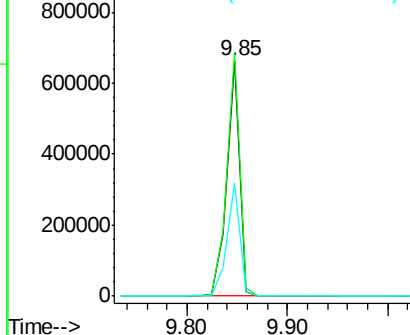


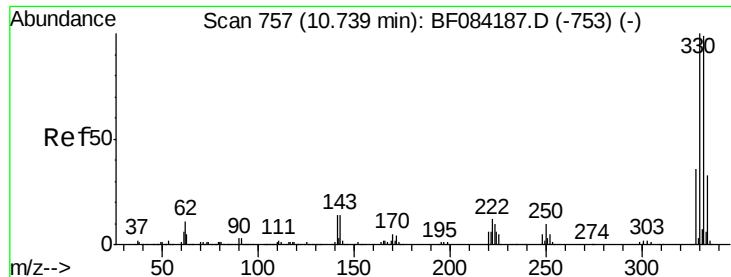
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Tgt Ion	164	Resp	586511
Ion Ratio	100	Lower	Upper
162	103.8	85.1	127.7
160	48.3	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

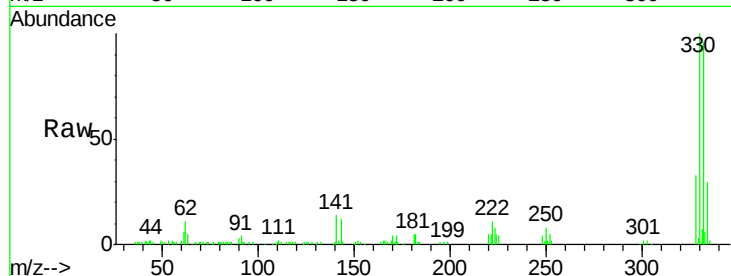




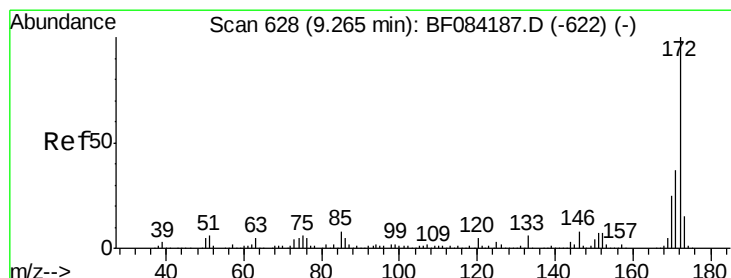
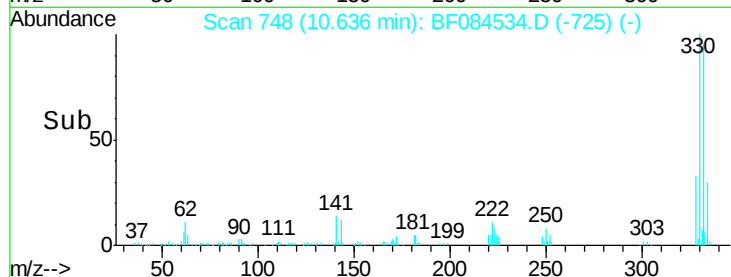
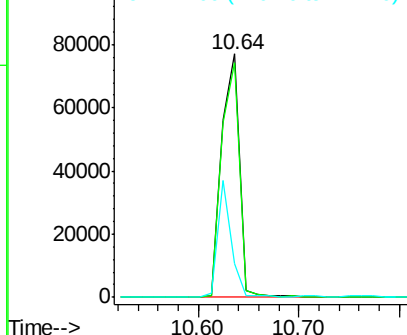
#41
 2,4,6-Tribromophenol
 Concen: 16.03 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.03 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

Tot Ion:330 Resp: 94934
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 36.9 27.8 41.6

