

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
 Data File : BF091070.D
 Acq On : 7 Nov 2016 21:45
 Operator : UM/SJ
 Sample : H5565-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BRITTON-MORRISVILLE-PA

Quant Time: Nov 07 23:58:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

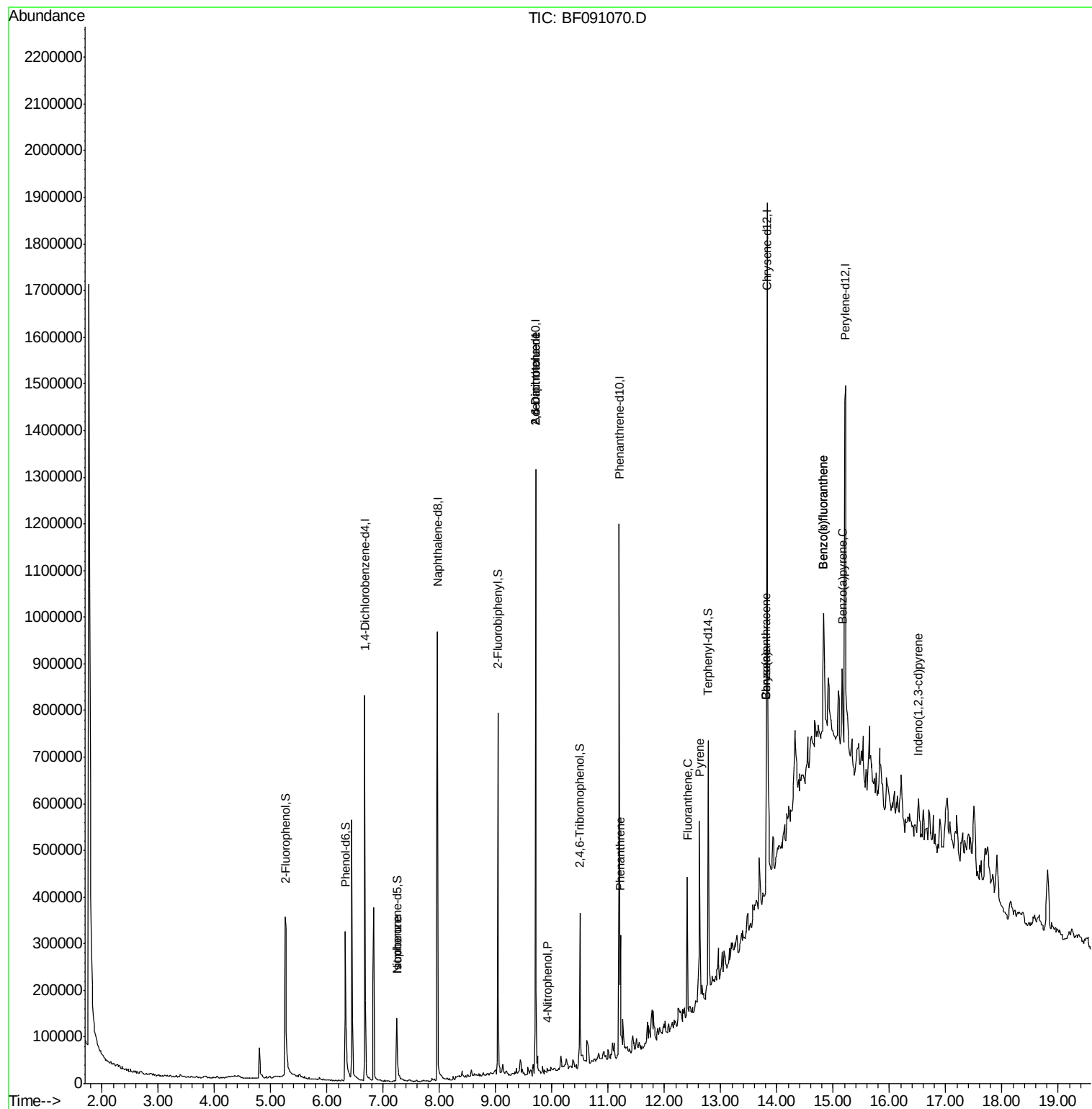
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	139457	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	534890	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	257825	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	451435	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	451188	20.00	ng	-0.03
86) Perylene-d12	15.22	264	419202	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	179679	21.28	ng	-0.02
7) Phenol-d6	6.33	99	188313	16.43	ng	-0.02
23) Nitrobenzene-d5	7.24	82	78572	8.01	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	33582	14.41	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	236548	15.80	ng	-0.03
78) Terphenyl-d14	12.77	244	207624	11.48	ng	-0.03
Target Compounds						
25) Isophorone	7.24	82	61449	3.25	ng	# 67
50) 2,6-Dinitrotoluene	9.71	165	33436	9.23	ng	# 11
55) 4-Nitrophenol	9.92	139	1789	6.31	ng	# 24
56) 2,4-Dinitrotoluene	9.71	165	33933	7.36	ng	# 26
70) Phenanthrene	11.22	178	97756	4.07	ng	97
74) Fluoranthene	12.41	202	178571	7.17	ng	89
77) Pyrene	12.62	202	163331	5.53	ng	98
80) Benzo(a)anthracene	13.81	228	115160	4.50	ng	99
82) Chrysene	13.81	228	115160	4.56	ng	96
85) Indeno(1,2,3-cd)pyrene	16.51	276	42794	2.04	ng	93
87) Benzo(b)fluoranthene	14.83	252	166561	5.86	ng	# 90
88) Benzo(k)fluoranthene	14.83	252	166561	6.68	ng	# 94
89) Benzo(a)pyrene	15.16	252	77498	3.13	ng	# 88

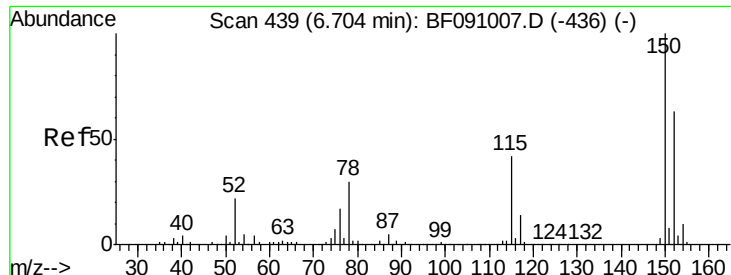
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

Instrument :

BNA_F

ClientSampleId :

