

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100115\
 Data File : BF081958.D
 Acq On : 2 Oct 2015 00:44
 Operator : UM/IZ
 Sample : G3870-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-1

Quant Time: Oct 02 02:02:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	105263	20.00	ng	-0.05
21) Naphthalene-d8	8.18	136	424564	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	212495	20.00	ng	-0.05
63) Phenanthrene-d10	11.42	188	413131	20.00	ng	-0.05
75) Chrysene-d12	14.06	240	388575	20.00	ng	-0.06
86) Perylene-d12	15.50	264	286409	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	624346	107.67	ng	-0.02
7) Phenol-d6	6.53	99	834923	114.43	ng	-0.03
23) Nitrobenzene-d5	7.46	82	501351	78.72	ng	-0.03
41) 2,4,6-Tribromophenol	10.72	330	214932	99.87	ng	-0.05
44) 2-Fluorobiphenyl	9.26	172	997434	77.15	ng	-0.05
78) Terphenyl-d14	13.01	244	1021510	84.87	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	61262	13.81	ng	# 57
25) Isophorone	7.46	82	424896	33.66	ng	# 58
49) Dimethylphthalate	9.65	163	220031	15.00	ng	# 97
56) 2,4-Dinitrotoluene	9.93	165	26342	6.49	ng	# 33
57) Fluorene	10.72	166	8966	Below Cal	#	85
66) 4-Bromophenyl-phenylether	10.72	248	14135	3.39	ng	# 1
70) Phenanthrene	11.44	178	5931	Below Cal	#	97
73) Di-n-butylphthalate	11.98	149	2269	Below Cal	#	78

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF081958.D

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Instrument :

BNA_F

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670-UNDERCLIFF-1

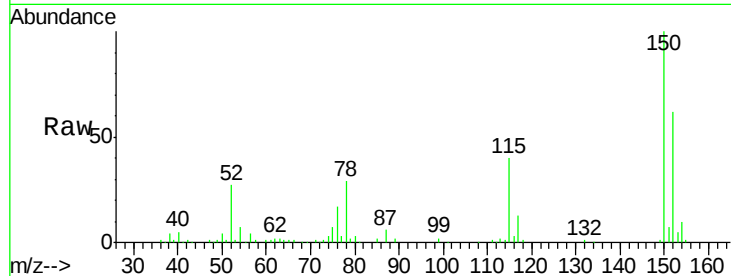
Tgt Ion:152 Resp: 105263

Ion Ratio Lower Upper

152 100

150 161.7 124.7 187.1

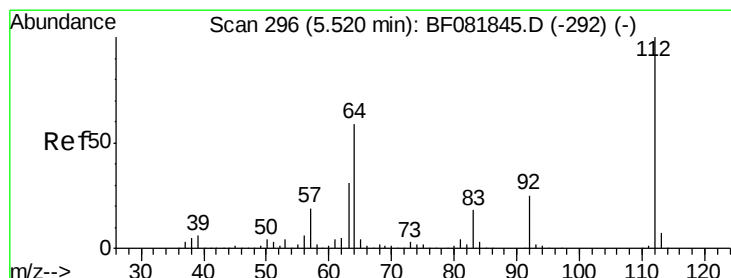
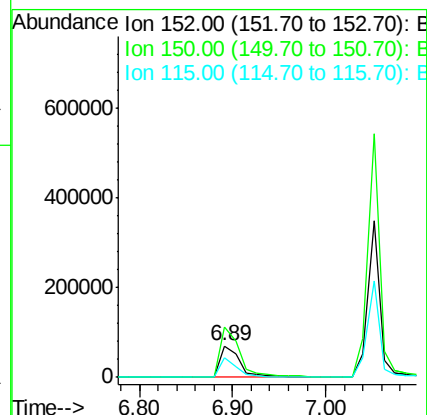
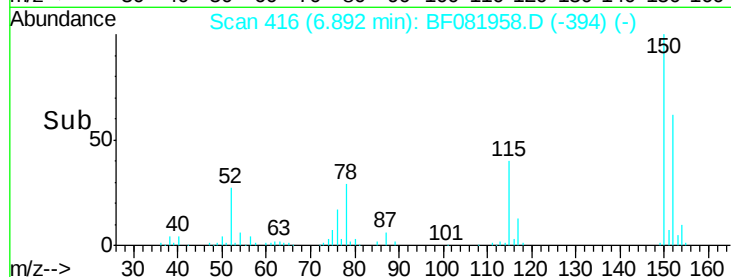
115 64.2 39.0 58.4#