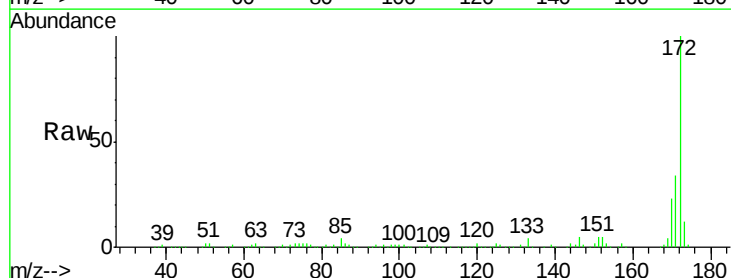


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

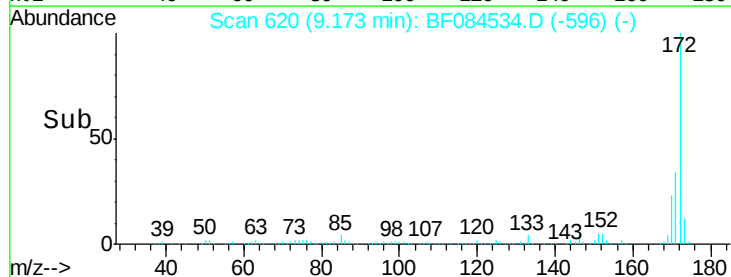
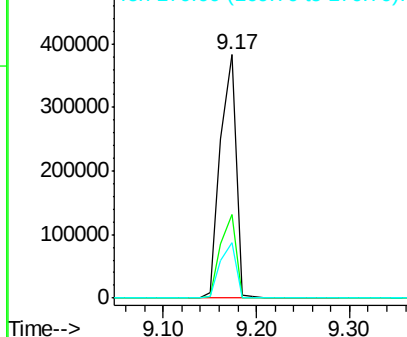


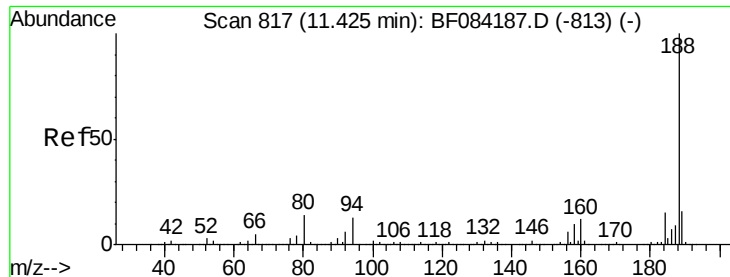
#44
 2-Fluorobiphenyl
 Concen: 7.68 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Tgt Ion:172 Resp: 448089
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.9 43.3
 170 22.8 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

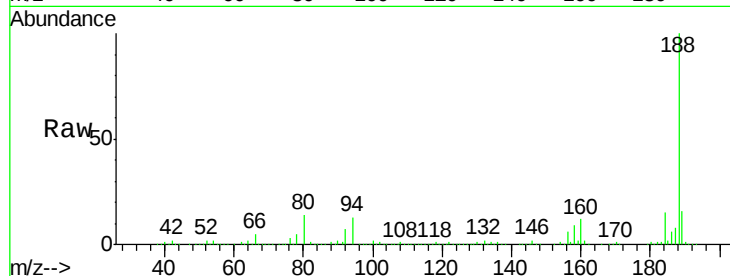




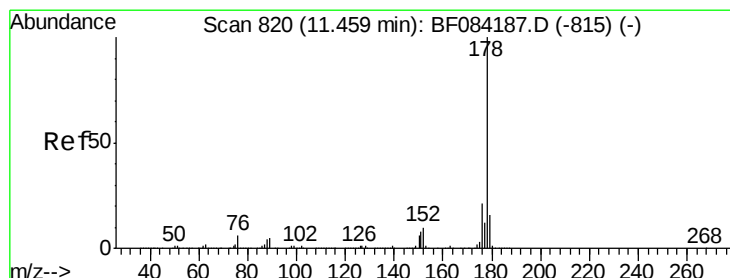
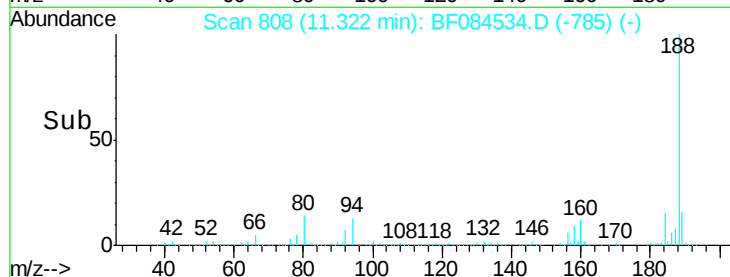
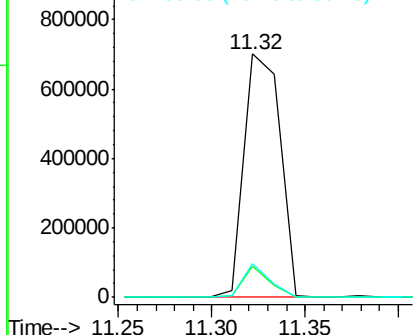
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tot Ion:188 Resp: 939693
Ion Ratio Lower Upper
188 100
94 12.9 9.0 13.4
80 13.8 9.6 14.4

