

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041317\
 Data File : BF094420.D
 Acq On : 14 Apr 2017 9:06
 Operator : SJ/MA
 Sample : I2672-03DL 200X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z9-ESWDL

Quant Time: Apr 14 10:23:28 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

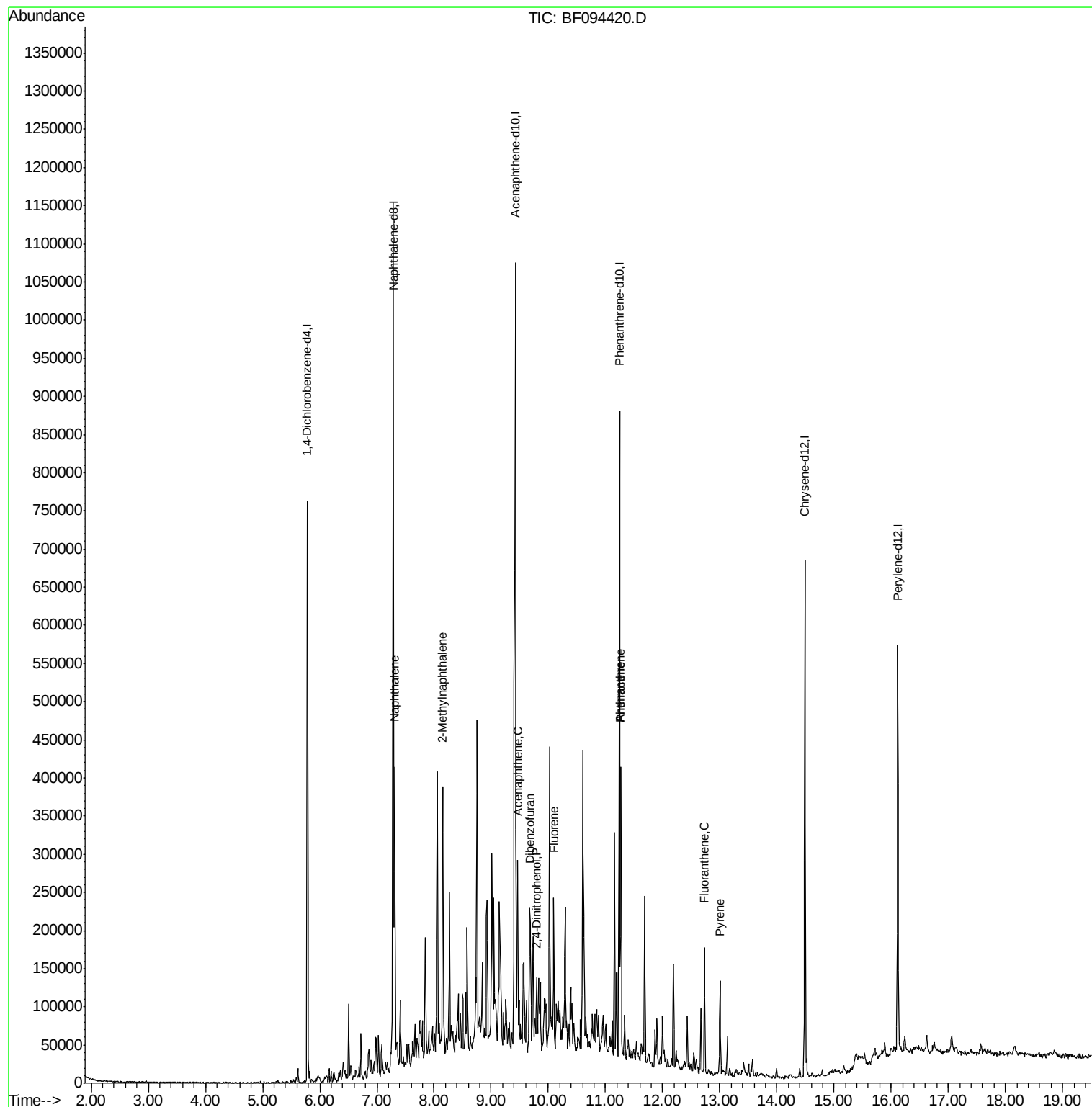
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	132064	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	513729	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	215974	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	333481	20.00	ng	-0.05
75) Chrysene-d12	14.49	240	258849	20.00	ng	-0.06
86) Perylene-d12	16.12	264	195925	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	376	0.05	ng	-0.04
7) Phenol-d6	5.42	99	579	0.06	ng	-0.05
23) Nitrobenzene-d5	6.43	82	795	0.09	ng	-0.06
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.60	172	1695	0.12	ng	-0.05
78) Terphenyl-d14	13.22	244	963	0.08	ng	-0.06
Target Compounds						
31) Naphthalene	7.31	128	76942	3.11	ng	Qvalue 98
37) 2-Methylnaphthalene	8.15	142	96369	5.85	ng	98
51) Acenaphthene	9.46	154	44828	3.39	ng	97
53) 2,4-Dinitrophenol	9.79	184	138	4.73	ng	# 4
54) Dibenzofuran	9.67	168	48150	2.67	ng	99
57) Fluorene	10.10	166	45667	3.06	ng	95
70) Phenanthrene	11.27	178	165483	8.92	ng	98
71) Anthracene	11.27	178	165483	8.66	ng	98
74) Fluoranthene	12.73	202	69790	3.67	ng	99
77) Pyrene	13.01	202	49505	2.64	ng	98

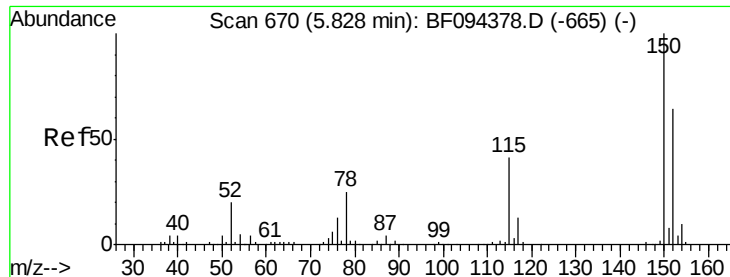
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.79 min Scan# 663

Delta R.T. -0.04 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

Instrument :

BNA_F

ClientSampled :

E2-Z9-ESWDL

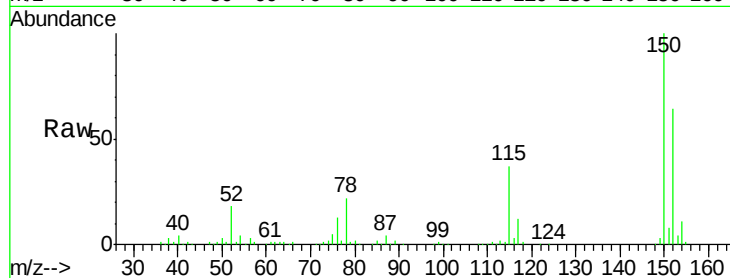
Tgt Ion:152 Resp: 132064

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

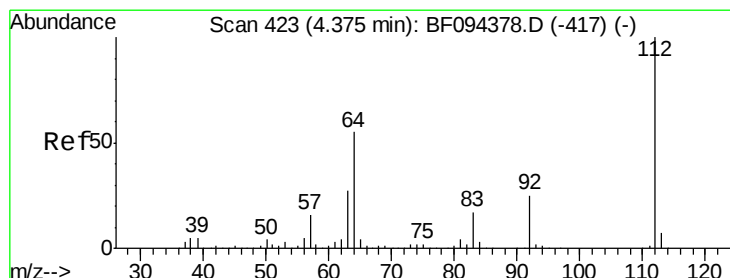
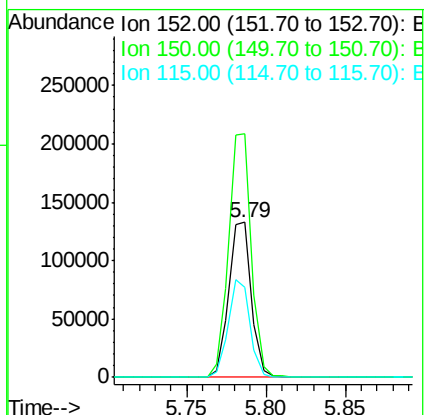
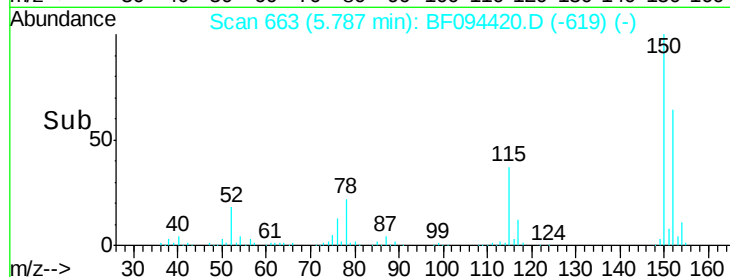
115 57.9 52.2 78.2



