

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088368.D
 Acq On : 25 Jun 2016 10:58
 Operator : UM/SJ
 Sample : H3629-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(5-7)

Quant Time: Jun 26 02:18:10 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

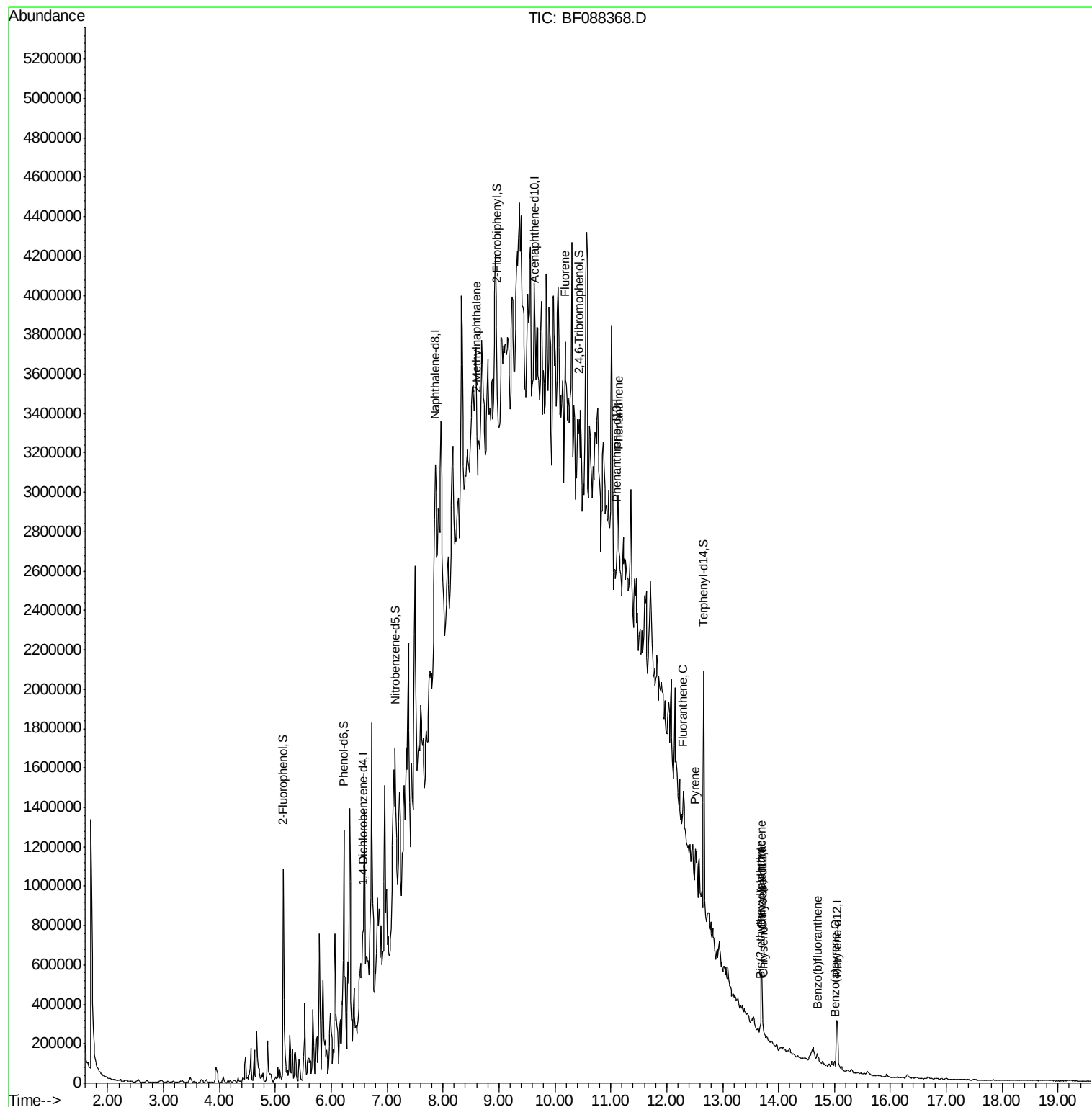
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	63273	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	163819	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	58598	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	155058	20.00	ng	-0.01
75) Chrysene-d12	13.70	240	161771	20.00	ng	-0.05
86) Perylene-d12	15.05	264	147466	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	437252	118.14	ng	-0.03
7) Phenol-d6	6.23	99	530778	118.33	ng	-0.03
23) Nitrobenzene-d5	7.14	82	325750	116.12	ng	-0.03
41) 2,4,6-Tribromophenol	10.43	330	86912	140.47	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	307373	82.22	ng	-0.01
78) Terphenyl-d14	12.66	244	475897	66.94	ng	-0.03
Target Compounds						
37) 2-Methylnaphthalene	8.60	142	204955	38.36	ng	# 85
57) Fluorene	10.18	166	150700	42.80	ng	# 69
70) Phenanthrene	11.13	178	259966	31.95	ng	# 92
74) Fluoranthene	12.30	202	95964	11.18	ng	# 89
77) Pyrene	12.51	202	129126	10.76	ng	# 93
80) Benzo(a)anthracene	13.69	228	34125	3.70	ng	# 90
82) Chrysene	13.73	228	22513m	2.60	ng	# 89
83) Bis(2-ethylhexyl)phthalate	13.68	149	24363	3.77	ng	# 89
87) Benzo(b)fluoranthene	14.70	252	24842m	2.42	ng	# 96
89) Benzo(a)pyrene	15.01	252	18495	2.22	ng	# 96

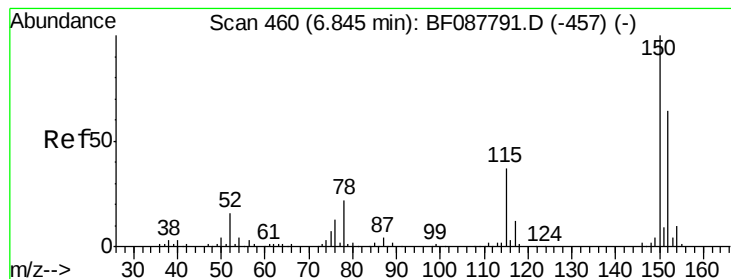
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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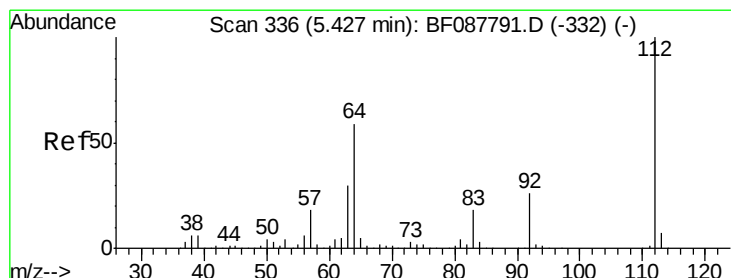
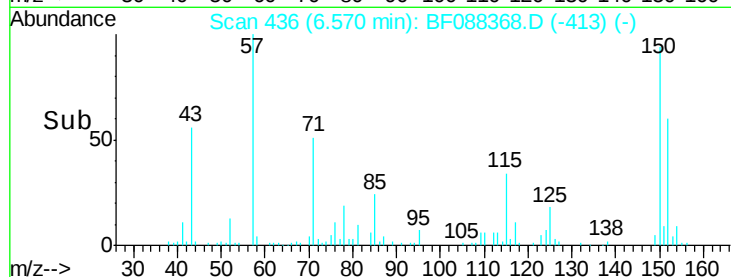
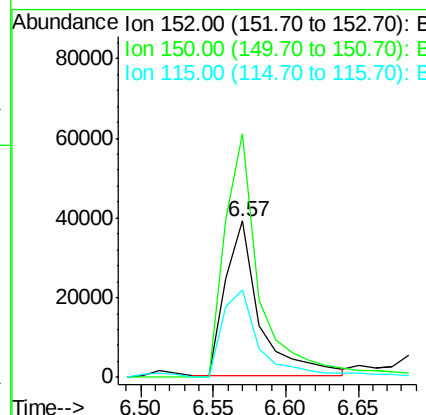
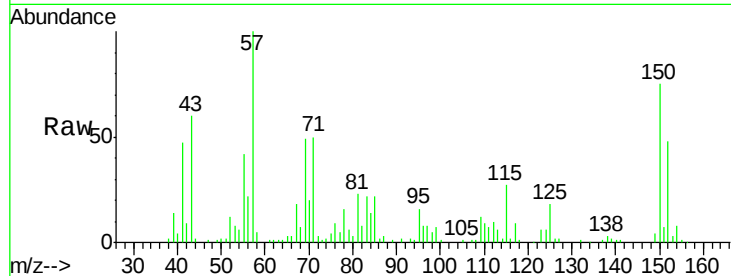


