

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088433.D
 Acq On : 26 Jun 2016 22:20
 Operator : UM/SJ
 Sample : H3663-10 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 27 03:58:57 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

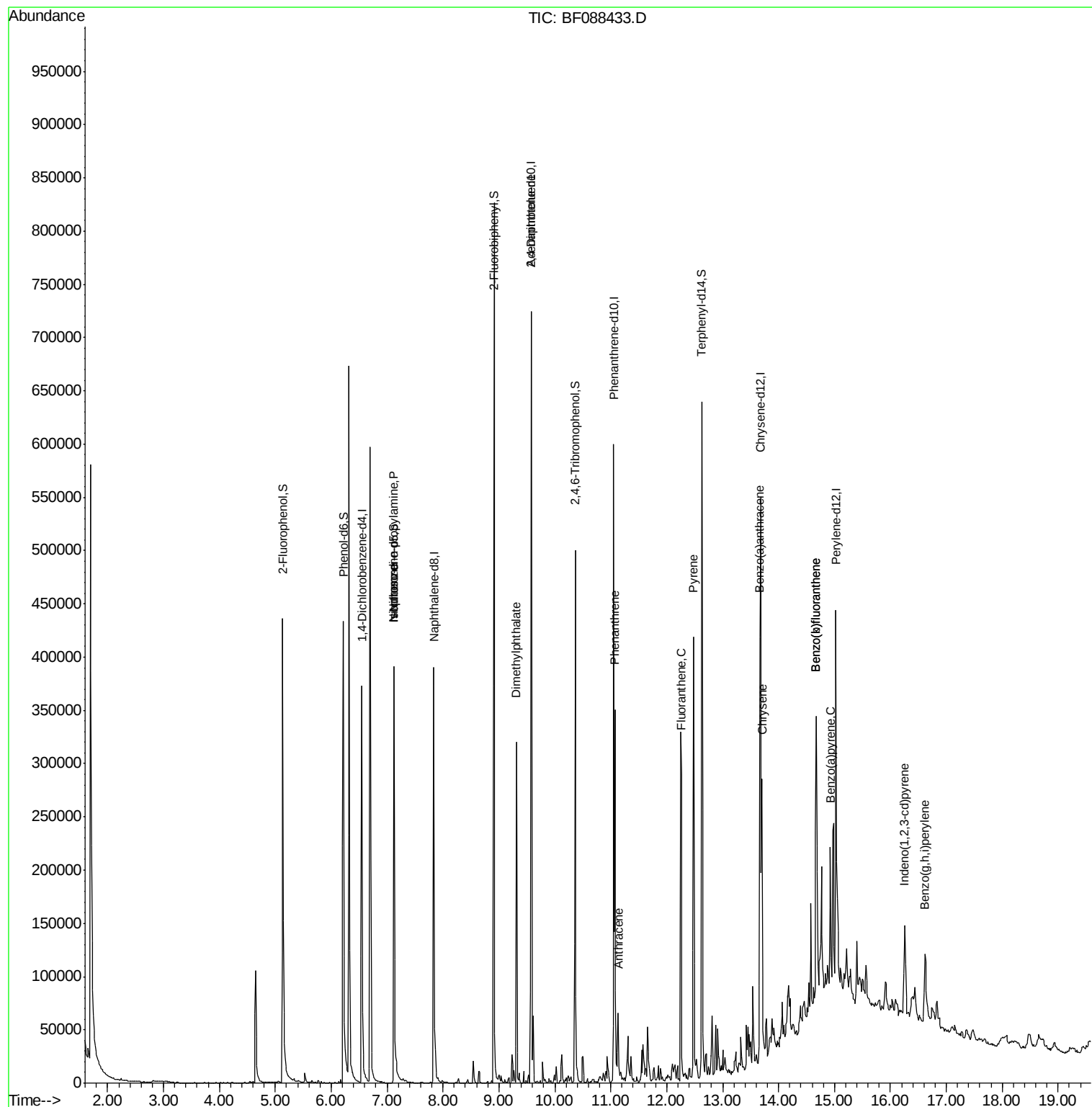
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	78604	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	311952	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	140406	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	232711	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	174162	20.00	ng	-0.07
86) Perylene-d12	15.03	264	153909	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	209312	45.52	ng	-0.05
7) Phenol-d6	6.22	99	268605	48.20	ng	-0.05
23) Nitrobenzene-d5	7.12	82	168773	31.59	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	54371	36.67	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	331966	33.81	ng	-0.06
78) Terphenyl-d14	12.63	244	226827	29.64	ng	-0.07
Target Compounds						
10) Phenol	6.23	94	1843	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	20218	5.67 ng	#	71
25) Isophorone	7.12	82	161656	16.34 ng	#	65
45) 1,1'-Biphenyl	9.02	154	1025	Below Cal		82
49) Dimethylphthalate	9.31	163	133455	13.12 ng		100
56) 2,4-Dinitrotoluene	9.58	165	18018	6.02 ng	#	36
57) Fluorene	10.12	166	8889	Below Cal		99
70) Phenanthrene	11.07	178	132732	10.87 ng		98
71) Anthracene	11.13	178	35896	2.91 ng		97
74) Fluoranthene	12.26	202	201152	15.61 ng		93
77) Pyrene	12.48	202	177188	13.71 ng		98
80) Benzo(a)anthracene	13.67	228	118514	11.94 ng		99
82) Chrysene	13.70	228	84799	9.08 ng		97
85) Indeno(1,2,3-cd)pyrene	16.25	276	55679	6.42 ng	#	100
87) Benzo(b)fluoranthene	14.67	252	190443	17.75 ng	#	96
88) Benzo(k)fluoranthene	14.67	252	190443	23.53 ng		99
89) Benzo(a)pyrene	14.93	252	64767	7.46 ng		100
91) Benzo(g,h,i)perylene	16.62	276	51958	6.27 ng		95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.06 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampleId :

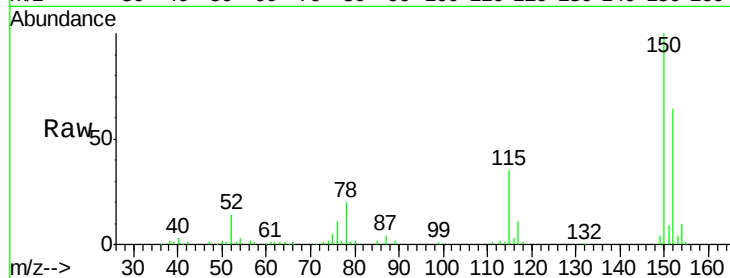
Tot Ion:152 Resp: 78604

Ion Ratio Lower Upper

152 100

150 155.2 123.8 185.6

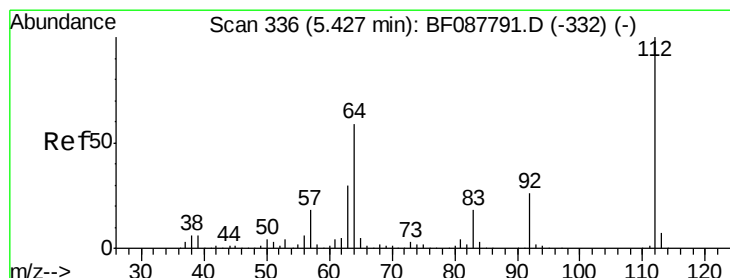
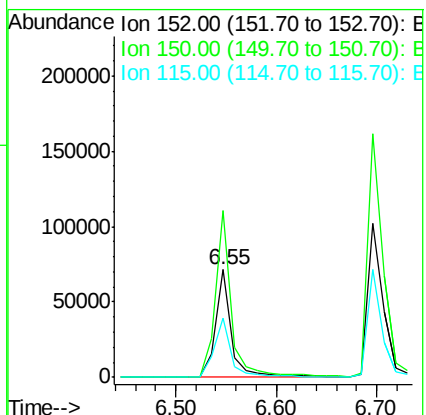
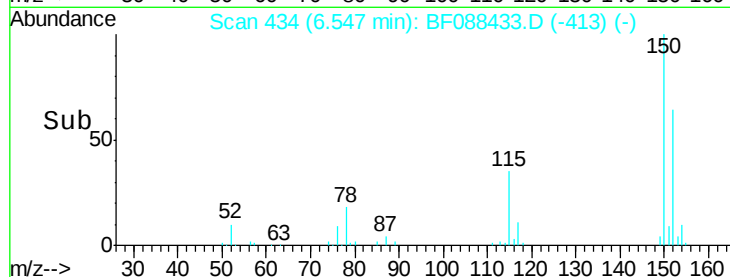
115 54.6 39.6 59.4



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: 45.52 ng

RT: 5.13 min Scan# 310

Delta R.T. -0.05 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

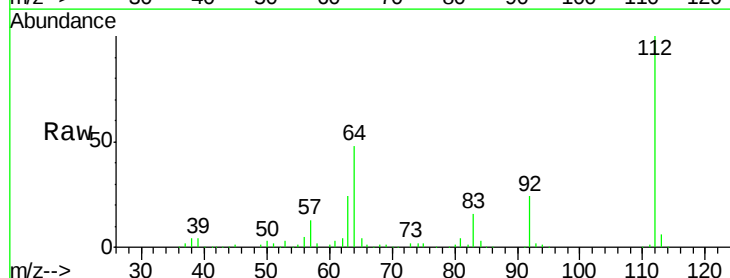
Tgt Ion:112 Resp: 209312

Ion Ratio Lower Upper

112 100

64 47.6 42.2 63.2

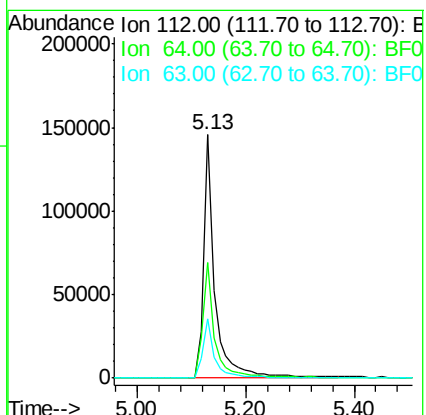
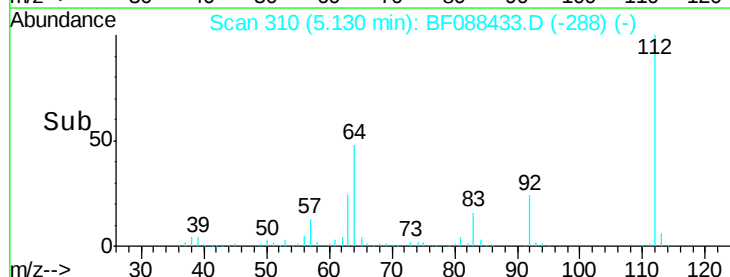
63 24.1 21.8 32.8



