

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084482.D
 Acq On : 14 Jan 2016 11:03
 Operator : SJ/UM
 Sample : H1077-04 25X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-4-20160108

Quant Time: Jan 14 11:29:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

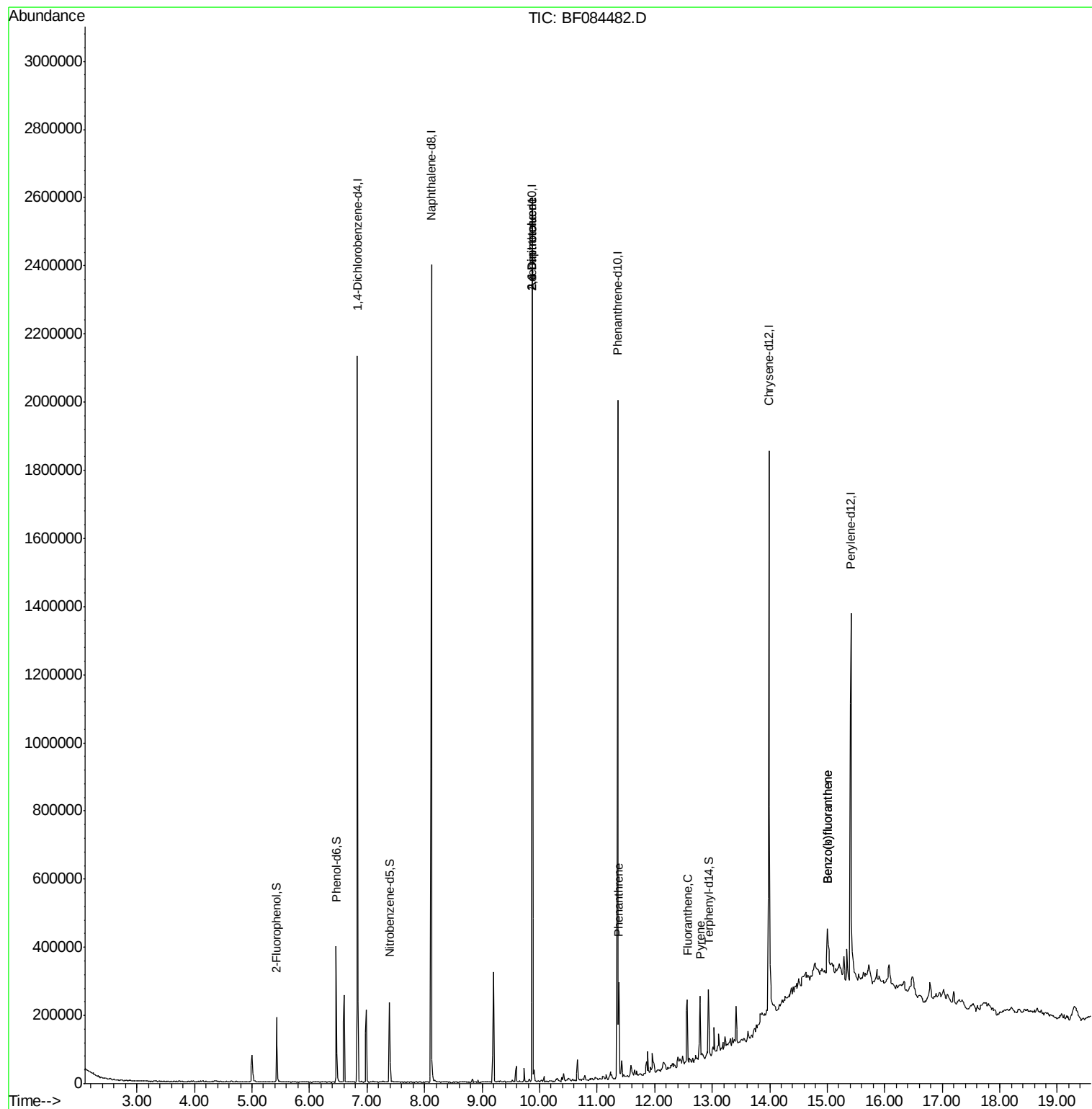
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	290186	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1168055	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	477214	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	743813	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	553174	20.00	ng	-0.08
86) Perylene-d12	15.41	264	557439	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	63459	3.54	ng	-0.07
7) Phenol-d6	6.46	99	132730	5.89	ng	-0.07
23) Nitrobenzene-d5	7.39	82	73611	3.51	ng	-0.08
41) 2,4,6-Tribromophenol	10.66	330	7648	1.59	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	104164	-2.69	ng	-0.07
78) Terphenyl-d14	12.93	244	57331	2.31	ng	-0.08
Target Compounds						
50) 2,6-Dinitrotoluene	9.87	165	63125	8.44	ng	# 37
54) Dibenzofuran	10.08	168	5972	Below	Cal	93
56) 2,4-Dinitrotoluene	9.87	165	63339	6.69	ng	# 21
57) Fluorene	10.42	166	7625	Below	Cal	97
70) Phenanthrene	11.38	178	109762	2.82	ng	99
73) Di-n-butylphthalate	11.92	149	4221	Below	Cal	# 90
74) Fluoranthene	12.57	202	106221	2.61	ng	94
77) Pyrene	12.80	202	110895	2.55	ng	97
87) Benzo(b)fluoranthene	15.00	252	83046	2.28	ng	# 83
88) Benzo(k)fluoranthene	15.00	252	83046	2.78	ng	# 87

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

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Quant Time: Jan 14 11:29:50 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.07 min

Lab File: BF084482.D

Acq: 14 Jan 2016 11:03

Instrument :

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ClientSampleId :

POST-EX-4-20160108

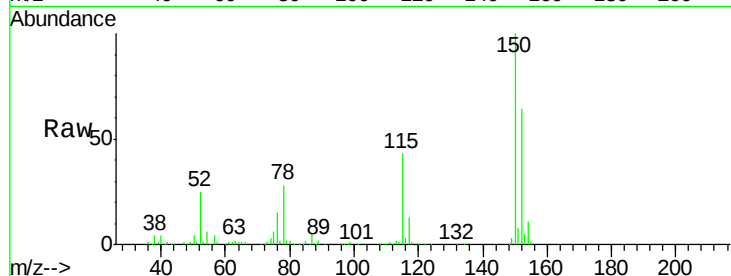
Tot Ion:152 Resp: 290186

Ion Ratio Lower Upper

152 100

150 157.1 123.0 184.4

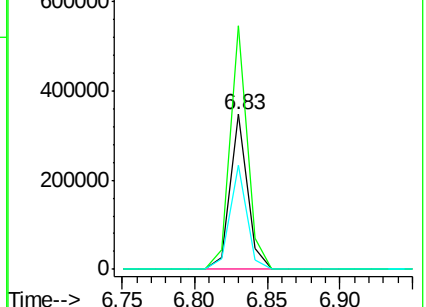
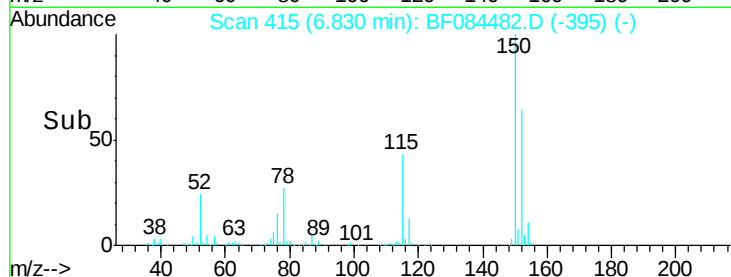
115 66.9 51.4 77.2



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: 3.54 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.07 min

