

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102116\
 Data File : BF090745.D
 Acq On : 22 Oct 2016 7:24
 Operator : UM/SJ
 Sample : H5308-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-103S

Quant Time: Oct 24 12:16:37 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

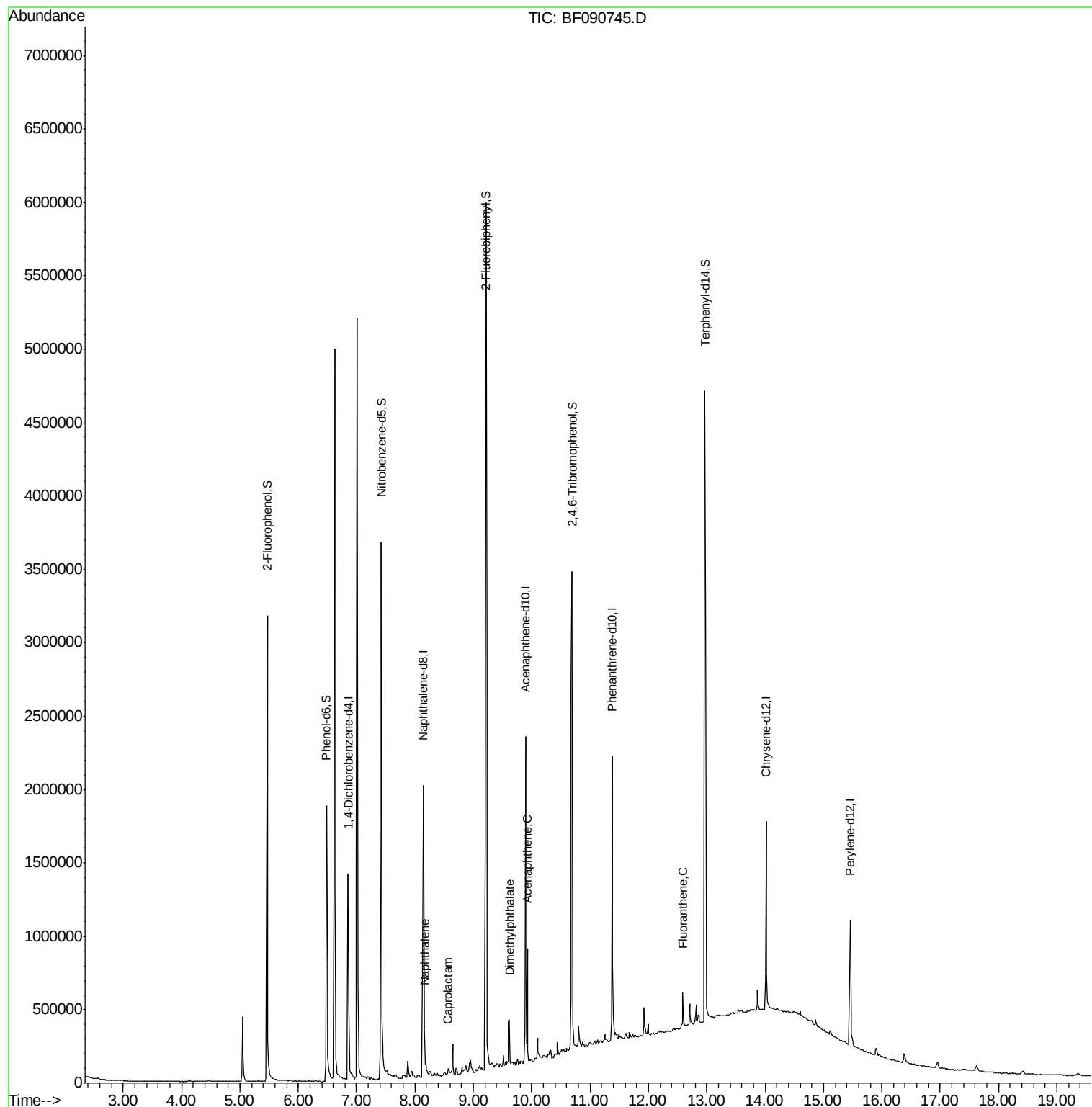
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	254585	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	1071818	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	493583	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	765711	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	459752	20.00	ng	0.00
86) Perylene-d12	15.46	264	383230	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1090018	69.05	ng	0.01
7) Phenol-d6	6.49	99	815279	38.13	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1681903	86.07	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	638119	163.34	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2558003	80.45	ng	-0.01
78) Terphenyl-d14	12.97	244	1920869	95.76	ng	0.00
Target Compounds						
31) Naphthalene	8.17	128	184733	3.52	ng	99
35) Caprolactam	8.57	113	8262	2.30	ng	# 47
49) Dimethylphthalate	9.62	163	212215	6.84	ng	# 96
51) Acenaphthene	9.93	154	167979	5.76	ng	89
74) Fluoranthene	12.59	202	94590	2.51	ng	96

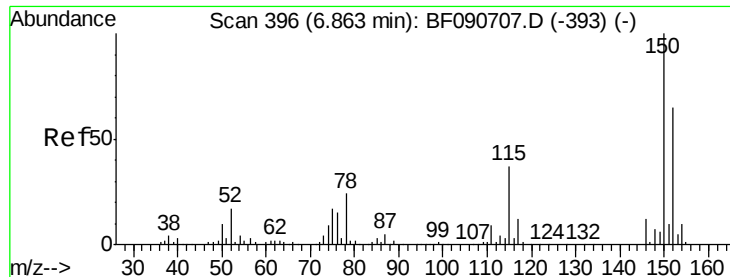
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 21 17:36:31 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