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: 48.20 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampled :

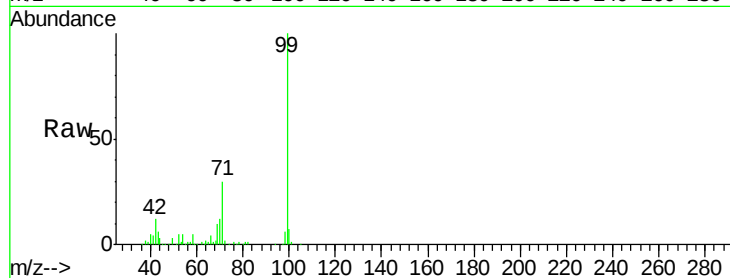
Tot Ion: 99 Resp: 268605

Ion Ratio Lower Upper

99 100

42 11.9 12.2 18.2#

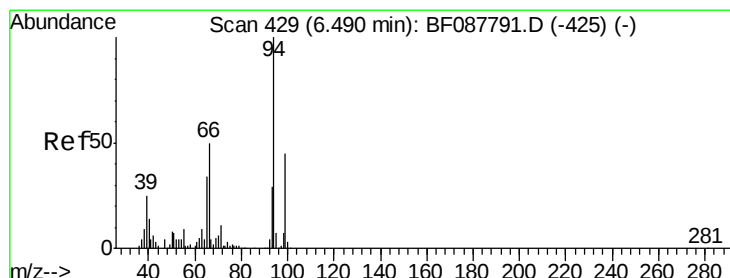
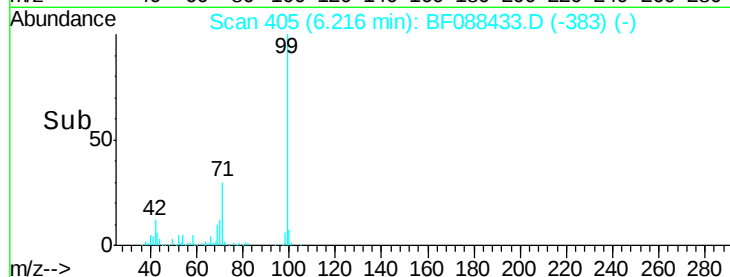
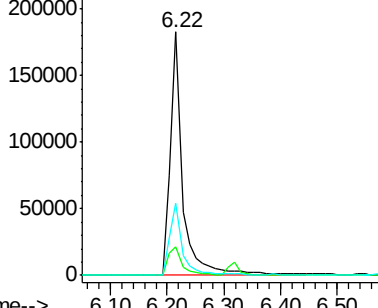
71 29.6 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

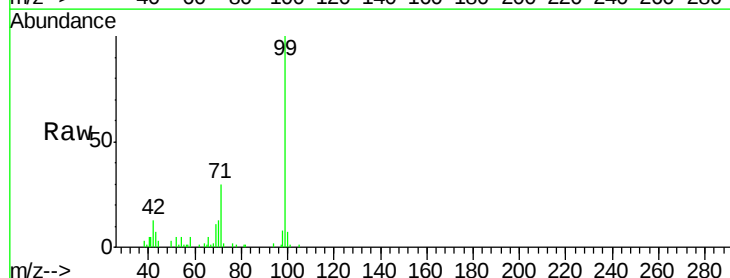
Tgt Ion: 94 Resp: 1843

Ion Ratio Lower Upper

94 100

65 58.5 5.9 45.9#

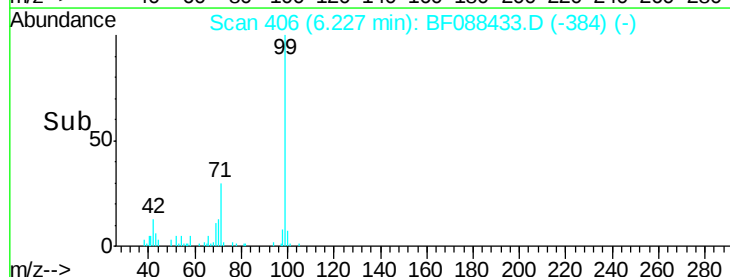
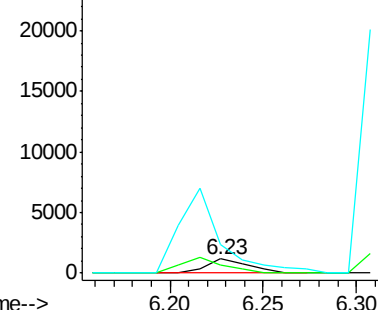
66 201.9 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

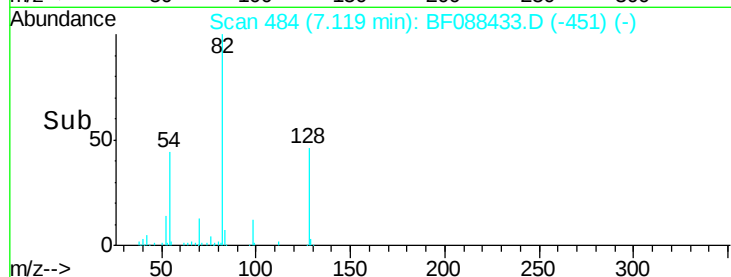
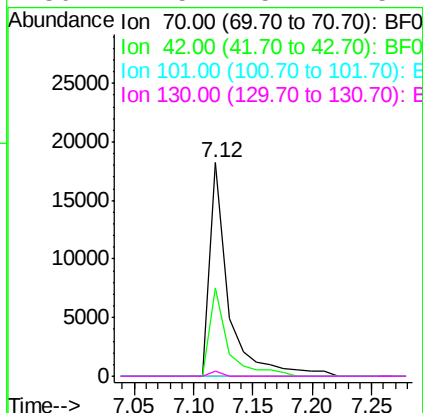
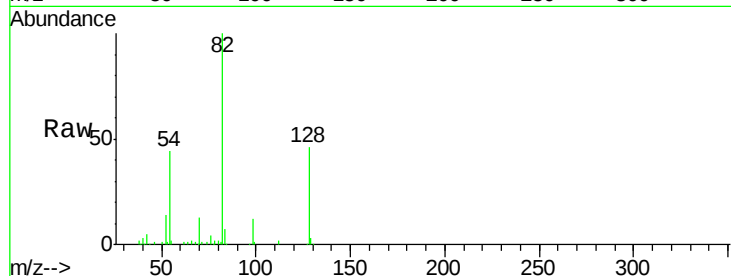




#19
n-Nitroso-di-n-propylamine
Concen: 5.67 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.08 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

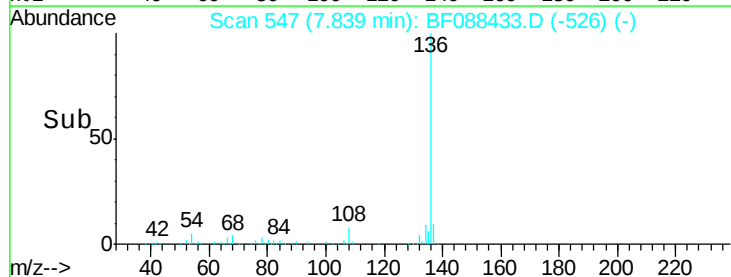
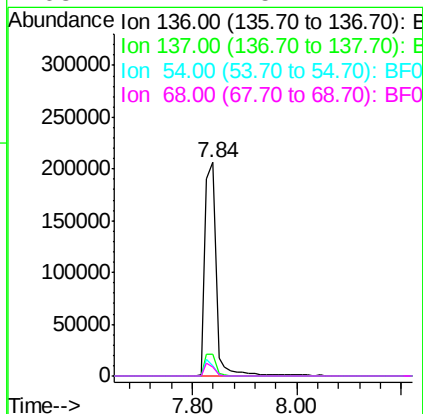
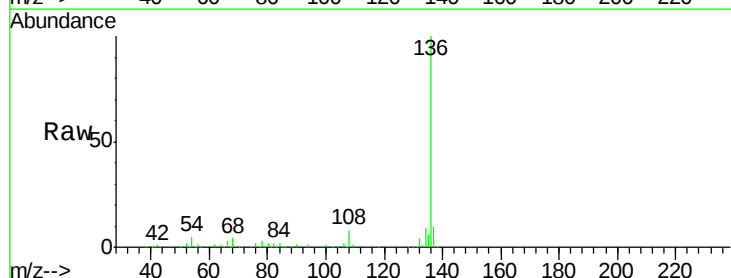
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 20218
Ion Ratio Lower Upper
70 100
42 41.4 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion: 136 Resp: 311952
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 4.6 6.6 10.0#
68 4.1 5.1 7.7#