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: 0.05 ng

RT: 4.34 min Scan# 417

Delta R.T. -0.04 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

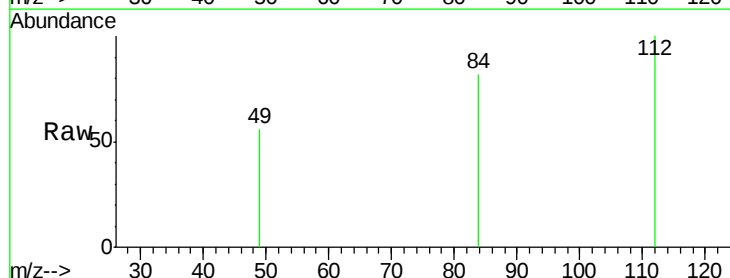
Tgt Ion:112 Resp: 376

Ion Ratio Lower Upper

112 100

64 0.0 46.0 69.0#

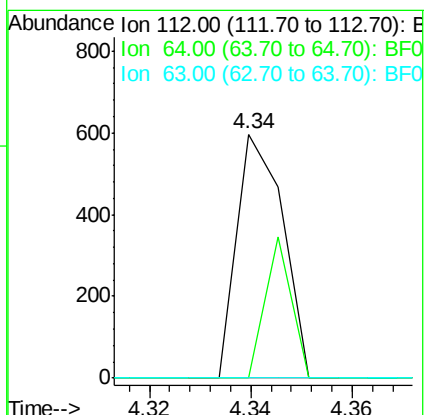
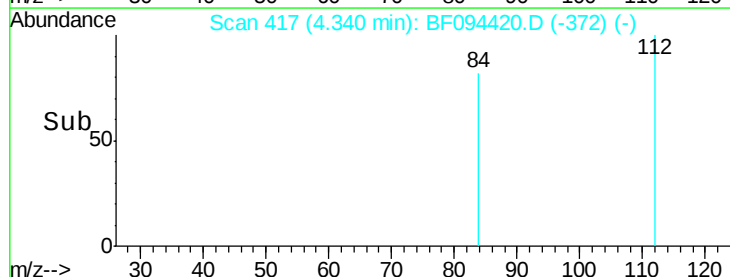
63 0.0 23.4 35.0#

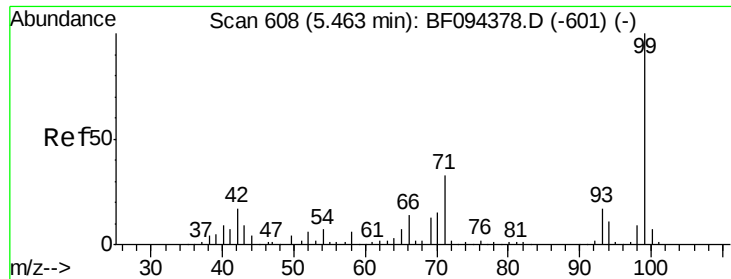


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.06 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.05 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

Instrument :

BNA_F

ClientSampleId :

E2-Z9-ESWDL

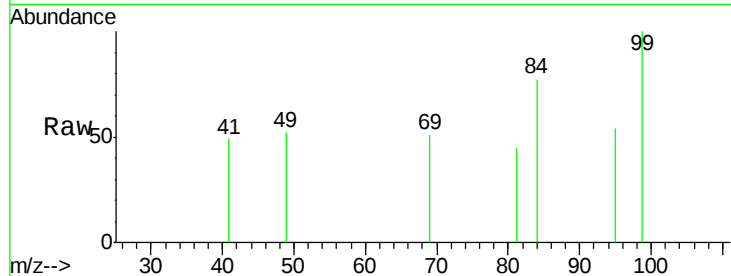
Tgt Ion: 99 Resp: 579

Ion Ratio Lower Upper

99 100

42 0.0 13.5 20.3#

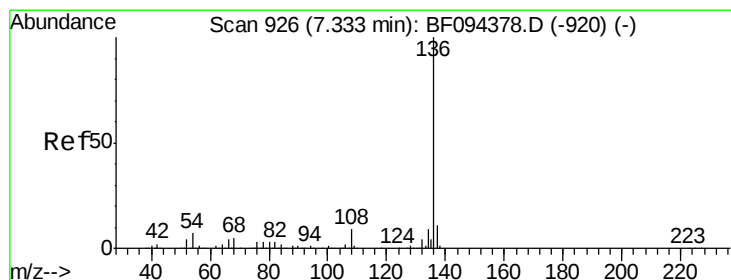
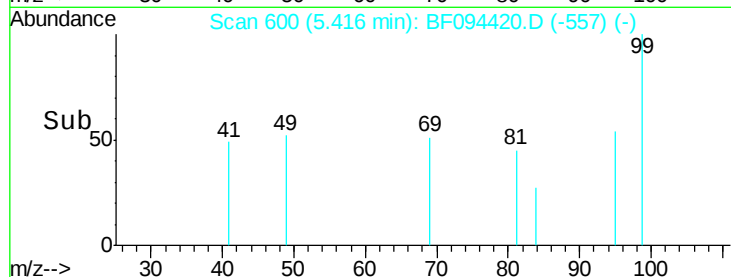
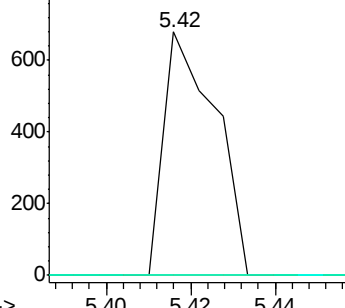
71 0.0 24.5 36.7#



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: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

Tgt Ion: 136 Resp: 513729

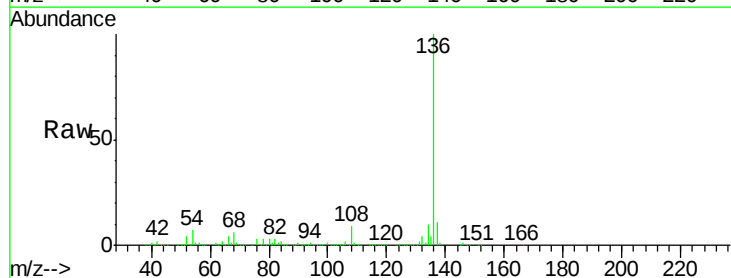
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.4 4.9 7.3#

68 5.7 4.1 6.1

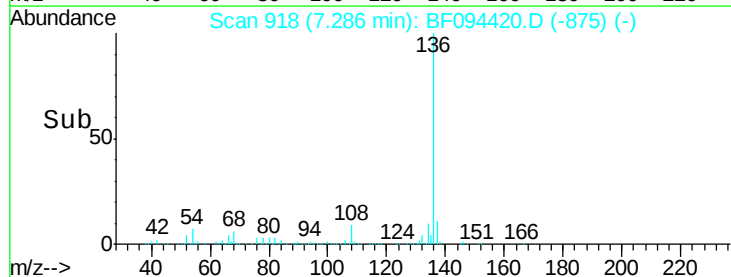
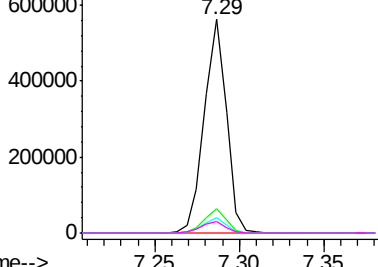