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.57 min Scan# 436
 Delta R.T. -0.03 min
 Lab File: BF088368.D
 Acq: 25 Jun 2016 10:58

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(5-7)

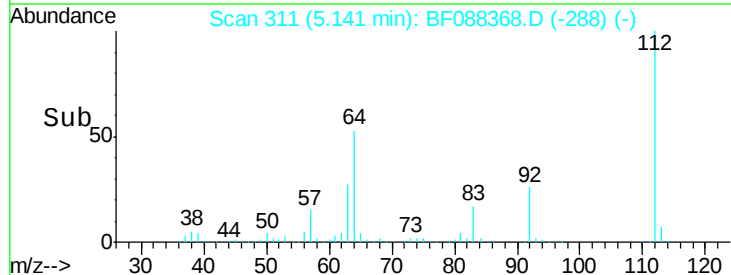
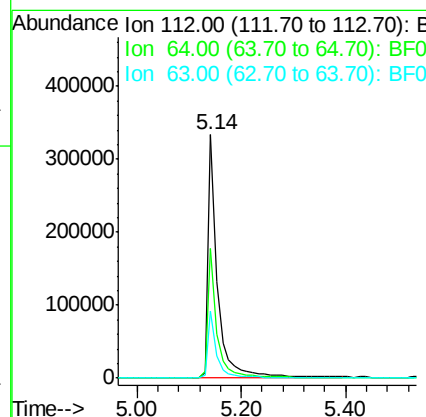
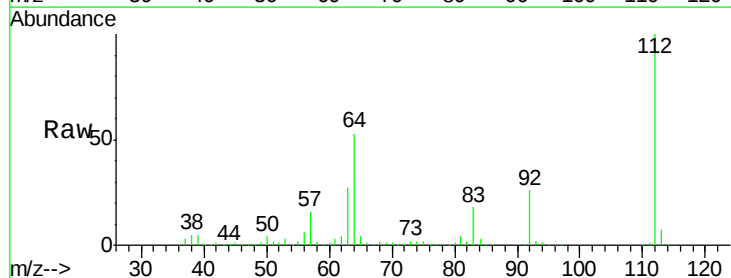
Tot Ion:152 Resp: 63273
 Ion Ratio Lower Upper
 152 100
 150 156.0 123.8 185.6
 115 56.3 39.6 59.4



#5

2-Fluorophenol
 Concen: 118.14 ng
 RT: 5.14 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: BF088368.D
 Acq: 25 Jun 2016 10:58

Tgt Ion:112 Resp: 437252
 Ion Ratio Lower Upper
 112 100
 64 53.3 42.2 63.2
 63 27.5 21.8 32.8





#7

Phenol-d6

Concen: 118.33 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(5-7)

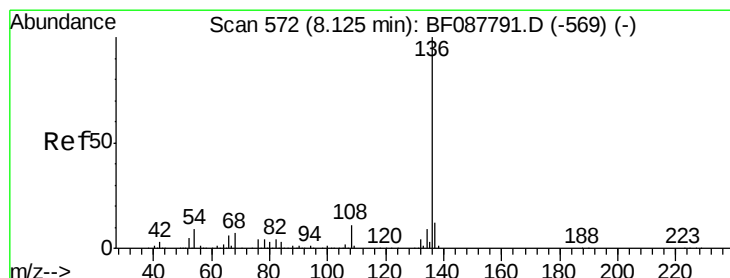
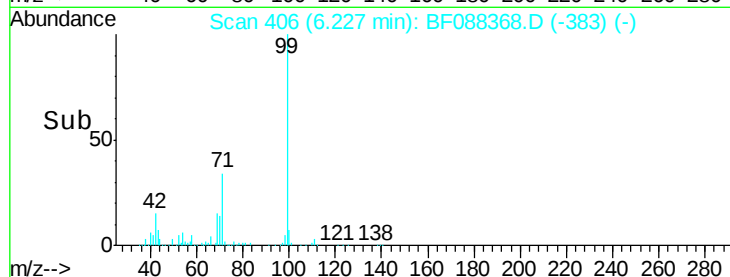
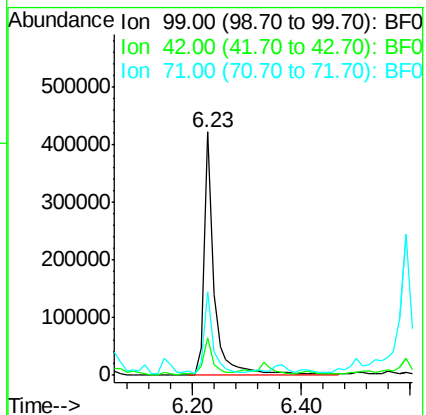
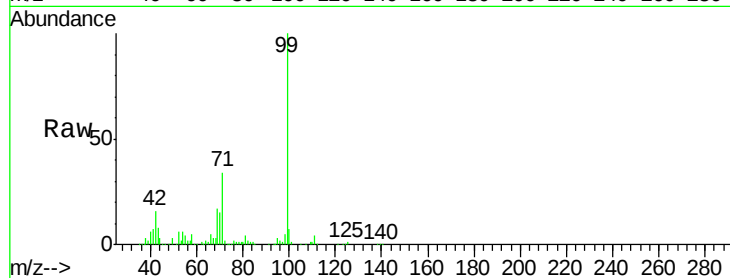
Tot Ion: 99 Resp: 530778

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

71 34.2 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

Tgt Ion: 136 Resp: 163819

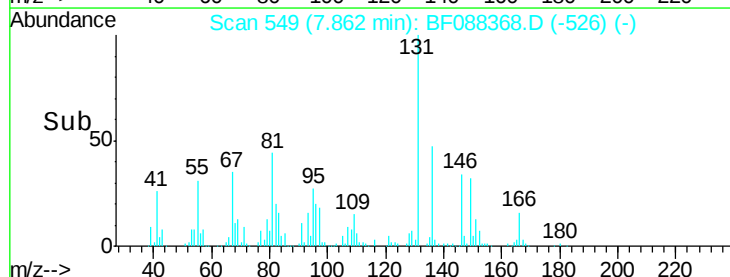
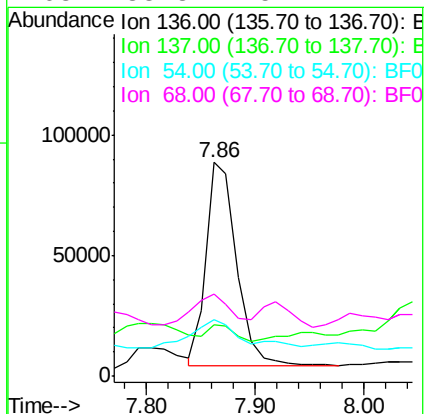
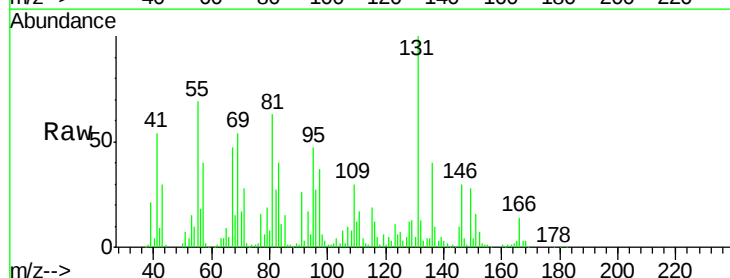
Ion Ratio Lower Upper