BRITTON-MORRISVILLE-PA

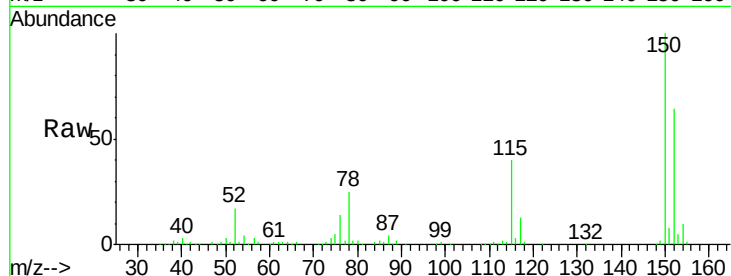
Tgt Ion:152 Resp: 139457

Ion Ratio Lower Upper

152 100

150 155.2 126.8 190.2

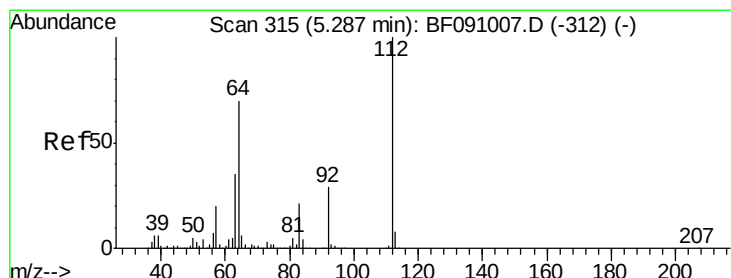
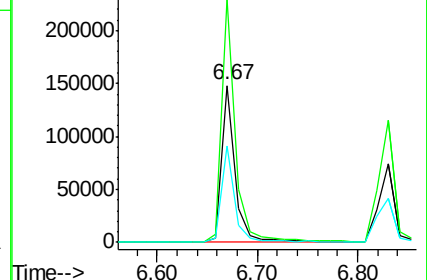
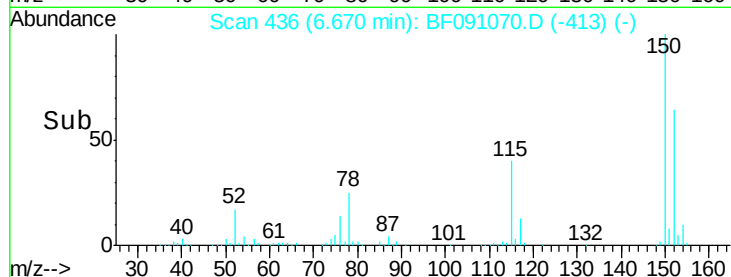
115 61.8 53.3 79.9



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: 21.28 ng

RT: 5.26 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

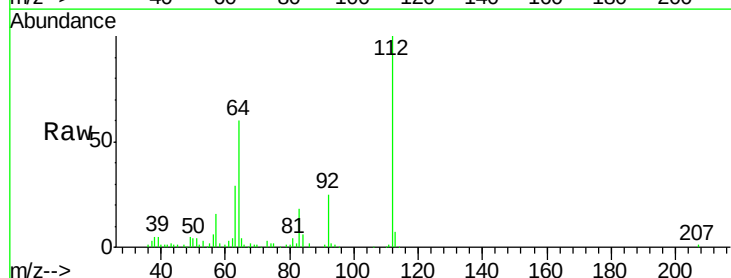
Tgt Ion:112 Resp: 179679

Ion Ratio Lower Upper

112 100

64 59.6 55.8 83.6

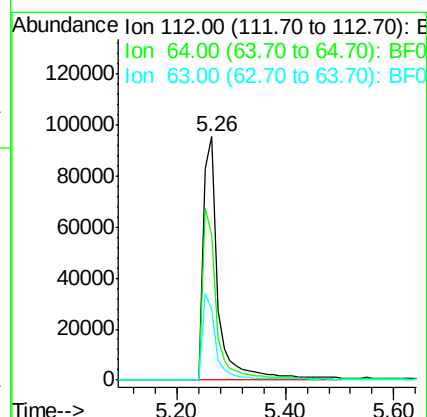
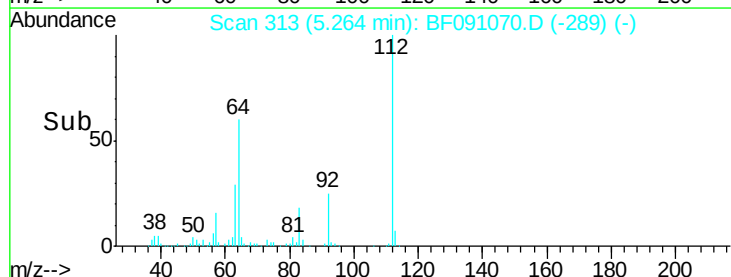
63 29.2 28.0 42.0

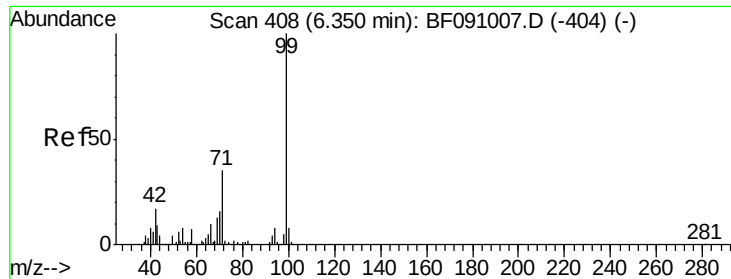


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.43 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

Instrument :

BNA_F

ClientSampleId :

