

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092716\
 Data File : BF090272.D
 Acq On : 28 Sep 2016 00:32
 Operator : UM/SJ
 Sample : H4949-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-6-1-LOC-6(0-5)

Quant Time: Sep 28 00:58:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

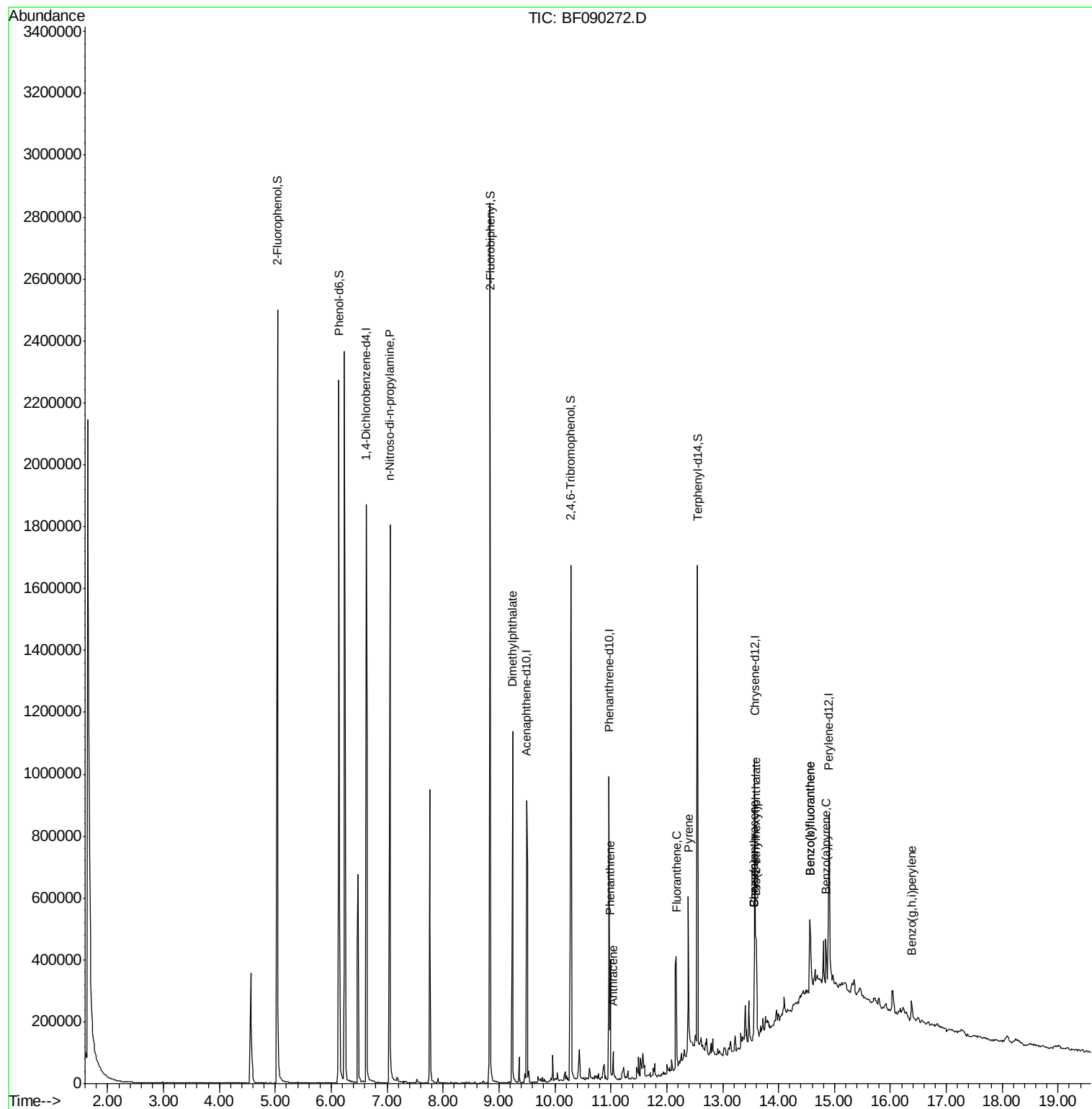
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	380885	20.00	ng	0.15
21) Naphthalene-d8	0.00	136	0	0.00	ng	-7.77
38) Acenaphthene-d10	9.50	164	278748	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	390656	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	285581	20.00	ng	-0.02
86) Perylene-d12	14.90	264	227463	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	932853	39.92	ng	0.01
7) Phenol-d6	6.14	99	1140401	39.52	ng	0.00
23) Nitrobenzene-d5	7.05	82	728356	0.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	207497	86.77	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	1099800	77.46	ng	-0.01
78) Terphenyl-d14	12.55	244	506310	45.01	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.05	70	90843	5.36	ng	# 79
49) Dimethylphthalate	9.24	163	532228	29.98	ng	100
70) Phenanthrene	10.99	178	148801	8.14	ng	97
71) Anthracene	11.04	178	42116	2.20	ng	98
74) Fluoranthene	12.17	202	217783	11.11	ng	91
77) Pyrene	12.39	202	187329	9.59	ng	98
80) Benzo(a)anthracene	13.57	228	108067	7.03	ng	94
82) Chrysene	13.57	228	108067	7.22	ng	98
83) Bis(2-ethylhexyl)phthalate	13.60	149	27278	2.23	ng	98
87) Benzo(b)fluoranthene	14.56	252	153220	12.16	ng	97
88) Benzo(k)fluoranthene	14.56	252	153220	12.96	ng	# 92
89) Benzo(a)pyrene	14.85	252	71635	6.05	ng	# 88
91) Benzo(g,h,i)perylene	16.38	276	44359	4.90	ng	98

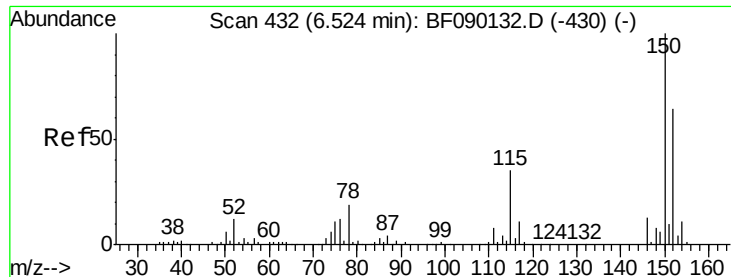
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.15 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

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S-6-1-LOC-6(0-5)

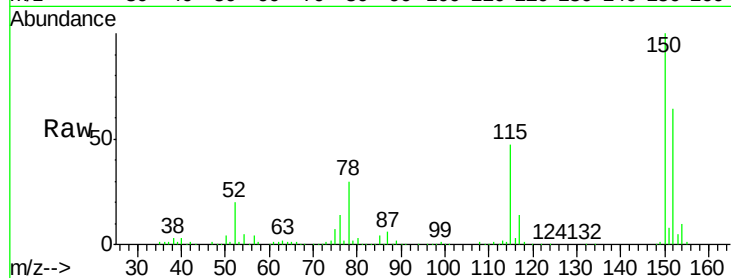
Tgt Ion:152 Resp: 380885

Ion Ratio Lower Upper

152 100

150 156.4 128.9 193.3

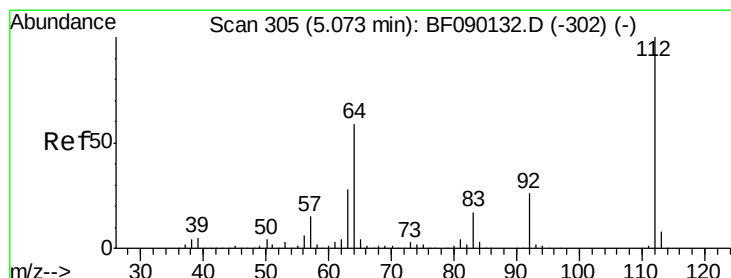
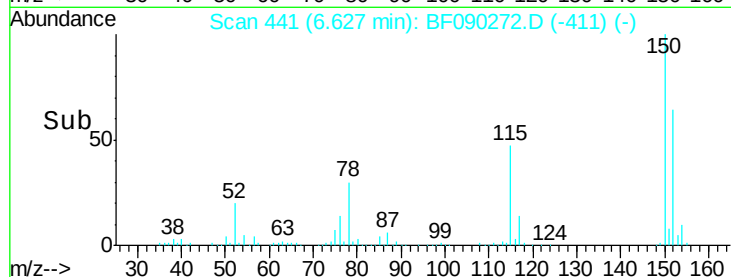
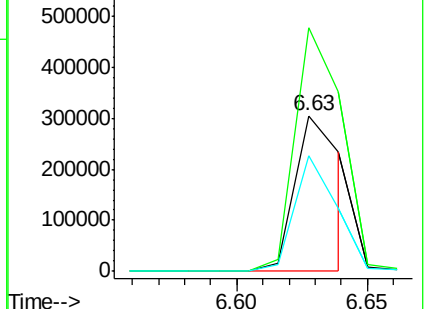
115 74.0 55.5 83.3