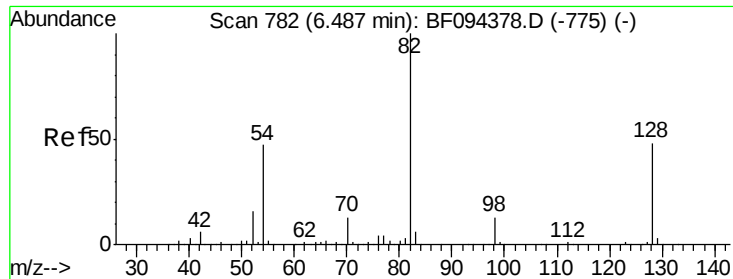
Abundance Ion 136.00 (135.70 to 136.70): E

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

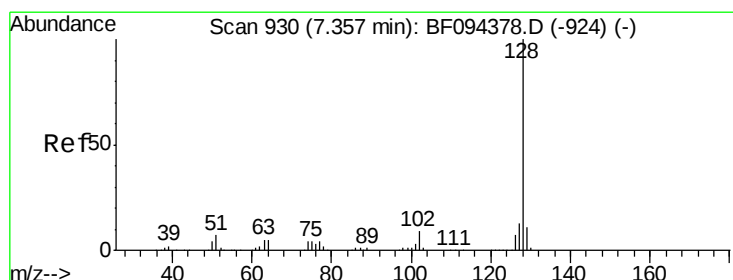
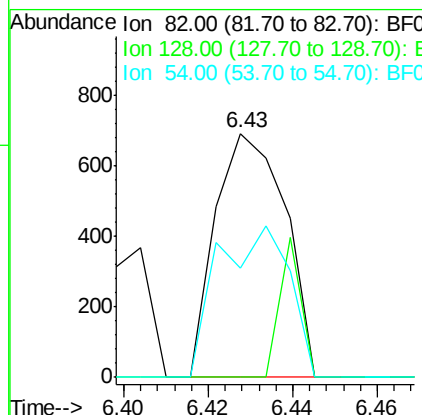
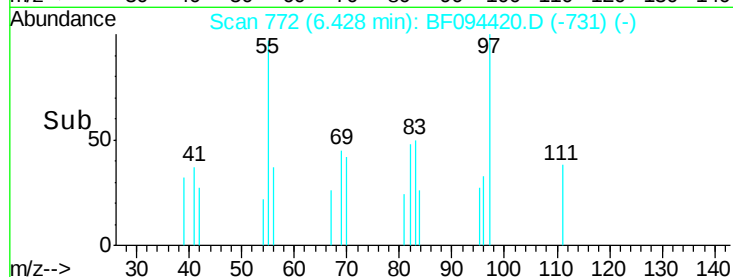
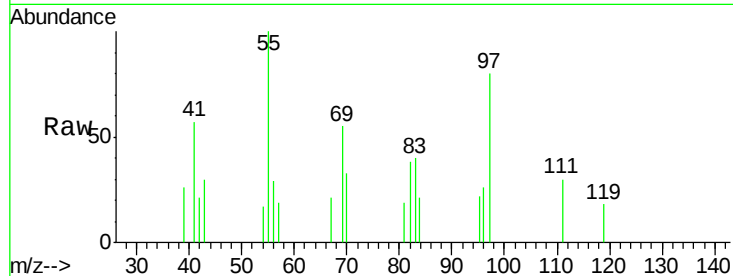




#23
 Nitrobenzene-d5
 Concen: 0.09 ng
 RT: 6.43 min Scan# 772
 Delta R.T. -0.06 min
 Lab File: BF094420.D
 Acq: 14 Apr 2017 9:06

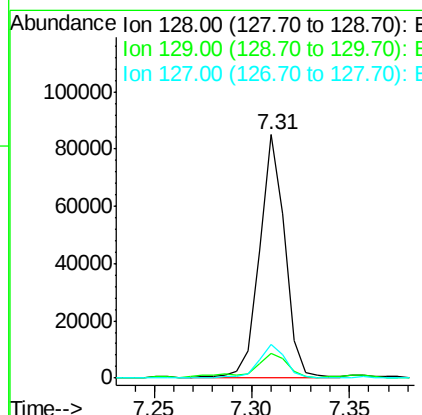
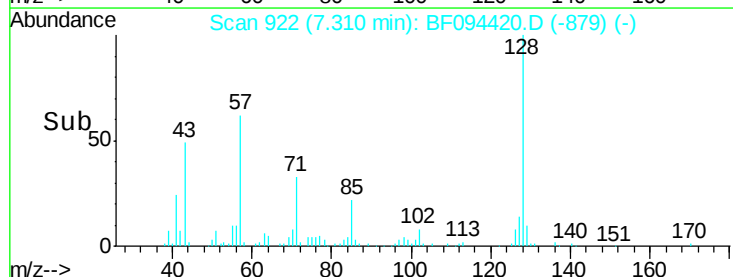
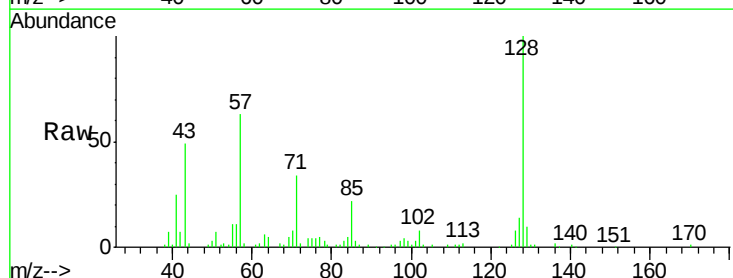
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z9-ESWDL

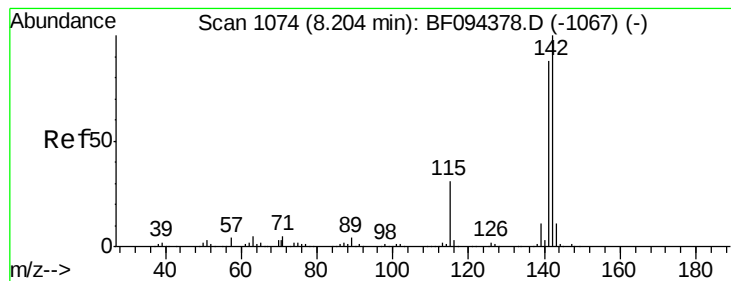
Tgt Ion: 82 Resp: 795
 Ion Ratio Lower Upper
 82 100
 128 0.0 34.0 51.0#
 54 44.9 42.2 63.2



#31
 Naphthalene
 Concen: 3.11 ng
 RT: 7.31 min Scan# 922
 Delta R.T. -0.05 min
 Lab File: BF094420.D
 Acq: 14 Apr 2017 9:06

Tgt Ion: 128 Resp: 76942
 Ion Ratio Lower Upper
 128 100
 129 10.1 9.0 13.6
 127 14.1 10.8 16.2





#37

2-Methylnaphthalene

Concen: 5.85 ng

RT: 8.15 min Scan# 1065

Delta R.T. -0.05 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

Instrument :

BNA_F

ClientSampleId :

