

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062816\
 Data File : BF088489.D
 Acq On : 28 Jun 2016 20:07
 Operator : UM/SJ
 Sample : H3602-07DL2 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Q8-B4(0-2)CDL2

Quant Time: Jun 29 08:36:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	97401	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	426886	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	198235	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	341202	20.00	ng	-0.03
75) Chrysene-d12	13.66	240	261187	20.00	ng	-0.03
86) Perylene-d12	15.01	264	185162	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units
5) 2-Fluorophenol	0.00	112	0d	0.00	ng
7) Phenol-d6	0.00	99	0d	0.00	ng
23) Nitrobenzene-d5	0.00	82	0d	0.00	ng
41) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng
78) Terphenyl-d14	0.00	244	0d	0.00	ng

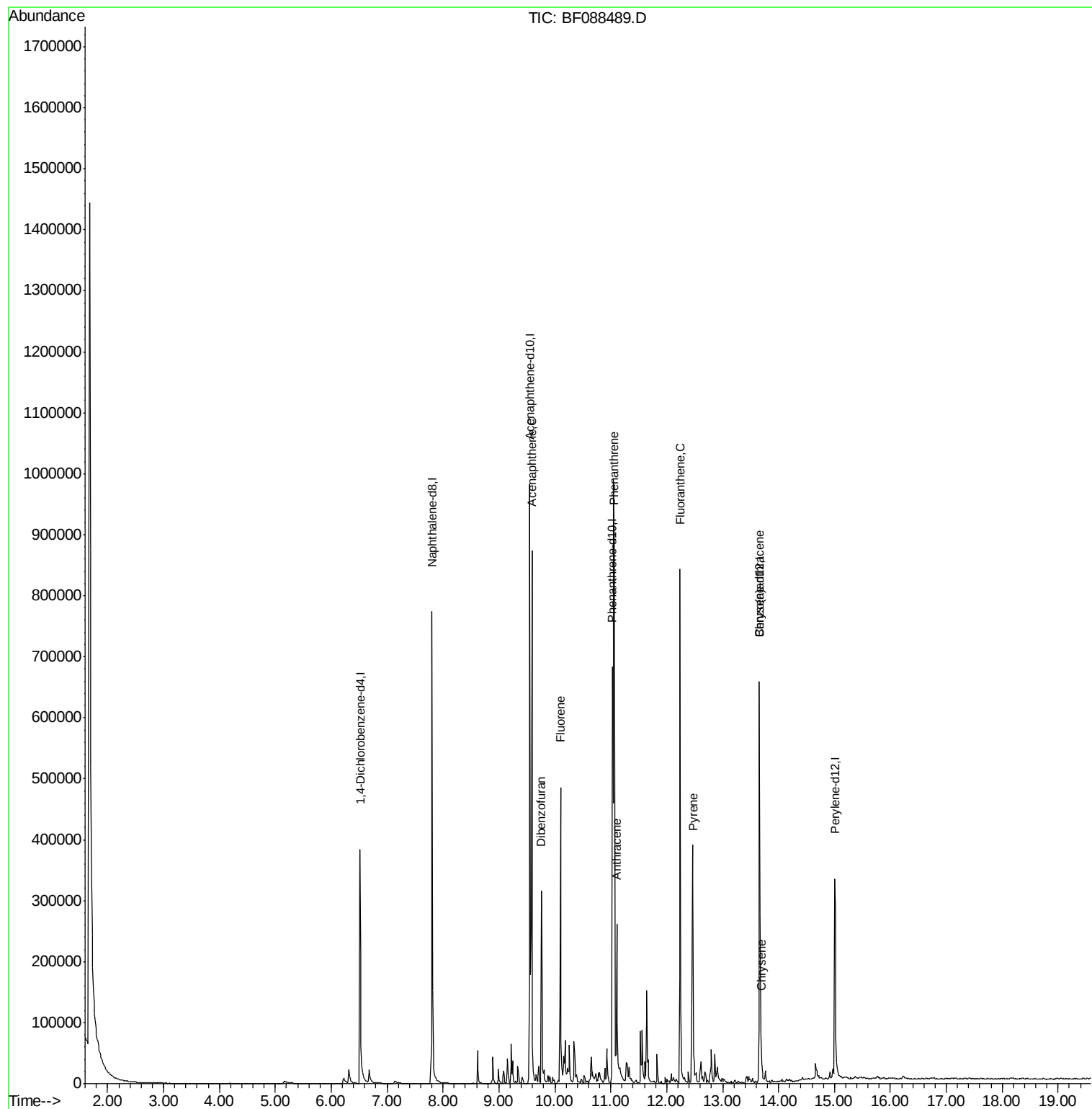
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) Acenaphthene	9.59	154	218532	17.17	ng	99
54) Dibenzofuran	9.76	168	164231	9.37	ng	94
57) Fluorene	10.10	166	170141	10.68	ng	98
70) Phenanthrene	11.06	178	593549	33.15	ng	97
71) Anthracene	11.11	178	148444	8.22	ng	97
74) Fluoranthene	12.24	202	371851	19.68	ng	97
77) Pyrene	12.47	202	230502	11.89	ng	99
80) Benzo(a)anthracene	13.66	228	39150m	2.63	ng	
82) Chrysene	13.69	228	30913m	2.21	ng	

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

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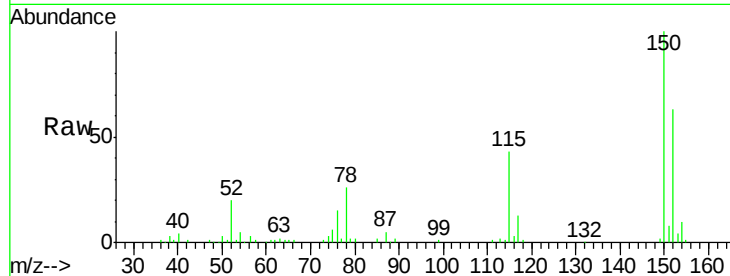


#1

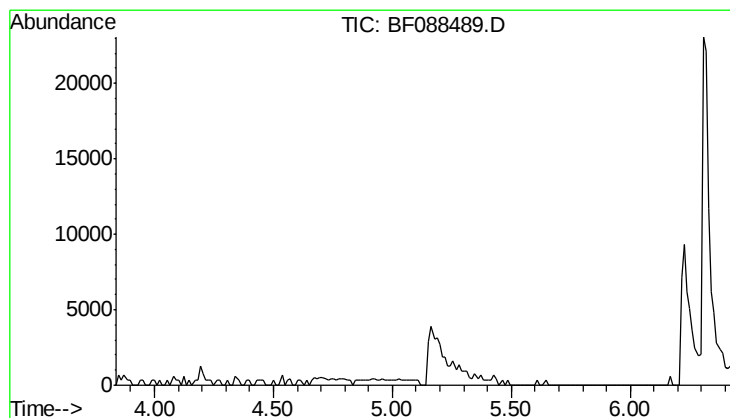
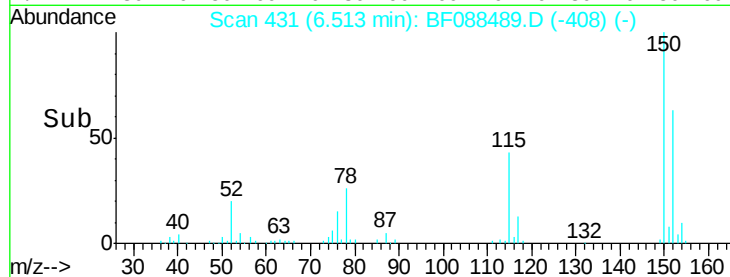
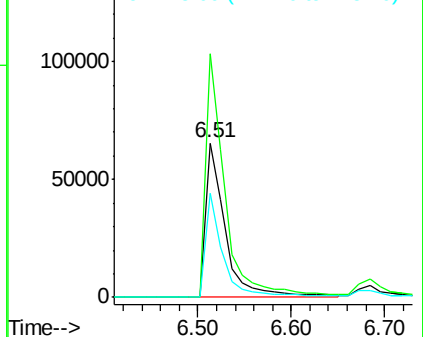
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF088489.D
Acq: 28 Jun 2016 20:07

