

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084525.D
 Acq On : 16 Jan 2016 7:41
 Operator : SJ/UM
 Sample : H1143-02 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Jan 18 00:41:11 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

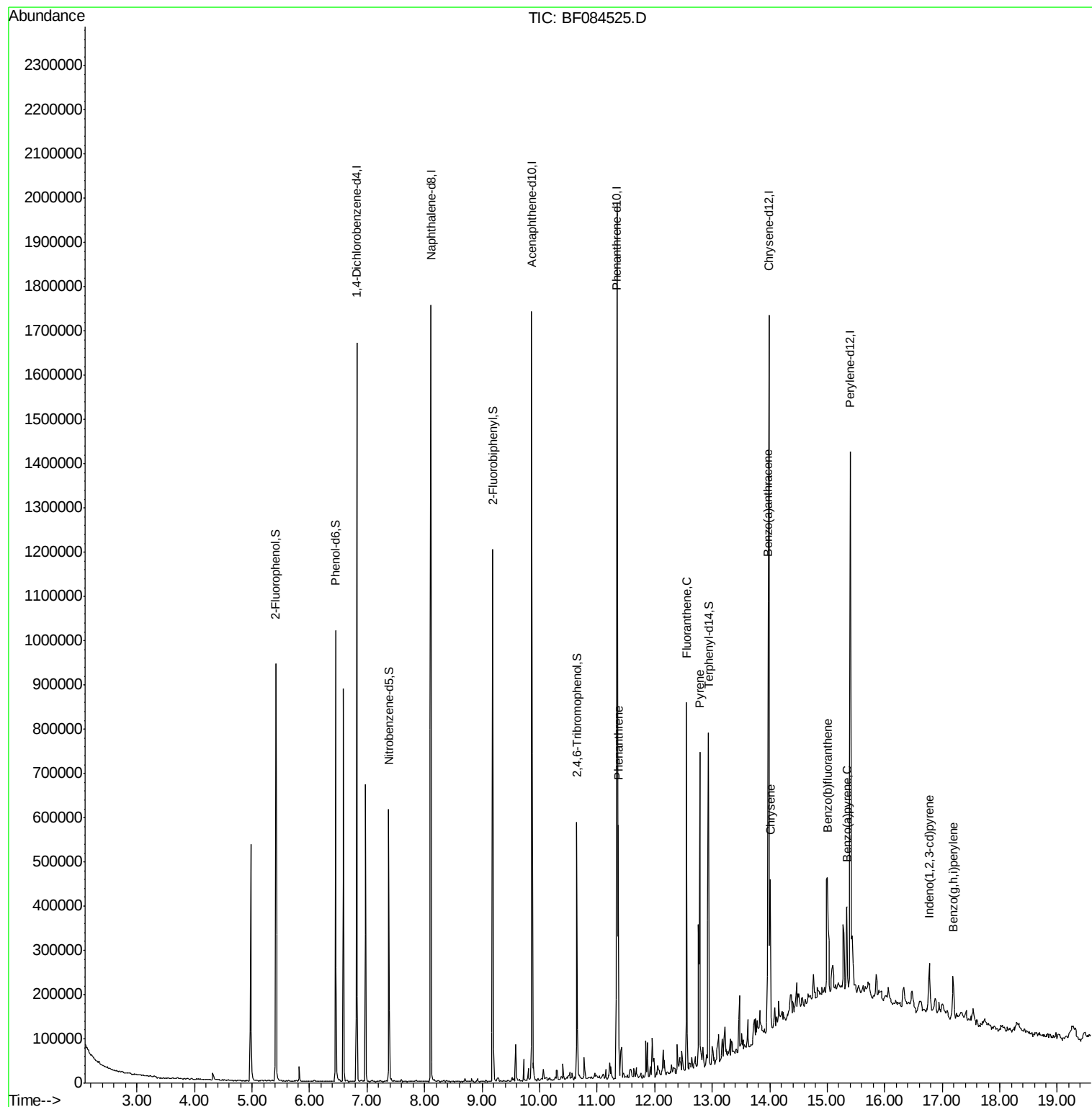
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	226654	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	901852	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	373757	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	673683	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	579075	20.00	ng	-0.01
86) Perylene-d12	15.40	264	542928	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	272495	19.45	ng	-0.02
7) Phenol-d6	6.45	99	337300	19.17	ng	-0.02
23) Nitrobenzene-d5	7.38	82	190357	11.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	66056	17.51	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	340938	10.50	ng	-0.01
78) Terphenyl-d14	12.93	244	251765	9.70	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.37	178	196827	5.59	ng	99
74) Fluoranthene	12.56	202	311587	8.46	ng	97
77) Pyrene	12.78	202	283711	6.24	ng	98
80) Benzo(a)anthracene	13.97	228	139977m	4.12	ng	
82) Chrysene	14.01	228	135025m	4.13	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	72045	2.78	ng	100
87) Benzo(b)fluoranthene	15.00	252	173041m	4.87	ng	
89) Benzo(a)pyrene	15.35	252	120527	4.00	ng	# 92
91) Benzo(g,h,i)perylene	17.19	276	74675	2.78	ng	95

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

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Quant Time: Jan 18 00:41:11 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: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

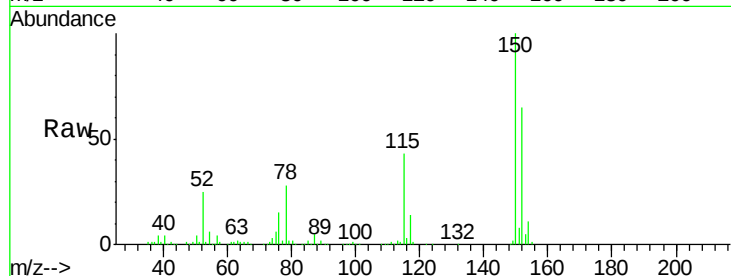
Tot Ion:152 Resp: 226654

Ion Ratio Lower Upper

152 100

150 154.4 123.0 184.4

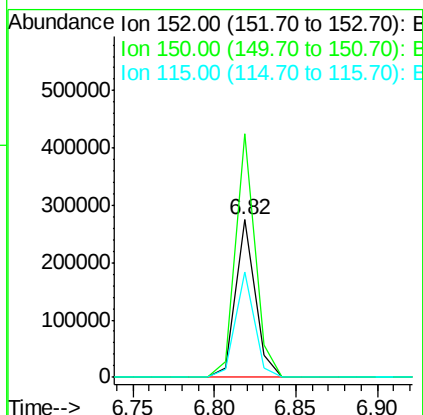
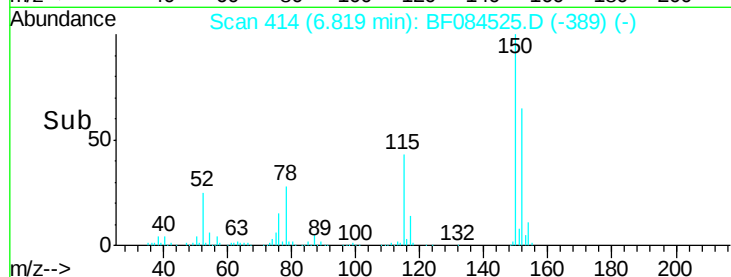
115 66.8 51.4 77.2