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: 107.67 ng

RT: 5.50 min Scan# 294

Delta R.T. -0.02 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

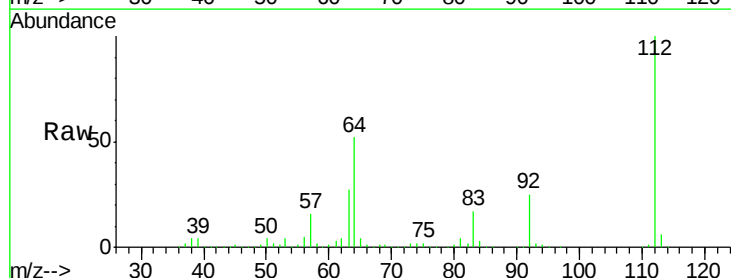
Tgt Ion:112 Resp: 624346

Ion Ratio Lower Upper

112 100

64 52.2 39.7 59.5

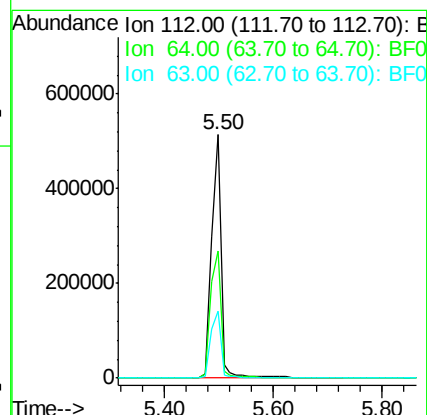
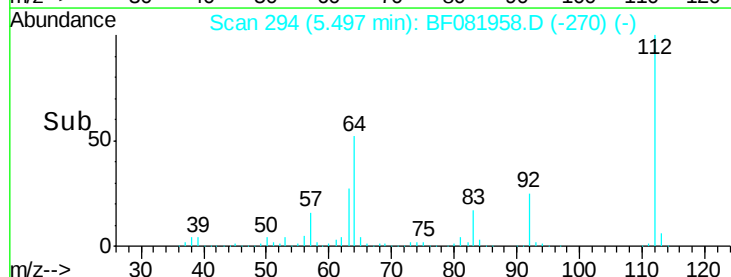
63 27.3 17.4 26.0#

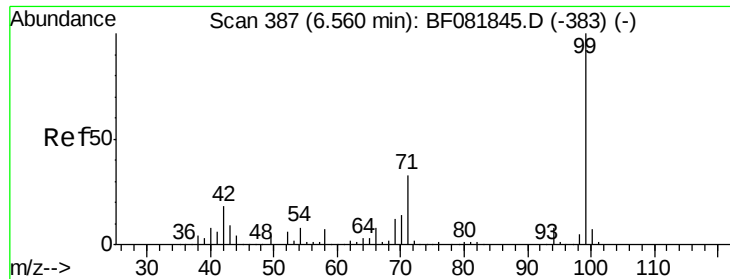


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.43 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

Instrument :

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670-UNDERCLIFF-1

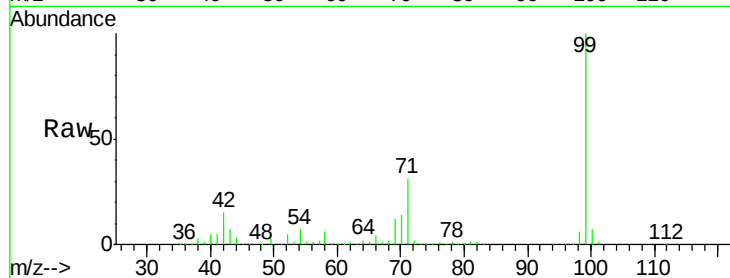
Tgt Ion: 99 Resp: 834923

Ion Ratio Lower Upper

99 100

42 14.8 13.7 20.5

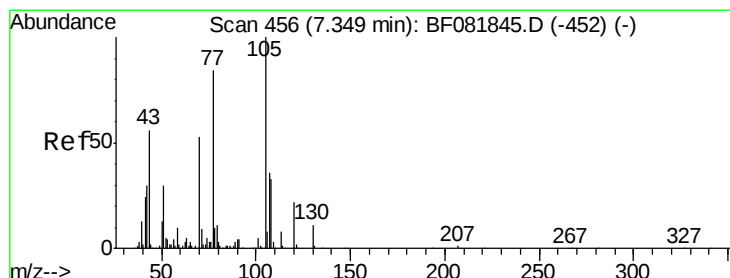
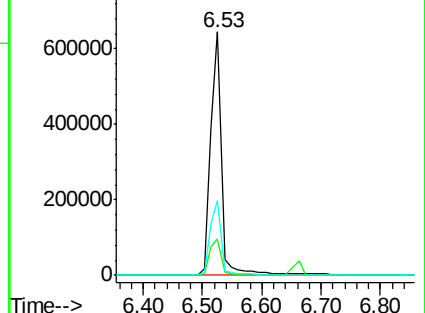
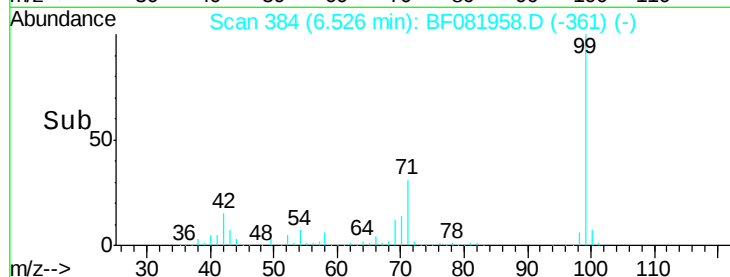
71 30.6 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.81 ng

RT: 7.46 min Scan# 466

Delta R.T. 0.11 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

Tgt Ion: 70 Resp: 61262

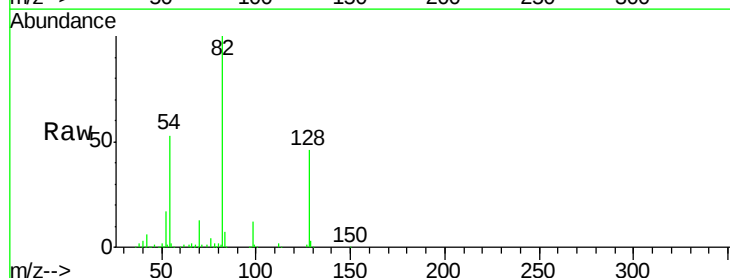
Ion Ratio Lower Upper

70 100

42 43.9 63.8 95.6#

101 0.0 9.2 13.8#

130 2.7 27.3 40.9#

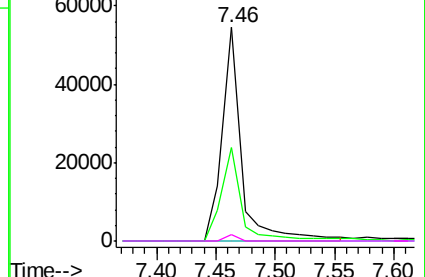
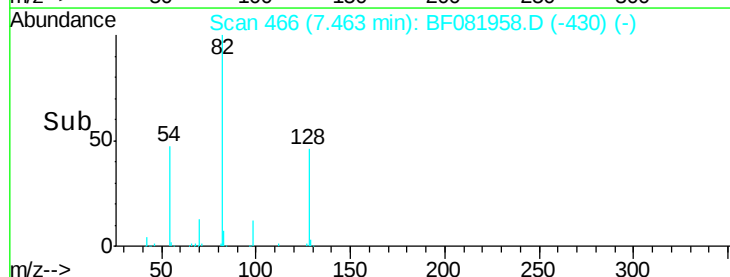


