

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088391.D
 Acq On : 25 Jun 2016 22:03
 Operator : UM/SJ
 Sample : H3629-06
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

Quant Time: Jun 26 03:47:32 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

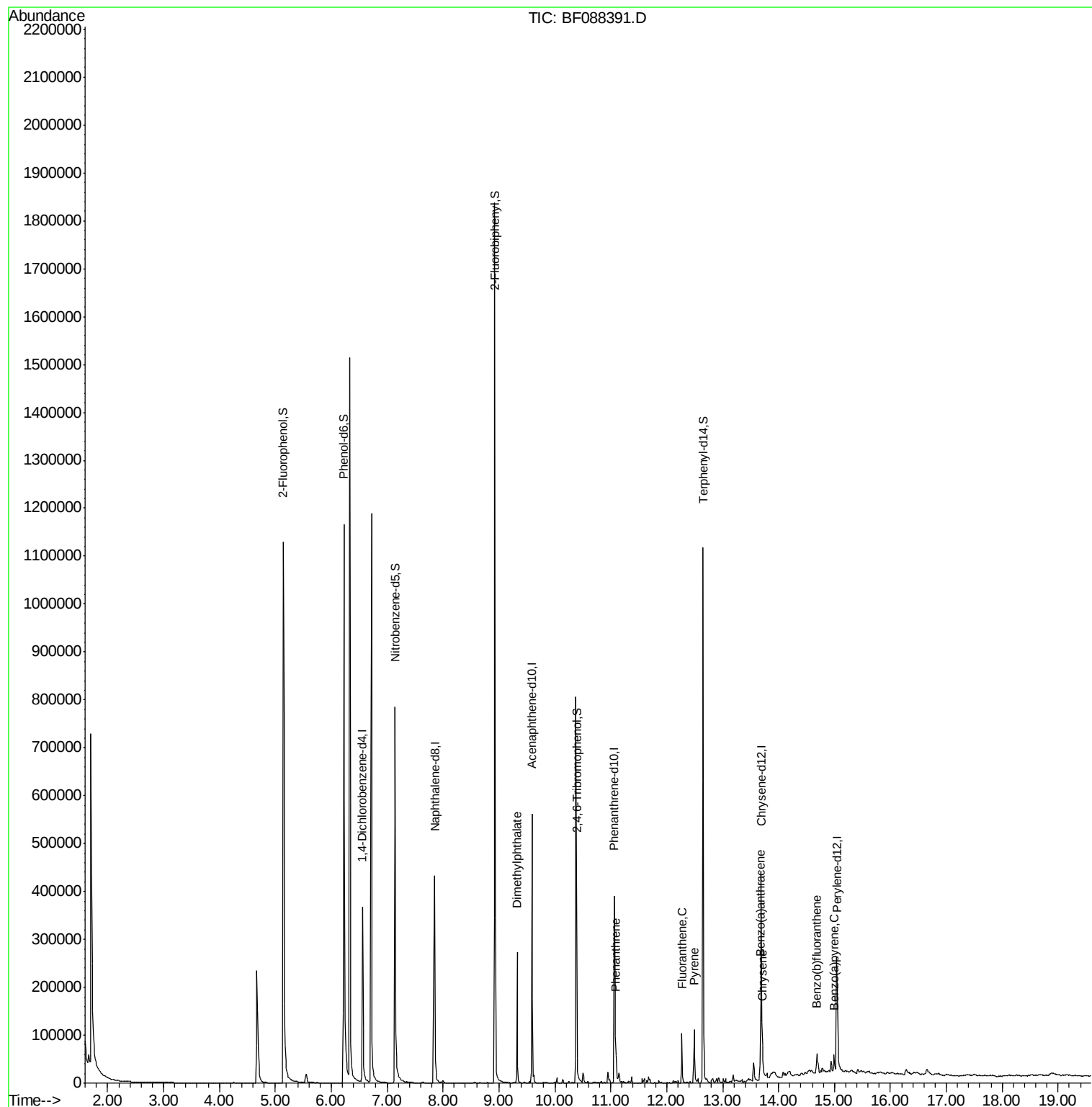
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	73188	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	277700	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	120770	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	191616	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	154872	20.00	ng	-0.06
86) Perylene-d12	15.04	264	120318	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	524459	122.50	ng	-0.03
7) Phenol-d6	6.23	99	628294	121.10	ng	-0.03
23) Nitrobenzene-d5	7.14	82	410976	86.42	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	129996	101.94	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	646307	84.00	ng	-0.05
78) Terphenyl-d14	12.65	244	453864	66.69	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.32	163	114120	13.04	ng	99
70) Phenanthrene	11.08	178	39595	3.94	ng	99
74) Fluoranthene	12.27	202	53670	5.06	ng	95
77) Pyrene	12.49	202	56627	4.93	ng	96
80) Benzo(a)anthracene	13.68	228	26637	3.02	ng	98
82) Chrysene	13.71	228	21585	2.60	ng	98
87) Benzo(b)fluoranthene	14.69	252	20537m	2.45	ng	
89) Benzo(a)pyrene	14.99	252	17214	2.54	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

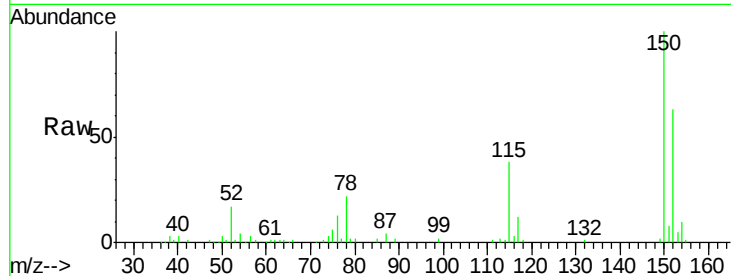
Tot Ion:152 Resp: 73188

Ion Ratio Lower Upper

152 100

150 159.9 123.8 185.6

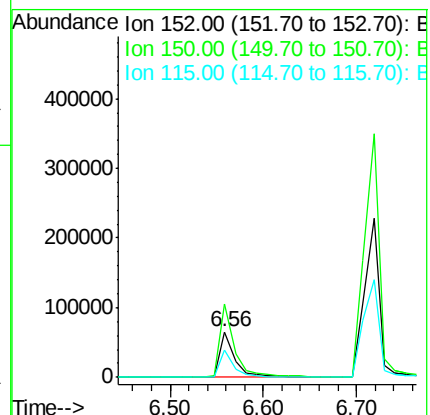
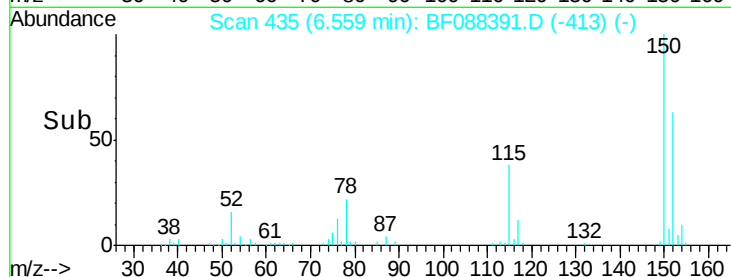
115 61.2 39.6 59.4#



