

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089051.D
 Acq On : 16 Jul 2016 13:07
 Operator : UM/SJ
 Sample : H3951-04 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 01:12:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

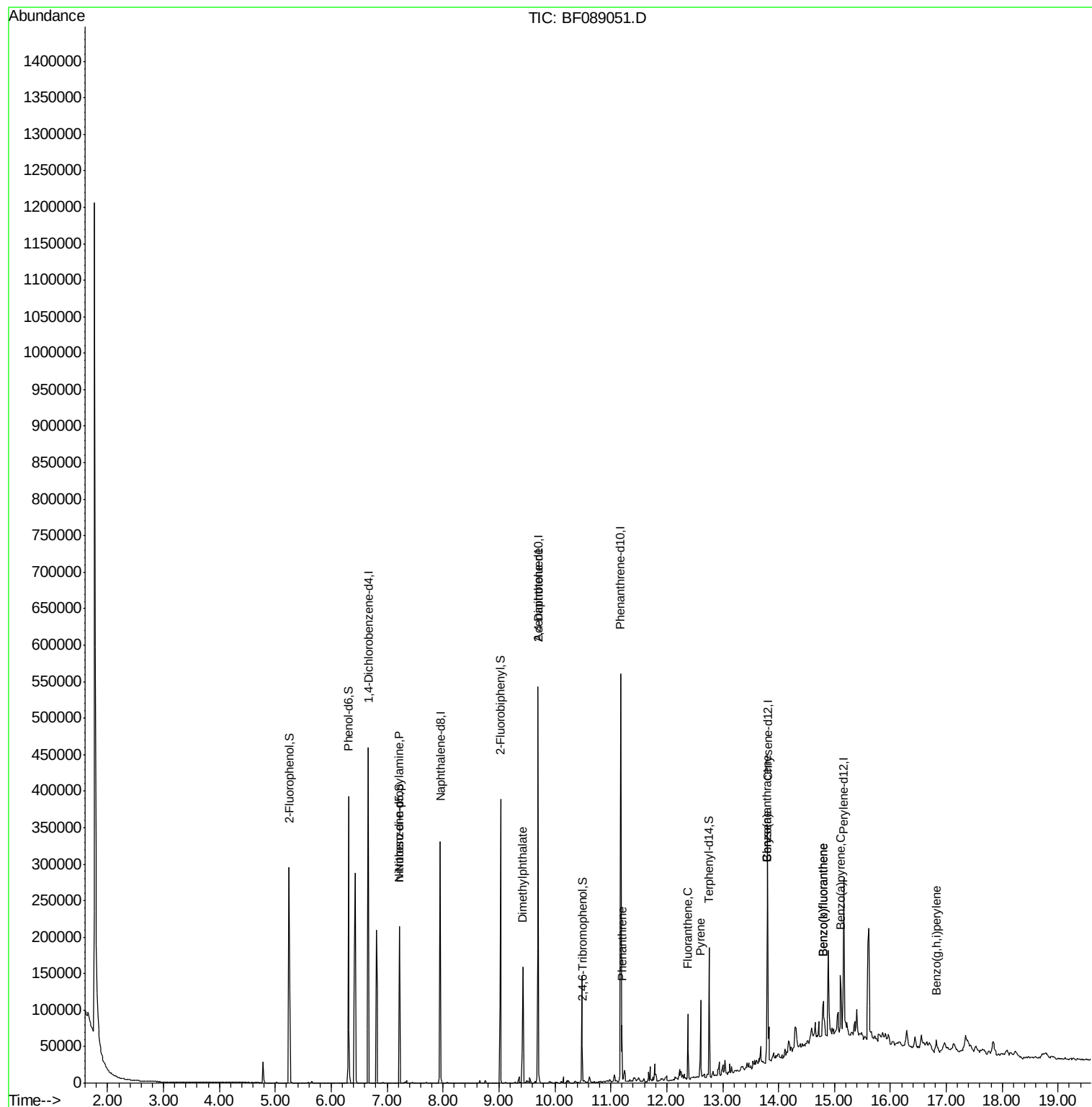
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	62672	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	227684	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	108062	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	179388	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	110421	20.00	ng	-0.05
86) Perylene-d12	15.17	264	100130	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	87027	20.81	ng	-0.05
7) Phenol-d6	6.31	99	117931	21.83	ng	-0.05
23) Nitrobenzene-d5	7.22	82	62584	14.40	ng	-0.06
41) 2,4,6-Tribromophenol	10.49	330	13645	13.60	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	119784	17.51	ng	-0.05
78) Terphenyl-d14	12.75	244	59583	12.02	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	8765	2.41	ng	# 72
49) Dimethylphthalate	9.43	163	64672	8.40	ng	99
56) 2,4-Dinitrotoluene	9.70	165	13542	6.07	ng	# 36
70) Phenanthrene	11.20	178	26617	2.71	ng	98
74) Fluoranthene	12.38	202	39134	3.94	ng	97
77) Pyrene	12.61	202	40664	4.34	ng	98
80) Benzo(a)anthracene	13.79	228	24244	3.41	ng	# 93
82) Chrysene	13.79	228	24244	3.45	ng	97
87) Benzo(b)fluoranthene	14.80	252	29558	4.71	ng	# 91
88) Benzo(k)fluoranthene	14.80	252	29558	5.41	ng	96
89) Benzo(a)pyrene	15.11	252	17562	3.30	ng	# 94
91) Benzo(a,h,i)perylene	16.82	276	9271	2.02	ng	98

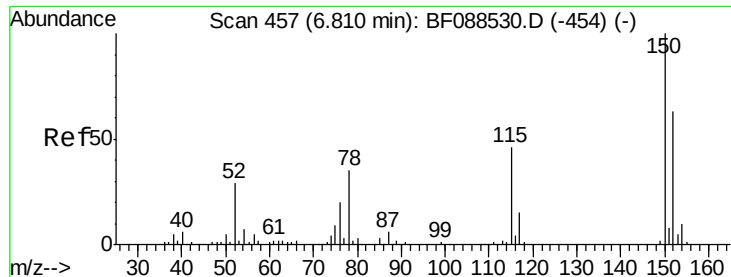
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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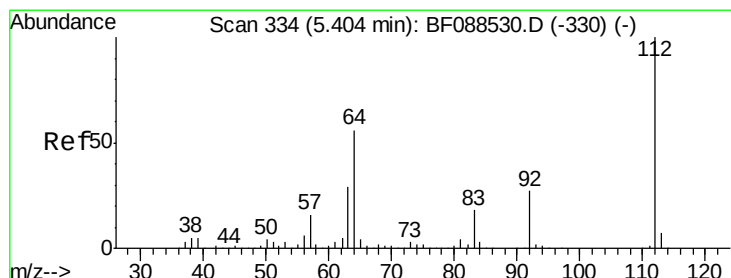
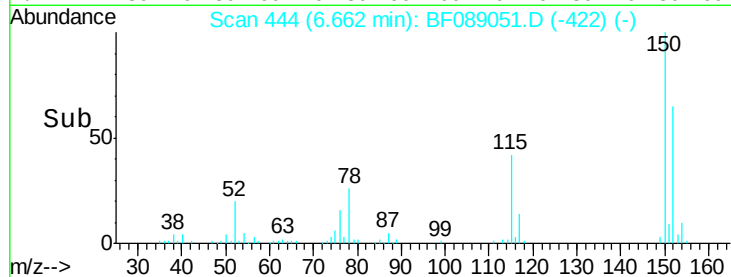
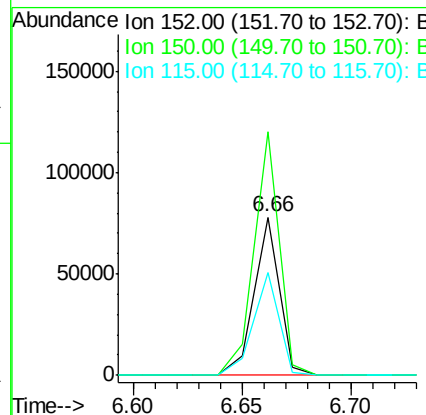
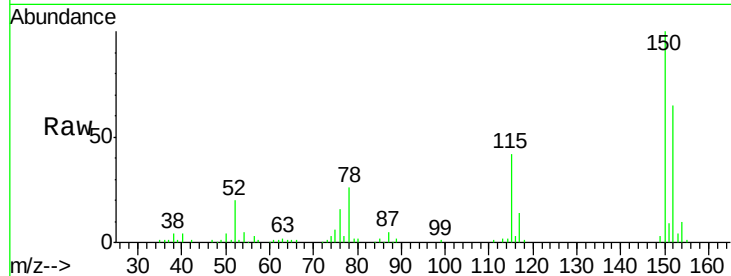


