

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094781.D
 Acq On : 2 May 2017 6:24
 Operator : SJ/MA
 Sample : I2892-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 06:50:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

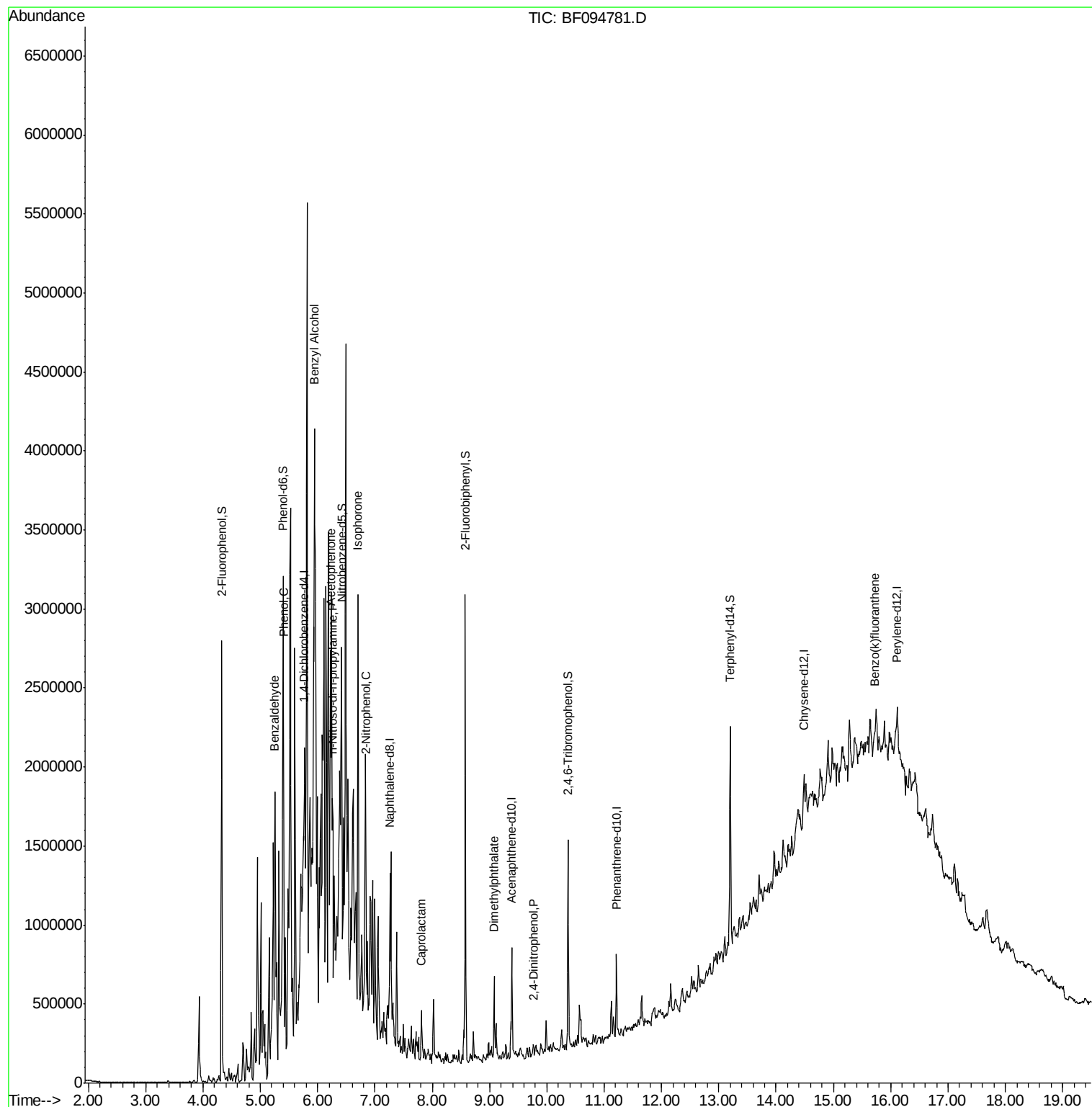
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	86271	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	350572	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	148603	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	216922	20.00	ng	0.00
75) Chrysene-d12	14.48	240	170674	20.00	ng	0.01
86) Perylene-d12	16.12	264	120883	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	909221	174.85	ng	0.02
7) Phenol-d6	5.40	99	1091864	178.11	ng	0.00
23) Nitrobenzene-d5	6.42	82	701138	123.50	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	173954	149.66	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1113184	110.22	ng	0.00
78) Terphenyl-d14	13.20	244	693348	108.59	ng	0.00
Target Compounds						
9) Benzaldehyde	5.25	77	9585	2.06	ng	# 5
10) Phenol	5.41	94	28223	3.75	ng	99
15) Benzyl Alcohol	5.95	79	17301	3.80	ng	# 43
19) n-Nitroso-di-n-propylamine	6.27	70	29889	7.36	ng	# 64
22) Acetophenone	6.23	105	18207	2.14	ng	# 1
25) Isophorone	6.71	82	56502	5.37	ng	# 1
26) 2-Nitrophenol	6.85	139	8121	2.53	ng	# 1
35) Caprolactam	7.81	113	5849	3.84	ng	# 1
49) Dimethylphthalate	9.08	163	259992	23.48	ng	98
53) 2,4-Dinitrophenol	9.76	184	127	5.85	ng	# 55
88) Benzo(k)fluoranthene	15.72	252	14292	2.04	ng	# 1

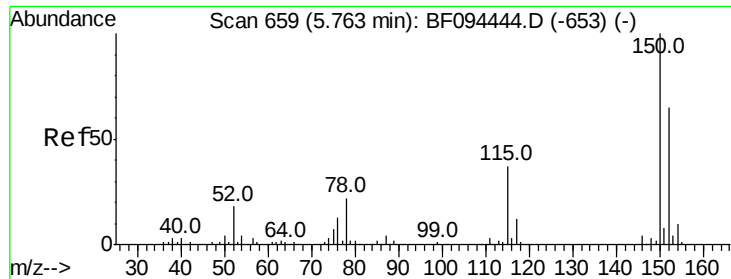
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.77 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

Instrument :
BNA_F
ClientSampleId :

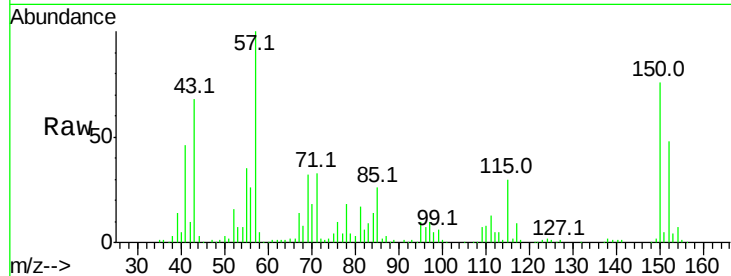
Tot Ion:152 Resp: 86271

Ion Ratio Lower Upper

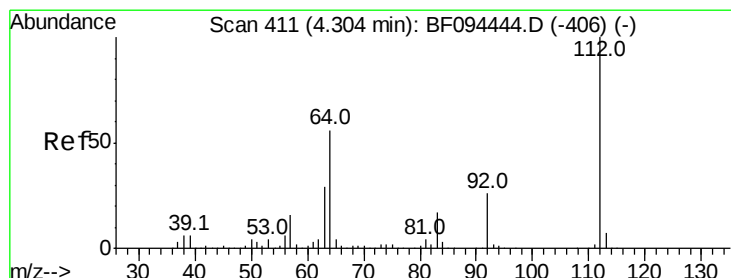
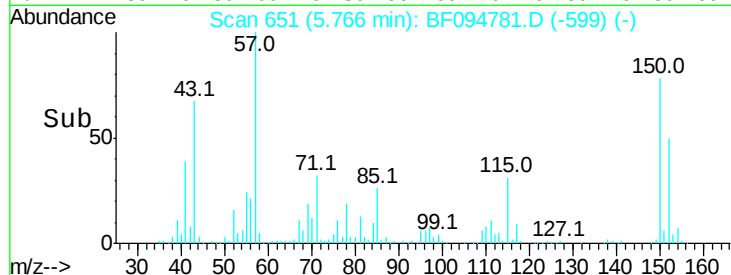
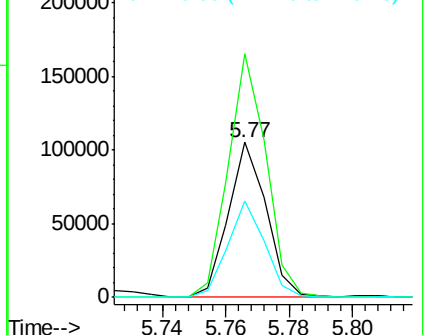
152 100