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: 19.45 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.02 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

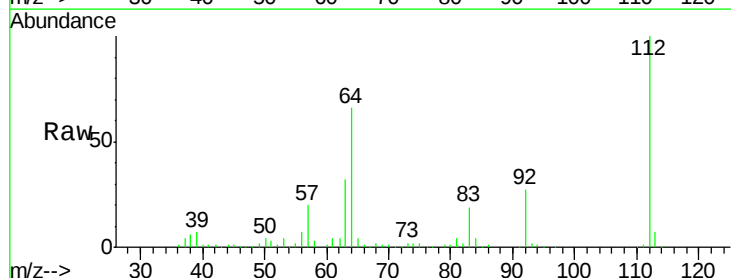
Tgt Ion:112 Resp: 272495

Ion Ratio Lower Upper

112 100

64 65.6 36.6 55.0#

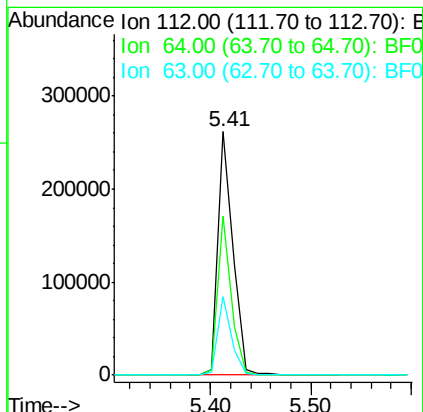
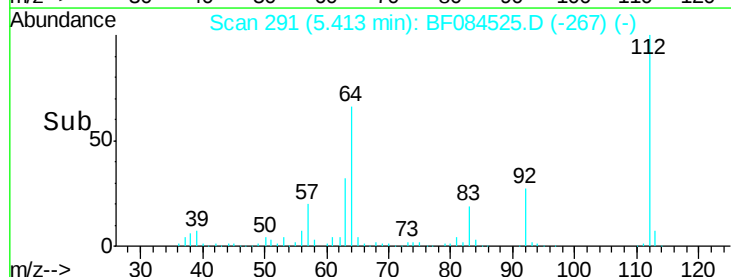
63 32.0 19.4 29.0#



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: 19.17 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

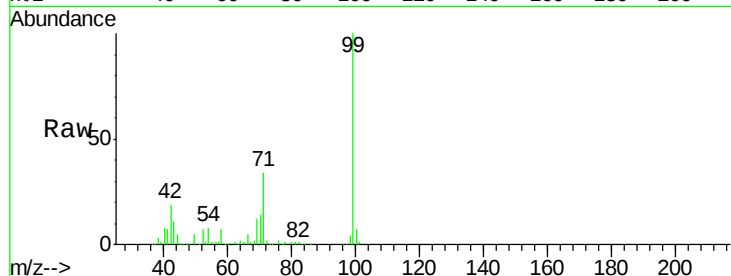
Tot Ion: 99 Resp: 337300

Ion Ratio Lower Upper

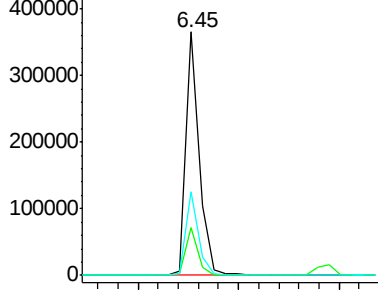
99 100

42 19.5 12.8 19.2#

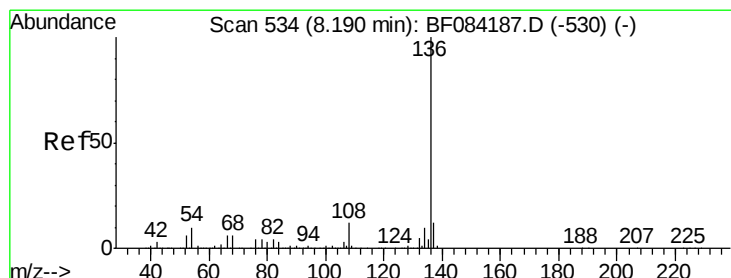
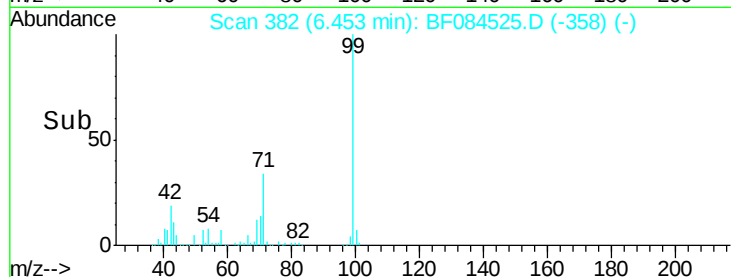
71 34.2 30.9 46.3