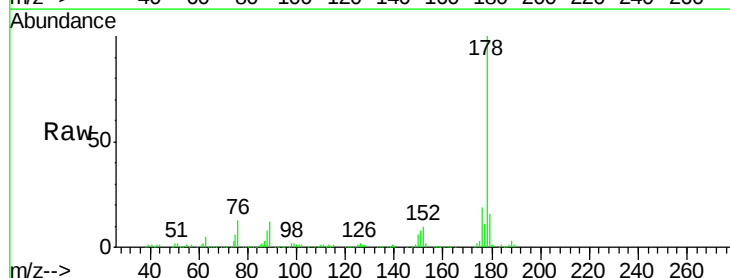


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

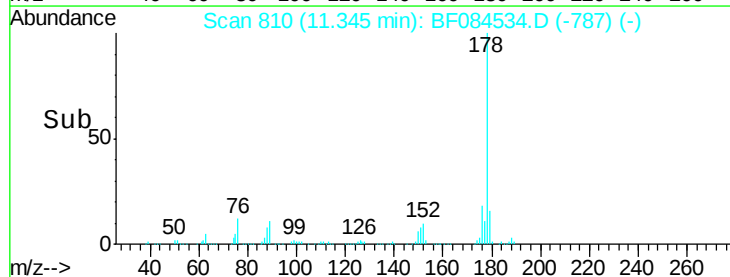
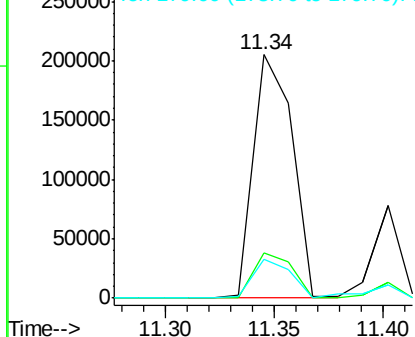


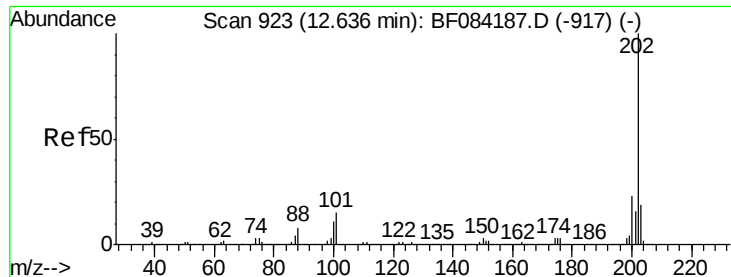
#70
Phenanthrene
Concen: 5.24 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Tgt Ion:178 Resp: 257445
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.8 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: 7.63 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

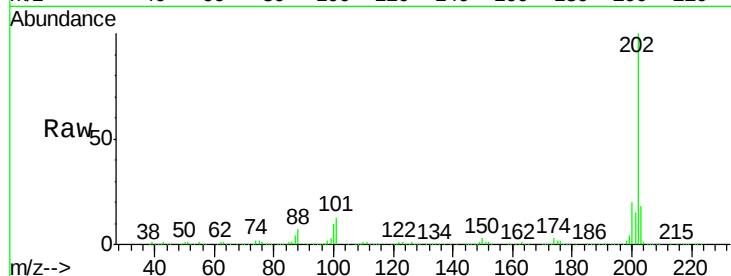
Tot Ion:202 Resp: 391744

Ion Ratio Lower Upper

202 100

101 13.5 0.0 32.8

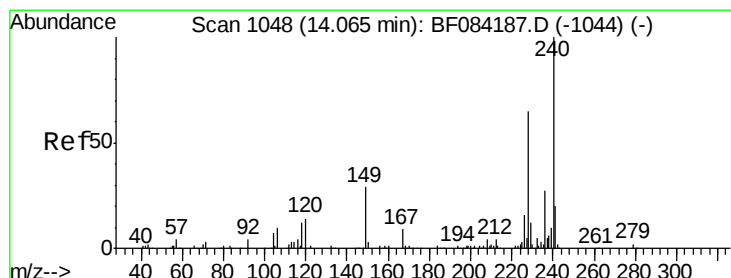
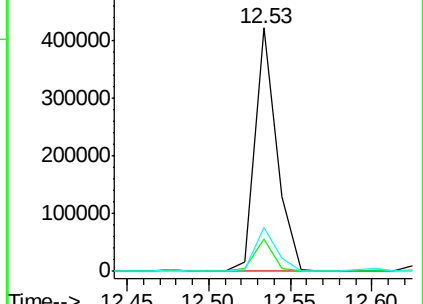
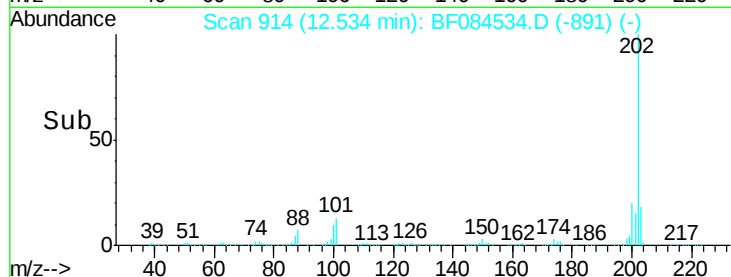
203 17.9 0.0 37.9