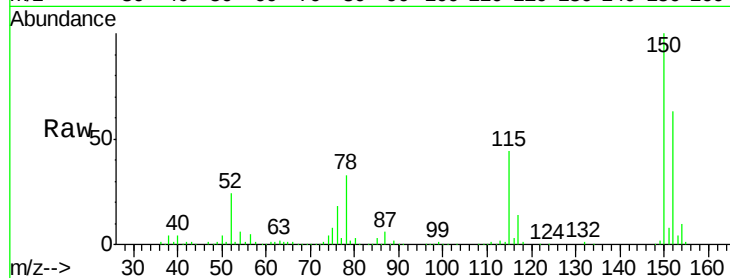
Tot Ion:152 Resp: 254585

Ion Ratio Lower Upper

152 100

150 158.1 124.7 187.1

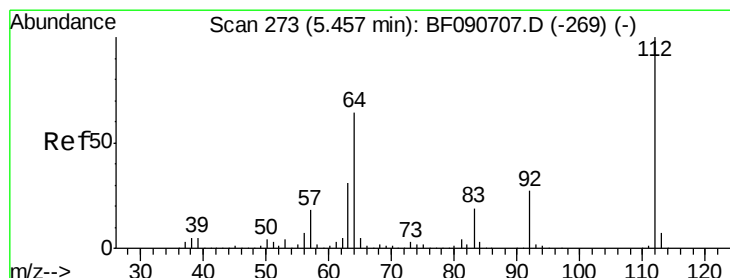
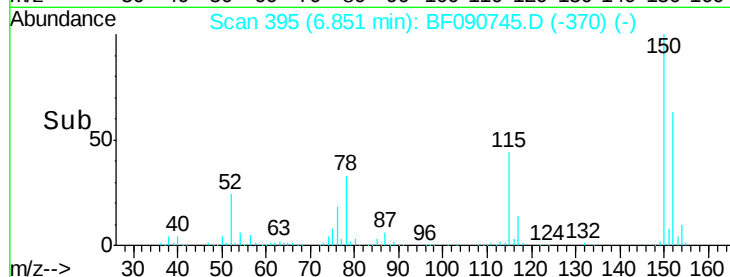
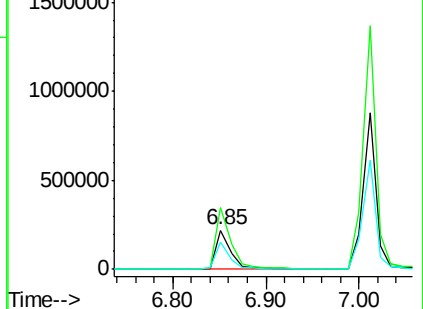
115 69.7 39.0 58.4#



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: 69.05 ng

RT: 5.47 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

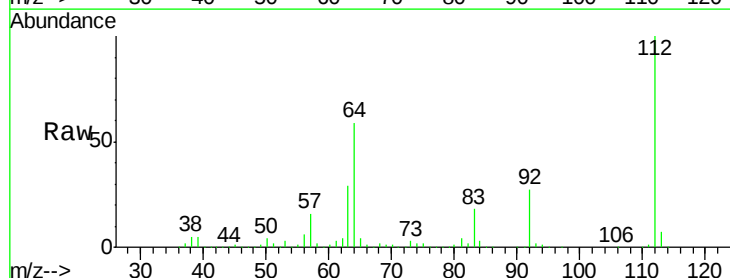
Tgt Ion:112 Resp: 1090018

Ion Ratio Lower Upper

112 100

64 58.9 39.7 59.5

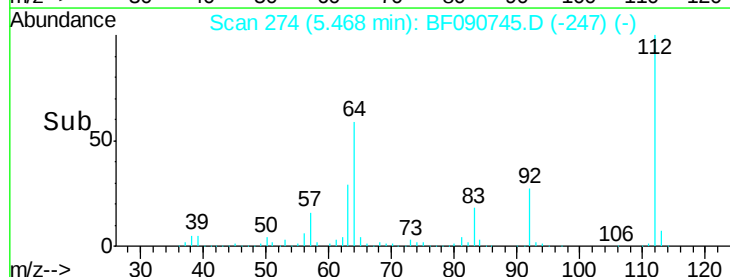
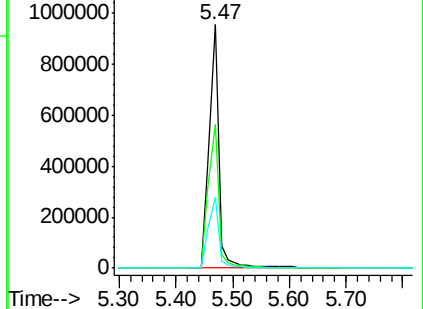
63 29.0 17.4 26.0#

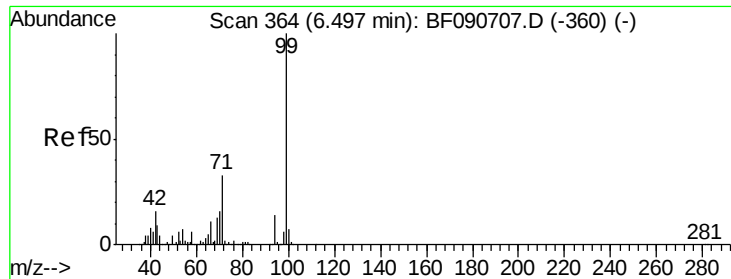


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.13 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

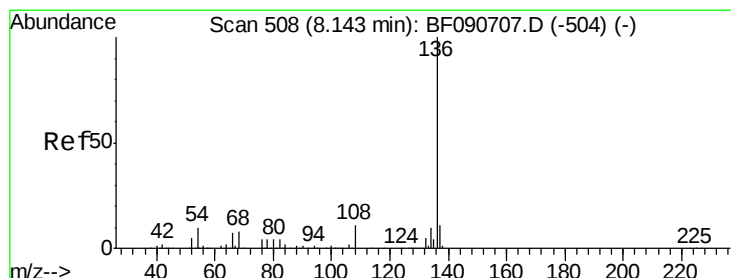
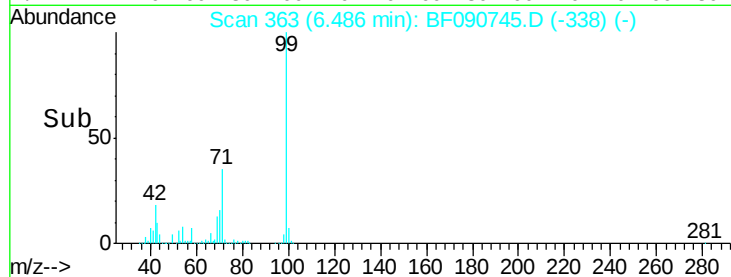
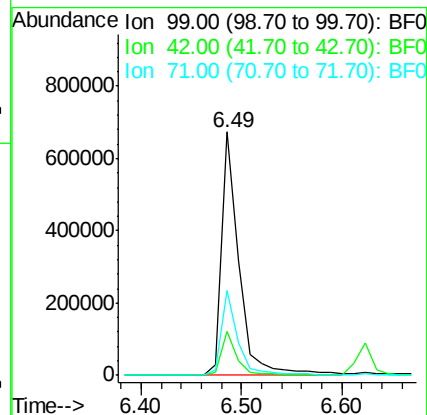
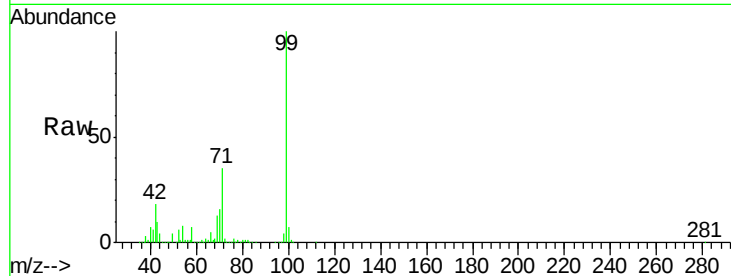
Tot Ion: 99 Resp: 815279