E2-Z9-ESWDL

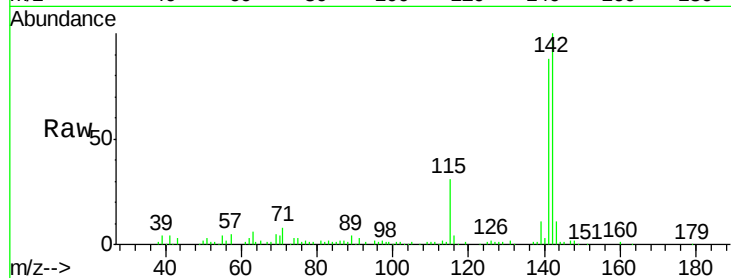
Tgt Ion:142 Resp: 96369

Ion Ratio Lower Upper

142 100

141 88.3 71.3 106.9

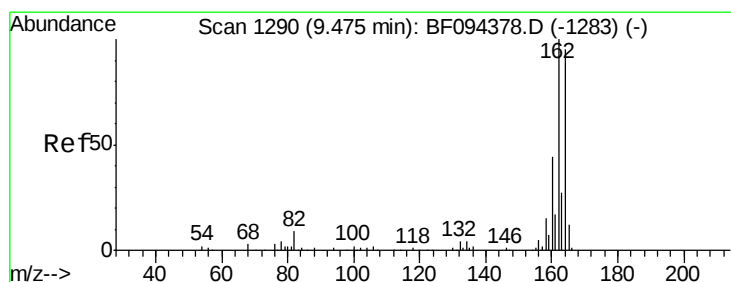
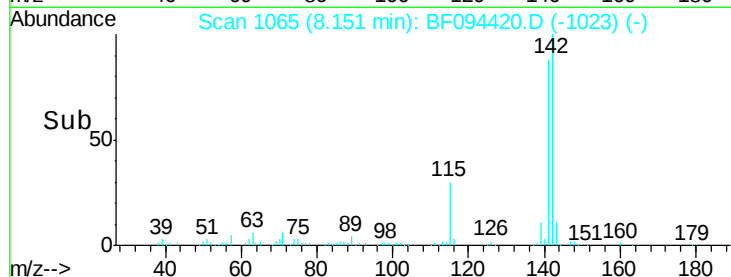
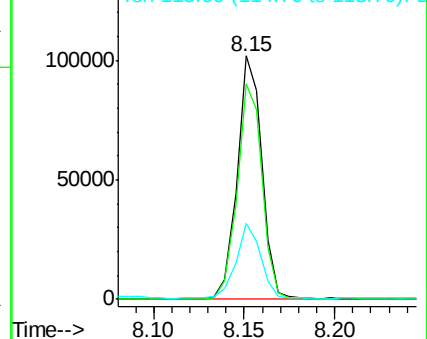
115 31.3 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1281

Delta R.T. -0.05 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

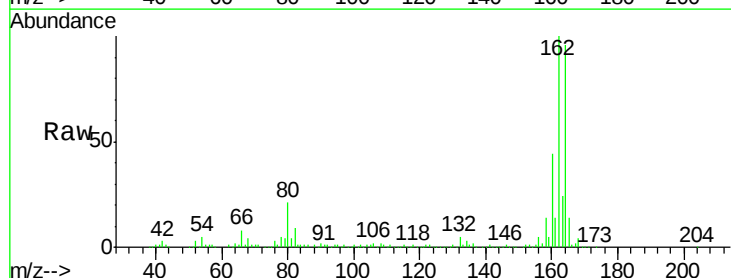
Tgt Ion:164 Resp: 215974

Ion Ratio Lower Upper

164 100

162 104.1 82.6 123.8

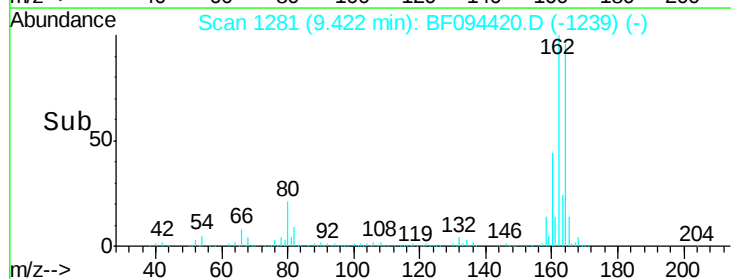
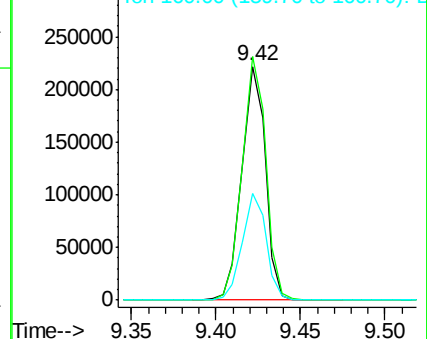
160 45.4 36.2 54.2

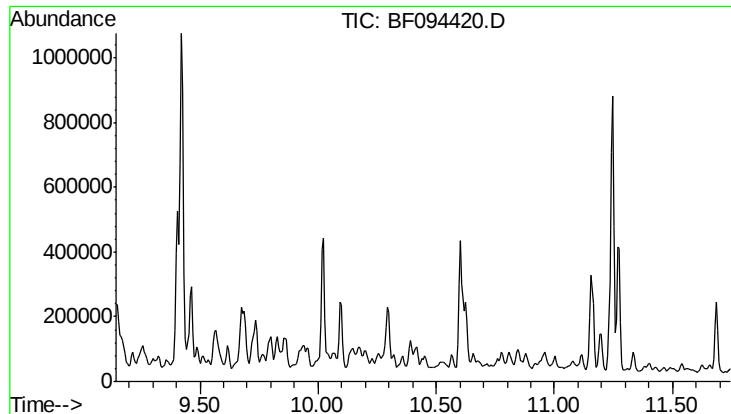


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

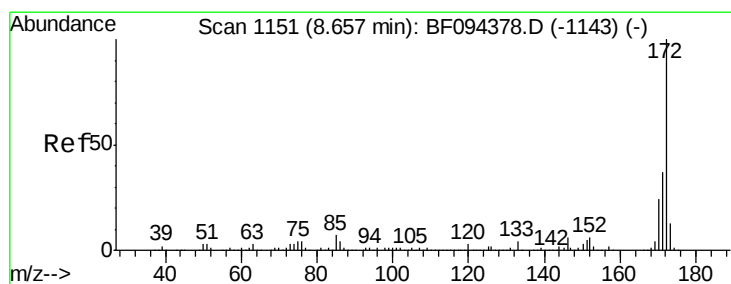
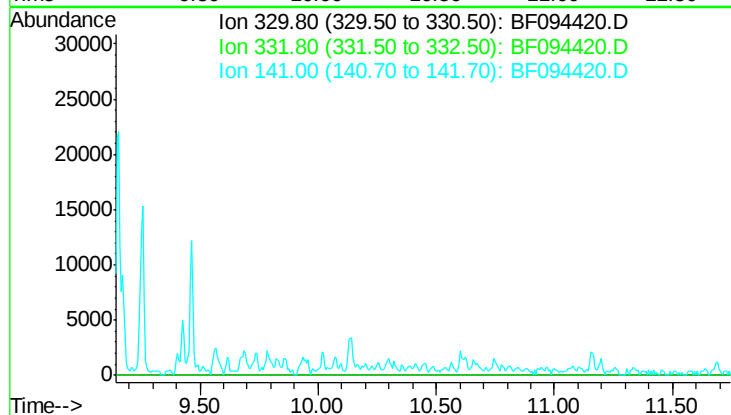




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.45 min
 Lab File: BF094420.D
 Acq: 14 Apr 2017 9:06

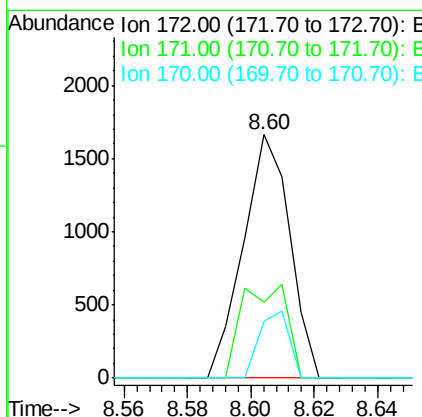
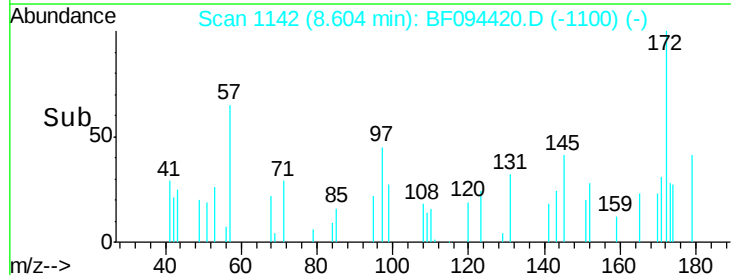
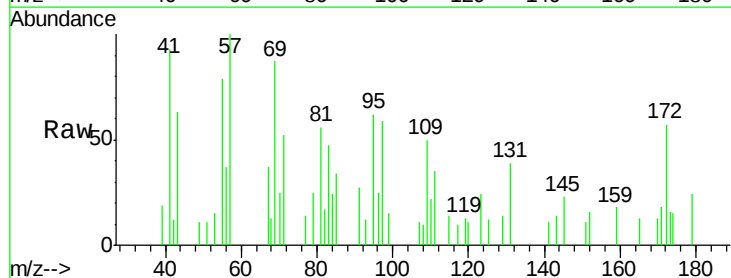
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z9-ESWDL

