

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084526.D
 Acq On : 16 Jan 2016 8:09
 Operator : SJ/UM
 Sample : H1143-03 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: Jan 18 00:44:46 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

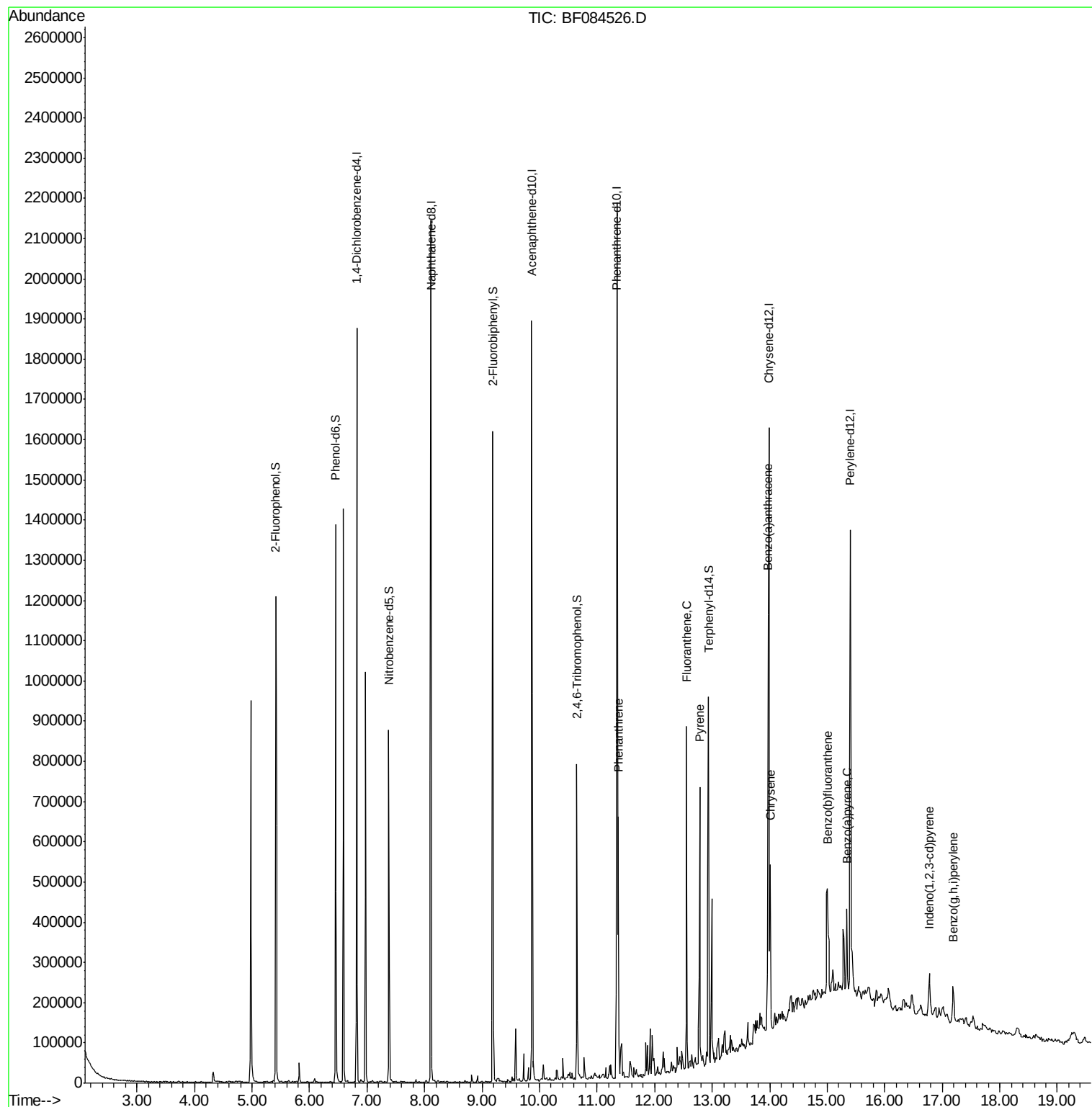
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	251333	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	1025271	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	426800	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	731928	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	564065	20.00	ng	-0.01
86) Perylene-d12	15.40	264	527059	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	382368	24.61	ng	-0.02
7) Phenol-d6	6.45	99	479471	24.57	ng	-0.02
23) Nitrobenzene-d5	7.38	82	282411	15.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.65	330	85453	19.83	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	464331	13.84	ng	-0.01
78) Terphenyl-d14	12.93	244	305516	12.09	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.37	178	227568	5.94	ng	99
74) Fluoranthene	12.56	202	315756	7.89	ng	97
77) Pyrene	12.78	202	286161	6.46	ng	98
80) Benzo(a)anthracene	13.97	228	132750m	4.01	ng	
82) Chrysene	14.01	228	127078m	3.99	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	69665	2.76	ng	97
87) Benzo(b)fluoranthene	15.00	252	170070m	4.93	ng	
89) Benzo(a)pyrene	15.35	252	118503	4.05	ng	99
91) Benzo(g,h,i)perylene	17.19	276	78030	2.99	ng	95

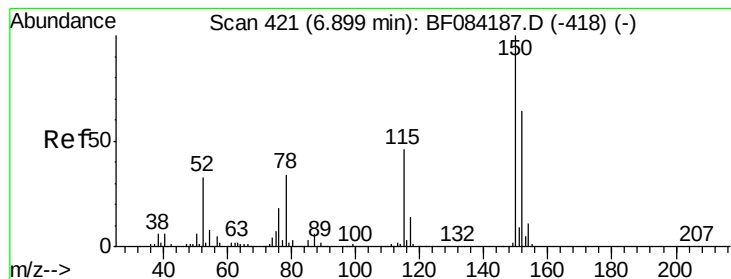
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
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POST-EX-8-20160114

Quant Time: Jan 18 00:44:46 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: BF084526.D

Acq: 16 Jan 2016 8:09

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

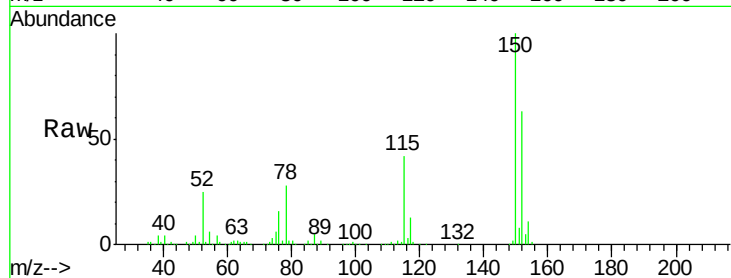
Tot Ion:152 Resp: 251333

Ion Ratio Lower Upper

152 100

150 159.6 123.0 184.4

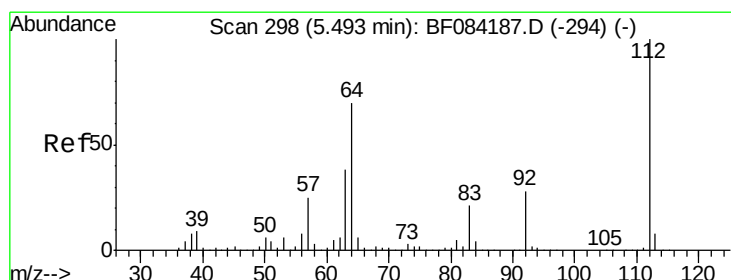
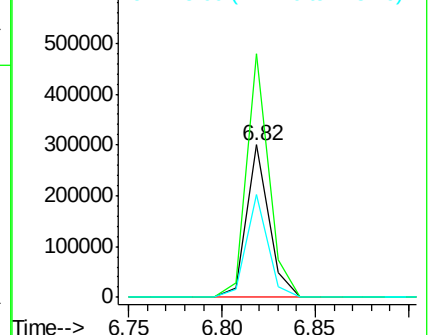
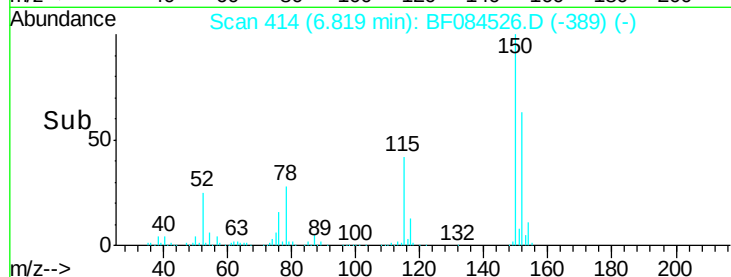
115 67.7 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 24.61 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.02 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