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: BF084534.D

Acq: 17 Jan 2016 14:21

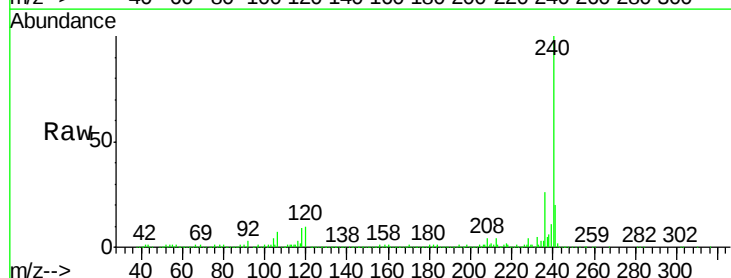
Tgt Ion:240 Resp: 658530

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

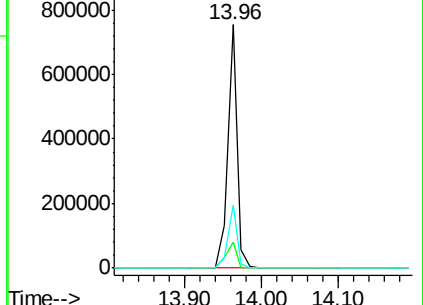
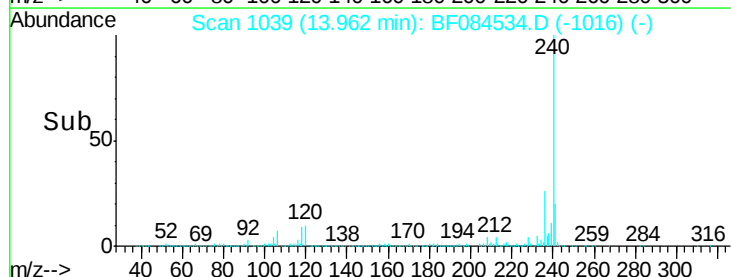
236 26.2 20.6 31.0

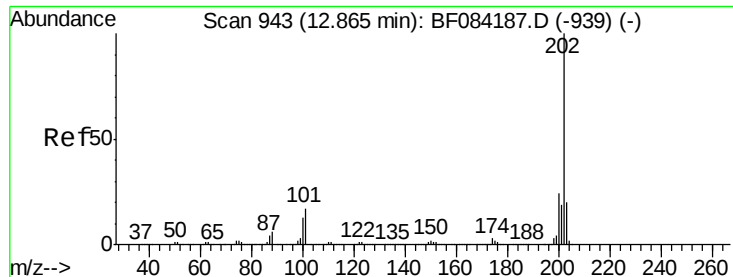


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.01 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

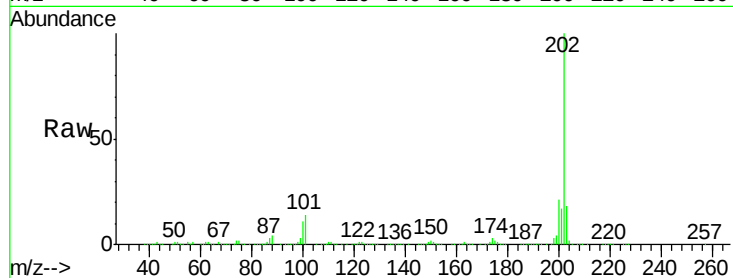
Tot Ion:202 Resp: 362288

Ion Ratio Lower Upper

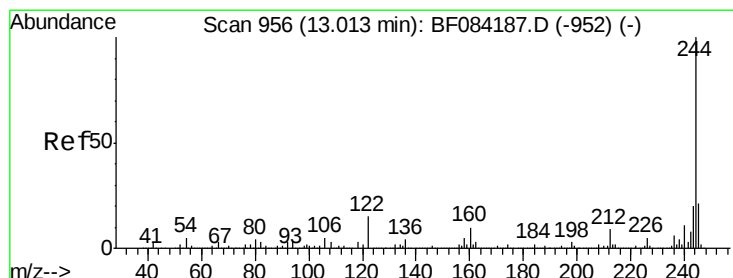
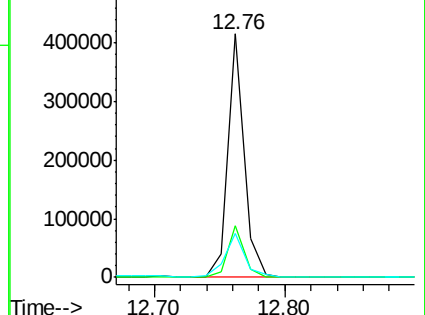
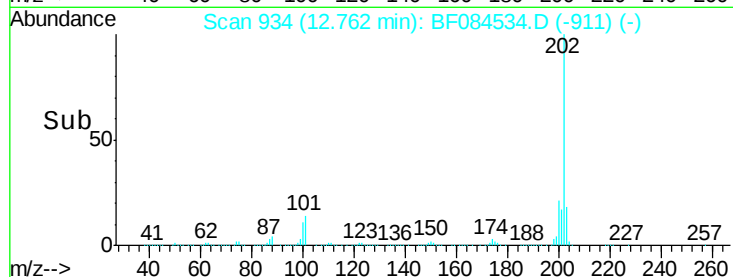
202 100