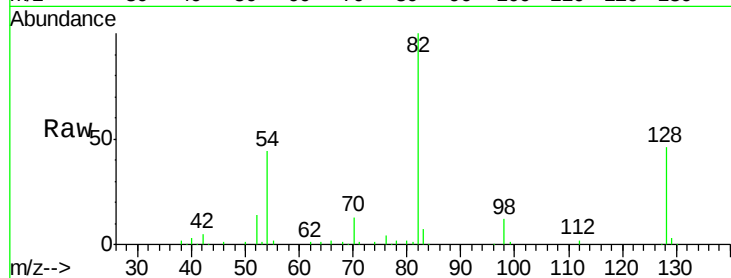




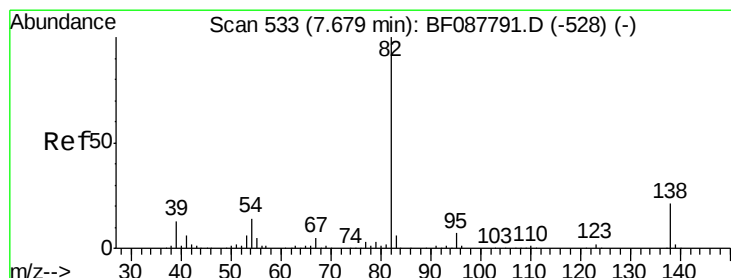
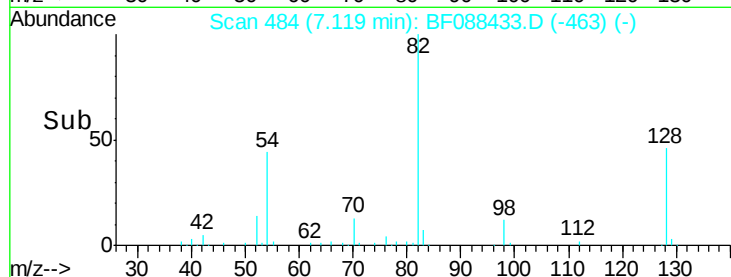
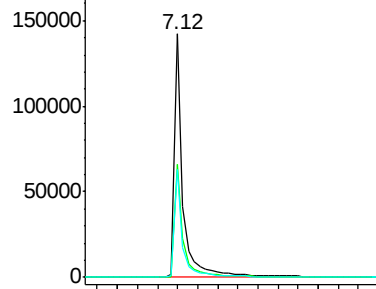
#23
 Nitrobenzene-d5
 Concen: 31.59 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.06 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 168773
 Ion Ratio Lower Upper
 82 100
 128 46.2 35.9 53.9
 54 44.1 40.9 61.3

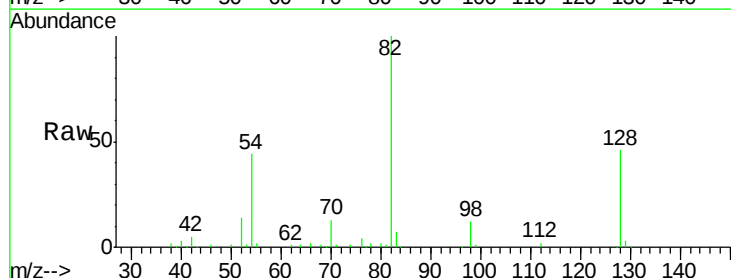


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

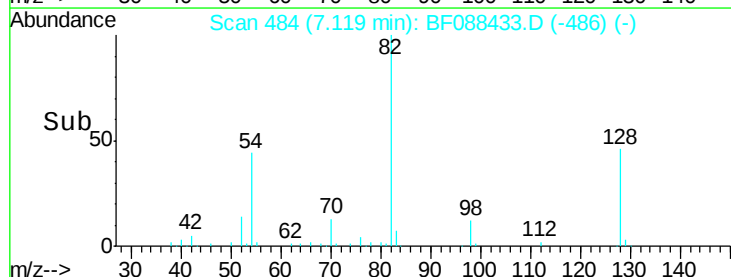
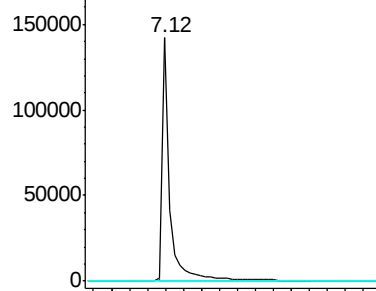


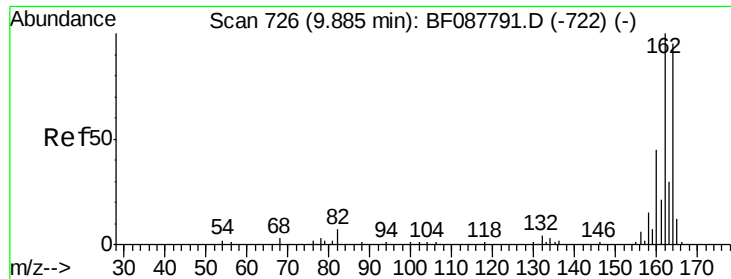
#25
 Isophorone
 Concen: 16.34 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.32 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Tgt Ion: 82 Resp: 161656
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

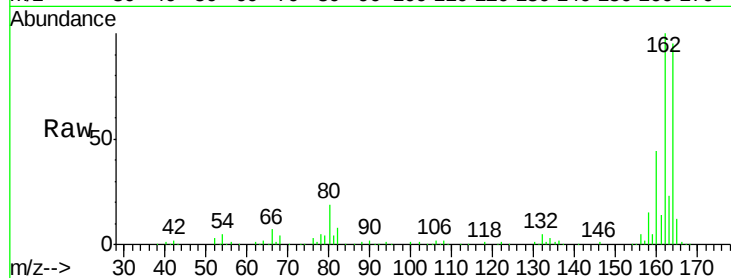




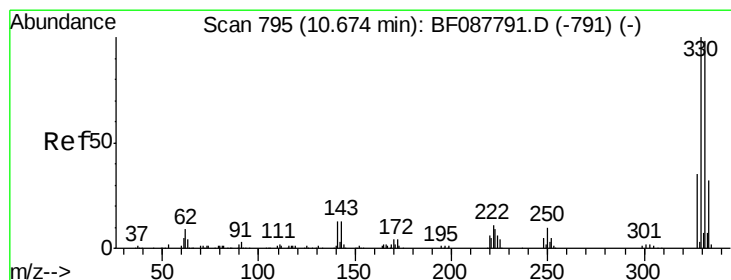
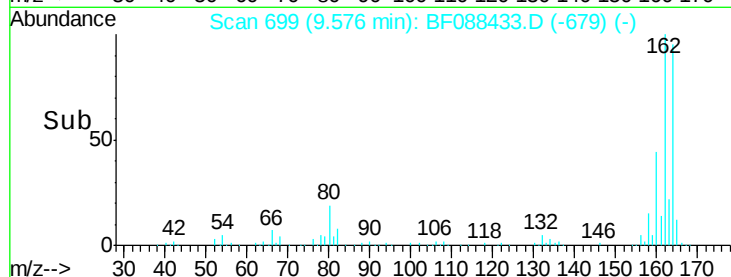
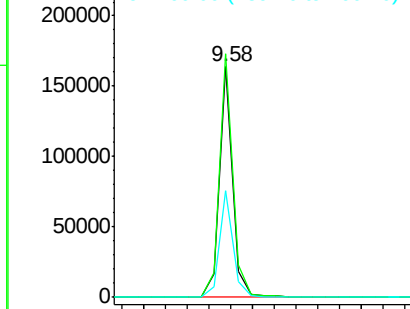
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 140406
Ion Ratio Lower Upper
164 100
162 105.7 85.4 128.2
160 46.3 39.5 59.3

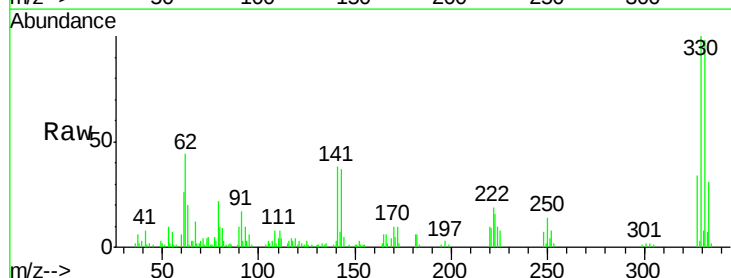


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

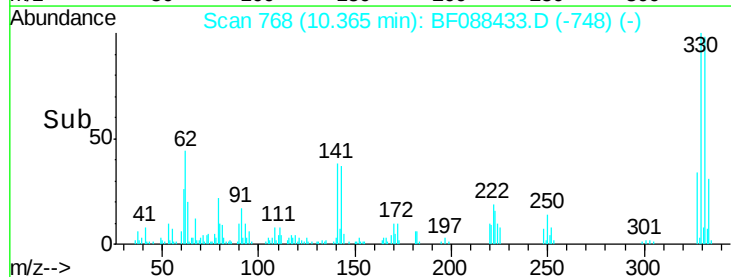
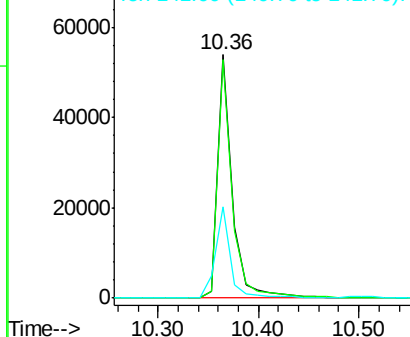


#41
2,4,6-Tribromophenol
Concen: 36.67 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion:330 Resp: 54371
Ion Ratio Lower Upper
330 100
332 97.7 0.0 0.0#
141 39.0 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