Instrument :
BNA_G
ClientSampleId :
Q8-B4(0-2)CDL2

Tgt Ion:152 Resp: 97401
Ion Ratio Lower Upper
152 100
150 158.0 123.8 185.6
115 67.2 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

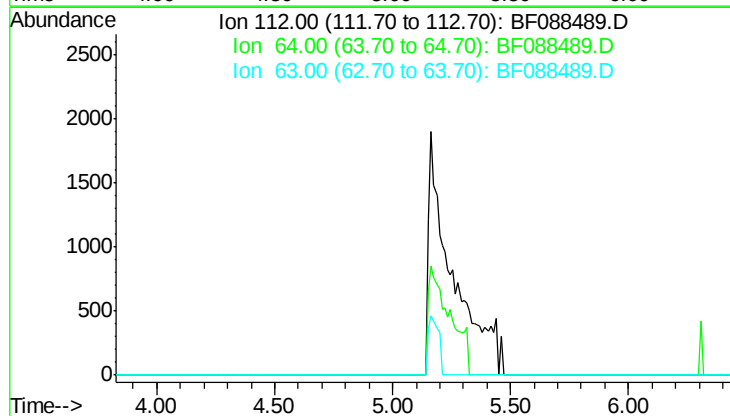


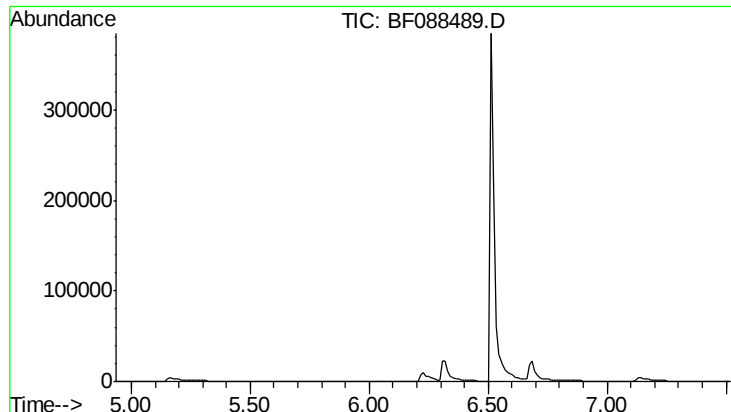
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.13 min

Lab File: BF088489.D
Acq: 28 Jun 2016 20:07

Tgt Ion: 112
Sig Exp Ratio
112 100
64 52.7
63 27.3

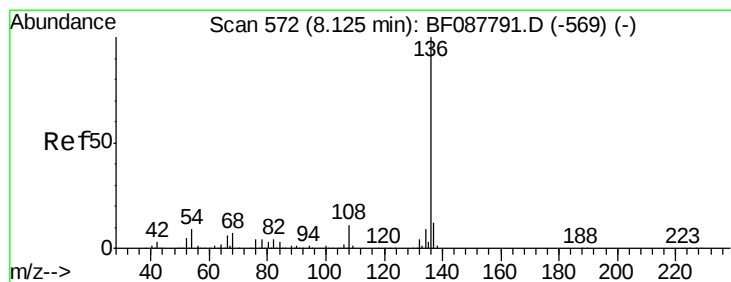
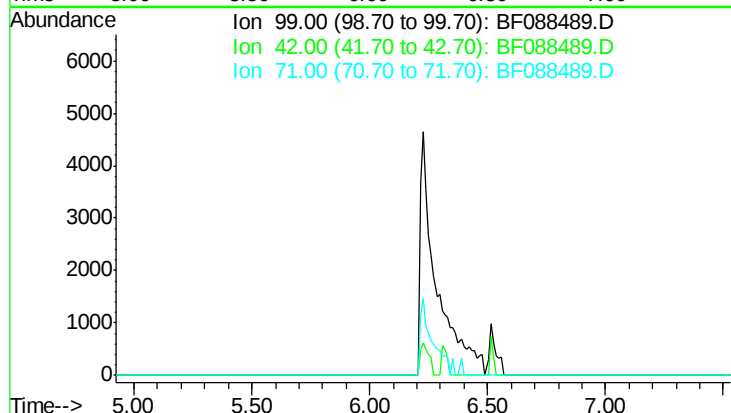




#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.23 min
 Lab File: BF088489.D
 Acq: 28 Jun 2016 20:07

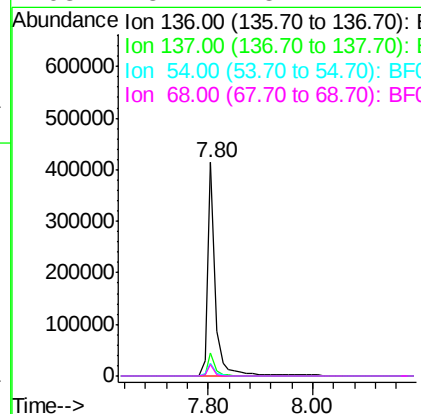
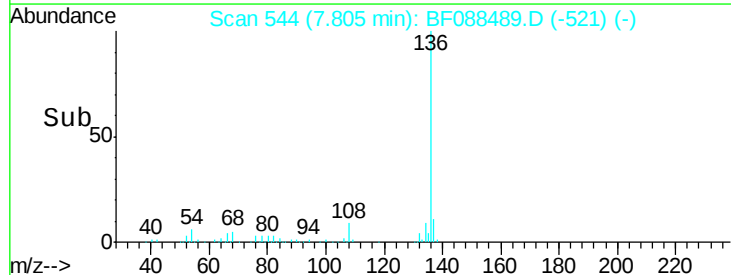
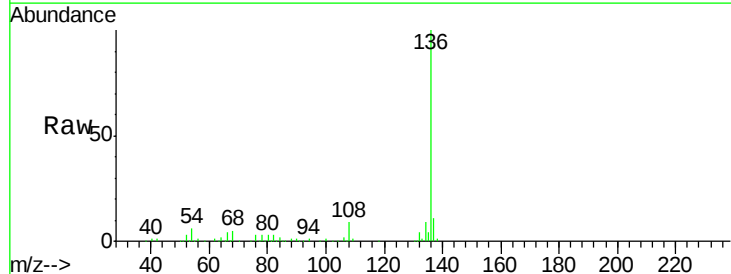
Instrument :
 BNA_G
 ClientSampleId :
 Q8-B4(0-2)CDL2