150 157.0 126.2 189.2

115 62.3 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: 174.85 ng

RT: 4.32 min Scan# 406

Delta R.T. 0.02 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

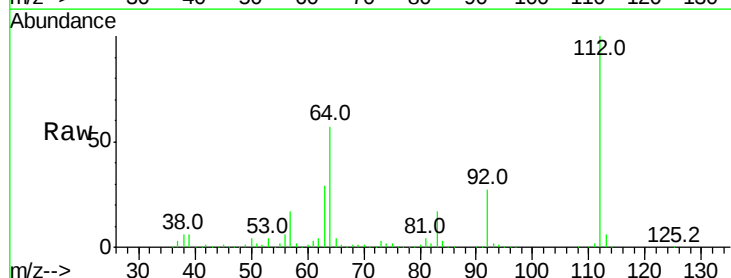
Tgt Ion:112 Resp: 909221

Ion Ratio Lower Upper

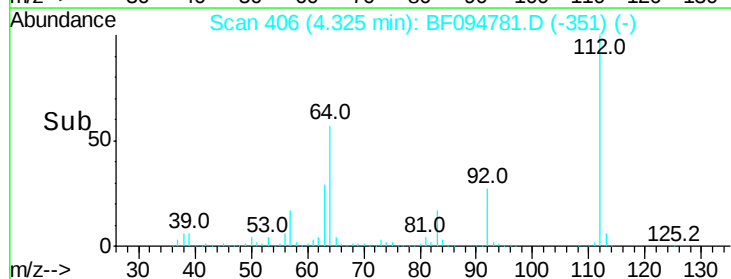
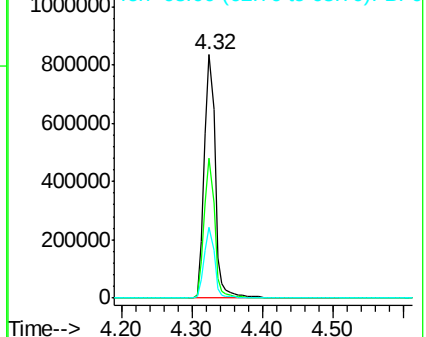
112 100

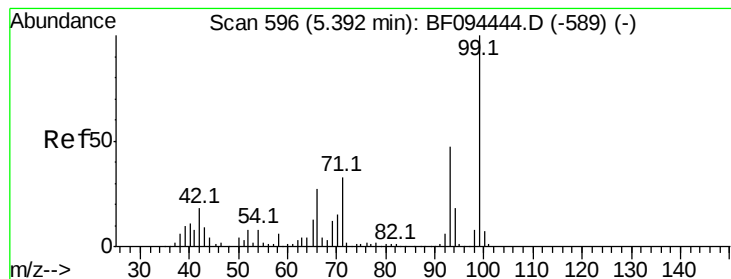
64 57.3 46.0 69.0

63 29.0 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: 178.11 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

Instrument :

BNA_F

ClientSampleId :

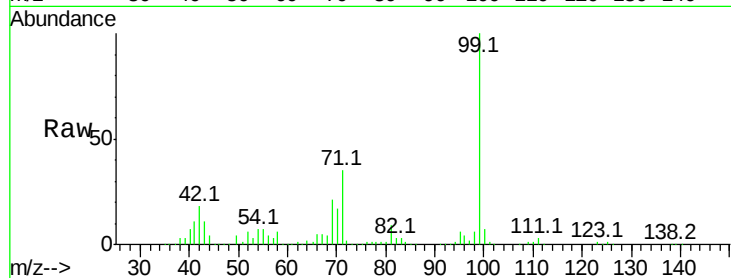
Tot Ion: 99 Resp: 1091864

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

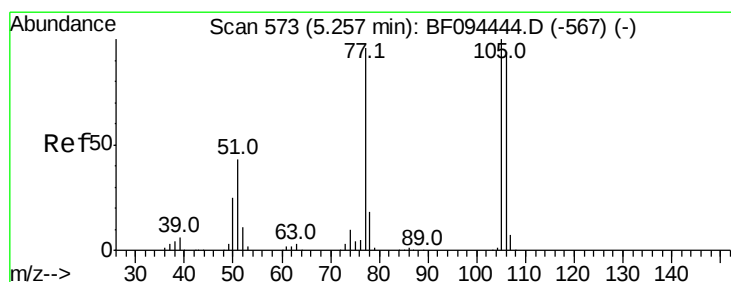
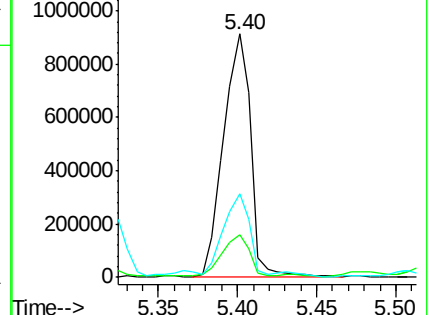
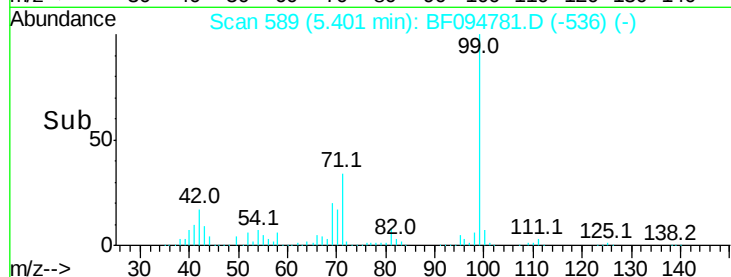
71 34.6 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.06 ng

RT: 5.25 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

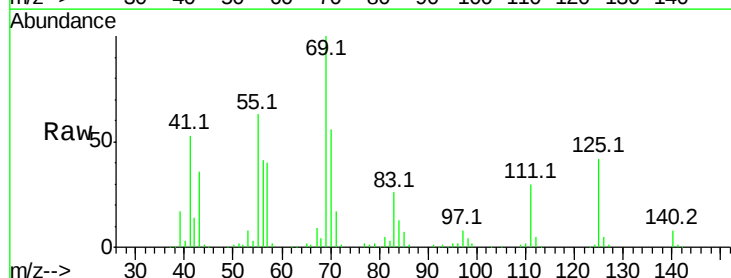
Tgt Ion: 77 Resp: 9585

Ion Ratio Lower Upper

77 100

105 10.7 83.8 123.8#

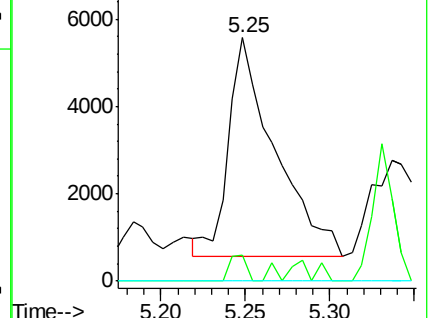
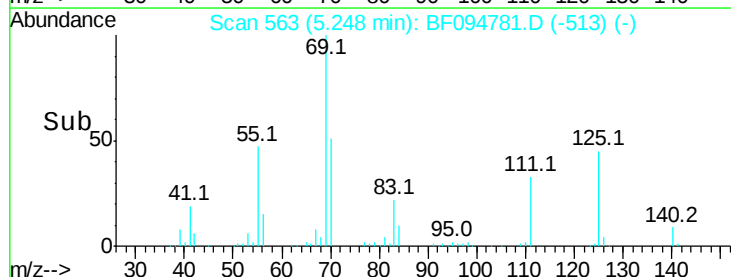
106 0.0 79.1 119.1#

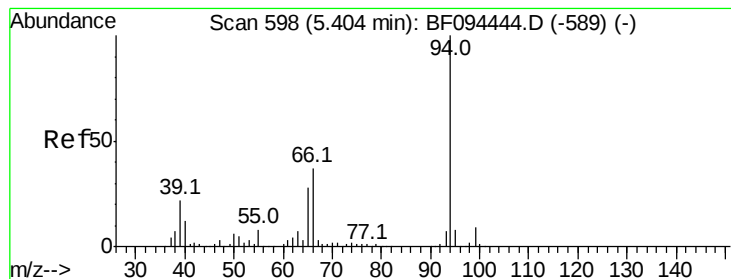


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.75 ng

RT: 5.41 min Scan# 591

Delta R.T. 0.01 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

Instrument :