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

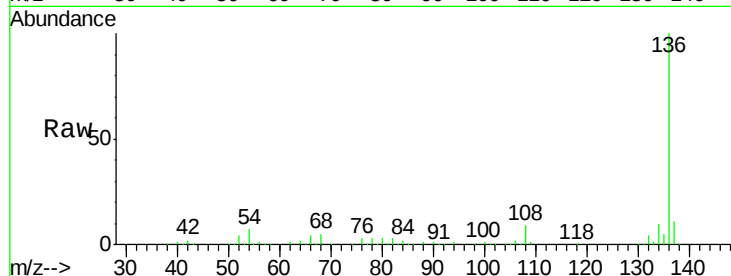




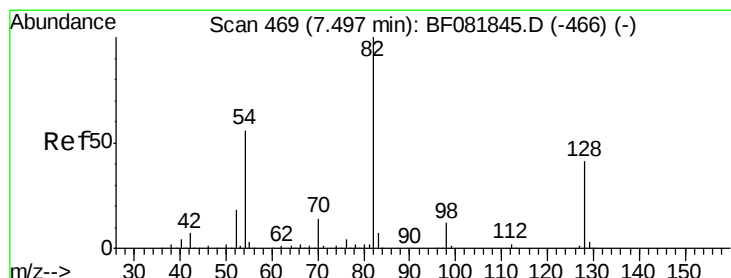
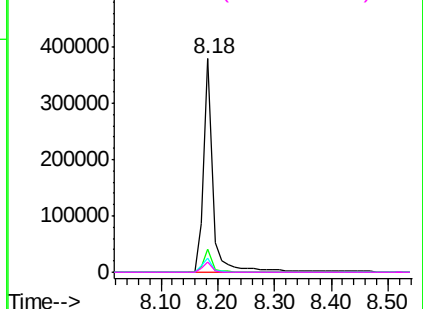
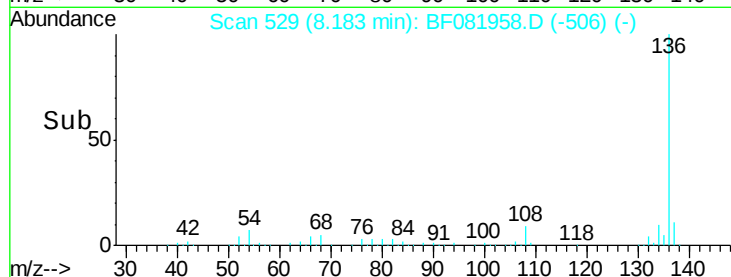
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF081958.D
Acq: 2 Oct 2015 00:44

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-1

Tgt Ion: 136 Resp: 424564
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 6.9 8.2 12.2#
68 5.0 5.8 8.6#

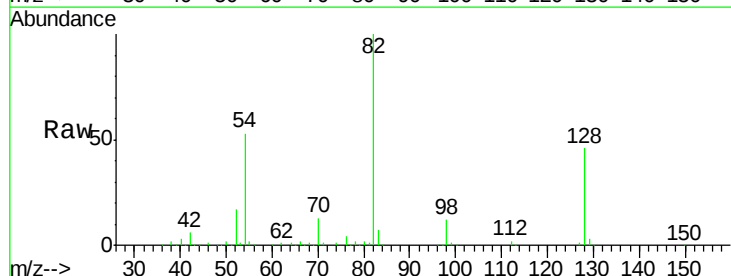


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

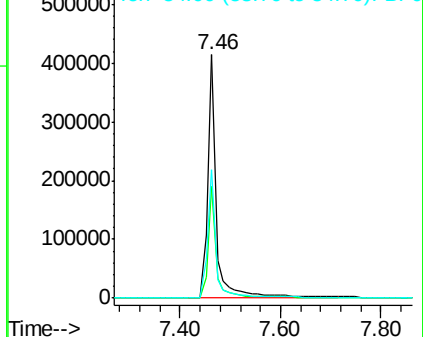
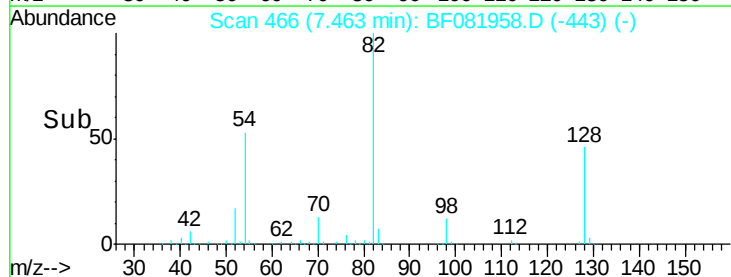


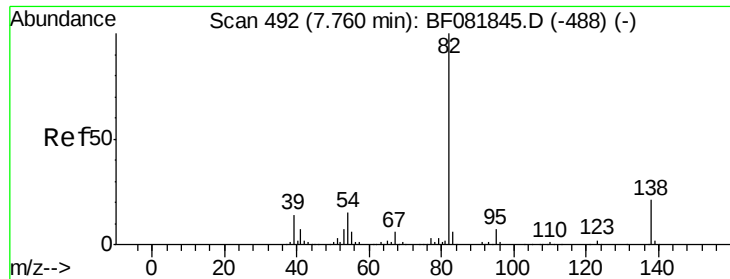
#23
Nitrobenzene-d5
Concen: 78.72 ng
RT: 7.46 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF081958.D
Acq: 2 Oct 2015 00:44