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: 122.50 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.03 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

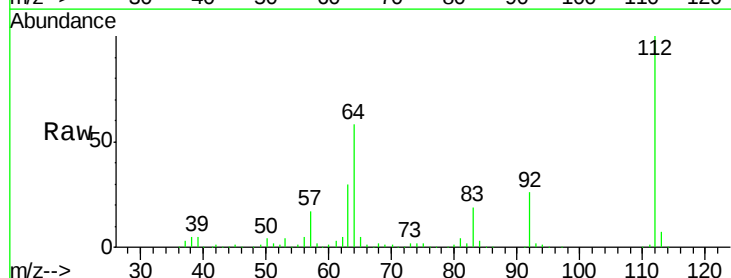
Tgt Ion:112 Resp: 524459

Ion Ratio Lower Upper

112 100

64 57.5 42.2 63.2

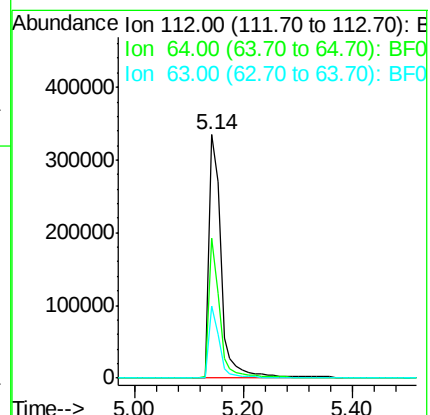
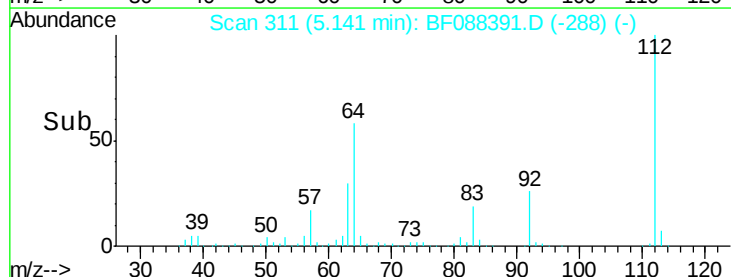
63 29.6 21.8 32.8



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: 121.10 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

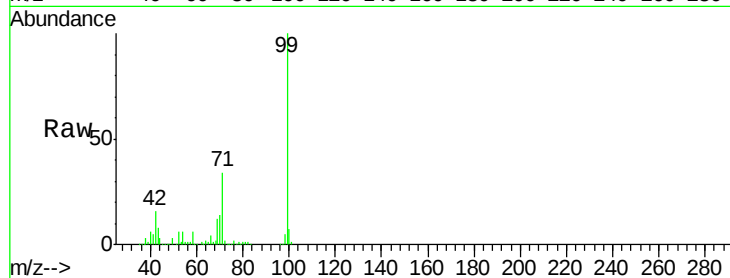
Tot Ion: 99 Resp: 628294

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

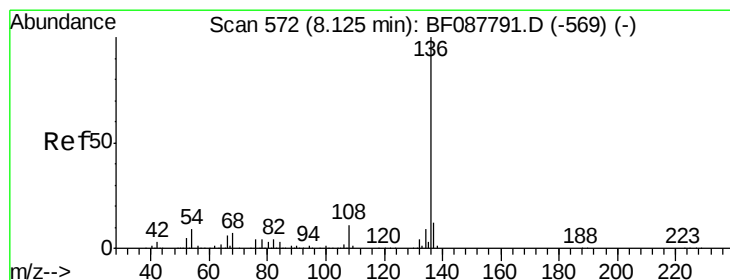
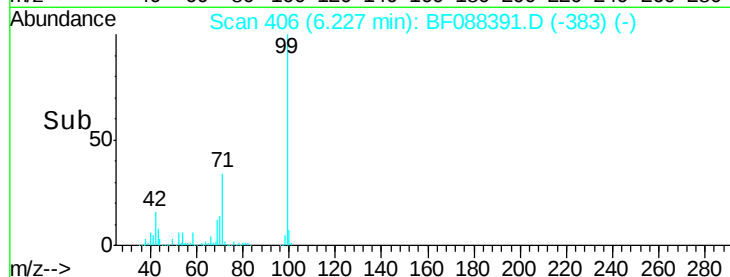
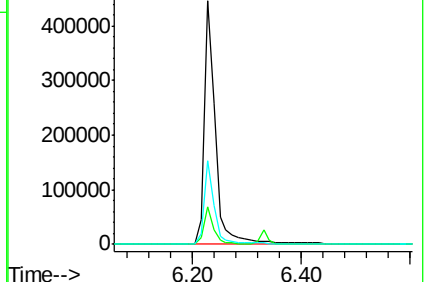
71 34.4 23.4 35.0



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: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

Tgt Ion: 136 Resp: 277700

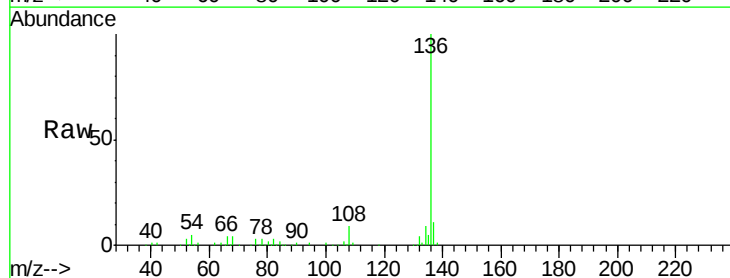
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.1 6.6 10.0#

68 4.4 5.1 7.7#

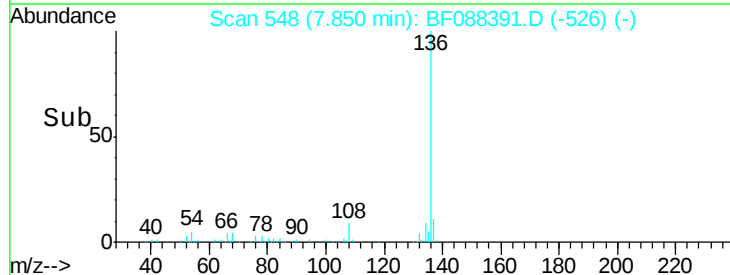
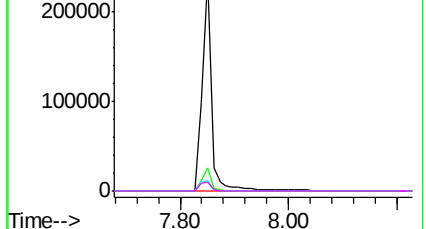