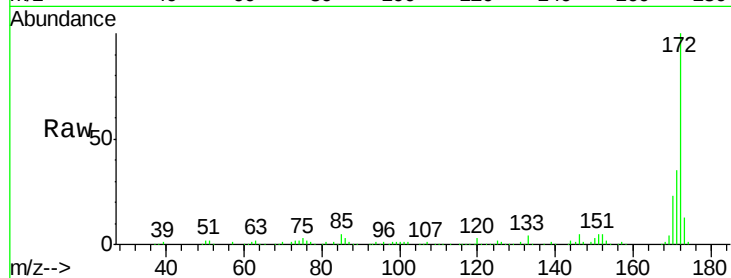




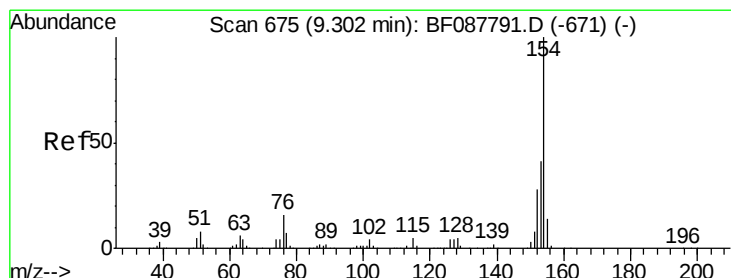
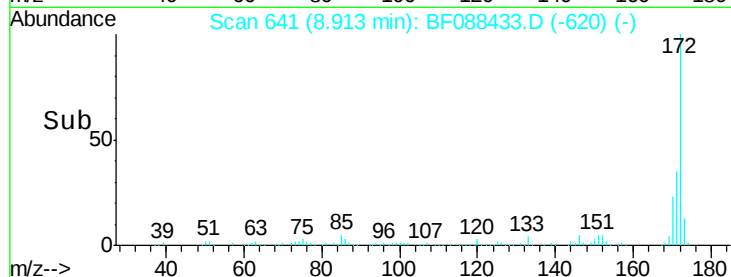
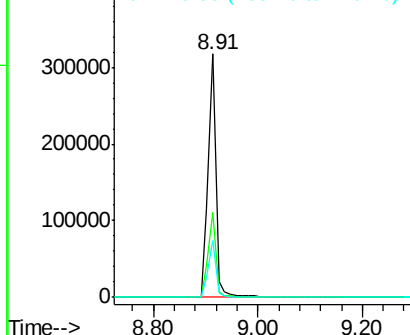
#44
 2-Fluorobiphenyl
 Concen: 33.81 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 331966
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 43.0
 170 23.3 19.2 28.8

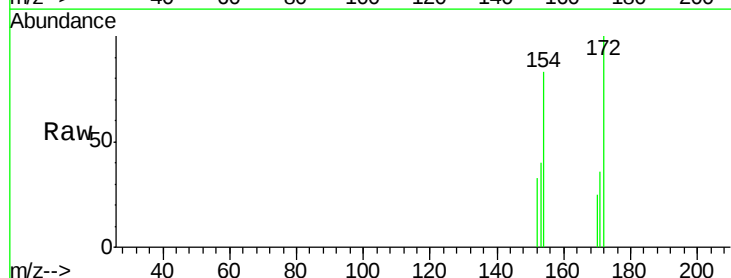


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

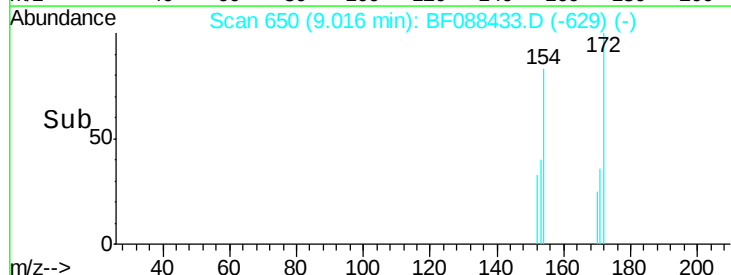
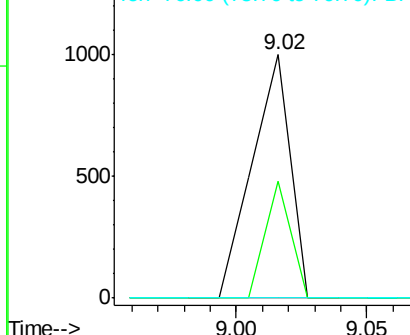


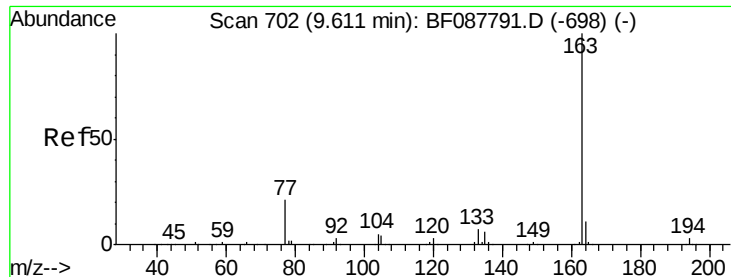
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.02 min Scan# 650
 Delta R.T. -0.06 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Tgt Ion:154 Resp: 1025
 Ion Ratio Lower Upper
 154 100
 153 47.8 20.6 60.6
 76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

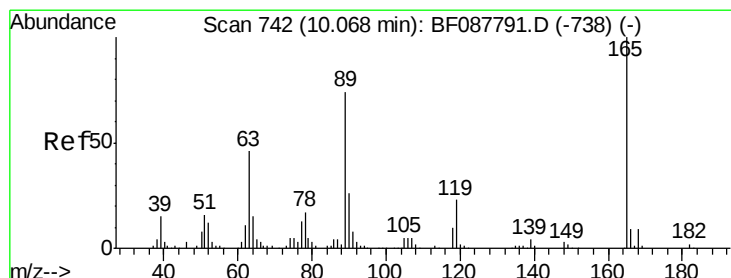
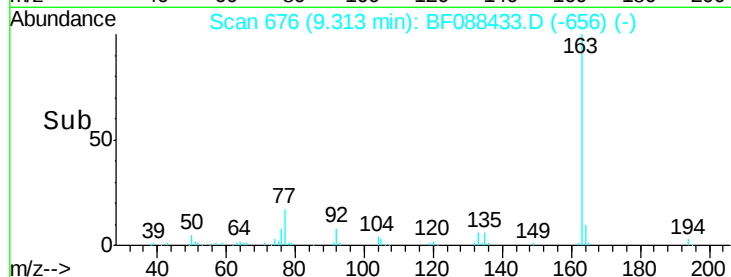
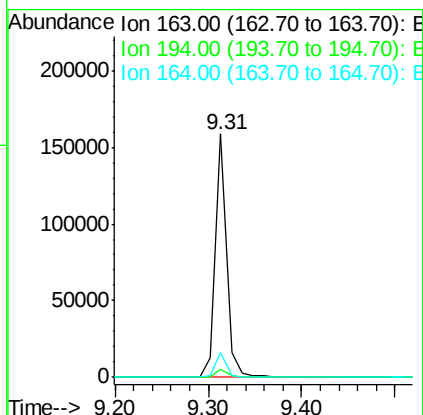
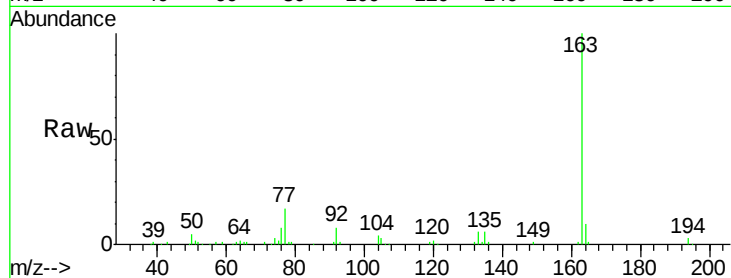




#49
Dimethylphthalate
Concen: 13.12 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

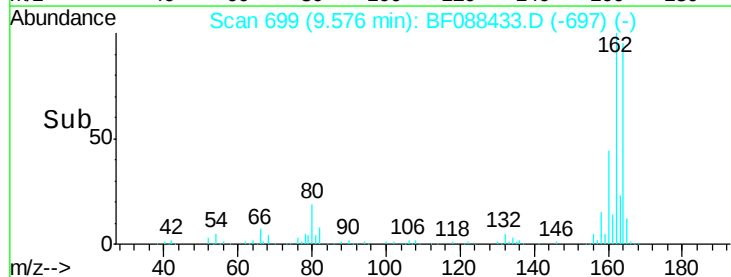
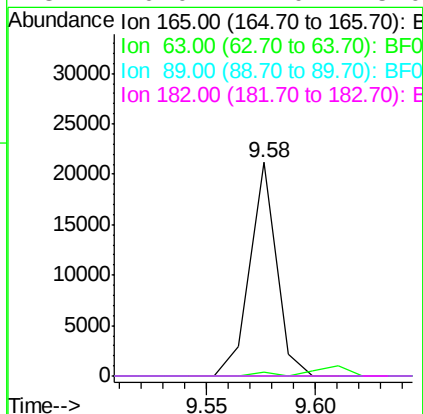
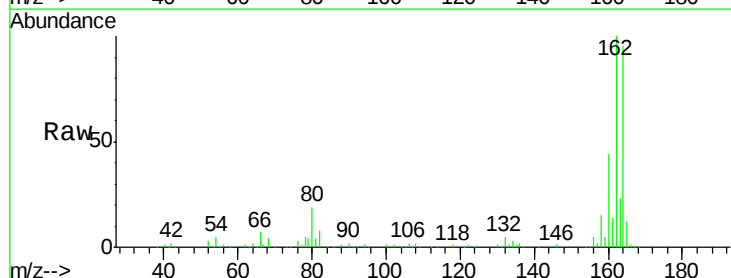
Instrument :
BNA_G
ClientSampleId :

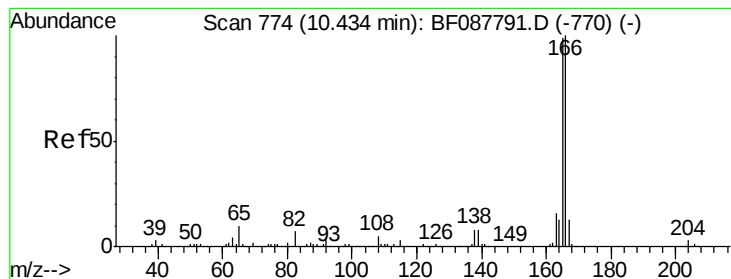
Tot Ion:163 Resp: 133455
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.2 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.02 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.27 min
Lab File: BF088433.D
Acq: 26 Jun 2016 22:20

Tgt Ion:165 Resp: 18018
Ion Ratio Lower Upper
165 100
63 1.5 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.12 min Scan# 747

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampleId :