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: 39.92 ng

RT: 5.04 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

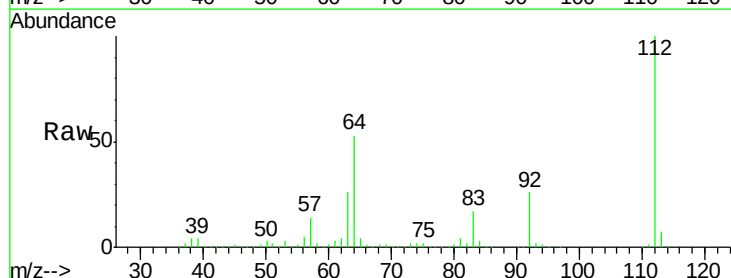
Tgt Ion:112 Resp: 932853

Ion Ratio Lower Upper

112 100

64 53.4 39.8 59.6

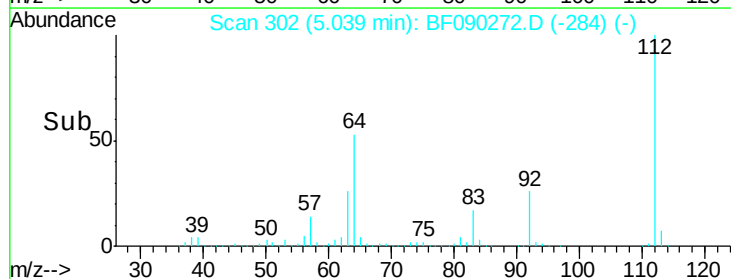
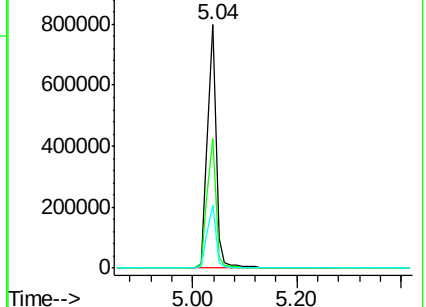
63 26.1 18.9 28.3

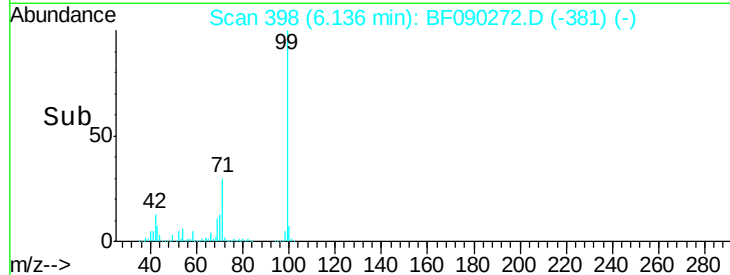
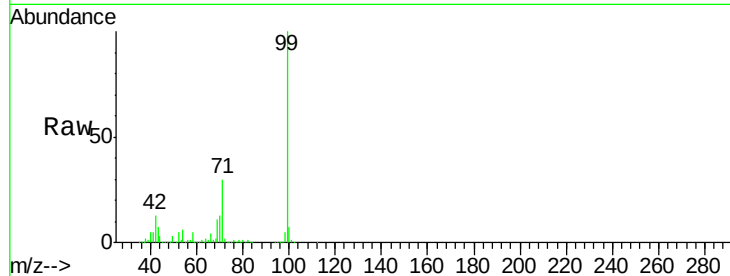
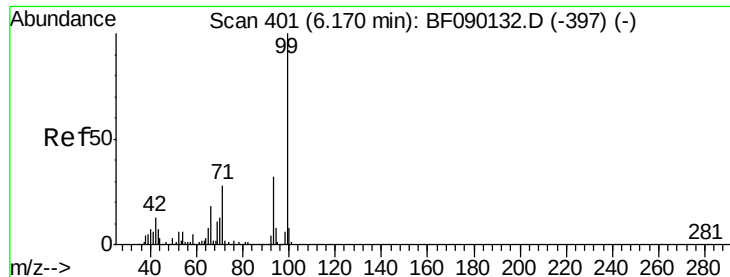


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.52 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

ClientSampleId :

S-6-1-LOC-6(0-5)

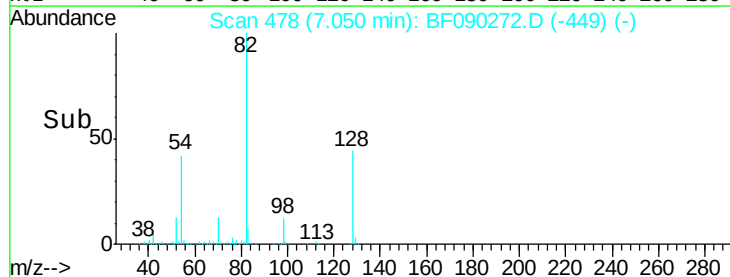
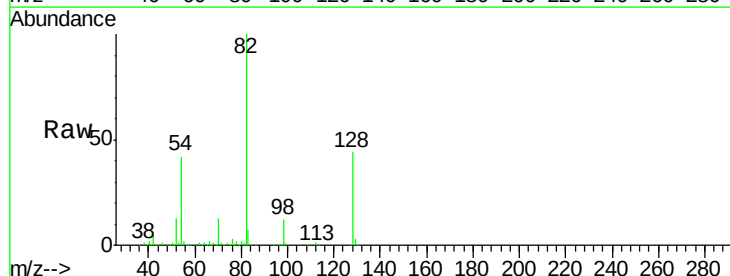
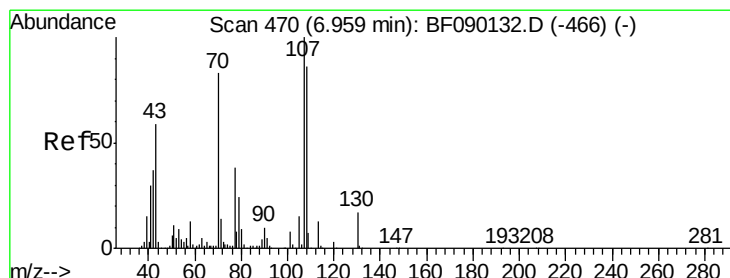
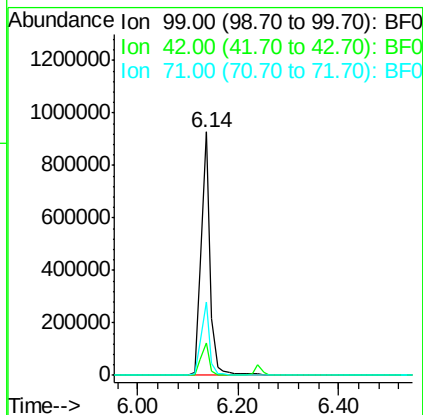
Tgt Ion: 99 Resp: 1140401

Ion Ratio Lower Upper

99 100

42 13.2 10.6 15.8

71 29.9 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.36 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.14 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Tgt Ion: 70 Resp: 90843