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



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Tgt Ion: 136 Resp: 901852

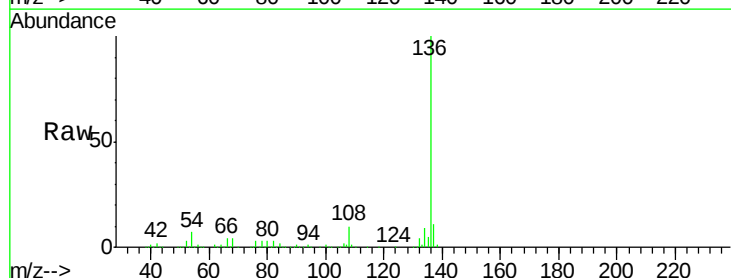
Ion Ratio Lower Upper

136 100

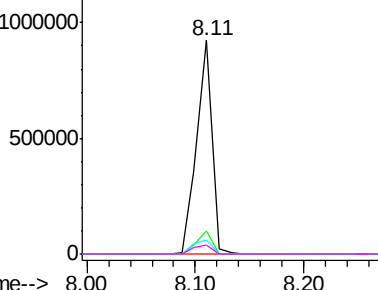
137 10.9 8.7 13.1

54 6.8 5.8 8.8

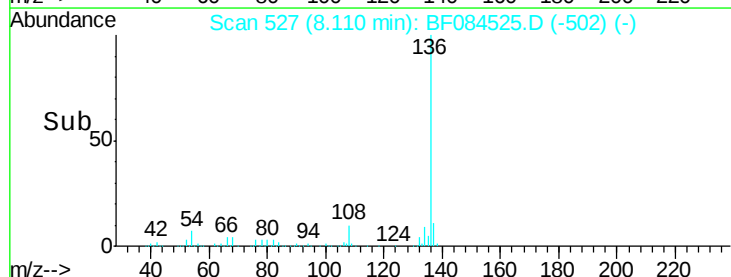
68 4.3 4.2 6.2

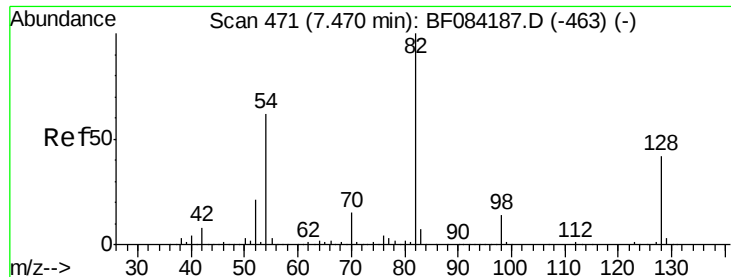


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



Time-->

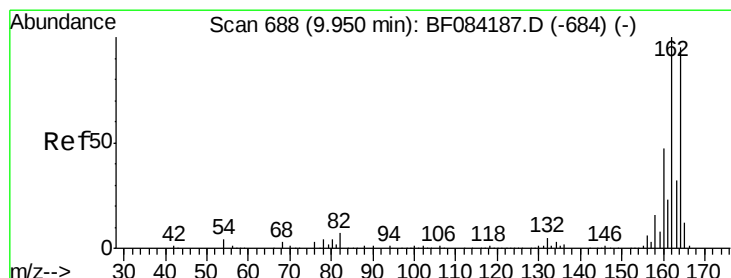
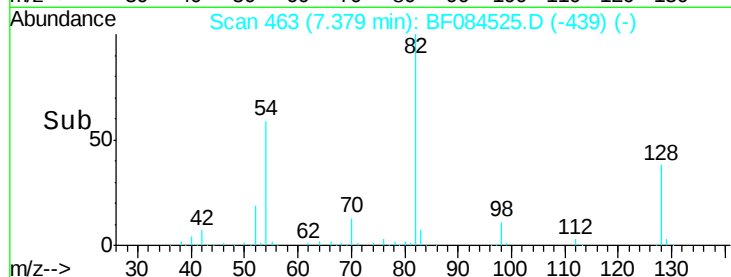
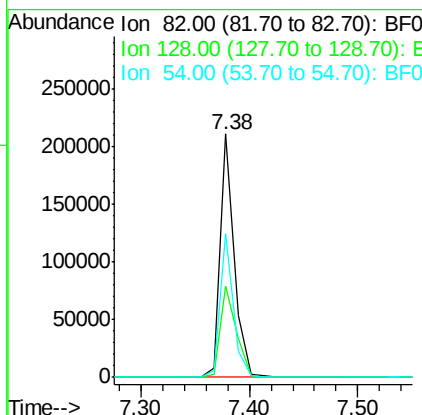
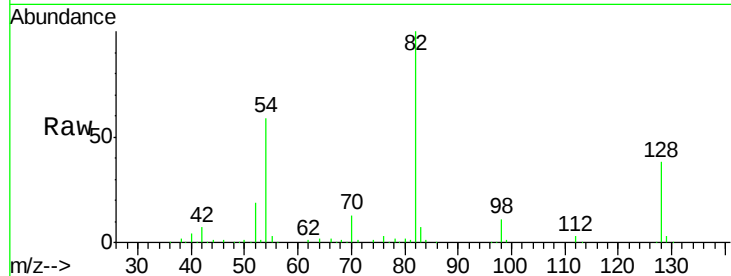




#23
 Nitrobenzene-d5
 Concen: 11.75 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.02 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

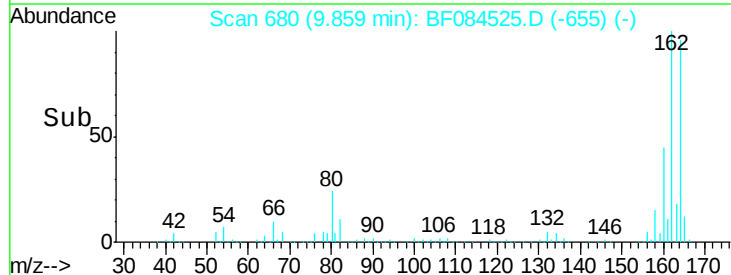
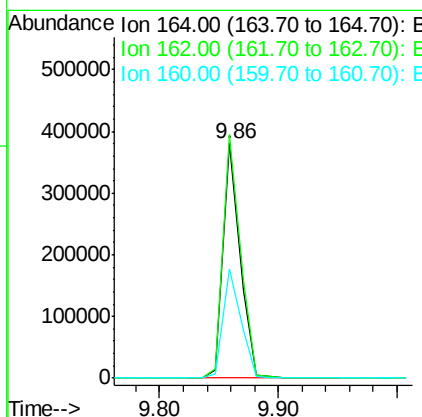
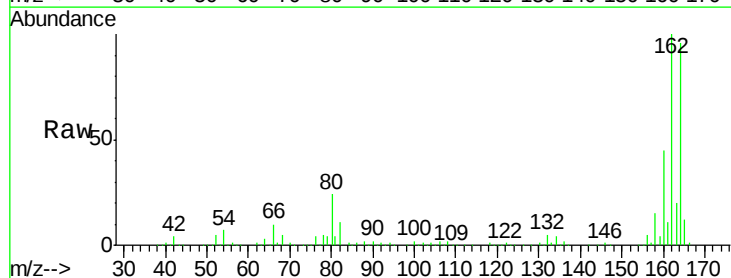
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

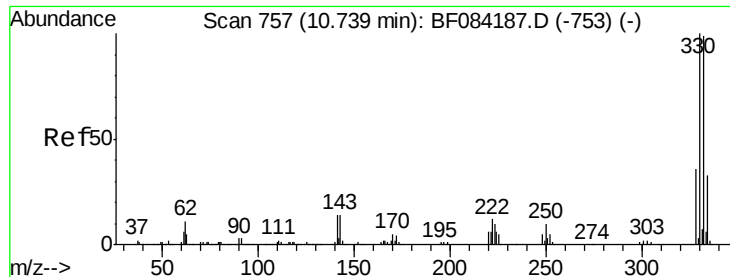
Tot Ion	82	Resp	190357
Ion Ratio	100	Lower	Upper
128	37.6	34.6	51.8
54	59.1	38.4	57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

Tgt Ion	164	Resp	373757
Ion Ratio	100	Lower	Upper
162	104.0	85.1	127.7
160	46.8	37.5	56.3