Ion Ratio Lower Upper

99 100

42 18.2 13.7 20.5

71 34.9 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Tgt Ion: 136 Resp: 1071818

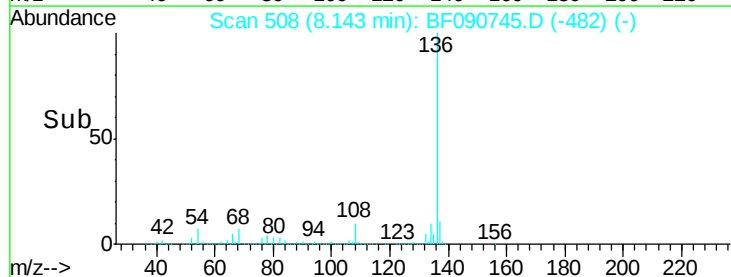
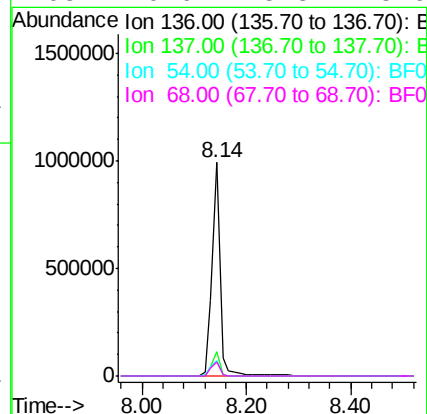
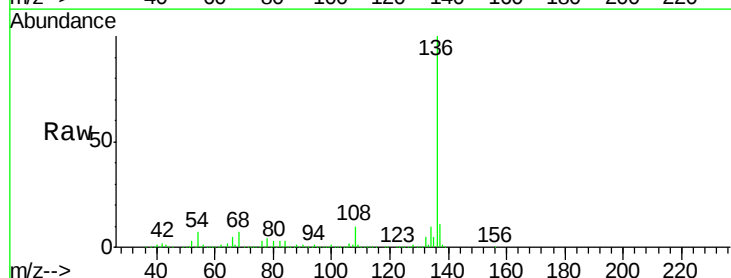
Ion Ratio Lower Upper

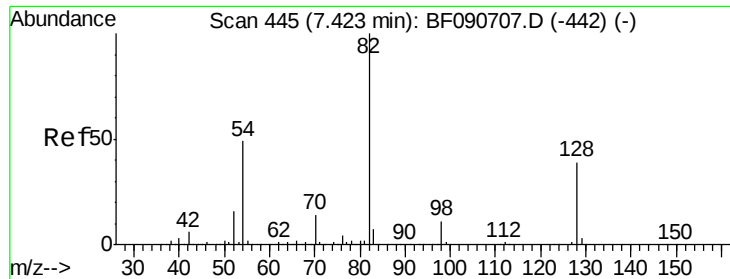
136 100

137 11.2 9.0 13.6

54 7.2 8.2 12.2#

68 6.6 5.8 8.6

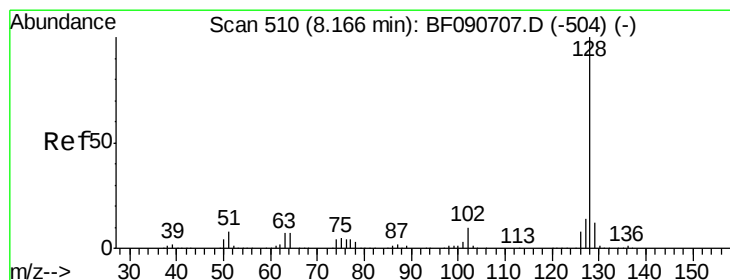
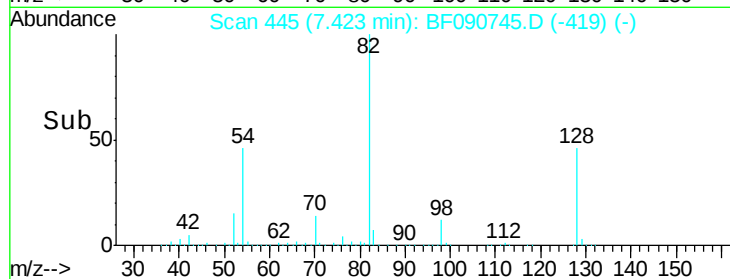
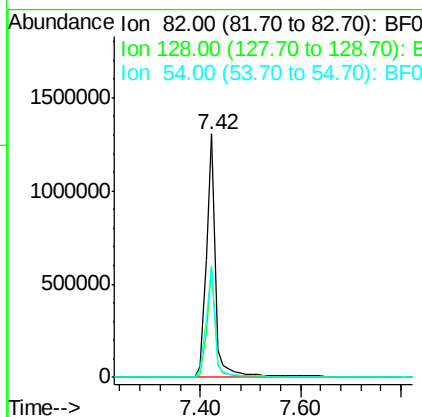
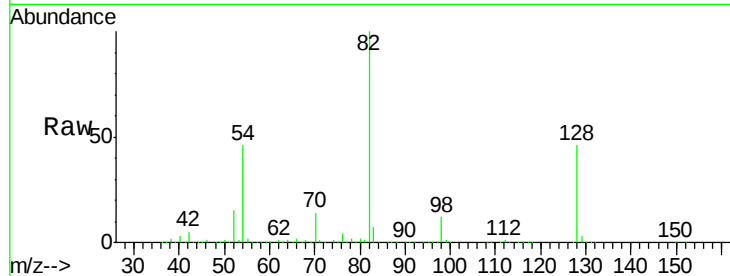