BNA_F

ClientSampled :

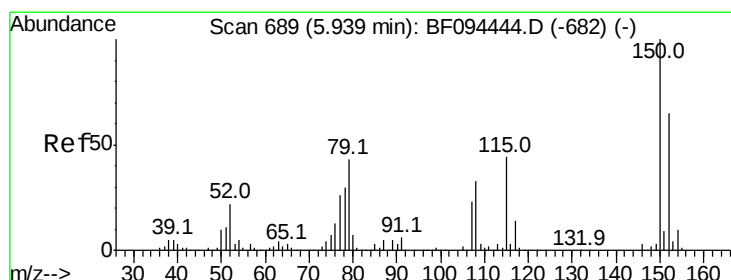
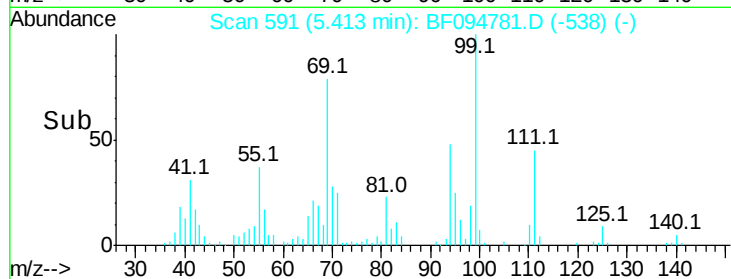
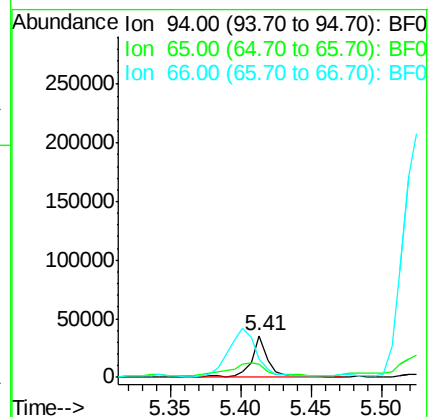
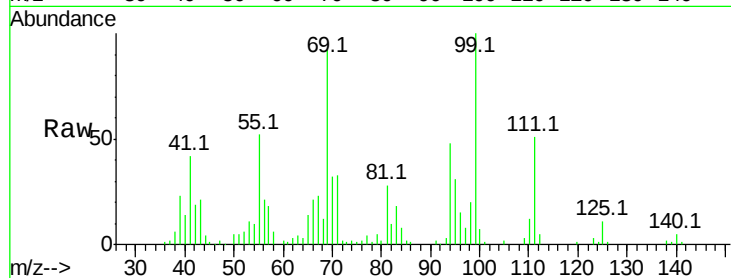
Tot Ion: 94 Resp: 28223

Ion Ratio Lower Upper

94 100

65 30.2 9.9 49.9

66 43.5 23.1 63.1



#15

Benzyl Alcohol

Concen: 3.80 ng

RT: 5.95 min Scan# 682

Delta R.T. 0.01 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

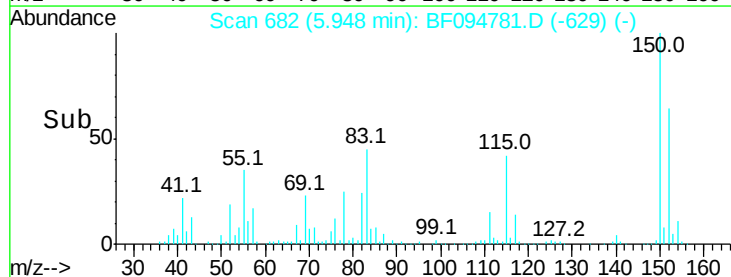
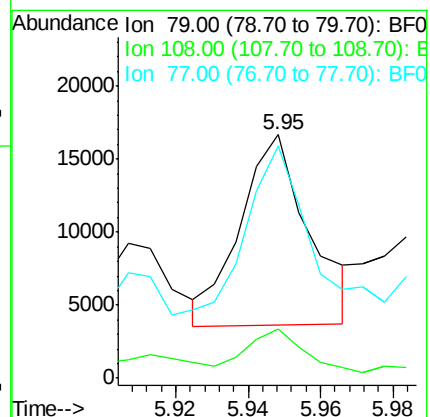
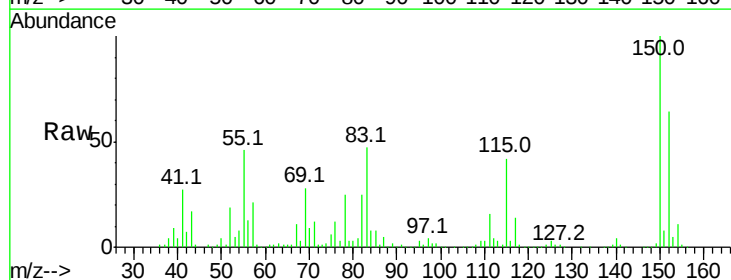
Tgt Ion: 79 Resp: 17301

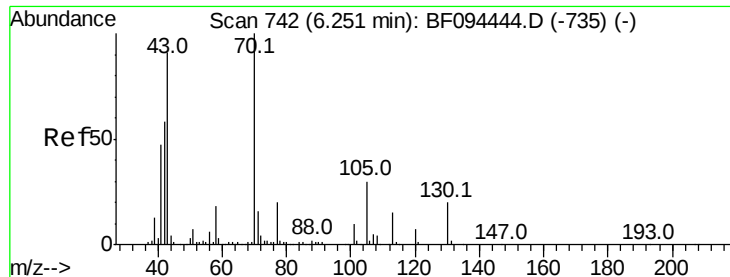
Ion Ratio Lower Upper

79 100

108 20.4 63.4 95.0#

77 95.2 49.2 73.8#

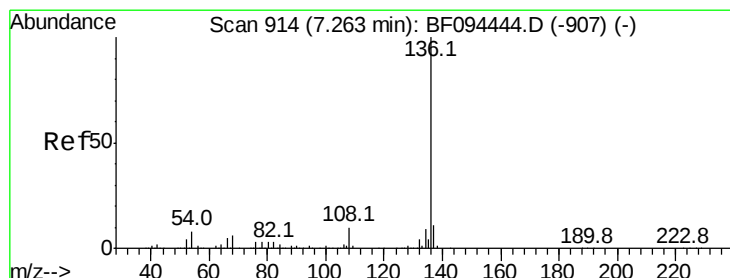
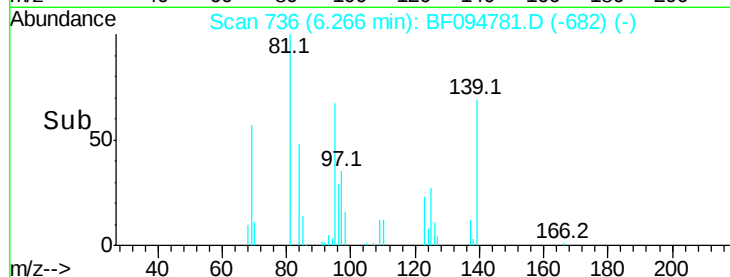
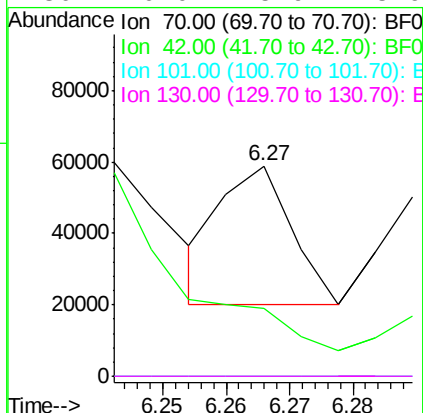
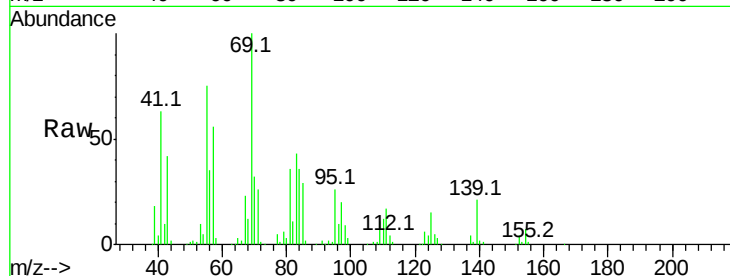




#19
n-Nitroso-di-n-propylamine
Concen: 7.36 ng
RT: 6.27 min Scan# 736
Delta R.T. 0.01 min
Lab File: BF094781.D
Acq: 2 May 2017 6:24