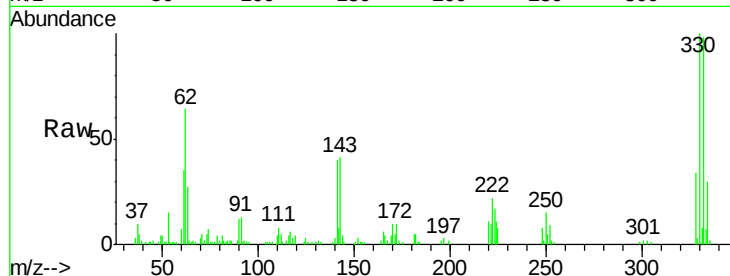




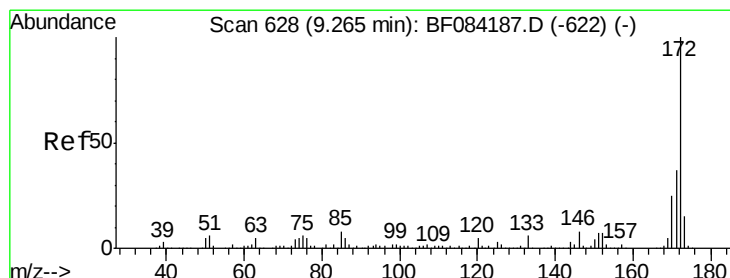
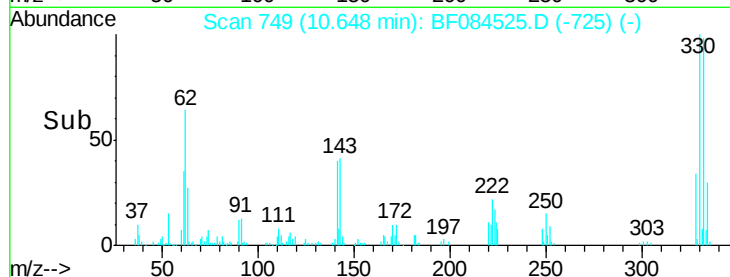
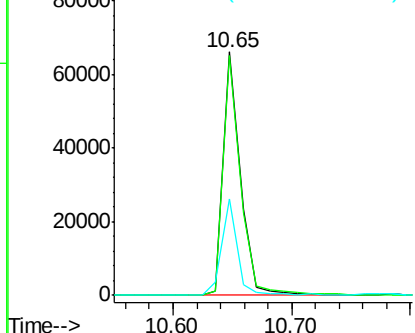
#41
 2,4,6-Tribromophenol
 Concen: 17.51 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.02 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.6	114.8
141	35.7	27.8	41.6

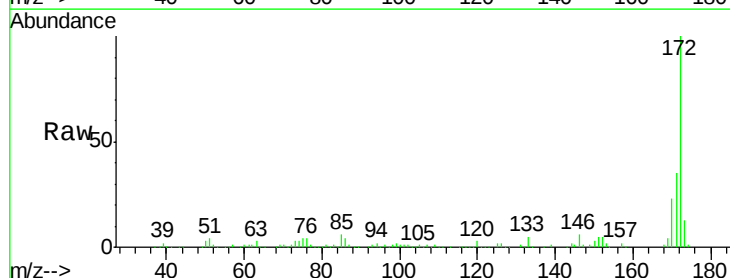


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

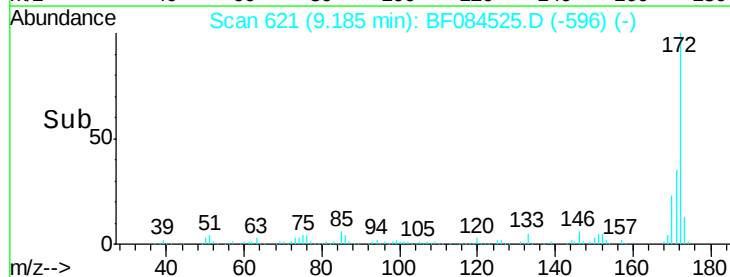
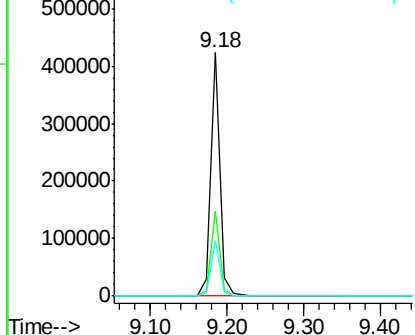


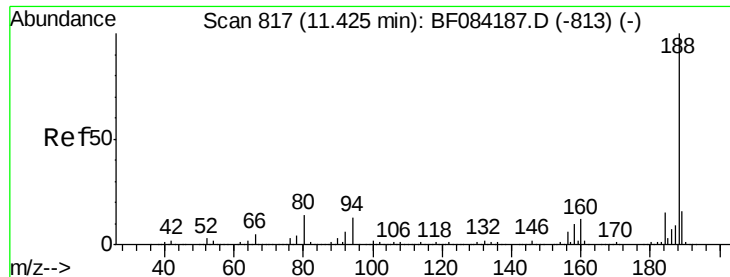
#44
 2-Fluorobiphenyl
 Concen: 10.50 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	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

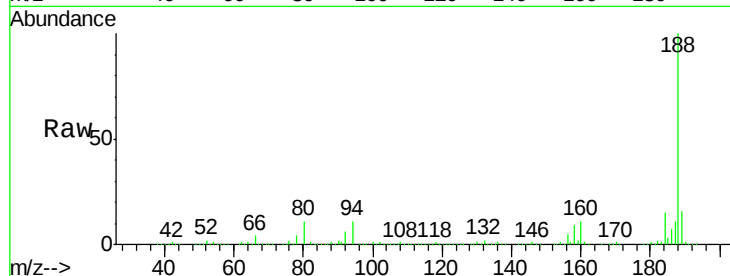




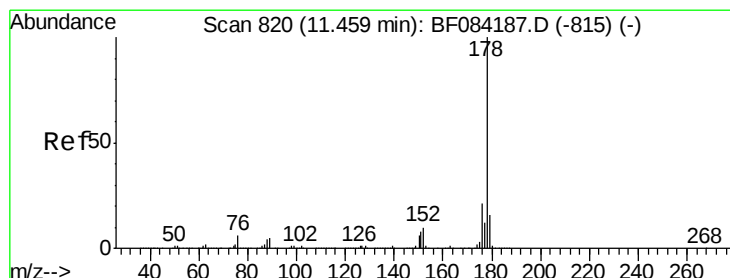
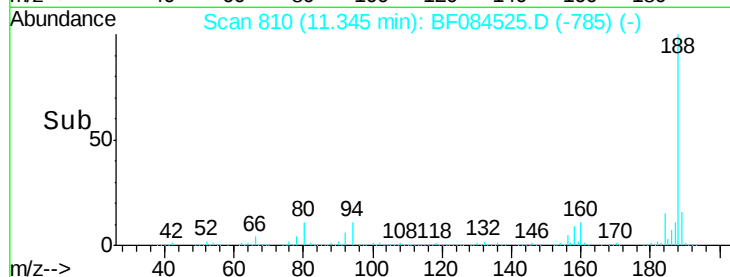
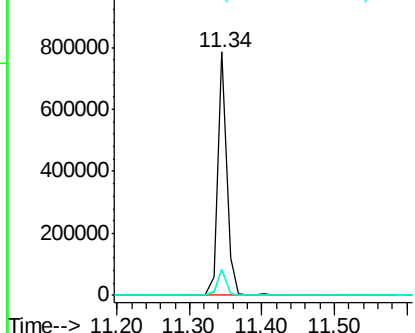
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
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ClientSampleId :
POST-EX-7-20160114

Tot Ion:188 Resp: 673683
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.4
80 10.9 9.6 14.4