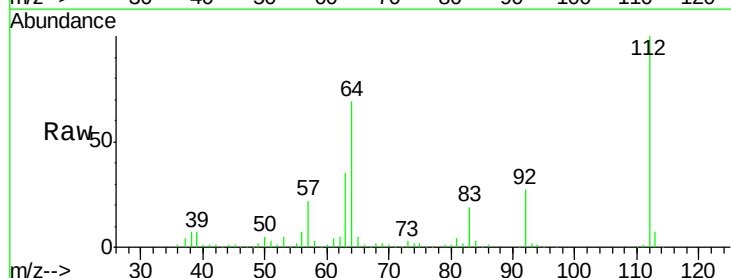
Tgt Ion:112 Resp: 382368

Ion Ratio Lower Upper

112 100

64 69.1 36.6 55.0#

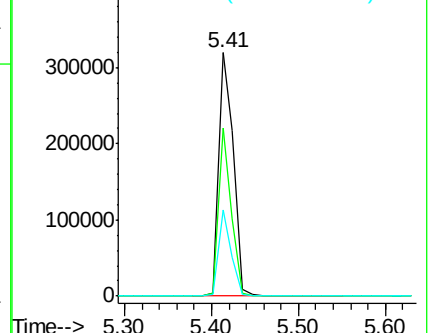
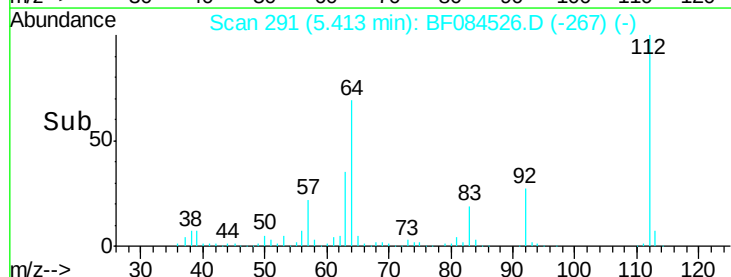
63 35.5 19.4 29.0#

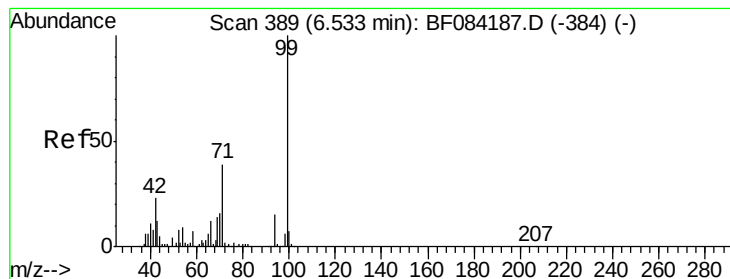


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.57 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

Instrument :

BNA_F

ClientSampleId :

POST-EX-8-20160114

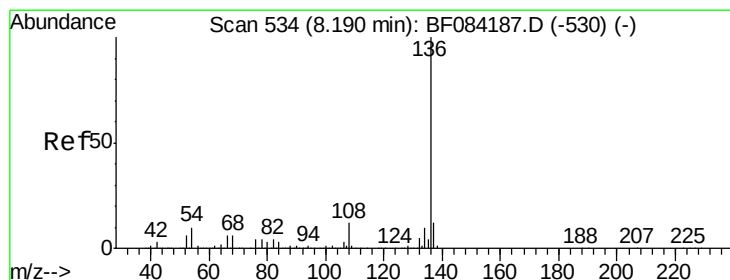
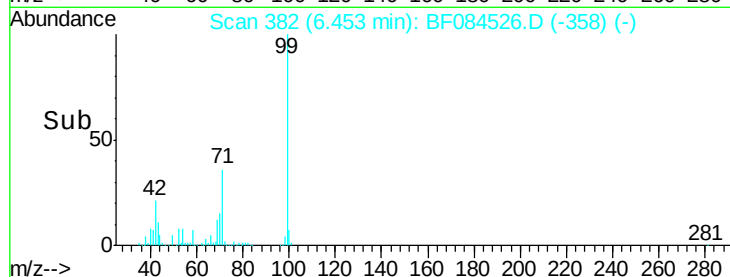
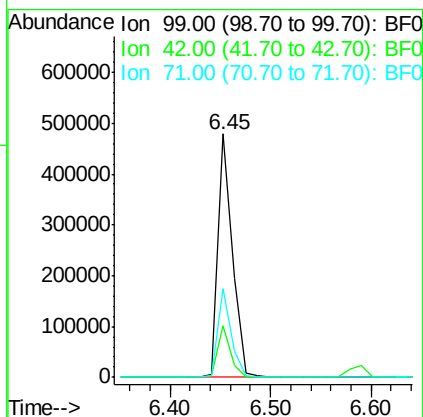
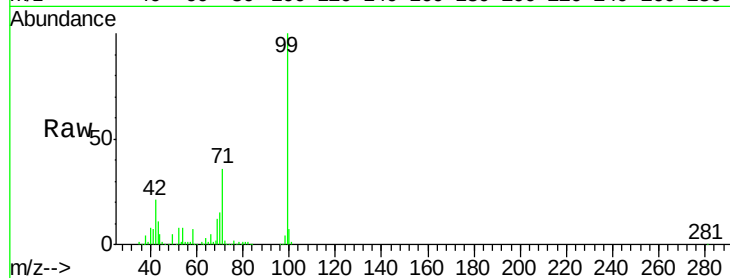
Tot Ion: 99 Resp: 479471