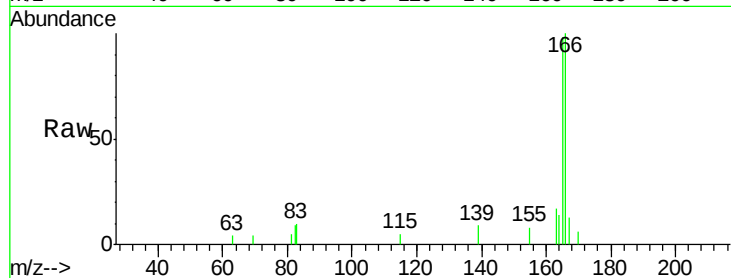
Tot Ion:166 Resp: 8889

Ion Ratio Lower Upper

166 100

165 98.3 77.8 116.8

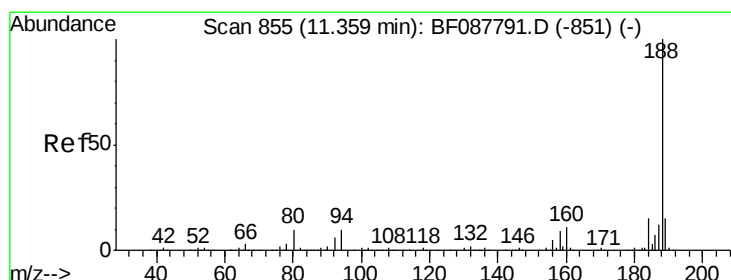
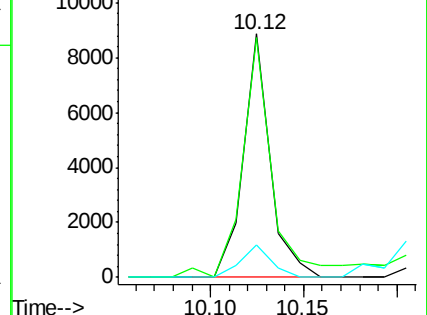
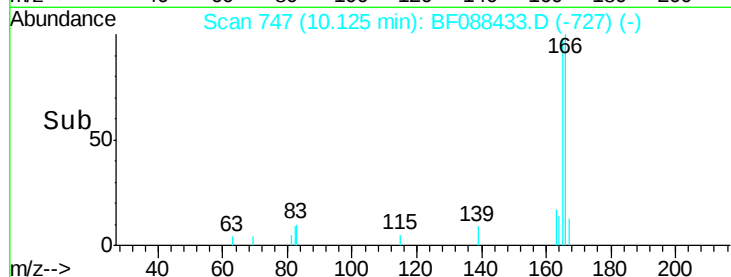
167 13.4 11.2 16.8



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: 11.05 min Scan# 828

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

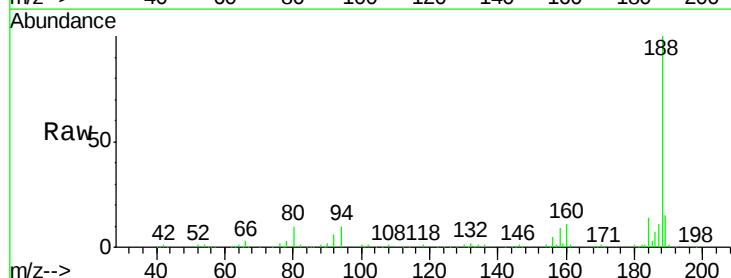
Tgt Ion:188 Resp: 232711

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.6

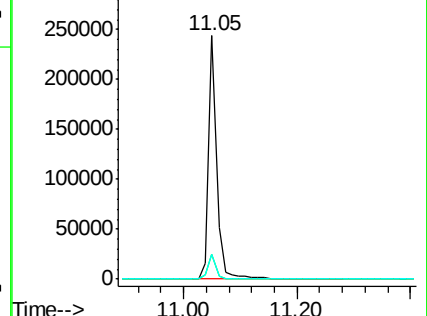
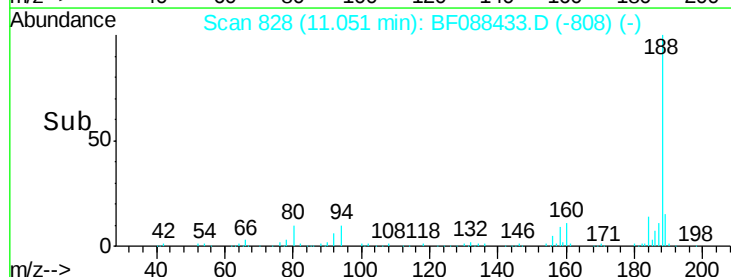
80 10.3 10.0 15.0

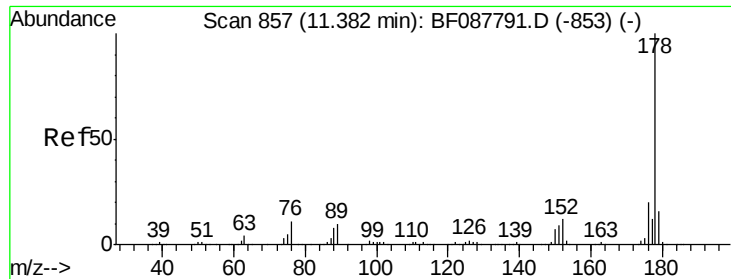


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.87 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampleId :

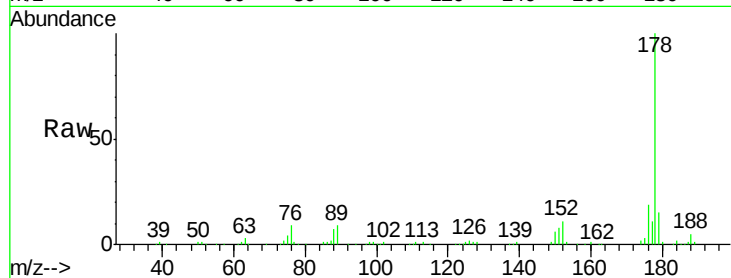
Tot Ion:178 Resp: 132732

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

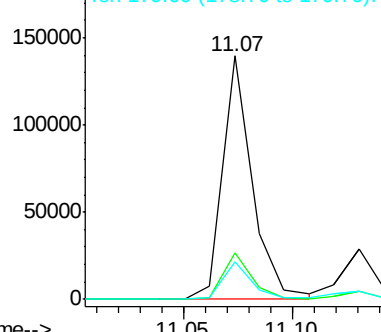
179 15.4 13.0 19.4



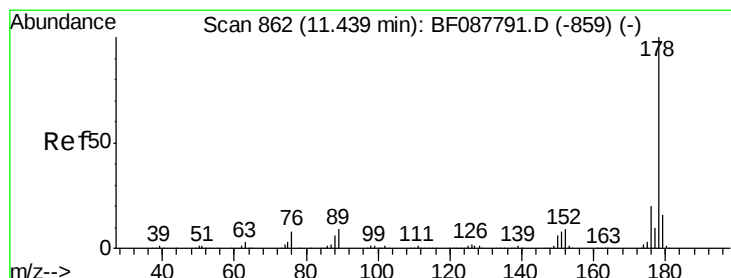
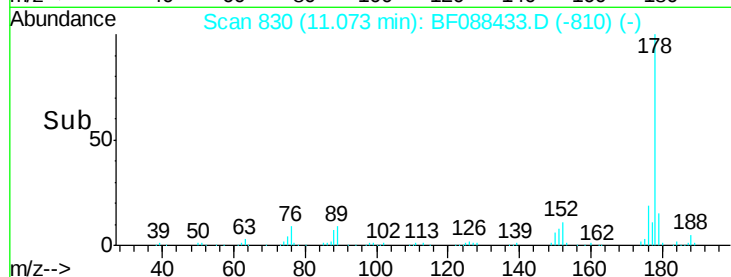
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 2.91 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

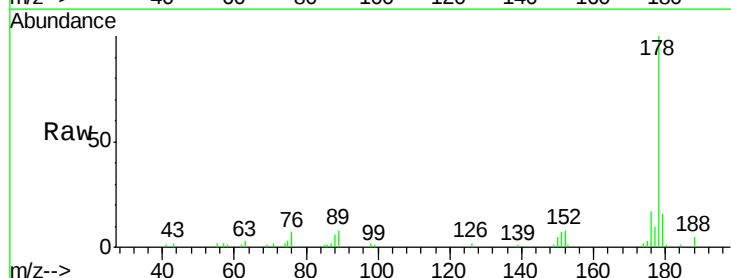
Tgt Ion:178 Resp: 35896

Ion Ratio Lower Upper

178 100

176 17.1 15.6 23.4

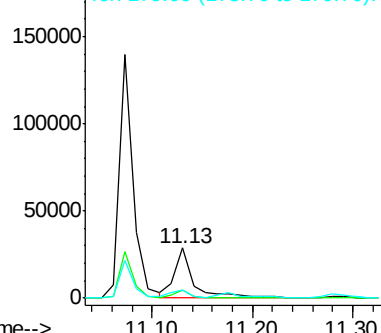
179 15.5 12.8 19.2



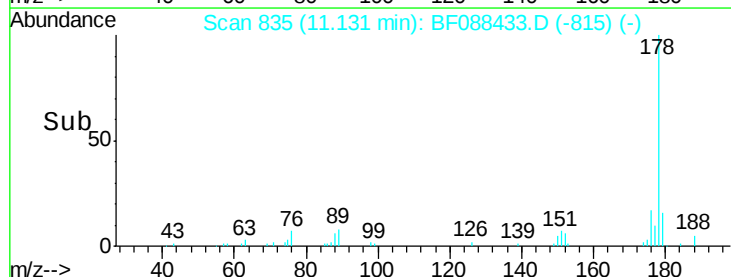
Abundance Ion 178.00 (177.70 to 178.70): E

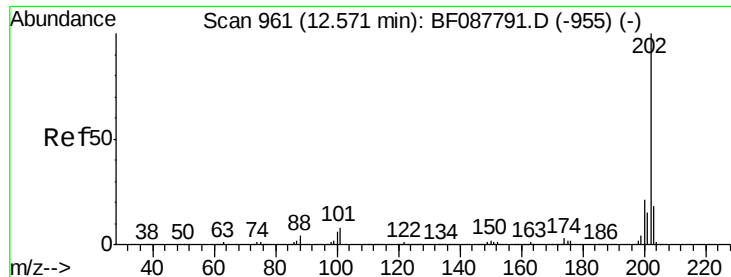
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 15.61 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampleId :

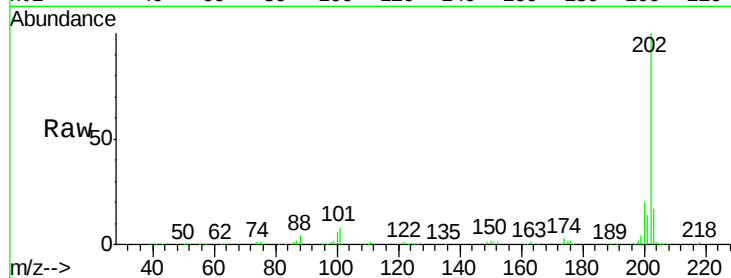
Tot Ion:202 Resp: 201152

Ion Ratio Lower Upper

202 100

101 8.5 0.0 33.1

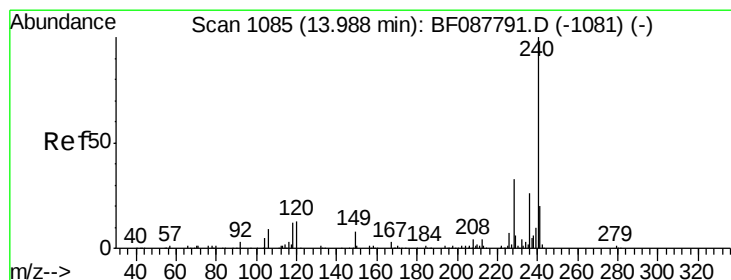
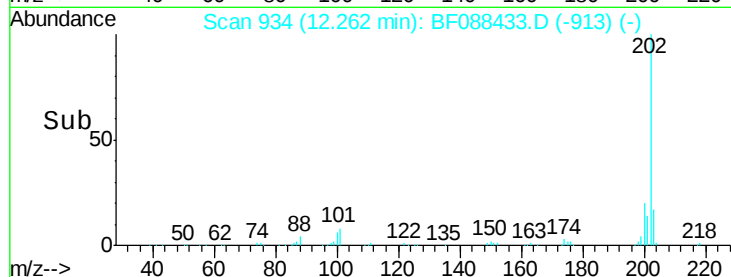
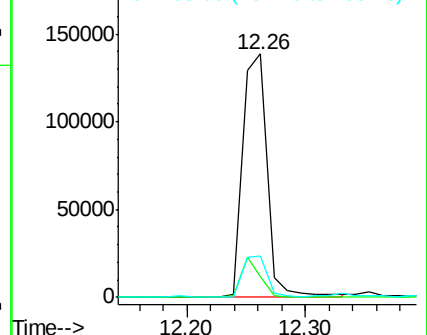
203 16.8 0.0 38.1



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: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

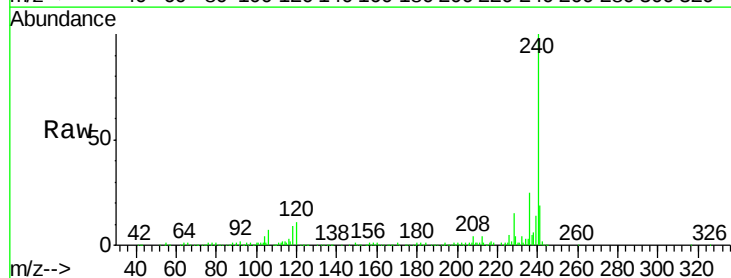
Tgt Ion:240 Resp: 174162

Ion Ratio Lower Upper

240 100

120 10.9 6.8 10.2#

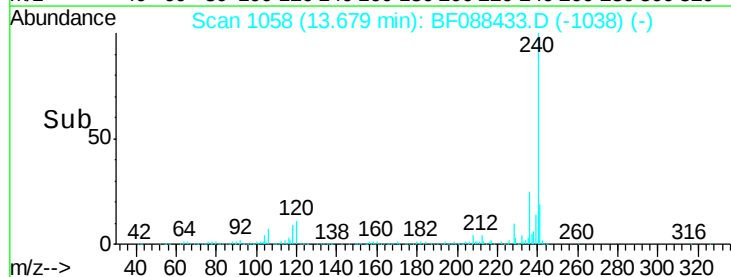
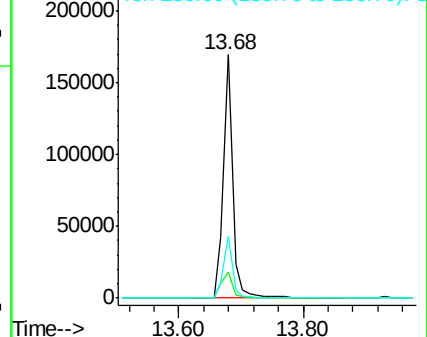
236 25.2 20.2 30.2

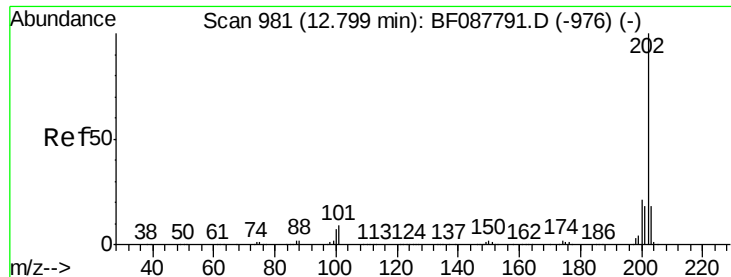


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.71 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampled :

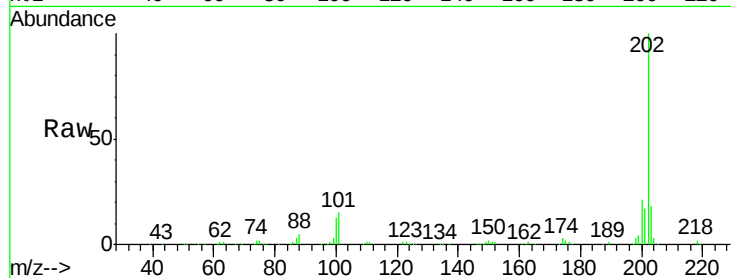
Tot Ion:202 Resp: 177188

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

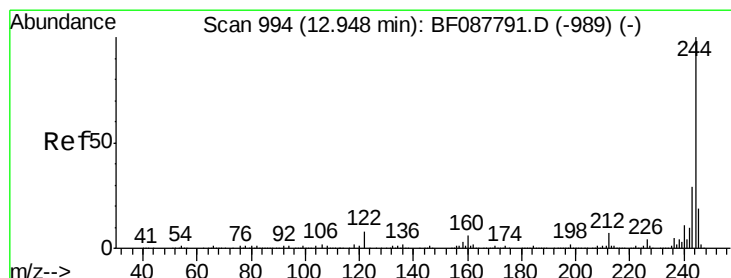
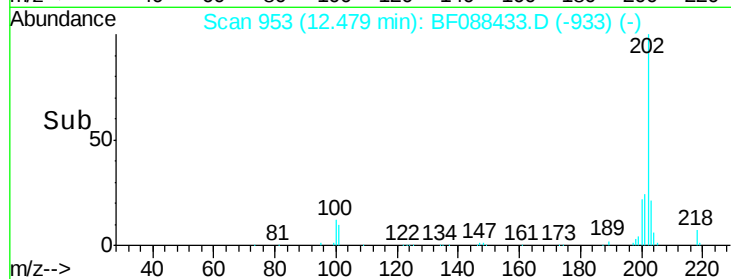
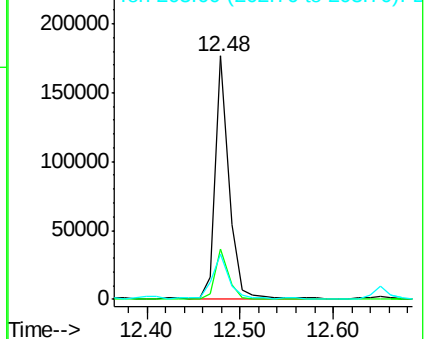
203 18.4 14.5 21.7



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: 29.64 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

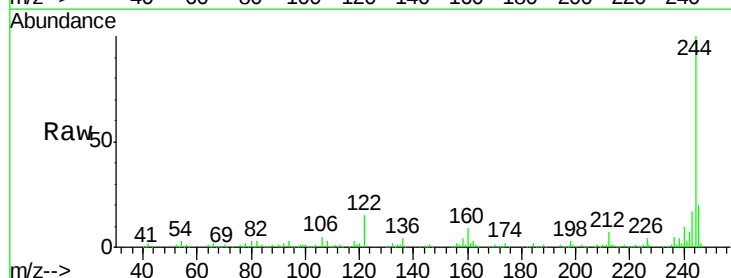
Tgt Ion:244 Resp: 226827

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

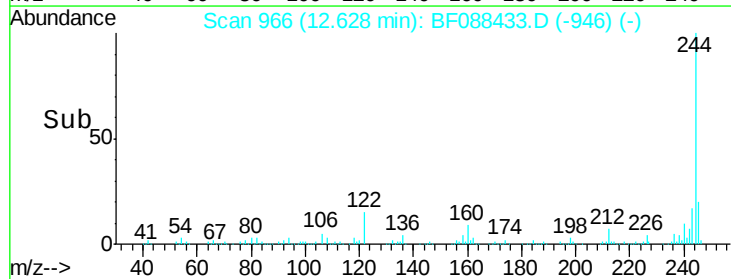
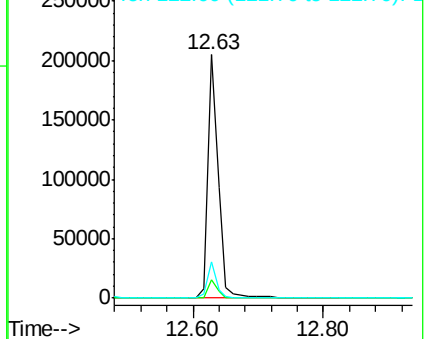
122 15.1 11.2 16.8