200 21.3 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: 11.66 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

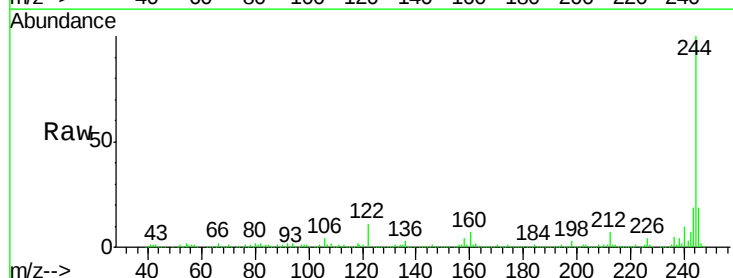
Tgt Ion:244 Resp: 344115

Ion Ratio Lower Upper

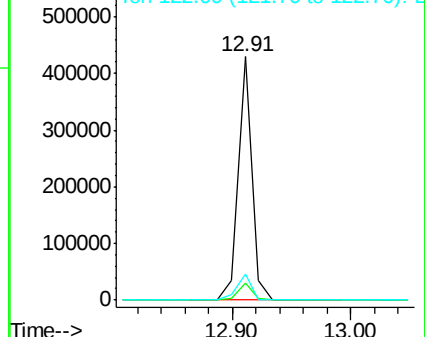
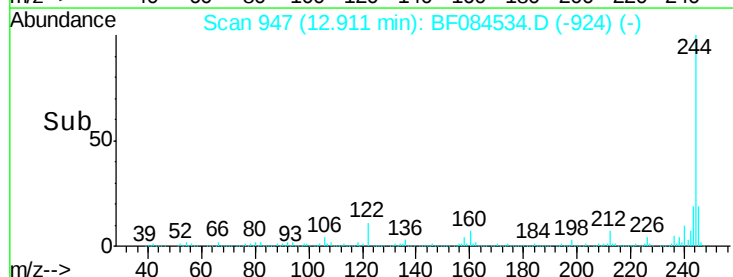
244 100