Tgt Ion: 82 Resp: 501351
Ion Ratio Lower Upper
82 100
128 46.0 51.0 76.6#
54 52.6 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.66 ng

RT: 7.46 min Scan# 466

Delta R.T. -0.30 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-1

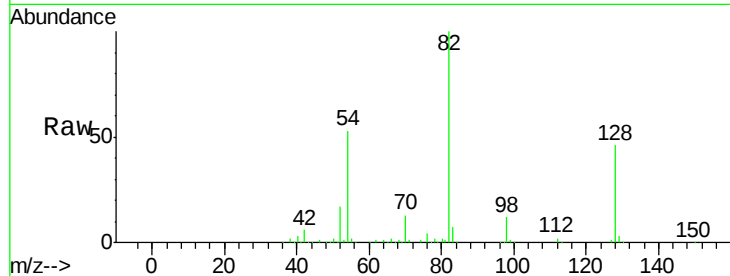
Tgt Ion: 82 Resp: 424896

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

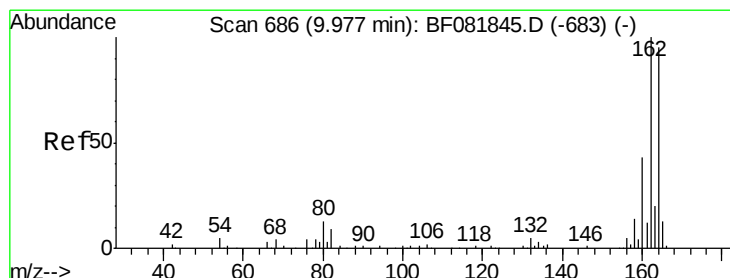
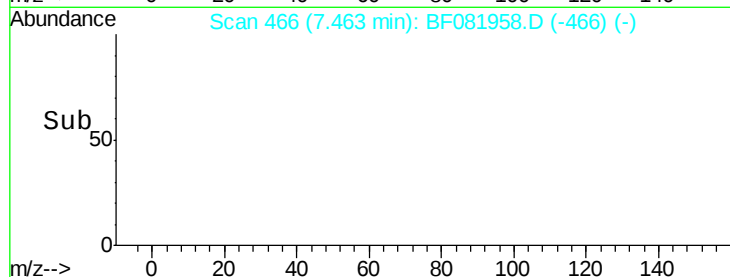
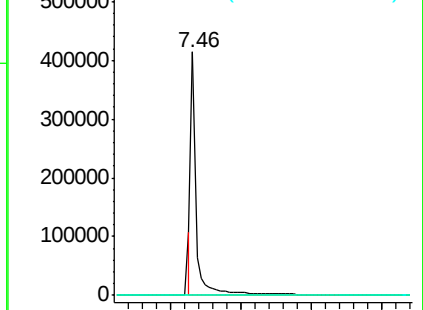
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

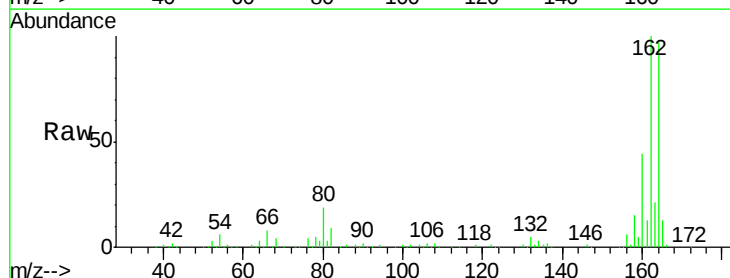
Tgt Ion: 164 Resp: 212495

Ion Ratio Lower Upper

164 100

162 103.5 75.2 112.8

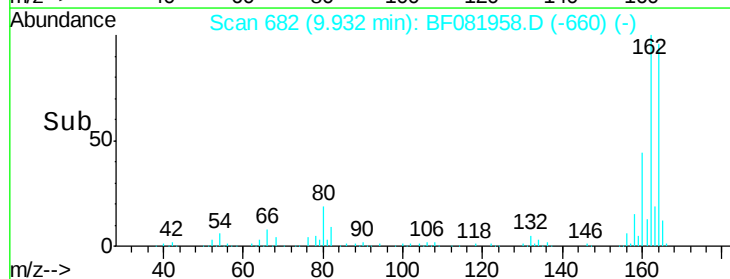
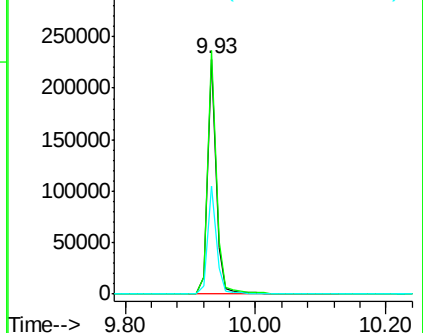
160 45.8 31.5 47.3