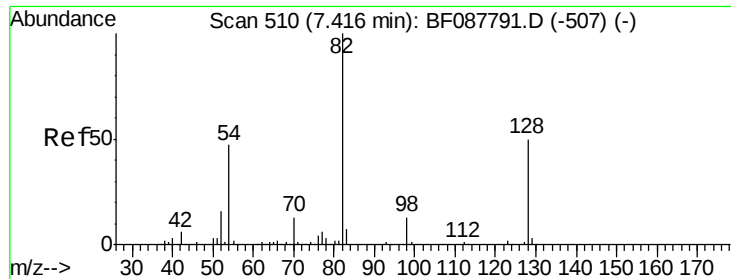
136 100

137 24.2 9.1 13.7#

54 26.5 6.6 10.0#

68 38.3 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 116.12 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(5-7)

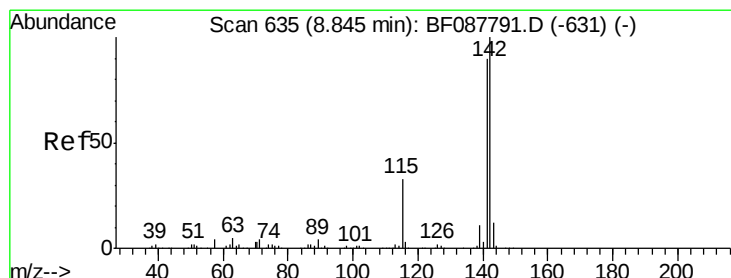
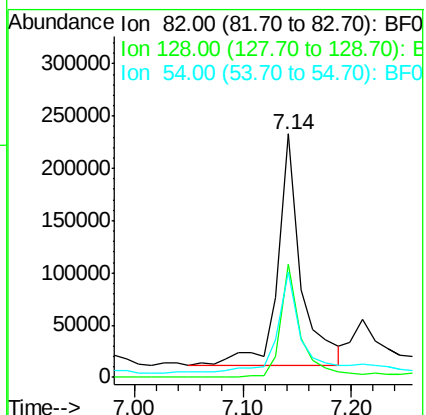
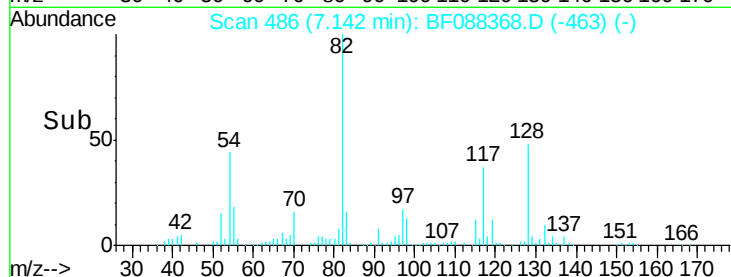
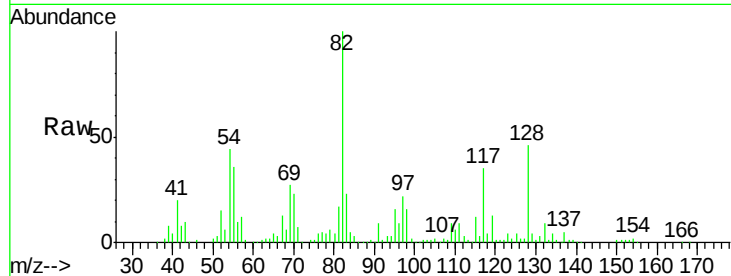
Tot Ion: 82 Resp: 325750

Ion Ratio Lower Upper

82 100

128 46.2 35.9 53.9

54 43.5 40.9 61.3



#37

2-Methylnaphthalene

Concen: 38.36 ng

RT: 8.60 min Scan# 614

Delta R.T. 0.00 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

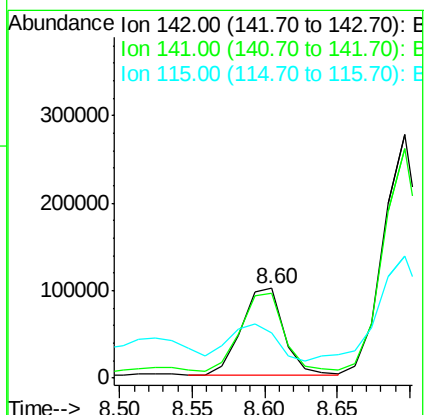
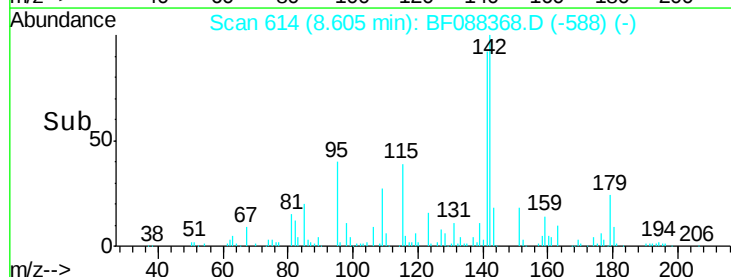
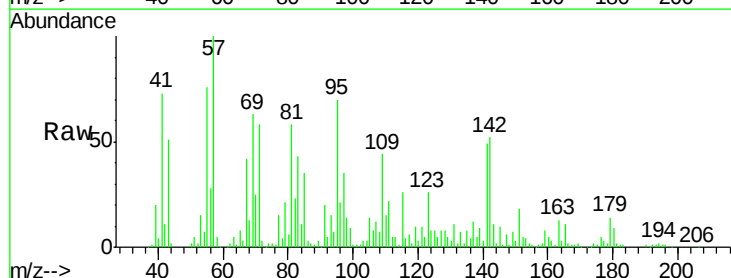
Tgt Ion: 142 Resp: 204955

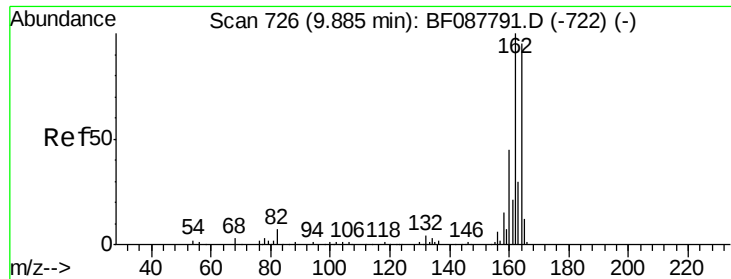
Ion Ratio Lower Upper

142 100

141 94.7 71.0 106.6

115 49.7 22.6 33.8#

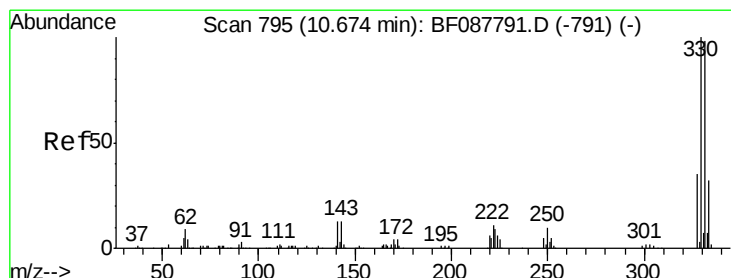
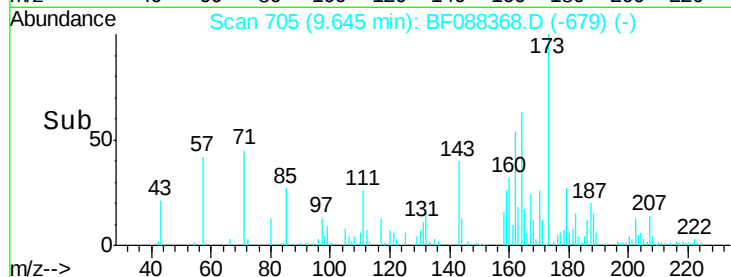
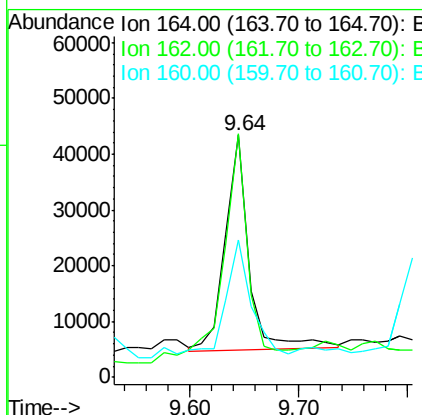
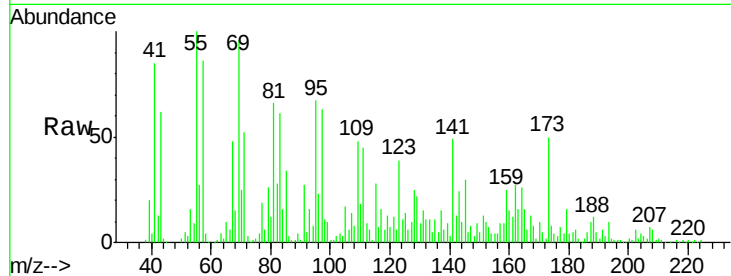