BRITTON-MORRISVILLE-PA

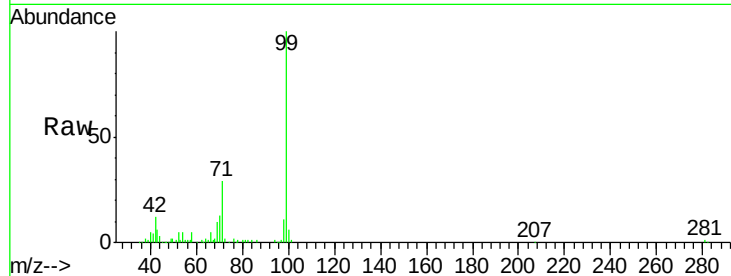
Tgt Ion: 99 Resp: 188313

Ion Ratio Lower Upper

99 100

42 11.7 13.9 20.9#

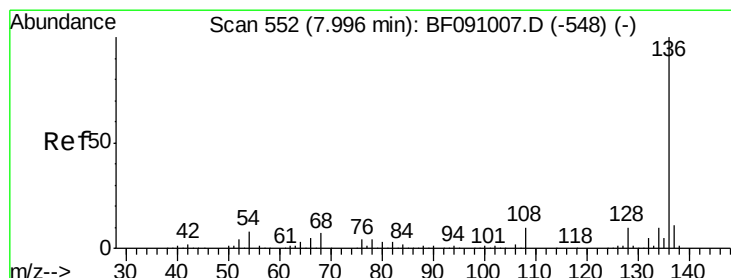
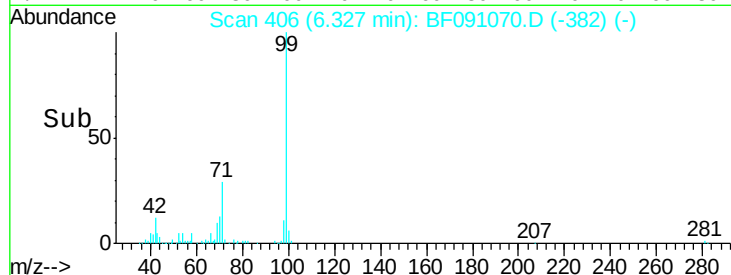
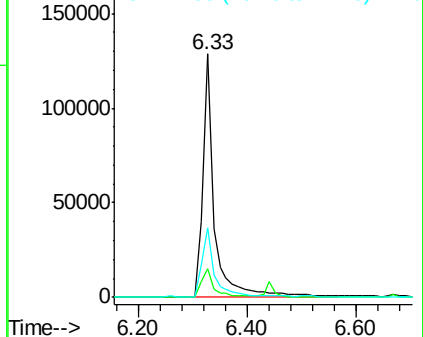
71 28.8 27.8 41.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

Tgt Ion: 136 Resp: 534890

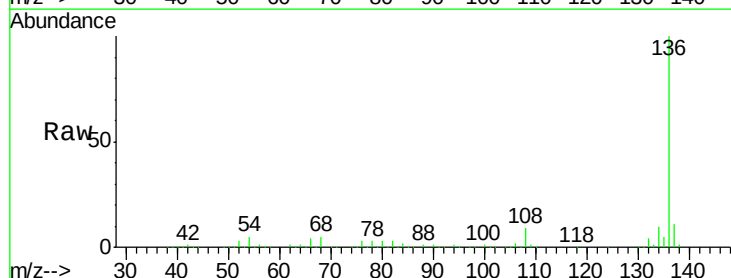
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 5.1 6.2 9.2#

68 5.1 5.5 8.3#

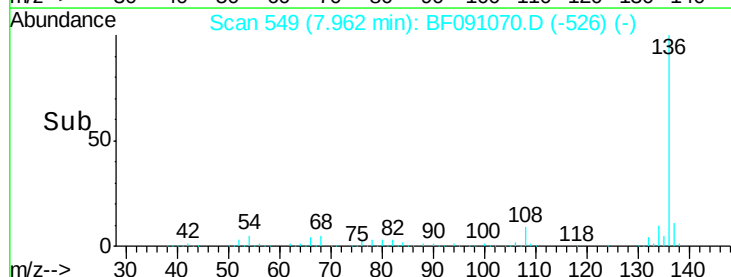
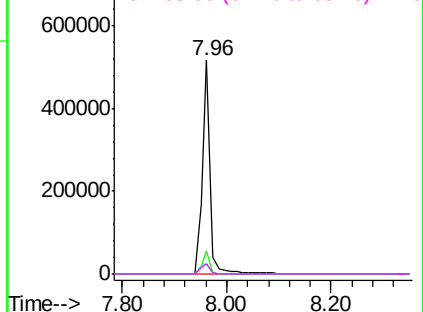


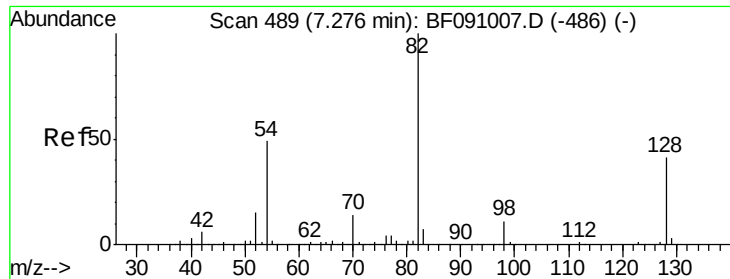
Abundance Ion 136.00 (135.70 to 136.70): E

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

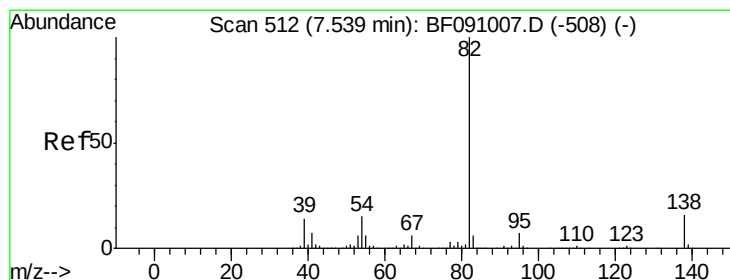
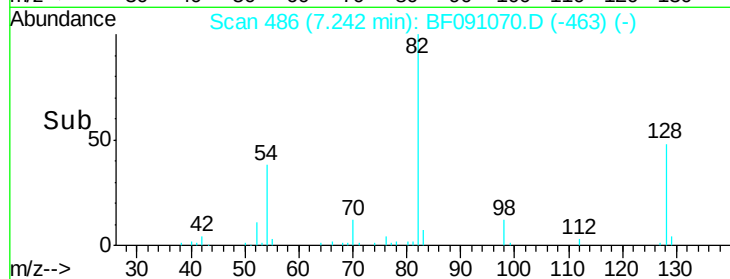
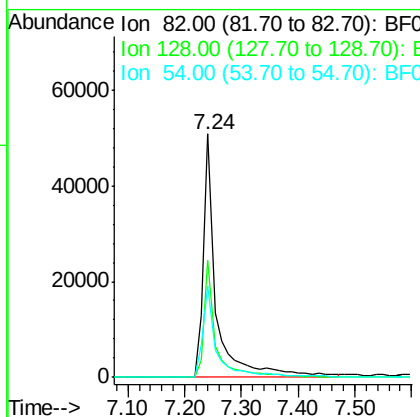
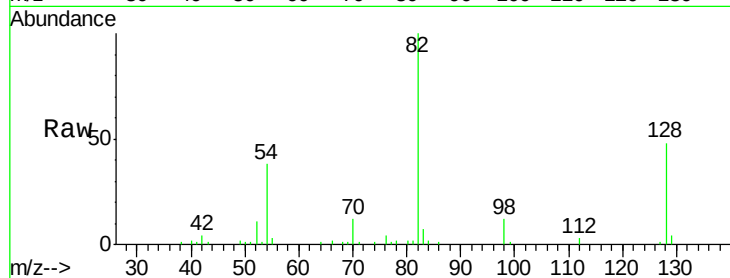




#23
 Nitrobenzene-d5
 Concen: 8.01 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF091070.D
 Acq: 7 Nov 2016 21:45