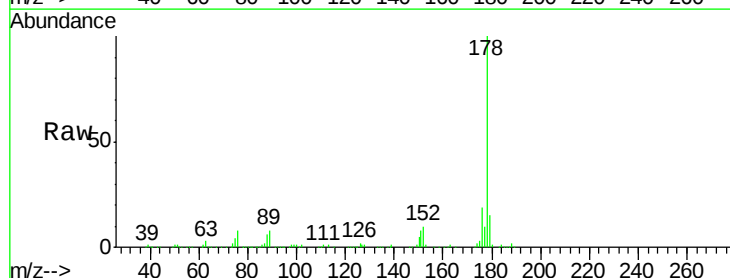


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

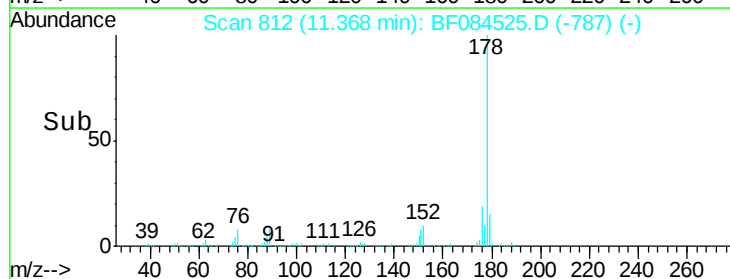
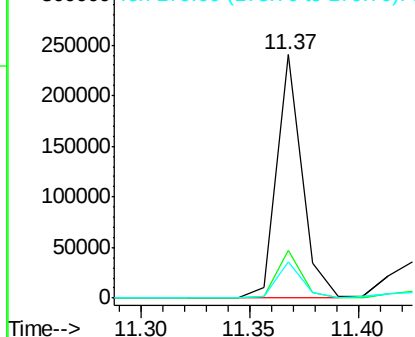


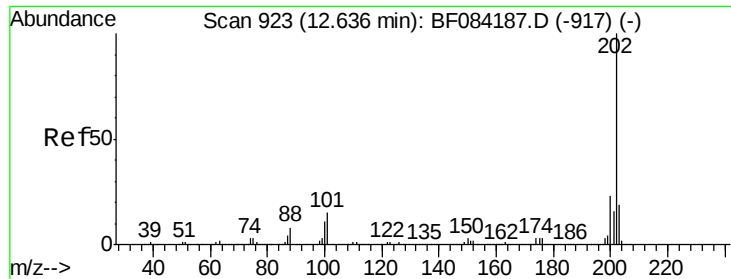
#70
Phenanthrene
Concen: 5.59 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:178 Resp: 196827
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 14.9 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: 8.46 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

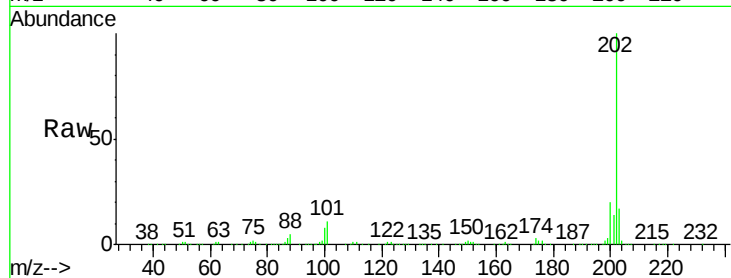
Tot Ion:202 Resp: 311587

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.8

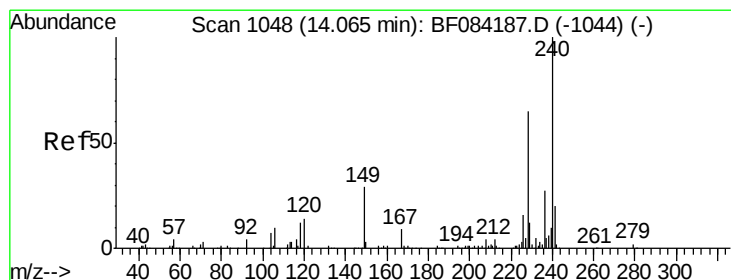
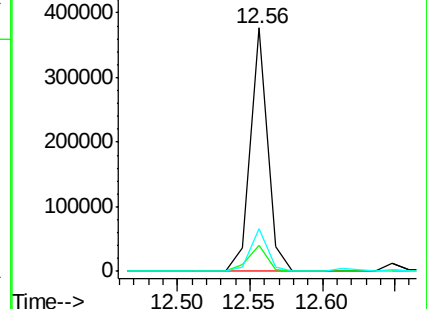
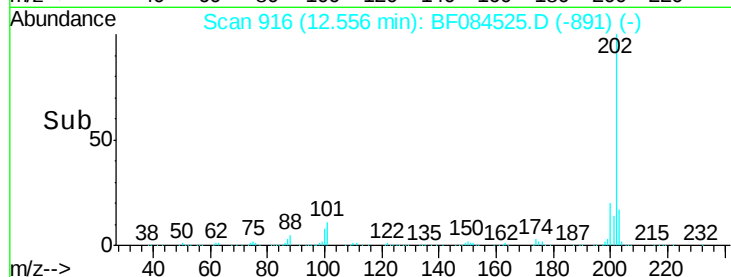
203 17.5 0.0 37.9



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: BF084525.D

Acq: 16 Jan 2016 7:41

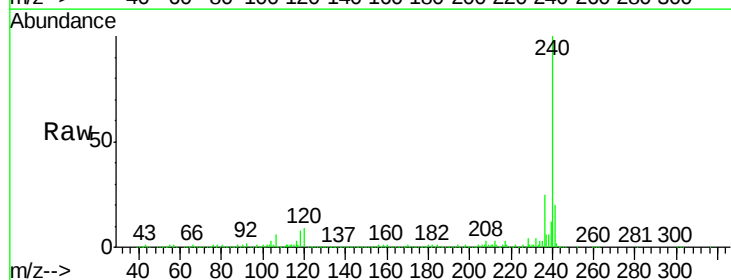
Tgt Ion:240 Resp: 579075

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

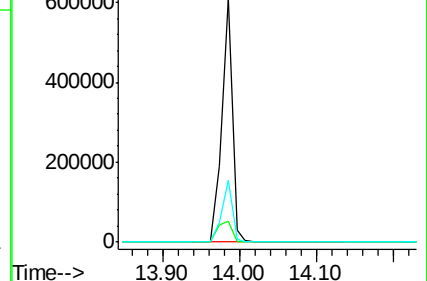
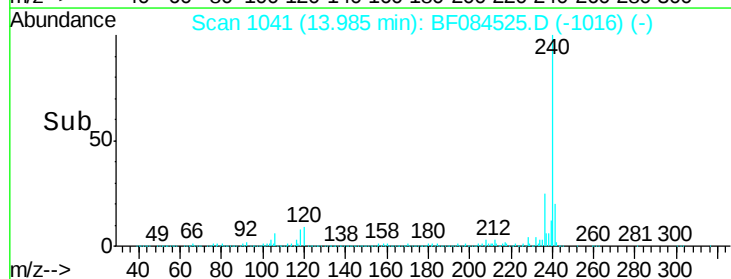
236 25.2 20.6 31.0

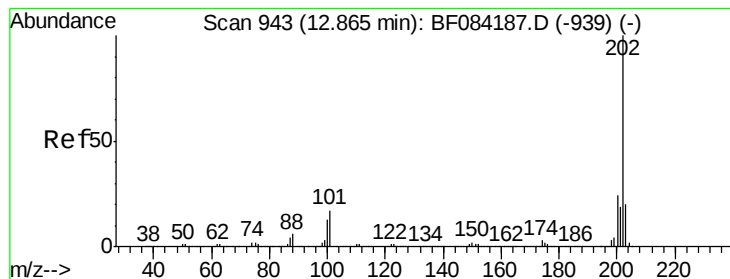


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.24 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