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Instrument :
BNA_F
ClientSampleId :

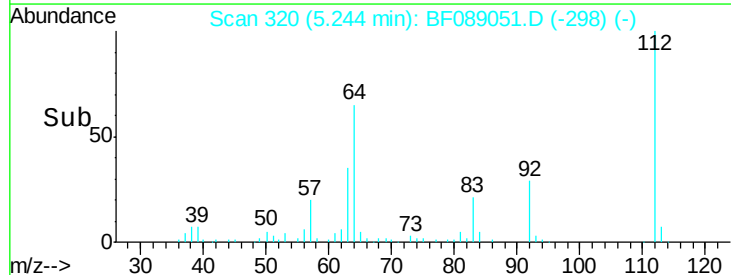
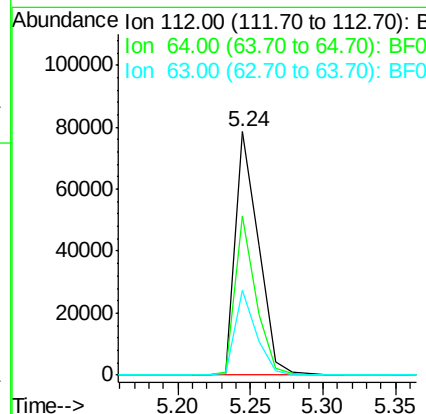
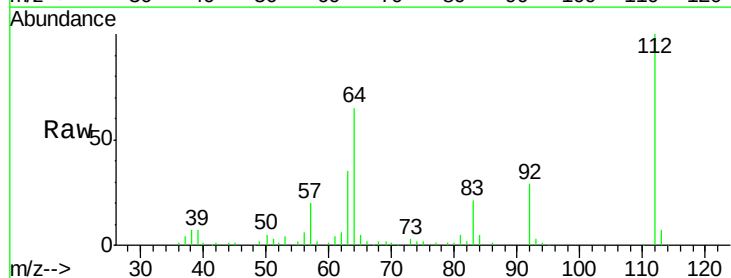
Tot Ion:152 Resp: 62672
Ion Ratio Lower Upper
152 100
150 154.0 123.8 185.6
115 64.9 39.6 59.4#

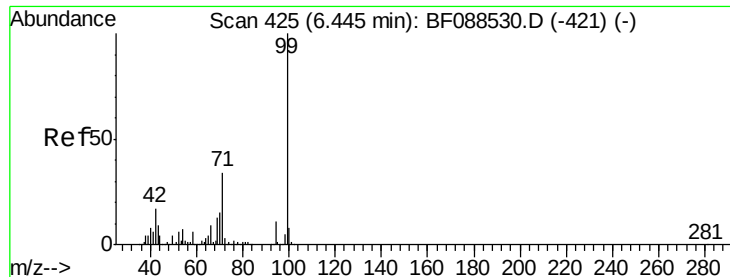


#5

2-Fluorophenol
Concen: 20.81 ng
RT: 5.24 min Scan# 320
Delta R.T. -0.05 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Tgt Ion:112 Resp: 87027
Ion Ratio Lower Upper
112 100
64 65.3 42.2 63.2#
63 35.0 21.8 32.8#





#7

Phenol-d6

Concen: 21.83 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

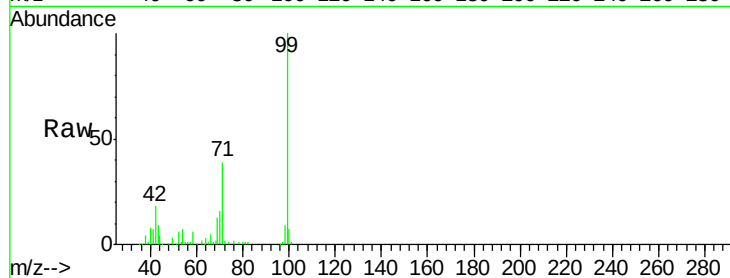
Tot Ion: 99 Resp: 117931

Ion Ratio Lower Upper

99 100

42 18.0 12.2 18.2

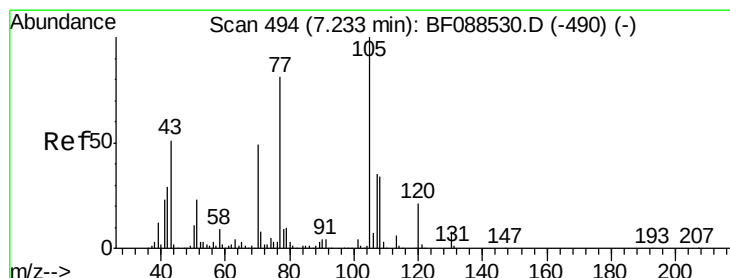
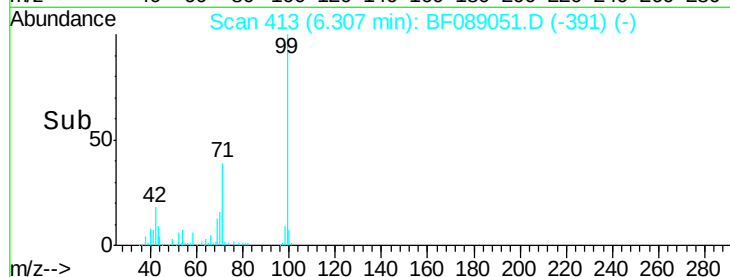
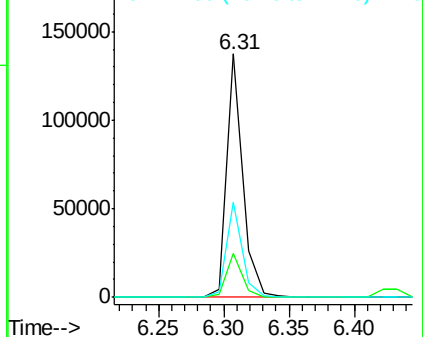
71 38.9 23.4 35.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.41 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.08 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Tgt Ion: 70 Resp: 8765

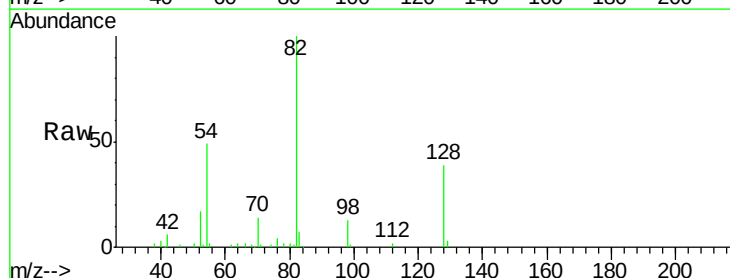
Ion Ratio Lower Upper

70 100

42 43.4 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#

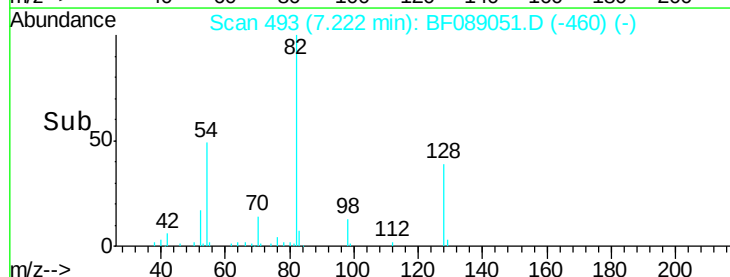
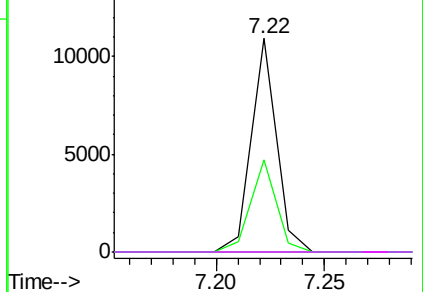


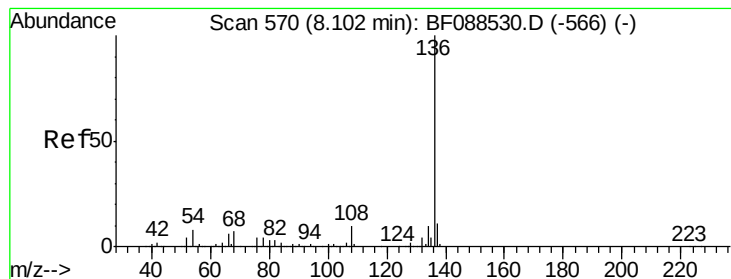
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 227684