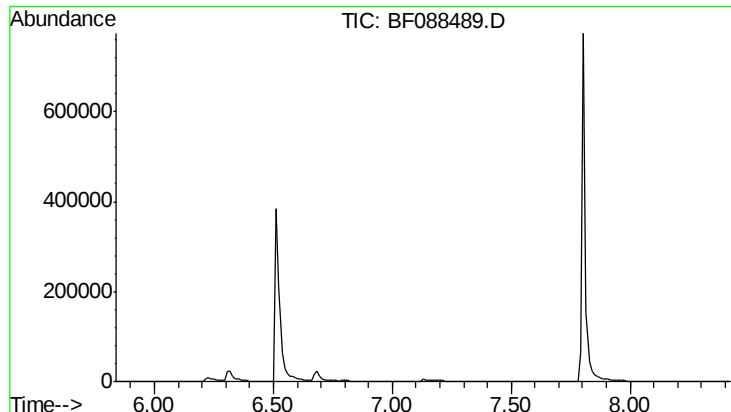
Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 15.2
 71 29.2



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.80 min Scan# 544
 Delta R.T. -0.03 min
 Lab File: BF088489.D
 Acq: 28 Jun 2016 20:07

Tgt Ion: 136 Resp: 426886
 Ion Ratio Lower Upper
 136 100
 137 11.0 9.1 13.7
 54 5.9 6.6 10.0#
 68 5.2 5.1 7.7

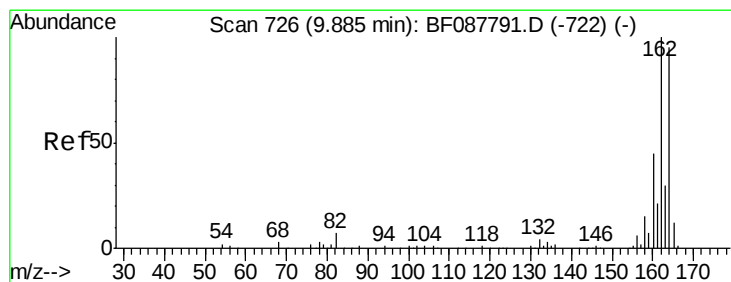
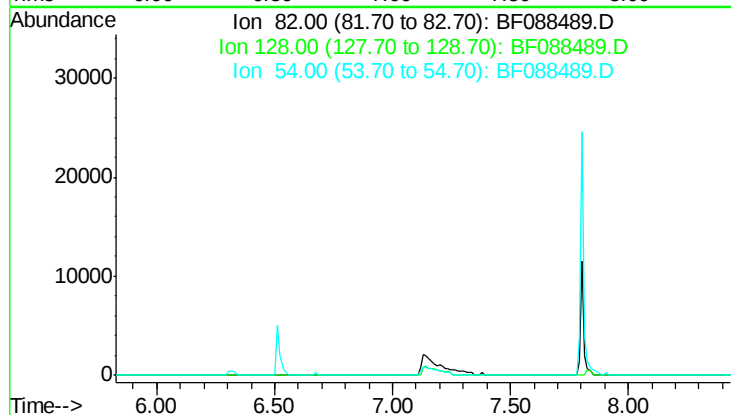




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.13 min
 Lab File: BF088489.D
 Acq: 28 Jun 2016 20:07

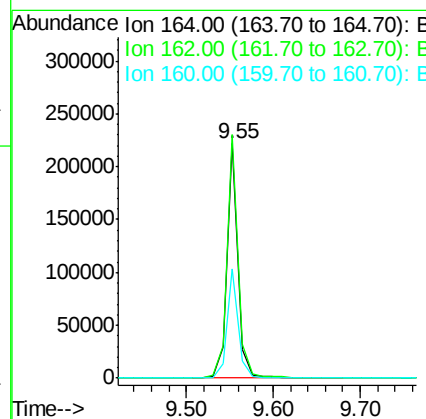
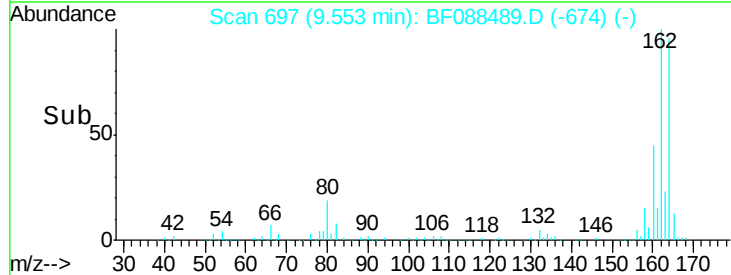
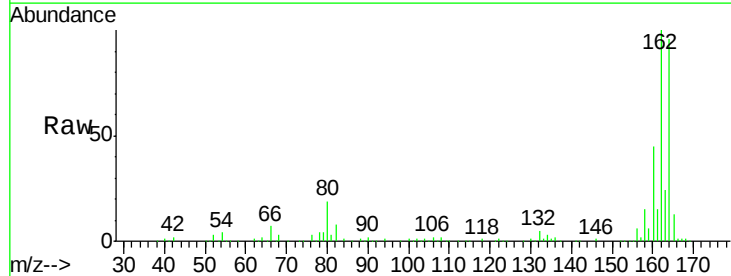
Instrument :
 BNA_G
 ClientSampleId :
 Q8-B4(0-2)CDL2

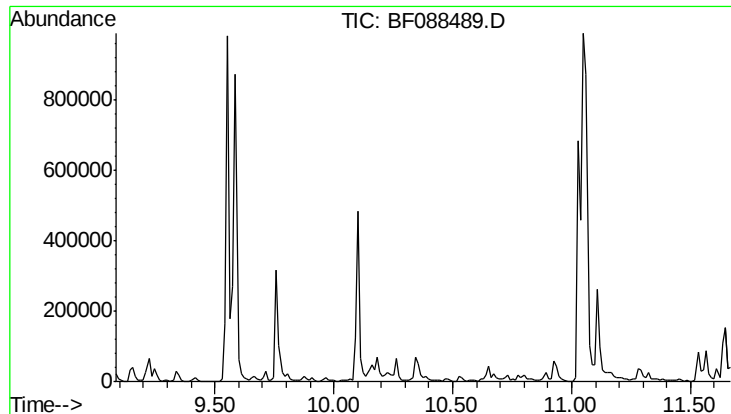
Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 44.9
 54 51.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.03 min
 Lab File: BF088489.D
 Acq: 28 Jun 2016 20:07

Tgt Ion: 164 Resp: 198235
 Ion Ratio Lower Upper
 164 100
 162 103.8 85.4 128.2
 160 46.6 39.5 59.3

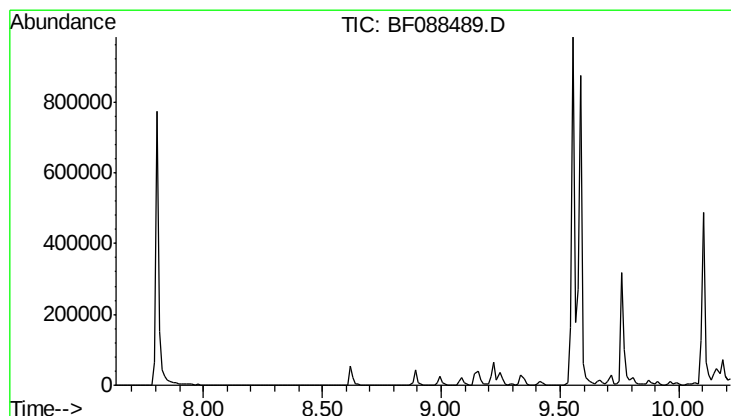
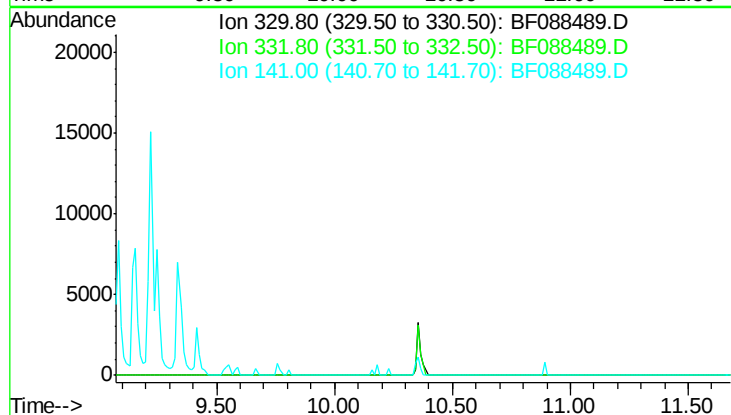