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POST-EX-7-20160114

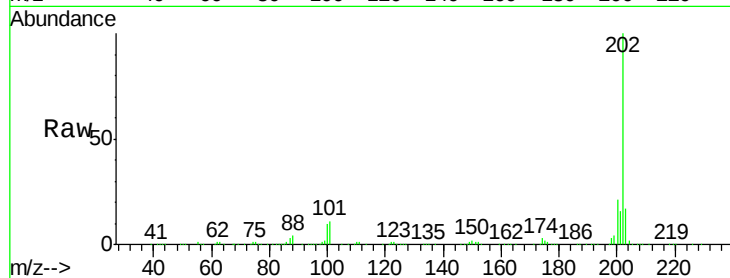
Tot Ion:202 Resp: 283711

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

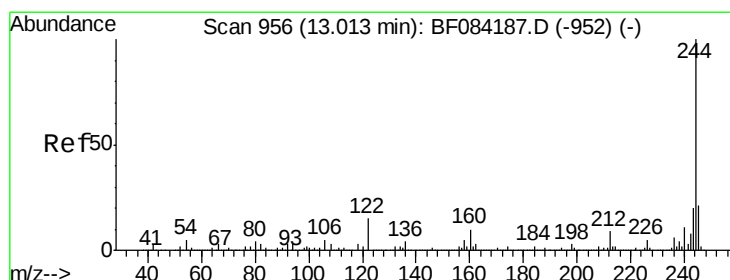
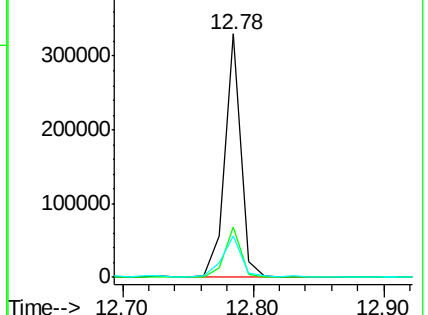
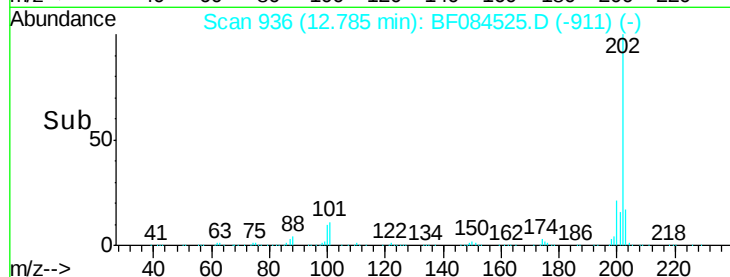
203 17.2 14.3 21.5



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: 9.70 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

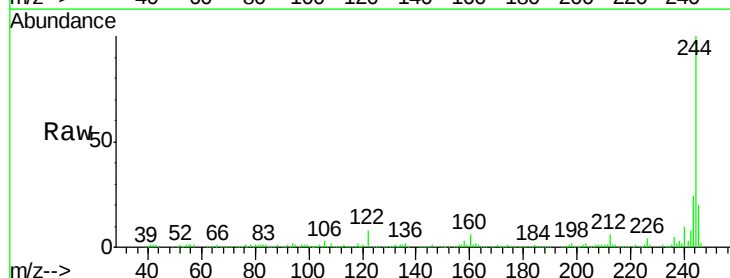
Tgt Ion:244 Resp: 251765

Ion Ratio Lower Upper

244 100

212 6.0 5.7 8.5

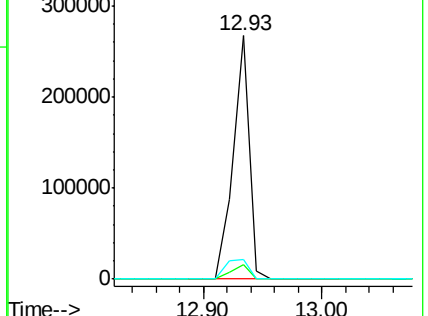
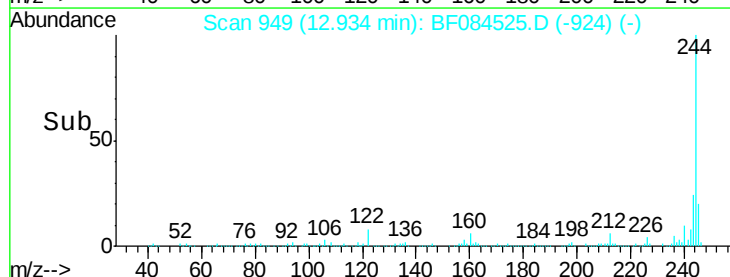
122 8.3 7.4 11.0

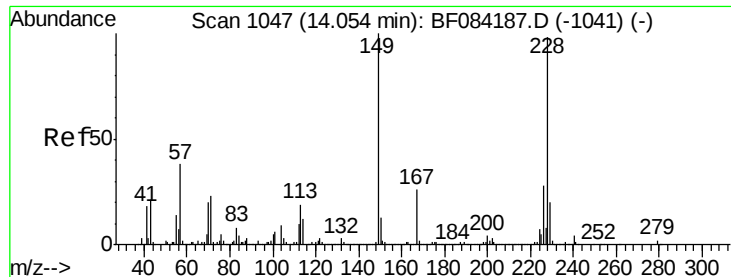


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.12 ng m

RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

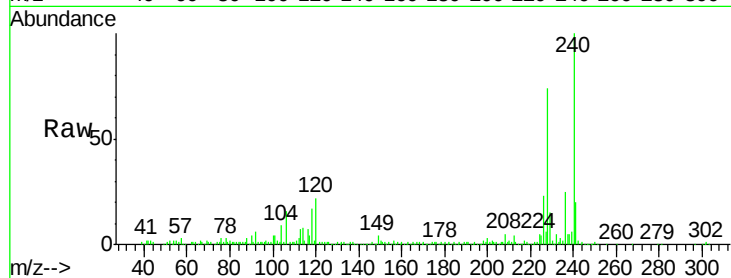
Tot Ion:228 Resp: 139977

Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.6

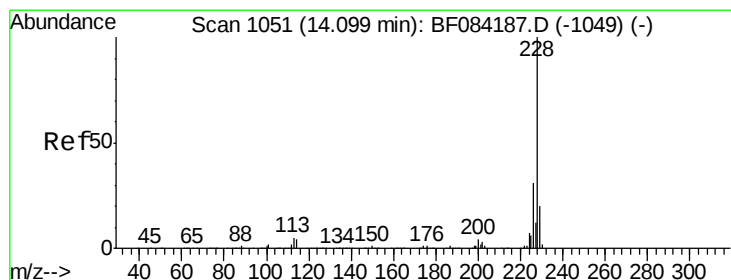
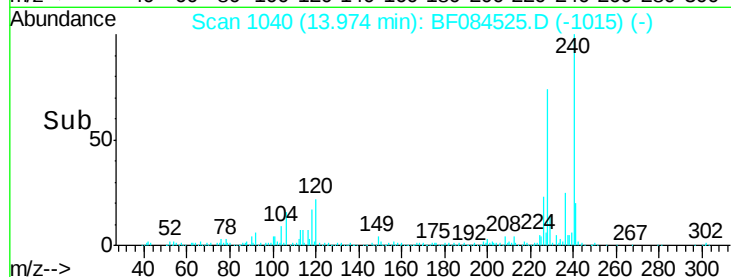
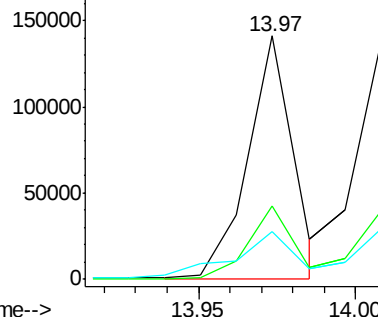
229 19.7 15.8 23.8