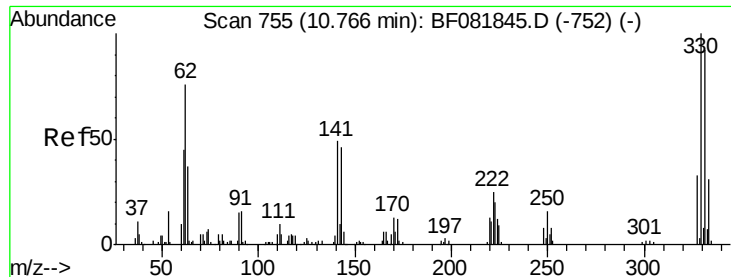


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

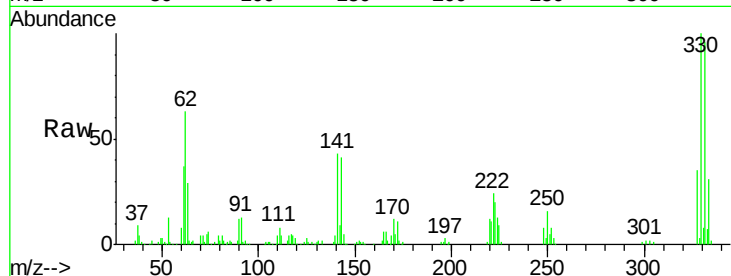




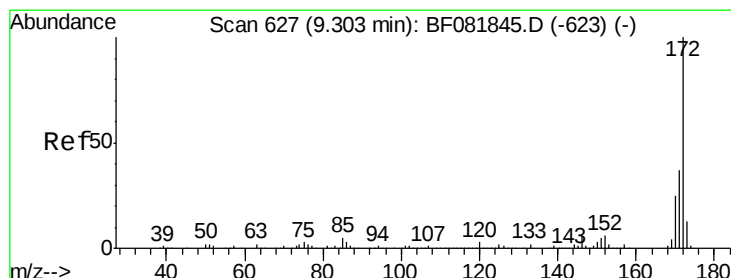
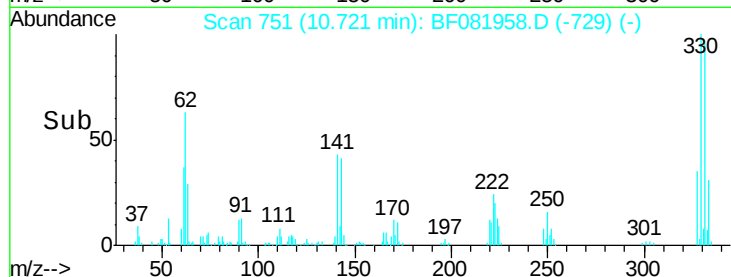
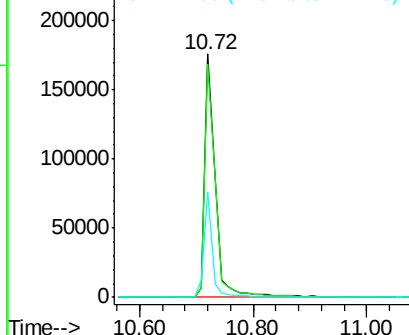
#41
 2,4,6-Tribromophenol
 Concen: 99.87 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.05 min
 Lab File: BF081958.D
 Acq: 2 Oct 2015 00:44

Instrument :
 BNA_F
 ClientSampleId :
 670-UNDERCLIFF-1

Tgt Ion:330 Resp: 214932
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 35.3 29.7 44.5

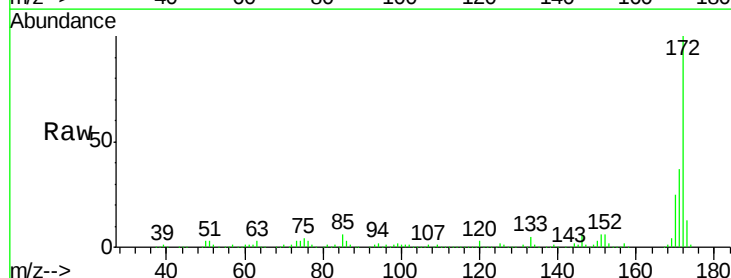


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

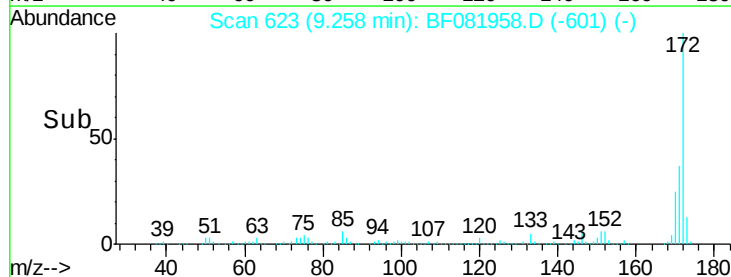
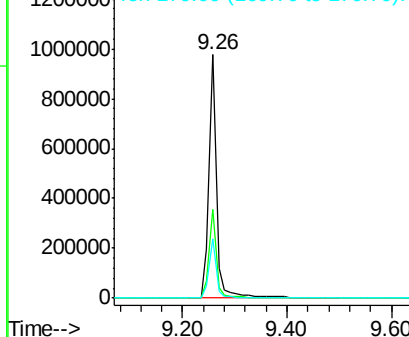


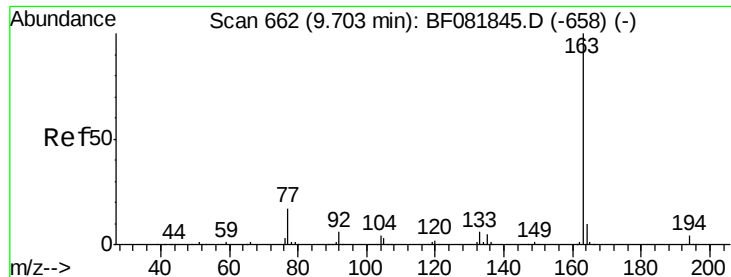
#44
 2-Fluorobiphenyl
 Concen: 77.15 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF081958.D
 Acq: 2 Oct 2015 00:44

Tgt Ion:172 Resp: 997434
 Ion Ratio Lower Upper
 172 100
 171 36.5 26.1 39.1
 170 24.6 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: 15.00 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.06 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-1