#23
Nitrobenzene-d5
Concen: 86.07 ng
RT: 7.42 min Scan# 445
Delta R.T. -0.00 min
Lab File: BF090745.D
Acq: 22 Oct 2016 7:24

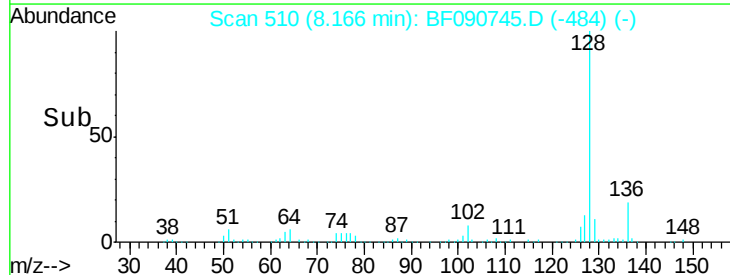
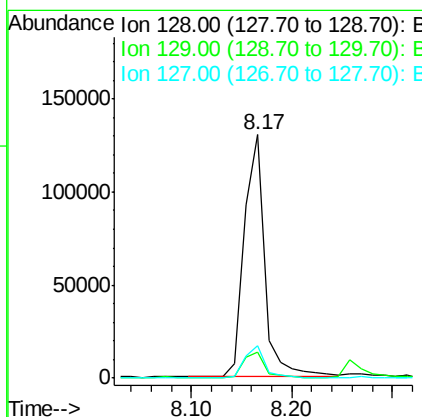
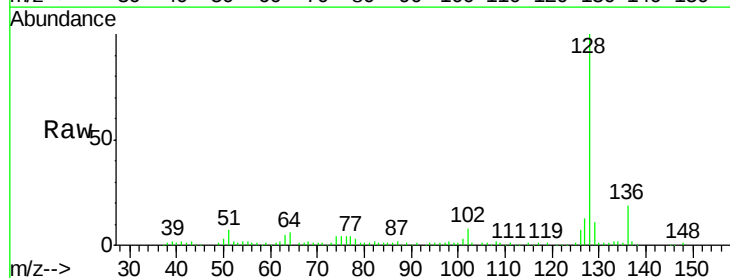
Instrument :
BNA_F
ClientSampleId :
MW-103S

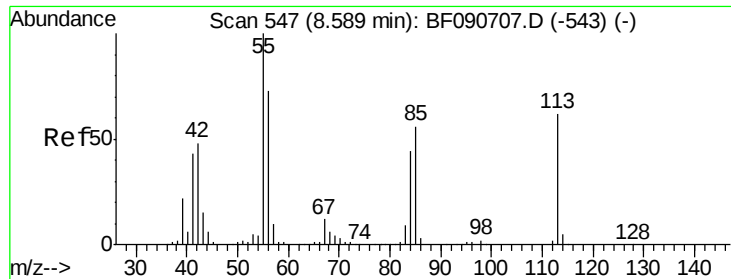
Tot Ion: 82 Resp: 1681903
Ion Ratio Lower Upper
82 100
128 45.5 51.0 76.6#
54 46.1 47.5 71.3#



#31
Naphthalene
Concen: 3.52 ng
RT: 8.17 min Scan# 510
Delta R.T. -0.00 min
Lab File: BF090745.D
Acq: 22 Oct 2016 7:24

Tgt Ion:128 Resp: 184733
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 13.2 9.9 14.9

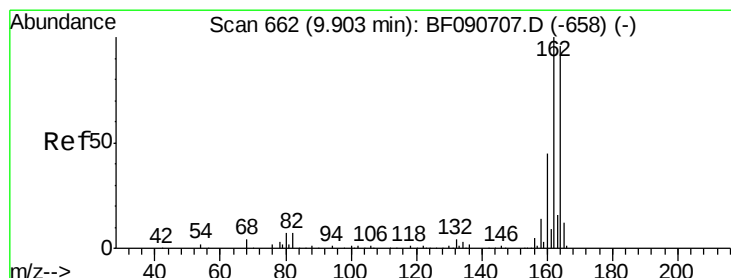
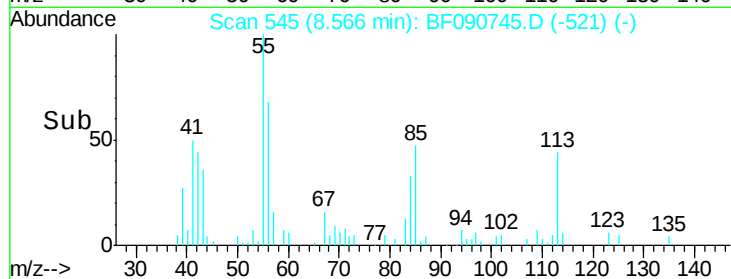
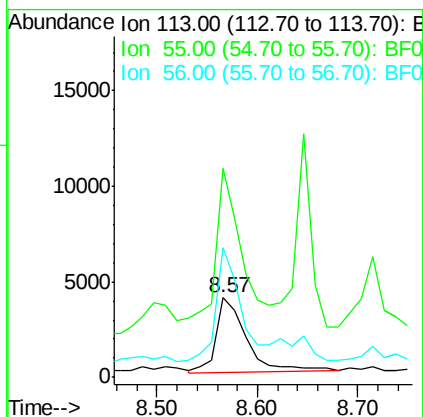
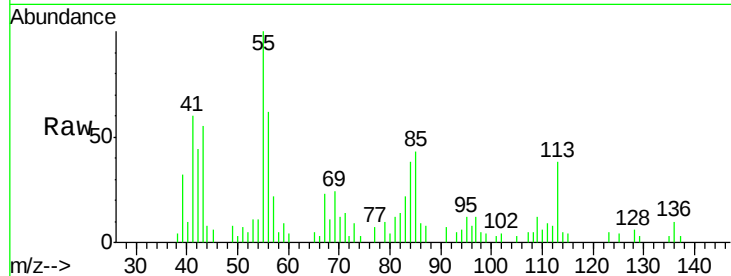