Ion Ratio Lower Upper

99 100

42 21.0 12.8 19.2#

71 36.2 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: BF084526.D

Acq: 16 Jan 2016 8:09

Tgt Ion: 136 Resp: 1025271

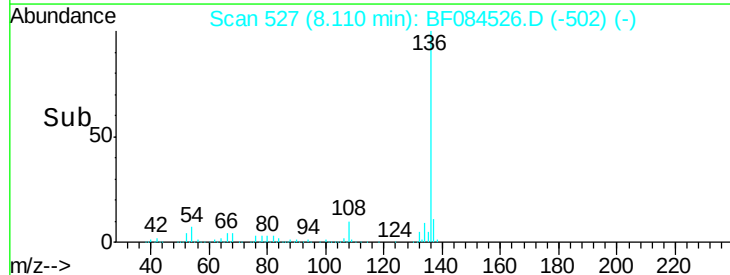
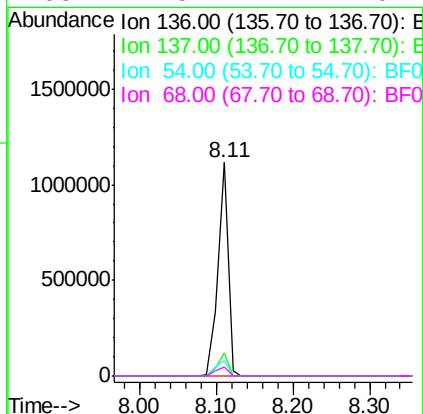
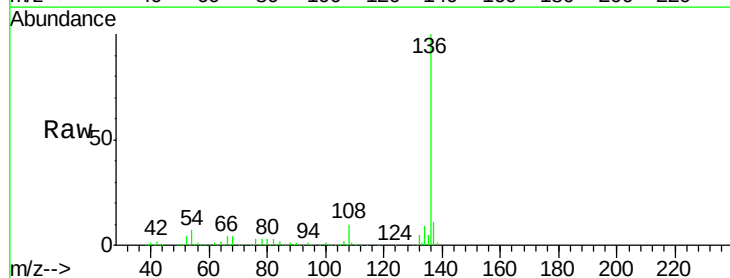
Ion Ratio Lower Upper

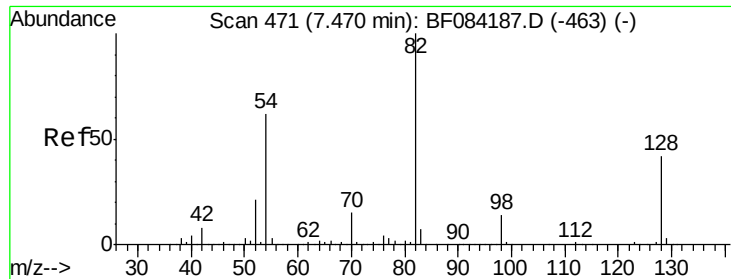
136 100

137 10.8 8.7 13.1

54 7.2 5.8 8.8

68 4.5 4.2 6.2

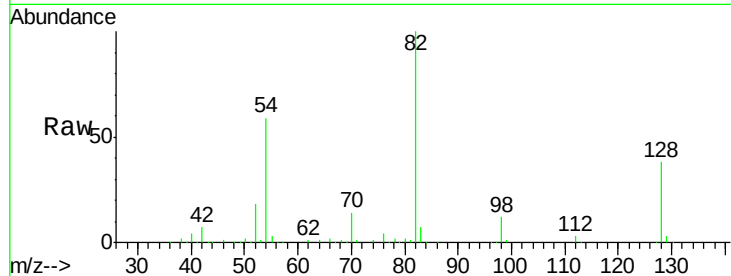




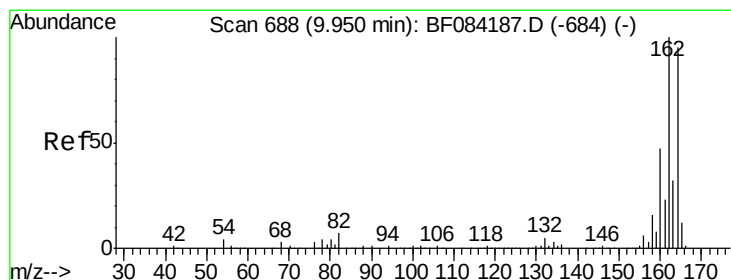
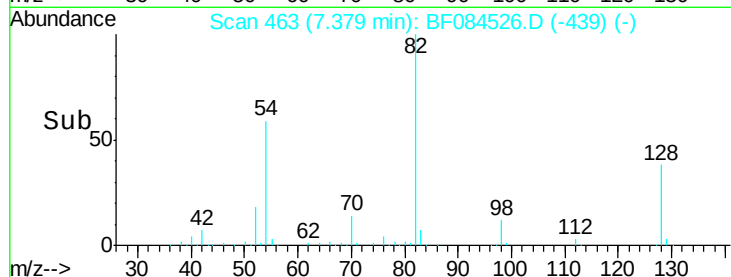
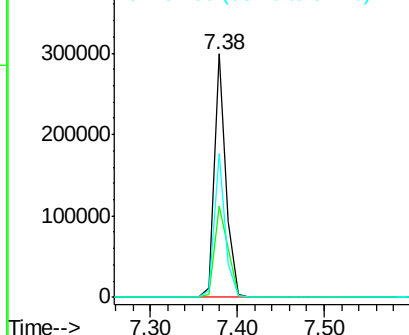
#23
 Nitrobenzene-d5
 Concen: 15.33 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.02 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

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

Tot Ion	82	Resp	282411
Ion Ratio	100	Lower	Upper
128	37.5	34.6	51.8
54	58.9	38.4	57.6

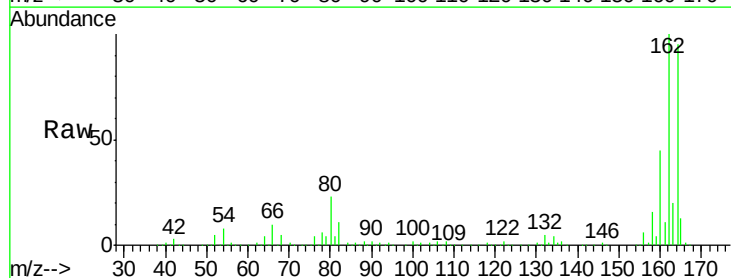


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

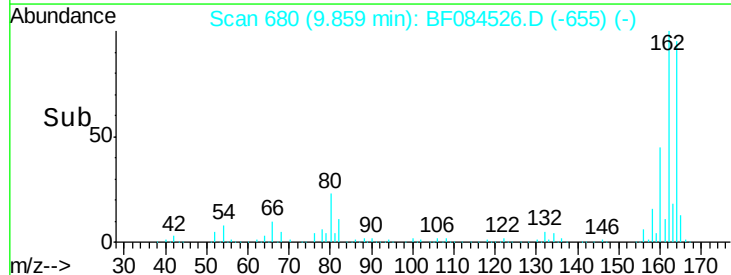
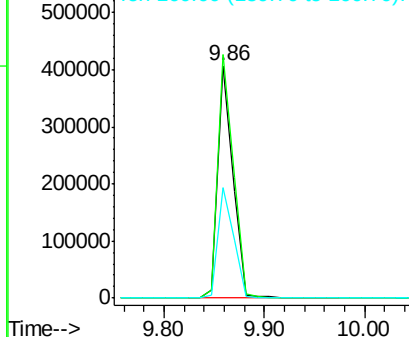


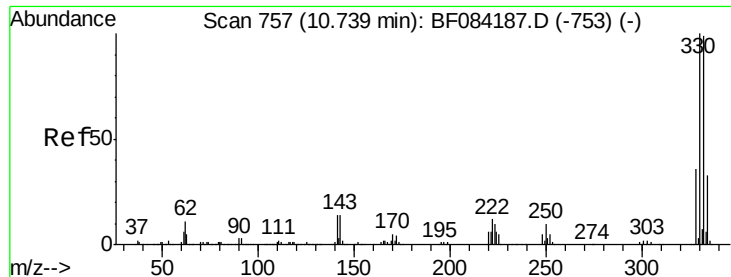
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

Tgt Ion	164	Resp	426800
Ion Ratio	100	Lower	Upper
162	104.8	85.1	127.7
160	47.6	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