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.38 min
 Lab File: BF088489.D
 Acq: 28 Jun 2016 20:07

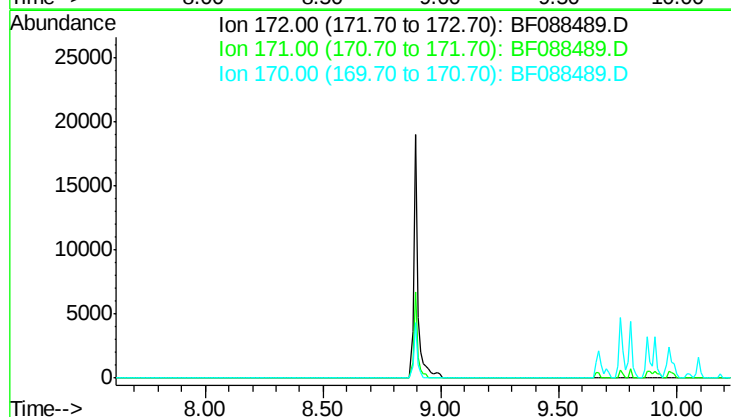
Instrument :
 BNA_G
 ClientSampleId :
 Q8-B4(0-2)CDL2

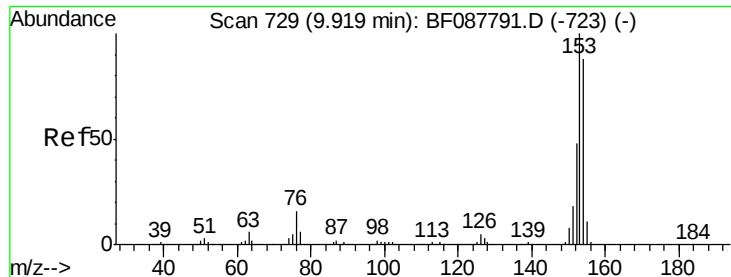
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 0.0
 141 0.0



#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 8.92 min
 Lab File: BF088489.D
 Acq: 28 Jun 2016 20:07

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 35.8
 170 24.0





#51

Acenaphthene

Concen: 17.17 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.03 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

Instrument :

BNA_G

ClientSampleId :

Q8-B4(0-2)CDL2

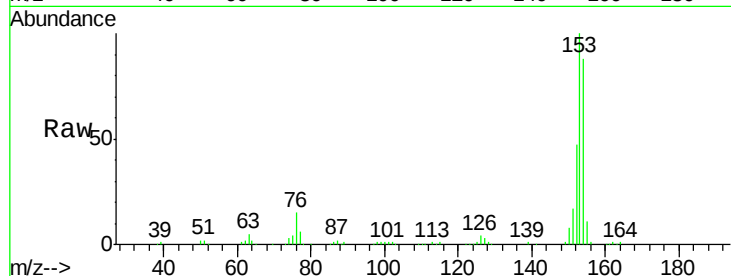
Tgt Ion:154 Resp: 218532

Ion Ratio Lower Upper

154 100

153 113.4 89.5 134.3

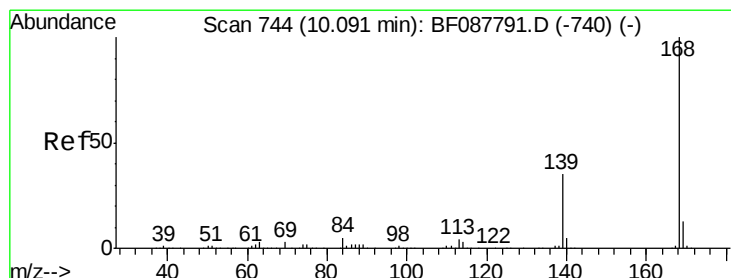
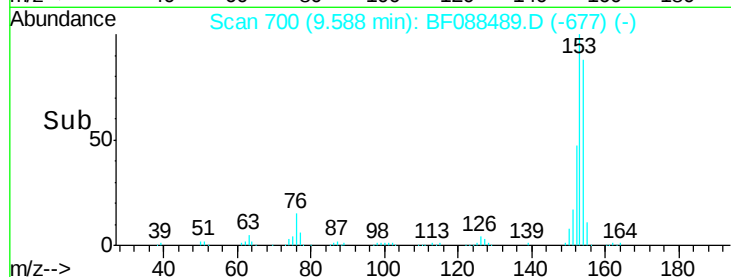
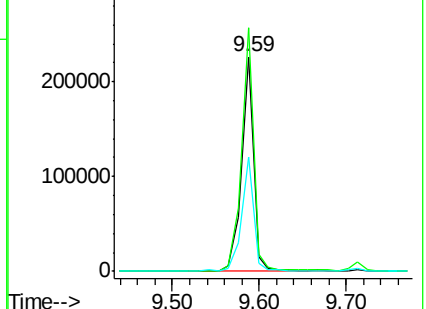
152 53.1 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 9.37 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.03 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

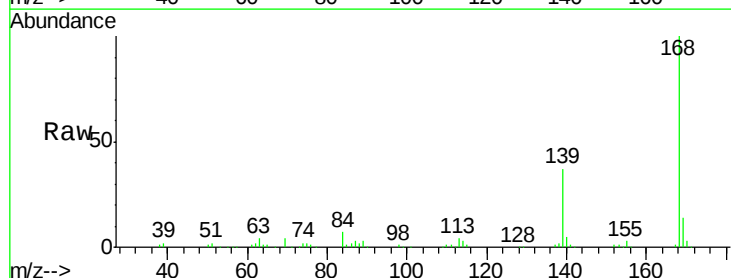
Tgt Ion:168 Resp: 164231

Ion Ratio Lower Upper

168 100

139 37.5 26.4 39.6

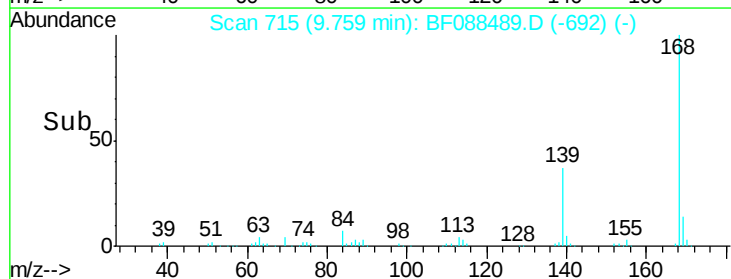
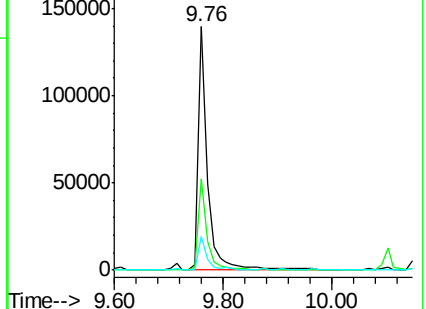
169 13.6 10.4 15.6