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF088368.D
Acq: 25 Jun 2016 10:58

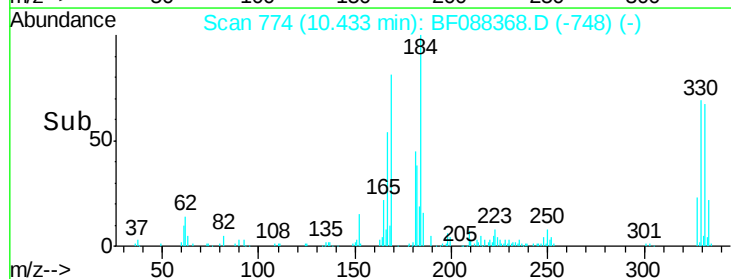
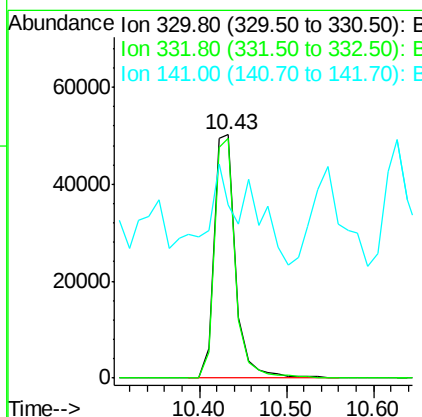
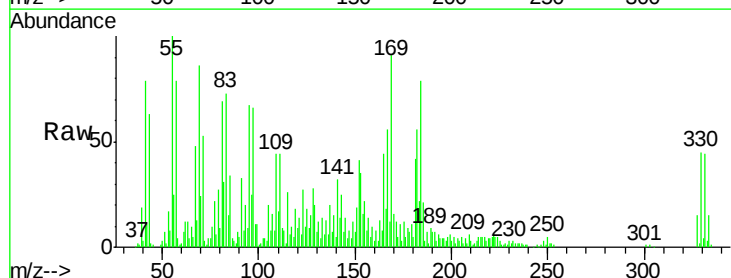
Instrument :
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LOCATION-5B(5-7)

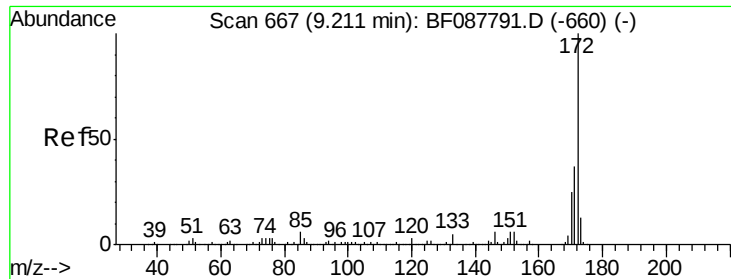
Tot Ion:164 Resp: 58598
Ion Ratio Lower Upper
164 100
162 100.7 85.4 128.2
160 57.0 39.5 59.3



#41
2,4,6-Tribromophenol
Concen: 140.47 ng
RT: 10.43 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF088368.D
Acq: 25 Jun 2016 10:58

Tgt Ion:330 Resp: 86912
Ion Ratio Lower Upper
330 100
332 96.3 0.0 0.0#
141 22.0 0.0 0.0#





#44

2-Fluorobiphenyl

Concen: 82.22 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(5-7)

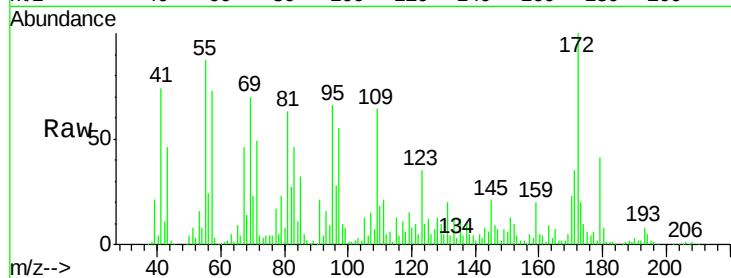
Tot Ion:172 Resp: 307373

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

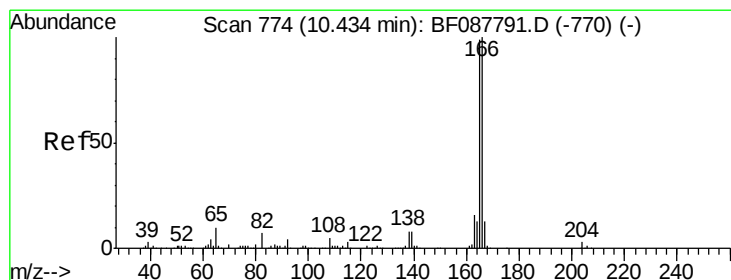
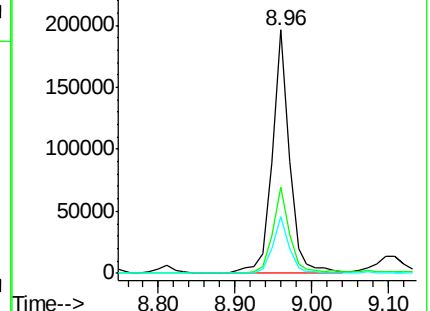
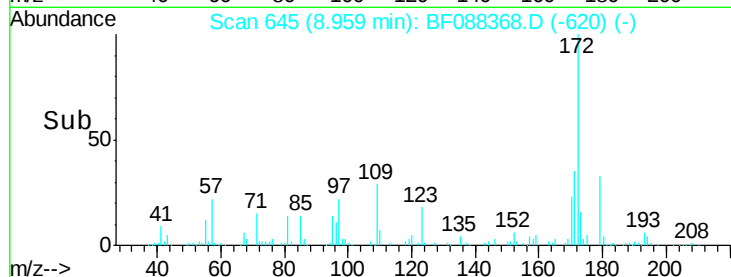
170 23.2 19.2 28.8



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



#57

Fluorene

Concen: 42.80 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

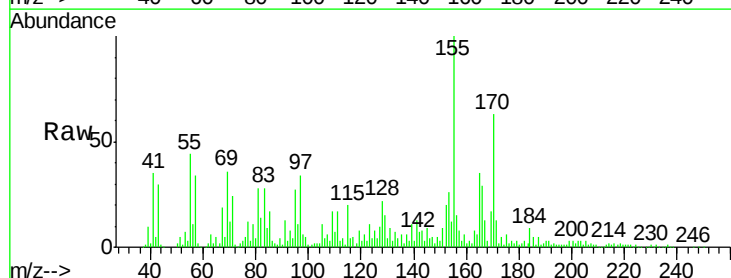
Tgt Ion:166 Resp: 150700

Ion Ratio Lower Upper

166 100

165 121.7 77.8 116.8#

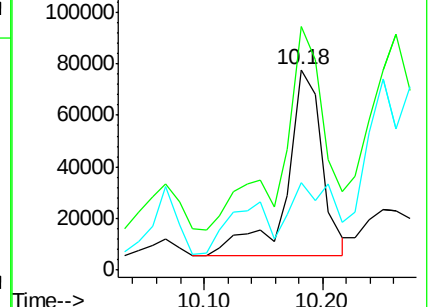
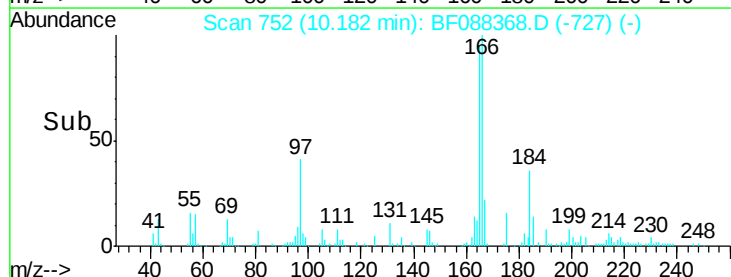
167 43.9 11.2 16.8#