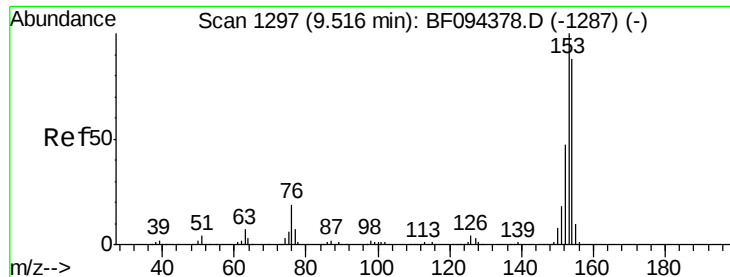
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3



#44
 2-Fluorobiphenyl
 Concen: 0.12 ng
 RT: 8.60 min Scan# 1142
 Delta R.T. -0.05 min
 Lab File: BF094420.D
 Acq: 14 Apr 2017 9:06

Tgt Ion: 172 Resp: 1695
 Ion Ratio Lower Upper
 172 100
 171 31.4 29.6 44.4
 170 23.3 19.8 29.8





#51

Acenaphthene

Concen: 3.39 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.05 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

Instrument :

BNA_F

ClientSampleId :

E2-Z9-ESWDL

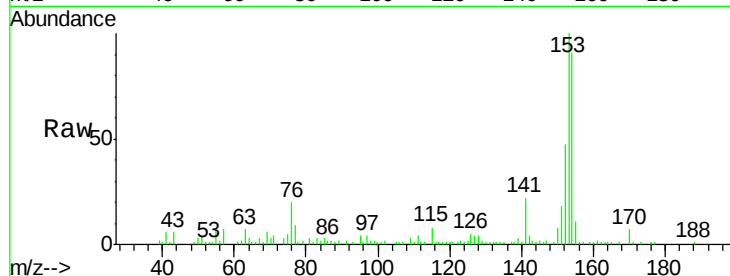
Tgt Ion:154 Resp: 44828

Ion Ratio Lower Upper

154 100

153 110.2 90.5 135.7

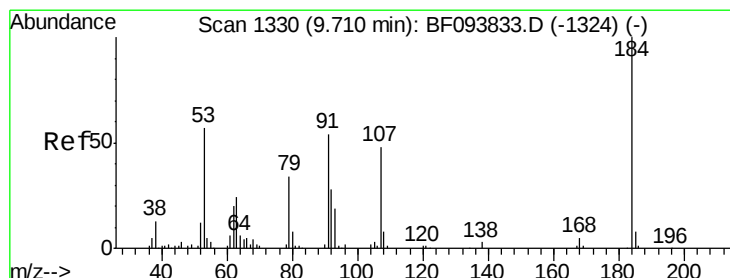
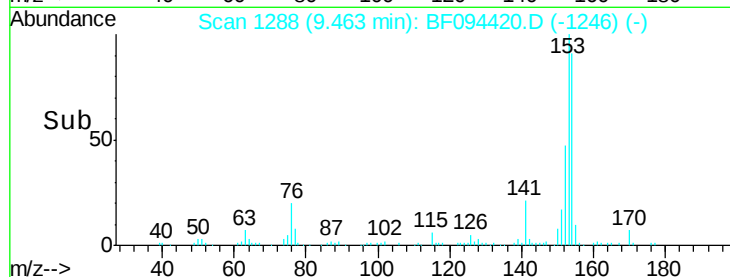
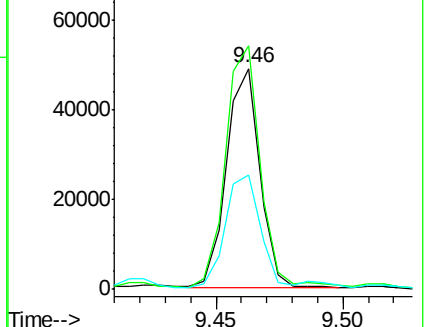
152 51.9 43.6 65.4



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



#53

2,4-Dinitrophenol

Concen: 4.73 ng

RT: 9.79 min Scan# 1343

Delta R.T. 0.19 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

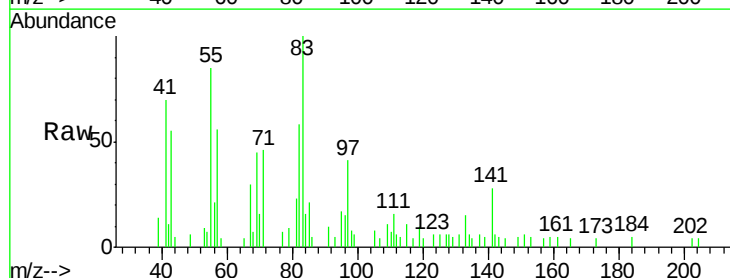
Tgt Ion:184 Resp: 138

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

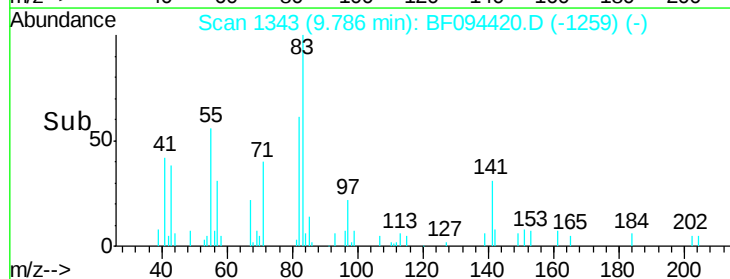
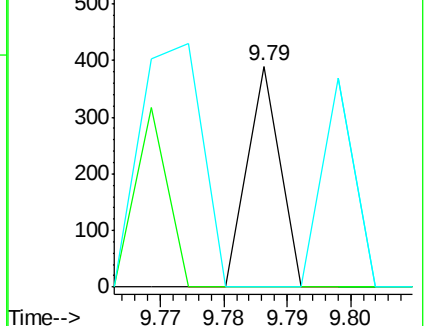
154 0.0 81.1 121.7#

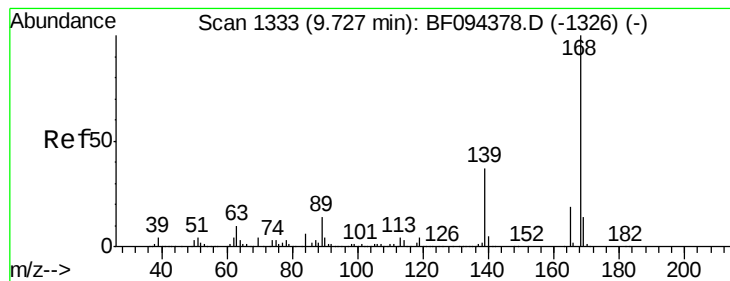


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 2.67 ng

RT: 9.67 min Scan# 1324

Delta R.T. -0.05 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

Instrument :

BNA_F

ClientSampleId :