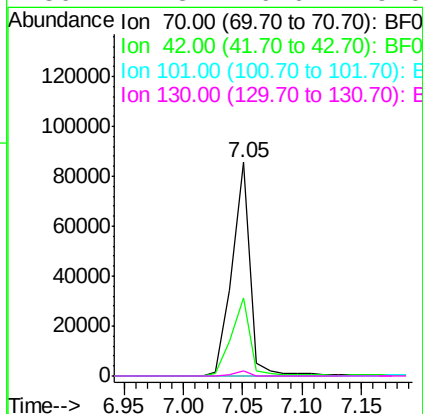
Ion Ratio Lower Upper

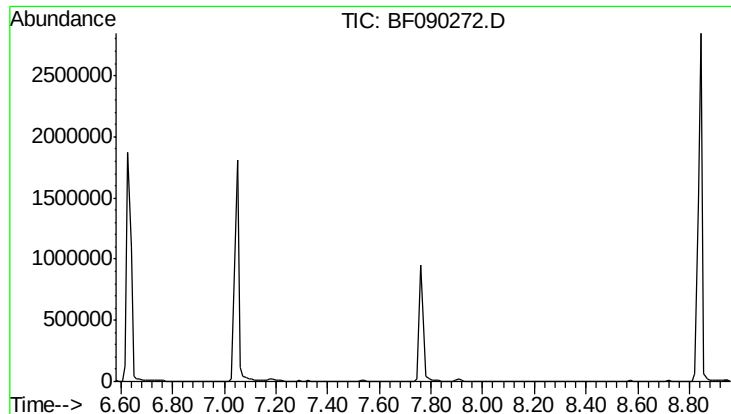
70 100

42 36.9 35.1 52.7

101 0.0 7.5 11.3#

130 2.3 16.6 25.0#

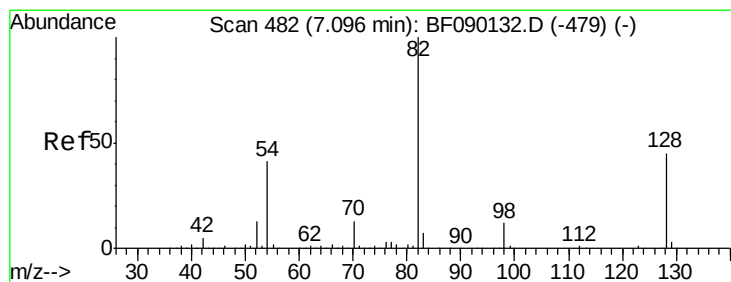
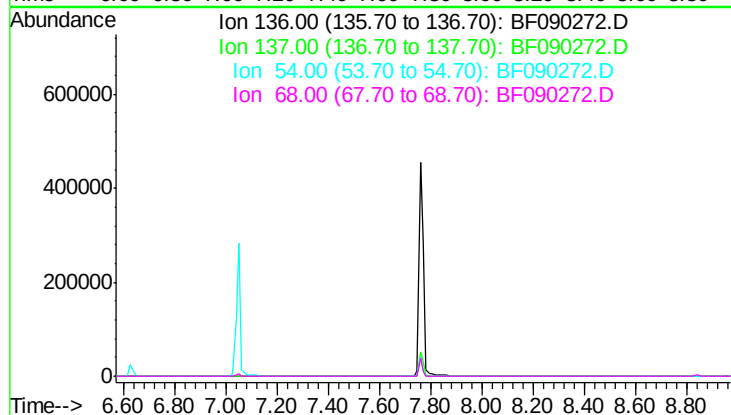




#21
Naphthalene-d8
Concen: 0.00 ng
Expected RT: 7.77 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

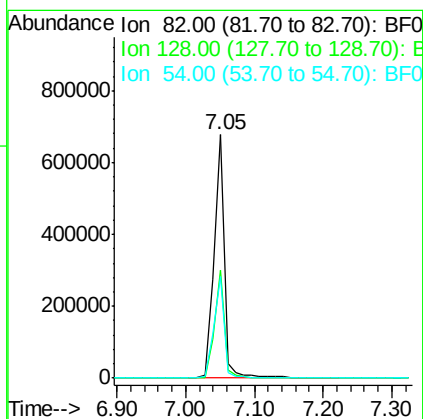
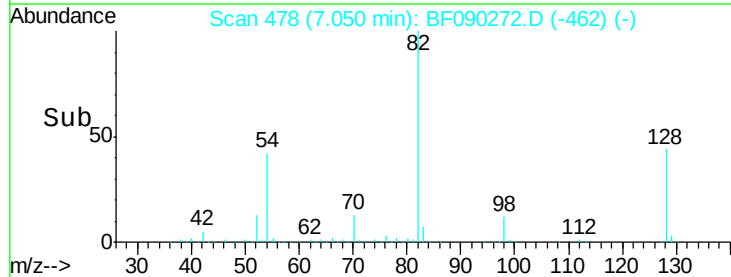
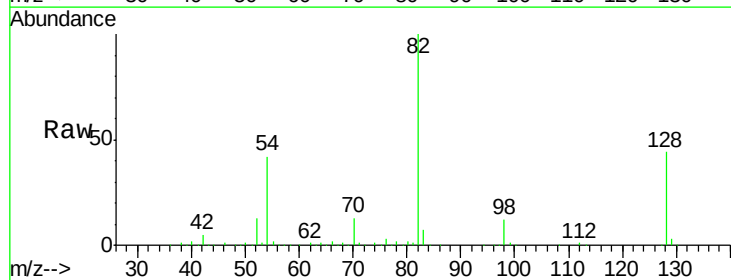
Instrument :
BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

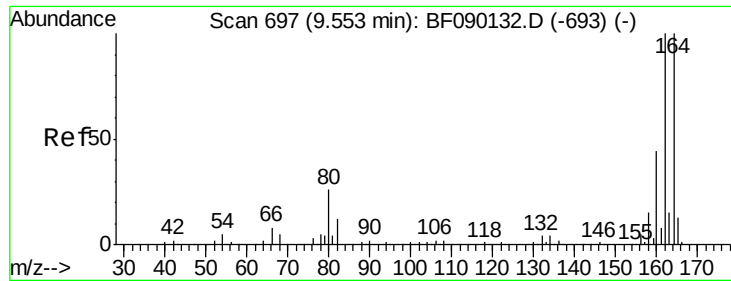
Tgt Ion: 136
Sig Exp Ratio
136 100
137 11.2
54 8.0
68 7.9



#23
Nitrobenzene-d5
Concen: 0.00 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion: 82 Resp: 728356
Ion Ratio Lower Upper
82 100
128 44.1 37.5 56.3
54 41.7 31.9 47.9

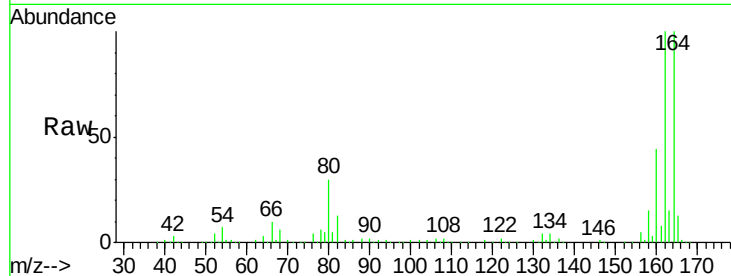




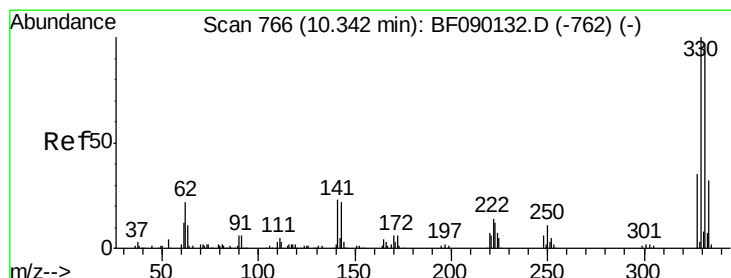
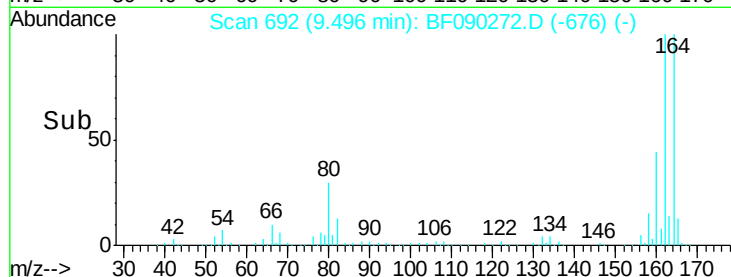
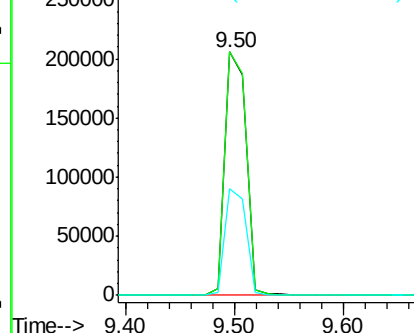
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

Instrument :
 BNA_F
 ClientSampleId :
 S-6-1-LOC-6(0-5)

Tgt Ion:164 Resp: 278748
 Ion Ratio Lower Upper
 164 100
 162 99.8 81.4 122.2
 160 43.7 36.6 54.8

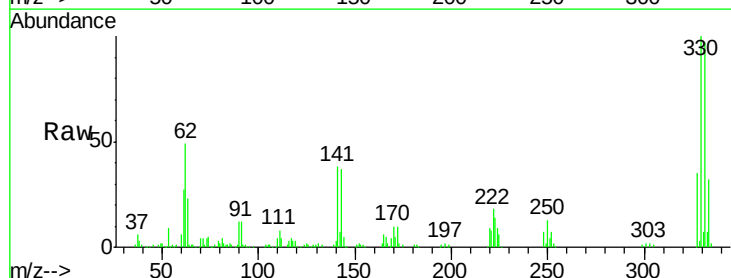


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

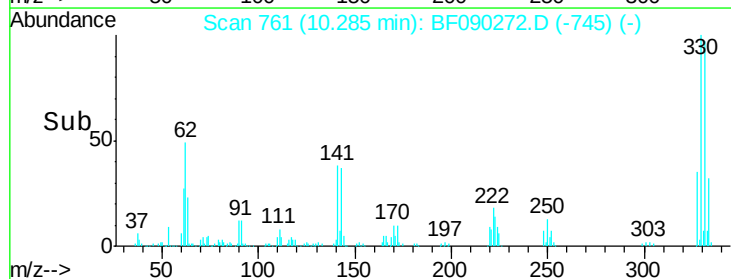
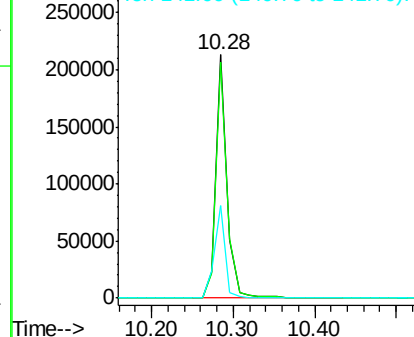