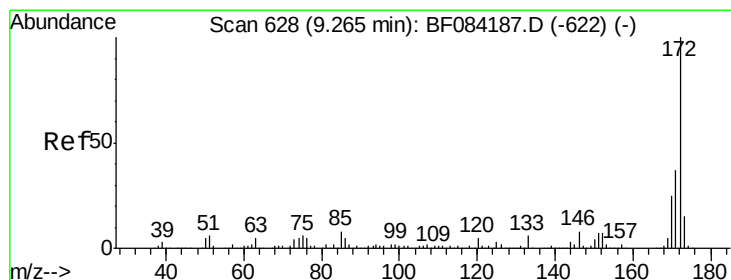
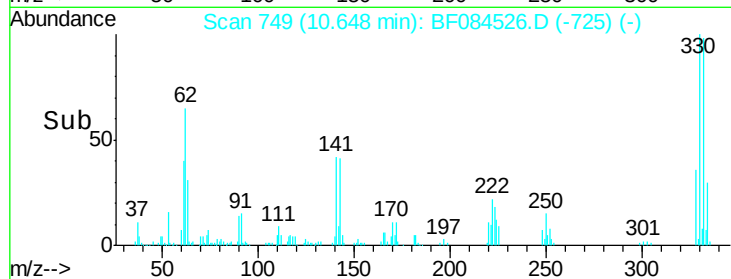
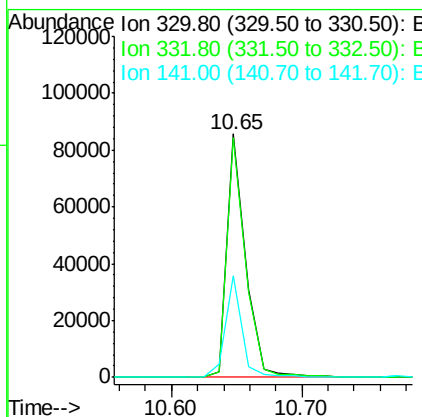
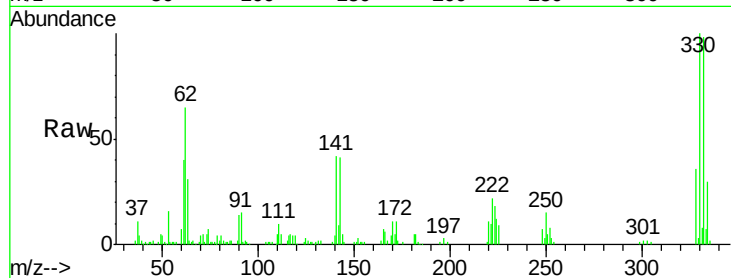




#41
 2,4,6-Tribromophenol
 Concen: 19.83 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.02 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

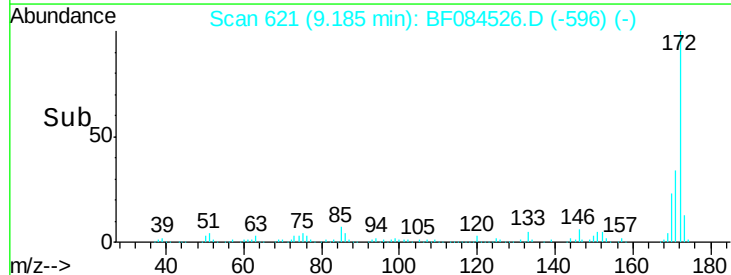
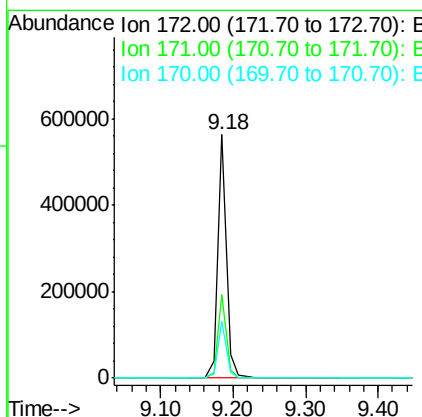
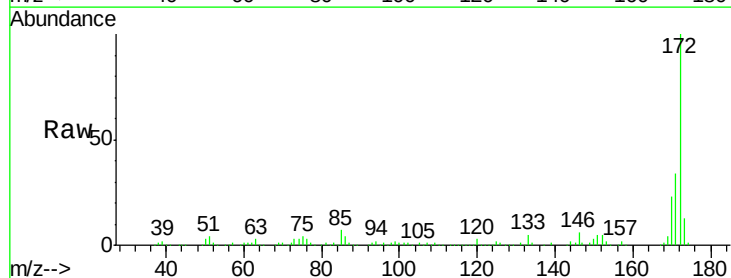
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

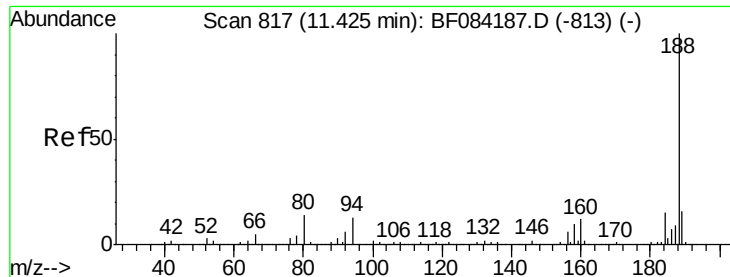
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	114.8
141	37.7	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 13.84 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.9	43.3
170	23.3	18.6	27.8

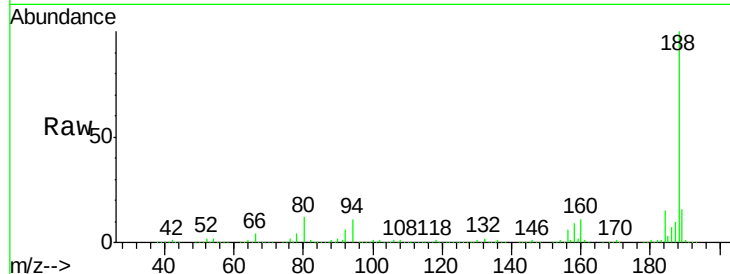




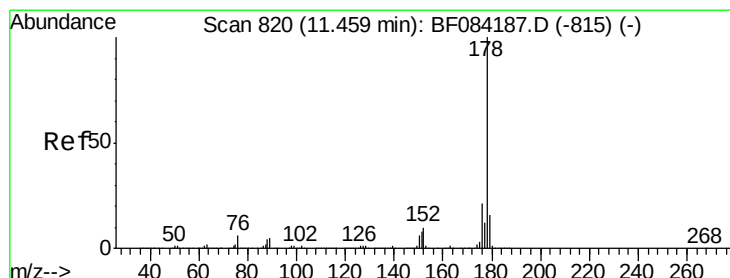
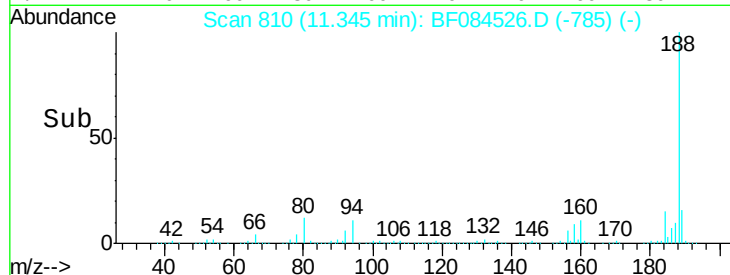
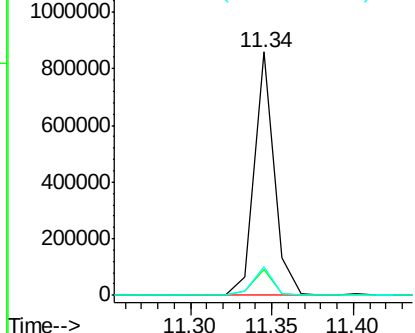
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