#35
 Caprolactam
 Concen: 2.30 ng
 RT: 8.57 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF090745.D
 Acq: 22 Oct 2016 7:24

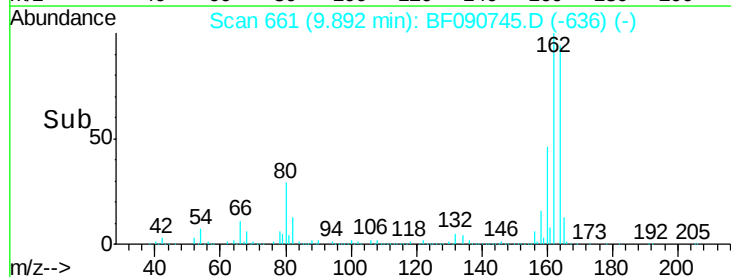
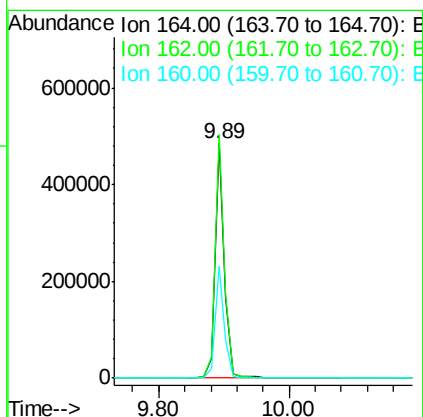
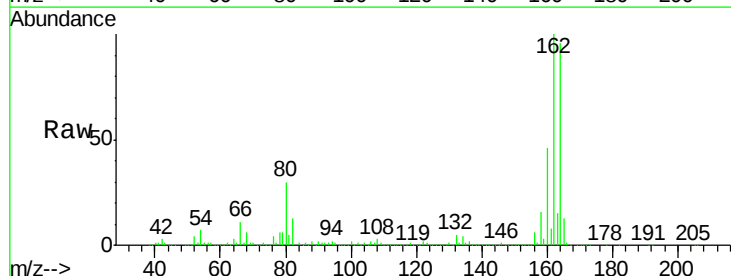
Instrument :
 BNA_F
 ClientSampleId :
 MW-103S

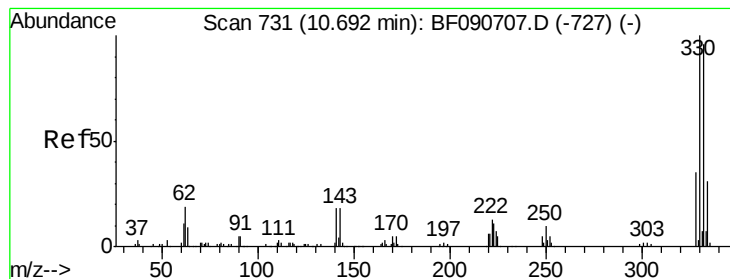
Tot Ion:113 Resp: 8262
 Ion Ratio Lower Upper
 113 100
 55 263.9 152.4 192.4#
 56 163.0 104.6 144.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: BF090745.D
 Acq: 22 Oct 2016 7:24

Tgt Ion:164 Resp: 493583
 Ion Ratio Lower Upper
 164 100
 162 103.9 75.2 112.8
 160 47.8 31.5 47.3#





#41

2,4,6-Tribromophenol

Concen: 163.34 ng

RT: 10.69 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

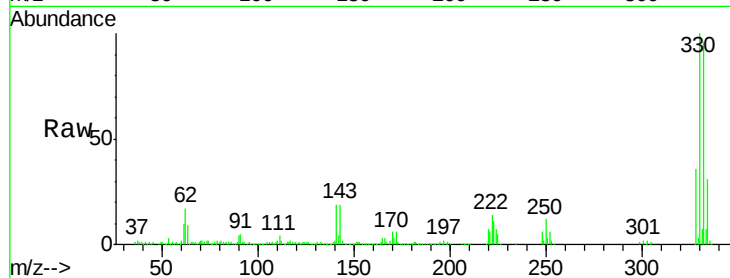
Tot Ion:330 Resp: 638119

Ion Ratio Lower Upper

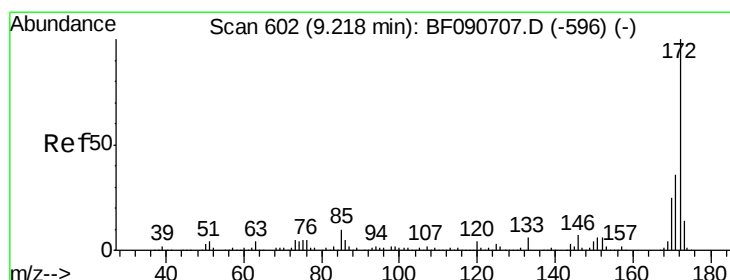
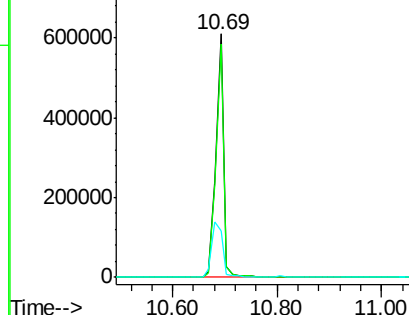
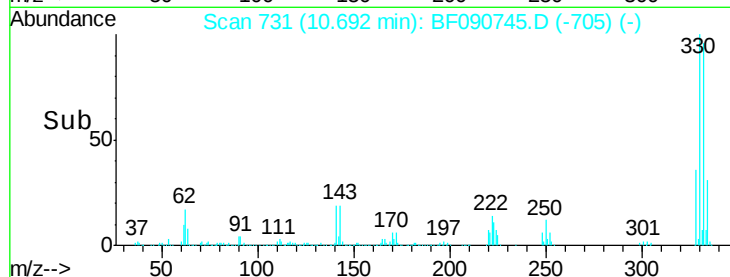
330 100