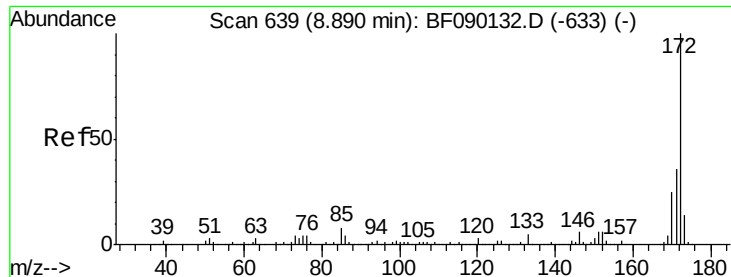
#41
 2,4,6-Tribromophenol
 Concen: 86.77 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

Tgt Ion:330 Resp: 207497
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.1 117.1
 141 38.0 23.9 35.9#



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

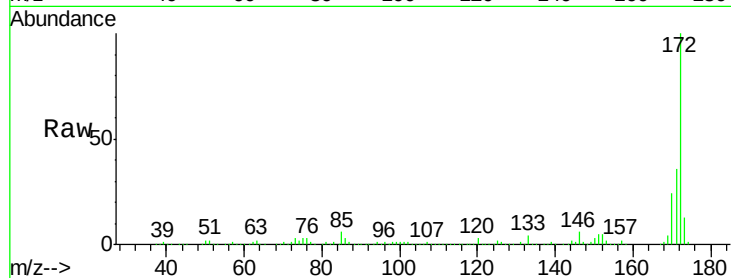




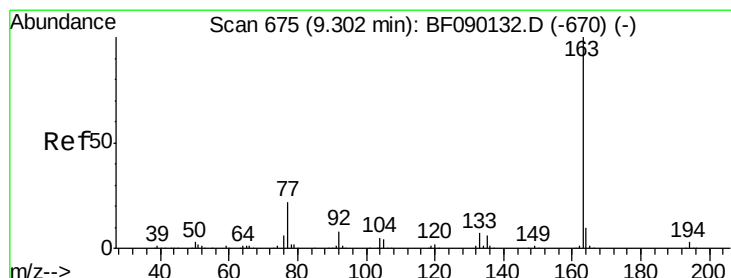
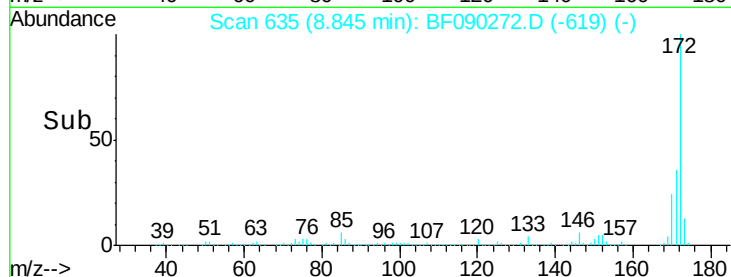
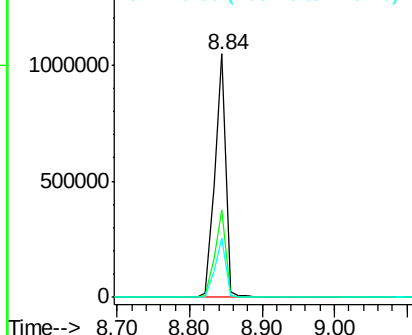
#44
 2-Fluorobiphenyl
 Concen: 77.46 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

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Tgt Ion:172 Resp: 1099800
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.2 43.8
 170 24.2 19.8 29.8

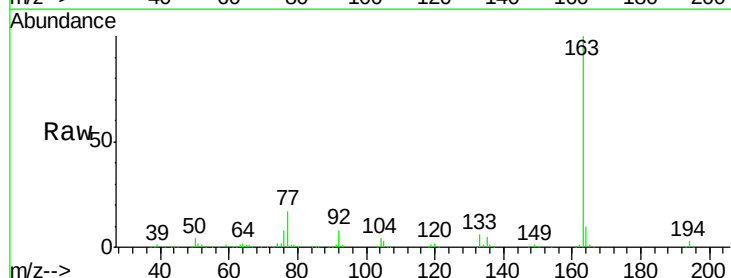


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

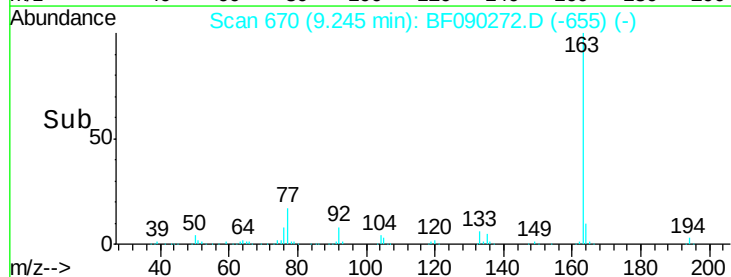
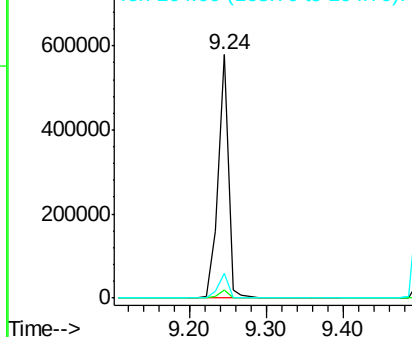


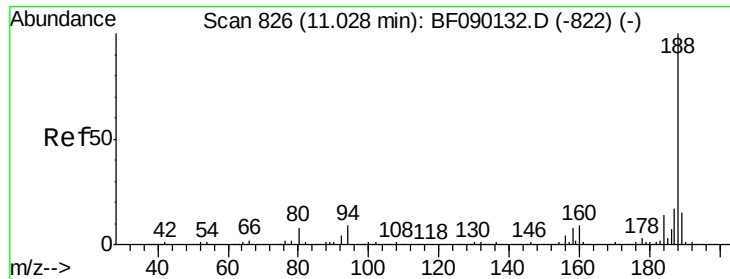
#49
 Dimethylphthalate
 Concen: 29.98 ng
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

Tgt Ion:163 Resp: 532228
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.8 4.2
 164 10.1 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

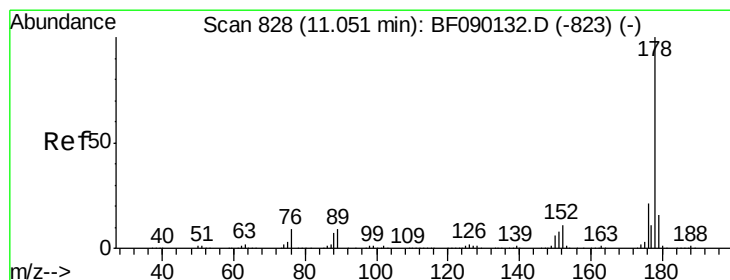
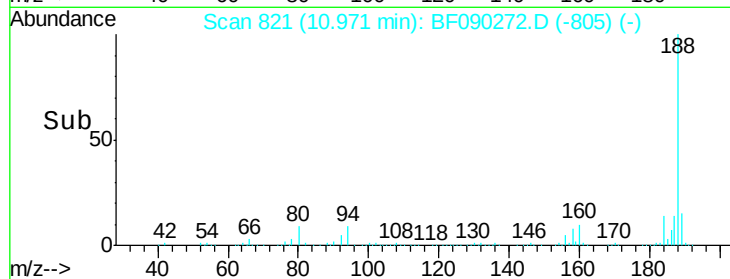
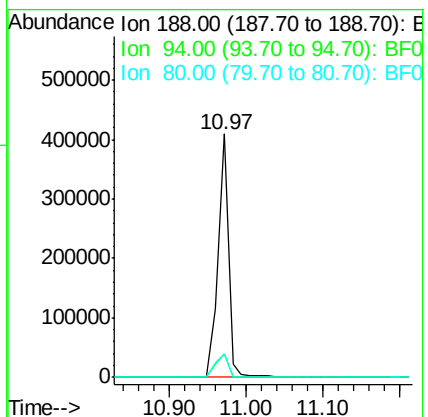
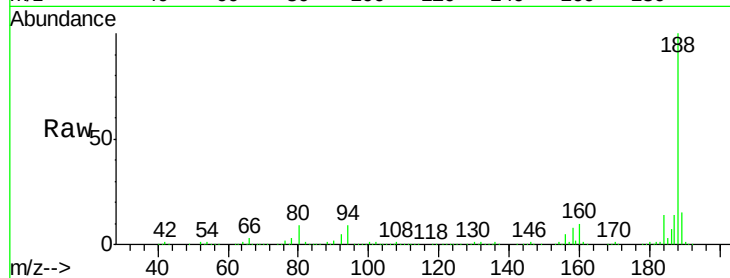