Abundance Ion 136.00 (135.70 to 136.70): E

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

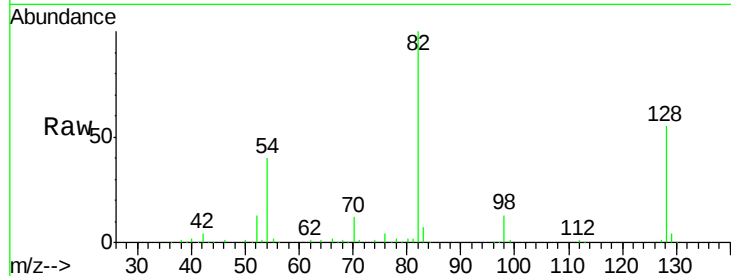




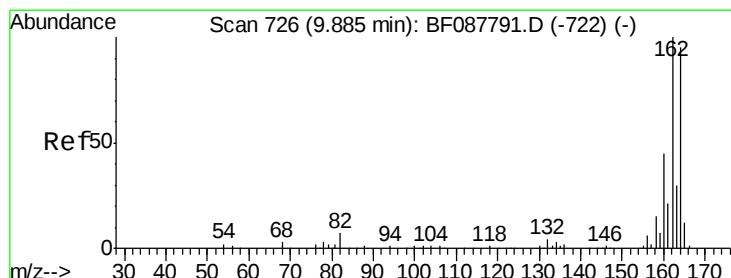
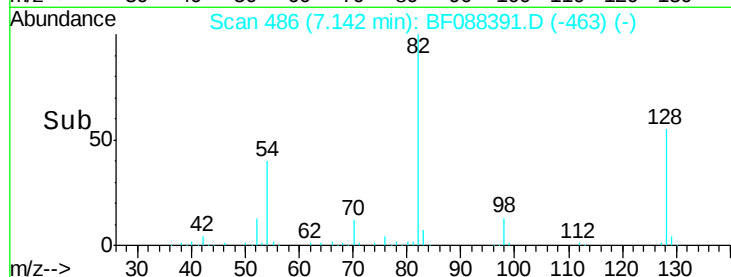
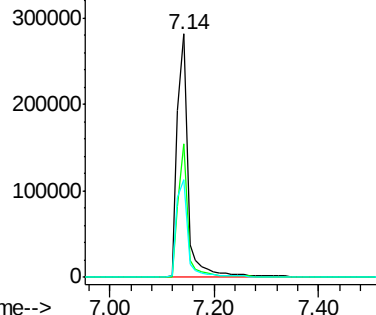
#23
 Nitrobenzene-d5
 Concen: 86.42 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088391.D
 Acq: 25 Jun 2016 22:03

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

Tot Ion: 82 Resp: 410976
 Ion Ratio Lower Upper
 82 100
 128 54.6 35.9 53.9#
 54 40.4 40.9 61.3#

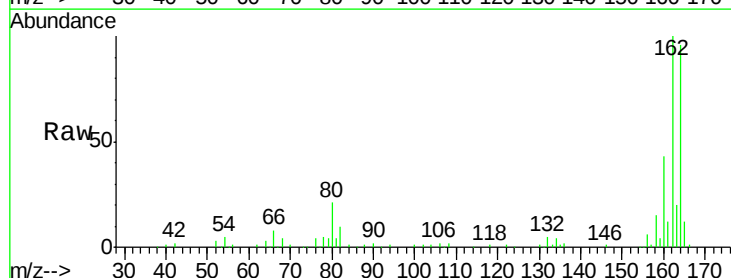


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

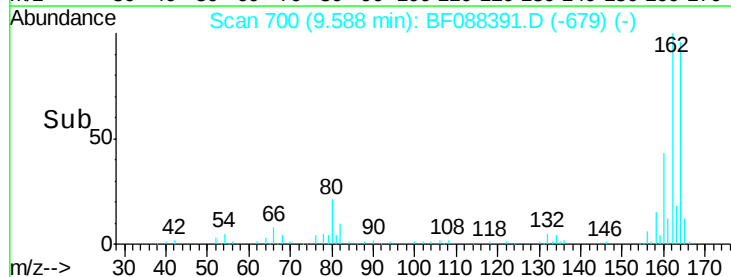
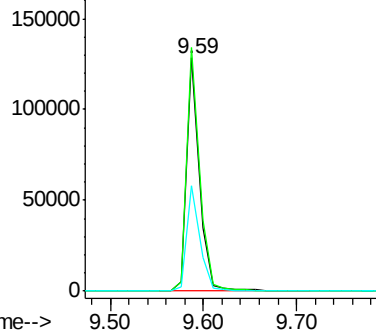


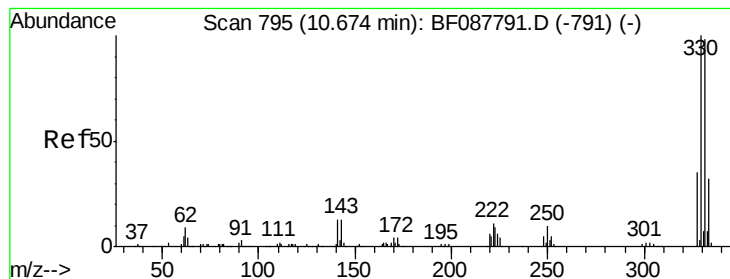
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088391.D
 Acq: 25 Jun 2016 22:03

Tgt Ion:164 Resp: 120770
 Ion Ratio Lower Upper
 164 100
 162 104.4 85.4 128.2
 160 45.2 39.5 59.3