332 95.8 76.6 114.8

141 31.2 29.7 44.5



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: 80.45 ng

RT: 9.22 min Scan# 602

Delta R.T. -0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

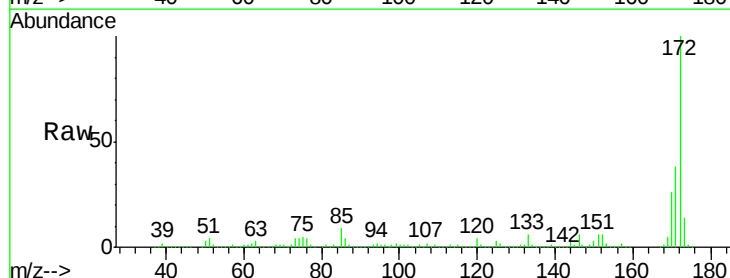
Tgt Ion:172 Resp: 2558003

Ion Ratio Lower Upper

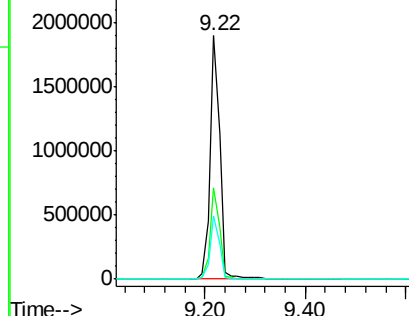
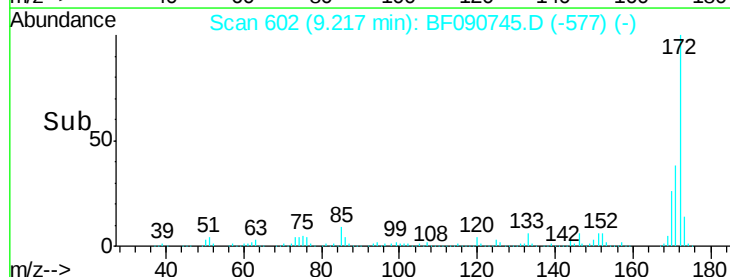
172 100

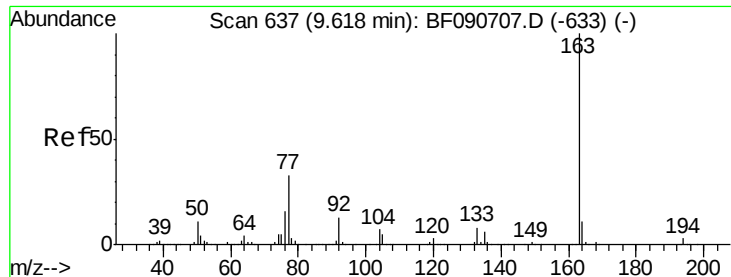
171 37.7 26.1 39.1

170 25.7 17.4 26.2



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: 6.84 ng

RT: 9.62 min Scan# 637

Delta R.T. -0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

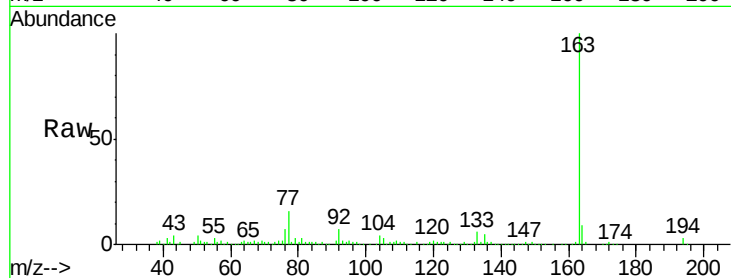
Tot Ion:163 Resp: 212215

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

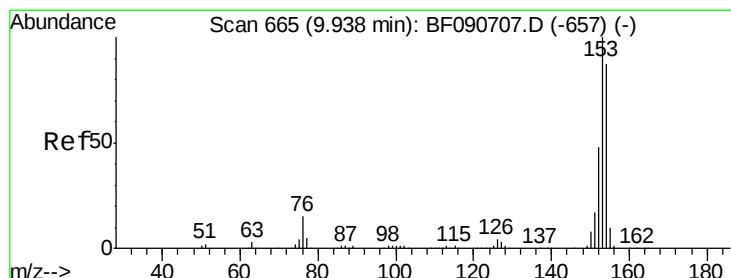
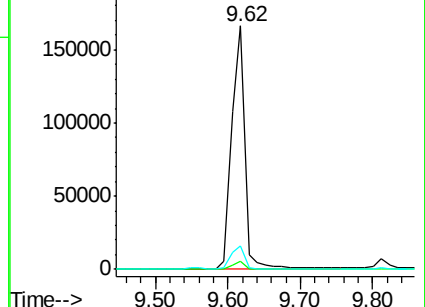
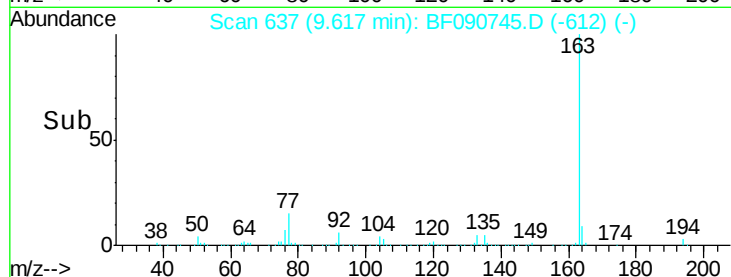
164 9.5 8.3 12.5



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



#51

Acenaphthene

Concen: 5.76 ng

RT: 9.93 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

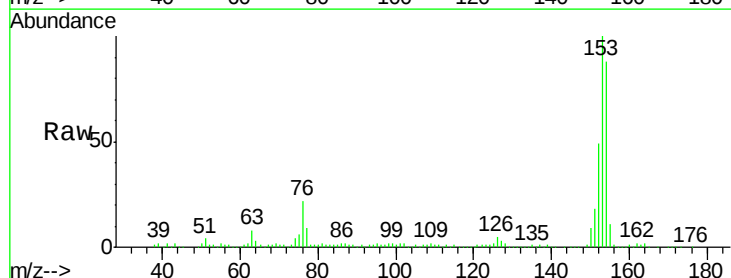
Tgt Ion:154 Resp: 167979

Ion Ratio Lower Upper

154 100

153 113.2 82.1 123.1

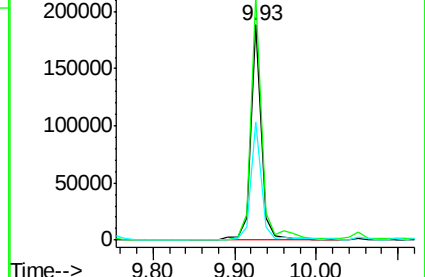
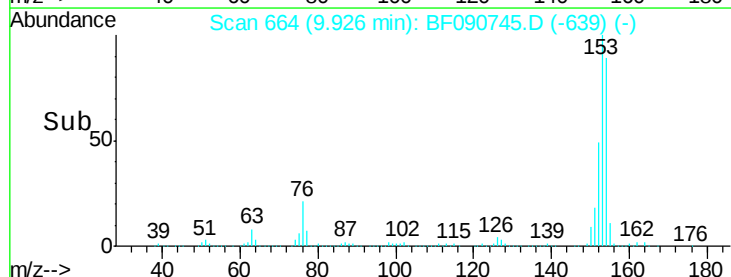
152 55.1 37.9 56.9