Lab File: BF084482.D

Acq: 14 Jan 2016 11:03

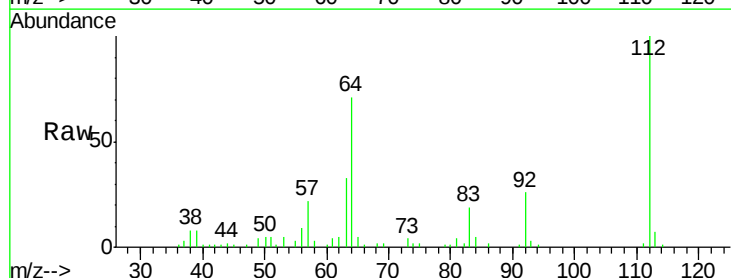
Tgt Ion:112 Resp: 63459

Ion Ratio Lower Upper

112 100

64 70.8 36.6 55.0#

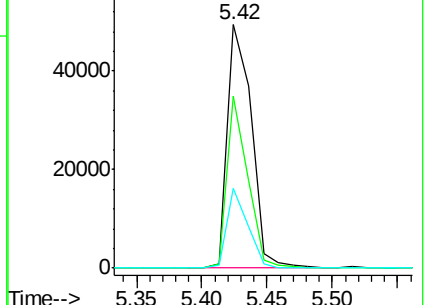
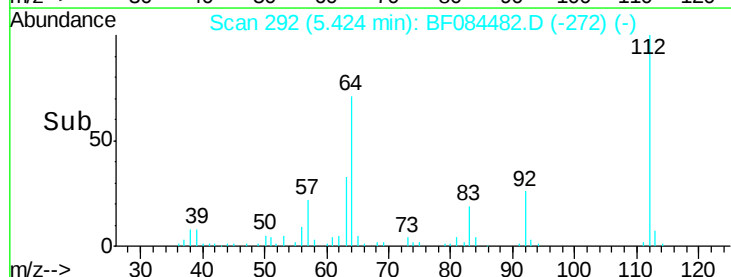
63 32.9 19.4 29.0#

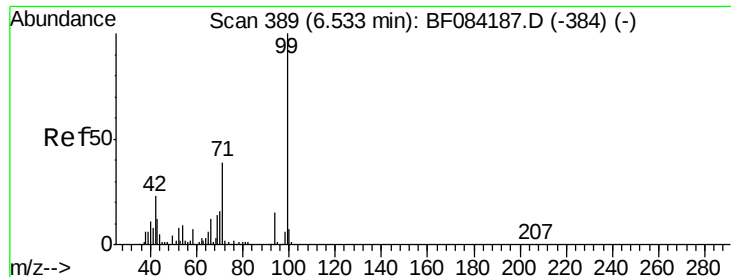


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.89 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.07 min

Lab File: BF084482.D

Acq: 14 Jan 2016 11:03

Instrument :

BNA_F

ClientSampleId :

POST-EX-4-20160108

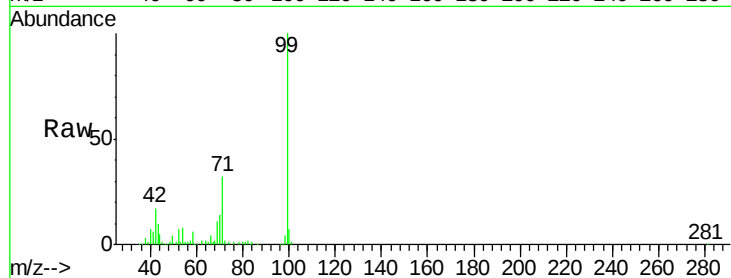
Tot Ion: 99 Resp: 132730

Ion Ratio Lower Upper

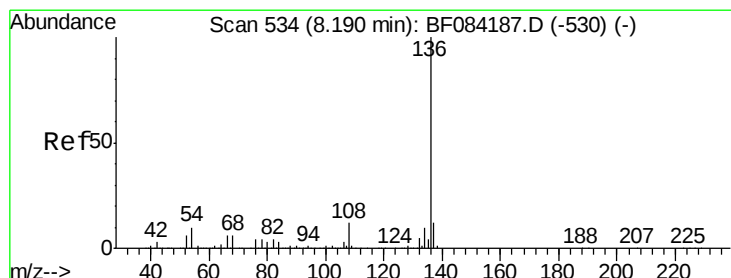
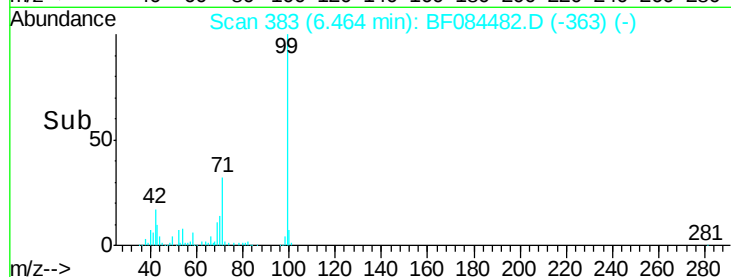
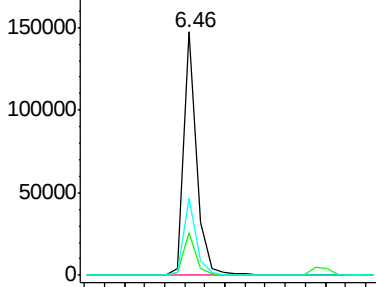
99 100

42 17.4 12.8 19.2

71 31.7 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084482.D

Acq: 14 Jan 2016 11:03

Tgt Ion: 136 Resp: 1168055

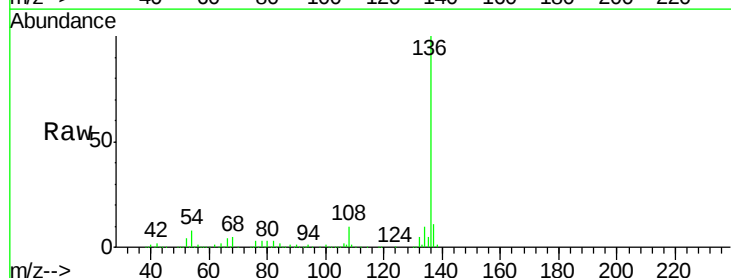
Ion Ratio Lower Upper

136 100

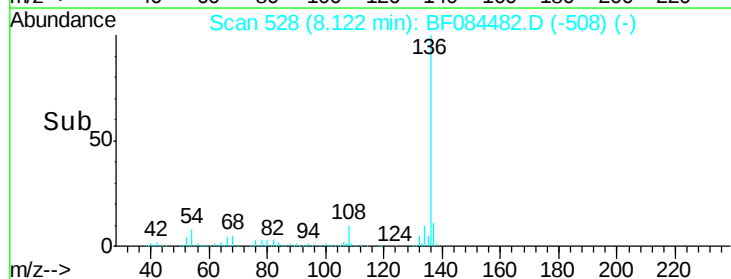
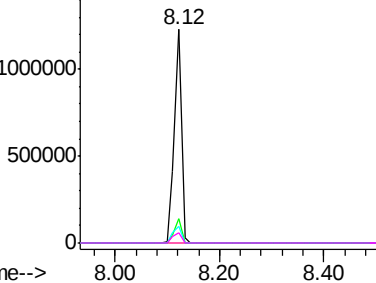
137 11.3 8.7 13.1