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

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.0	13.4
80	11.6	9.6	14.4

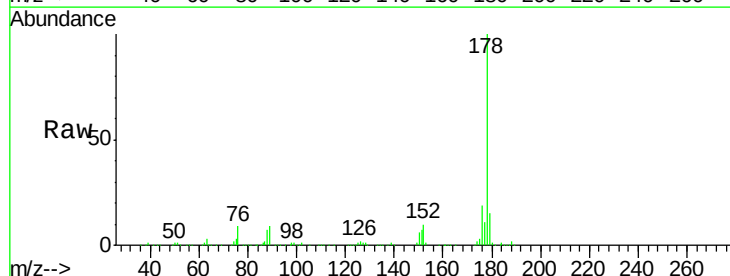


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

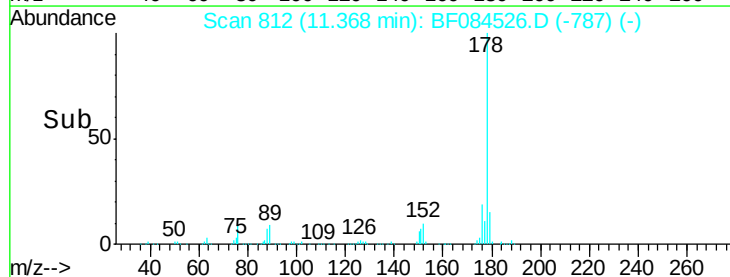
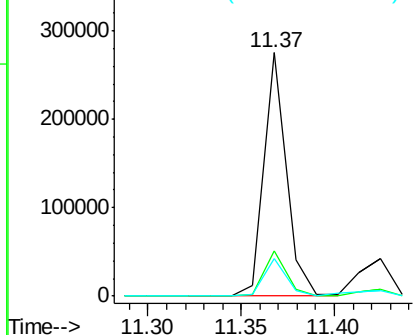


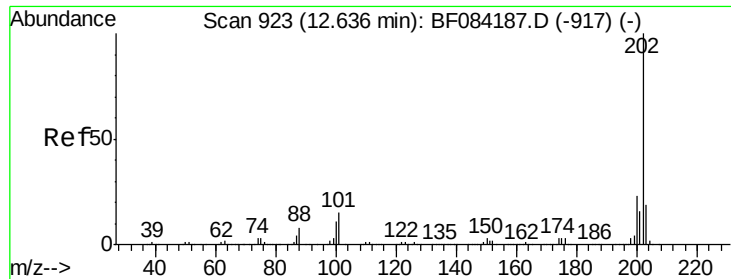
#70
Phenanthrene
Concen: 5.94 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.3	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: 7.89 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084526.D

Acq: 16 Jan 2016 8:09

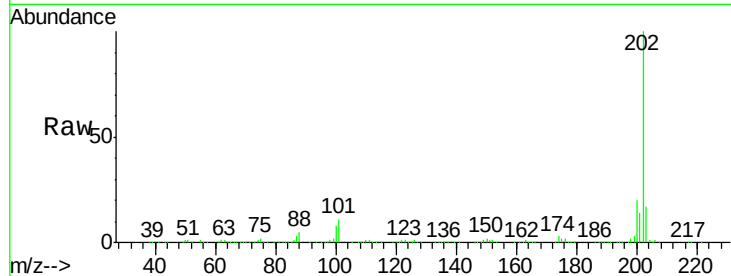
Instrument :

BNA_F

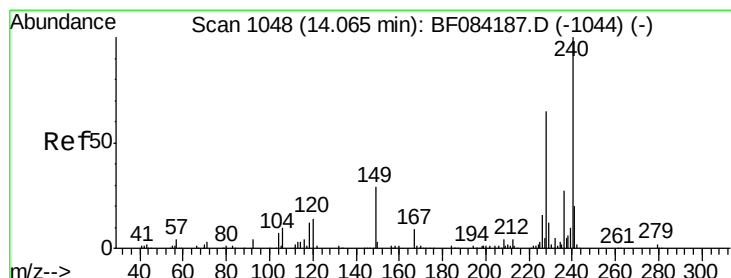
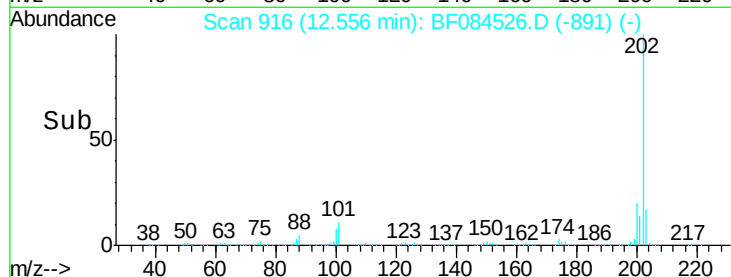
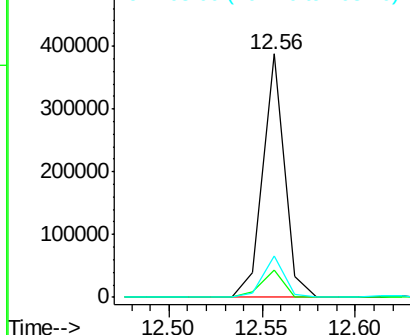
ClientSampleId :

POST-EX-8-20160114

Tot Ion:	202	Resp:	315756
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	32.8
203	17.2	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

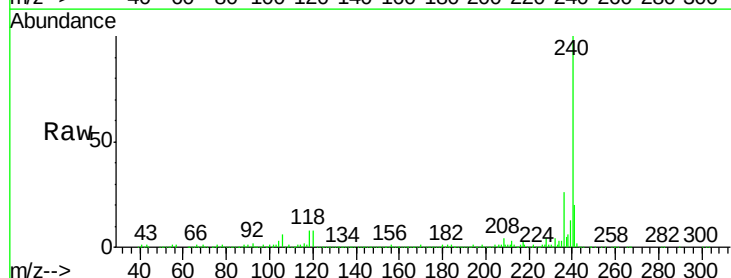
RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

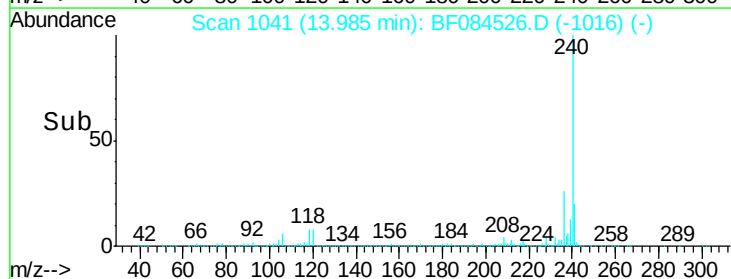
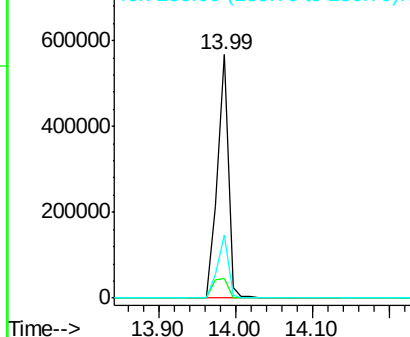
Lab File: BF084526.D