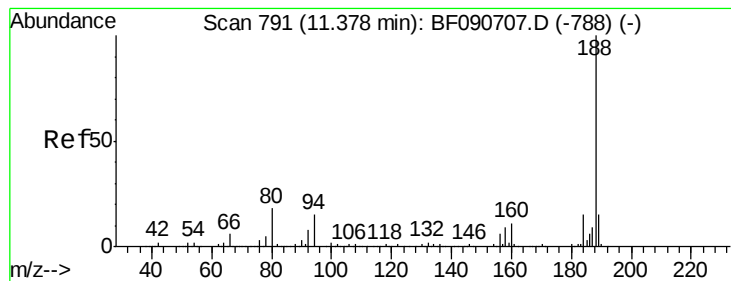


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

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MW-103S

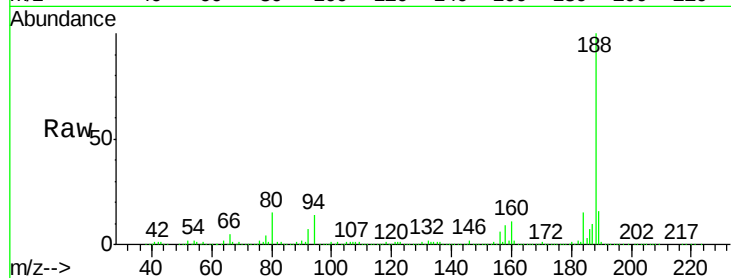
Tot Ion:188 Resp: 765711

Ion Ratio Lower Upper

188 100

94 13.6 11.1 16.7

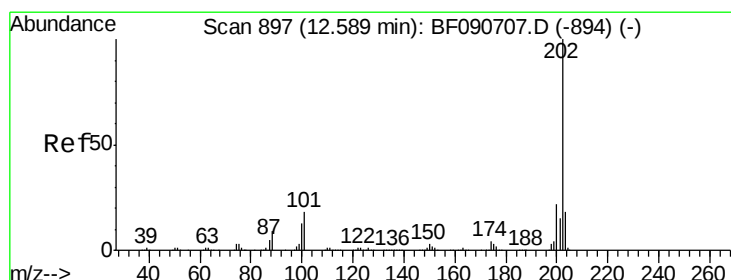
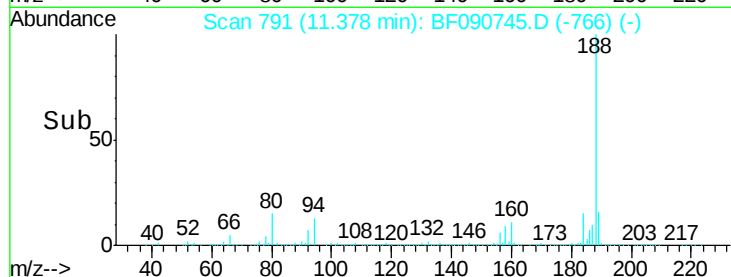
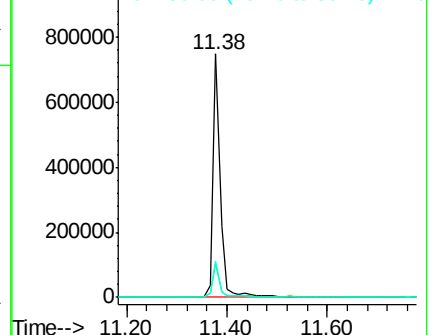
80 15.1 11.0 16.4



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



#74

Fluoranthene

Concen: 2.51 ng

RT: 12.59 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

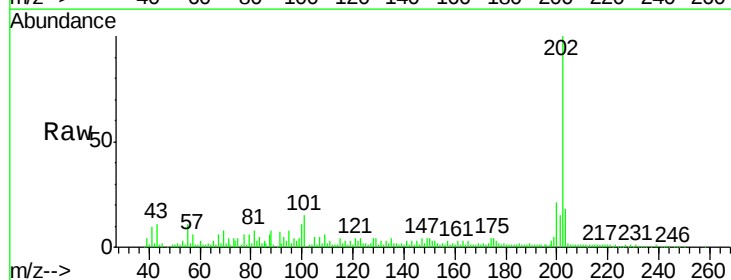
Tgt Ion:202 Resp: 94590

Ion Ratio Lower Upper

202 100

101 15.4 0.0 38.3

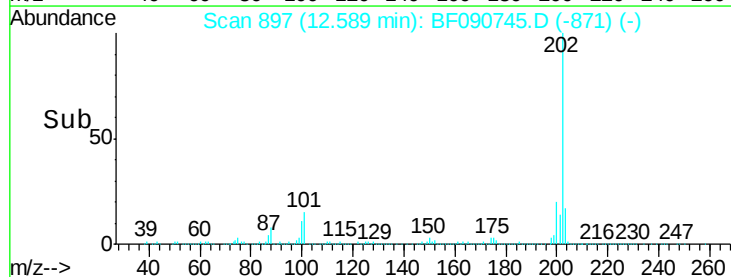
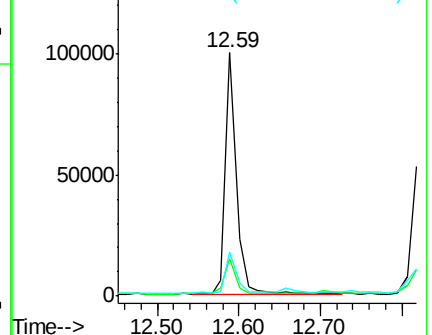
203 17.8 0.0 37.3