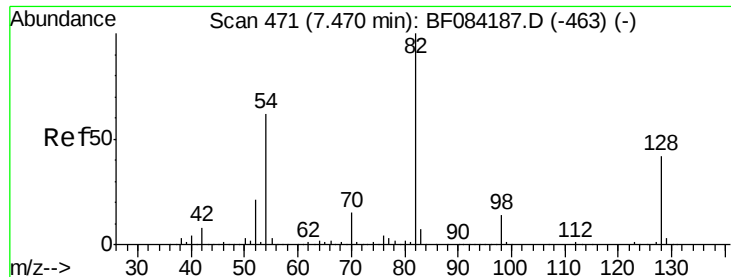
54 7.6 5.8 8.8

68 5.1 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

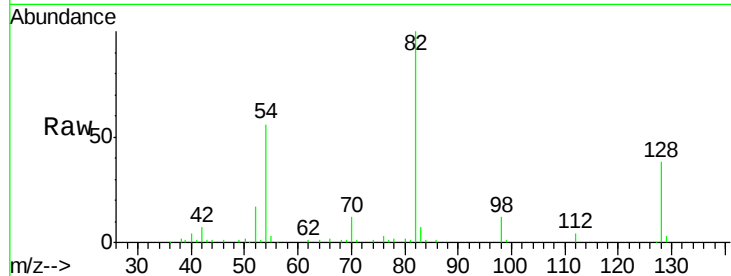




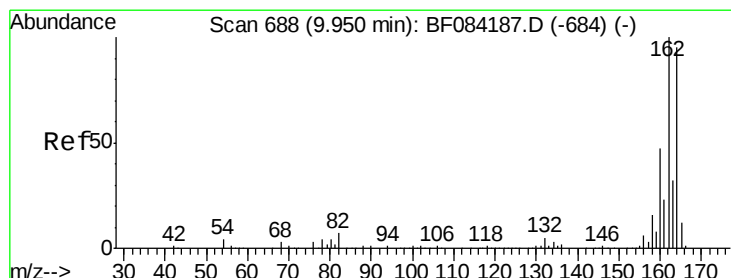
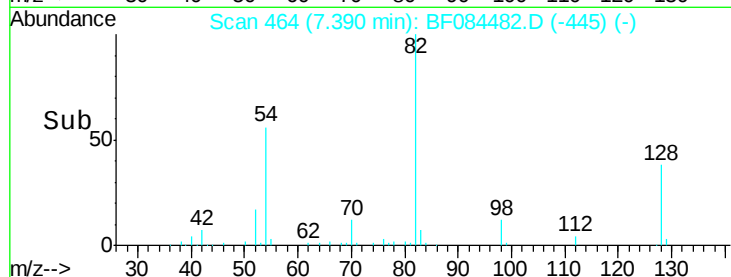
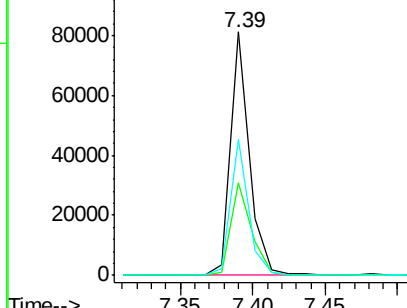
#23
Nitrobenzene-d5
Concen: 3.51 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.08 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

Instrument :
BNA_F
ClientSampleId :
POST-EX-4-20160108

Tot Ion: 82 Resp: 73611
Ion Ratio Lower Upper
82 100
128 38.2 34.6 51.8
54 56.1 38.4 57.6

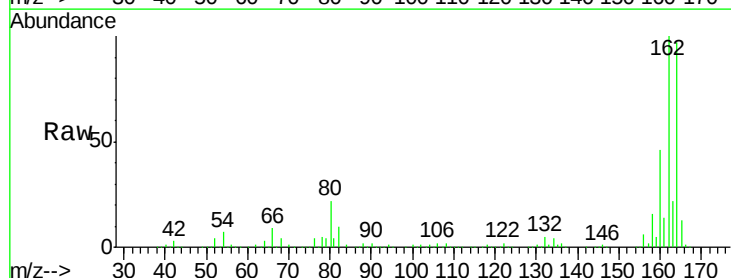


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

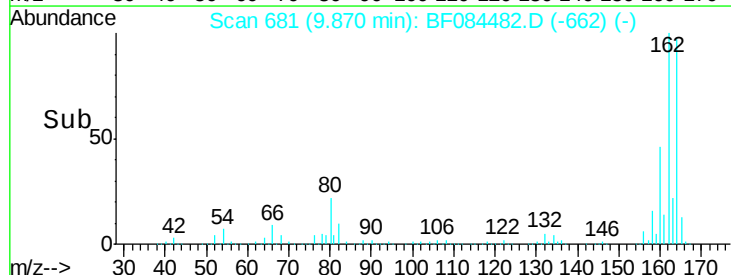
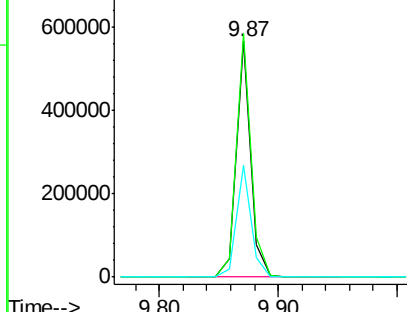


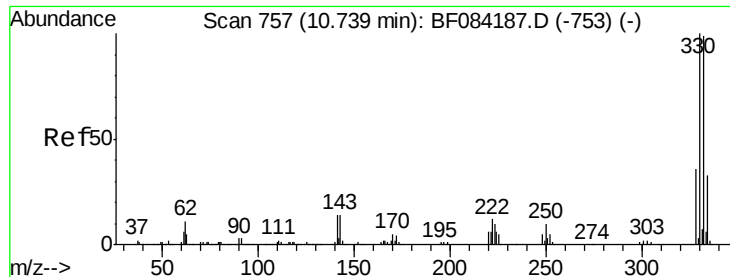
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.08 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

Tgt Ion:164 Resp: 477214
Ion Ratio Lower Upper
164 100
162 103.4 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

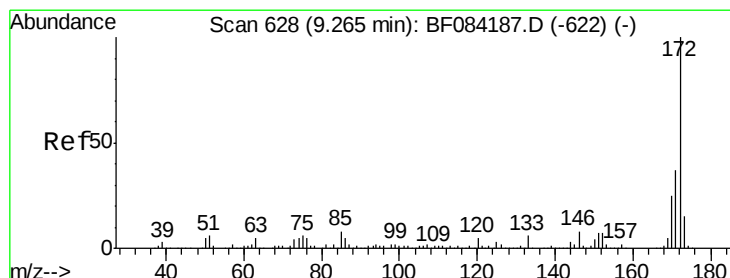
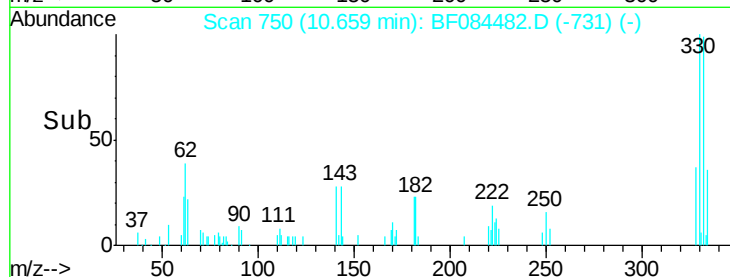
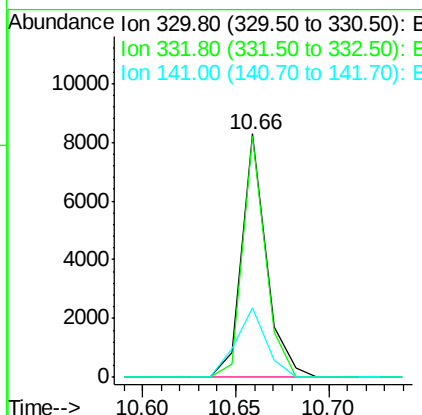
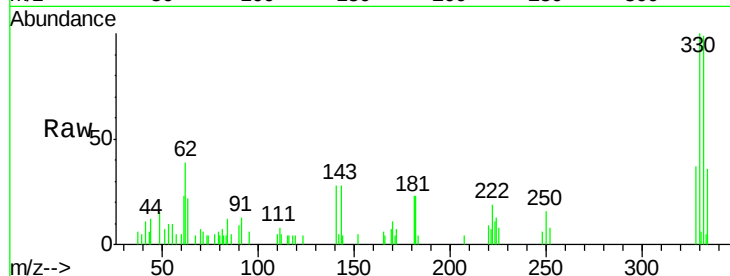