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

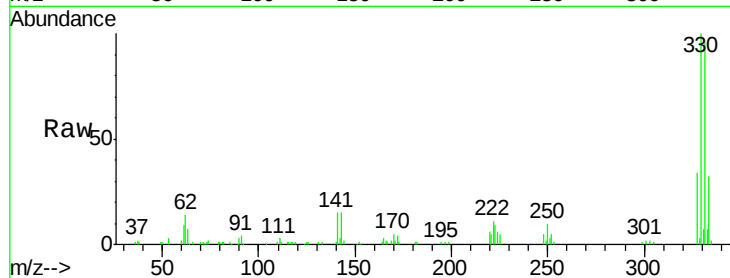




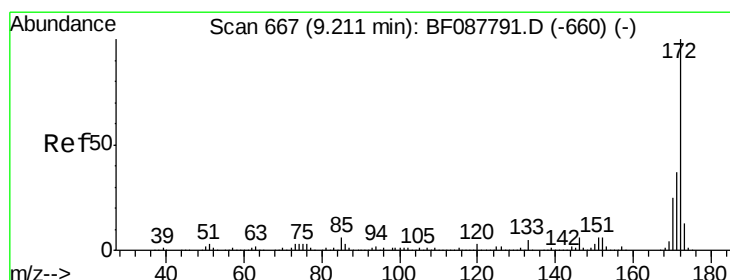
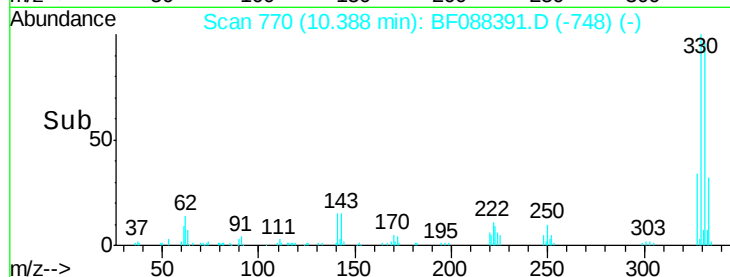
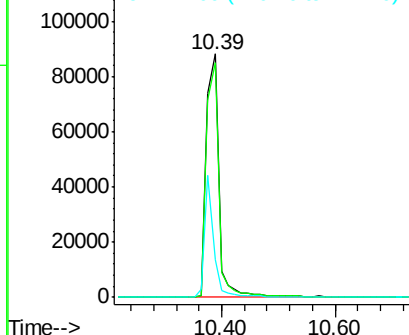
#41
 2,4,6-Tribromophenol
 Concen: 101.94 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088391.D
 Acq: 25 Jun 2016 22:03

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	35.8	0.0	0.0#

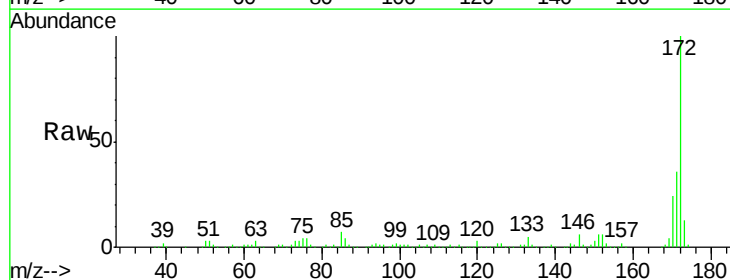


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

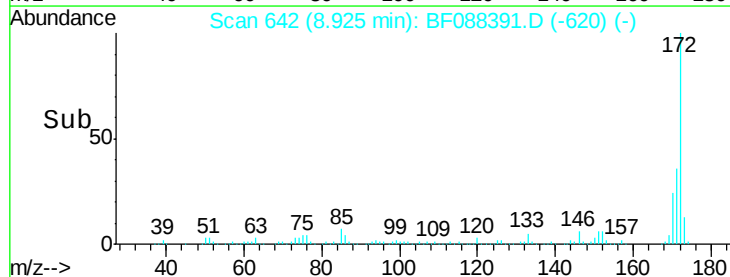
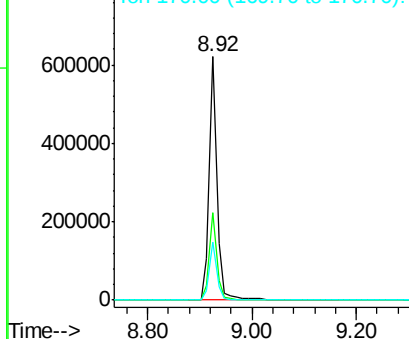


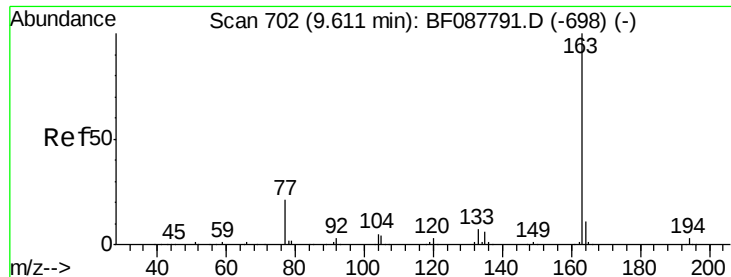
#44
 2-Fluorobiphenyl
 Concen: 84.00 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088391.D
 Acq: 25 Jun 2016 22:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.0	19.2	28.8



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





#49

Dimethylphthalate

Concen: 13.04 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

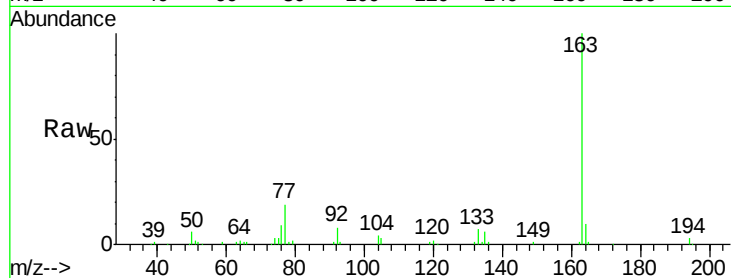
Tot Ion:163 Resp: 114120

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

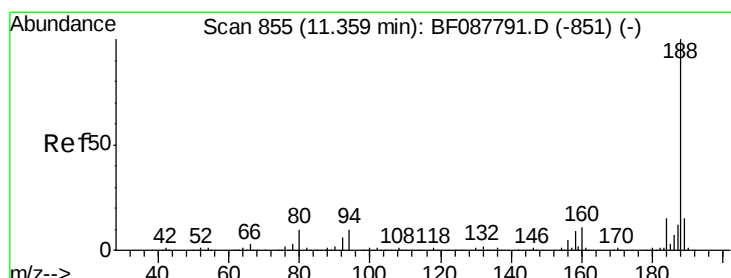
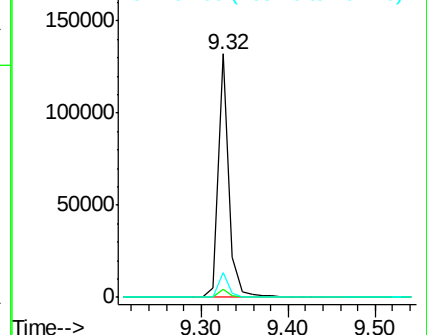
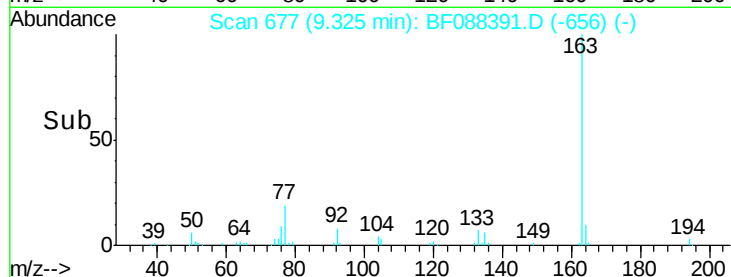
164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 829