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

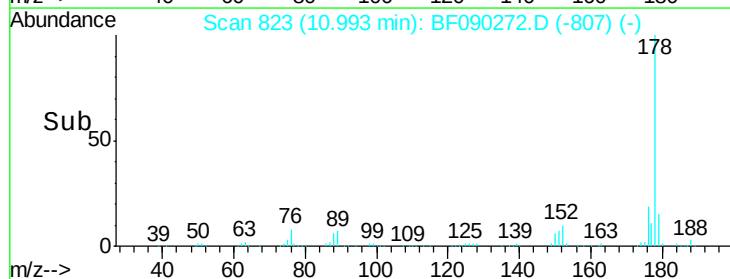
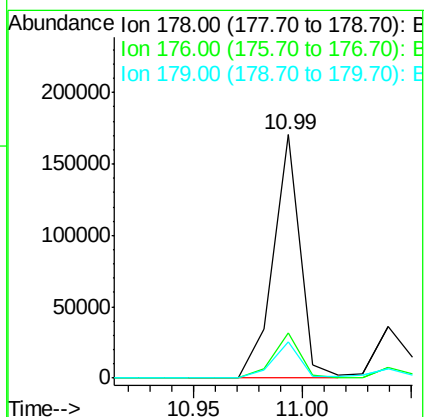
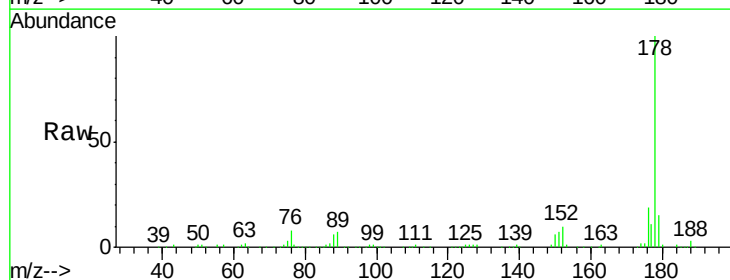
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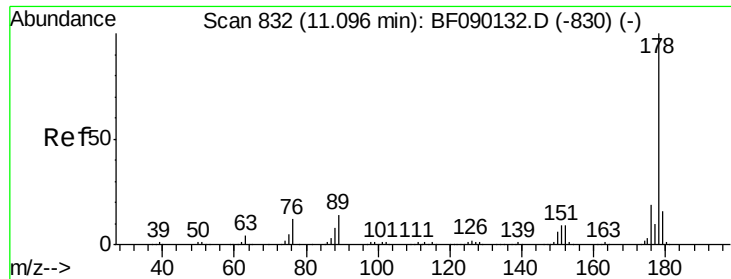
Tgt Ion:188 Resp: 390656
 Ion Ratio Lower Upper
 188 100
 94 9.5 10.5 15.7#
 80 9.5 11.2 16.8#



#70
 Phenanthrene
 Concen: 8.14 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

Tgt Ion:178 Resp: 148801
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.9 23.9
 179 14.7 12.9 19.3

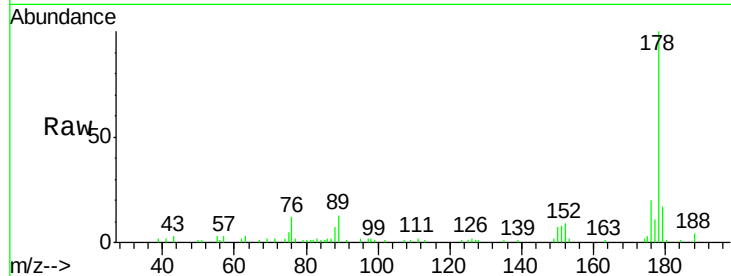




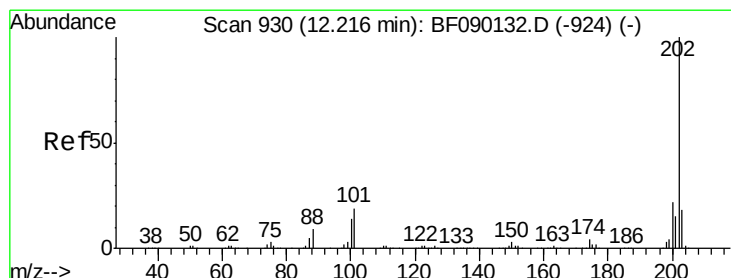
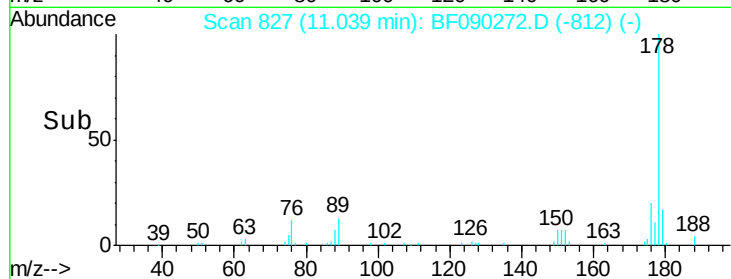
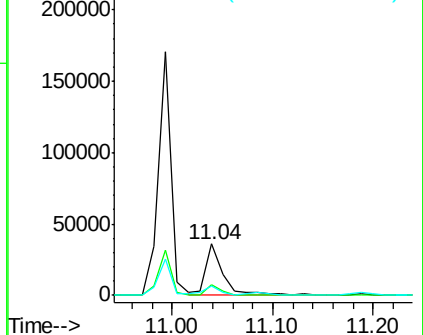
#71
 Anthracene
 Concen: 2.20 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

Instrument :
 BNA_F
 ClientSampleId :
 S-6-1-LOC-6(0-5)

Tgt Ion:178 Resp: 42116
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.8 23.6
 179 17.2 12.6 19.0

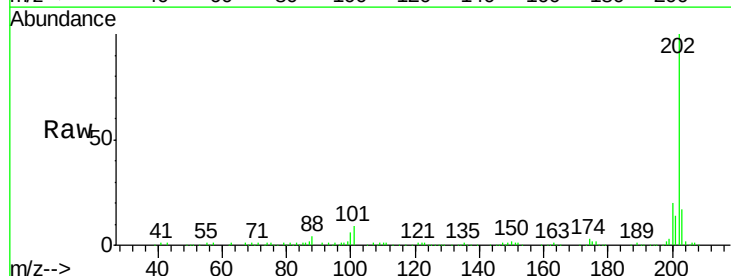


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

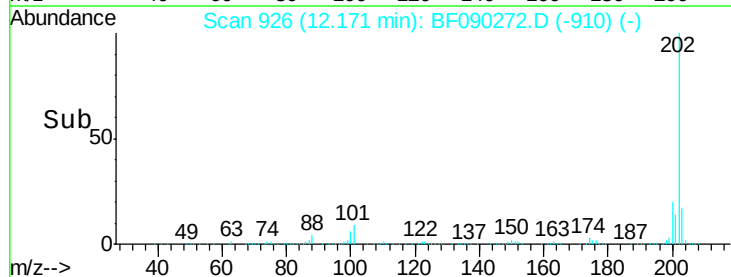
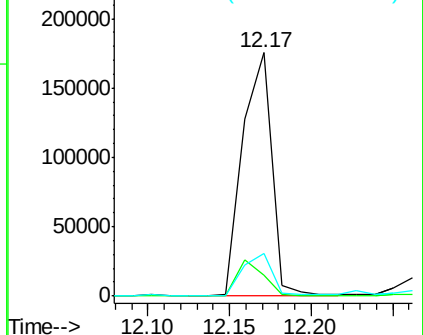


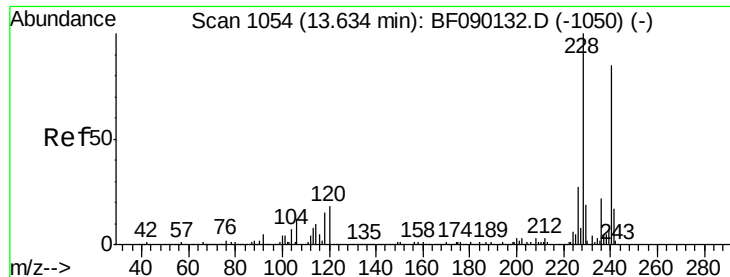
#74
 Fluoranthene
 Concen: 11.11 ng
 RT: 12.17 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF090272.D
 Acq: 28 Sep 2016 00:32

Tgt Ion:202 Resp: 217783
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 36.1
 203 17.3 0.0 38.2



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: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

ClientSampleId :

S-6-1-LOC-6(0-5)