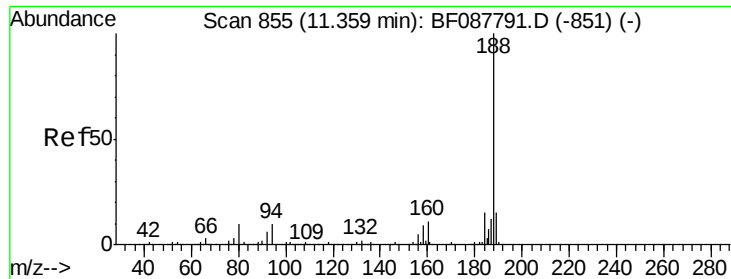


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.11 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

Instrument :

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LOCATION-5B(5-7)

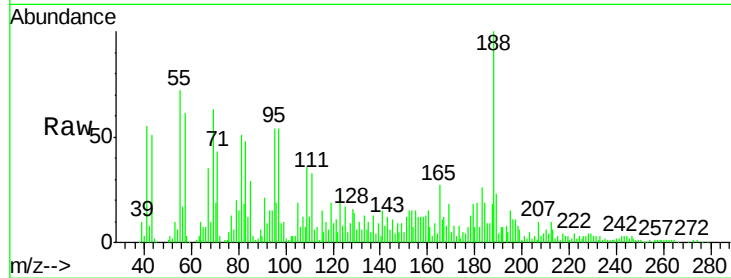
Tot Ion:188 Resp: 155058

Ion Ratio Lower Upper

188 100

94 15.3 9.0 13.6#

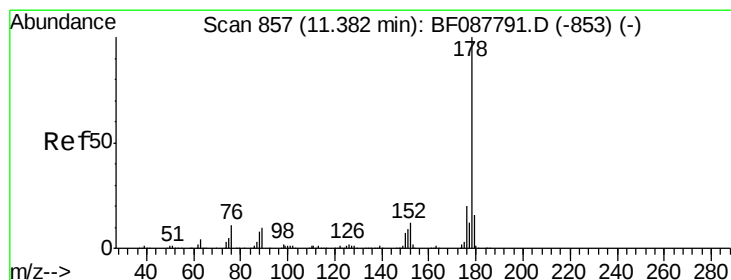
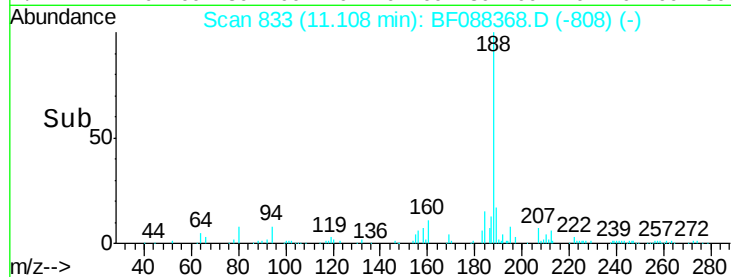
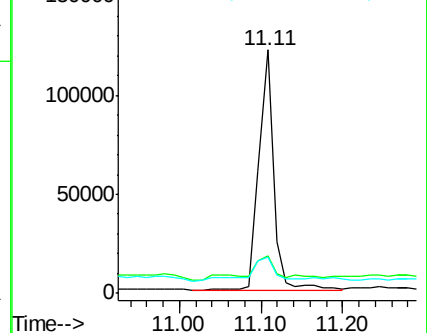
80 14.8 10.0 15.0



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: 31.95 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

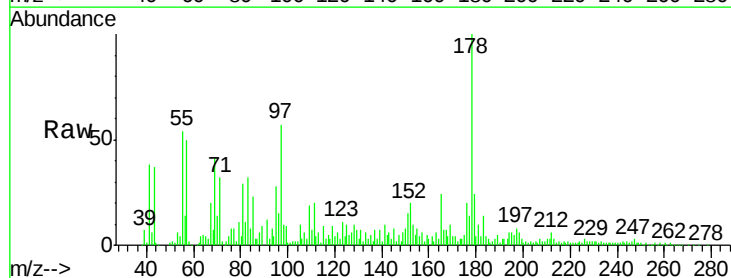
Tgt Ion:178 Resp: 259966

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

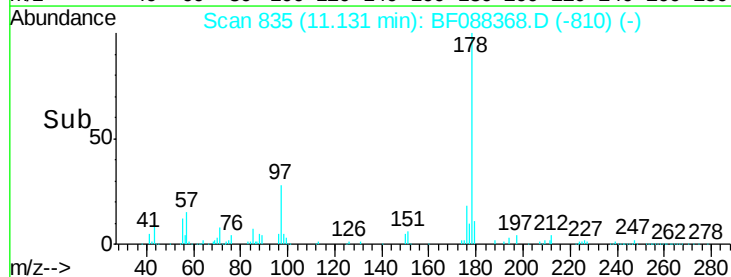
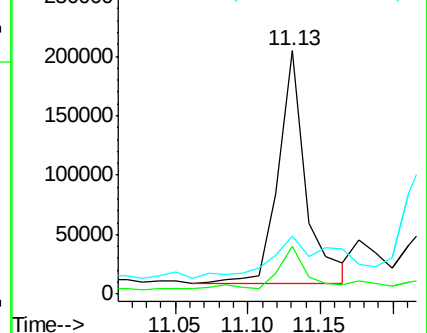
179 24.0 13.0 19.4#

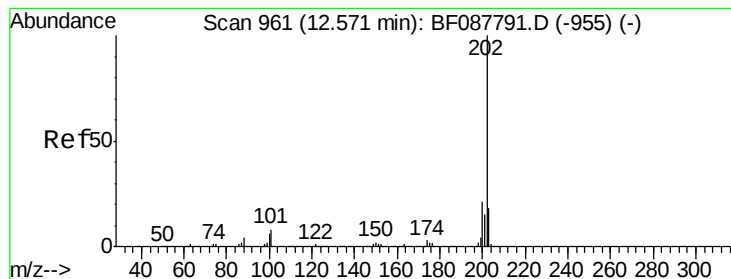


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.18 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

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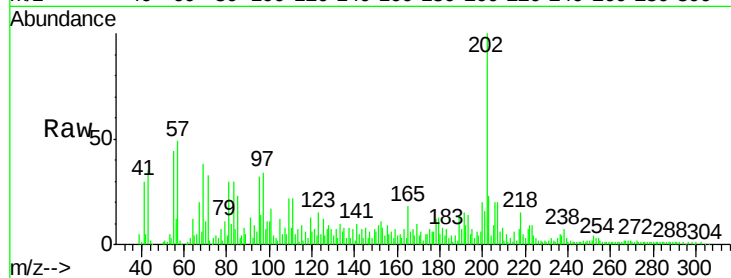
Tot Ion:202 Resp: 95964