Delta R.T. -0.06 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

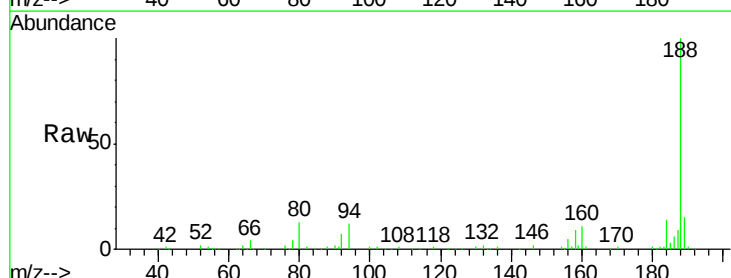
Tgt Ion:188 Resp: 191616

Ion Ratio Lower Upper

188 100

94 11.9 9.0 13.6

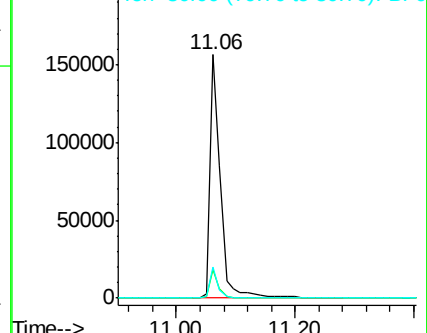
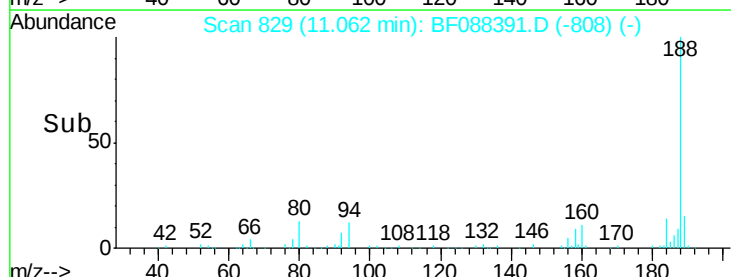
80 12.7 10.0 15.0

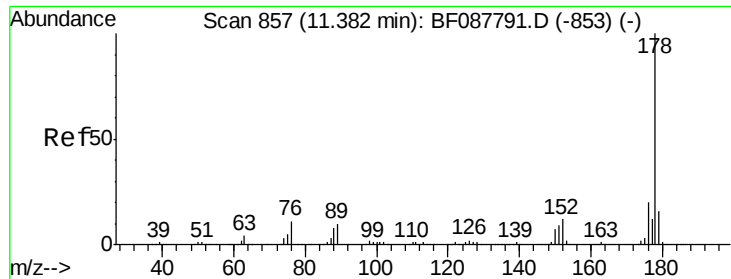


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

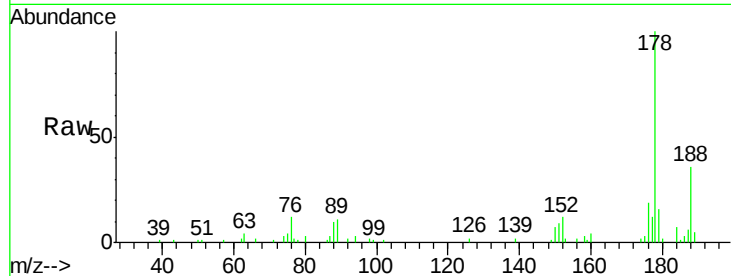




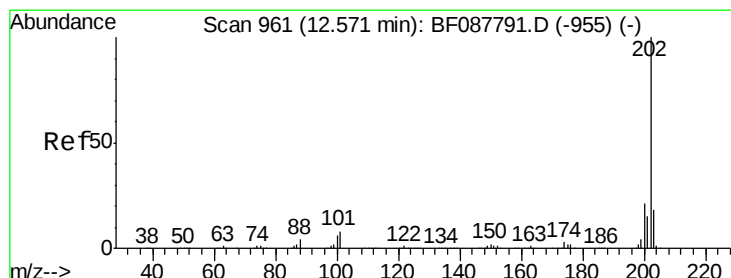
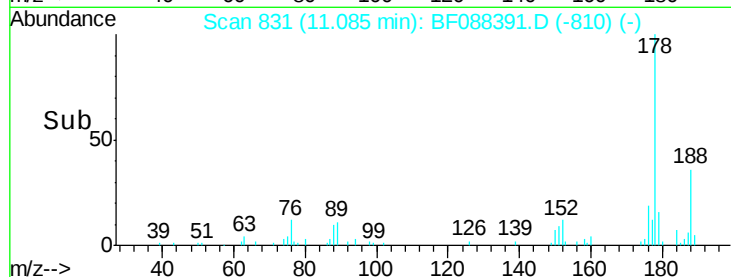
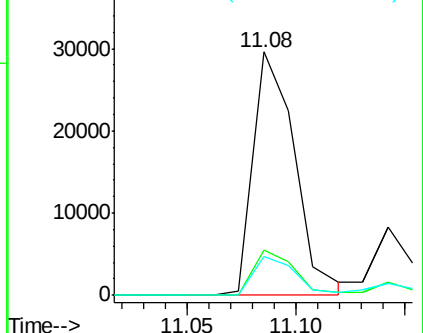
#70
Phenanthrene
Concen: 3.94 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088391.D
Acq: 25 Jun 2016 22:03

Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.6
179	16.1	13.0	19.4

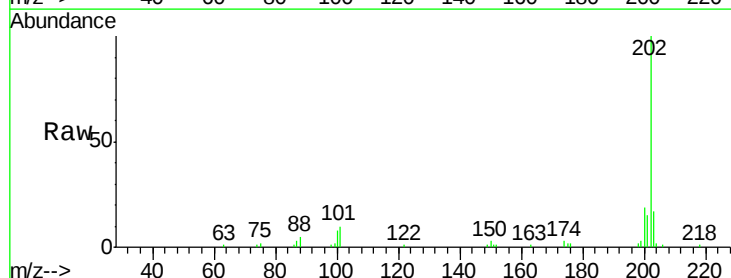


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

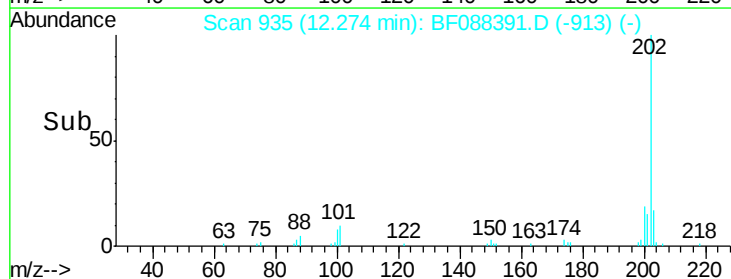
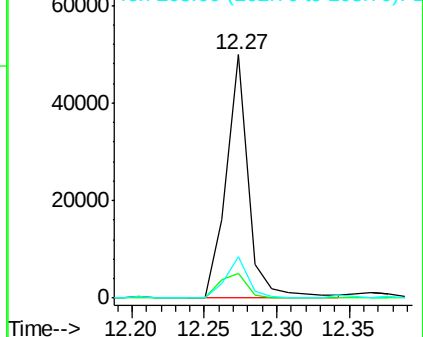