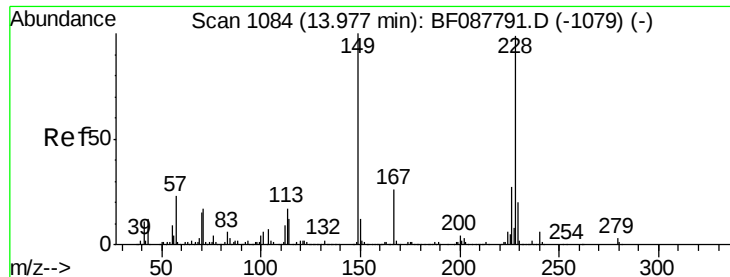


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.94 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampled :

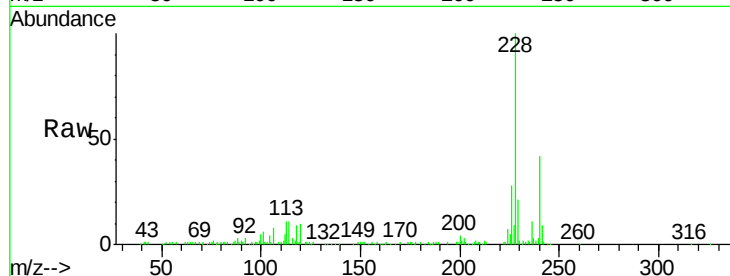
Tot Ion:228 Resp: 118514

Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

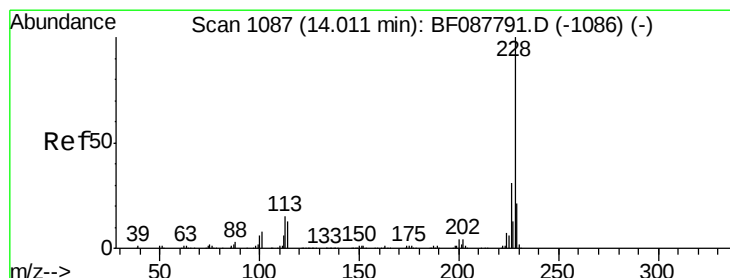
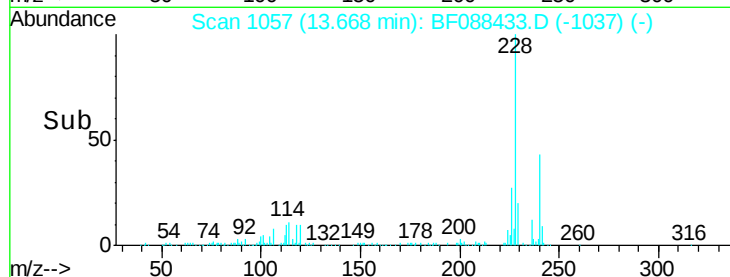
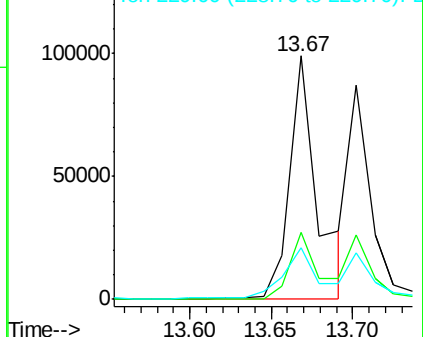
229 21.0 16.0 24.0



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: 9.08 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.07 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

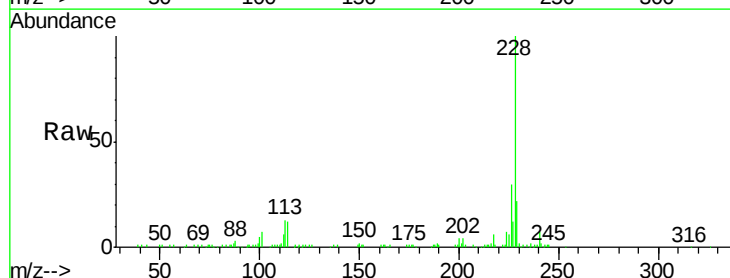
Tgt Ion:228 Resp: 84799

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.2

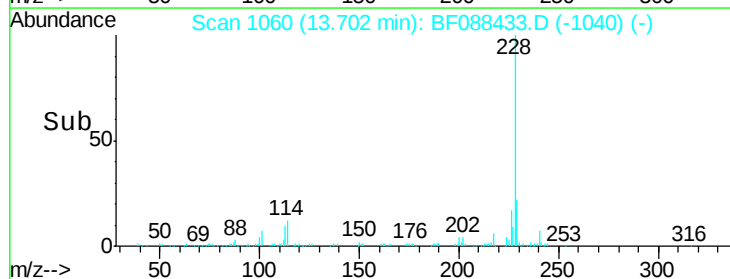
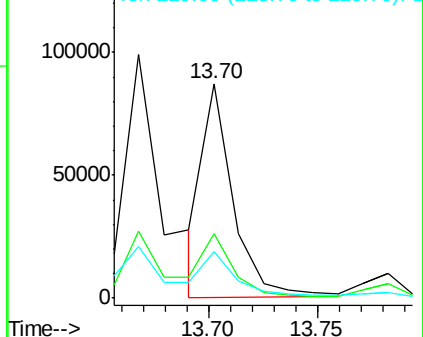
229 21.6 16.3 24.5

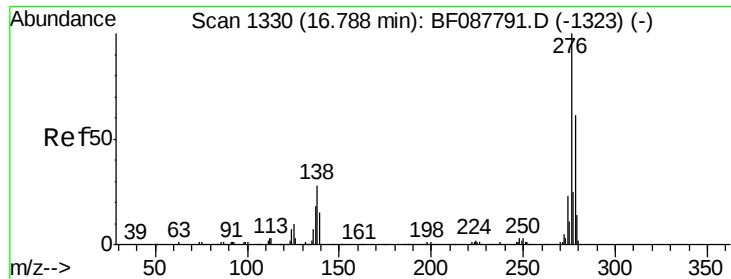


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

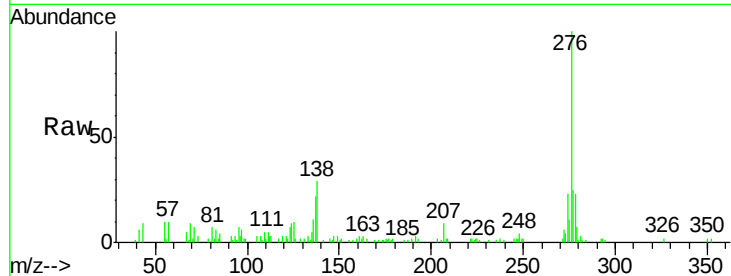




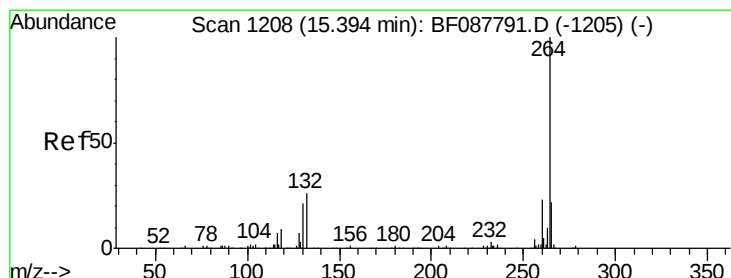
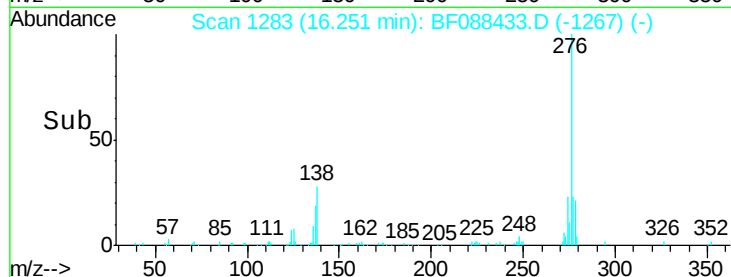
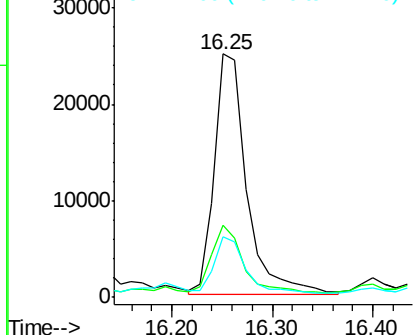
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.42 ng
 RT: 16.25 min Scan# 1283
 Delta R.T. -0.11 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:276 Resp: 55679
 Ion Ratio Lower Upper
 276 100
 138 28.4 0.0 0.0#
 277 25.2 0.0 0.0#

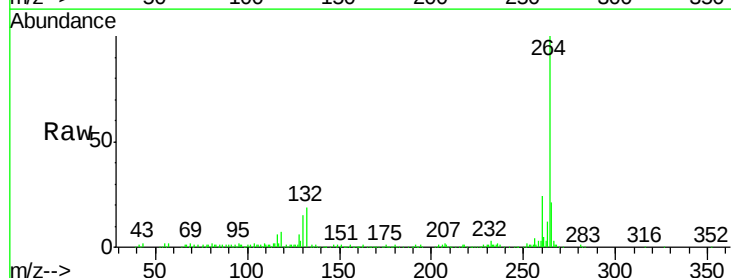


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

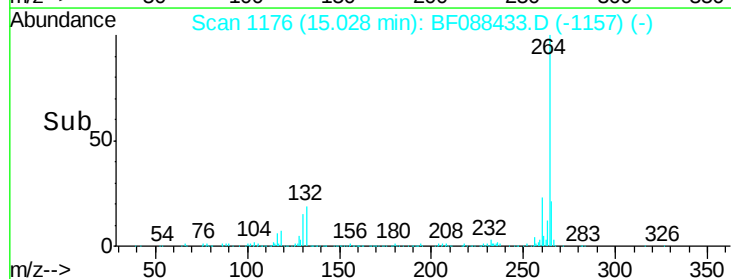
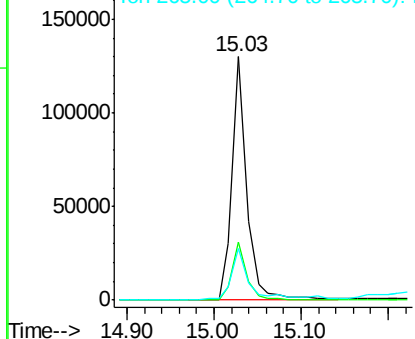