Ion Ratio Lower Upper

202 100

101 16.8 0.0 33.1

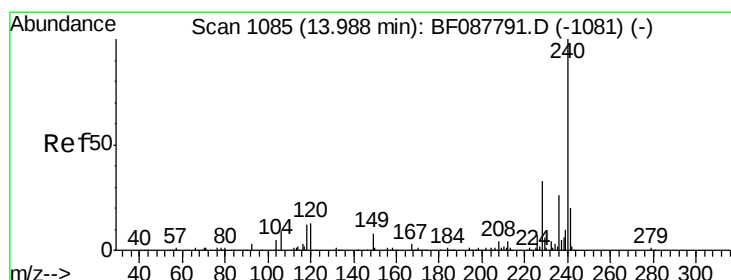
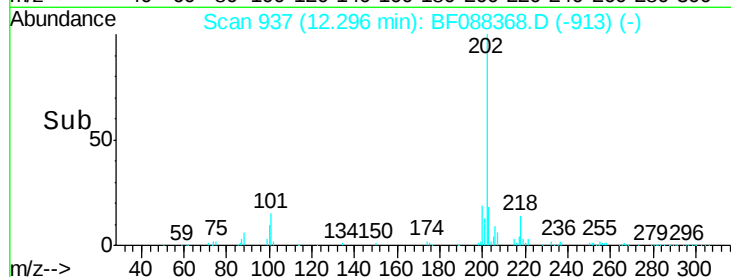
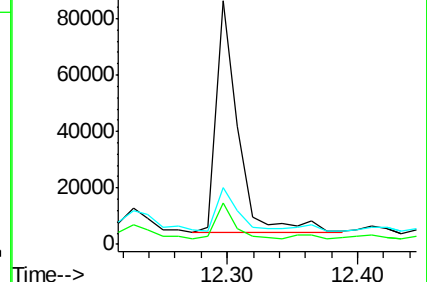
203 23.2 0.0 38.1



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: 13.70 min Scan# 1060

Delta R.T. -0.05 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

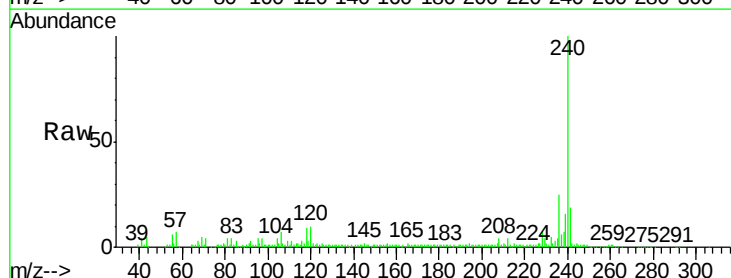
Tgt Ion:240 Resp: 161771

Ion Ratio Lower Upper

240 100

120 10.1 6.8 10.2

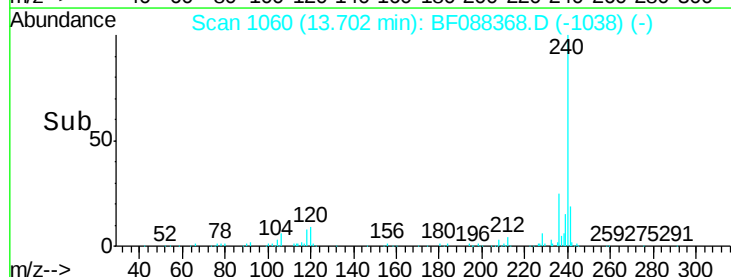
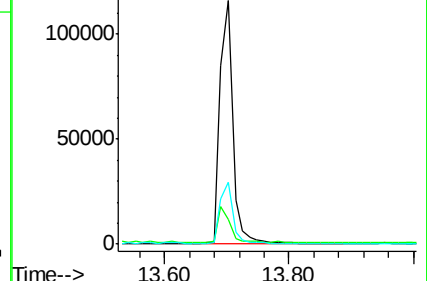
236 25.4 20.2 30.2

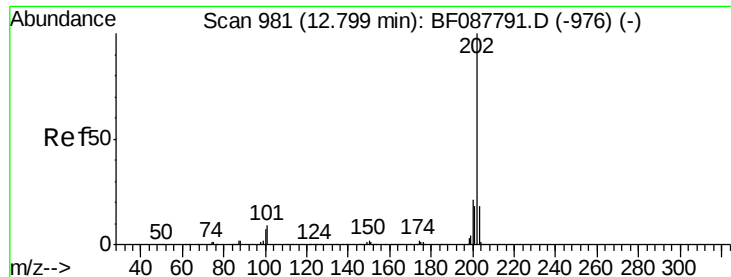


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.76 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.03 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(5-7)

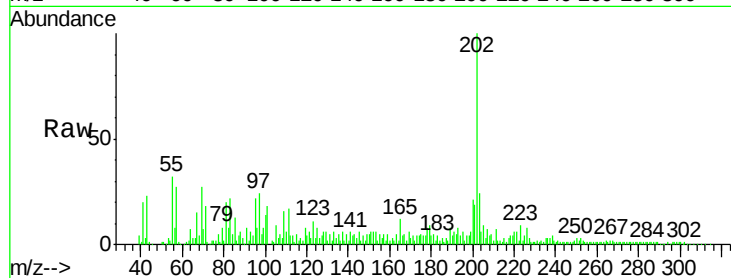
Tot Ion:202 Resp: 129126

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

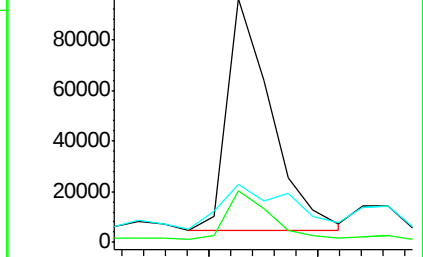
203 24.0 14.5 21.7#



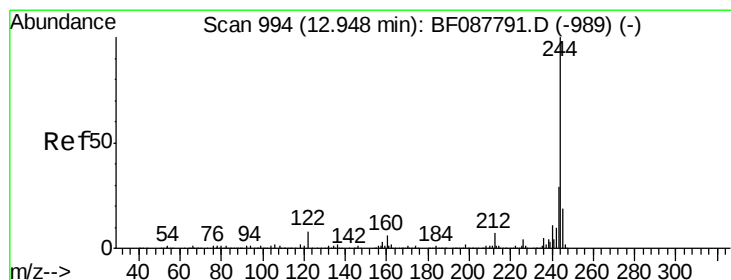
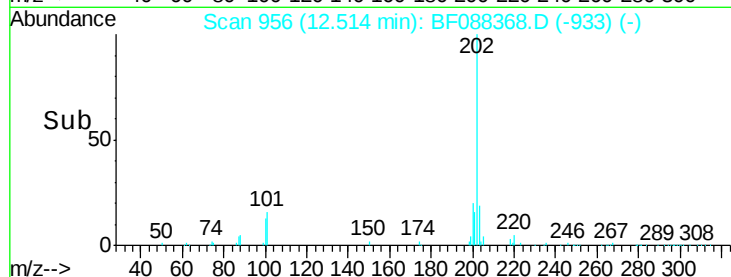
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 66.94 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.03 min

Lab File: BF088368.D

Acq: 25 Jun 2016 10:58

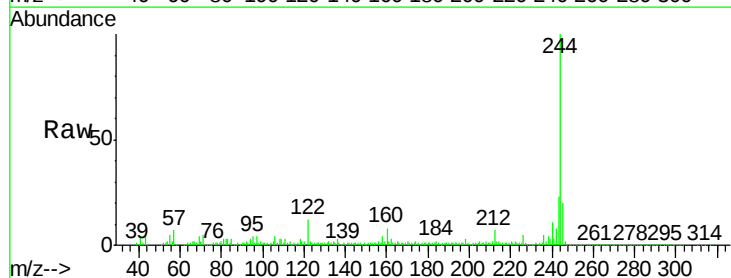
Tgt Ion:244 Resp: 475897

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

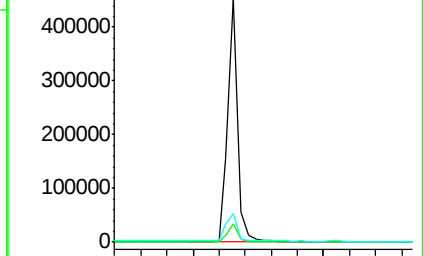
122 11.9 11.2 16.8



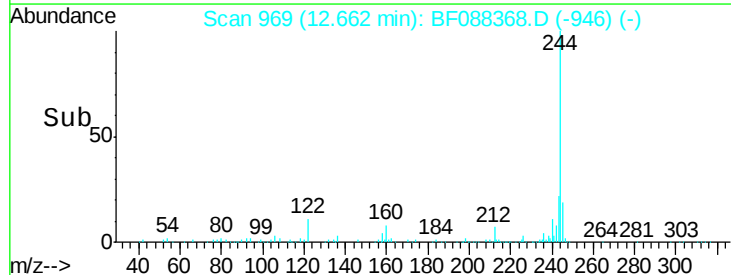
Abundance Ion 244.00 (243.70 to 244.70): E