#41
 2,4,6-Tribromophenol
 Concen: 1.59 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.08 min
 Lab File: BF084482.D
 Acq: 14 Jan 2016 11:03

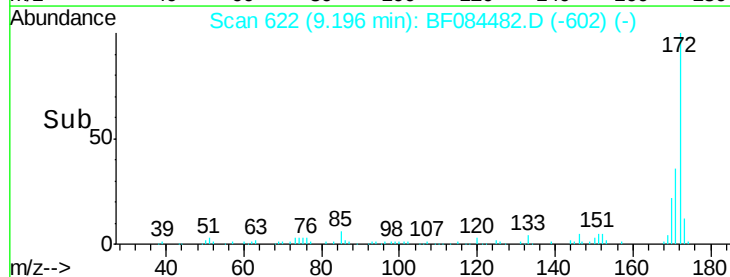
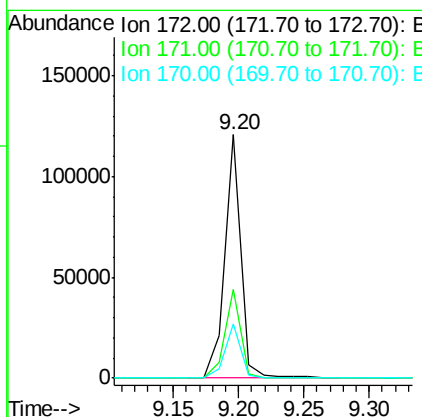
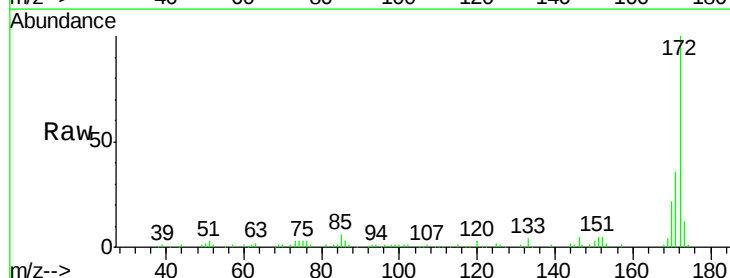
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-4-20160108

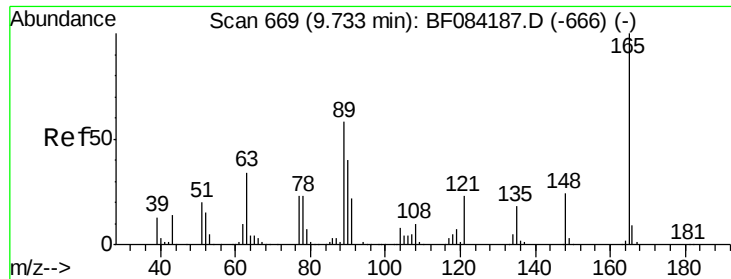
Tot Ion	Ratio	Lower	Upper
330	100		
332	91.6	76.6	114.8
141	35.4	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: -2.69 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084482.D
 Acq: 14 Jan 2016 11:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	22.1	18.6	27.8

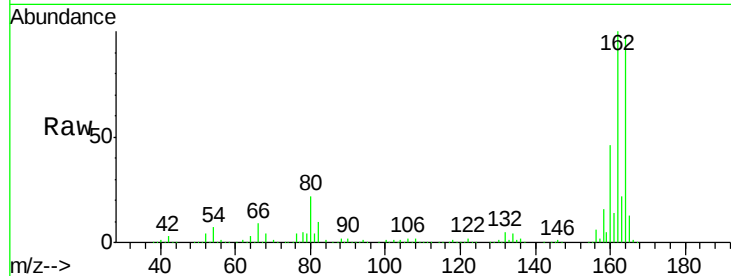




#50
2,6-Dinitrotoluene
Concen: 8.44 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.14 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

Instrument :
BNA_F
ClientSampleId :
POST-EX-4-20160108

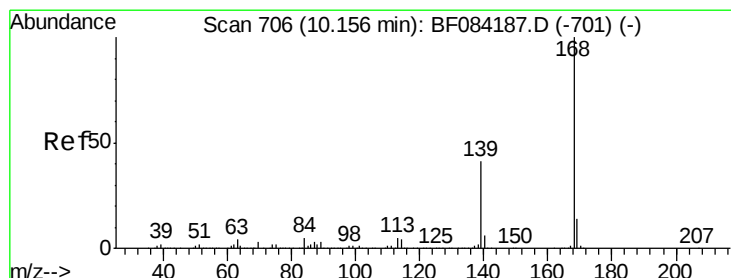
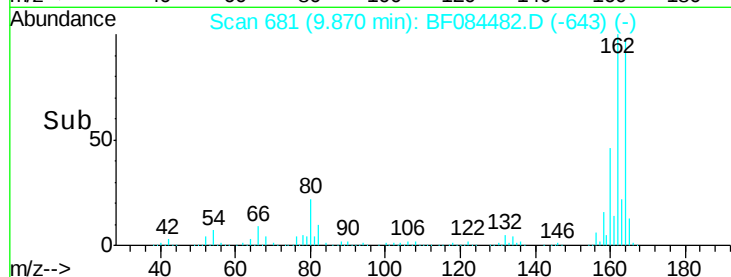
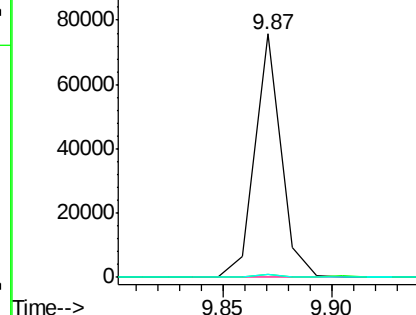
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.8	43.2#
89	1.4	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

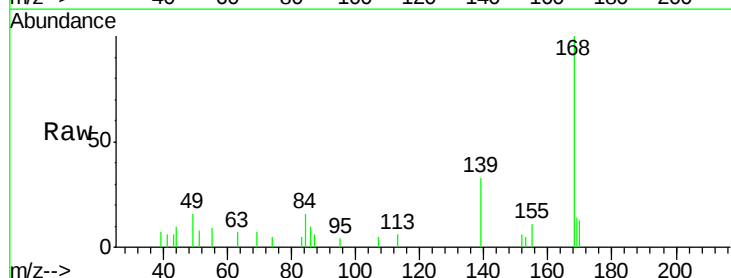
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#54
Dibenzofuran
Concen: Below Cal
RT: 10.08 min Scan# 699
Delta R.T. -0.08 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