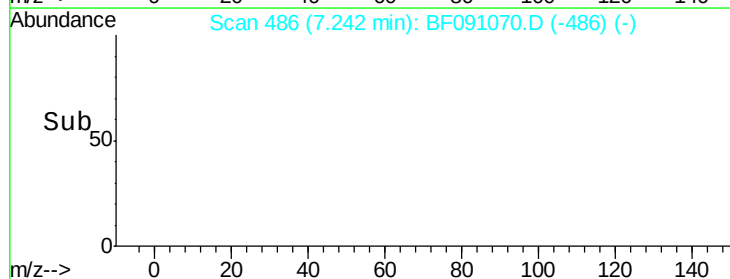
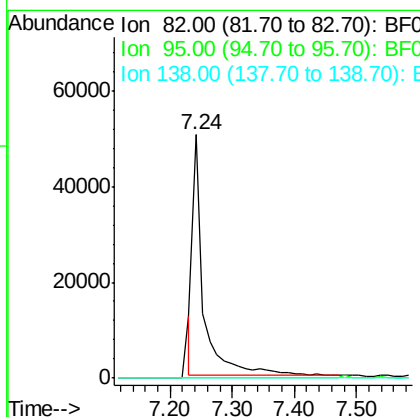
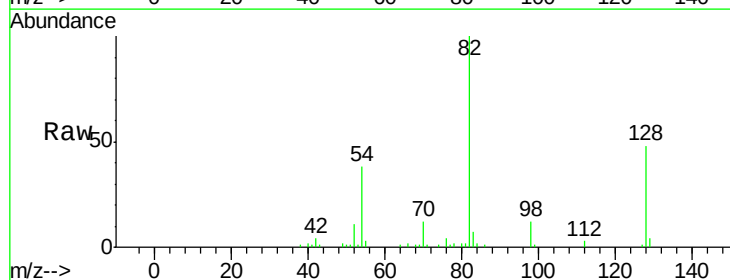
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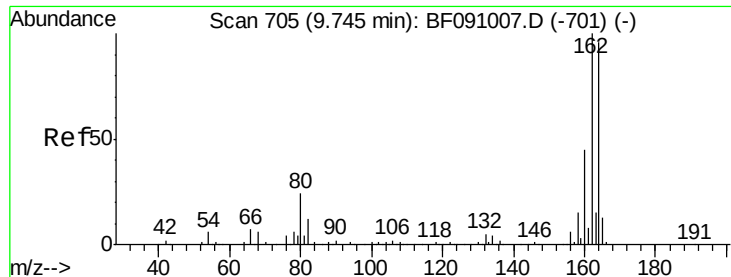
Tgt Ion: 82 Resp: 78572
 Ion Ratio Lower Upper
 82 100
 128 47.8 32.4 48.6
 54 37.7 39.2 58.8#



#25
 Isophorone
 Concen: 3.25 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.30 min
 Lab File: BF091070.D
 Acq: 7 Nov 2016 21:45

Tgt Ion: 82 Resp: 61449
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#

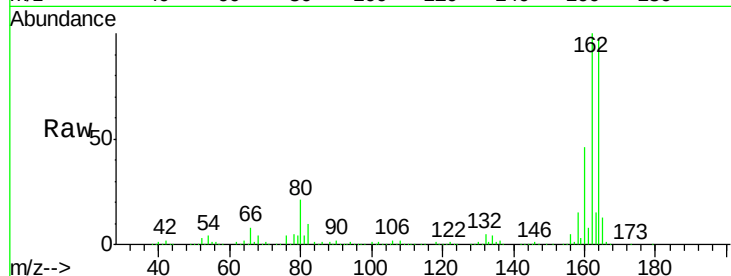




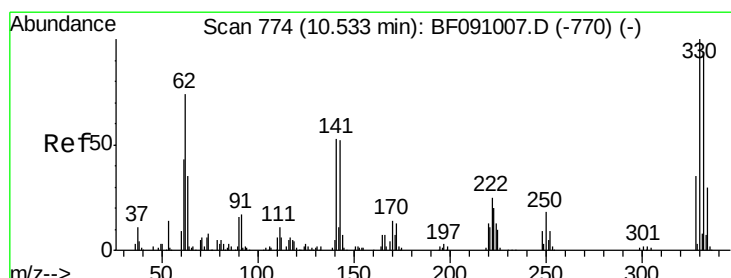
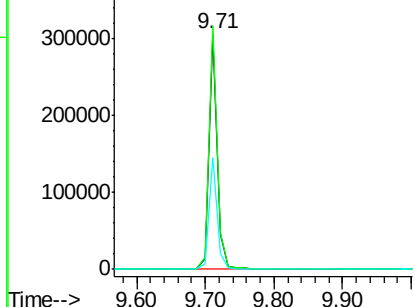
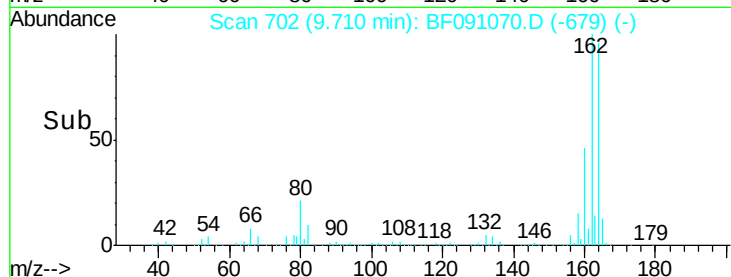
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF091070.D
Acq: 7 Nov 2016 21:45

Instrument :
BNA_F
ClientSampleId :
BRITTON-MORRISVILLE-PA

Tgt Ion:164 Resp: 257825
Ion Ratio Lower Upper
164 100
162 103.6 83.6 125.4
160 47.3 37.9 56.9

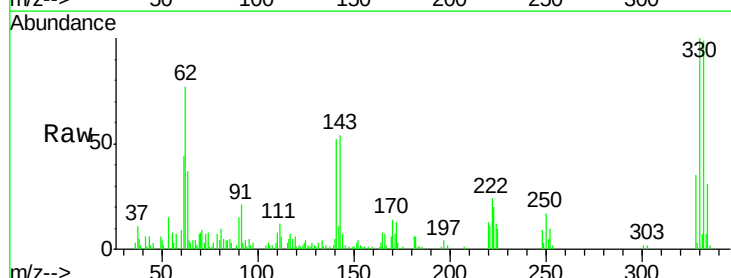


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

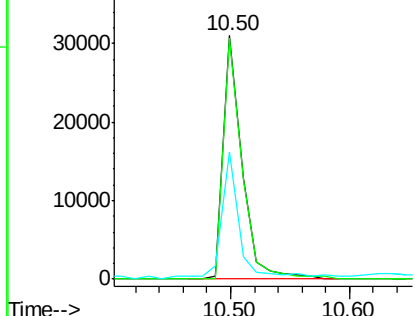
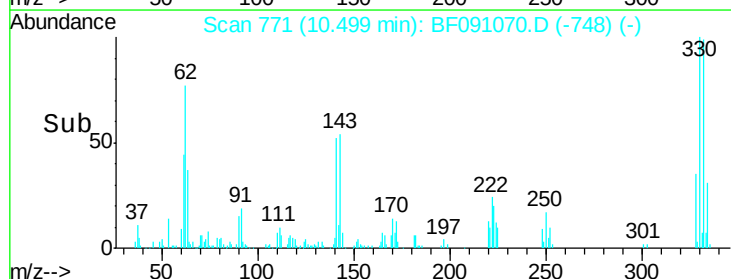