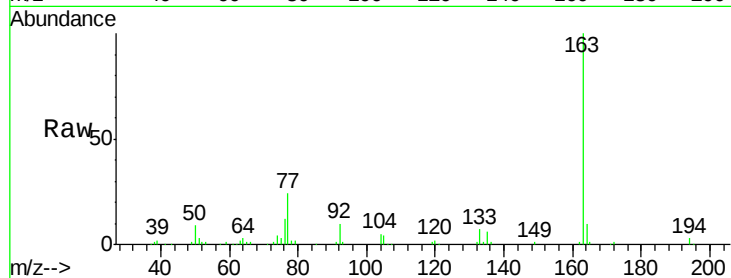
Tgt Ion:163 Resp: 220031

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

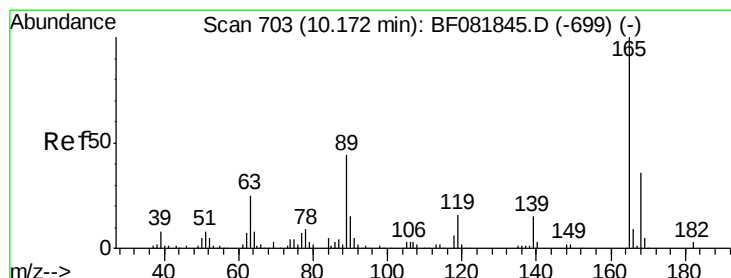
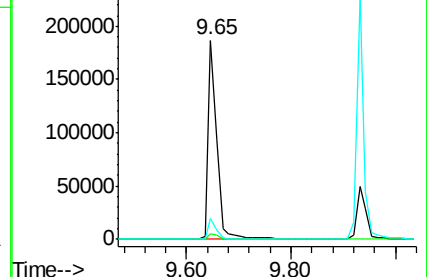
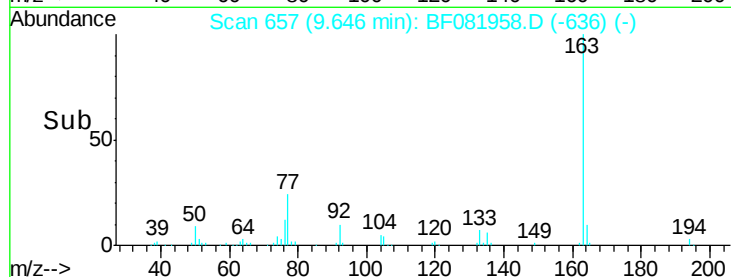
164 10.3 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.49 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.24 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

Tgt Ion:165 Resp: 26342

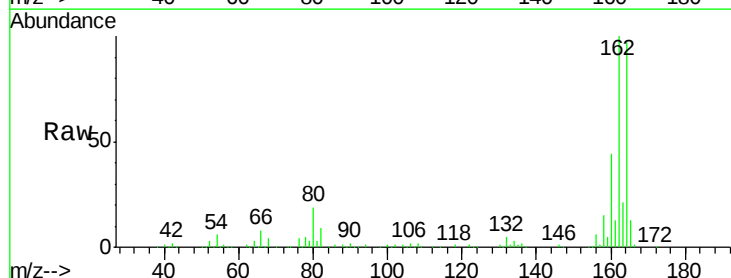
Ion Ratio Lower Upper

165 100

63 1.3 29.8 44.6#

89 1.4 44.5 66.7#

182 0.0 3.0 4.4#

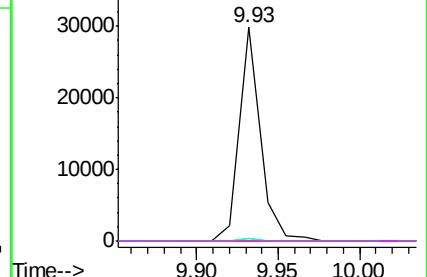
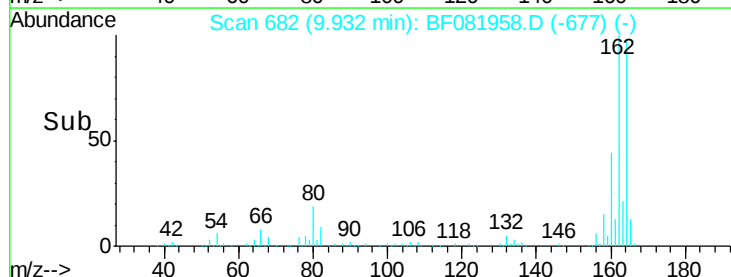


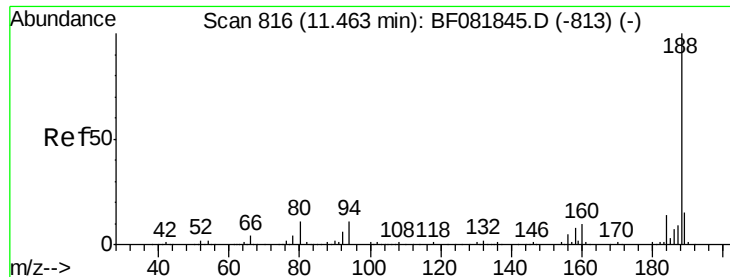
Abundance Ion 165.00 (164.70 to 165.70): E