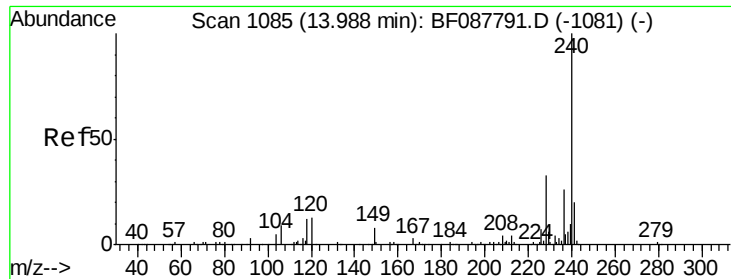
#74
Fluoranthene
Concen: 5.06 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF088391.D
Acq: 25 Jun 2016 22:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	33.1
203	16.9	0.0	38.1



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: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

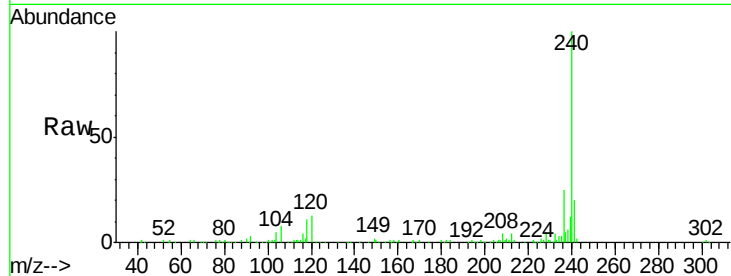
Tot Ion:240 Resp: 154872

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

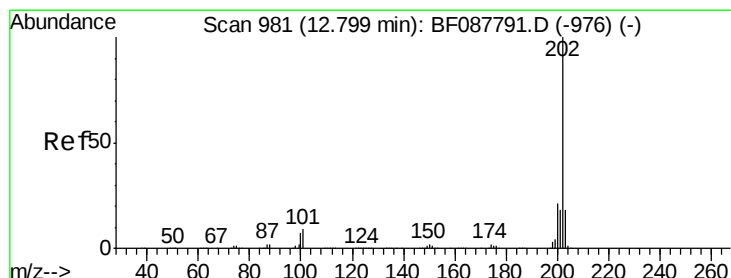
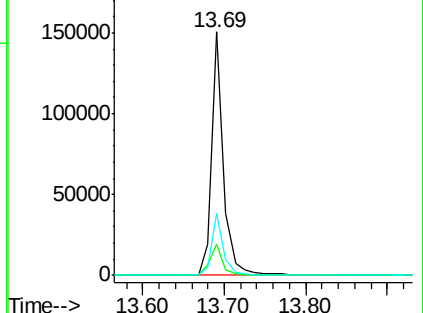
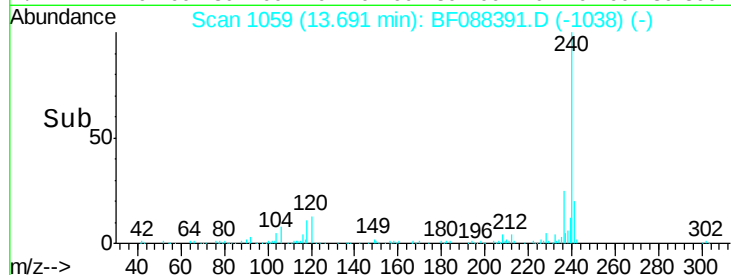
236 25.4 20.2 30.2



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

Pyrene

Concen: 4.93 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

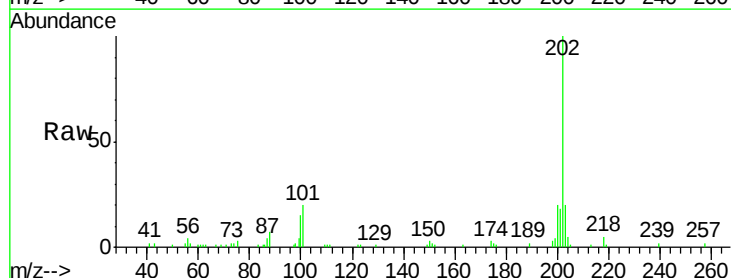
Tgt Ion:202 Resp: 56627

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

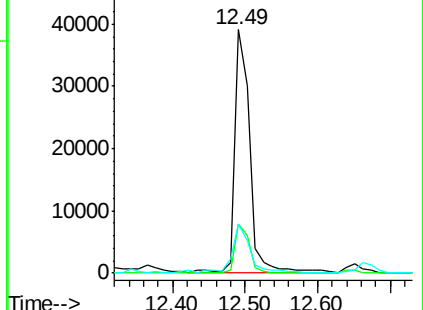
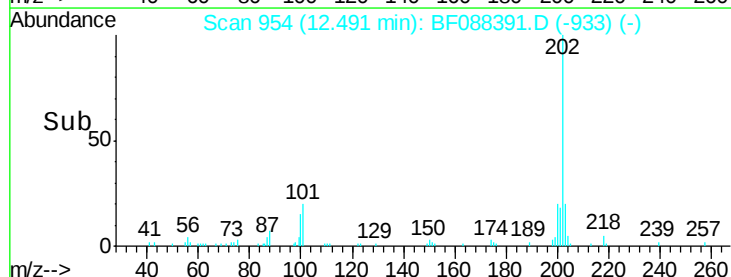
203 20.1 14.5 21.7