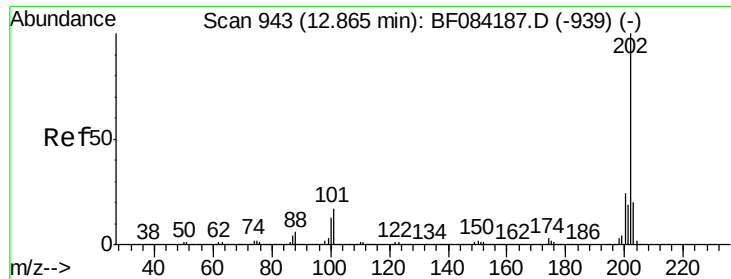
Acq: 16 Jan 2016 8:09

Tgt Ion:	240	Resp:	564065
Ion Ratio	Lower	Upper	
240	100		
120	8.1	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

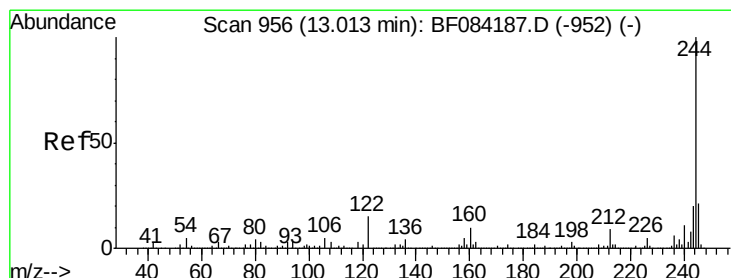
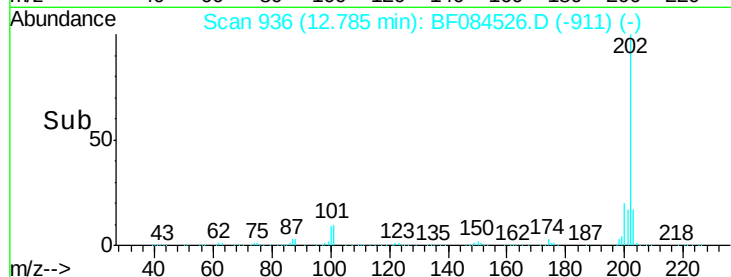
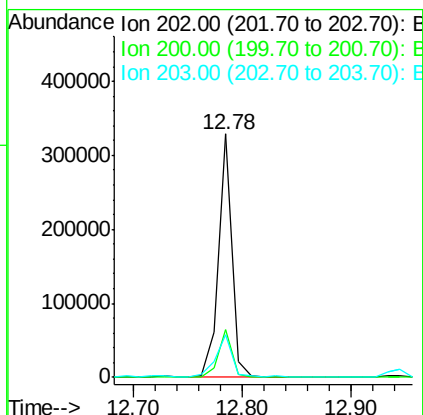
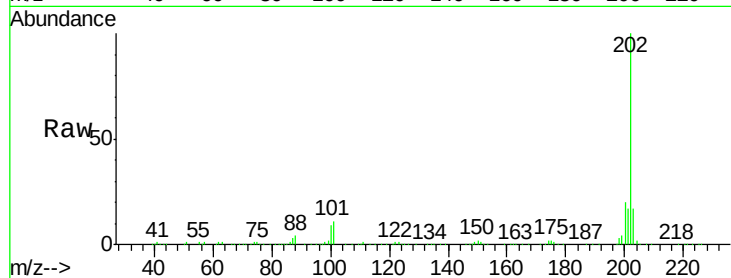




#77
Pvrene
Concen: 6.46 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

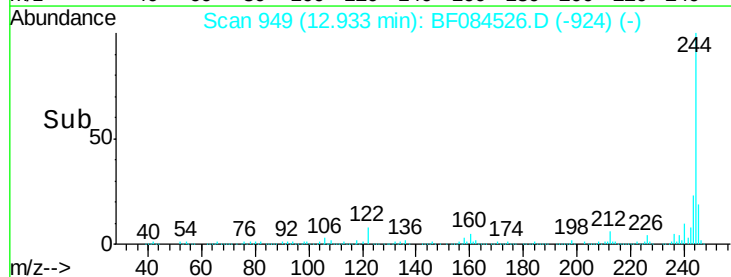
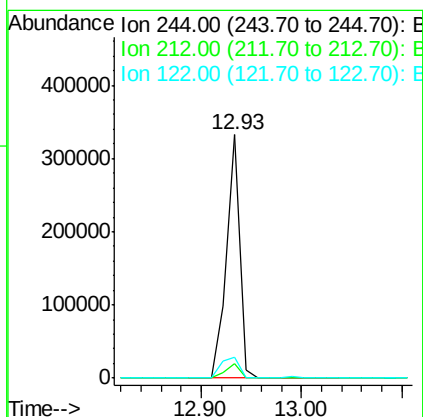
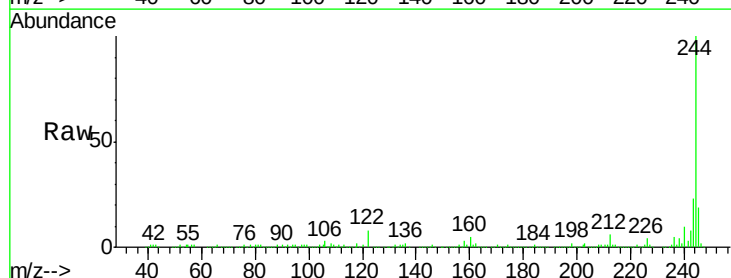
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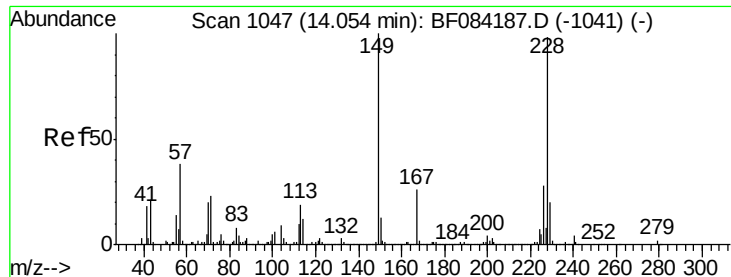
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.2	25.8
203	17.3	14.3	21.5



#78
Terphenyl-d14
Concen: 12.09 ng
RT: 12.93 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.7	8.5
122	8.4	7.4	11.0

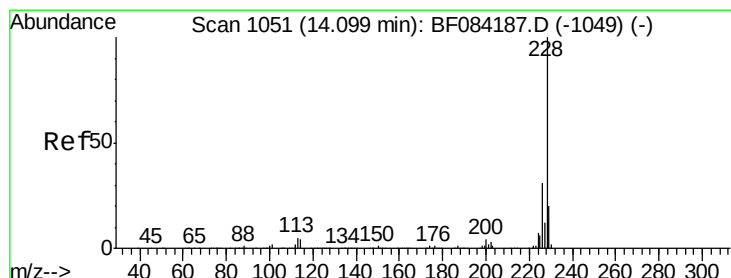
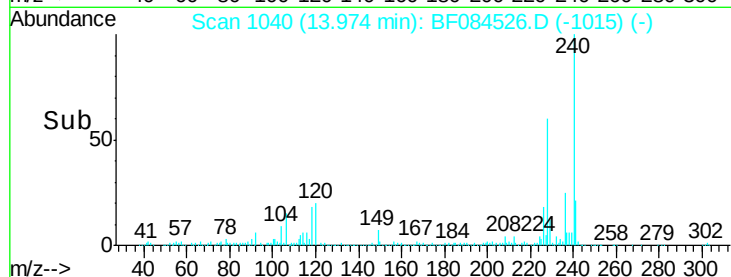
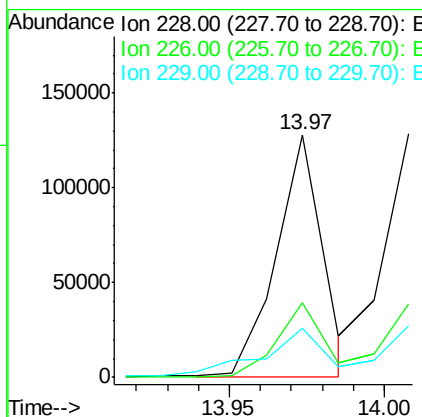
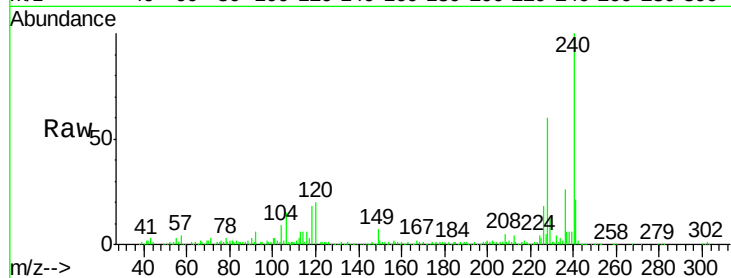