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

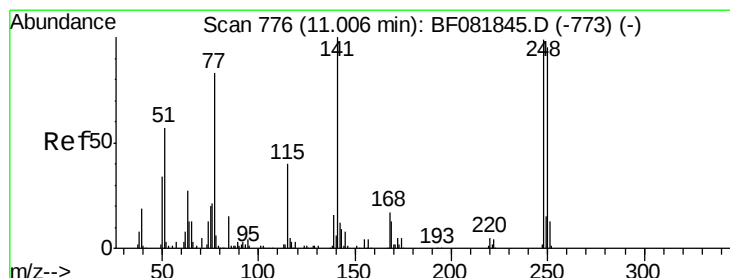
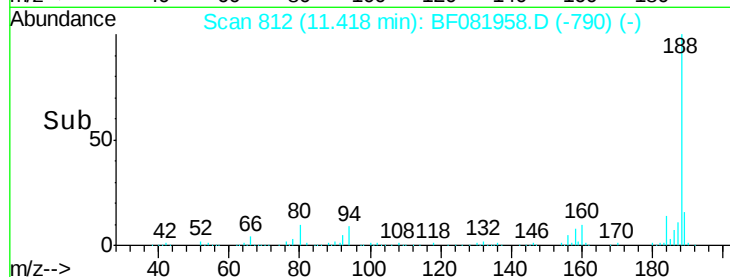
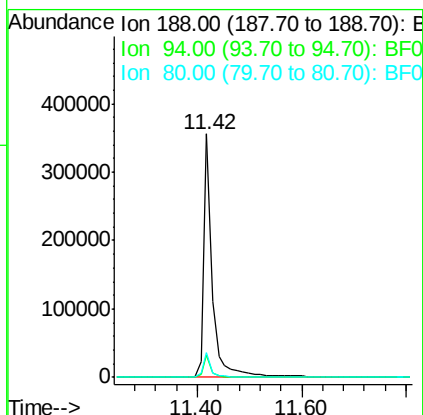
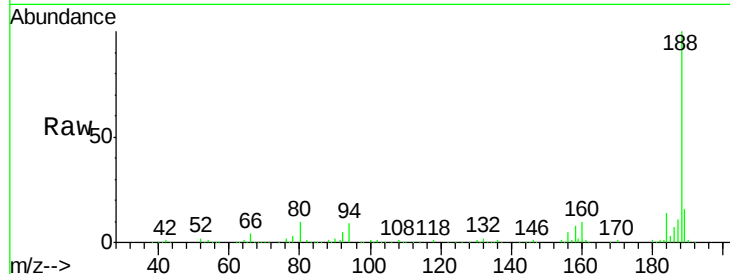




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.05 min
Lab File: BF081958.D
Acq: 2 Oct 2015 00:44

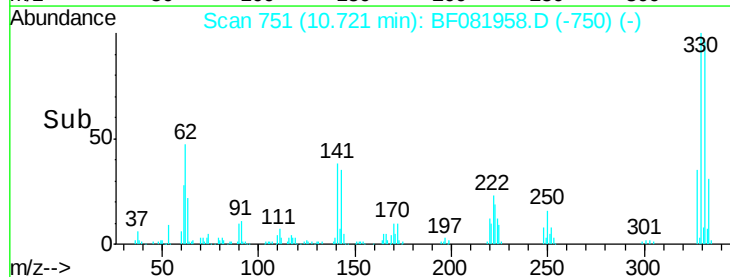
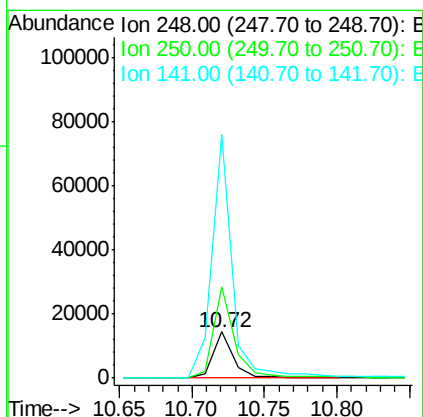
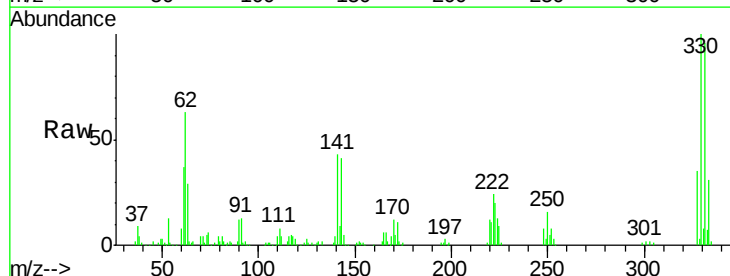
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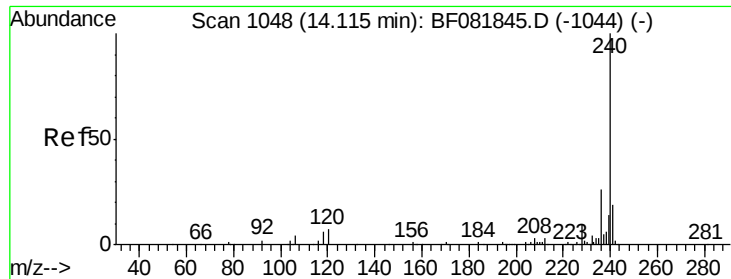
Tgt Ion:188 Resp: 413131
Ion Ratio Lower Upper
188 100
94 9.2 11.1 16.7#
80 10.0 11.0 16.4#



#66
4-Bromophenyl-phenylether
Concen: 3.39 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.29 min
Lab File: BF081958.D
Acq: 2 Oct 2015 00:44

Tgt Ion:248 Resp: 14135
Ion Ratio Lower Upper
248 100
250 197.0 78.5 117.7#
141 525.1 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

Instrument :

BNA_F

ClientSampleId :