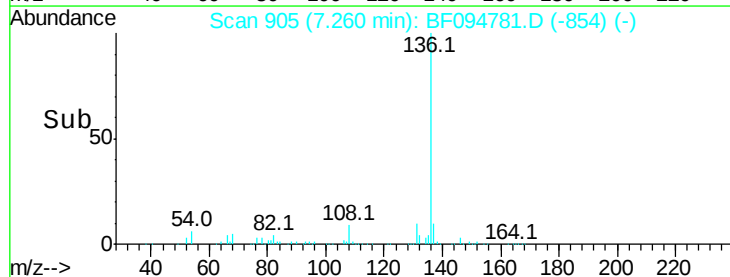
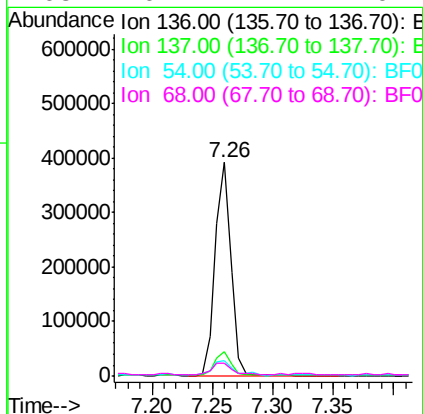
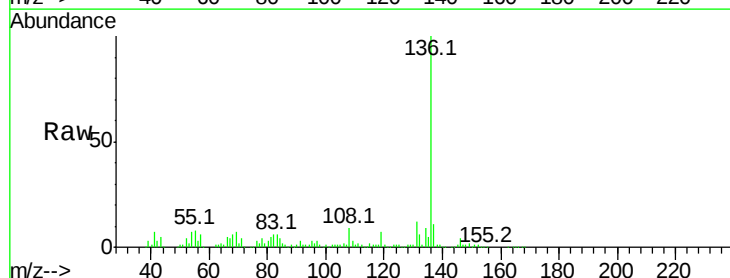
Instrument :
BNA_F
ClientSampleId :

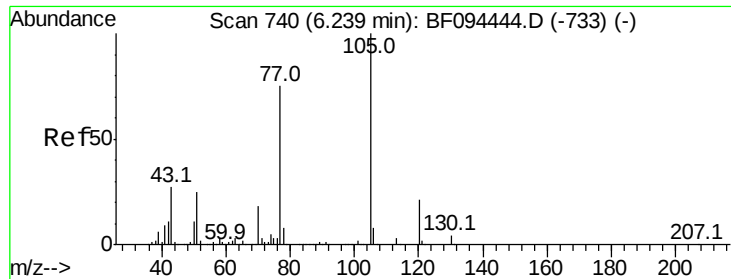
Tot Ion: 70 Resp: 29889
Ion Ratio Lower Upper
70 100
42 32.4 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 905
Delta R.T. -0.00 min
Lab File: BF094781.D
Acq: 2 May 2017 6:24

Tgt Ion:136 Resp: 350572
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.4 4.9 7.3#
68 6.2 4.1 6.1#

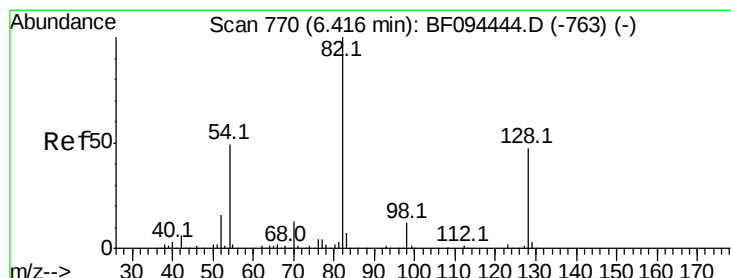
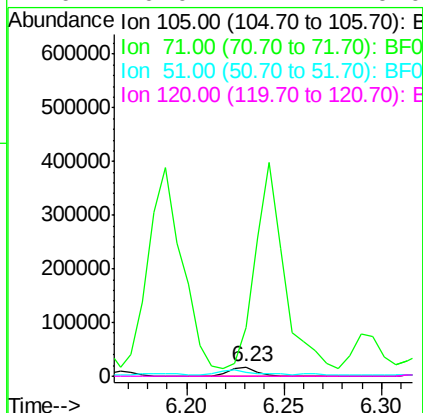
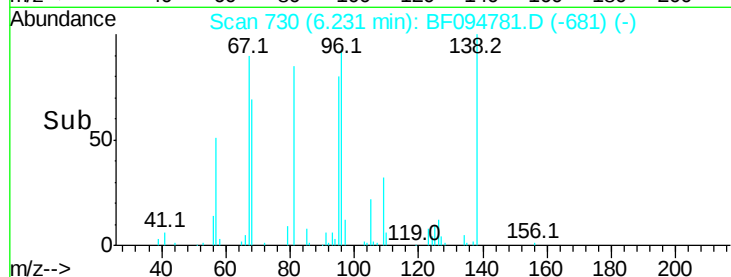
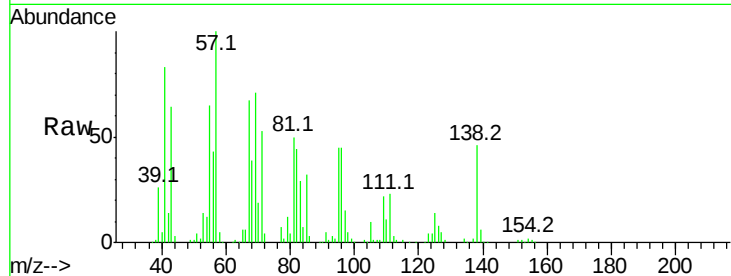




#22
Acetophenone
Concen: 2.14 ng
RT: 6.23 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF094781.D
Acq: 2 May 2017 6:24

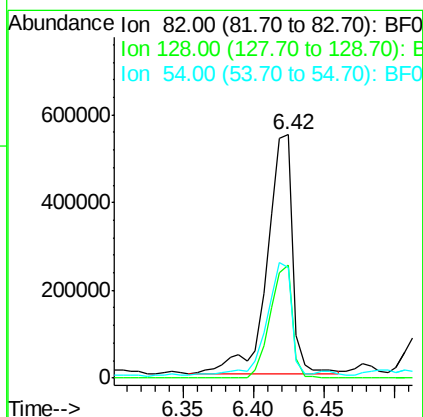
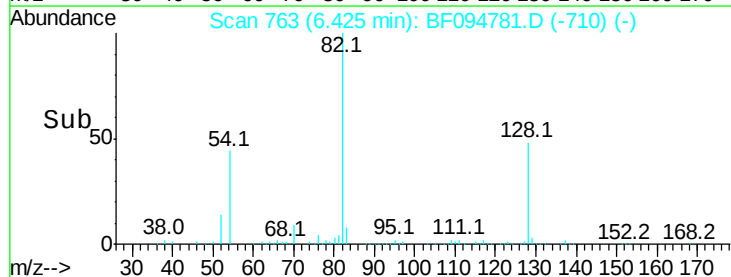
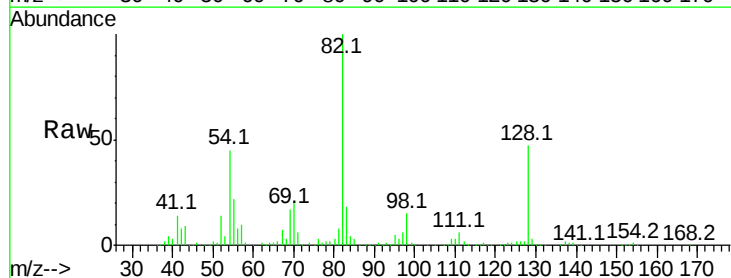
Instrument :
BNA_F
ClientSampleId :

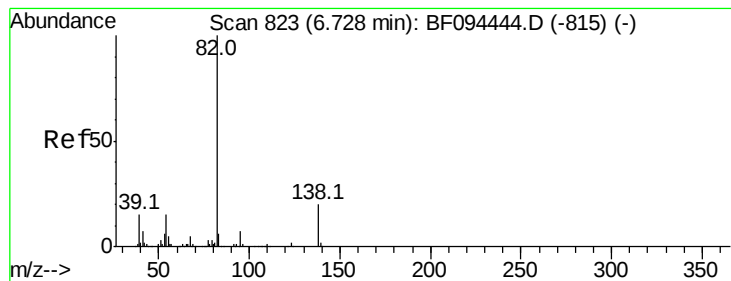
Tot Ion:105 Resp: 18207
Ion Ratio Lower Upper
105 100
71 518.9 2.8 4.2#
51 38.9 30.7 46.1
120 0.0 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 123.50 ng
RT: 6.42 min Scan# 763
Delta R.T. 0.01 min
Lab File: BF094781.D
Acq: 2 May 2017 6:24