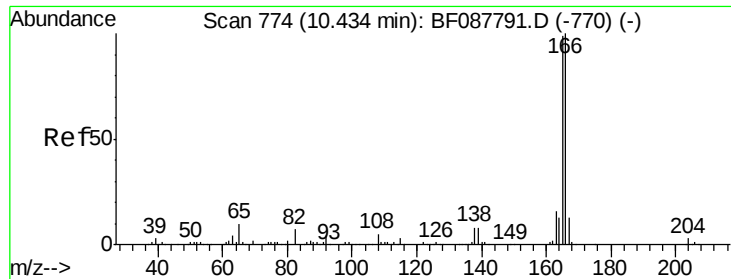


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 10.68 ng

RT: 10.10 min Scan# 745

Delta R.T. -0.03 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

Instrument :

BNA_G

ClientSampleId :

Q8-B4(0-2)CDL2

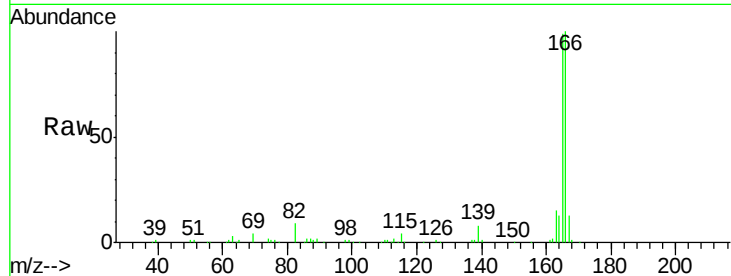
Tgt Ion:166 Resp: 170141

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.8

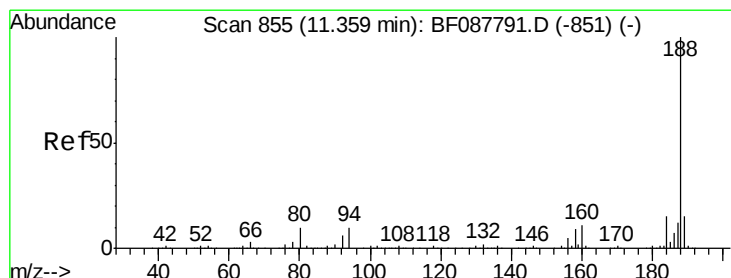
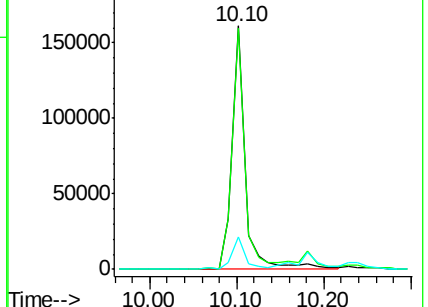
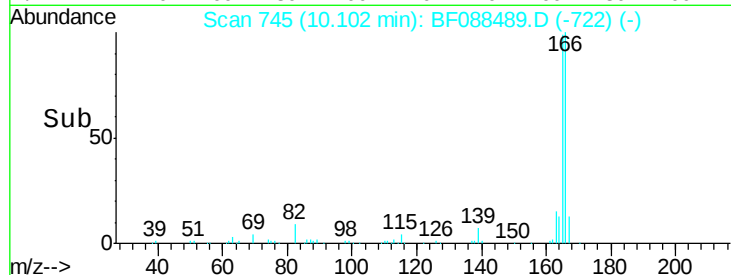
167 13.2 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.03 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

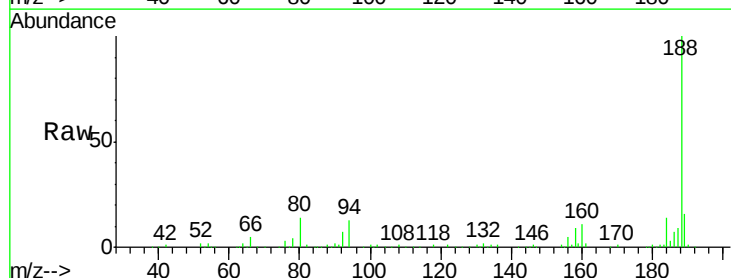
Tgt Ion:188 Resp: 341202

Ion Ratio Lower Upper

188 100

94 12.7 9.0 13.6

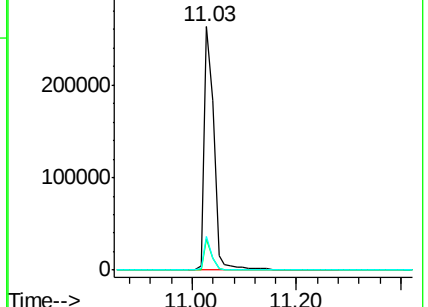
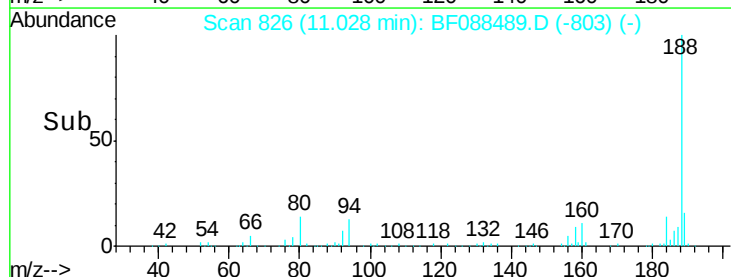
80 13.6 10.0 15.0

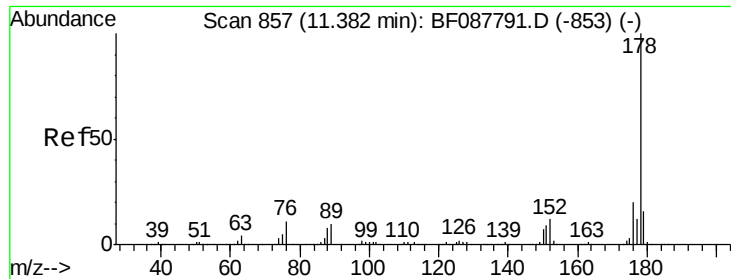


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 33.15 ng

RT: 11.06 min Scan# 829

Delta R.T. -0.02 min

Lab File: BF088489.D

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Instrument :