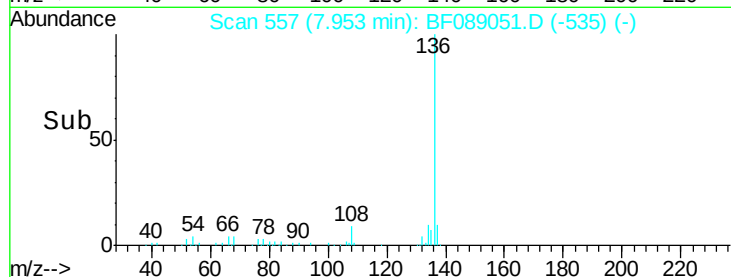
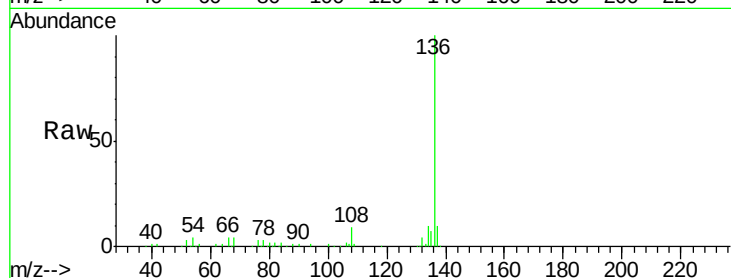
Ion Ratio Lower Upper

136 100

137 10.2 9.1 13.7

54 4.4 6.6 10.0#

68 3.6 5.1 7.7#

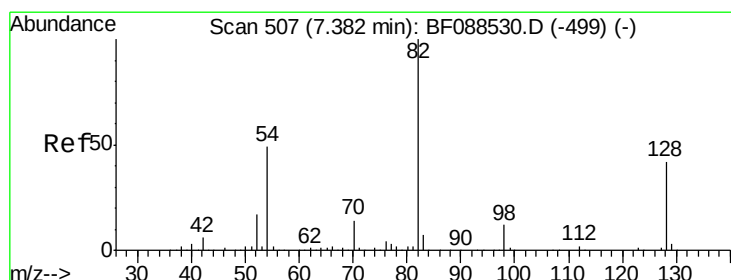
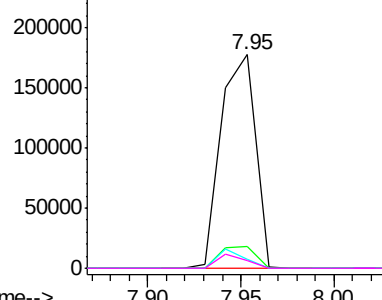


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.40 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.06 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

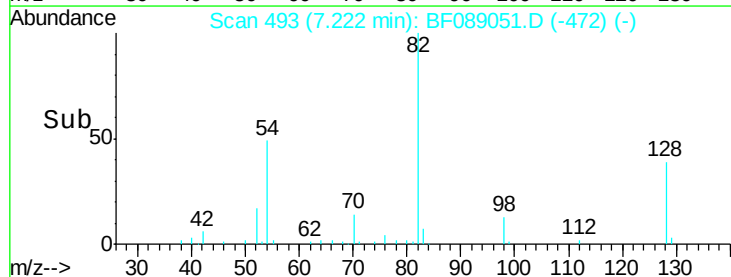
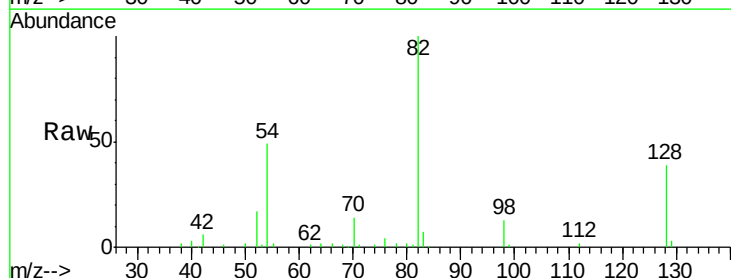
Tgt Ion: 82 Resp: 62584

Ion Ratio Lower Upper

82 100

128 38.8 35.9 53.9

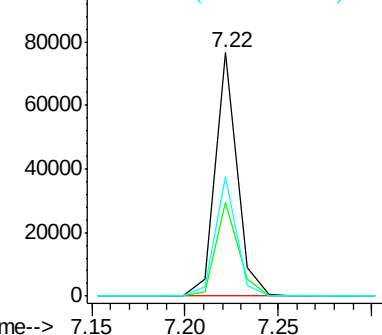
54 49.1 40.9 61.3

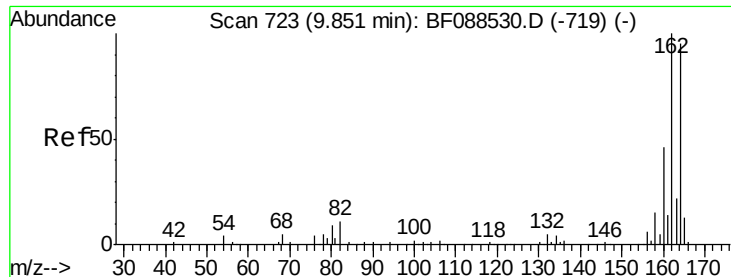


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.70 min Scan# 710

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

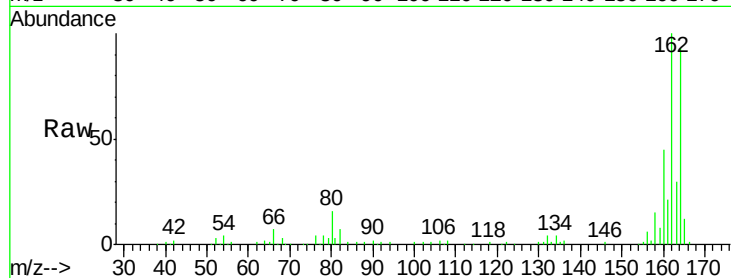
Tot Ion:164 Resp: 108062

Ion Ratio Lower Upper

164 100

162 107.5 85.4 128.2

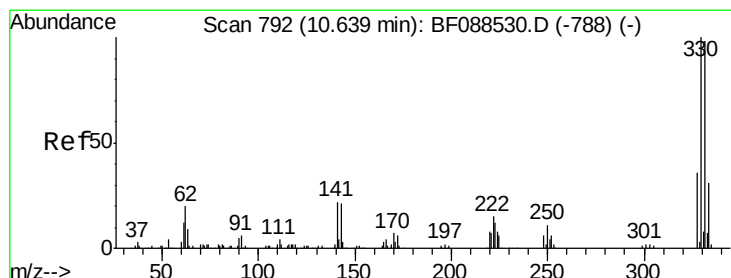
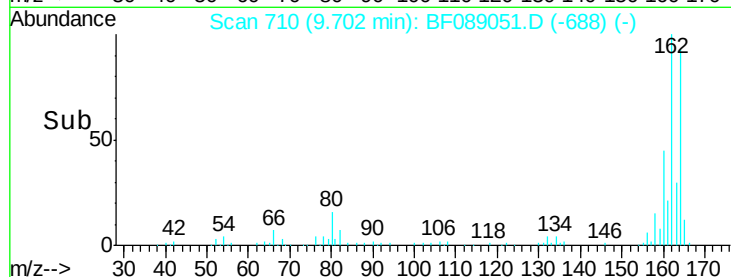
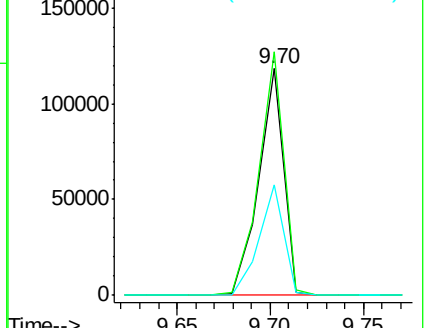
160 48.6 39.5 59.3



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: 13.60 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