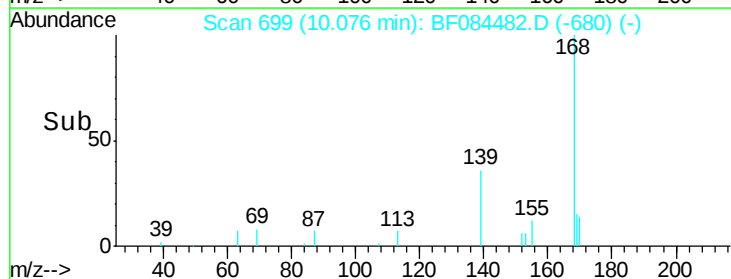
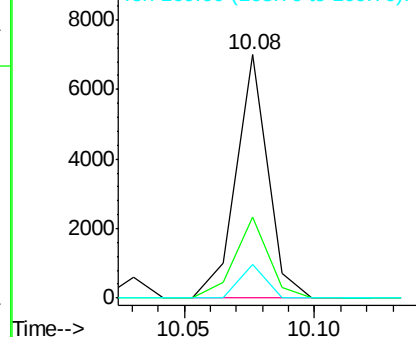
Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.1	30.5	45.7
169	13.9	10.4	15.6

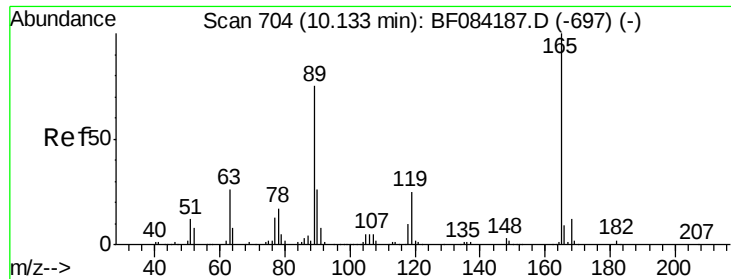


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

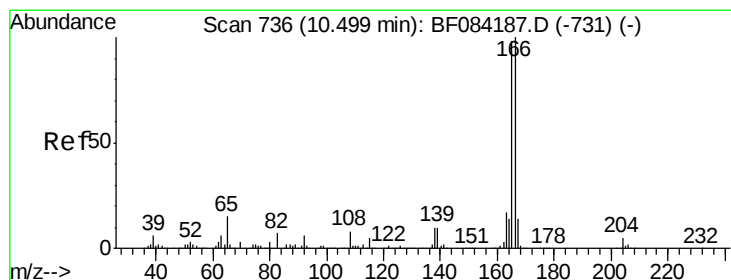
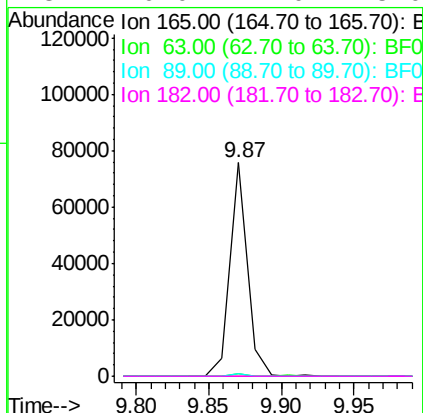
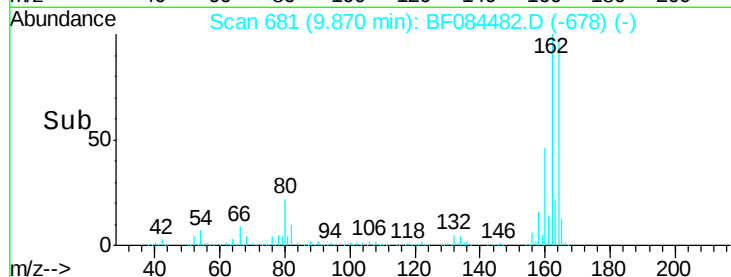
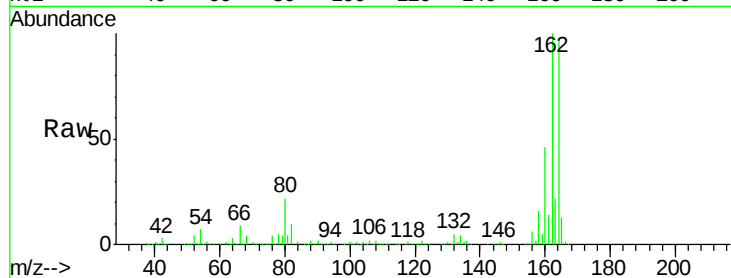




#56
2,4-Dinitrotoluene
Concen: 6.69 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.26 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

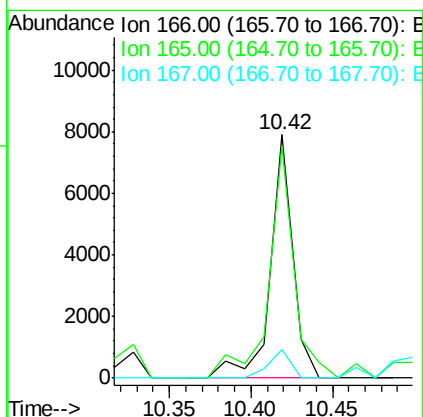
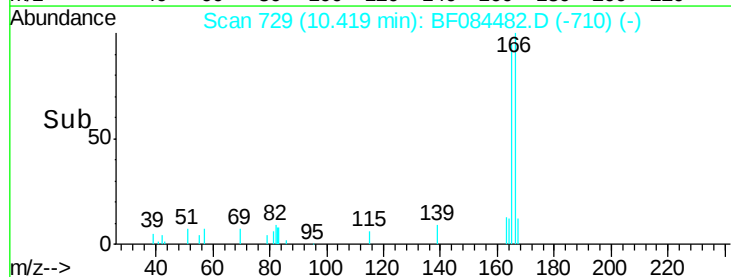
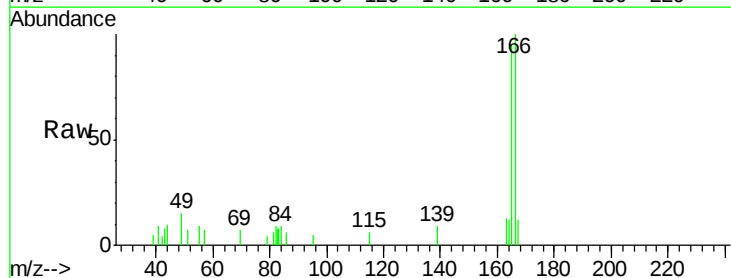
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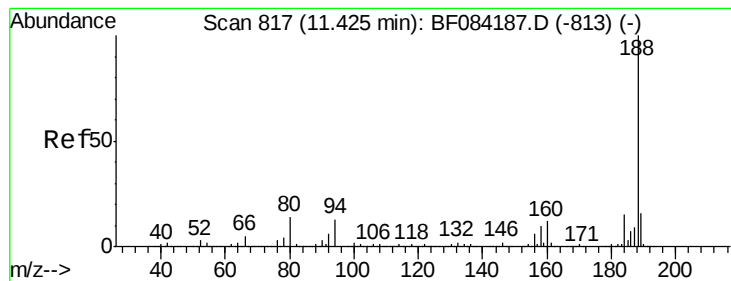
Tot Ion:165 Resp: 63339
Ion Ratio Lower Upper
165 100
63 1.4 36.7 55.1#
89 1.4 61.9 92.9#
182 0.0 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 729
Delta R.T. -0.08 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

Tgt Ion:166 Resp: 7625
Ion Ratio Lower Upper
166 100
165 95.4 79.1 118.7
167 11.8 10.4 15.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.07 min

Lab File: BF084482.D

Acq: 14 Jan 2016 11:03

Instrument :

BNA_F

ClientSampleId :