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Q8-B4(0-2)CDL2

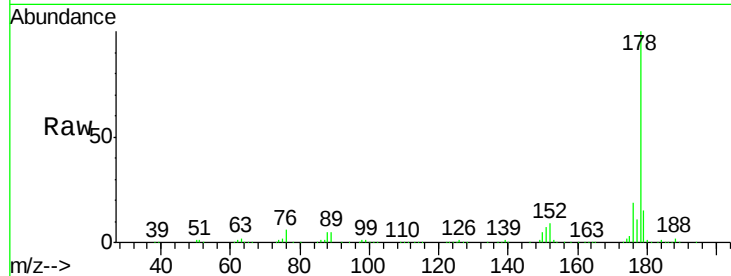
Tgt Ion:178 Resp: 593549

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

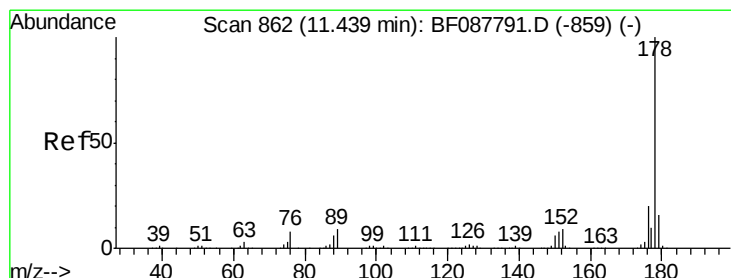
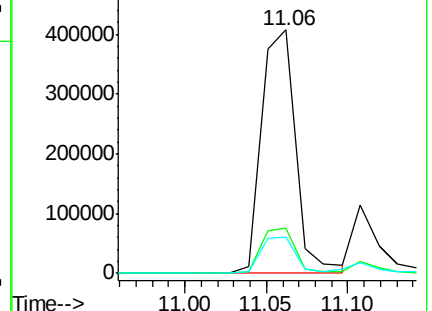
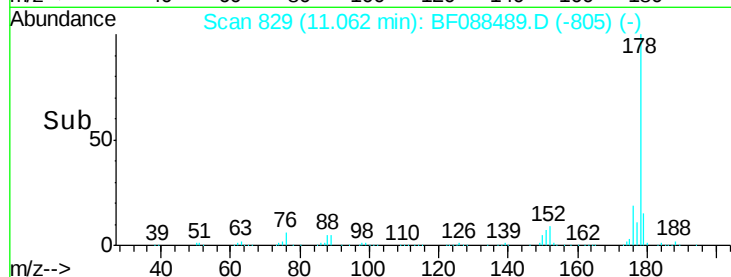
179 14.8 13.0 19.4



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



#71

Anthracene

Concen: 8.22 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

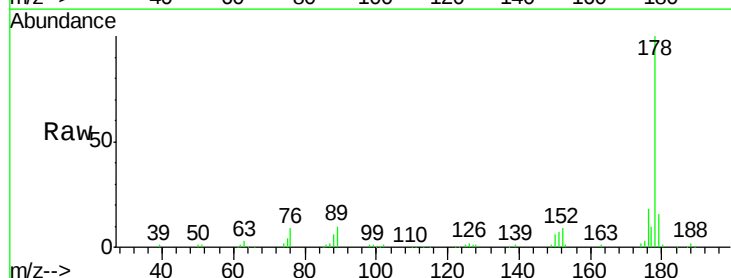
Tgt Ion:178 Resp: 148444

Ion Ratio Lower Upper

178 100

176 17.8 15.6 23.4

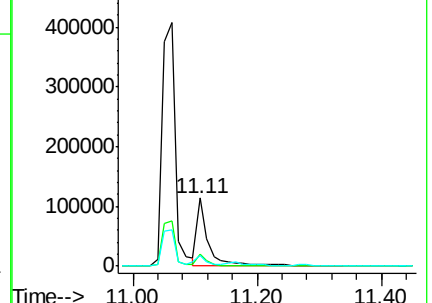
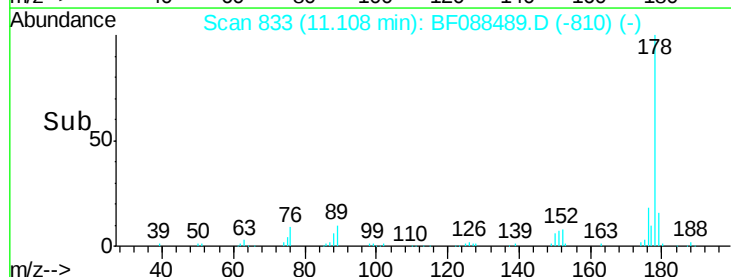
179 16.5 12.8 19.2

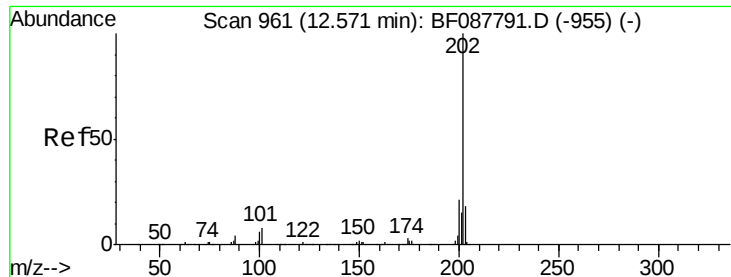


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.68 ng

RT: 12.24 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

Instrument :

BNA_G

ClientSampleId :

Q8-B4(0-2)CDL2

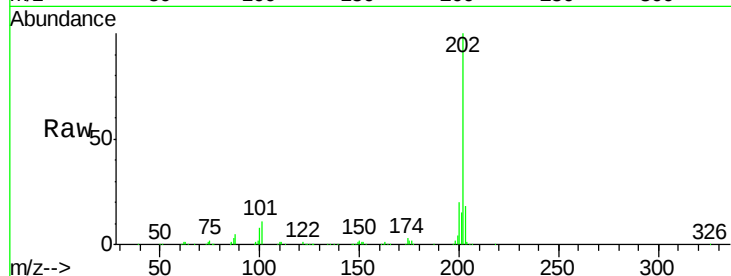
Tgt Ion:202 Resp: 371851

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.1

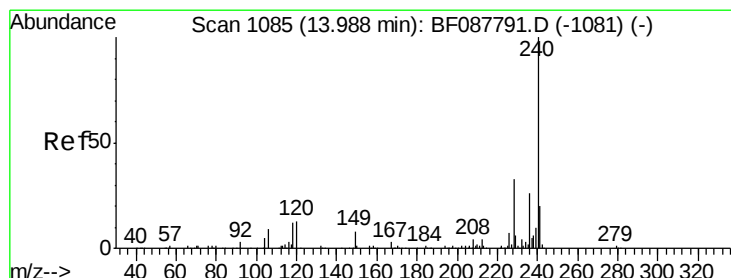
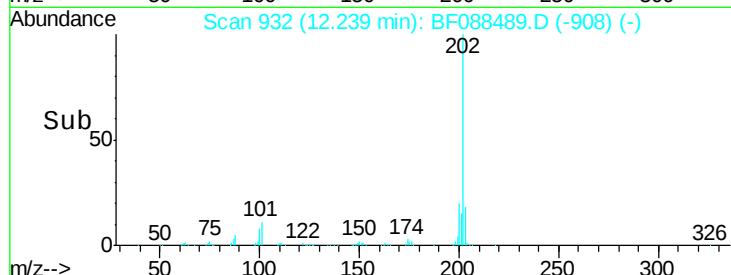
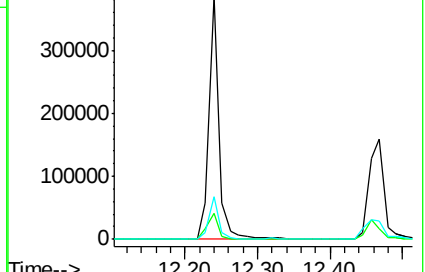
203 17.6 0.0 38.1



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: 13.66 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