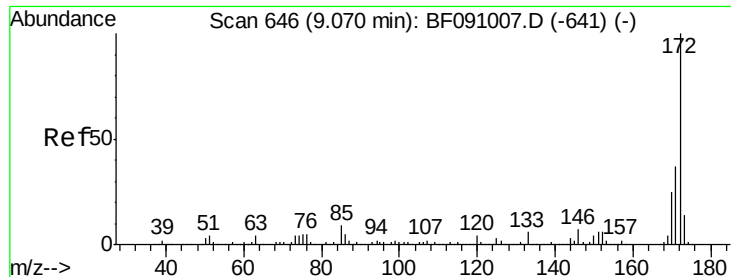
#41
2,4,6-Tribromophenol
Concen: 14.41 ng
RT: 10.50 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF091070.D
Acq: 7 Nov 2016 21:45

Tgt Ion:330 Resp: 33582
Ion Ratio Lower Upper
330 100
332 98.4 75.9 113.9
141 53.6 36.1 54.1



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

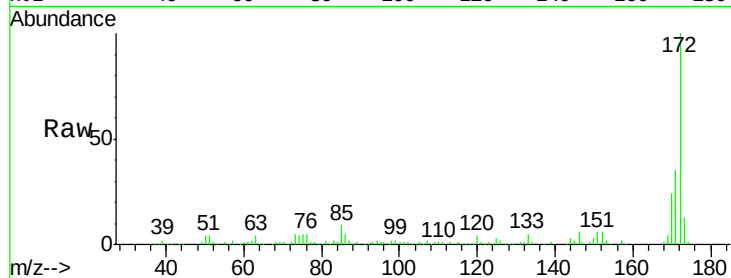




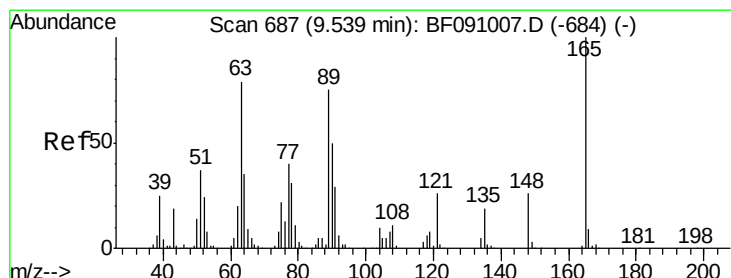
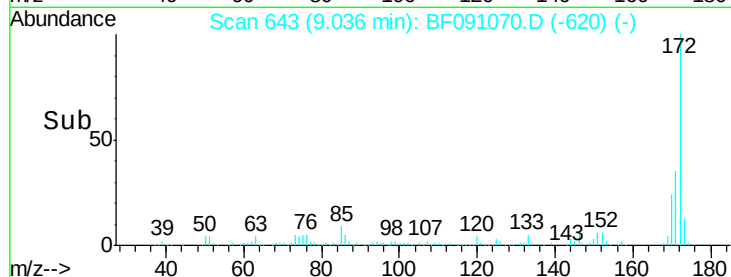
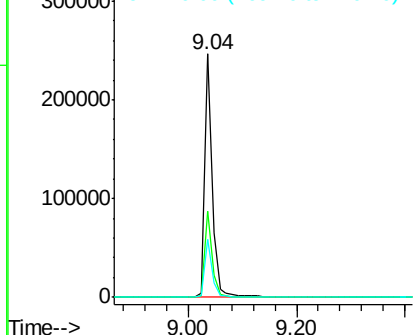
#44
 2-Fluorobiphenyl
 Concen: 15.80 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF091070.D
 Acq: 7 Nov 2016 21:45

Instrument :
 BNA_F
 ClientSampleId :
 BRITTON-MORRISVILLE-PA

Tgt Ion:172 Resp: 236548
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.8 44.6
 170 24.0 20.3 30.5

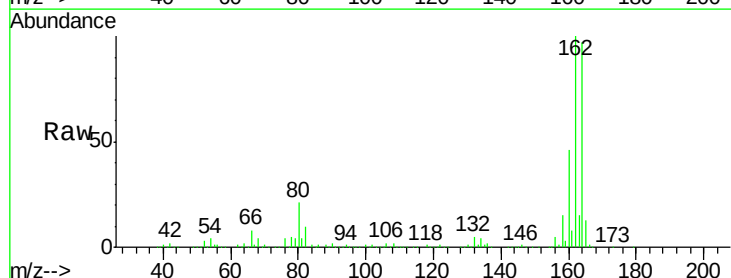


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

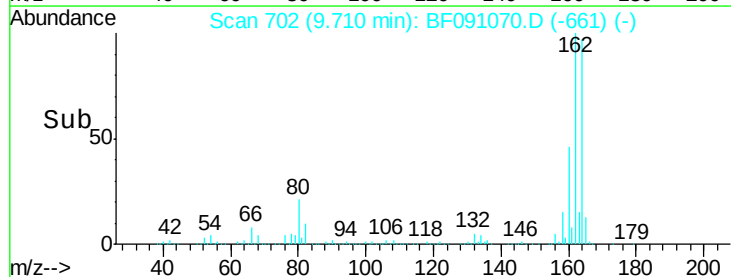
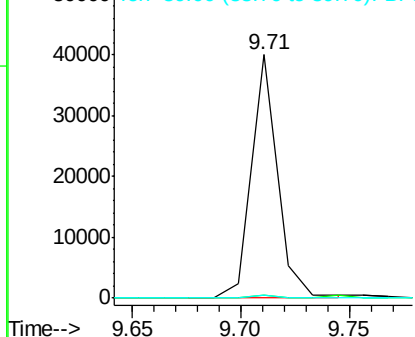