E2-Z9-ESWDL

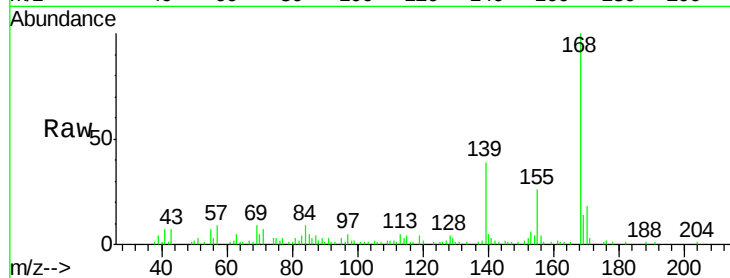
Tgt Ion:168 Resp: 48150

Ion Ratio Lower Upper

168 100

139 38.7 30.6 45.8

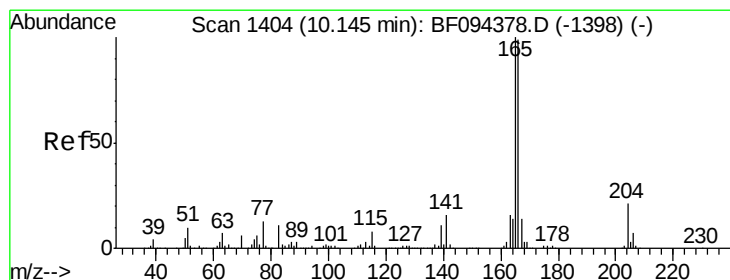
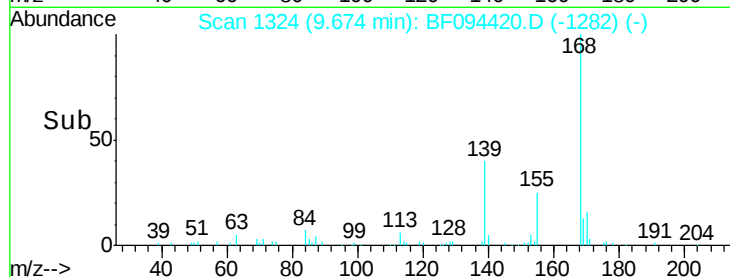
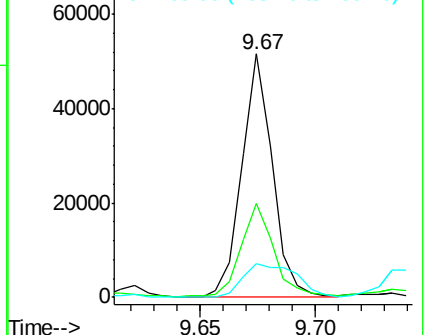
169 13.7 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.06 ng

RT: 10.10 min Scan# 1396

Delta R.T. -0.05 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

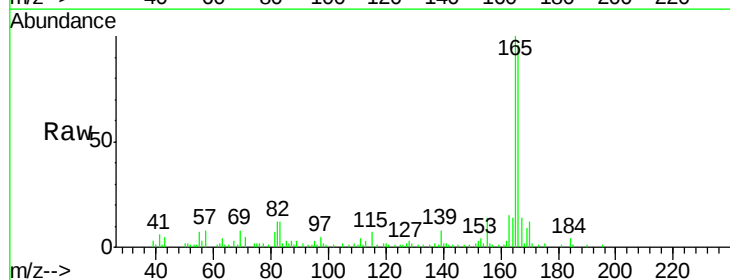
Tgt Ion:166 Resp: 45667

Ion Ratio Lower Upper

166 100

165 103.9 78.8 118.2

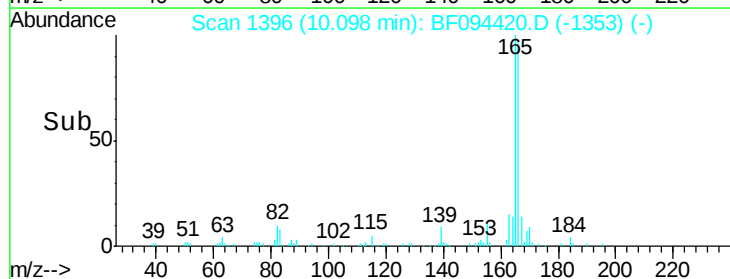
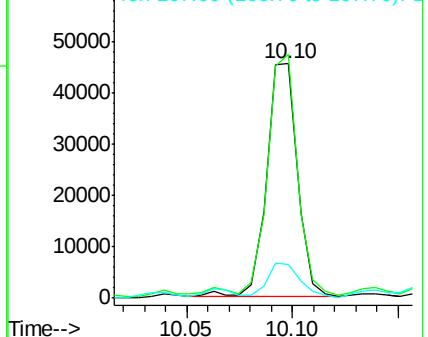
167 14.2 10.6 16.0

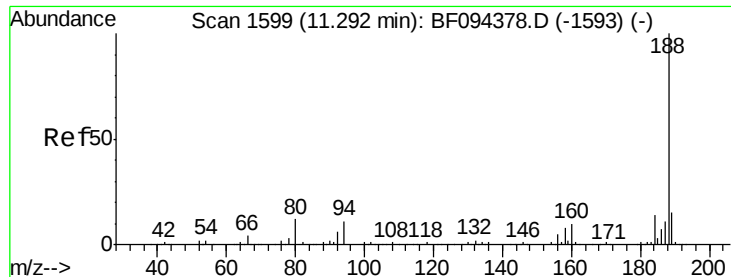


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

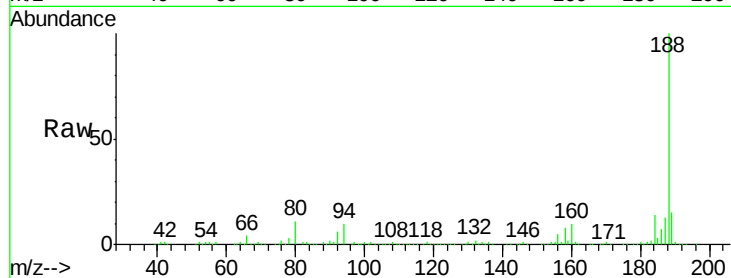




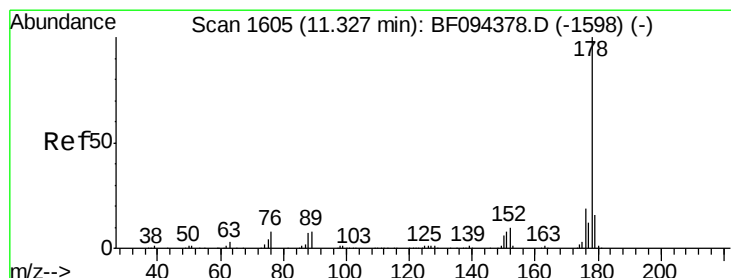
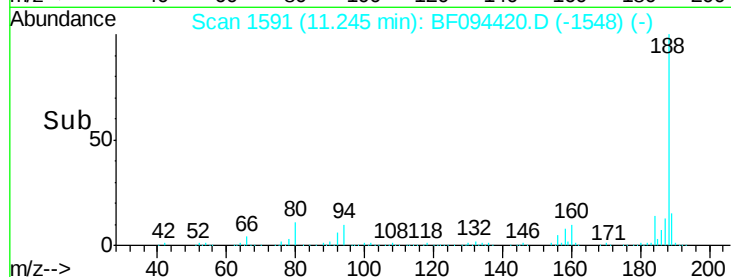
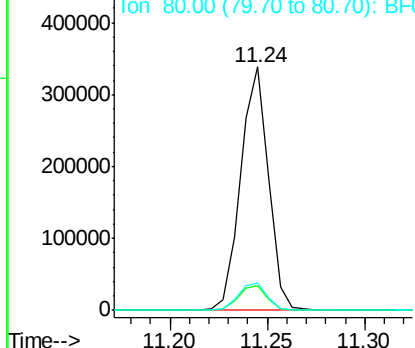
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1591
Delta R.T. -0.05 min
Lab File: BF094420.D
Acq: 14 Apr 2017 9:06

Instrument :
BNA_F
ClientSampleId :
E2-Z9-ESWDL

Tgt Ion:188 Resp: 333481
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 11.0 10.2 15.2

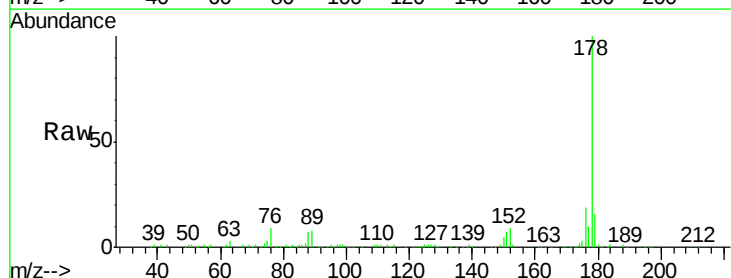


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

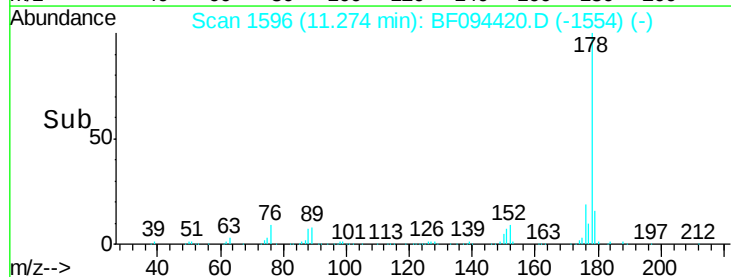
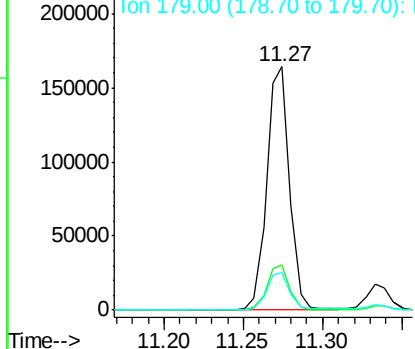