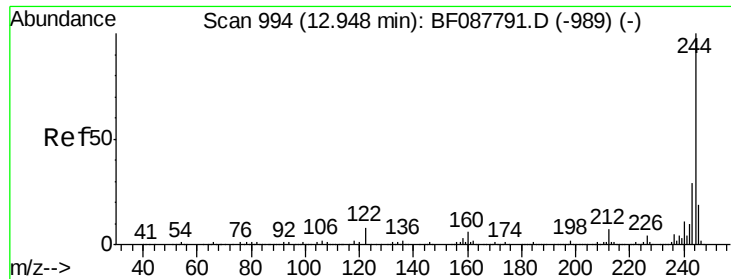


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

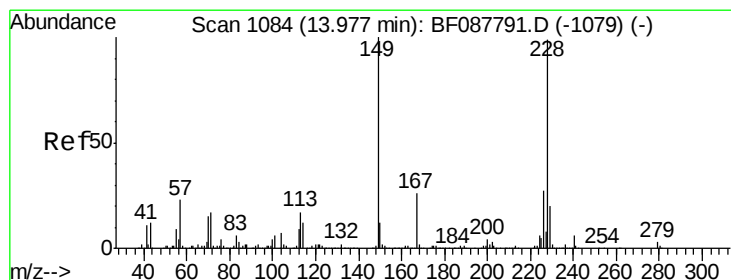
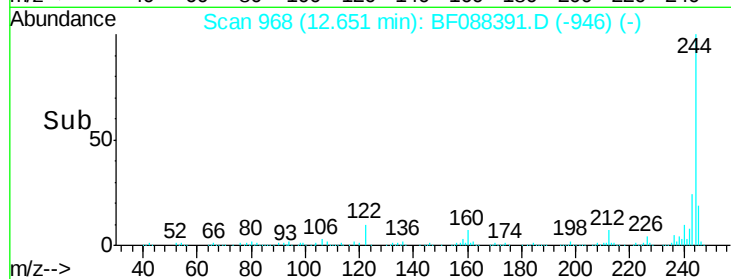
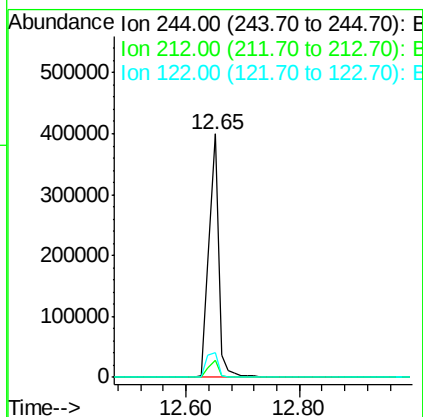
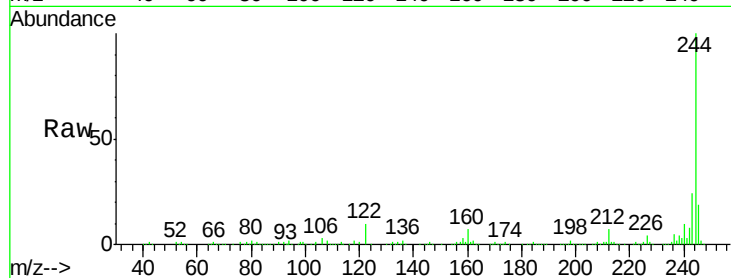




#78
 Terphenyl-d14
 Concen: 66.69 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088391.D
 Acq: 25 Jun 2016 22:03

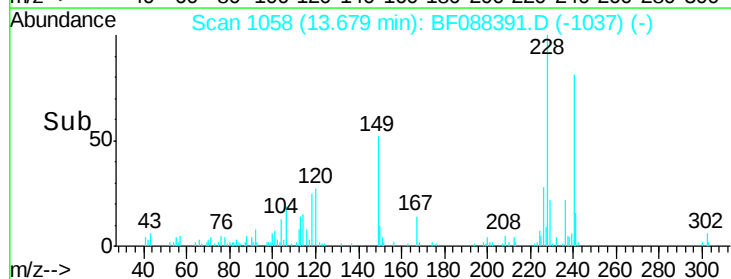
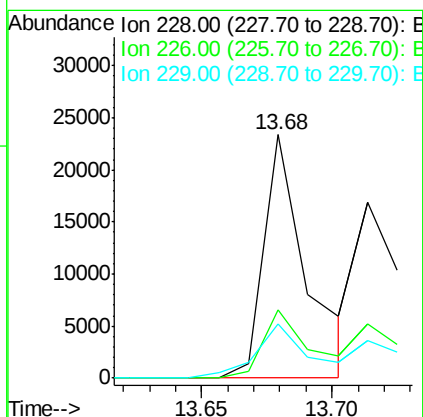
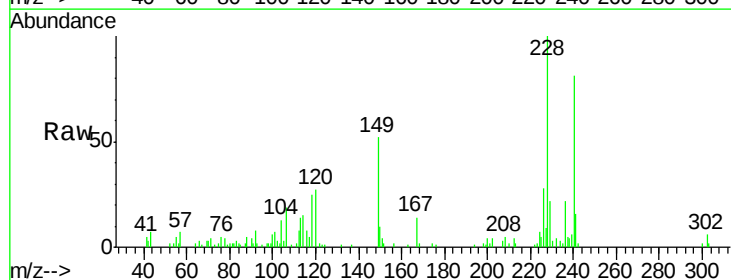
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

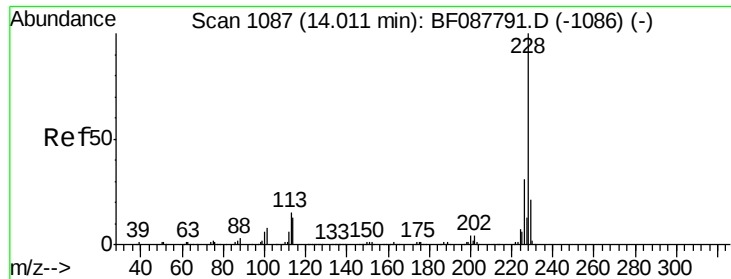
Tot Ion:244 Resp: 453864
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 10.0 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 3.02 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF088391.D
 Acq: 25 Jun 2016 22:03

Tgt Ion:228 Resp: 26637
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.3 33.5
 229 22.2 16.0 24.0

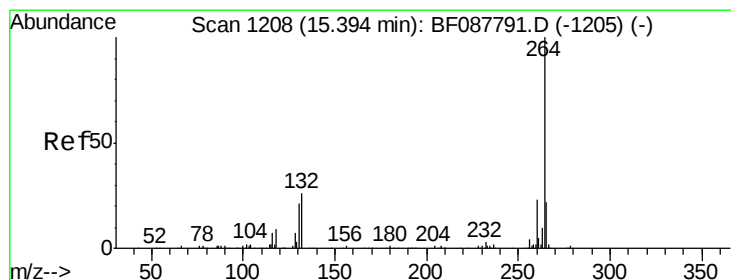
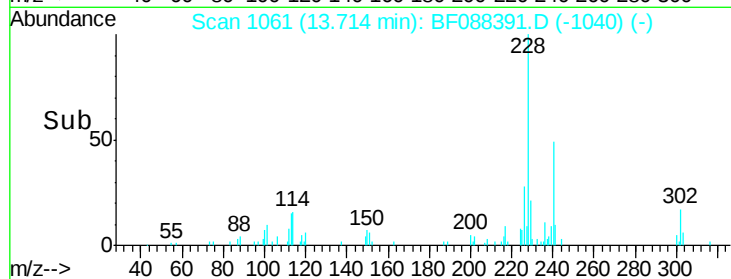
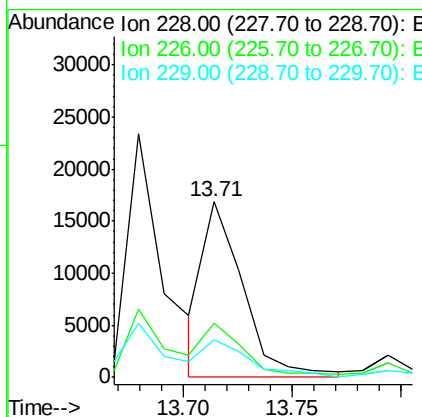
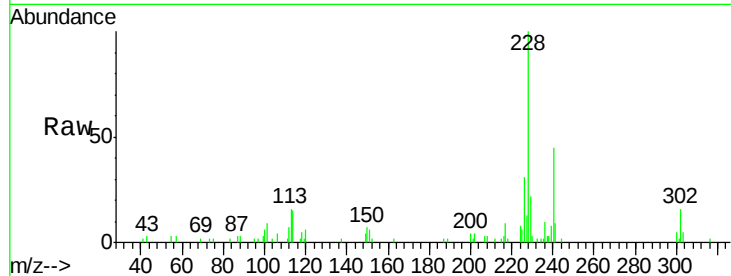