Tgt Ion: 82 Resp: 701138
Ion Ratio Lower Upper
82 100
128 46.5 34.0 51.0
54 45.4 42.2 63.2





#25

Isophorone

Concen: 5.37 ng

RT: 6.71 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

Instrument :

BNA_F

ClientSampleId :

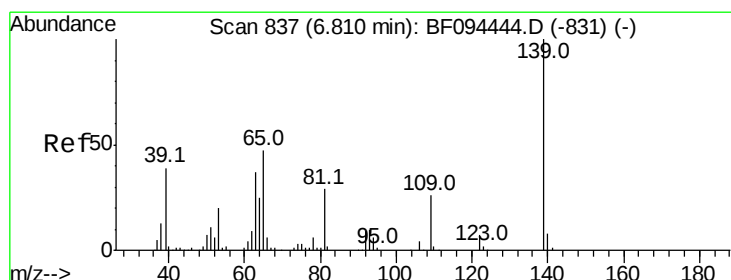
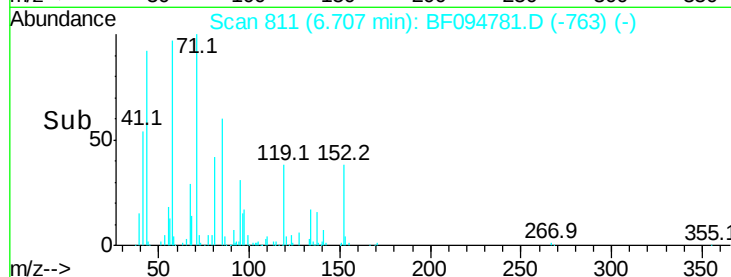
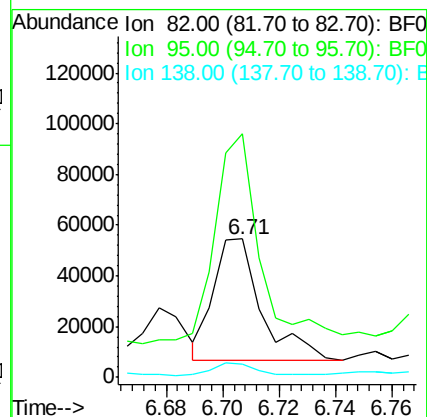
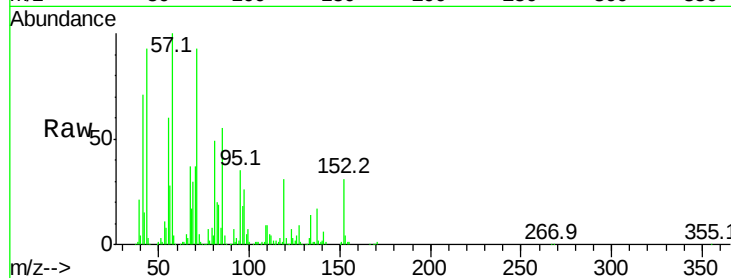
Tot Ion: 82 Resp: 56502

Ion Ratio Lower Upper

82 100

95 176.1 5.3 7.9#

138 9.9 13.1 19.7#



#26

2-Nitrophenol

Concen: 2.53 ng

RT: 6.85 min Scan# 835

Delta R.T. 0.04 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

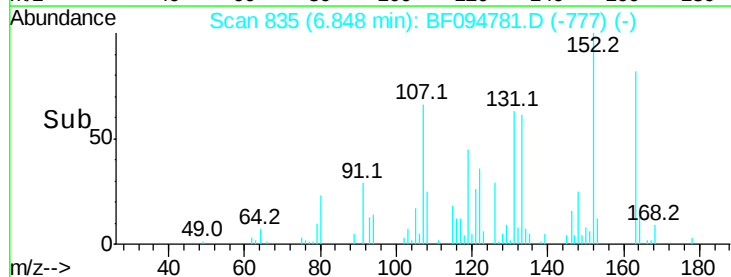
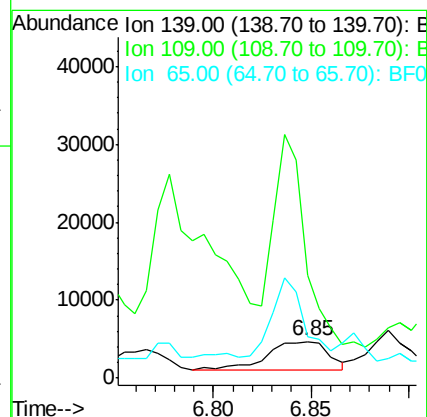
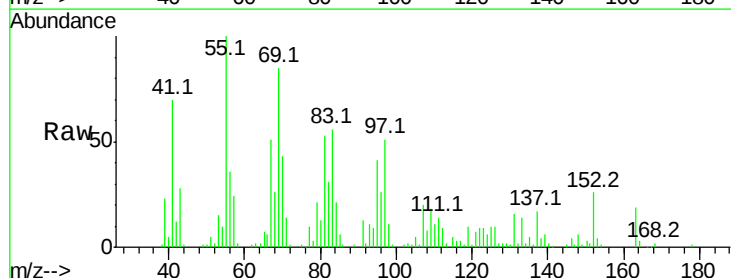
Tgt Ion: 139 Resp: 8121

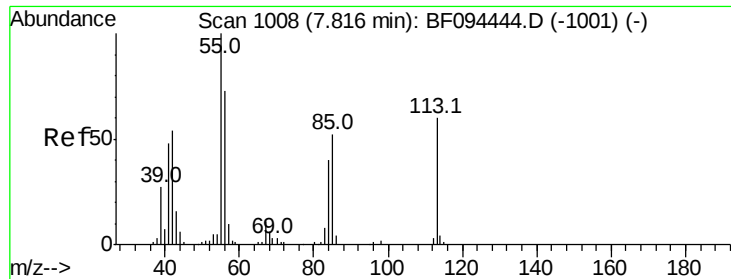
Ion Ratio Lower Upper

139 100

109 280.6 21.0 31.6#

65 113.7 33.0 49.6#

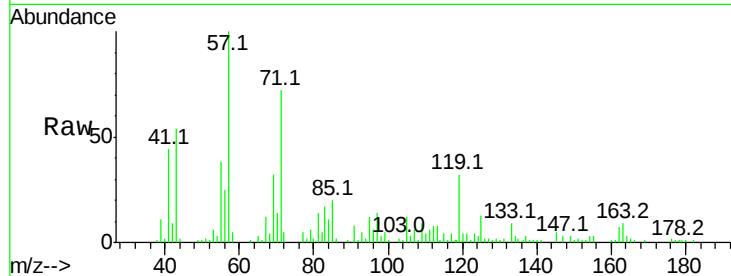




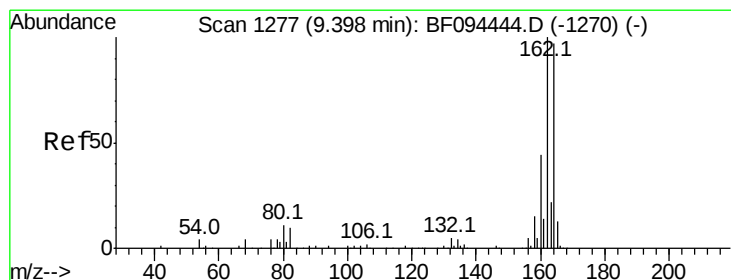
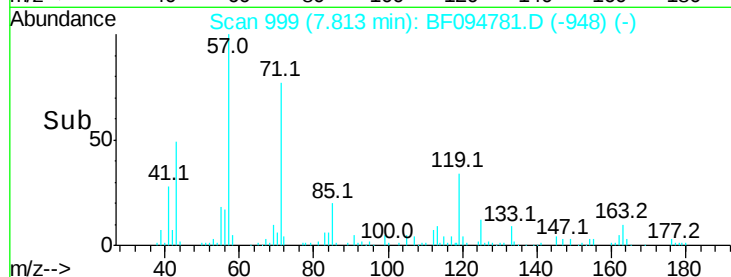
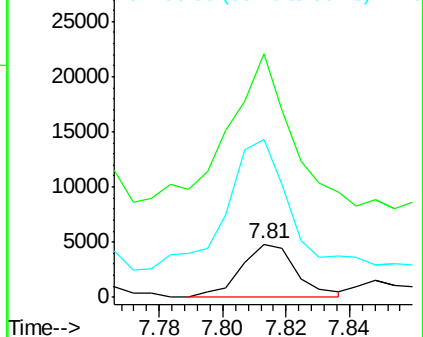
#35
 Caprolactam
 Concen: 3.84 ng
 RT: 7.81 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BF094781.D
 Acq: 2 May 2017 6:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 5849
 Ion Ratio Lower Upper
 113 100
 55 459.8 150.2 190.2#
 56 298.0 107.8 147.8#