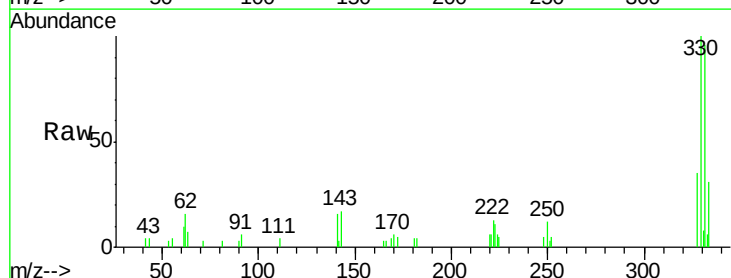
Tgt Ion:330 Resp: 13645

Ion Ratio Lower Upper

330 100

332 98.6 0.0 0.0#

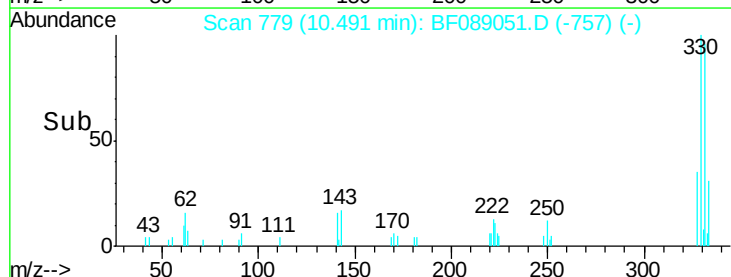
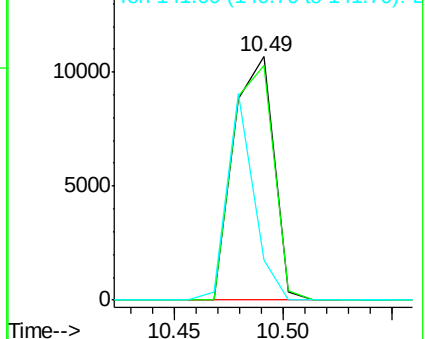
141 56.2 0.0 0.0#

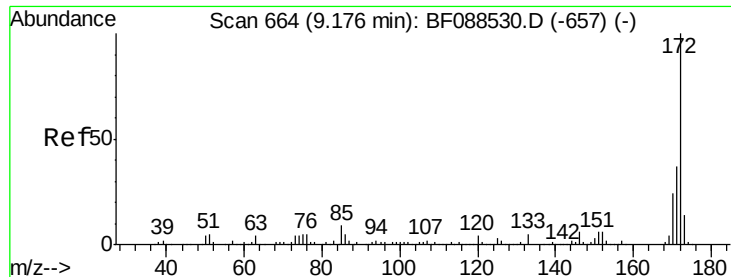


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

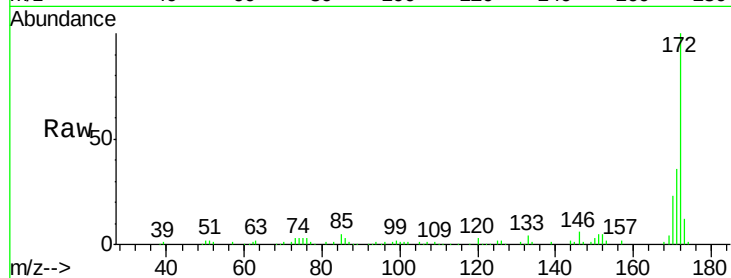




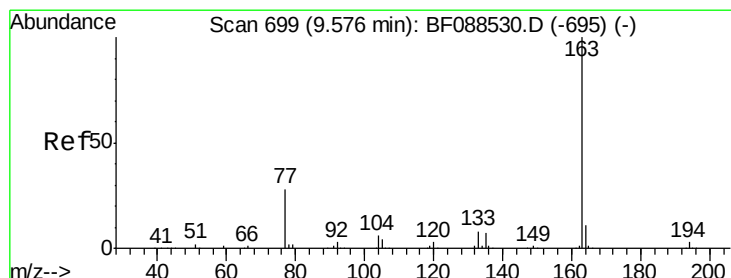
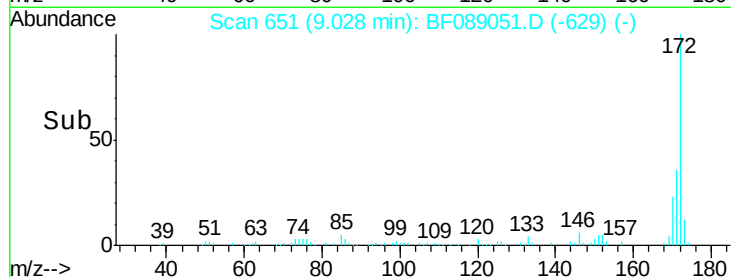
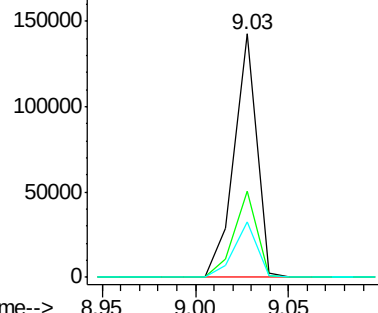
#44
2-Fluorobiphenyl
Concen: 17.51 ng
RT: 9.03 min Scan# 651
Delta R.T. -0.05 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 119784
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.0 19.2 28.8

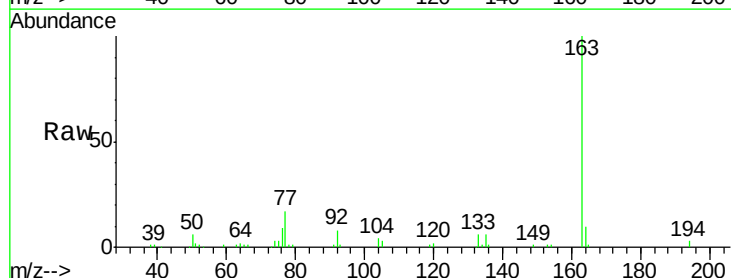


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

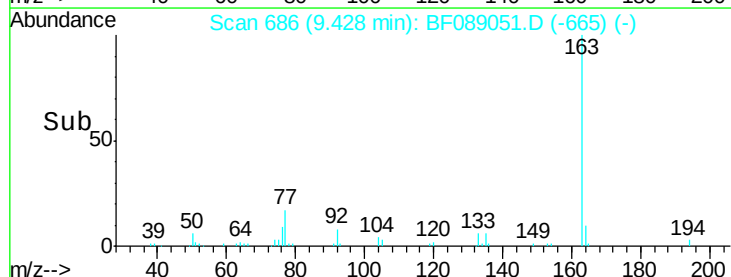
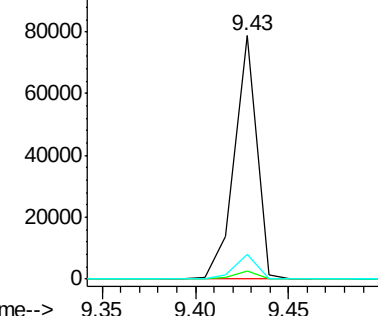


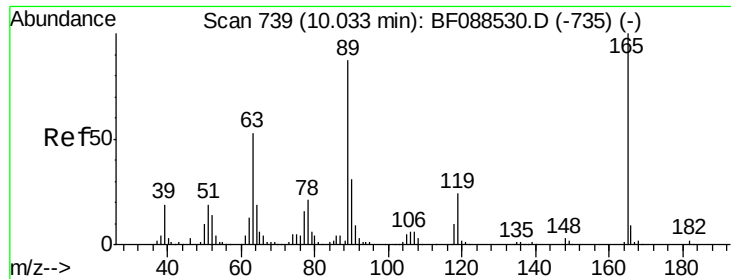
#49
Dimethylphthalate
Concen: 8.40 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Tgt Ion:163 Resp: 64672
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 9.9 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

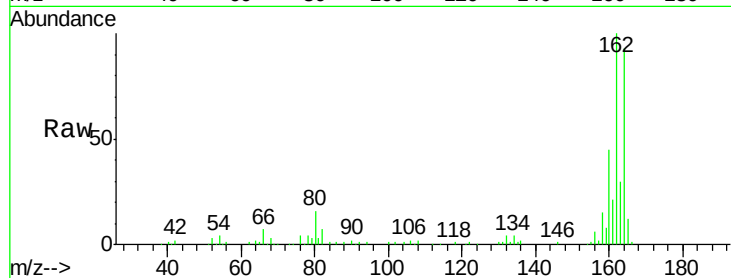




#56
 2,4-Dinitrotoluene
 Concen: 6.07 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.24 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	13542
Ion	Ratio	Lower Upper
165	100	
63	0.0	22.0 33.0#
89	0.0	41.1 61.7#
182	0.0	2.0 3.0#