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: 4.13 ng m

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF084525.D

Acq: 16 Jan 2016 7:41

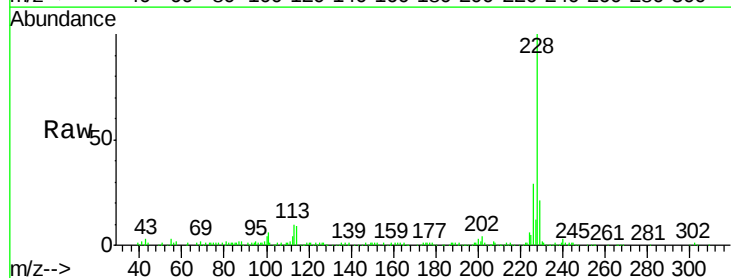
Tgt Ion:228 Resp: 135025

Ion Ratio Lower Upper

228 100

226 28.8 24.3 36.5

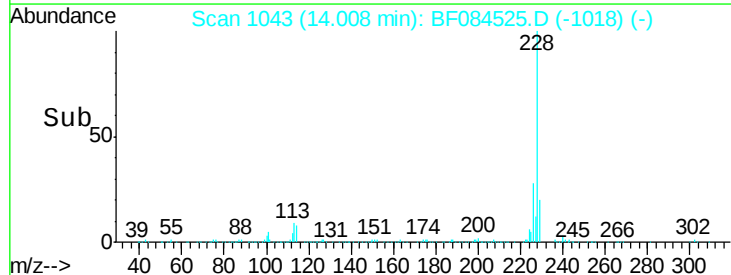
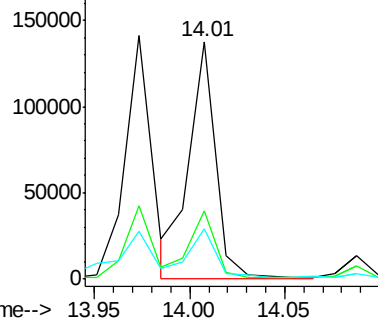
229 21.2 16.1 24.1

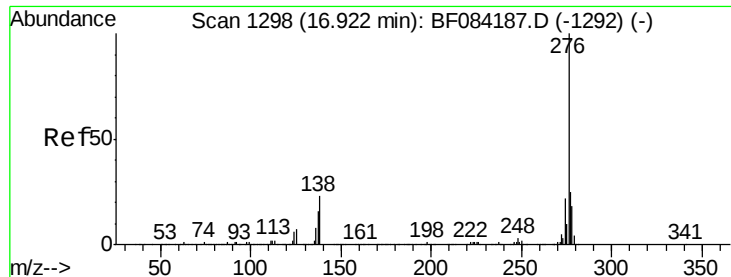


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

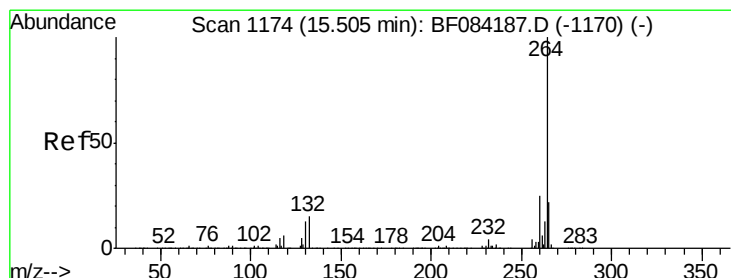
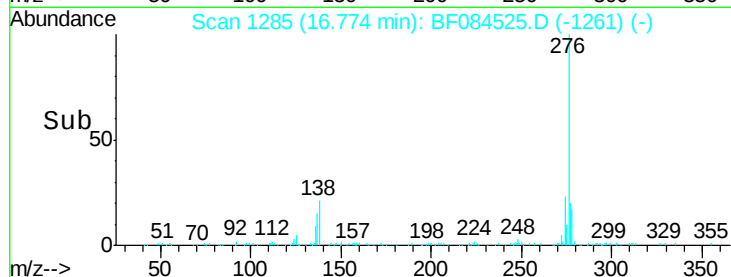
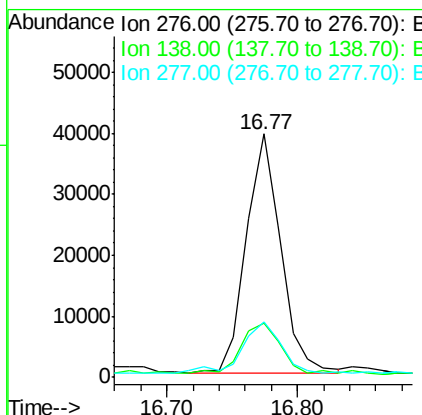
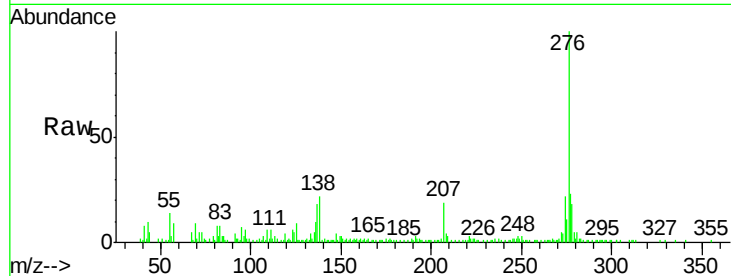




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.78 ng
 RT: 16.77 min Scan# 1285
 Delta R.T. -0.02 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

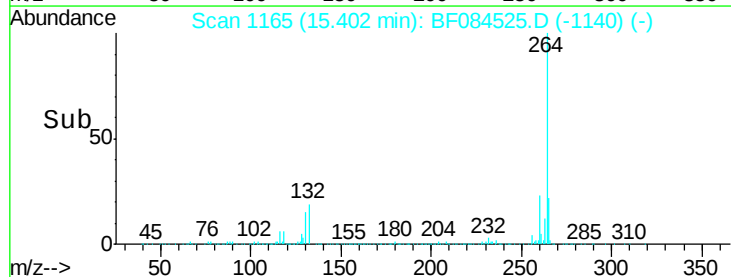
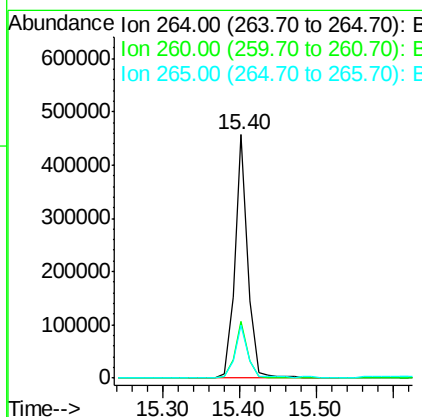
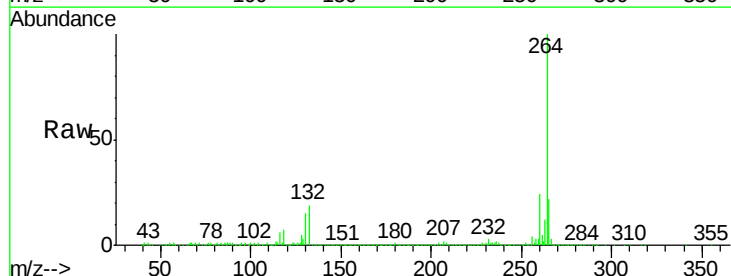
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