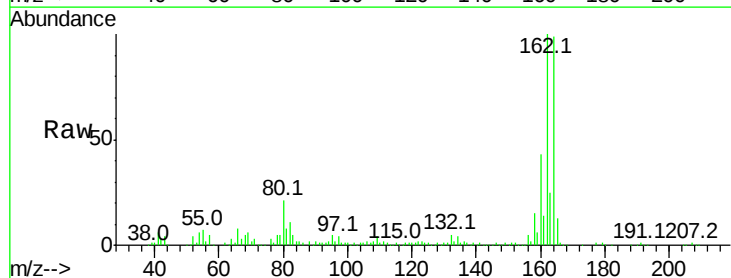


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

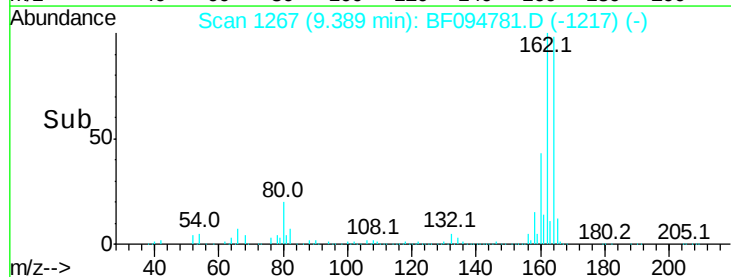
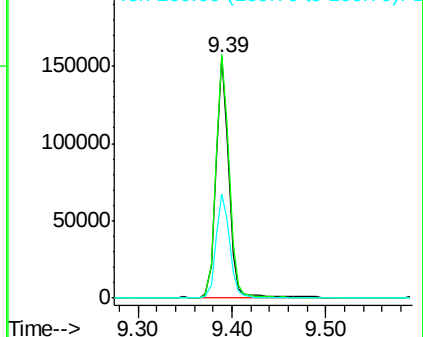


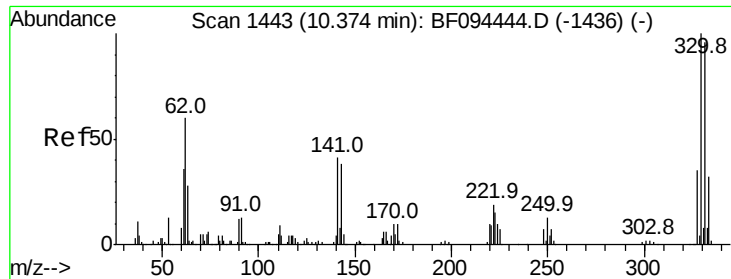
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094781.D
 Acq: 2 May 2017 6:24

Tgt Ion:164 Resp: 148603
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.6 123.8
 160 43.1 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

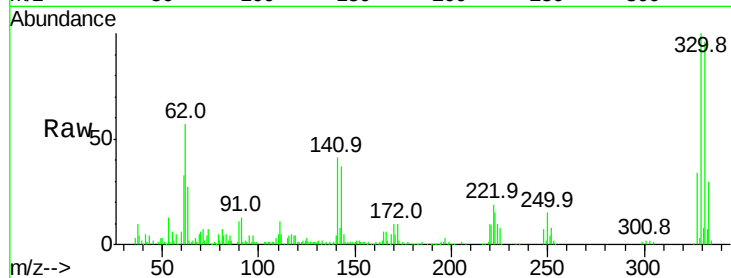




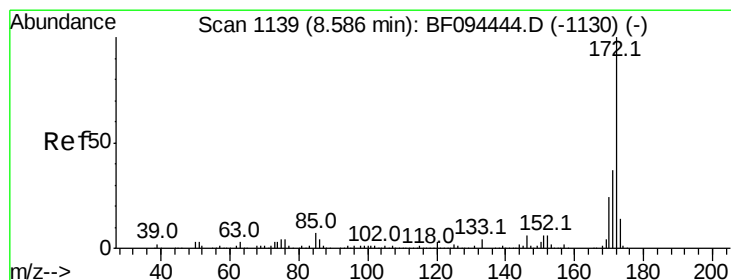
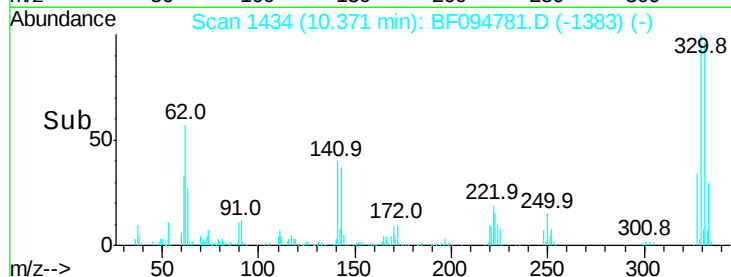
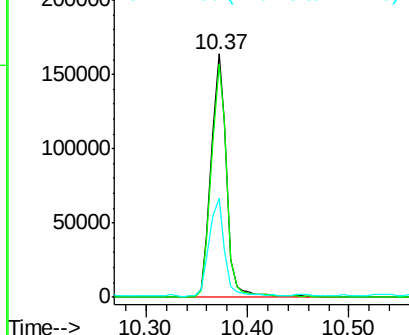
#41
 2,4,6-Tribromophenol
 Concen: 149.66 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094781.D
 Acq: 2 May 2017 6:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 173954
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 115.0
 141 40.8 31.4 47.2

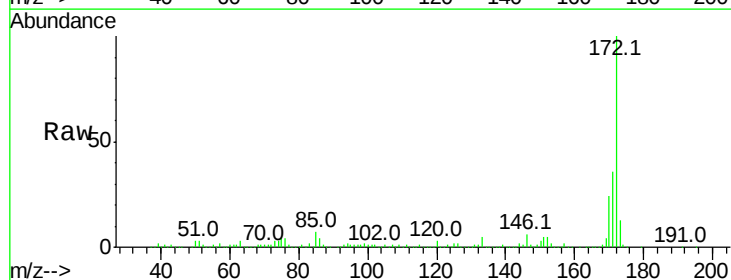


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

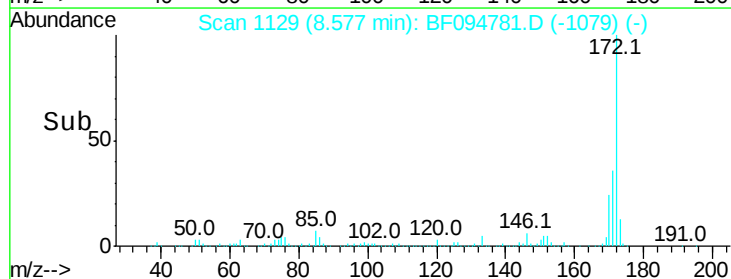
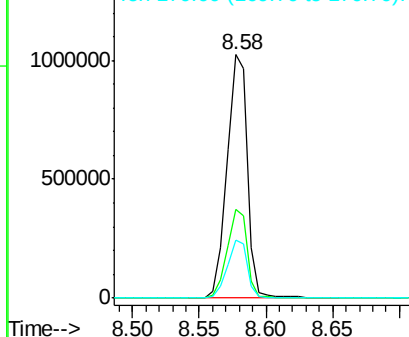


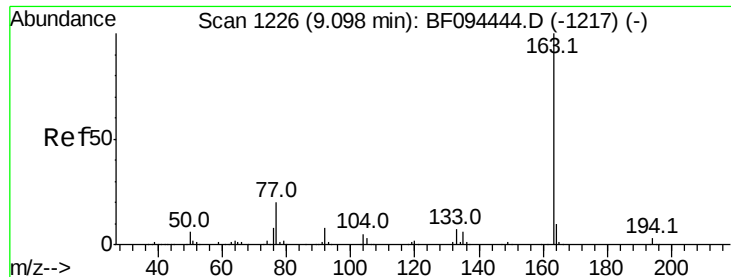
#44
 2-Fluorobiphenyl
 Concen: 110.22 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094781.D
 Acq: 2 May 2017 6:24