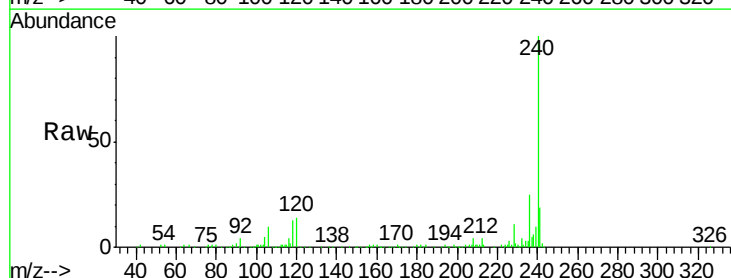
Tgt Ion:240 Resp: 261187

Ion Ratio Lower Upper

240 100

120 14.4 6.8 10.2#

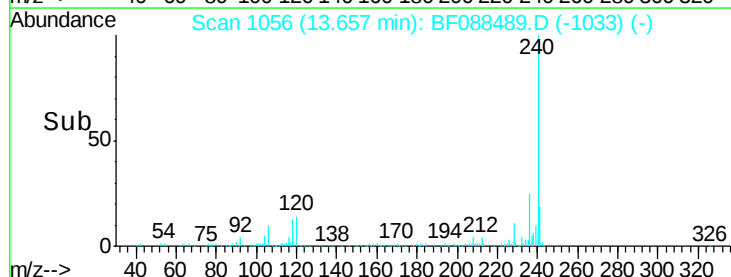
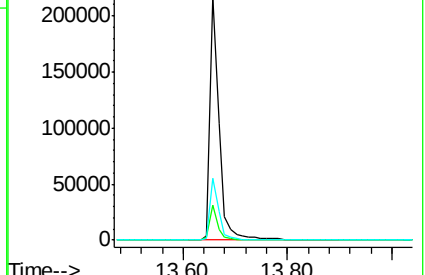
236 25.3 20.2 30.2

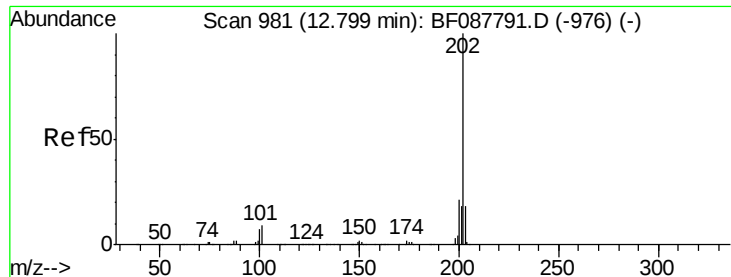


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

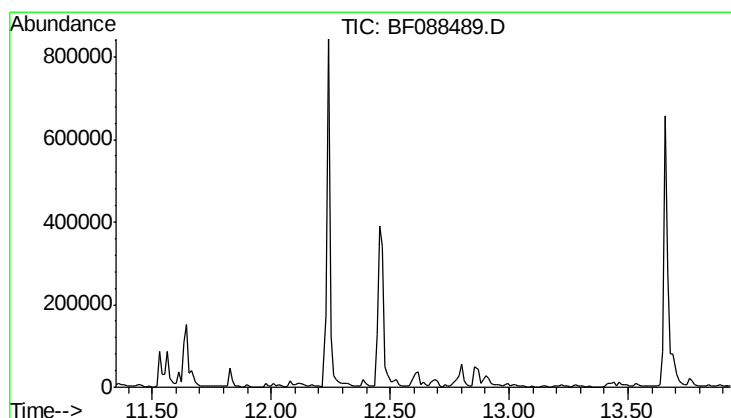
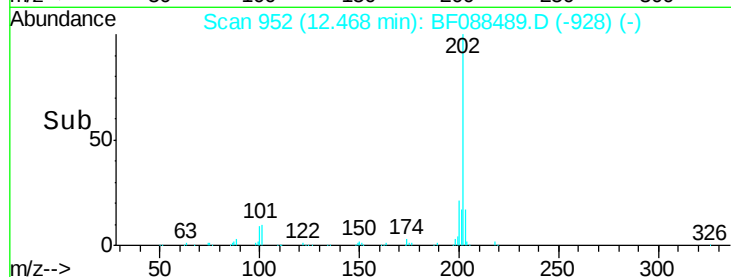
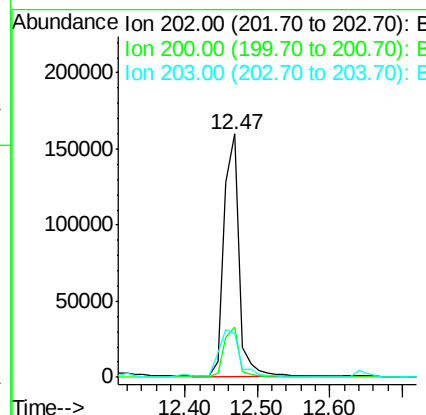
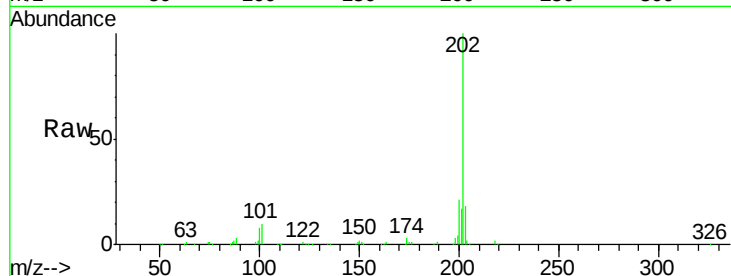




#77
 Pyrene
 Concen: 11.89 ng
 RT: 12.47 min Scan# 952
 Delta R.T. -0.02 min
 Lab File: BF088489.D
 Acq: 28 Jun 2016 20:07

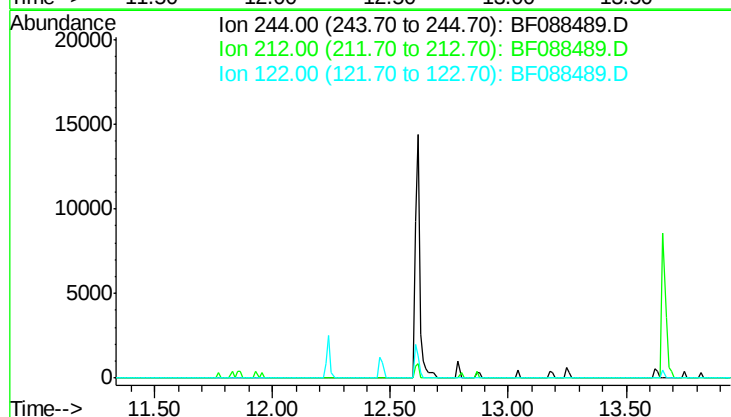
Instrument :
 BNA_G
 ClientSampleId :
 Q8-B4(0-2)CDL2

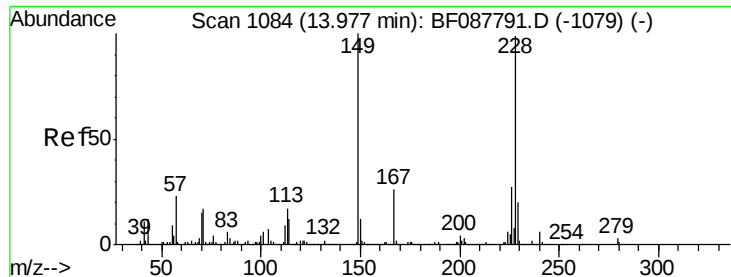
Tgt Ion: 202 Resp: 230502
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.2
 203 17.9 14.5 21.7