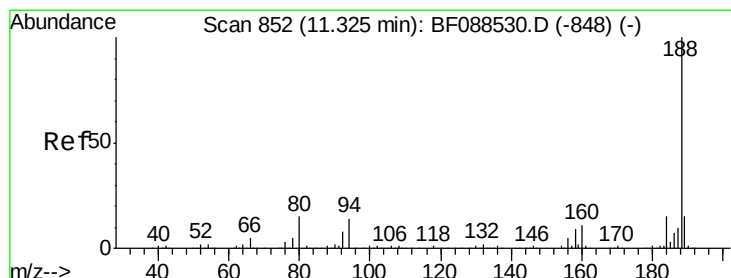
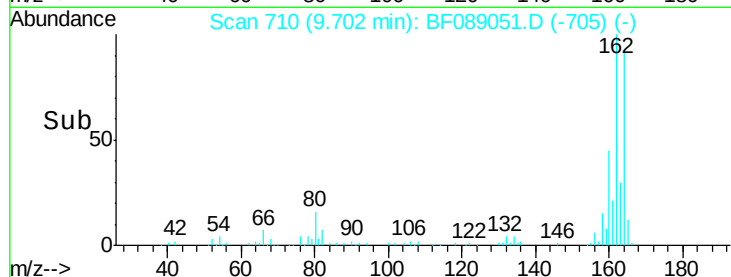
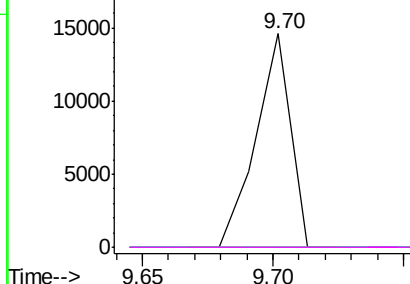


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

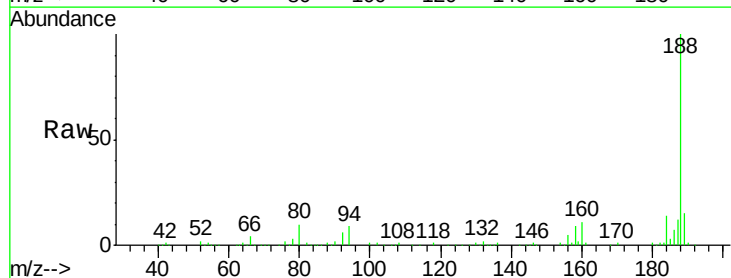
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.05 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

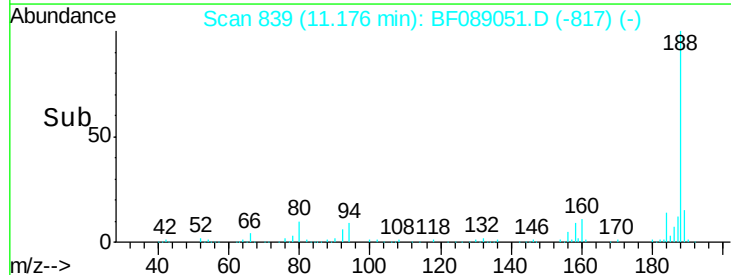
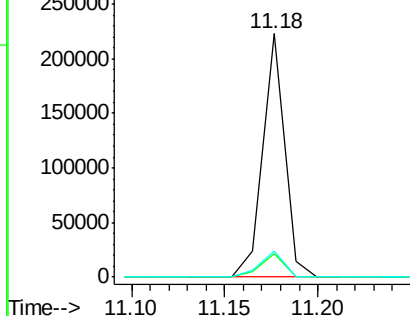
Tgt Ion:188	Resp:	179388
Ion	Ratio	Lower Upper
188	100	
94	9.4	9.0 13.6
80	10.5	10.0 15.0

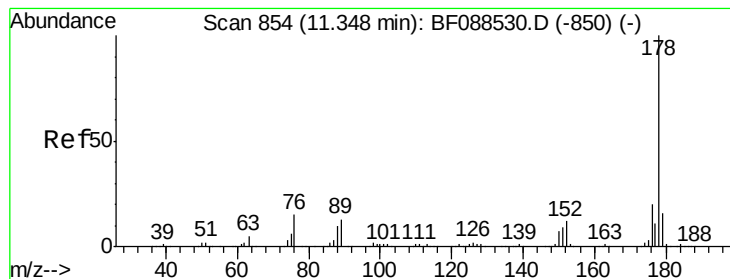


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.71 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

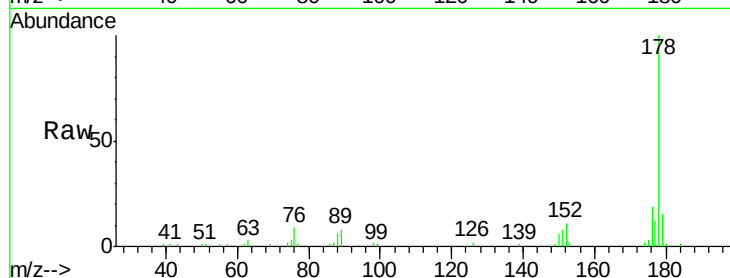
Tot Ion:178 Resp: 26617

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

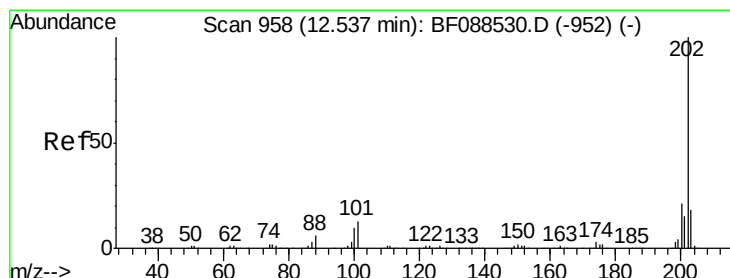
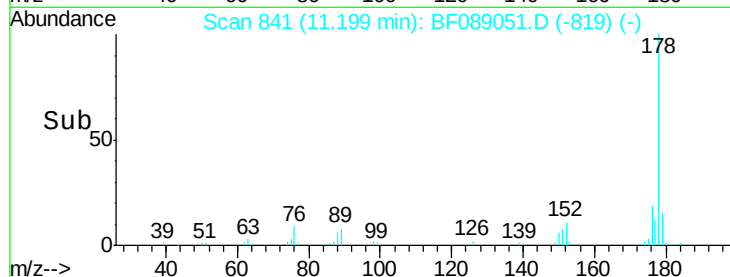
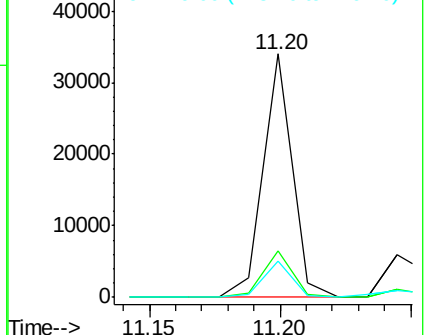
179 14.9 13.0 19.4



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: 3.94 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

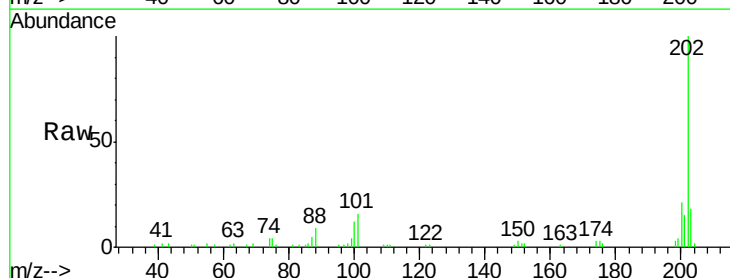
Tgt Ion:202 Resp: 39134

Ion Ratio Lower Upper

202 100

101 15.7 0.0 33.1

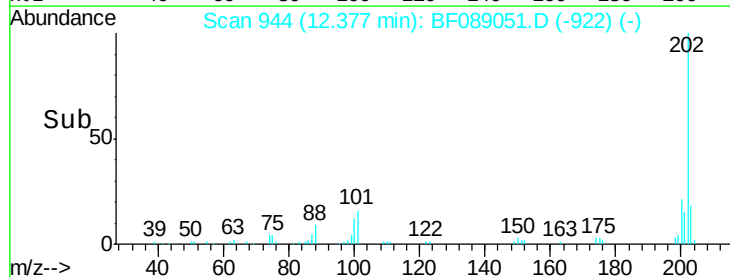
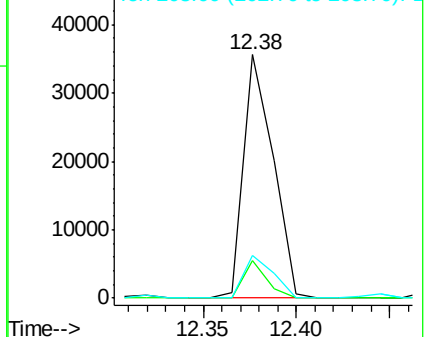
203 17.7 0.0 38.1