#80
Benzo(a)anthracene
Concen: 4.01 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

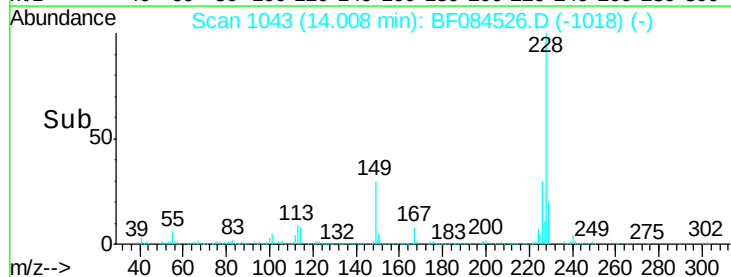
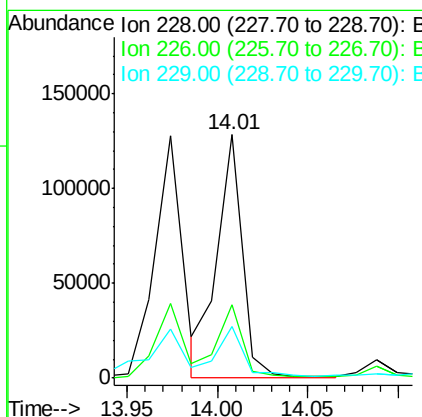
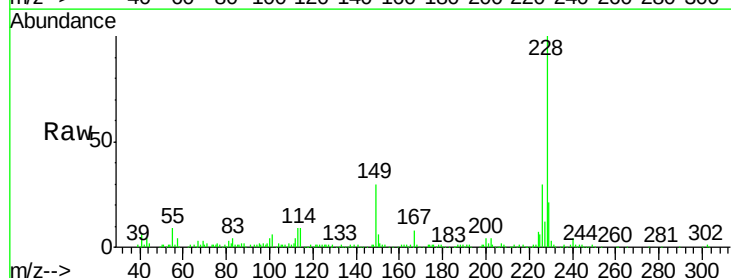
Instrument :
BNA_F
ClientSampleId :
POST-EX-8-20160114

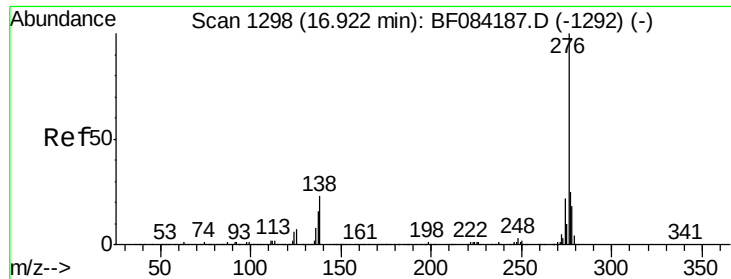
Tot Ion:228 Resp: 132750
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.6
229 20.3 15.8 23.8



#82
Chrysene
Concen: 3.99 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Tgt Ion:228 Resp: 127078
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.3 16.1 24.1

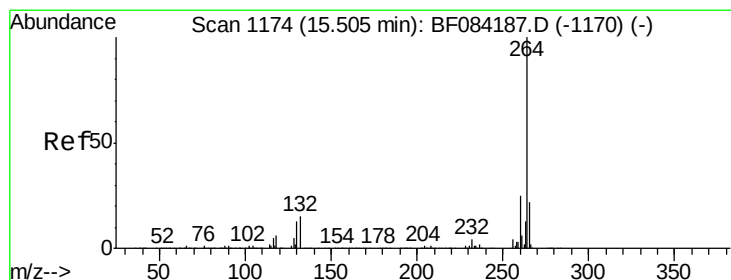
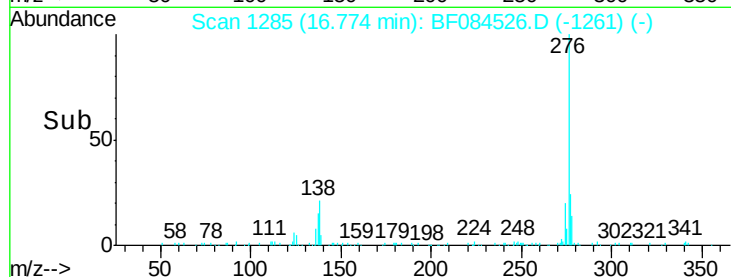
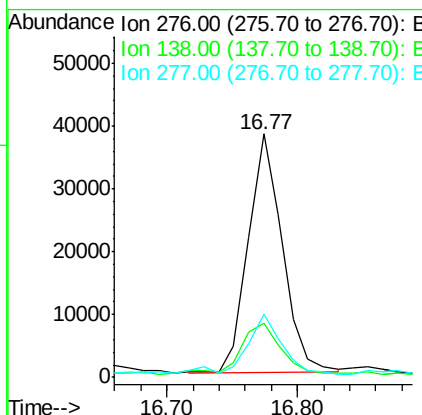
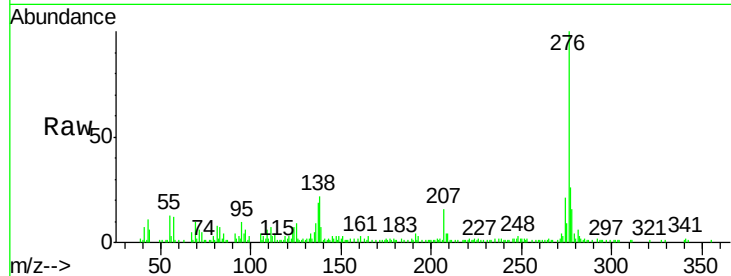




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.76 ng
 RT: 16.77 min Scan# 1285
 Delta R.T. -0.02 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