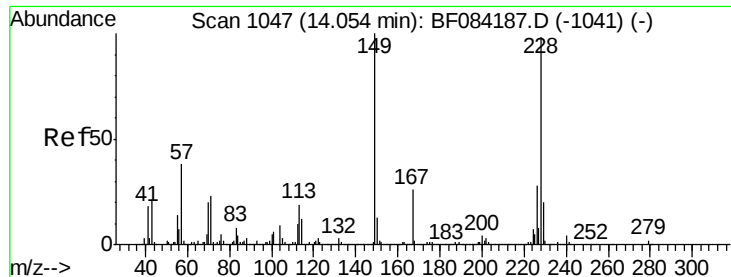
212 7.0 5.7 8.5

122 10.7 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: 4.13 ng m

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

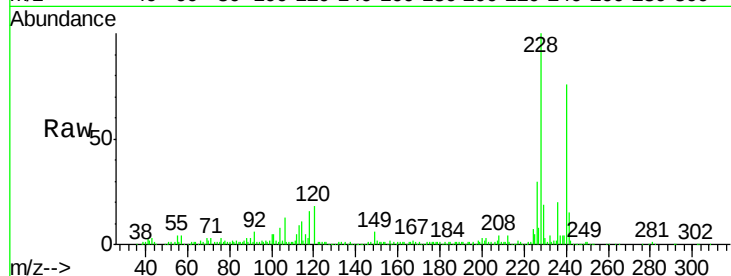
Tot Ion:228 Resp: 159711

Ion Ratio Lower Upper

228 100

226 29.9 21.8 32.6

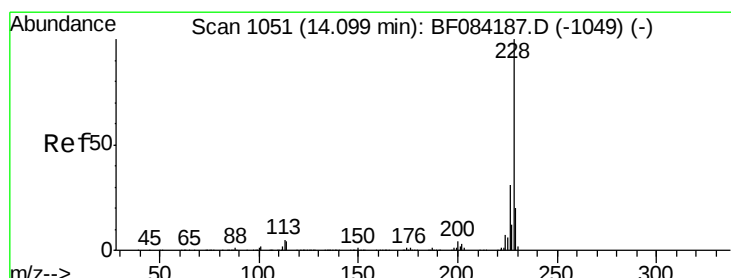
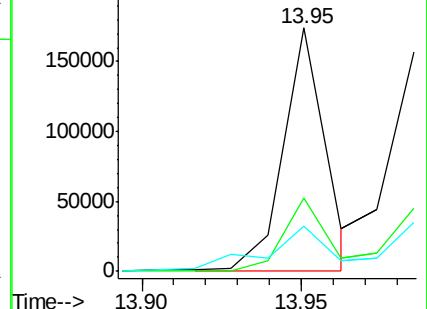
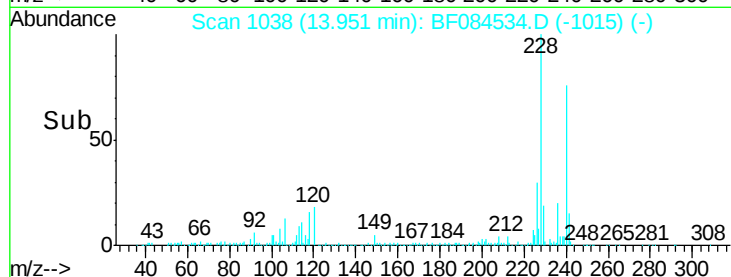
229 18.8 15.8 23.8



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: 4.20 ng m

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

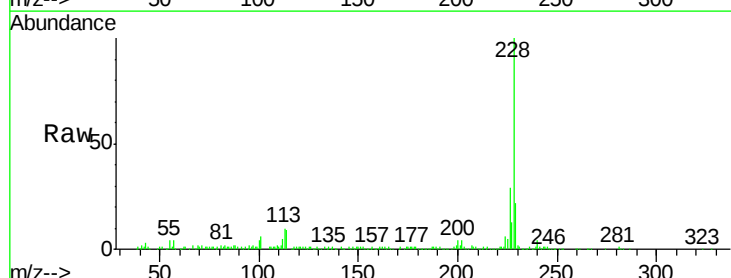
Tgt Ion:228 Resp: 156100

Ion Ratio Lower Upper

228 100

226 28.9 24.3 36.5

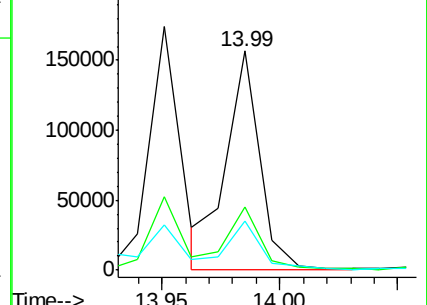
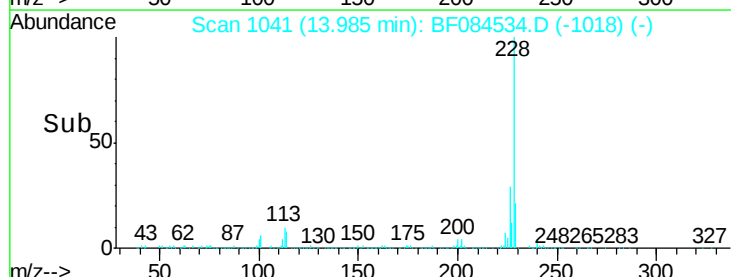
229 22.1 16.1 24.1