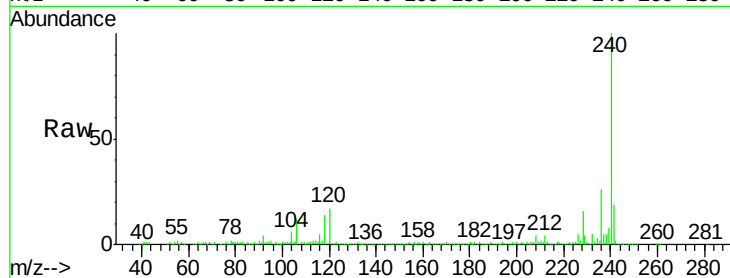
Tgt Ion:240 Resp: 285581

Ion Ratio Lower Upper

240 100

120 16.8 10.6 16.0#

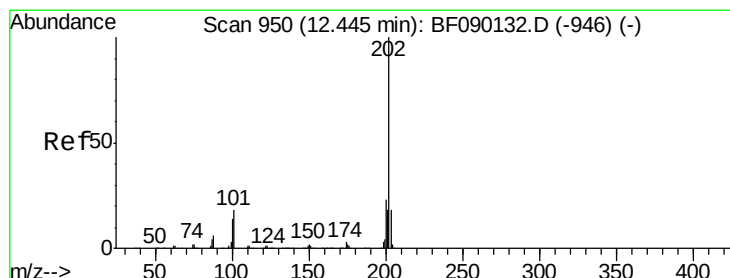
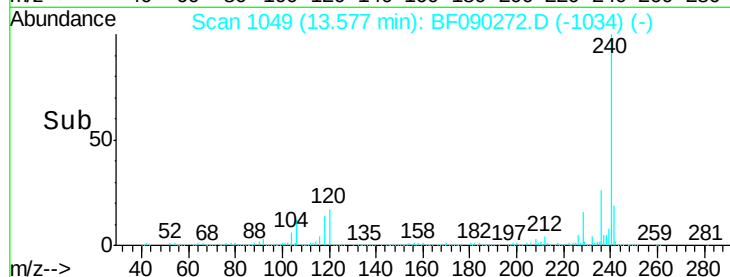
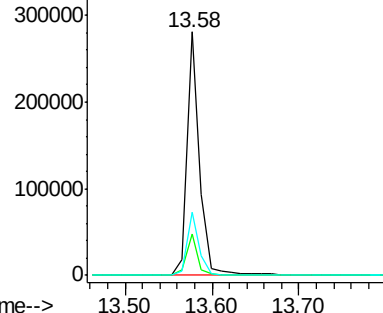
236 25.8 21.6 32.4



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: 9.59 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

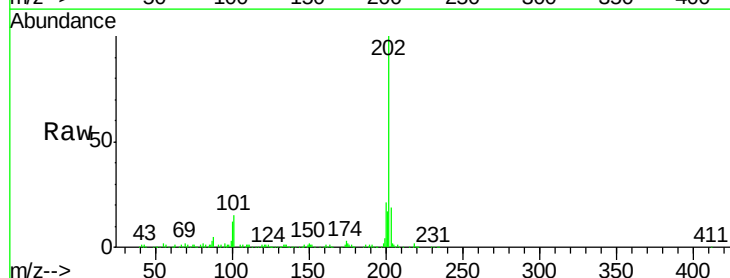
Tgt Ion:202 Resp: 187329

Ion Ratio Lower Upper

202 100

200 21.3 17.9 26.9

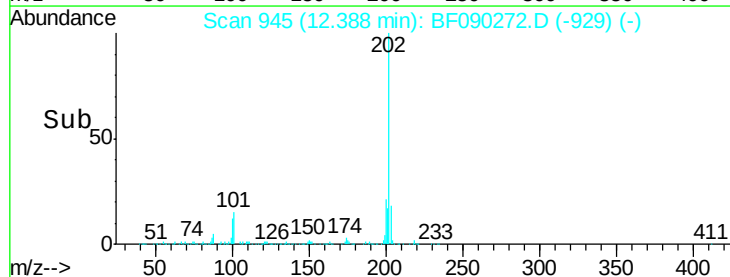
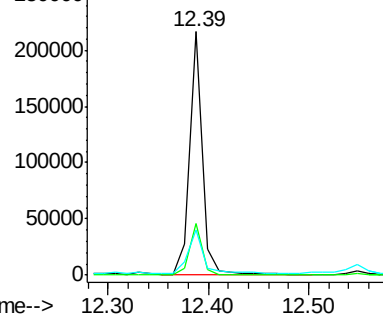
203 18.6 14.2 21.4

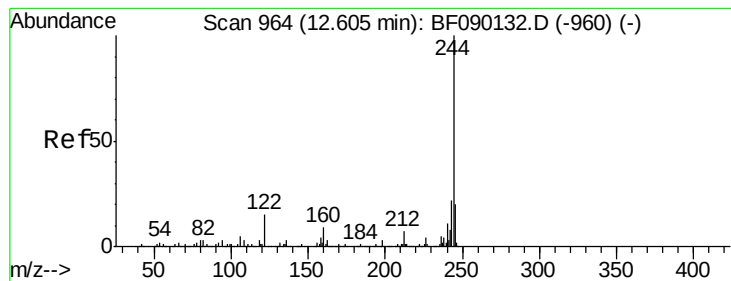


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 45.01 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

ClientSampleId :

S-6-1-LOC-6(0-5)

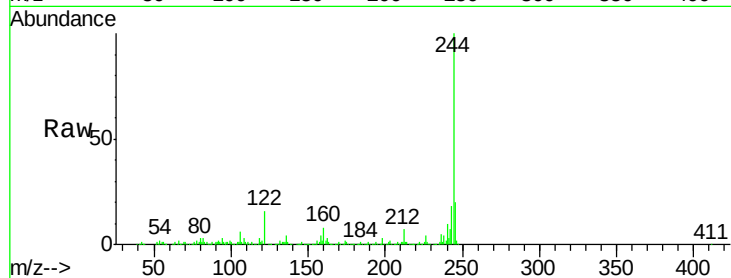
Tgt Ion:244 Resp: 506310

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 16.3 9.4 14.0#



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

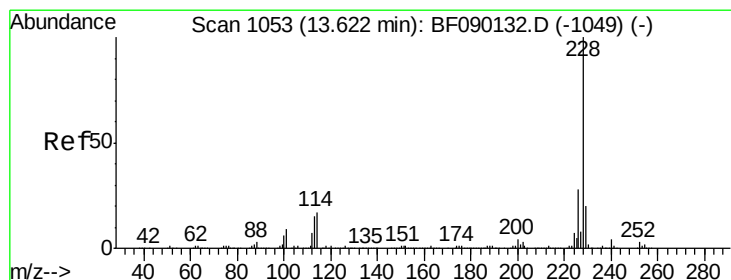
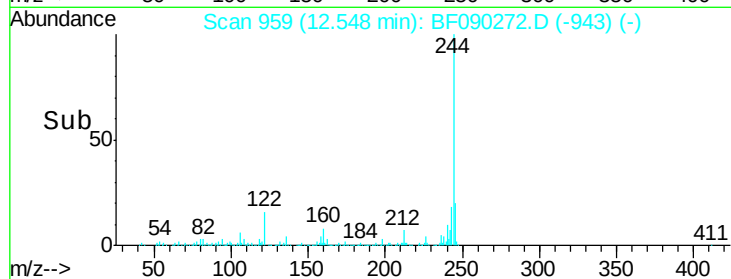
12.55

400000

200000

0

Time-->



#80

Benzo(a)anthracene

Concen: 7.03 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

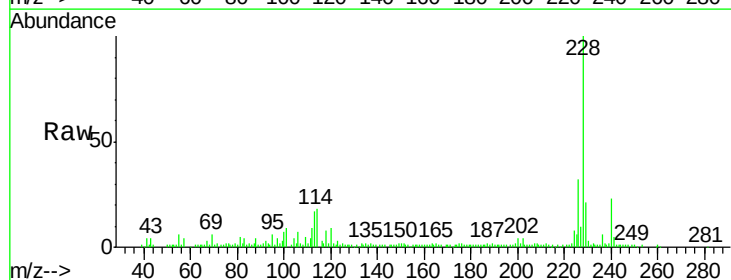
Tgt Ion:228 Resp: 108067

Ion Ratio Lower Upper

228 100

226 32.3 22.0 33.0

229 20.9 16.2 24.2



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

13.57

100000

80000

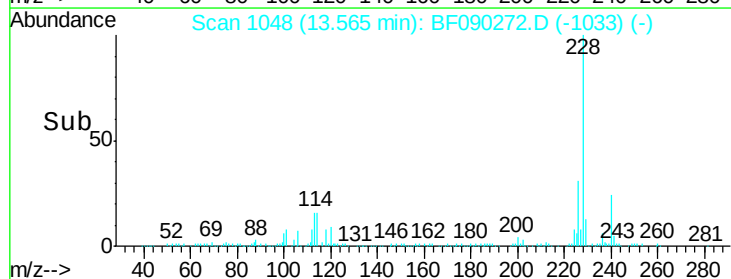
60000

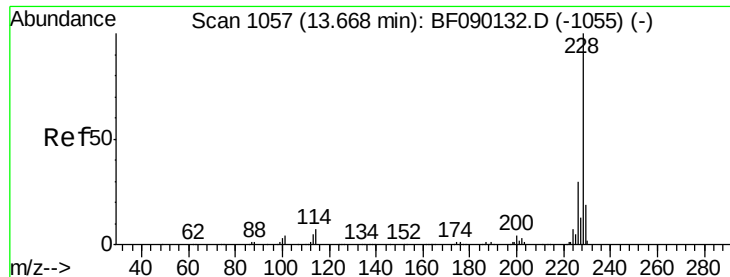
40000

20000

0

Time-->





#82

Chrysene

Concen: 7.22 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.06 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