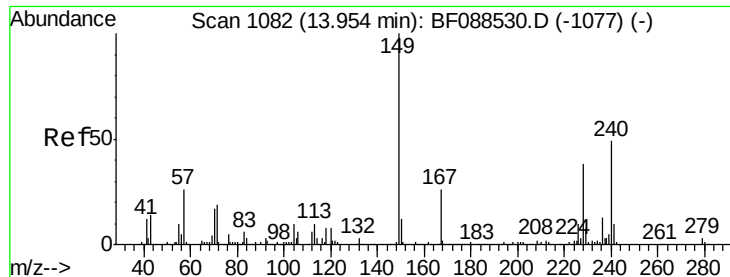


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

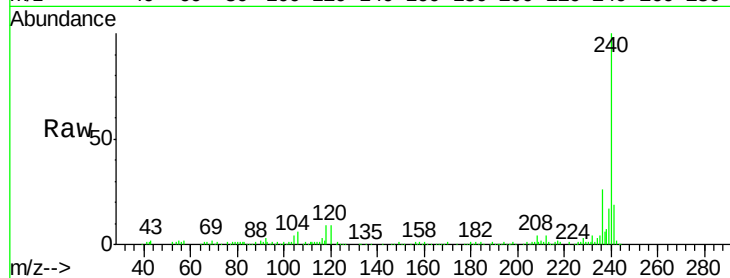
Tot Ion:240 Resp: 110421

Ion Ratio Lower Upper

240 100

120 8.6 6.8 10.2

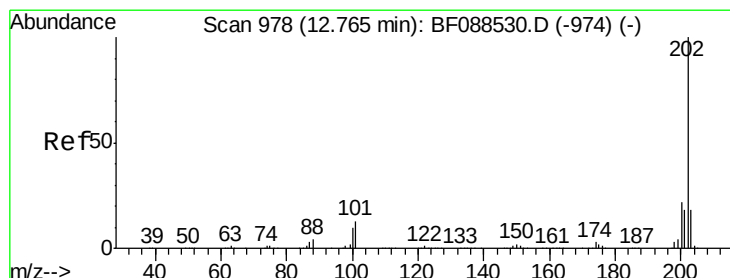
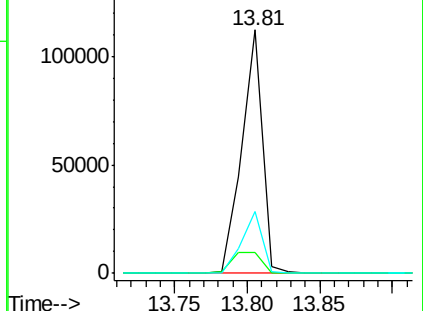
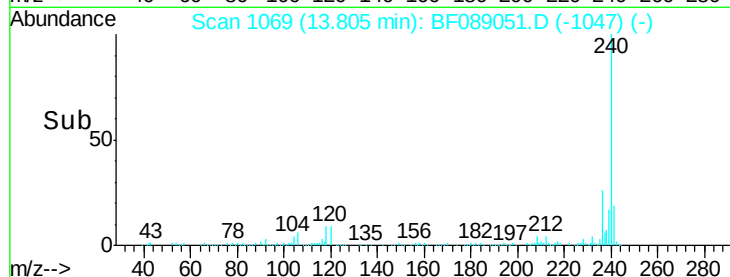
236 25.6 20.2 30.2



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: 4.34 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.05 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

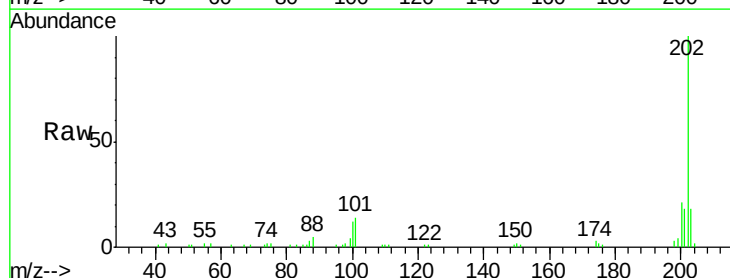
Tgt Ion:202 Resp: 40664

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

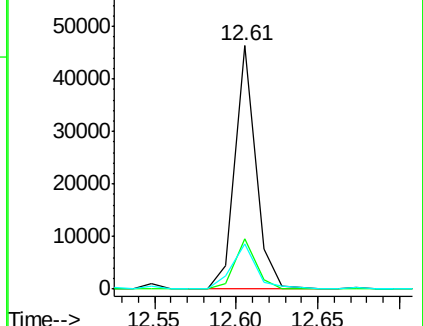
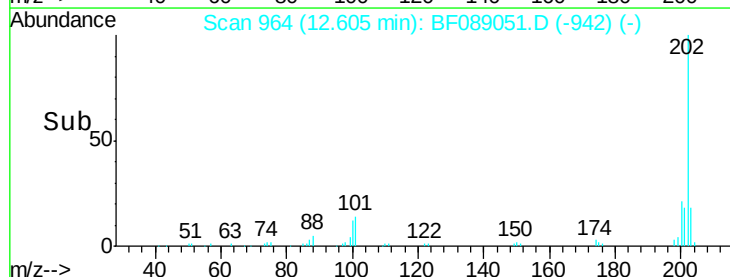
203 18.5 14.5 21.7

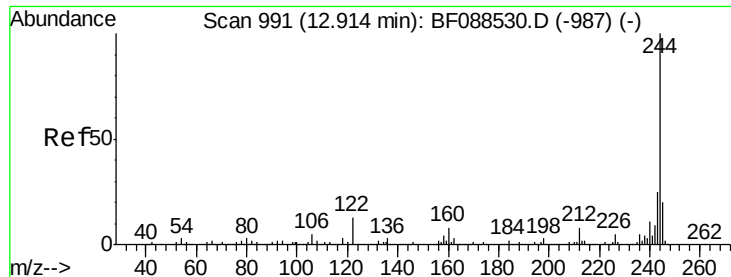


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

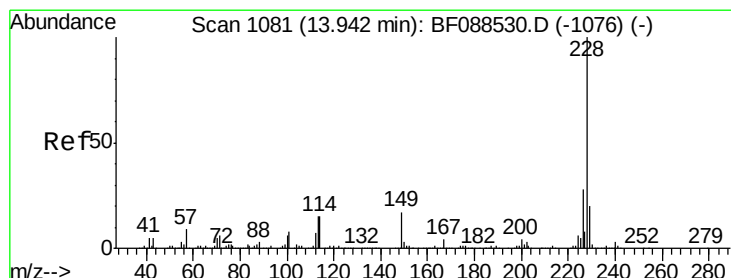
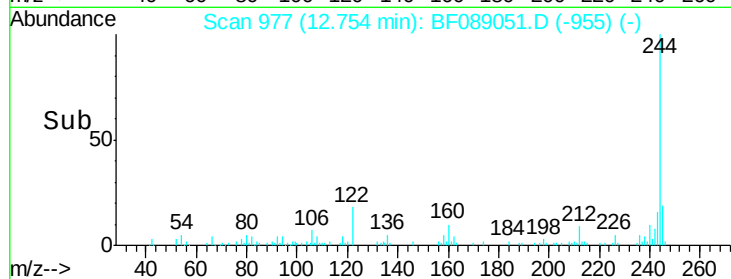
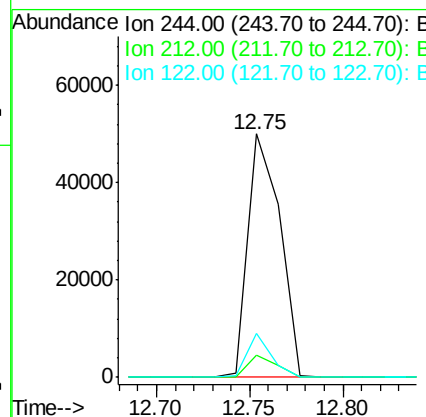
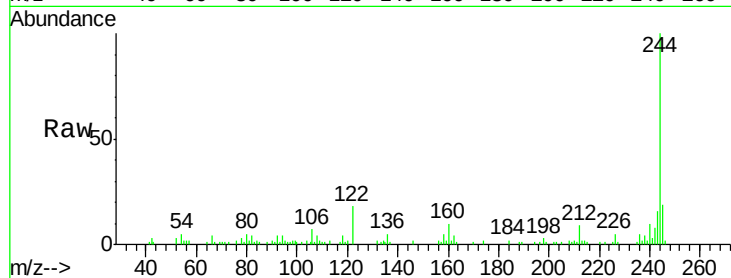




#78
 Terphenyl-d14
 Concen: 12.02 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.05 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