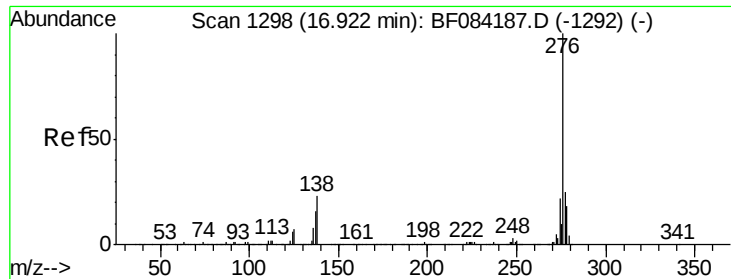


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

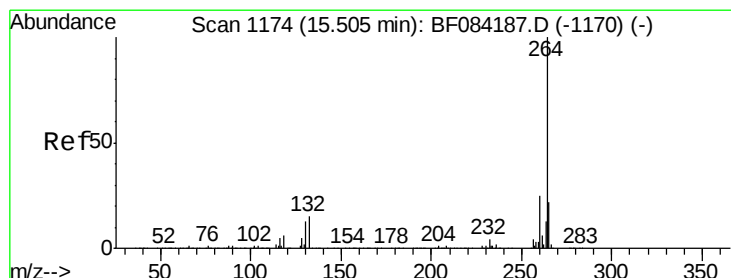
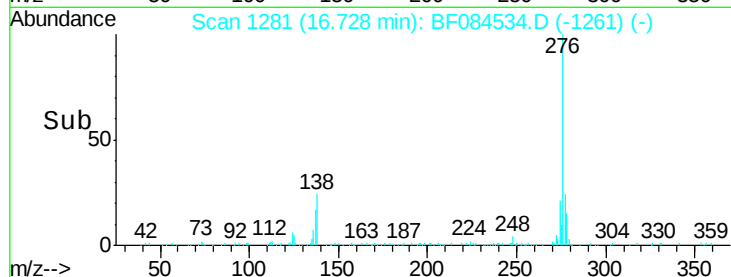
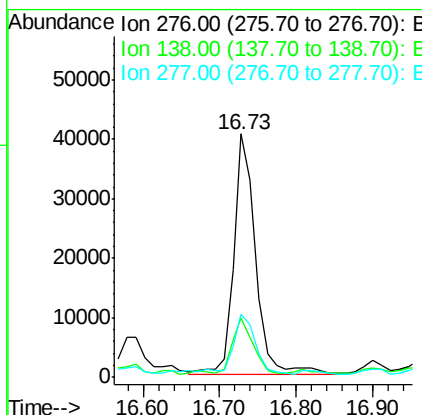
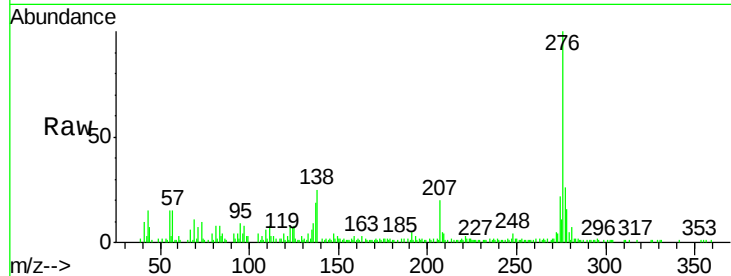




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.75 ng
RT: 16.73 min Scan# 1281
Delta R.T. -0.07 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

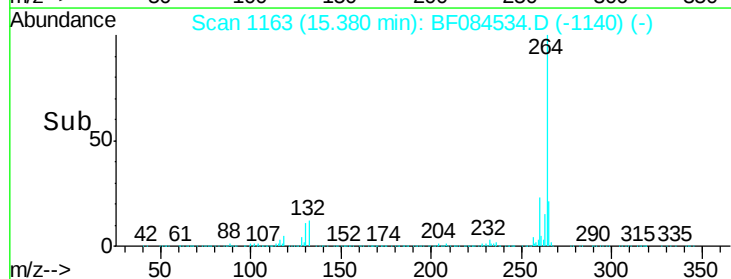
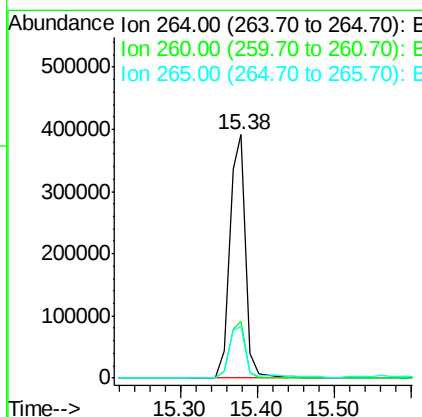
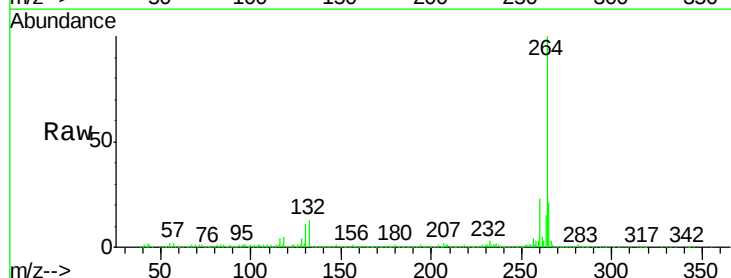
Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

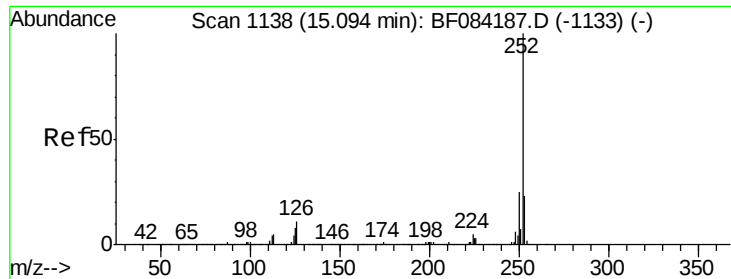
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.6	30.8
277	25.2	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.2
265	21.4	17.8	26.6