POST-EX-4-20160108

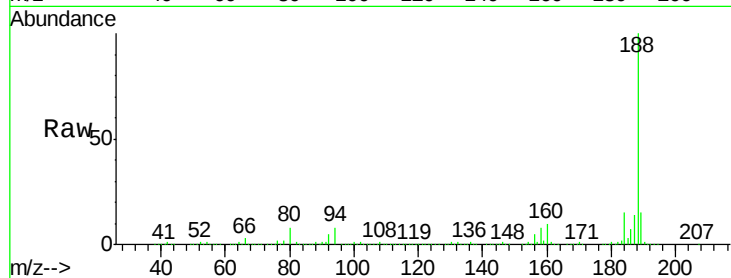
Tot Ion:188 Resp: 743813

Ion Ratio Lower Upper

188 100

94 8.2 9.0 13.4#

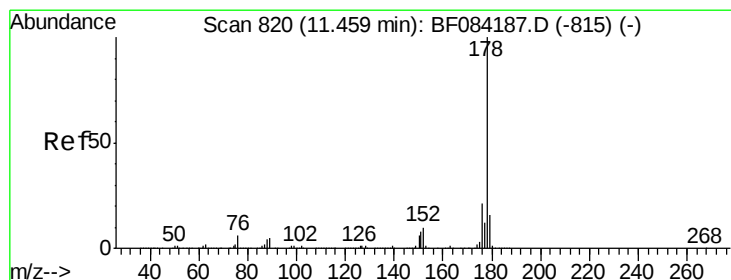
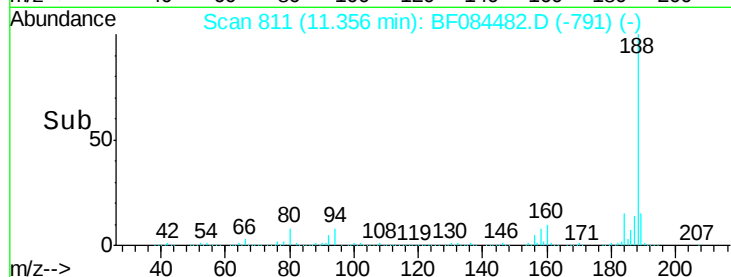
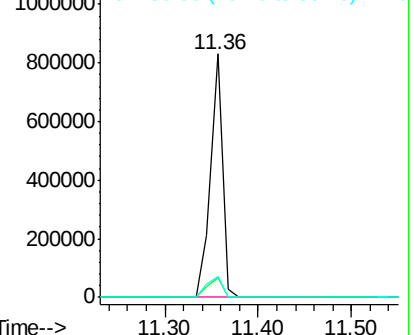
80 8.4 9.6 14.4#



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: 2.82 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.08 min

Lab File: BF084482.D

Acq: 14 Jan 2016 11:03

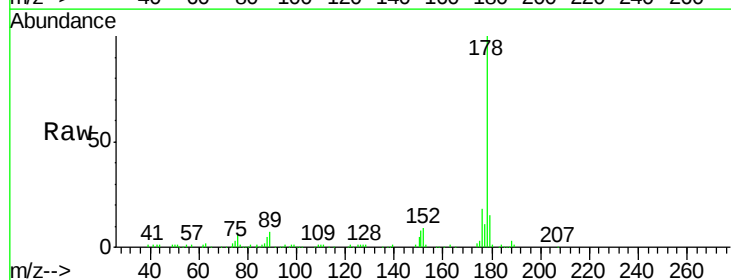
Tgt Ion:178 Resp: 109762

Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

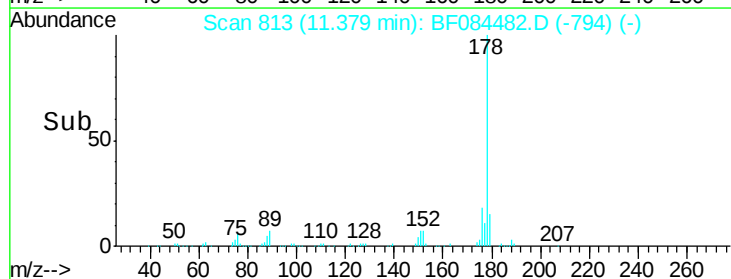
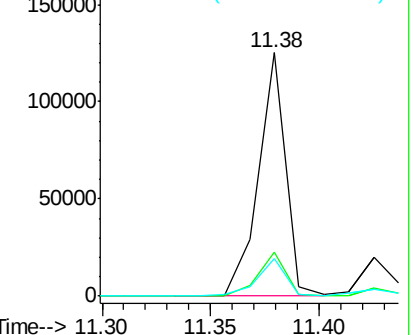
179 15.4 12.0 18.0

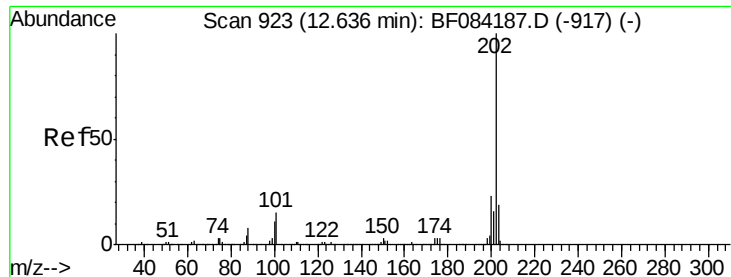


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.61 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.07 min

Lab File: BF084482.D

Acq: 14 Jan 2016 11:03

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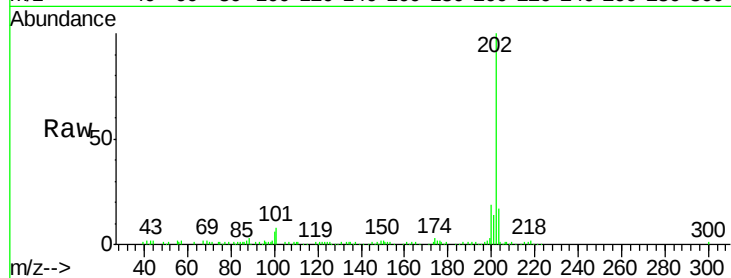
Tot Ion:202 Resp: 106221

Ion Ratio Lower Upper

202 100

101 7.9 0.0 32.8

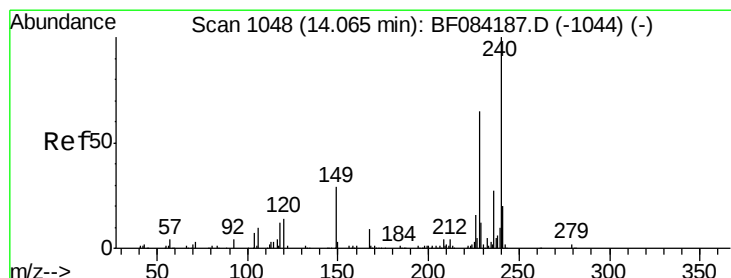
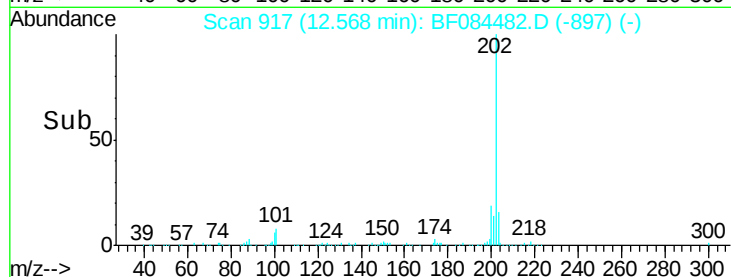
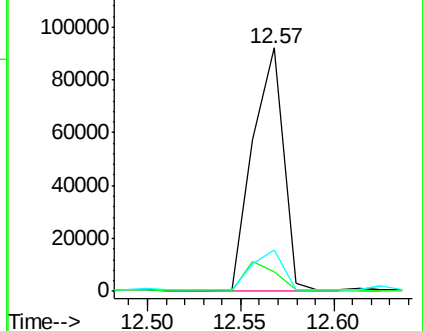
203 17.1 0.0 37.9