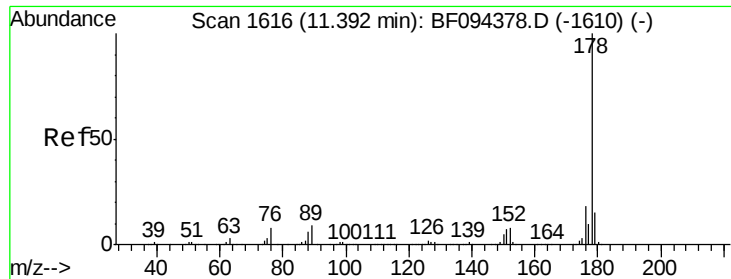
#70
Phenanthrene
Concen: 8.92 ng
RT: 11.27 min Scan# 1596
Delta R.T. -0.05 min
Lab File: BF094420.D
Acq: 14 Apr 2017 9:06

Tgt Ion:178 Resp: 165483
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.5 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

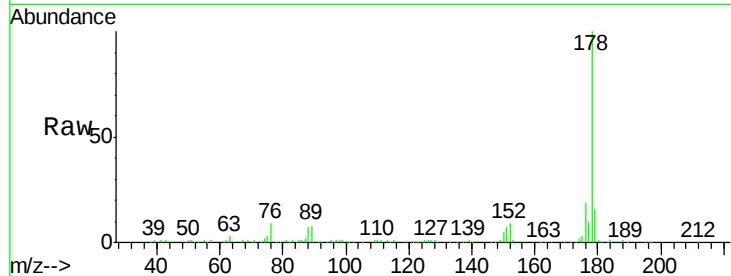




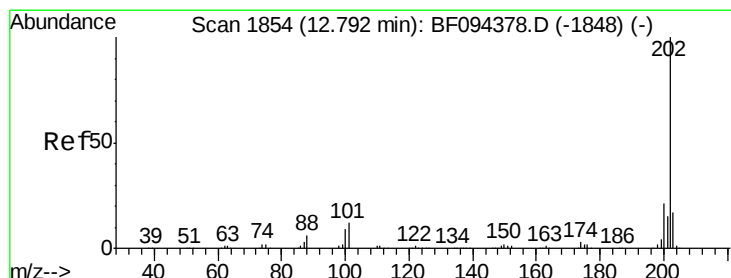
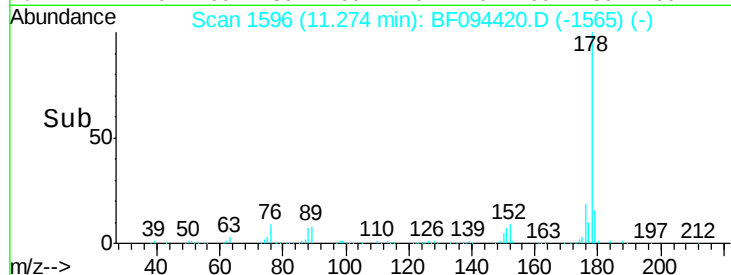
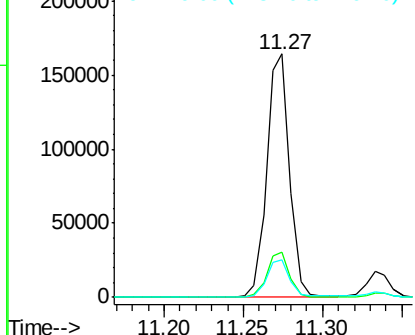
#71
 Anthracene
 Concen: 8.66 ng
 RT: 11.27 min Scan# 1596
 Delta R.T. -0.12 min
 Lab File: BF094420.D
 Acq: 14 Apr 2017 9:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z9-ESWDL

Tgt Ion:178 Resp: 165483
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.5 12.7 19.1

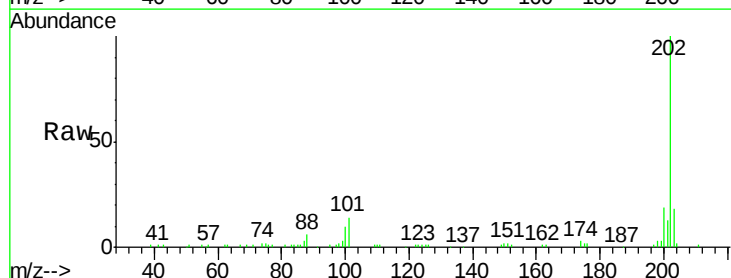


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

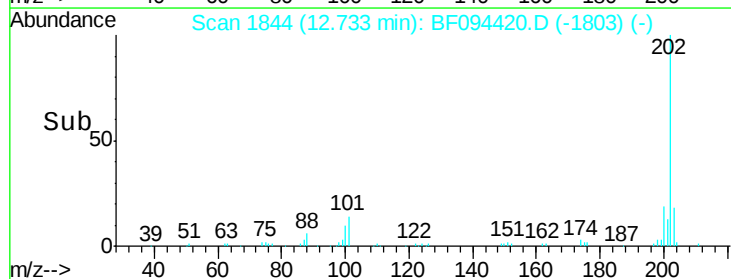
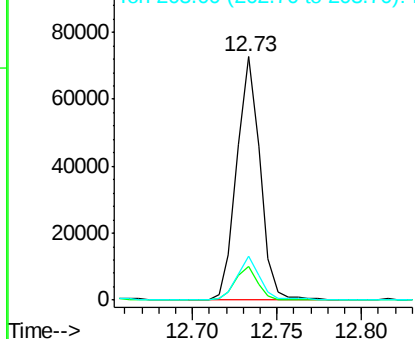


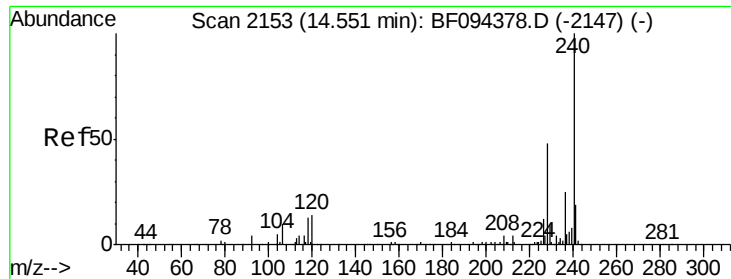
#74
 Fluoranthene
 Concen: 3.67 ng
 RT: 12.73 min Scan# 1844
 Delta R.T. -0.06 min
 Lab File: BF094420.D
 Acq: 14 Apr 2017 9:06

Tgt Ion:202 Resp: 69790
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 33.2
 203 18.0 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: 14.49 min Scan# 2143

Delta R.T. -0.06 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

Instrument :

BNA_F

ClientSampleId :