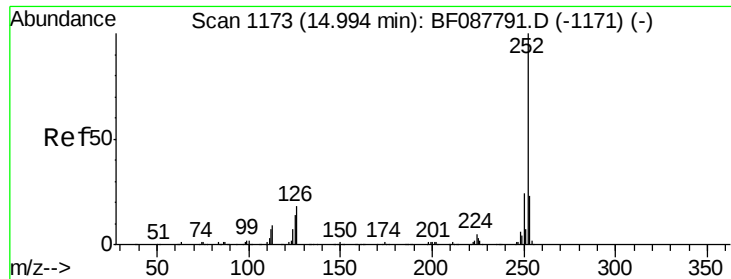
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.08 min
 Lab File: BF088433.D
 Acq: 26 Jun 2016 22:20

Tgt Ion:264 Resp: 153909
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.3 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.75 ng

RT: 14.67 min Scan# 1145

Delta R.T. -0.07 min

Lab File: BF088433.D

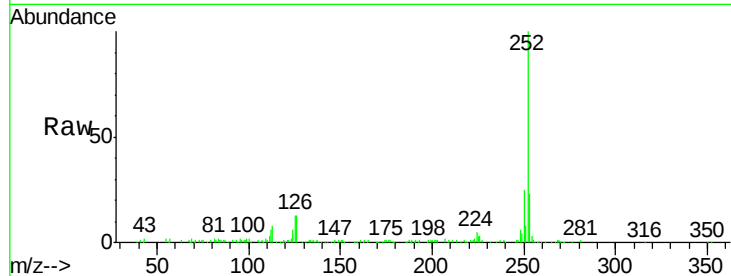
Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampleId :

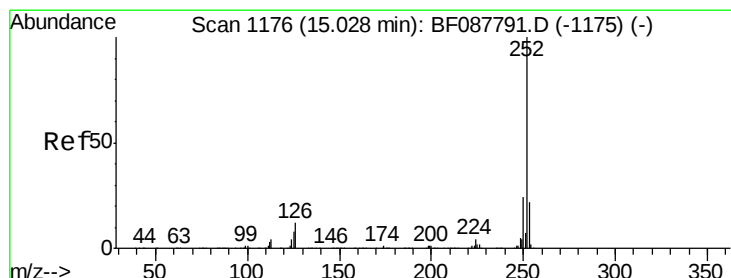
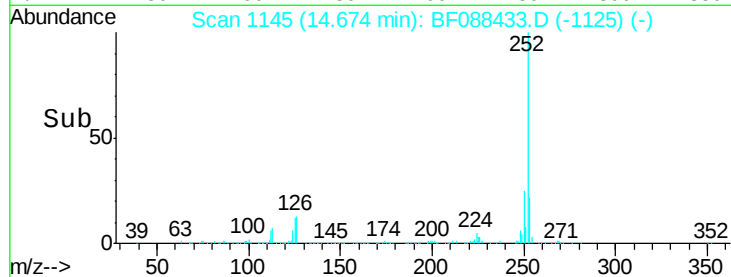
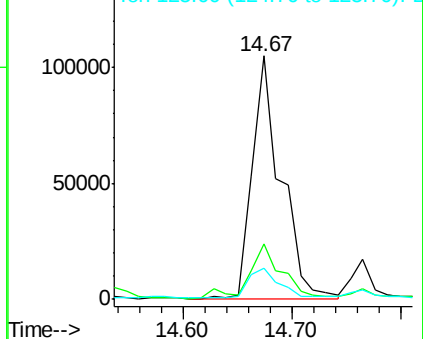
Tot Ion:252	Resp:	190443
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.4 26.2
125	12.7	7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 23.53 ng

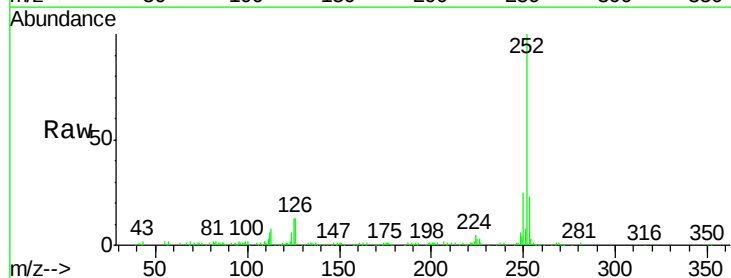
RT: 14.67 min Scan# 1145

Delta R.T. -0.09 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

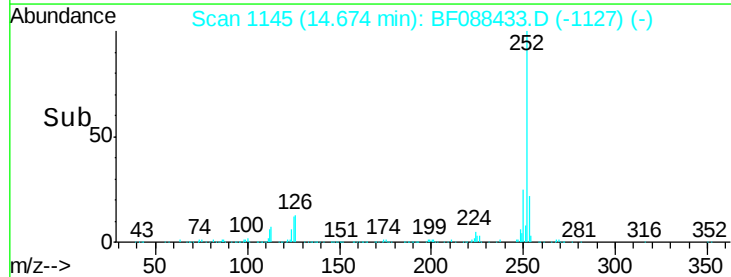
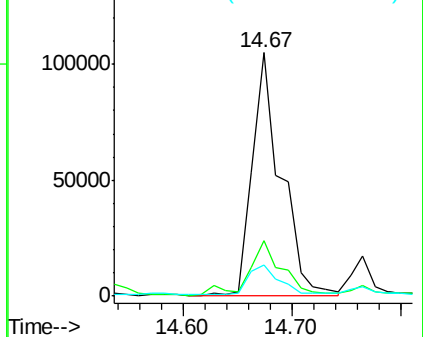
Tgt Ion:252	Resp:	190443
Ion Ratio	Lower	Upper
252	100	
253	22.7	18.0 27.0
125	12.7	11.2 16.8

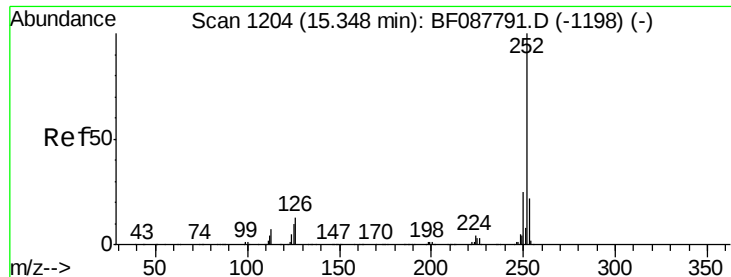


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.46 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.13 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

Instrument :

BNA_G

ClientSampleId :

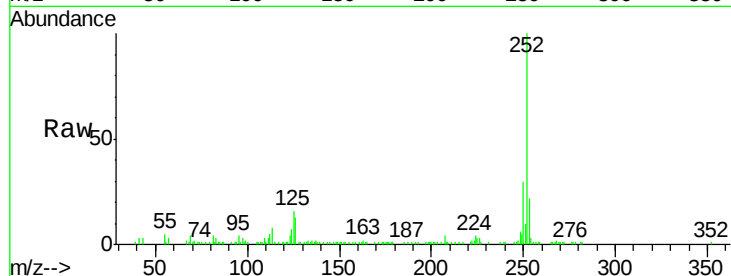
Tot Ion:252 Resp: 64767

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

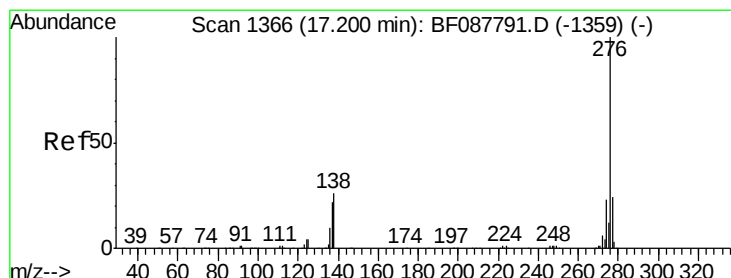
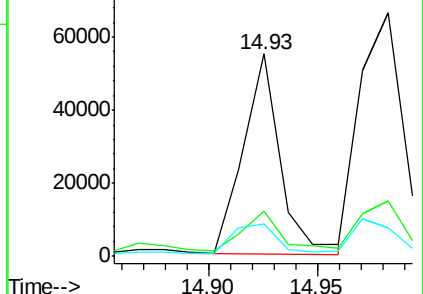
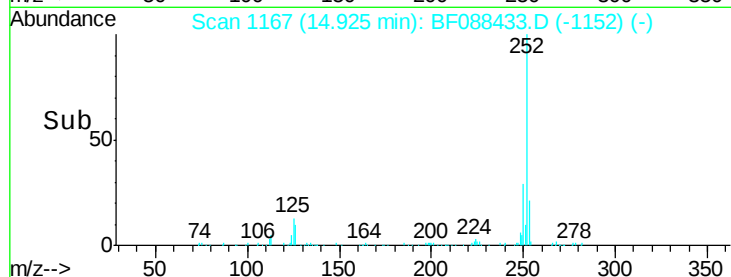
125 16.1 12.5 18.7



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



#91

Benzo(g,h,i)perylene

Concen: 6.27 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.13 min

Lab File: BF088433.D

Acq: 26 Jun 2016 22:20

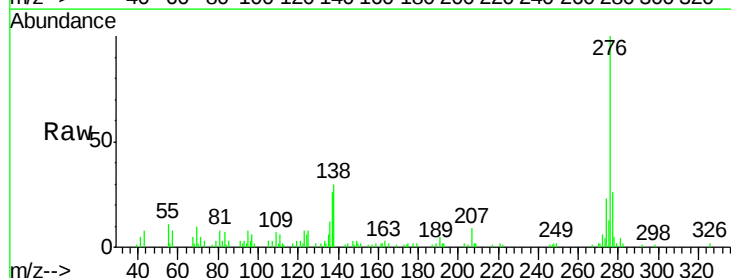
Tgt Ion:276 Resp: 51958

Ion Ratio Lower Upper

276 100

277 25.6 18.9 28.3

138 30.0 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