Tgt Ion:172 Resp: 1113184
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.6 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: 23.48 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

Instrument :

BNA_F

ClientSampleId :

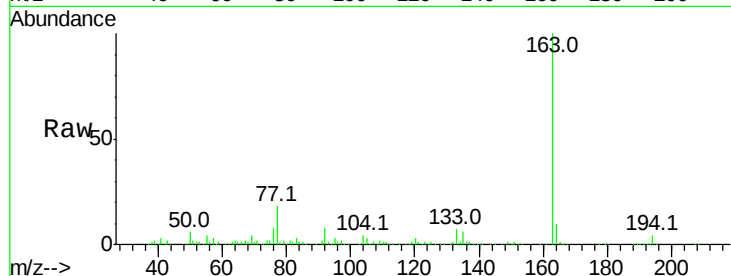
Tot Ion:163 Resp: 259992

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

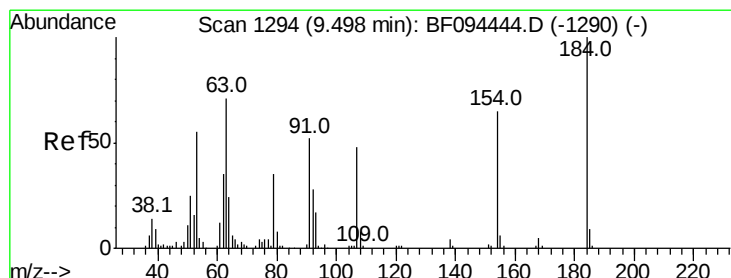
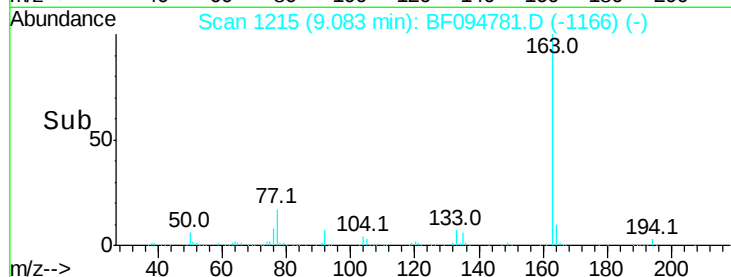
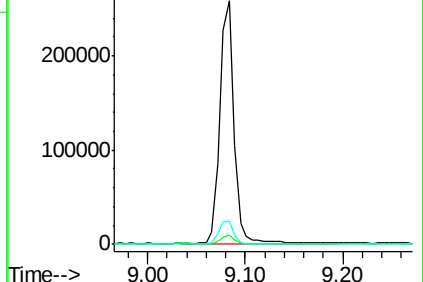
164 9.7 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 5.85 ng

RT: 9.76 min Scan# 1330

Delta R.T. 0.26 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

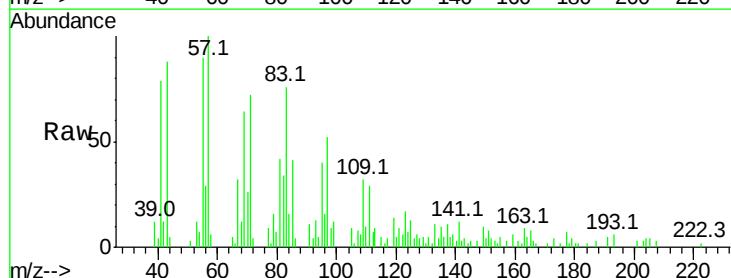
Tgt Ion:184 Resp: 127

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

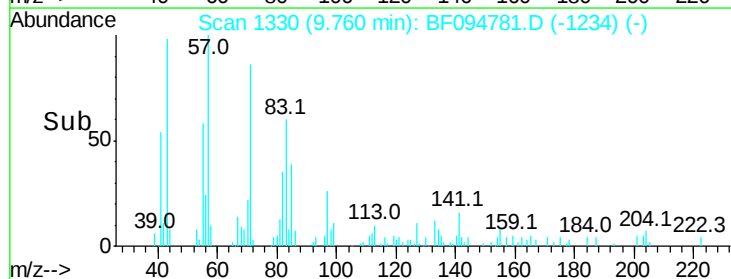
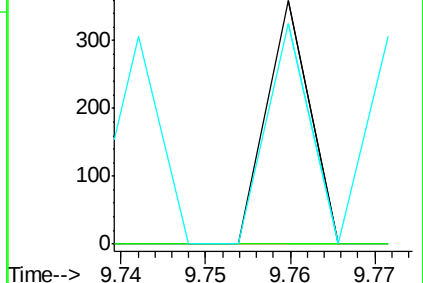
154 90.8 81.1 121.7

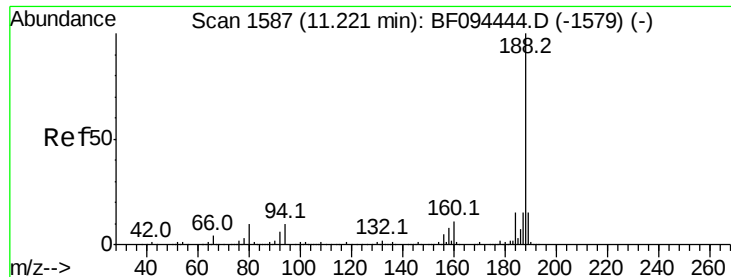


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

Instrument :

BNA_F

ClientSampleId :

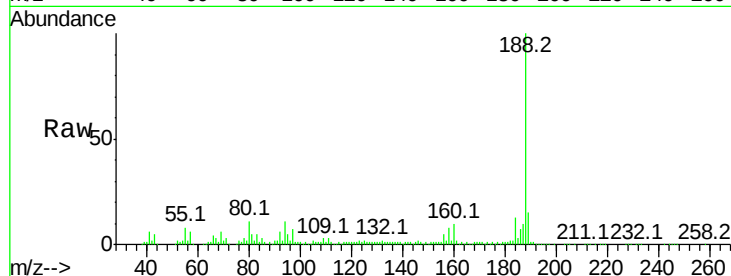
Tot Ion:188 Resp: 216922

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.2

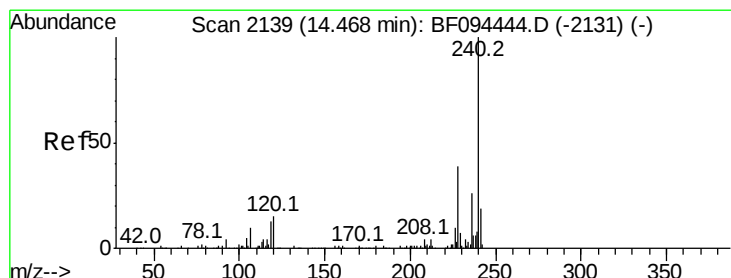
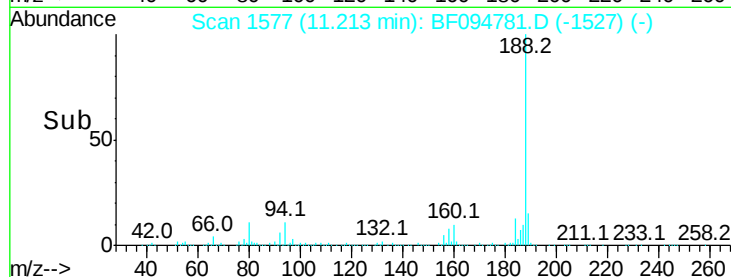
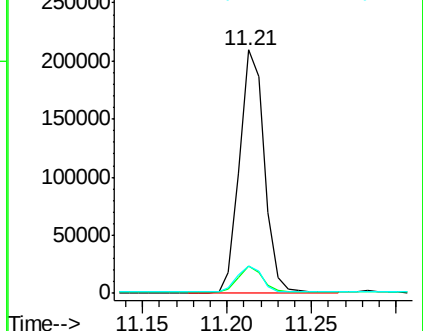
80 11.4 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.48 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