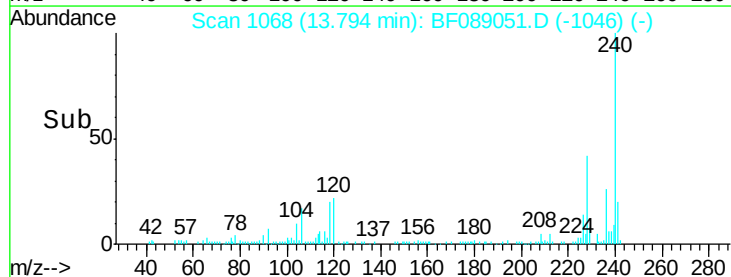
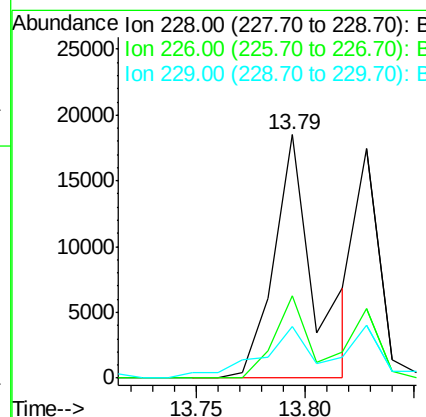
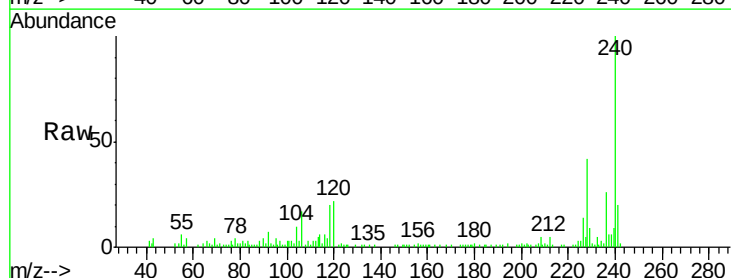
Instrument :
 BNA_F
 ClientSampleId :

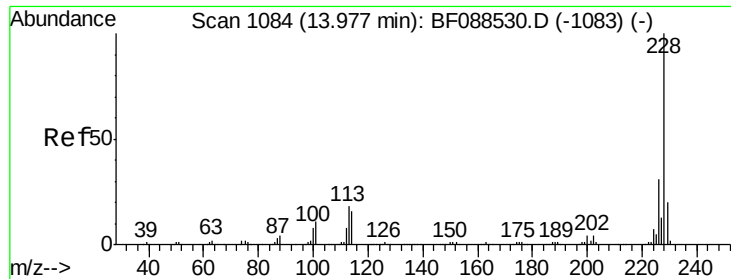
Tot Ion:244 Resp: 59583
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.0 9.0
 122 18.3 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 3.41 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. -0.05 min
 Lab File: BF089051.D
 Acq: 16 Jul 2016 13:07

Tgt Ion:228 Resp: 24244
 Ion Ratio Lower Upper
 228 100
 226 33.6 22.3 33.5#
 229 21.2 16.0 24.0

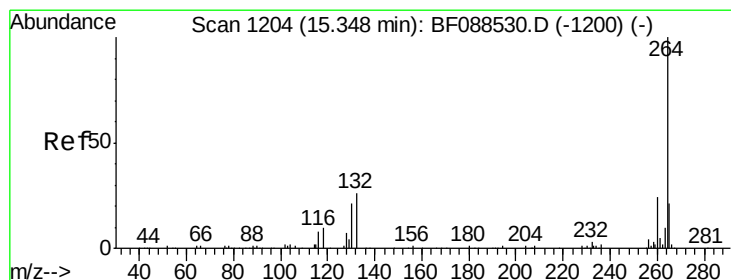
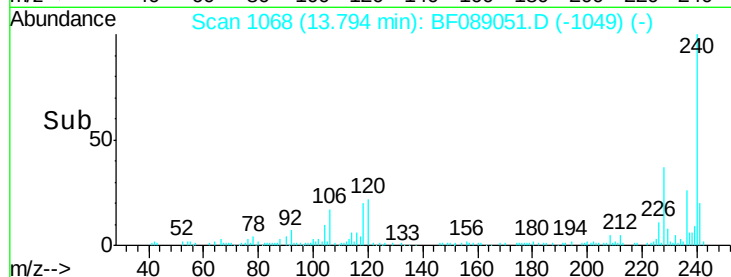
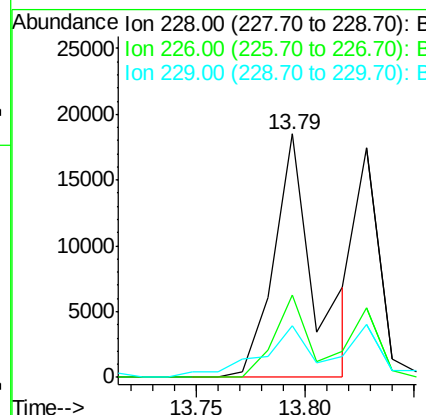
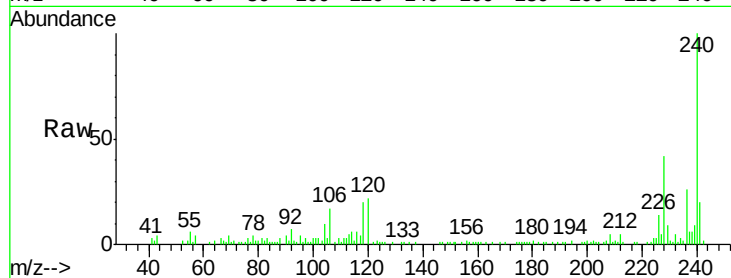




#82
Chrysene
Concen: 3.45 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.08 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

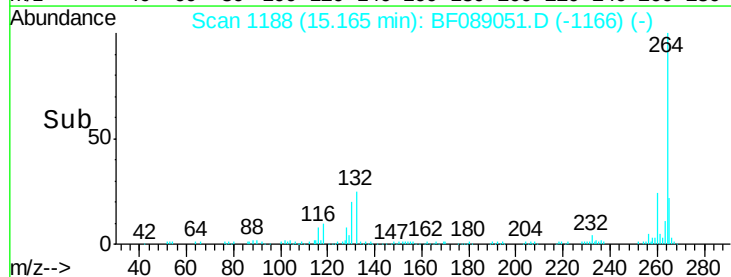
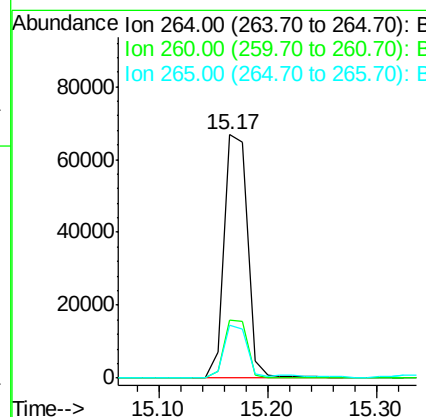
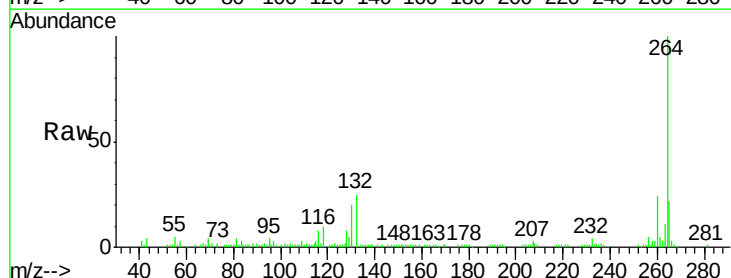
Instrument :
BNA_F
ClientSampled :

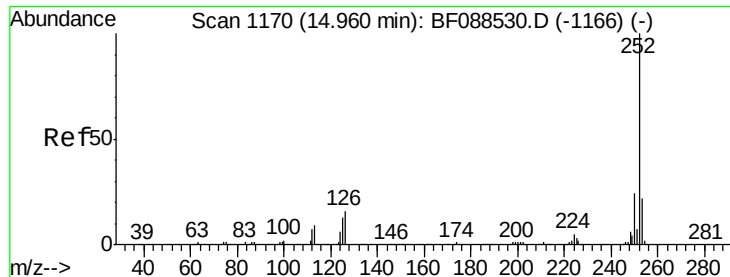
Tot Ion:228 Resp: 24244
Ion Ratio Lower Upper
228 100
226 33.6 25.4 38.2
229 21.2 16.3 24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.05 min
Lab File: BF089051.D
Acq: 16 Jul 2016 13:07

Tgt Ion:264 Resp: 100130
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.9 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 4.71 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