ClientSampleId :

S-6-1-LOC-6(0-5)

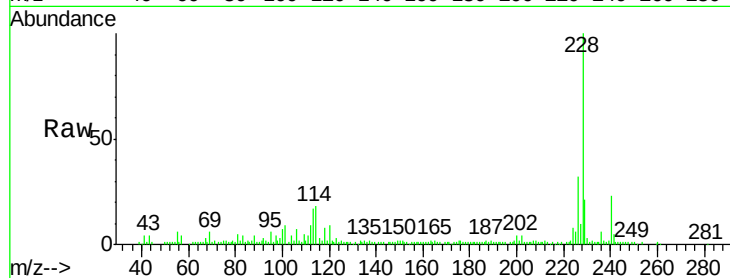
Tgt Ion:228 Resp: 108067

Ion Ratio Lower Upper

228 100

226 32.3 24.6 37.0

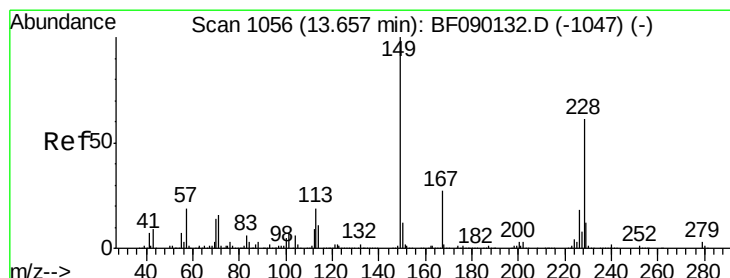
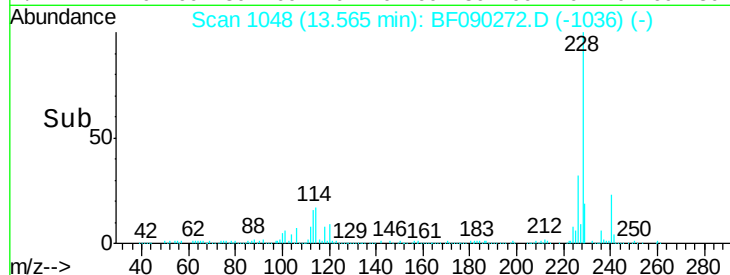
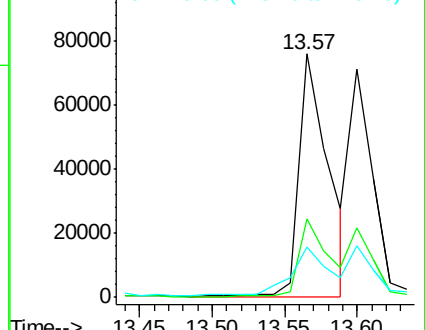
229 20.9 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.23 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

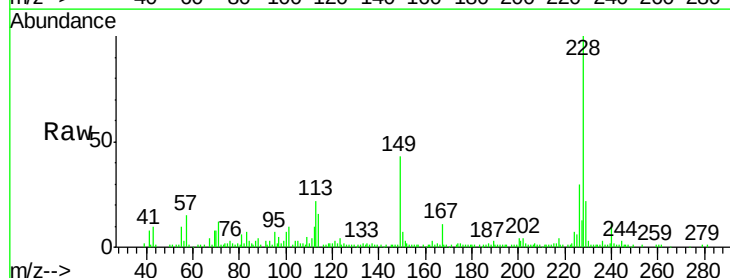
Tgt Ion:149 Resp: 27278

Ion Ratio Lower Upper

149 100

167 25.5 21.2 31.8

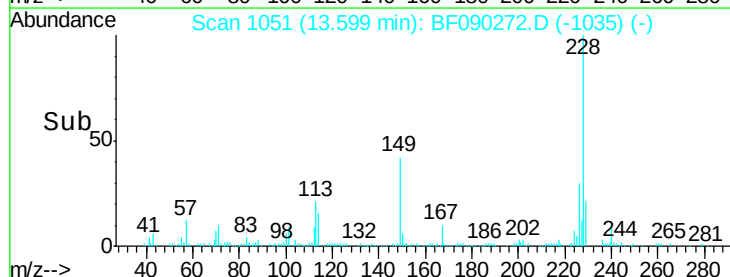
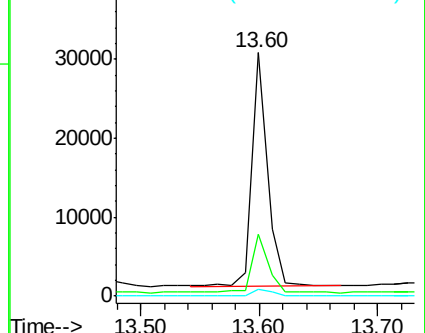
279 2.7 2.2 3.2

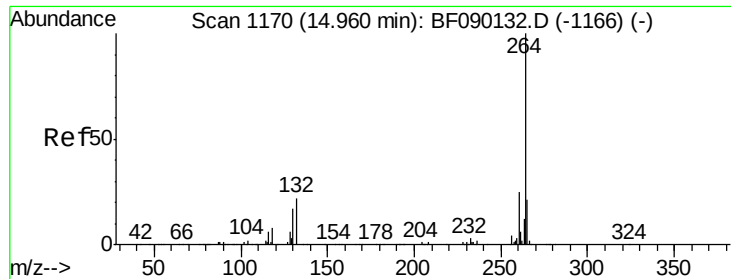


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



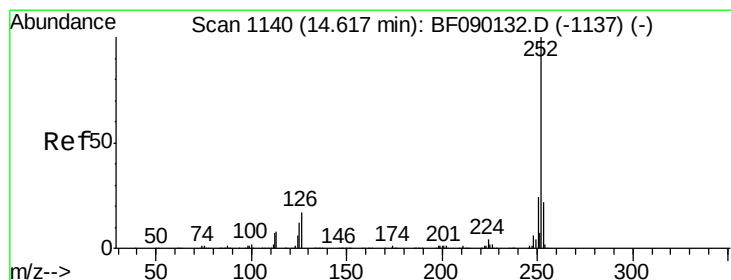
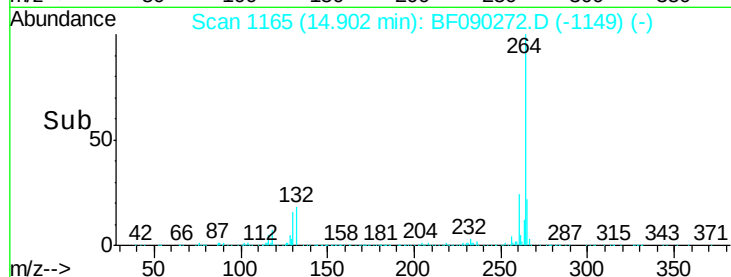
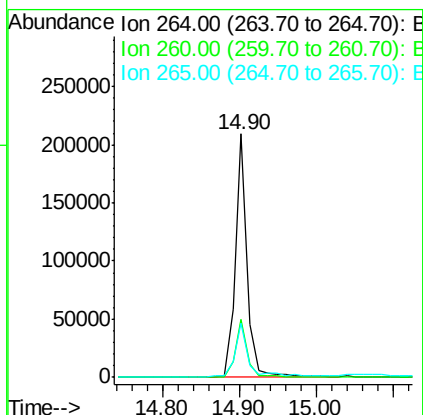
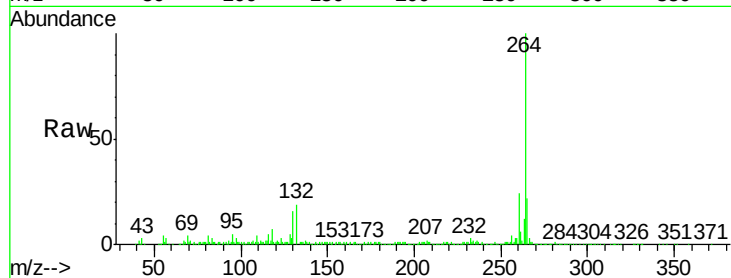


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Instrument :
BNA_F
ClientSampleId :
S-6-1-LOC-6(0-5)