#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 12.64 min
 Lab File: BF088489.D
 Acq: 28 Jun 2016 20:07

Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 7.5
 122 14.0





#80

Benzo(a)anthracene

Concen: 2.63 ng m

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

Instrument :

BNA_G

ClientSampleId :

Q8-B4(0-2)CDL2

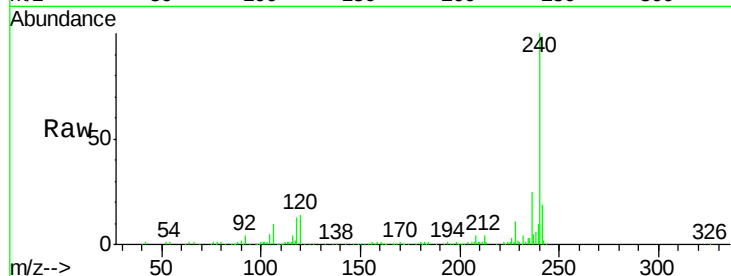
Tgt Ion:228 Resp: 39150

Ion Ratio Lower Upper

228 100

226 25.1 22.3 33.5

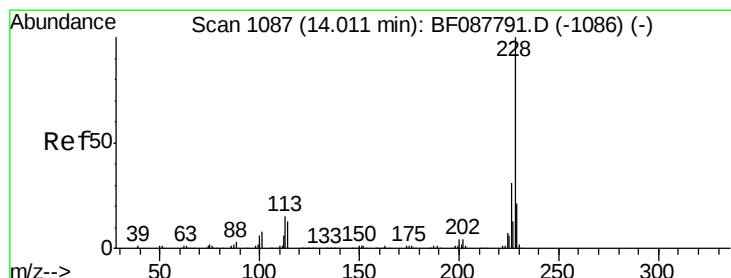
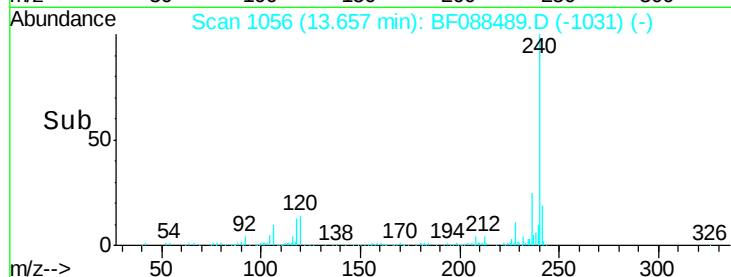
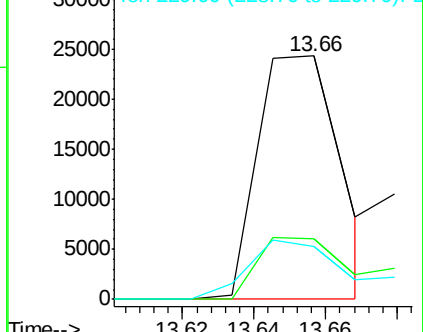
229 21.9 16.0 24.0



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: 2.21 ng m

RT: 13.69 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

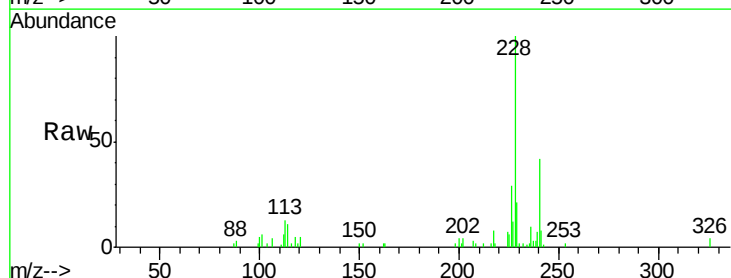
Tgt Ion:228 Resp: 30913

Ion Ratio Lower Upper

228 100

226 29.1 25.4 38.2

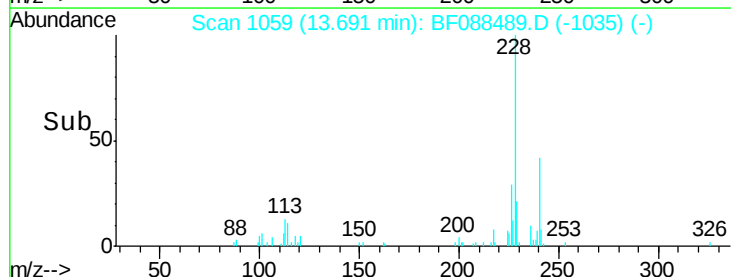
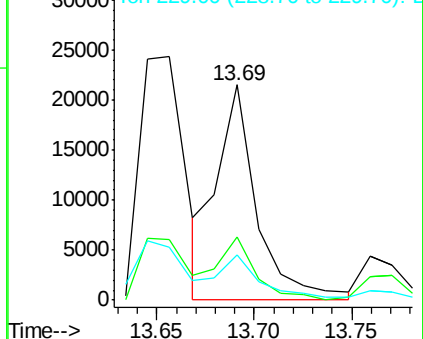
229 21.0 16.3 24.5

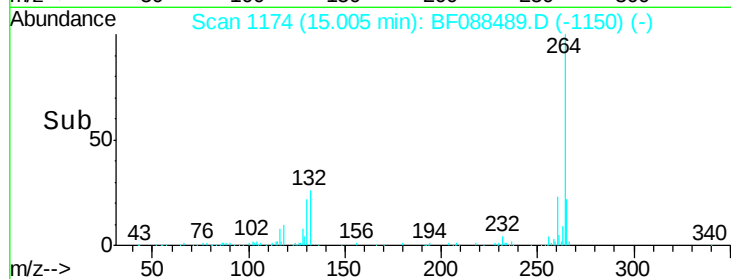
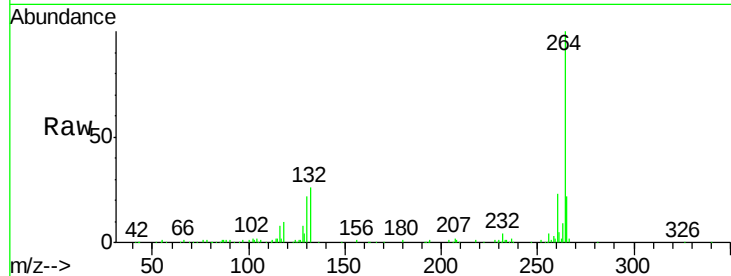
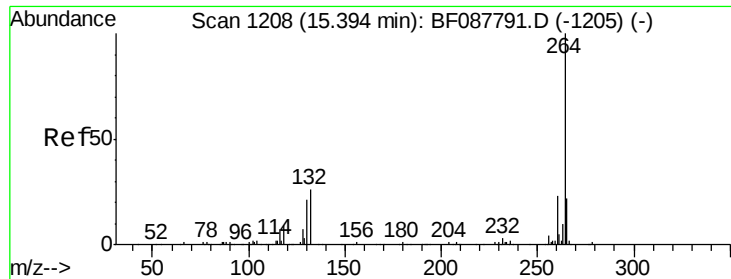


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.01 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF088489.D

Acq: 28 Jun 2016 20:07

Instrument :

BNA_G

ClientSampleId :

Q8-B4(0-2)CDL2

Tgt Ion: 264 Resp: 185162

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 22.2 16.9 25.3