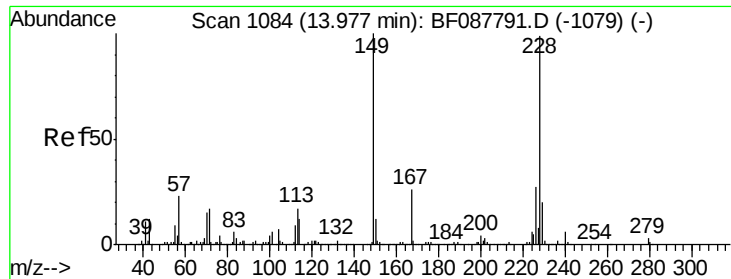
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

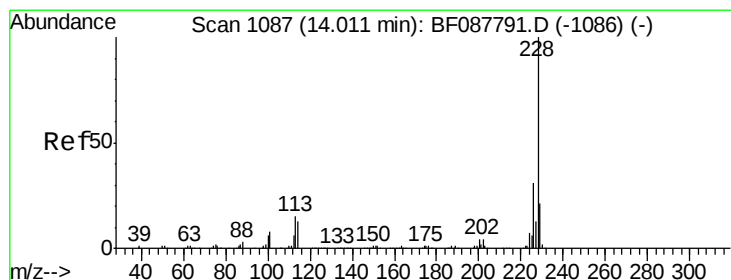
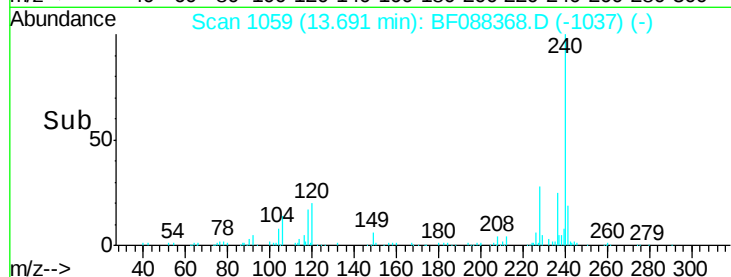
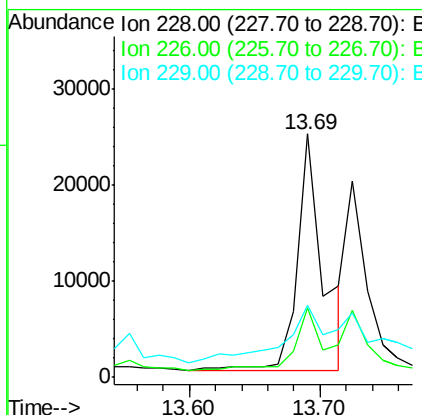
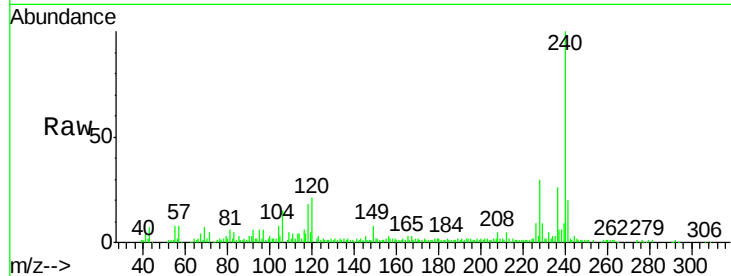




#80
Benzo(a)anthracene
Concen: 3.70 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.05 min
Lab File: BF088368.D
Acq: 25 Jun 2016 10:58

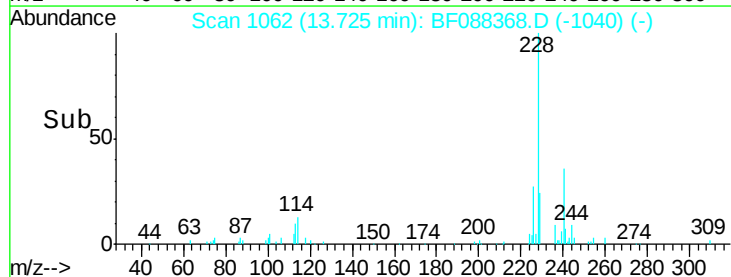
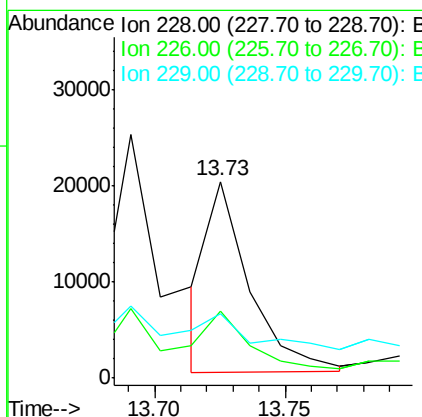
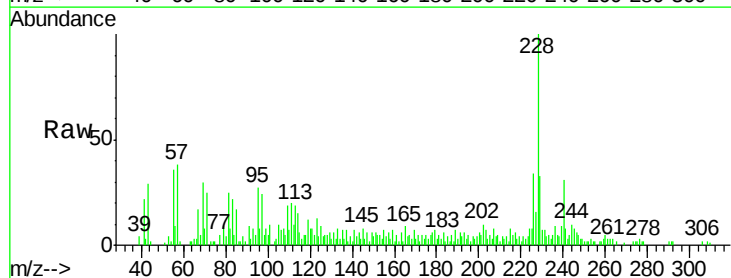
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)

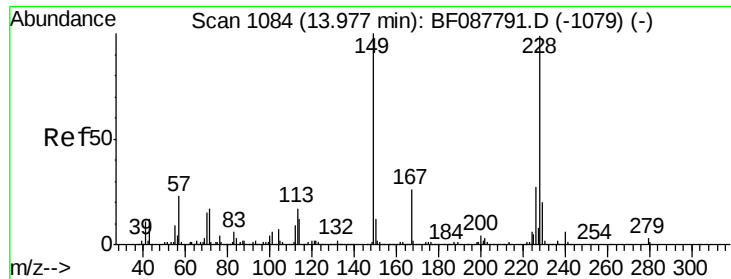
Tot Ion:228 Resp: 34125
Ion Ratio Lower Upper
228 100
226 28.5 22.3 33.5
229 29.7 16.0 24.0#



#82
Chrysene
Concen: 2.60 ng m
RT: 13.73 min Scan# 1062
Delta R.T. -0.05 min
Lab File: BF088368.D
Acq: 25 Jun 2016 10:58

Tgt Ion:228 Resp: 22513
Ion Ratio Lower Upper
228 100
226 34.0 25.4 38.2
229 33.0 16.3 24.5#