E2-Z9-ESWDL

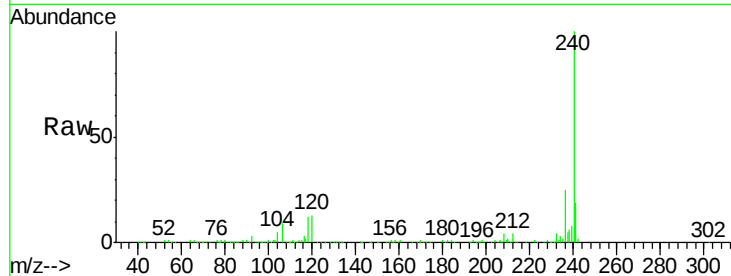
Tgt Ion:240 Resp: 258849

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

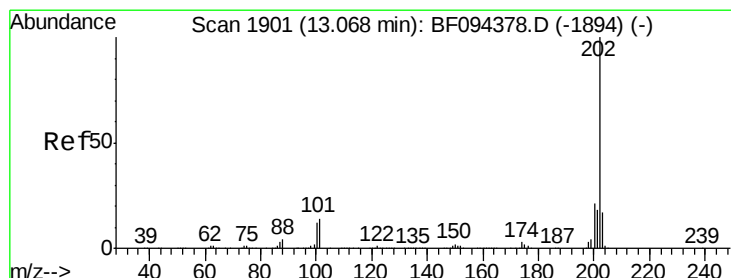
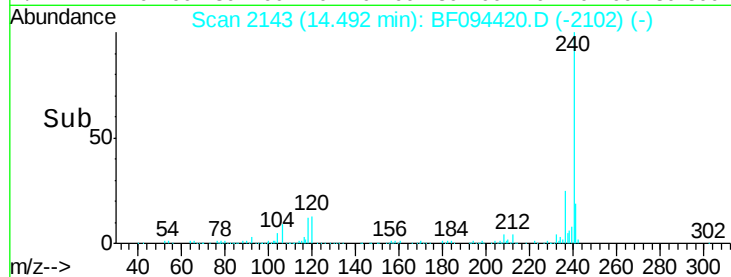
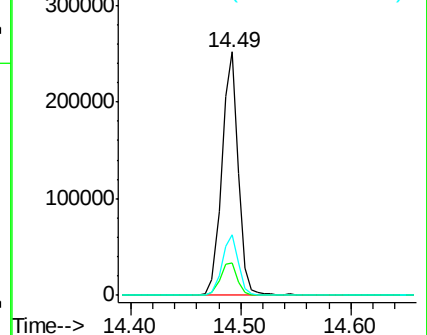
236 25.0 20.5 30.7



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: 2.64 ng

RT: 13.01 min Scan# 1891

Delta R.T. -0.06 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

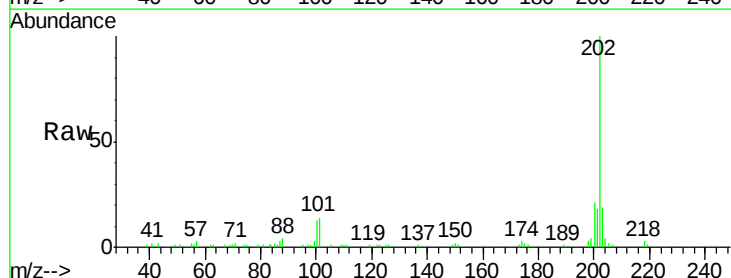
Tgt Ion:202 Resp: 49505

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

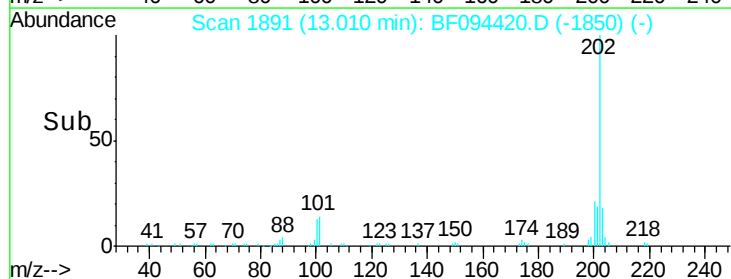
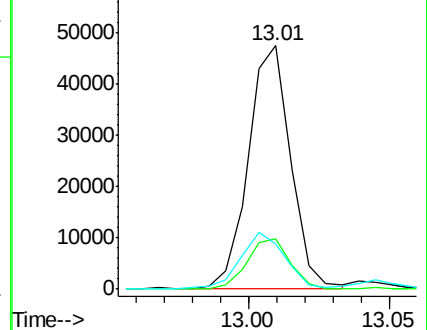
203 18.6 14.4 21.6

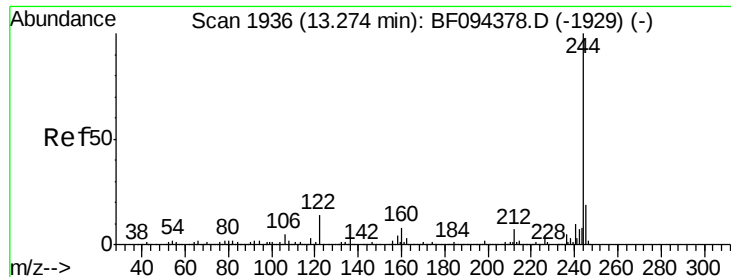


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.08 ng

RT: 13.22 min Scan# 1926

Delta R.T. -0.06 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

Instrument :

BNA_F

ClientSampleId :

E2-Z9-ESWDL

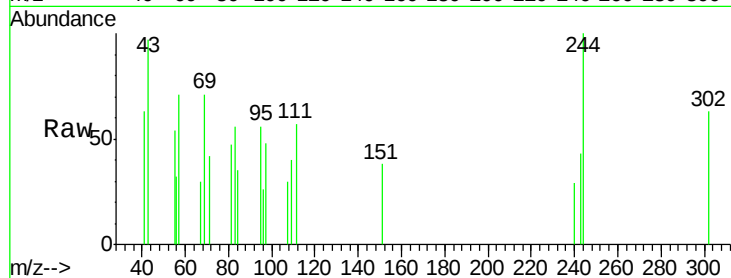
Tgt Ion:244 Resp: 963

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

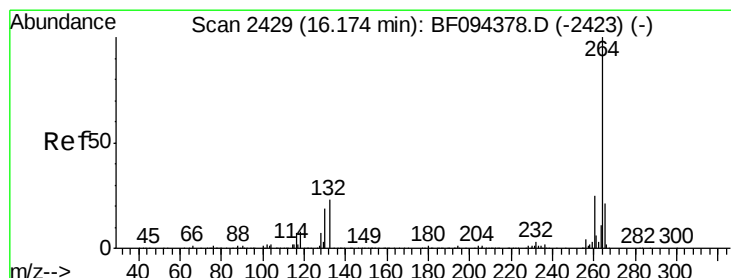
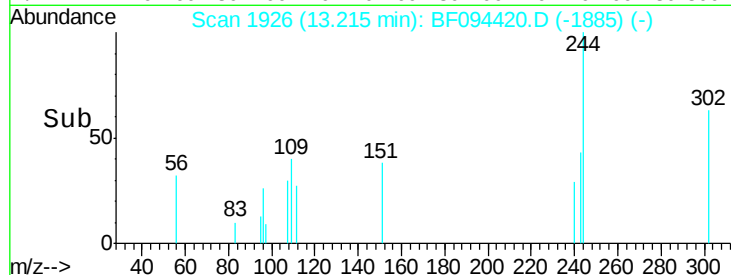
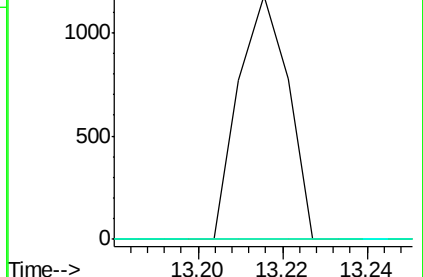
122 0.0 10.3 15.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.12 min Scan# 2419

Delta R.T. -0.06 min

Lab File: BF094420.D

Acq: 14 Apr 2017 9:06

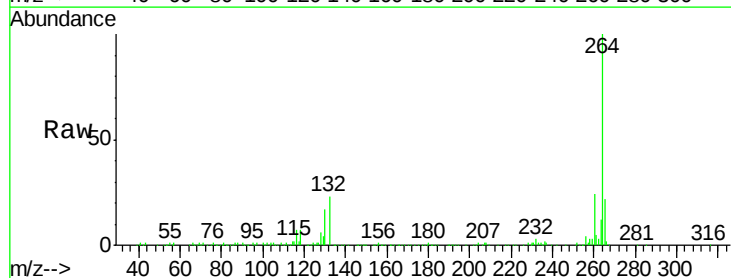
Tgt Ion:264 Resp: 195925

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