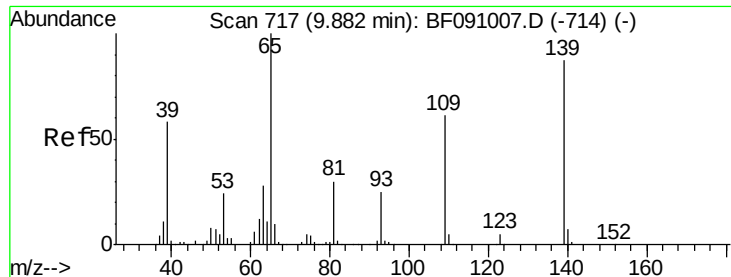
#50
 2,6-Dinitrotoluene
 Concen: 9.23 ng
 RT: 9.71 min Scan# 702
 Delta R.T. 0.17 min
 Lab File: BF091070.D
 Acq: 7 Nov 2016 21:45

Tgt Ion:165 Resp: 33436
 Ion Ratio Lower Upper
 165 100
 63 1.0 65.6 98.4#
 89 1.1 59.8 89.6#



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





#55

4-Nitrophenol

Concen: 6.31 ng

RT: 9.92 min Scan# 720

Delta R.T. 0.04 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

Instrument :

BNA_F

ClientSampleId :

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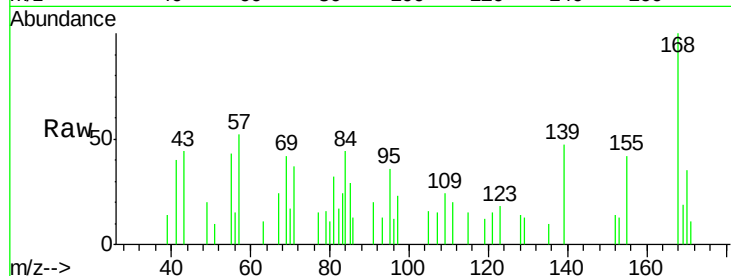
Tgt Ion:139 Resp: 1789

Ion Ratio Lower Upper

139 100

109 50.6 50.5 90.5

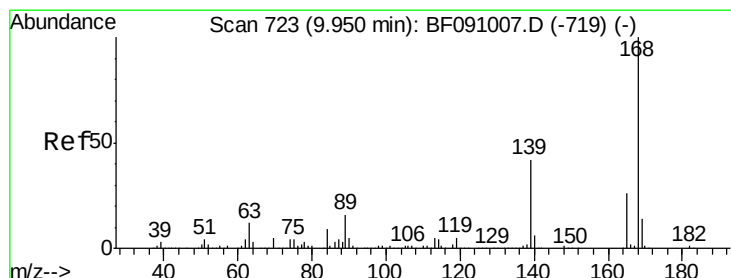
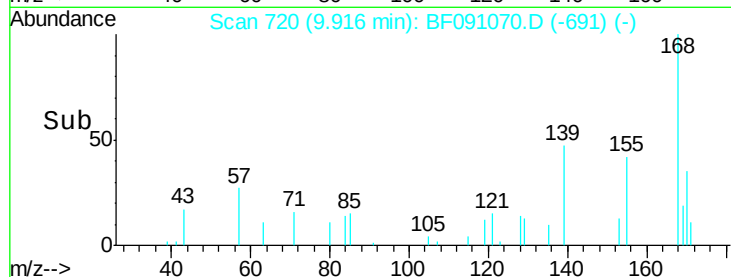
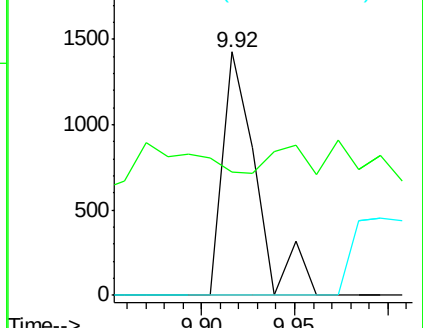
65 0.0 97.1 137.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.36 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

Tgt Ion:165 Resp: 33933

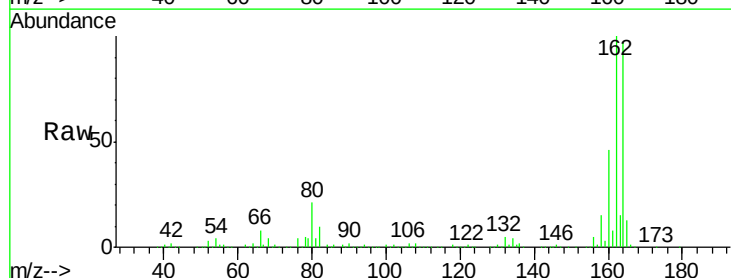
Ion Ratio Lower Upper

165 100

63 1.0 38.7 58.1#

89 1.1 50.6 76.0#

182 0.0 1.8 2.8#

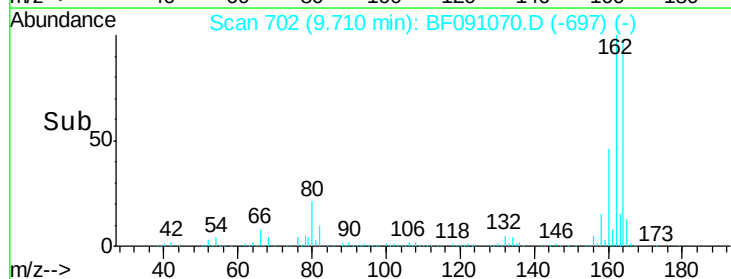
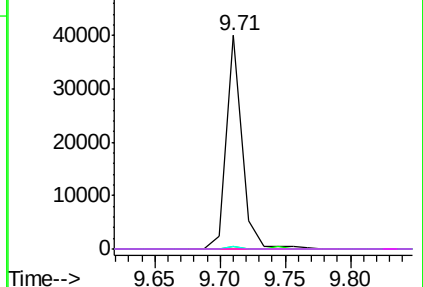


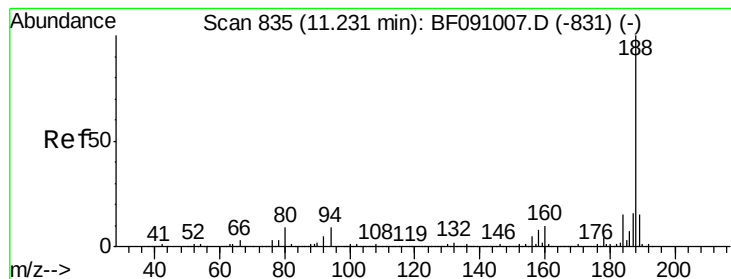
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.20 min Scan# 832

Delta R.T. -0.03 min

Lab File: BF091070.D

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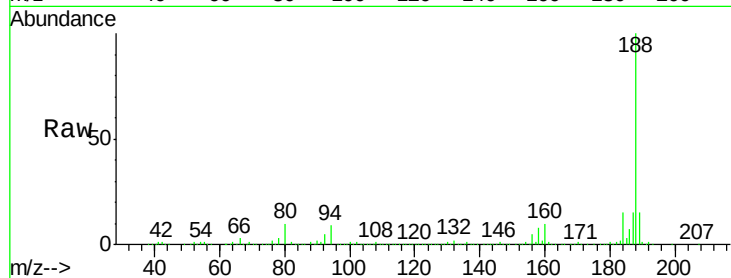
Tgt Ion:188 Resp: 451435