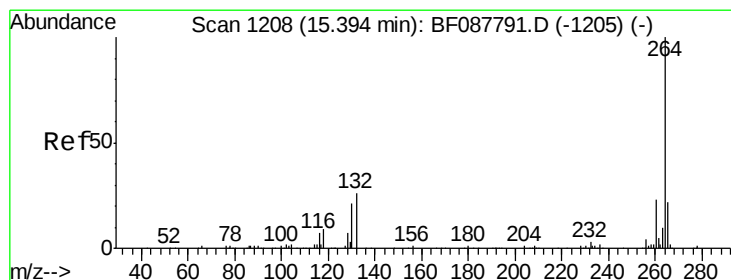
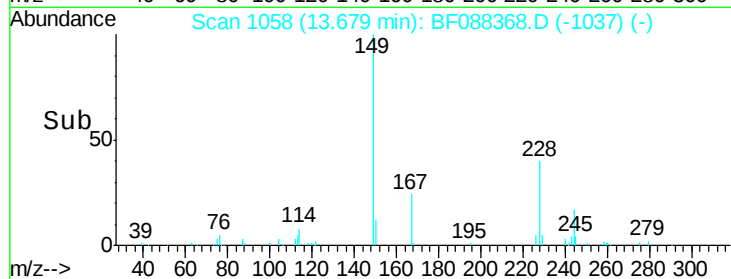
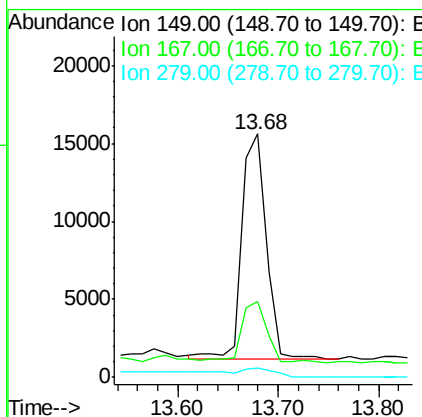
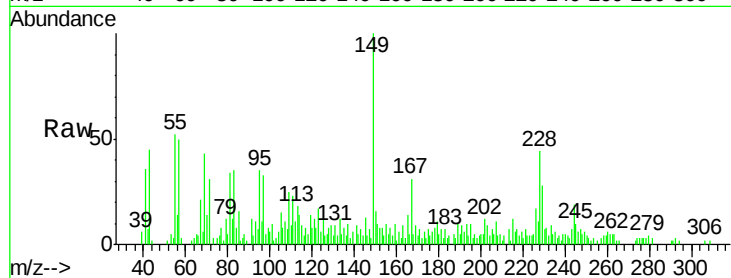




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.77 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF088368.D
 Acq: 25 Jun 2016 10:58

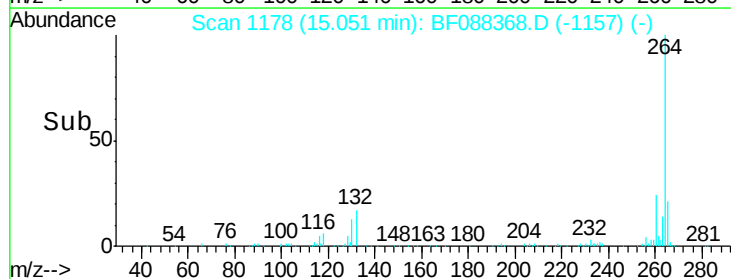
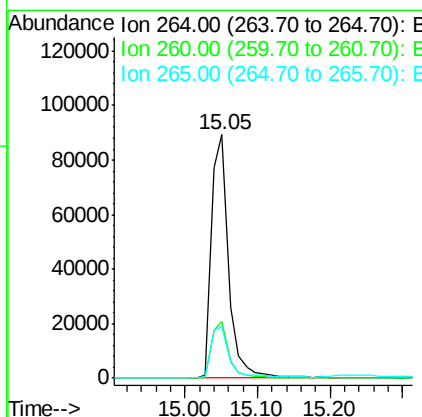
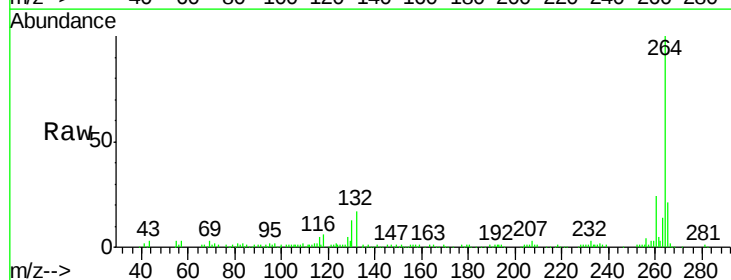
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(5-7)

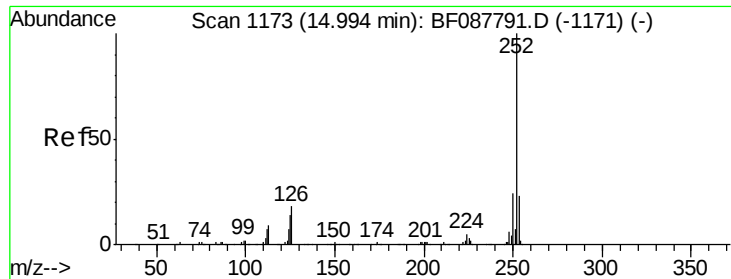
Tot Ion:149 Resp: 24363
 Ion Ratio Lower Upper
 149 100
 167 31.3 20.5 30.7#
 279 4.0 2.0 3.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.06 min
 Lab File: BF088368.D
 Acq: 25 Jun 2016 10:58

Tgt Ion:264 Resp: 147466
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.3 16.9 25.3

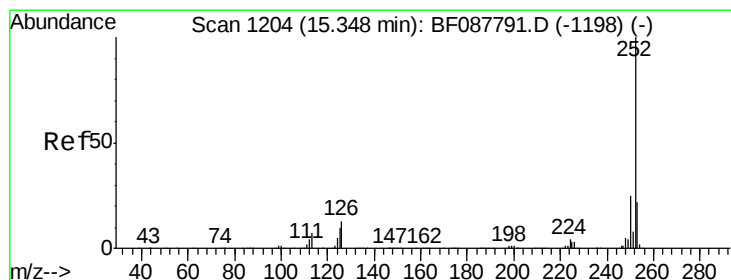
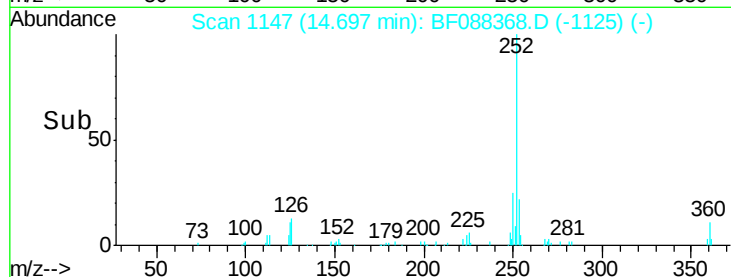
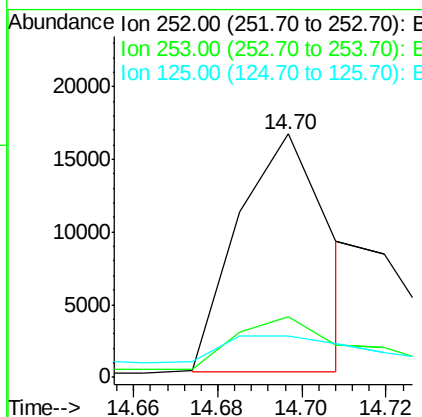
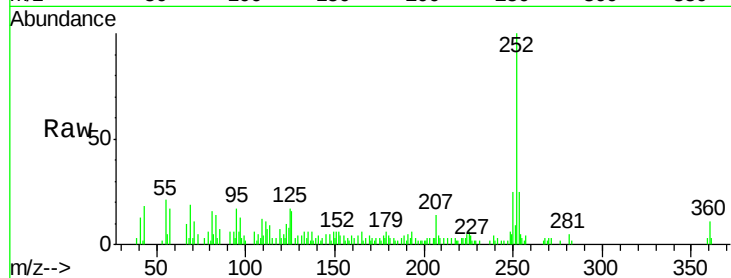




#87
Benzo(b)fluoranthene
Concen: 2.42 ng/mL
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF088368.D
Acq: 25 Jun 2016 10:58

Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(5-7)

Tot Ion: 252 Resp: 24842
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 17.2 7.1 10.7#



#89
Benzo(a)pyrene
Concen: 2.22 ng/mL
RT: 15.01 min Scan# 1174
Delta R.T. -0.05 min
Lab File: BF088368.D
Acq: 25 Jun 2016 10:58

Tgt Ion: 252 Resp: 18495
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 17.9 12.5 18.7