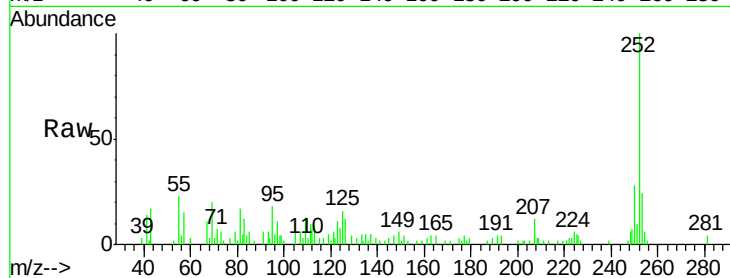
Tot Ion:252 Resp: 29558

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

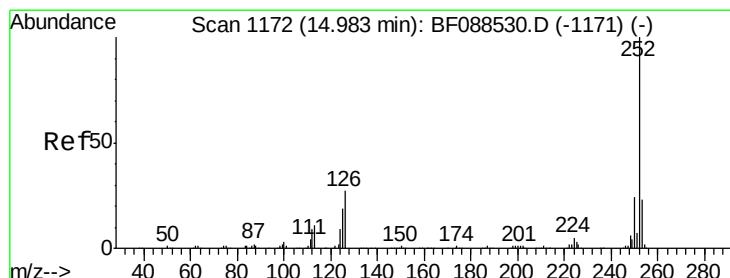
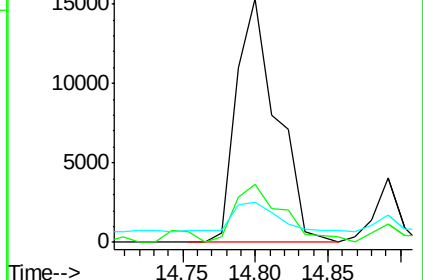
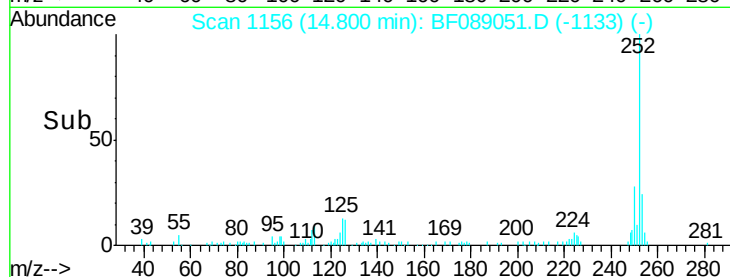
125 16.5 7.1 10.7#



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: 5.41 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

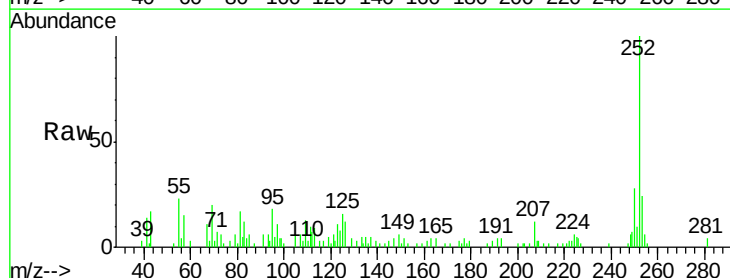
Tgt Ion:252 Resp: 29558

Ion Ratio Lower Upper

252 100

253 24.0 18.0 27.0

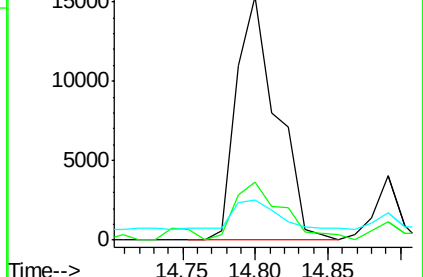
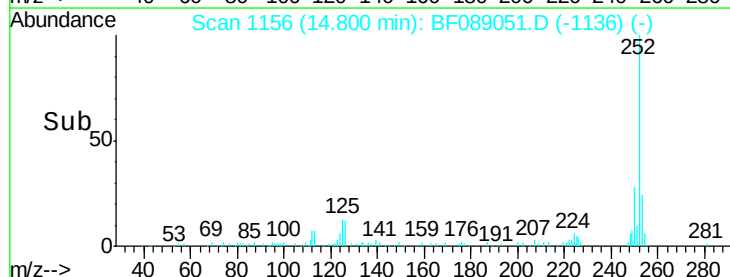
125 16.5 11.2 16.8

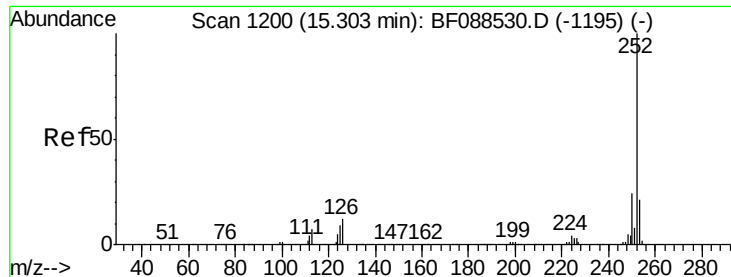


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.30 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

Instrument :

BNA_F

ClientSampleId :

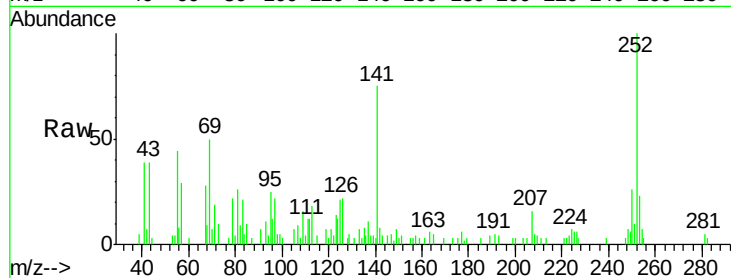
Tot Ion:252 Resp: 17562

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

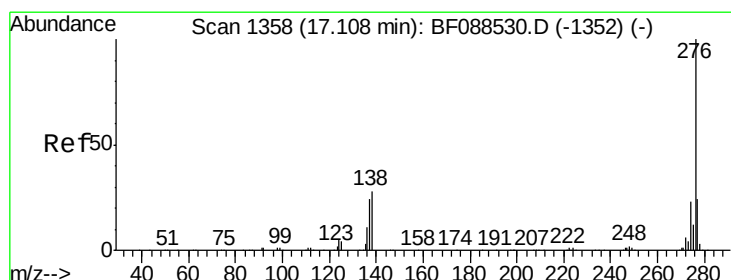
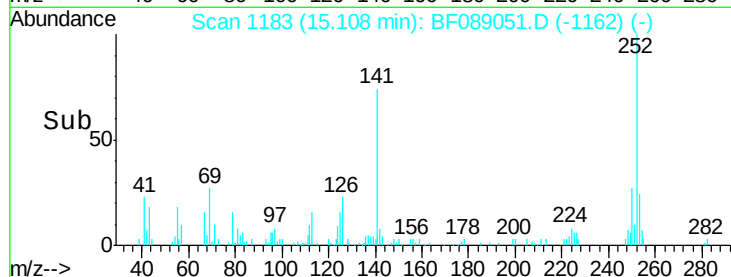
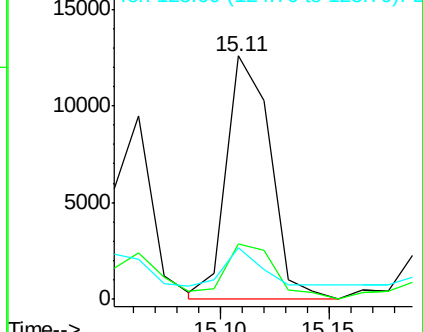
125 21.5 12.5 18.7#



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: 2.02 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.07 min

Lab File: BF089051.D

Acq: 16 Jul 2016 13:07

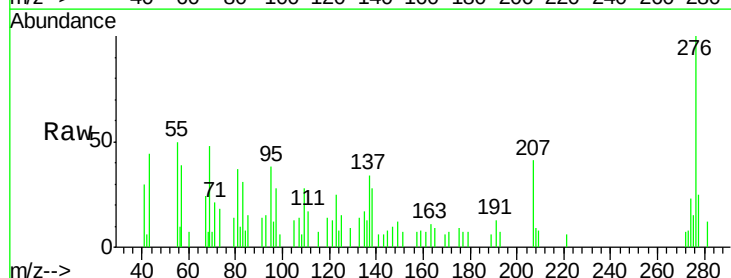
Tgt Ion:276 Resp: 9271

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 27.8 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