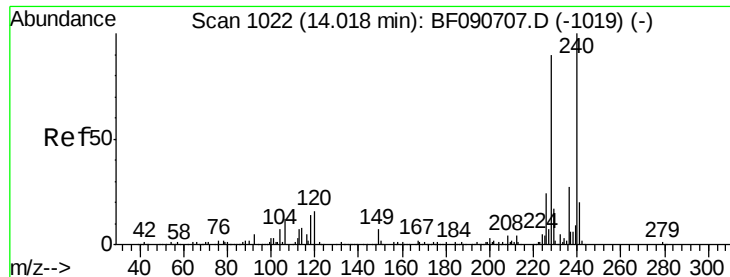


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

Instrument :

BNA_F

ClientSampleId :

MW-103S

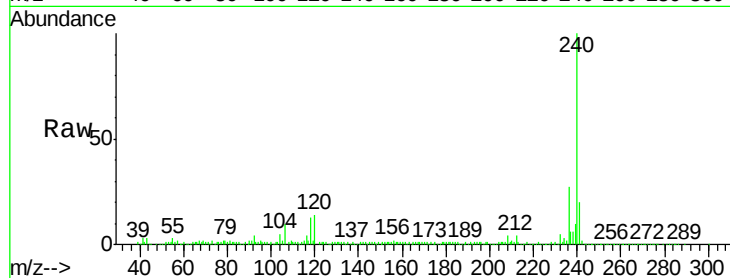
Tot Ion:240 Resp: 459752

Ion Ratio Lower Upper

240 100

120 14.3 16.2 24.2#

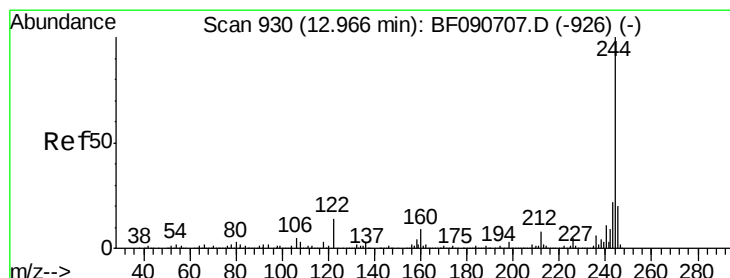
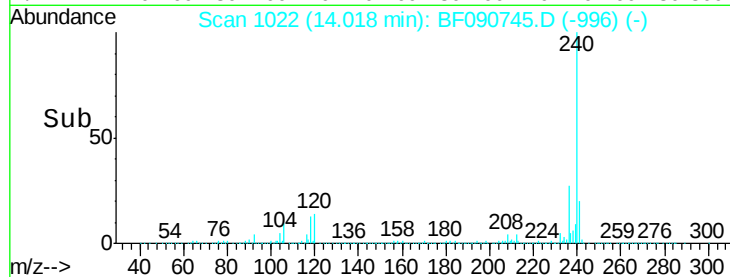
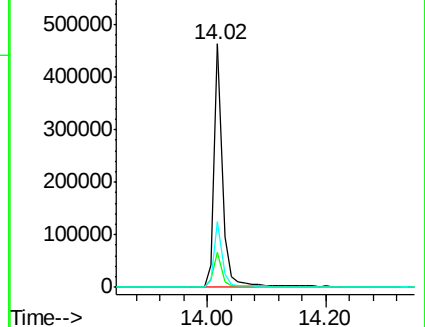
236 27.2 18.4 27.6



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



#78

Terphenyl-d14

Concen: 95.76 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090745.D

Acq: 22 Oct 2016 7:24

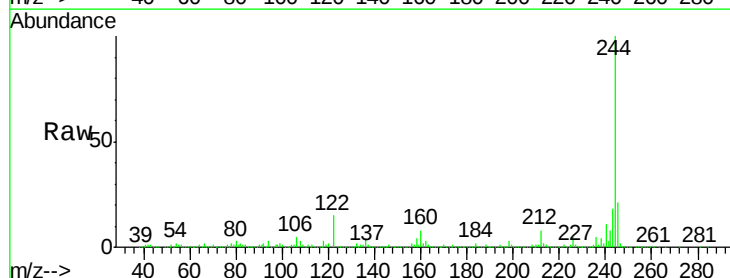
Tgt Ion:244 Resp: 1920869

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

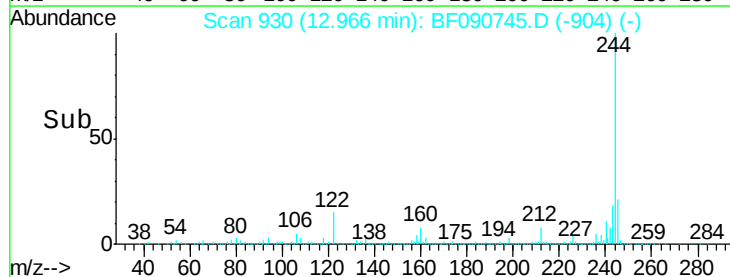
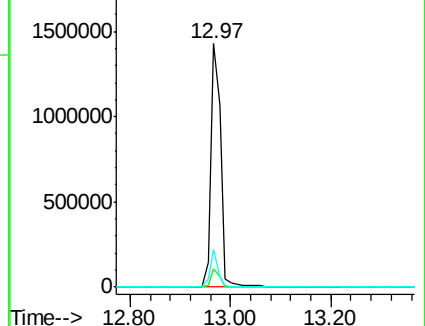
122 15.3 17.4 26.2#

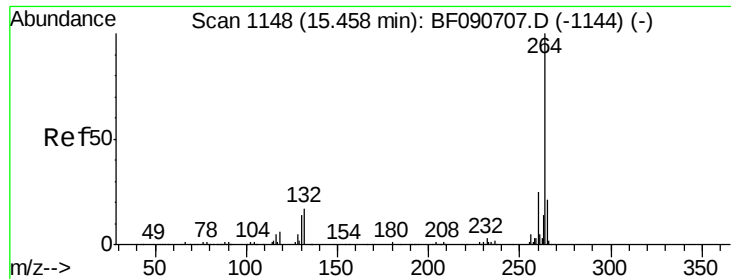


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF090745.D
Acq: 22 Oct 2016 7:24

Instrument :
BNA_F
ClientSampleId :
MW-103S

Tot Ion:264 Resp: 383230

Ion	Ratio	Lower	Upper
264	100		
260	24.5	16.7	25.1
265	21.7	17.2	25.8