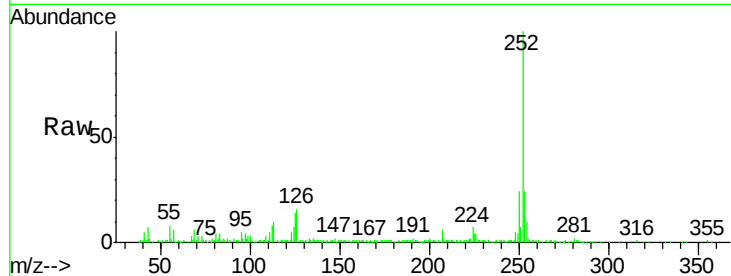




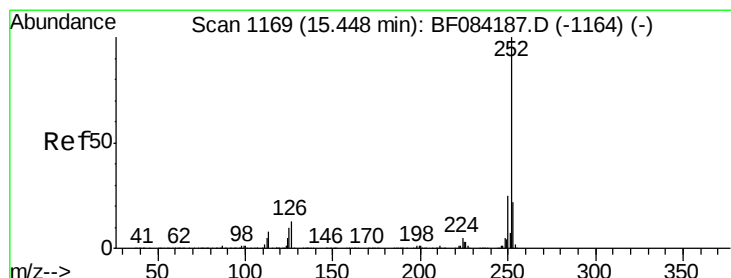
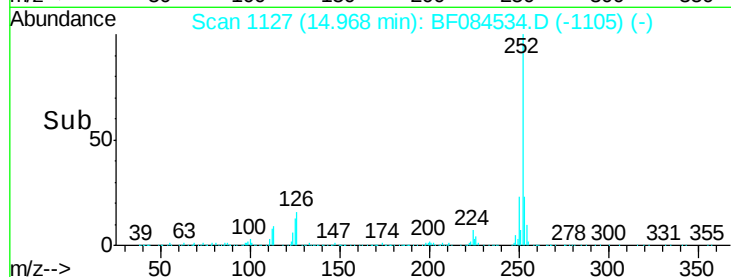
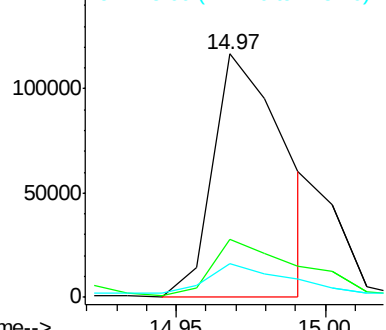
#87
Benzo(b)fluoranthene
Concen: 5.22 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tot Ion:252 Resp: 196254
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 14.1 6.5 9.7#

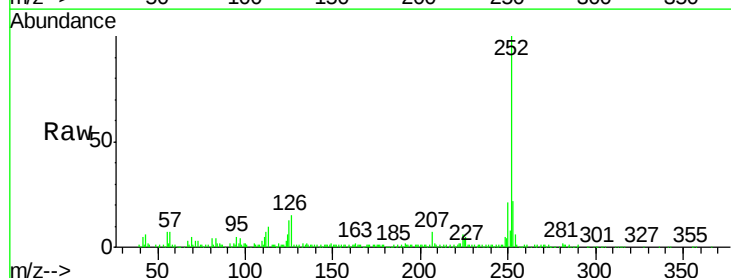


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

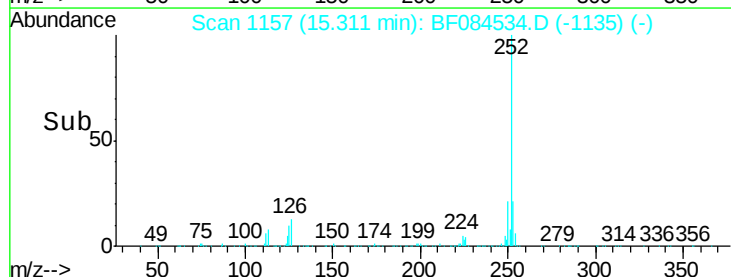
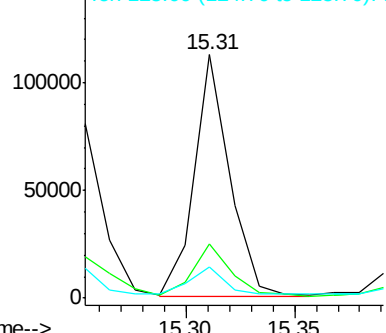


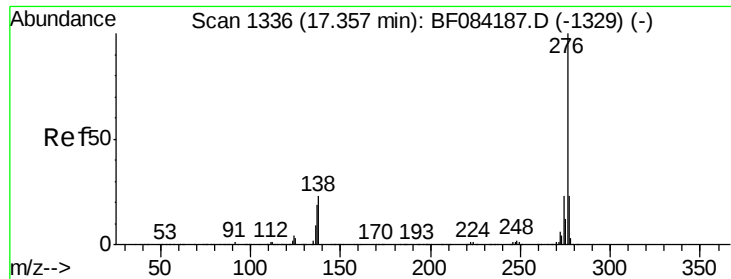
#89
Benzo(a)pyrene
Concen: 3.95 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Tgt Ion:252 Resp: 125776
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 12.7 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: 2.93 ng
 RT: 17.14 min Scan# 1317
 Delta R.T. -0.08 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	24.6	17.8	26.6