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. -0.08 min

Lab File: BF084482.D

Acq: 14 Jan 2016 11:03

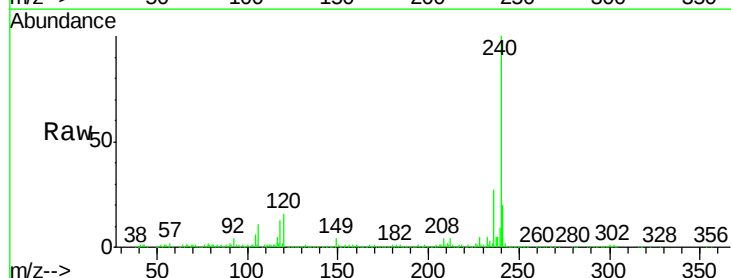
Tgt Ion:240 Resp: 553174

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

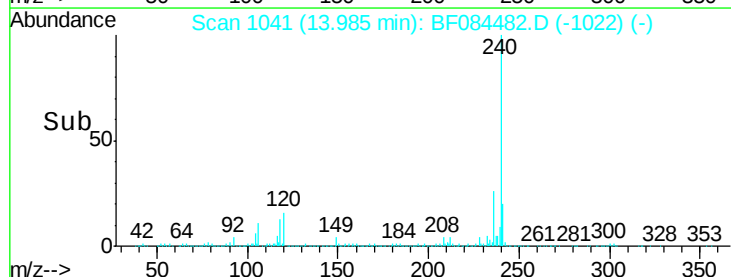
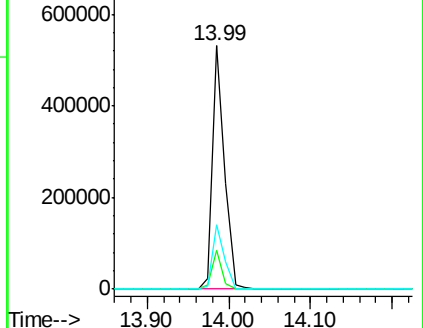
236 26.5 20.6 31.0

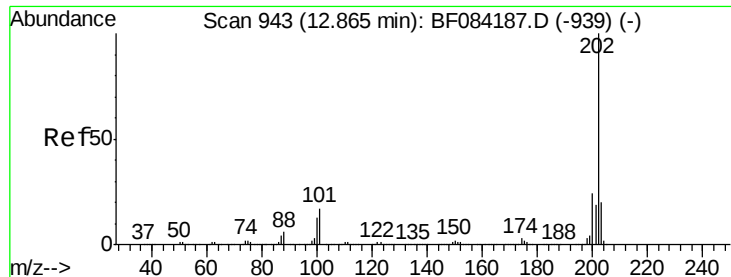


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

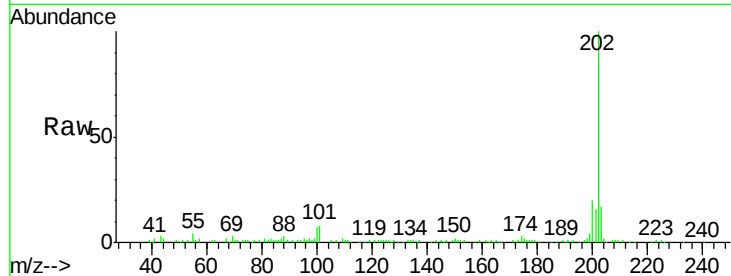




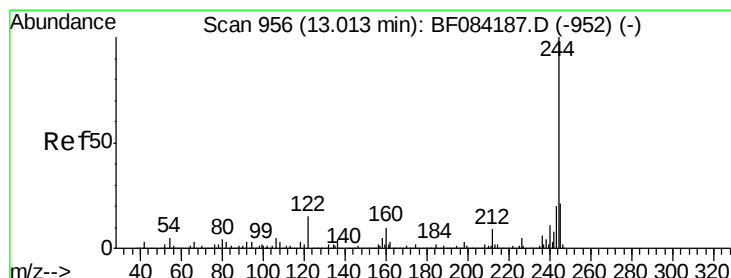
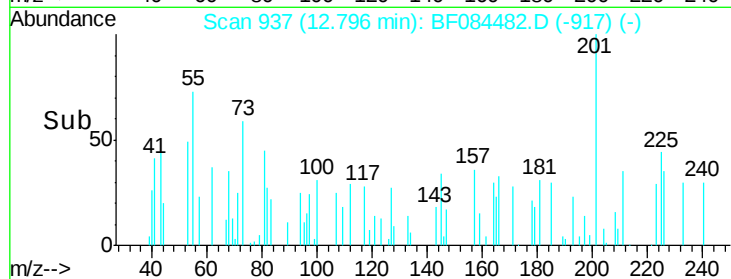
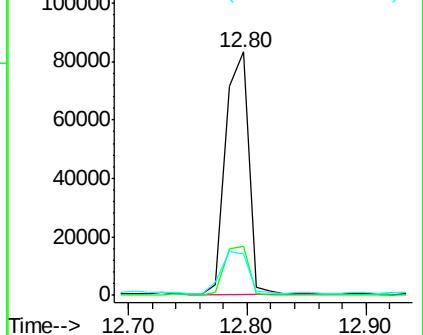
#77
Pvrene
Concen: 2.55 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.07 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

Instrument :
BNA_F
ClientSampleId :
POST-EX-4-20160108

Tot Ion:202 Resp: 110895
Ion Ratio Lower Upper
202 100
200 20.0 17.2 25.8
203 16.9 14.3 21.5

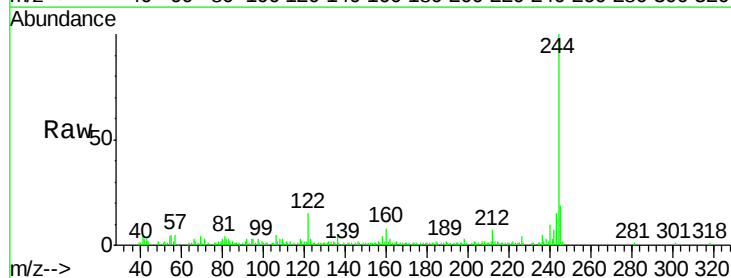


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

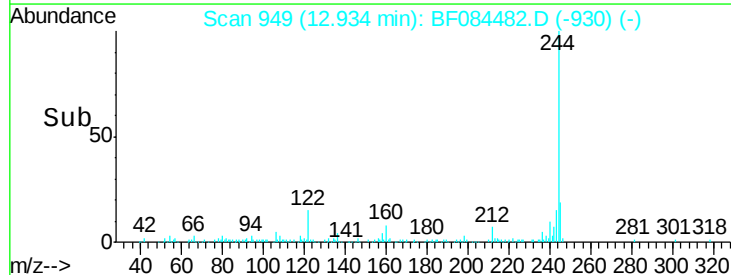
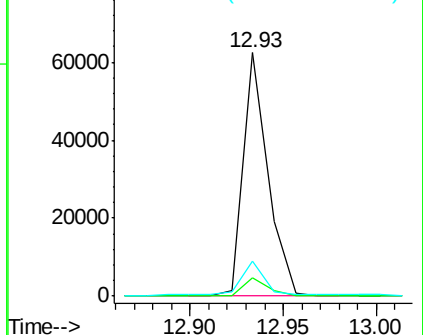