#82
Chrysene
Concen: 2.60 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.06 min
Lab File: BF088391.D
Acq: 25 Jun 2016 22:03

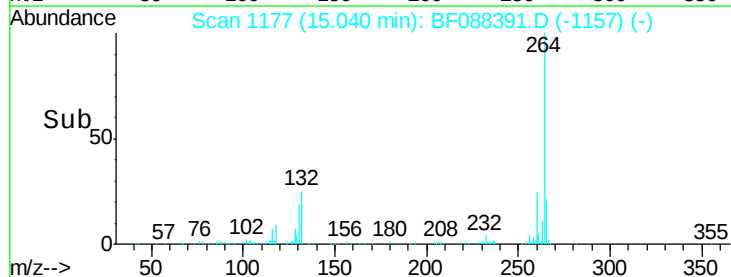
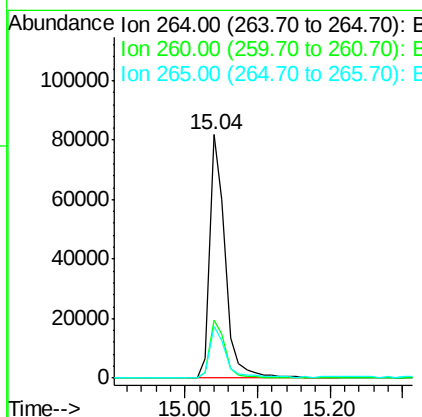
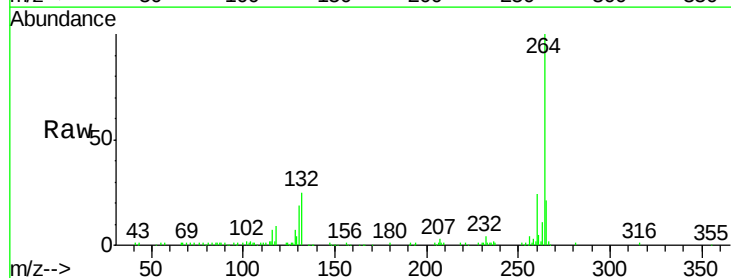
Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

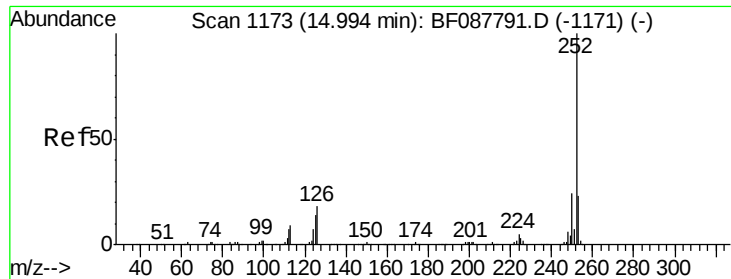
Tot Ion:228 Resp: 21585
Ion Ratio Lower Upper
228 100
226 30.6 25.4 38.2
229 21.7 16.3 24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088391.D
Acq: 25 Jun 2016 22:03

Tgt Ion:264 Resp: 120318
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 20.9 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 2.45 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.06 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

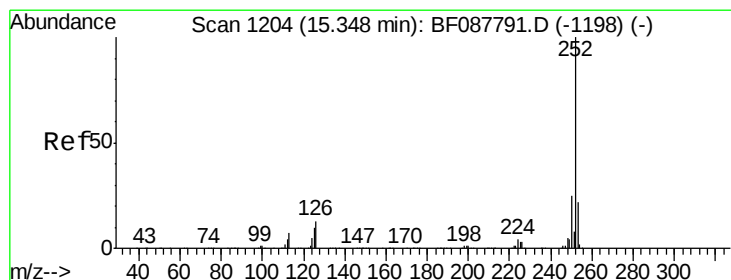
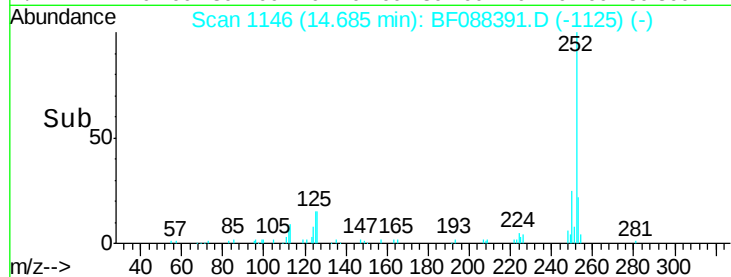
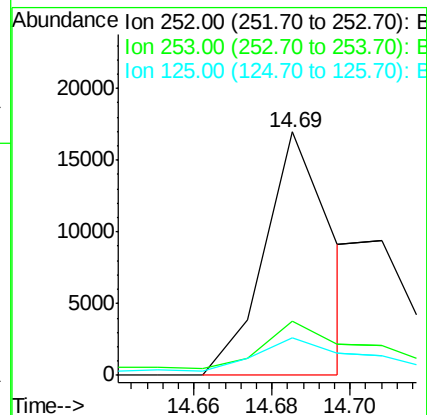
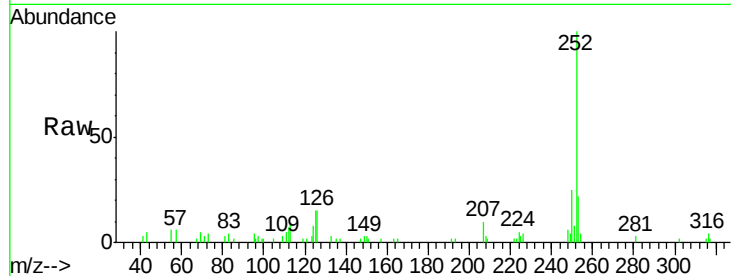
Tot Ion:252 Resp: 20537

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 15.3 7.1 10.7#



#89

Benzo(a)pyrene

Concen: 2.54 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.06 min

Lab File: BF088391.D

Acq: 25 Jun 2016 22:03

Tgt Ion:252 Resp: 17214

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 16.2 12.5 18.7