670-UNDERCLIFF-1

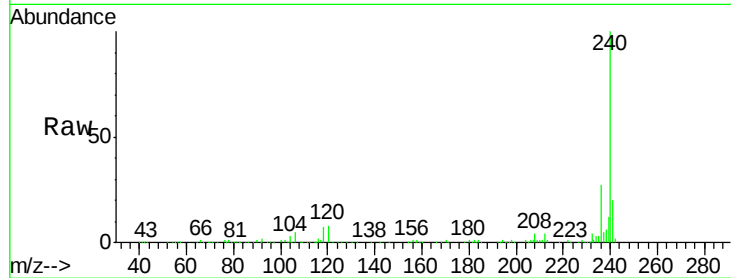
Tgt Ion:240 Resp: 388575

Ion Ratio Lower Upper

240 100

120 8.2 16.2 24.2#

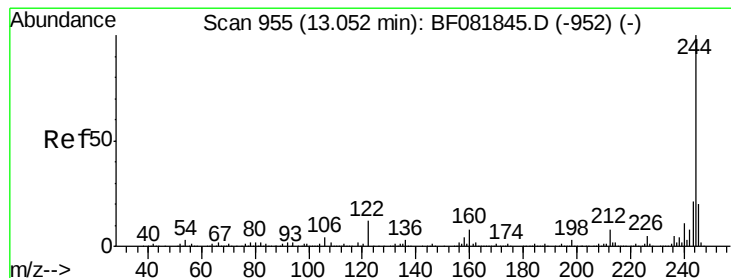
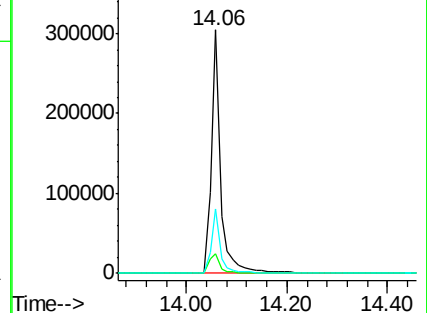
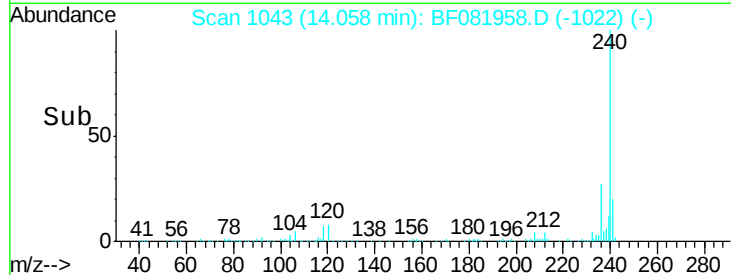
236 26.7 18.4 27.6



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: 84.87 ng

RT: 13.01 min Scan# 951

Delta R.T. -0.05 min

Lab File: BF081958.D

Acq: 2 Oct 2015 00:44

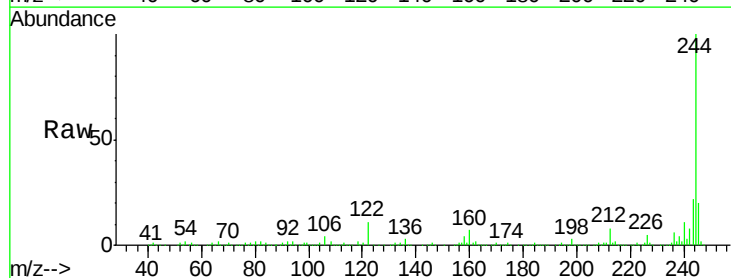
Tgt Ion:244 Resp: 1021510

Ion Ratio Lower Upper

244 100

212 7.7 4.3 6.5#

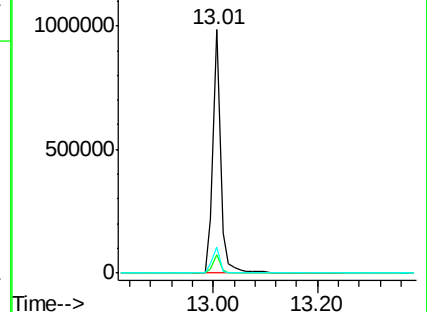
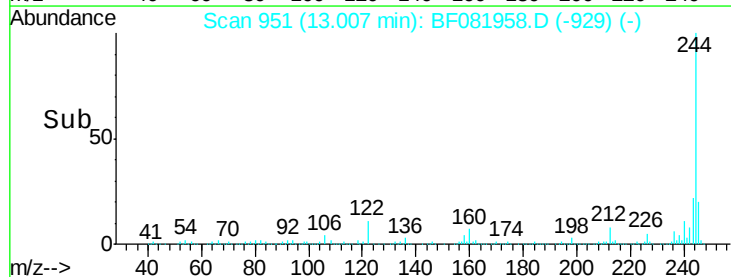
122 10.6 17.4 26.2#

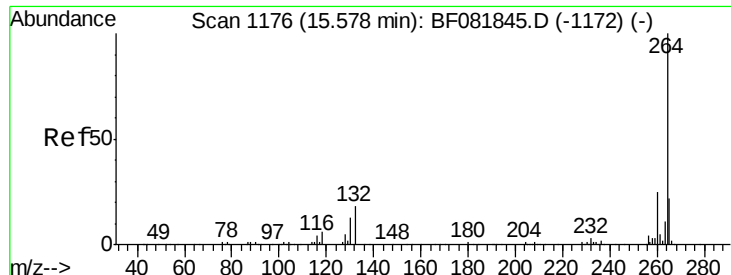


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

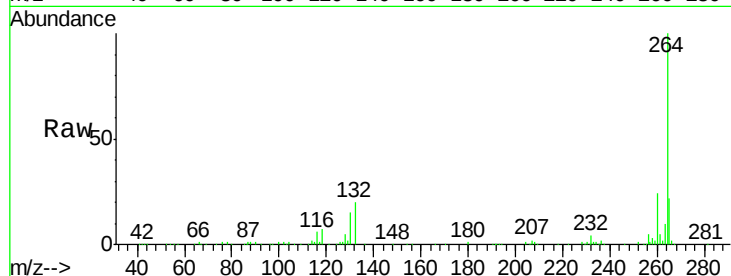




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1169
Delta R.T. -0.08 min
Lab File: BF081958.D
Acq: 2 Oct 2015 00:44

Instrument :
BNA_F
ClientSampleId :
670-UNDERCLIFF-1

Tgt Ion: 264 Resp: 286409
Ion Ratio Lower Upper
264 100
260 23.8 16.7 25.1
265 21.6 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