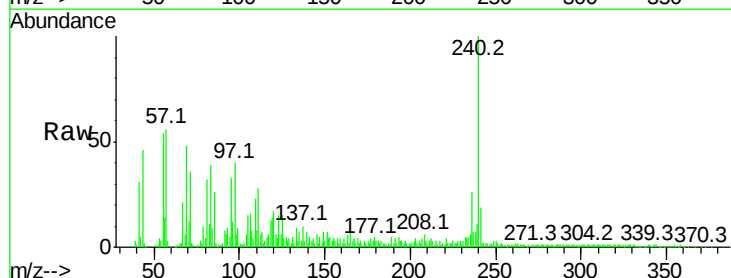
Tgt Ion:240 Resp: 170674

Ion Ratio Lower Upper

240 100

120 17.3 5.8 8.8#

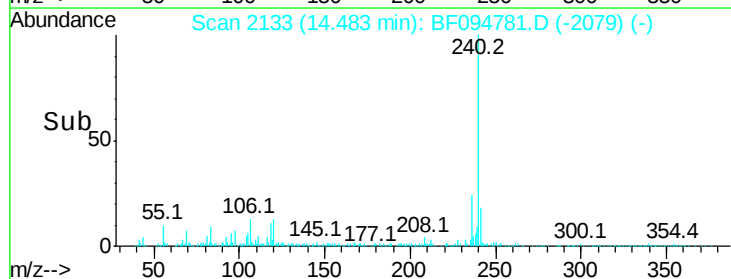
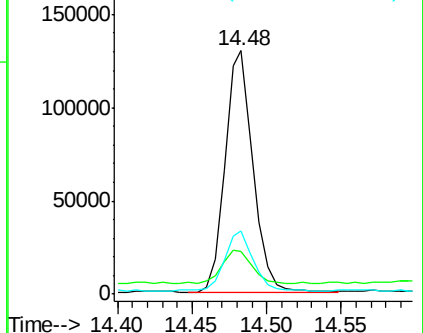
236 26.0 20.5 30.7

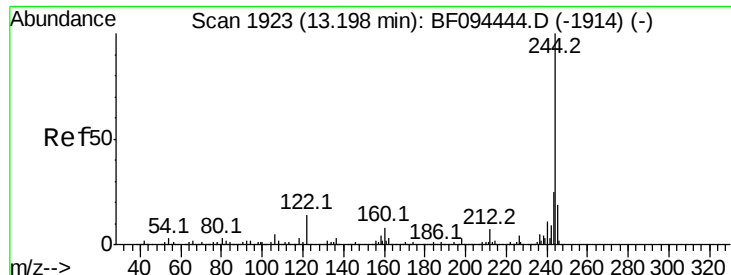


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 108.59 ng

RT: 13.20 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

Instrument :

BNA_F

ClientSampleId :

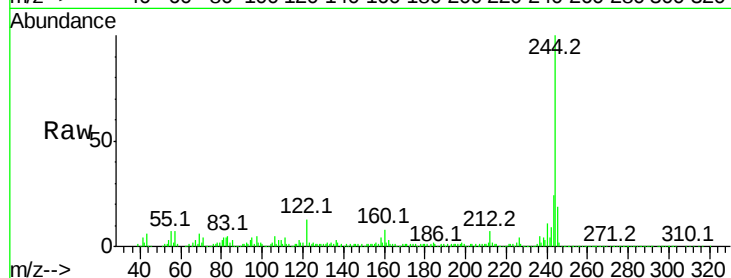
Tot Ion:244 Resp: 693348

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

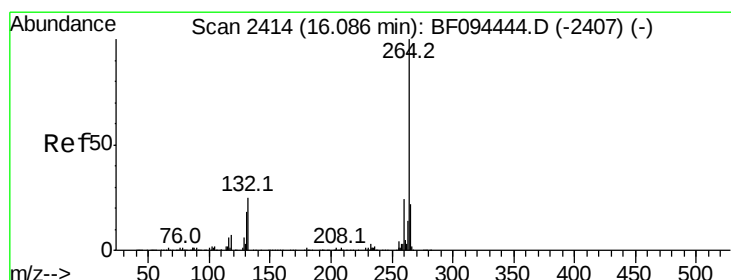
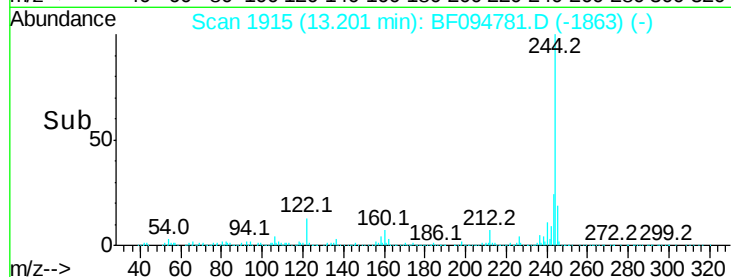
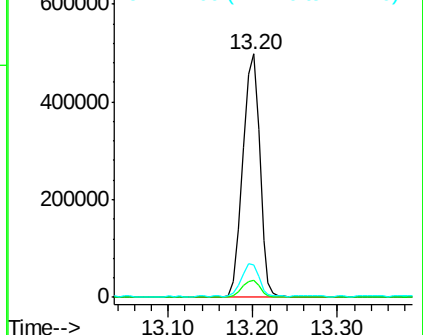
122 13.1 10.3 15.5



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# 2411

Delta R.T. 0.03 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

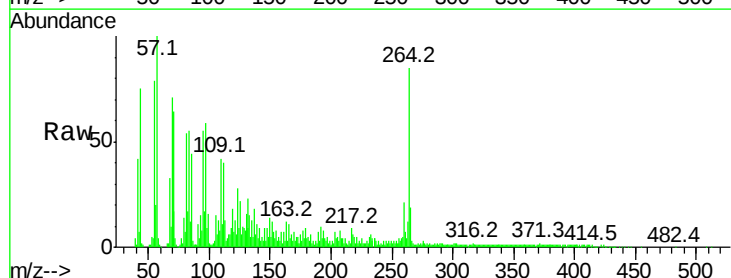
Tgt Ion:264 Resp: 120883

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

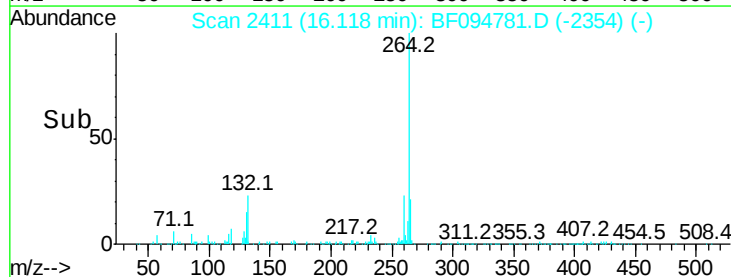
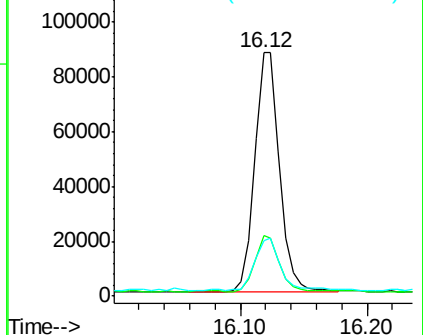
265 22.8 17.2 25.8

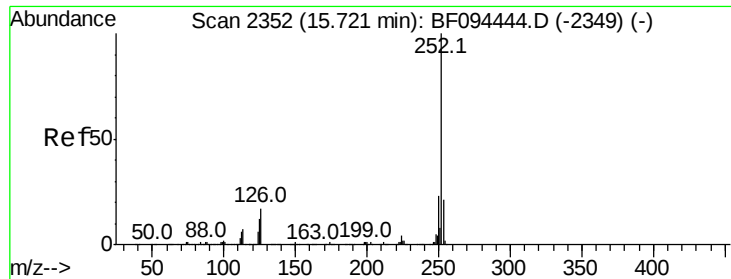


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.04 ng

RT: 15.72 min Scan# 2343

Delta R.T. -0.00 min

Lab File: BF094781.D

Acq: 2 May 2017 6:24

Instrument :

BNA_F

ClientSampleId :

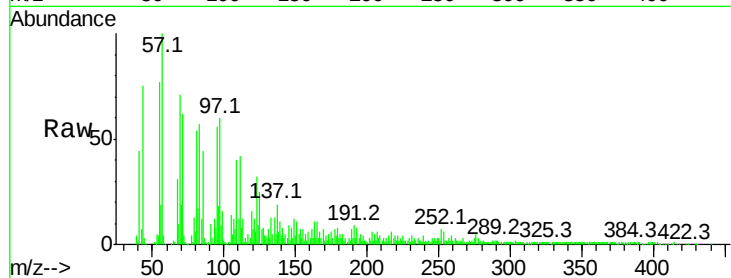
Tot Ion:252 Resp: 14292

Ion Ratio Lower Upper

252 100

253 77.3 18.4 27.6#

125 339.2 13.1 19.7#



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