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

80 9.8 7.5 11.3



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

600000

500000

400000

300000

200000

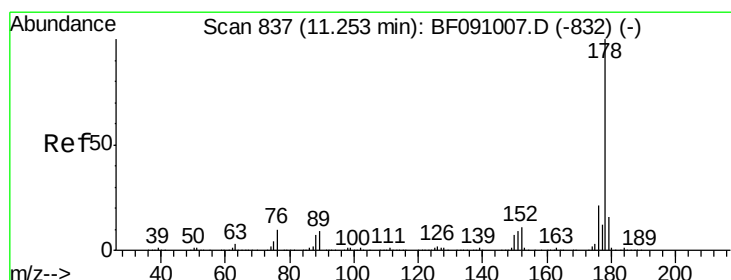
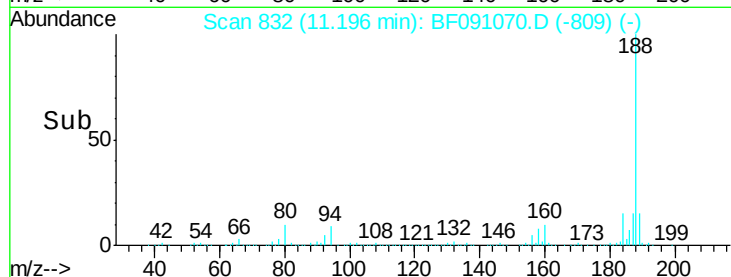
100000

0

11.20

11.40

Time-->



#70

Phenanthrene

Concen: 4.07 ng

RT: 11.22 min Scan# 834

Delta R.T. -0.03 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

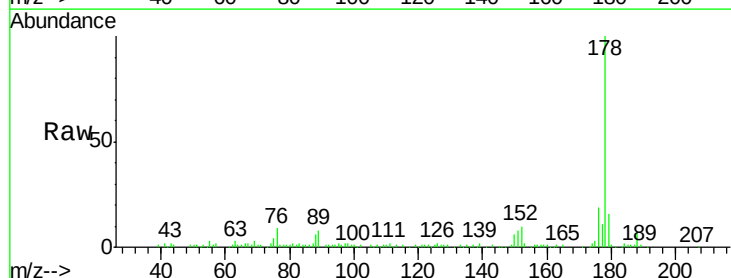
Tgt Ion:178 Resp: 97756

Ion Ratio Lower Upper

178 100

176 18.9 16.6 25.0

179 15.7 12.9 19.3



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

100000

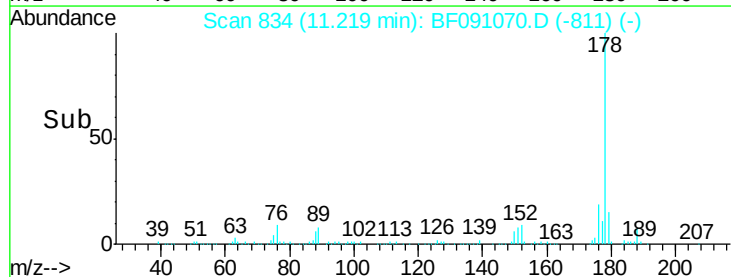
50000

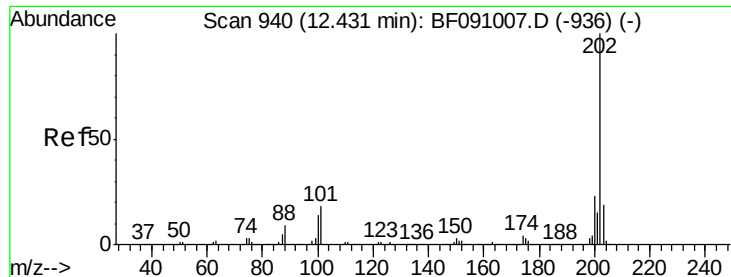
0

11.22

11.25

Time-->





#74

Fluoranthene

Concen: 7.17 ng

RT: 12.41 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

Instrument :

BNA_F

ClientSampleId :

BRITTON-MORRISVILLE-PA

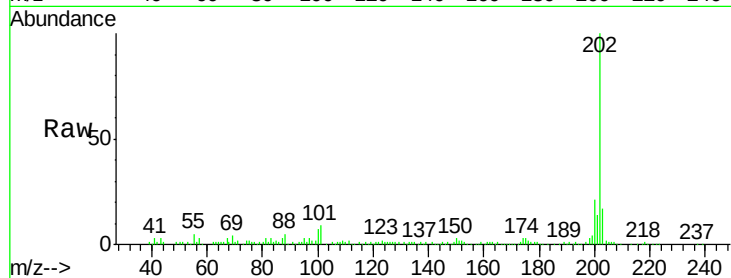
Tgt Ion:202 Resp: 178571

Ion Ratio Lower Upper

202 100

101 9.3 0.0 37.6

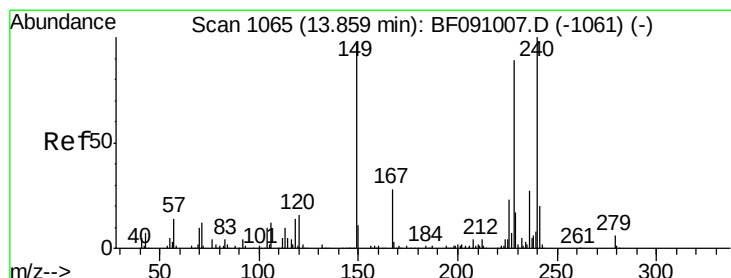
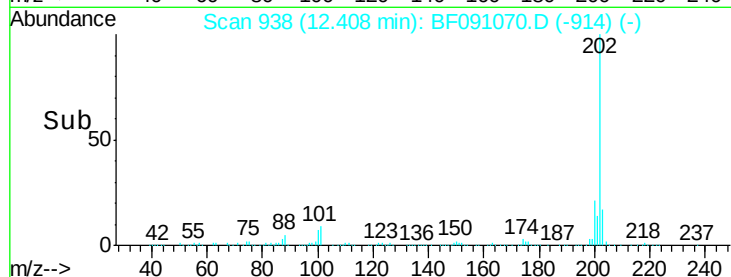
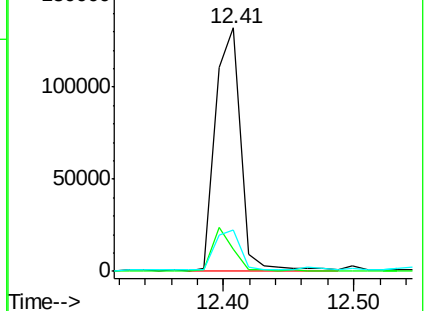
203 17.3 0.0 38.6