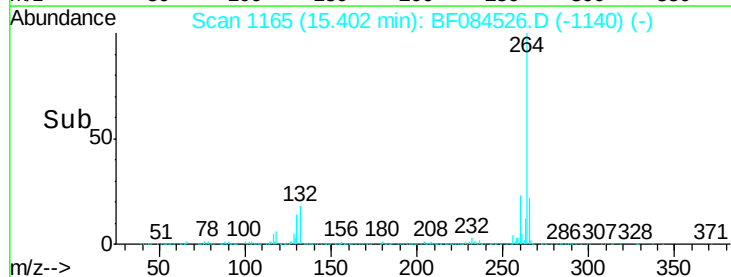
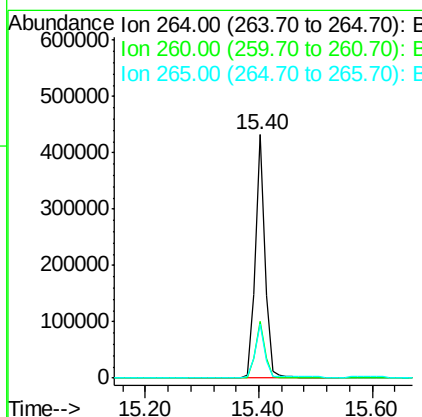
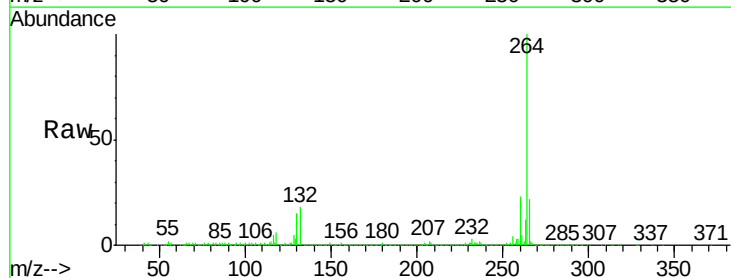
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-8-20160114

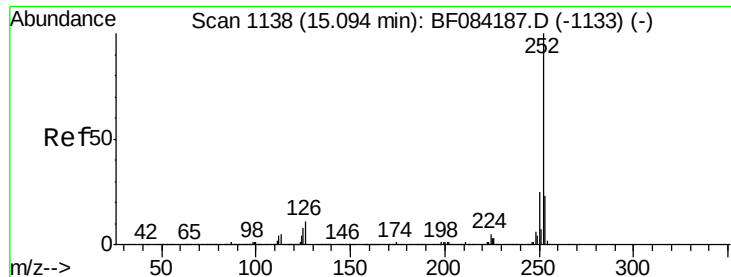
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	20.6	30.8
277	27.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	22.2	17.8	26.6

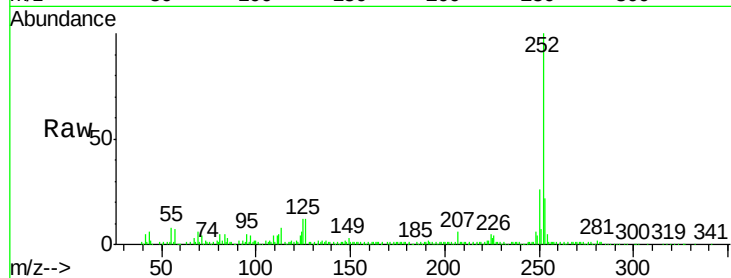




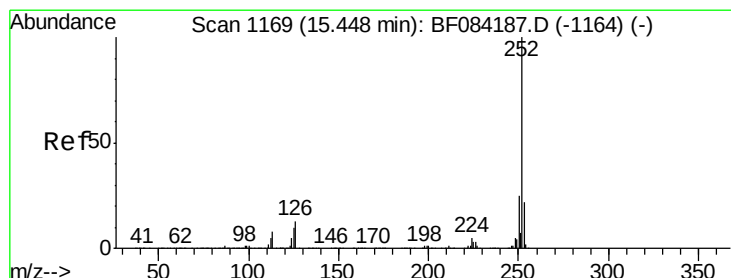
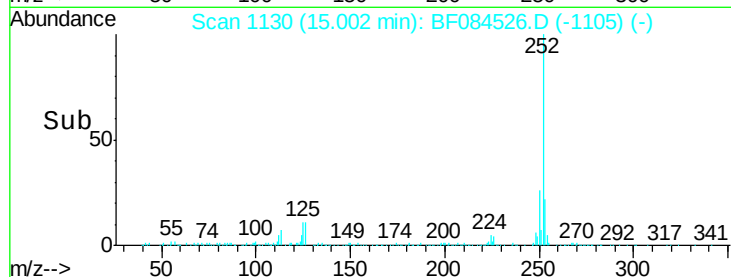
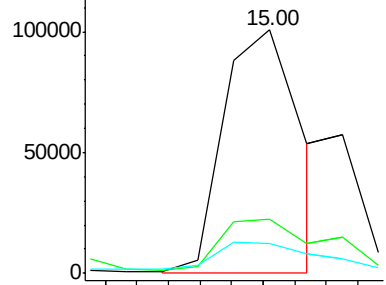
#87
Benzo(b)fluoranthene
Concen: 4.93 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

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

Tot Ion:252 Resp: 170070
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 12.3 6.5 9.7#

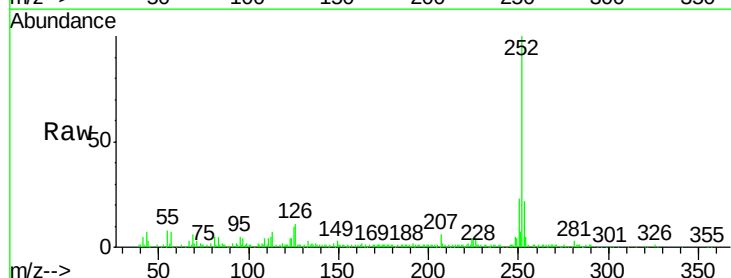


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

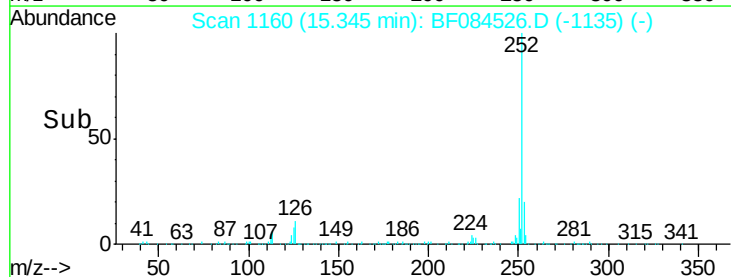
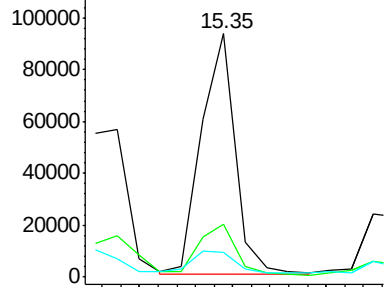


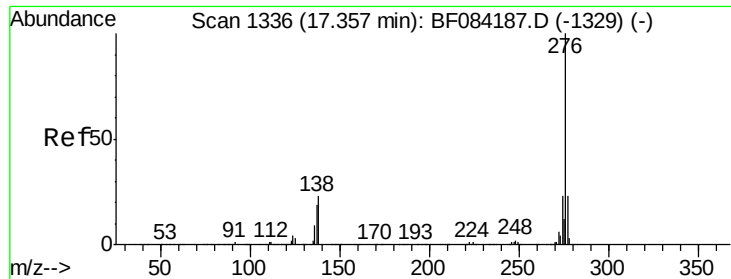
#89
Benzo(a)pyrene
Concen: 4.05 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF084526.D
Acq: 16 Jan 2016 8:09

Tgt Ion:252 Resp: 118503
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 10.3 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: 2.99 ng
 RT: 17.19 min Scan# 1321
 Delta R.T. -0.03 min
 Lab File: BF084526.D
 Acq: 16 Jan 2016 8:09

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.8	28.2
138	26.2	17.8	26.6