Tgt Ion: 264 Resp: 227463

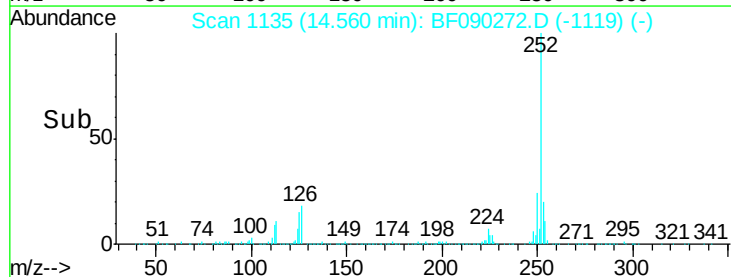
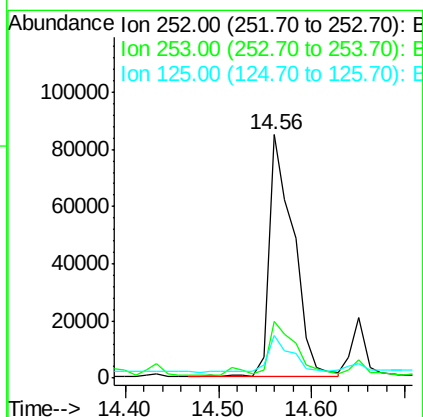
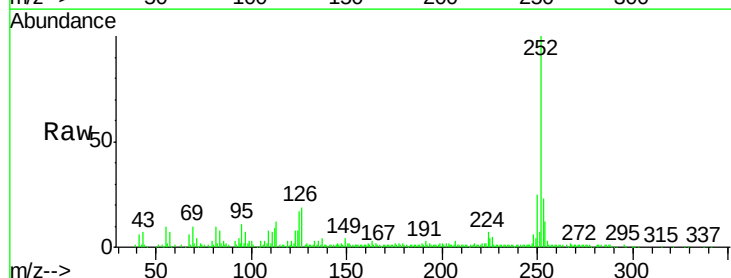
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.4	17.0	25.4

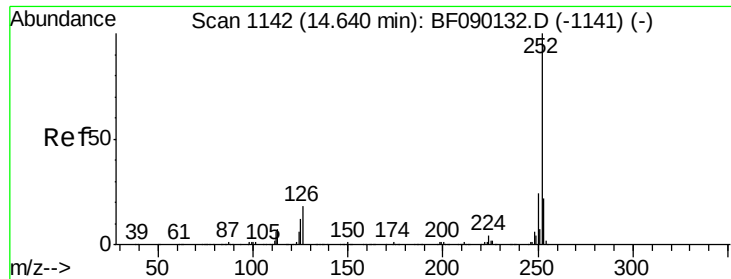


#87
Benzo(b)fluoranthene
Concen: 12.16 ng
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090272.D
Acq: 28 Sep 2016 00:32

Tgt Ion: 252 Resp: 153220

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	17.5	12.7	19.1





#88

Benzo(k)fluoranthene

Concen: 12.96 ng

RT: 14.56 min Scan# 1135

Delta R.T. -0.03 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

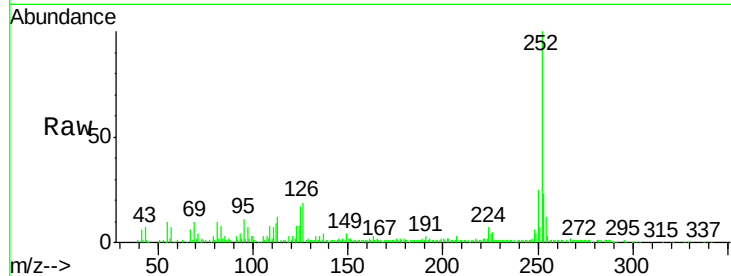
Instrument :

BNA_F

ClientSampleId :

S-6-1-LOC-6(0-5)

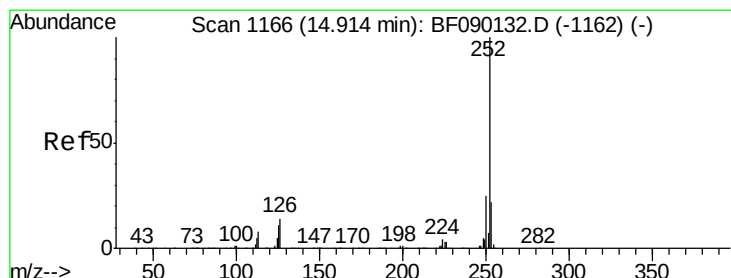
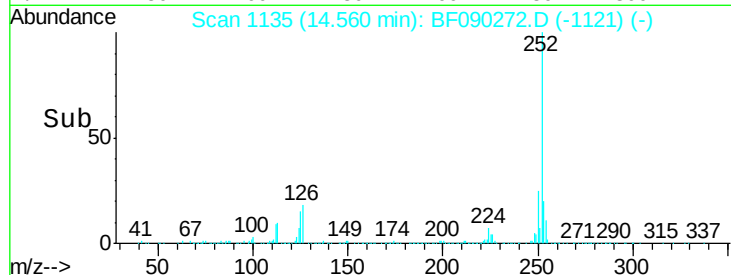
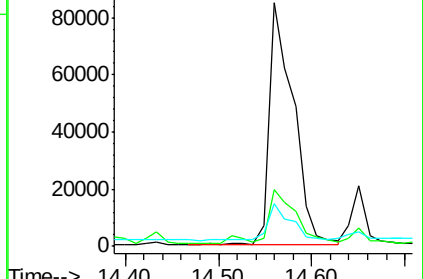
Tgt Ion:	252	Resp:	153220
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	17.5	7.8	11.6#



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: 6.05 ng

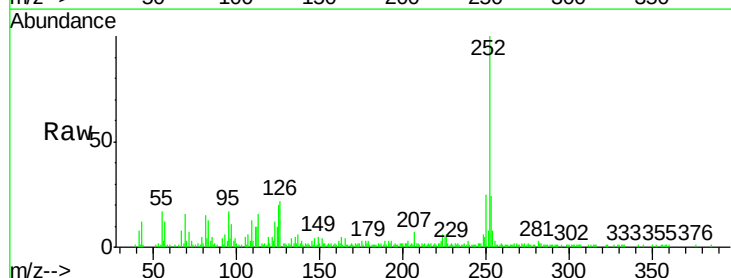
RT: 14.85 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF090272.D

Acq: 28 Sep 2016 00:32

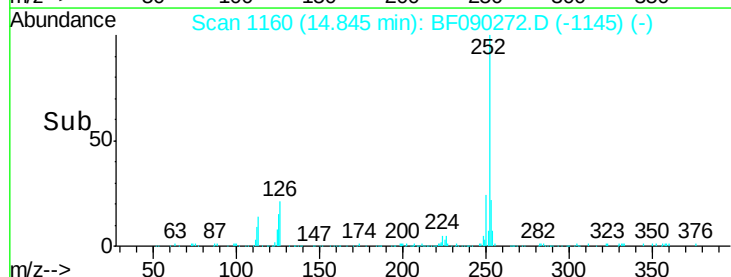
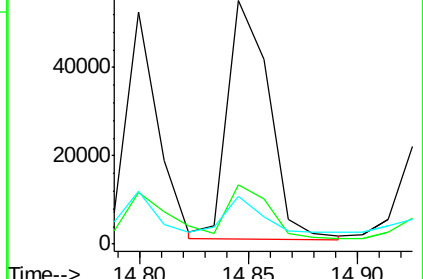
Tgt Ion:	252	Resp:	71635
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	19.8	7.7	11.5#

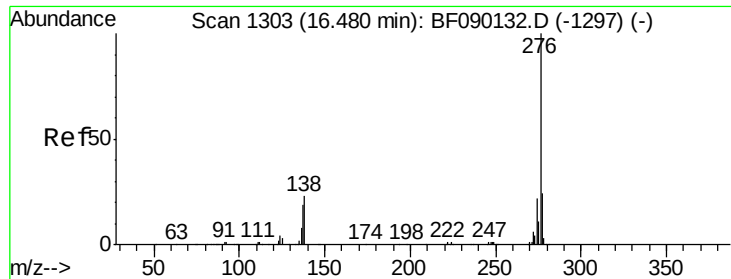


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.90 ng

RT: 16.38 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF090272.D

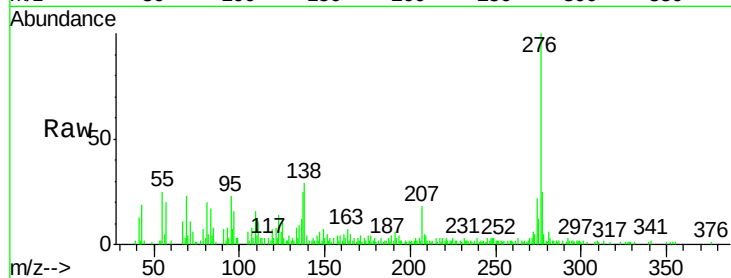
Acq: 28 Sep 2016 00:32

Instrument :

BNA_F

ClientSampleId :

S-6-1-LOC-6(0-5)



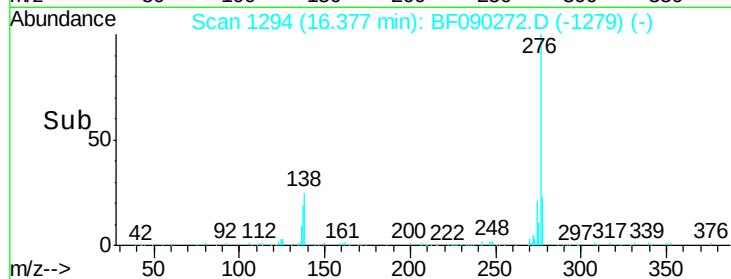
Tgt Ion: 276 Resp: 44359

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 28.8 23.3 34.9



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