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: 13.83 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

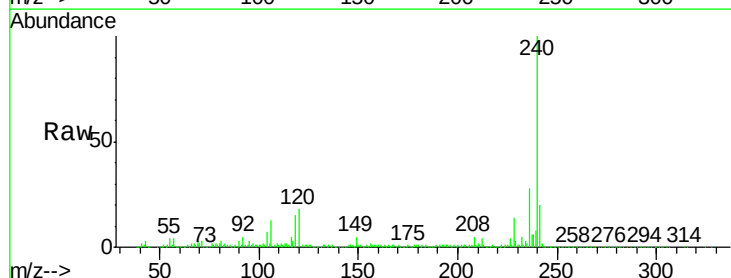
Tgt Ion:240 Resp: 451188

Ion Ratio Lower Upper

240 100

120 18.2 12.9 19.3

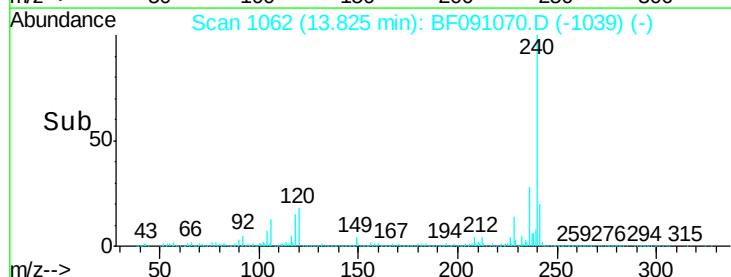
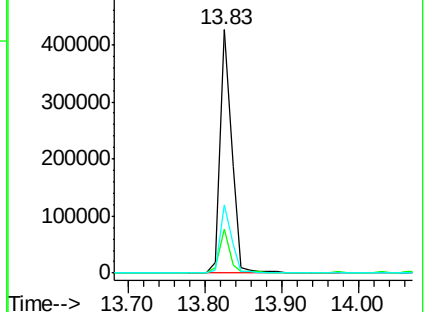
236 28.0 21.9 32.9

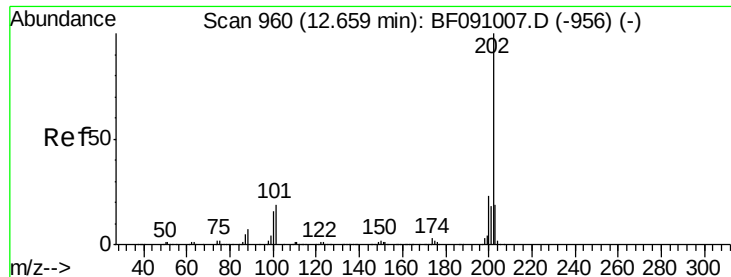


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.53 ng

RT: 12.62 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

Instrument :

BNA_F

ClientSampleId :

BRITTON-MORRISVILLE-PA

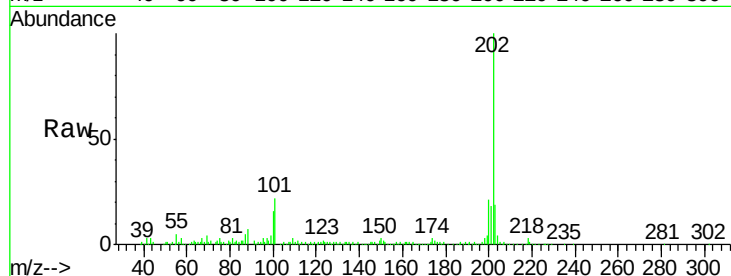
Tgt Ion:202 Resp: 163331

Ion Ratio Lower Upper

202 100

200 21.4 18.4 27.6

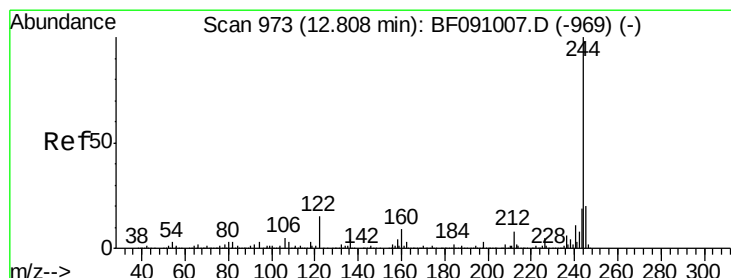
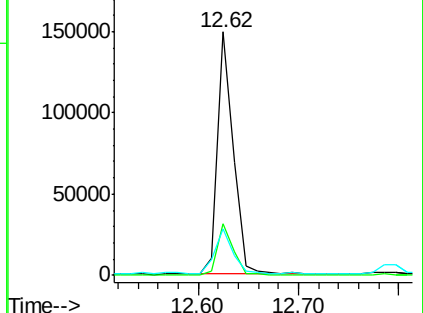
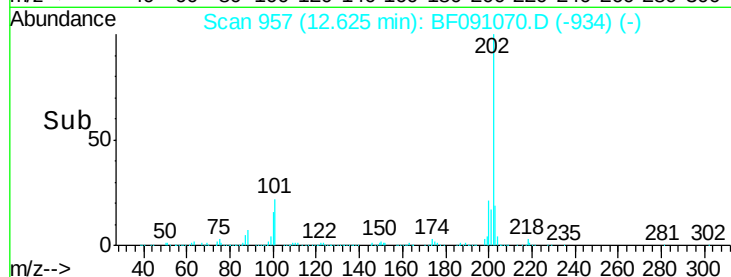
203 19.3 15.0 22.6



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: 11.48 ng

RT: 12.77 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF091070.D

Acq: 7 Nov 2016 21:45

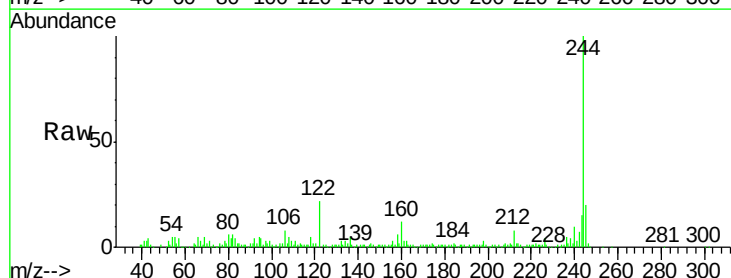
Tgt Ion:244 Resp: 207624

Ion Ratio Lower Upper

244 100

212 8.1 6.4 9.6

122 22.4 12.3 18.5#



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