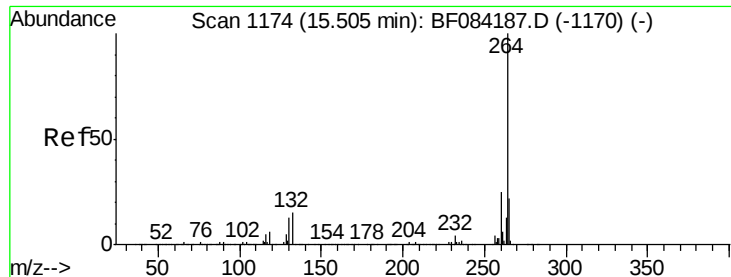
#78
Terphenyl-d14
Concen: 2.31 ng
RT: 12.93 min Scan# 949
Delta R.T. -0.08 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

Tgt Ion:244 Resp: 57331
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 14.6 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

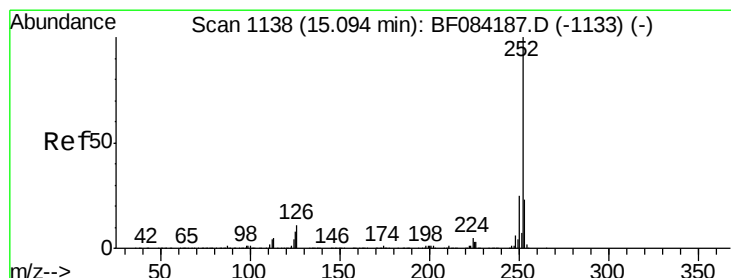
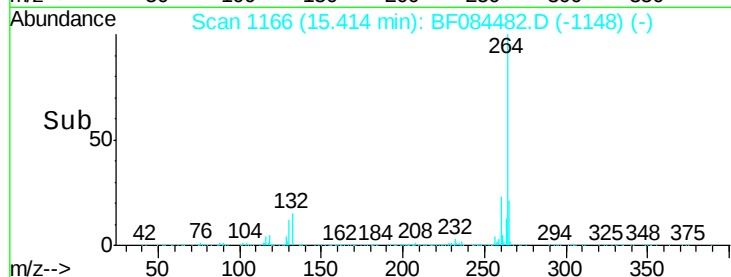
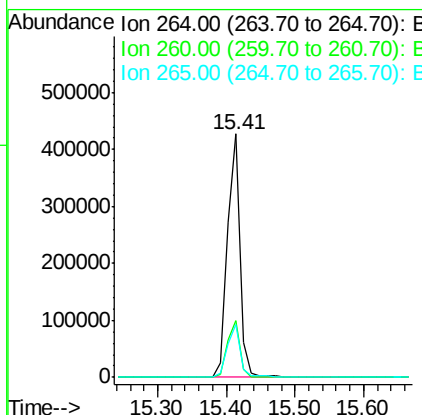
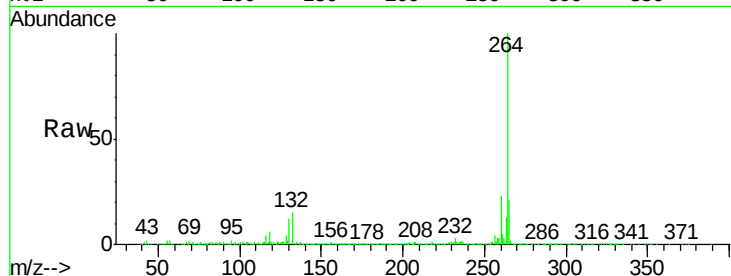




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.09 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

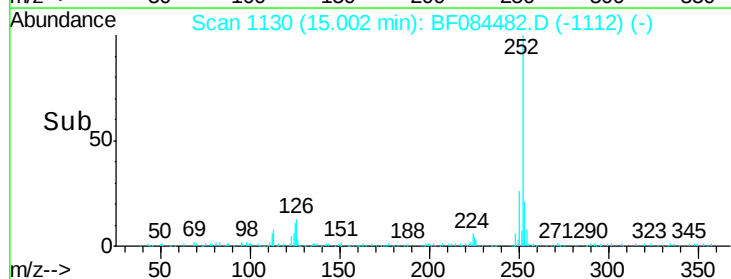
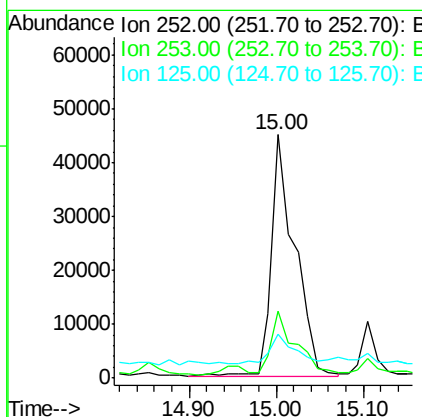
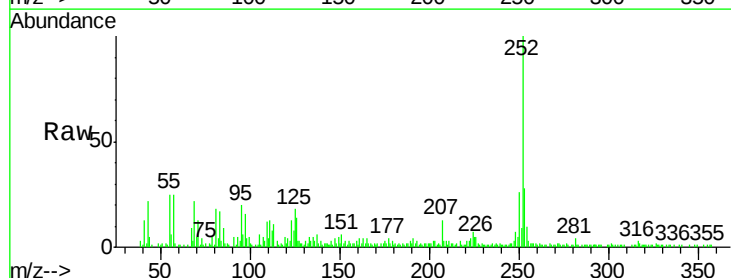
Instrument :
BNA_F
ClientSampleId :
POST-EX-4-20160108

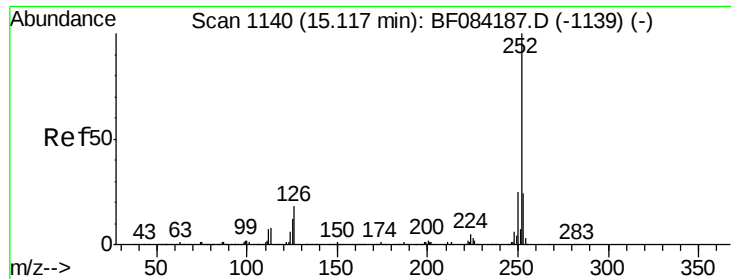
Tot Ion:264 Resp: 557439
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 21.5 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 2.28 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.09 min
Lab File: BF084482.D
Acq: 14 Jan 2016 11:03

Tgt Ion:252 Resp: 83046
Ion Ratio Lower Upper
252 100
253 27.6 17.3 25.9#
125 18.0 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 2.78 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.11 min

Lab File: BF084482.D

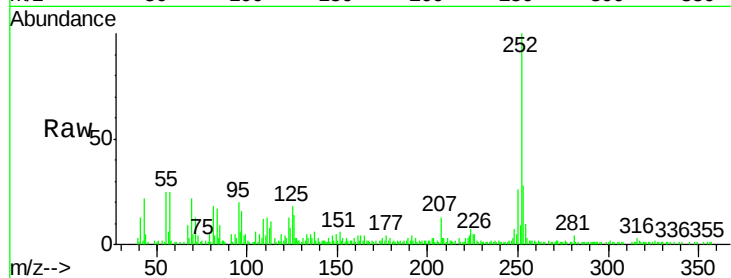
Acq: 14 Jan 2016 11:03

Instrument :

BNA_F

ClientSampleId :

POST-EX-4-20160108



Tot Ion:	252	Resp:	83046
Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.1	27.1#
125	18.0	9.0	13.6#