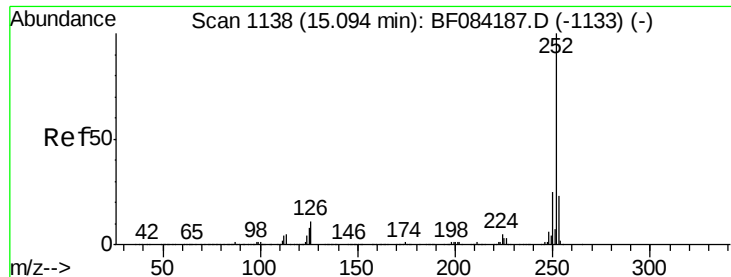
Tot Ion:276 Resp: 72045
 Ion Ratio Lower Upper
 276 100
 138 25.6 20.6 30.8
 277 25.3 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

Tgt Ion:264 Resp: 542928
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.8 17.8 26.6

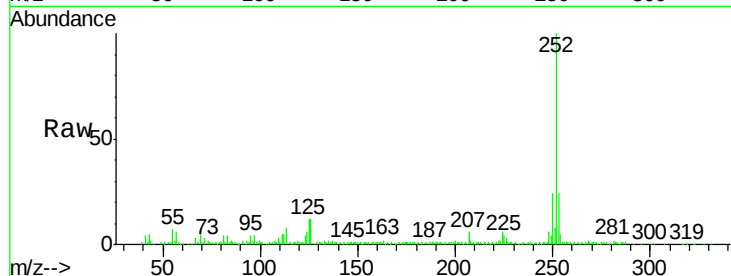




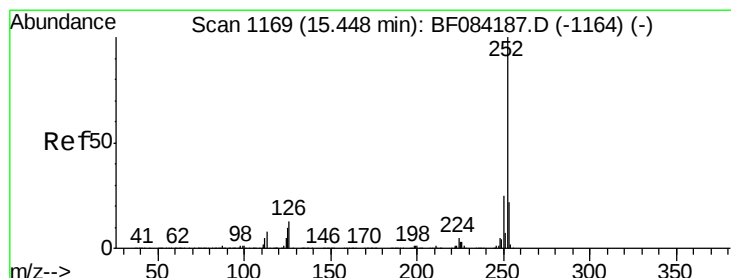
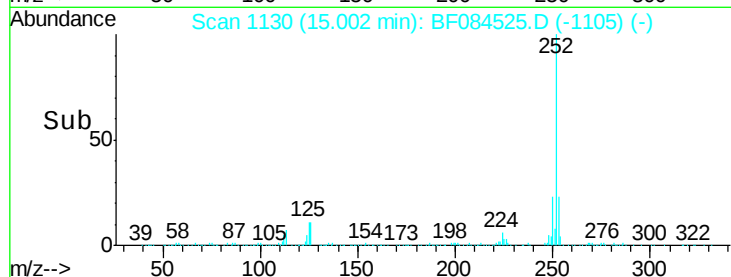
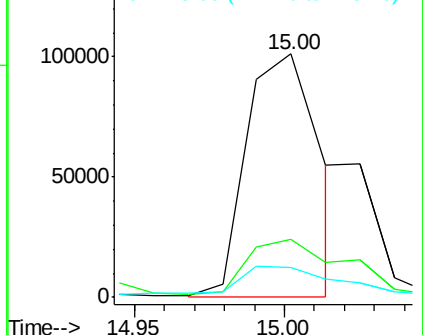
#87
Benzo(b)fluoranthene
Concen: 4.87 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

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

Tot Ion:252 Resp: 173041
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 12.5 6.5 9.7#

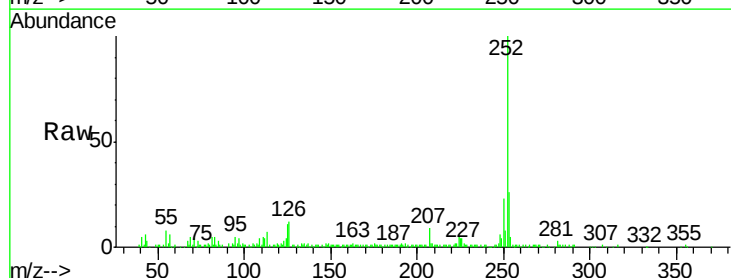


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

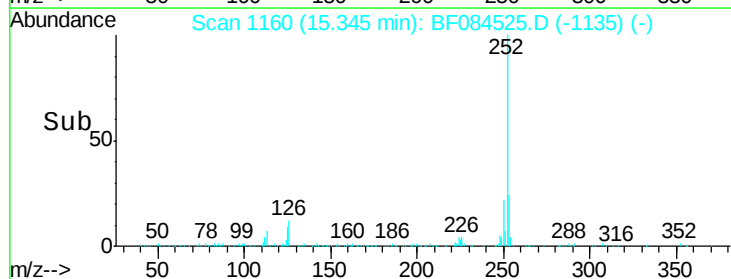
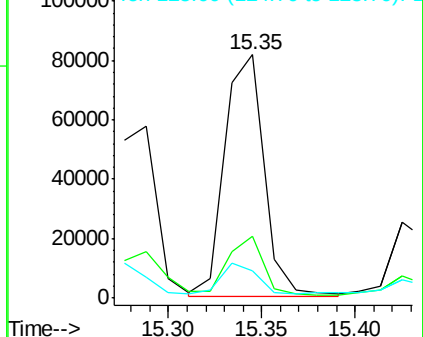


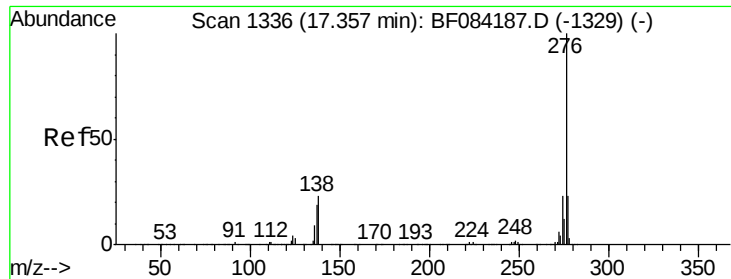
#89
Benzo(a)pyrene
Concen: 4.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:252 Resp: 120527
Ion Ratio Lower Upper
252 100
253 25.6 17.3 25.9
125 11.0 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: 2.78 ng
 RT: 17.19 min Scan# 1321
 Delta R.T. -0.03 min
 Lab File: BF084525.D
 Acq: 16 Jan 2016 7:41

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.8	28.2
138	24.0	17.8	26.6

