

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
 Data File : BF081265.D
 Acq On : 28 Aug 2015 6:14
 Operator : UM/IZ
 Sample : G3430-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB1(2-4)

Quant Time: Aug 28 06:58:43 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

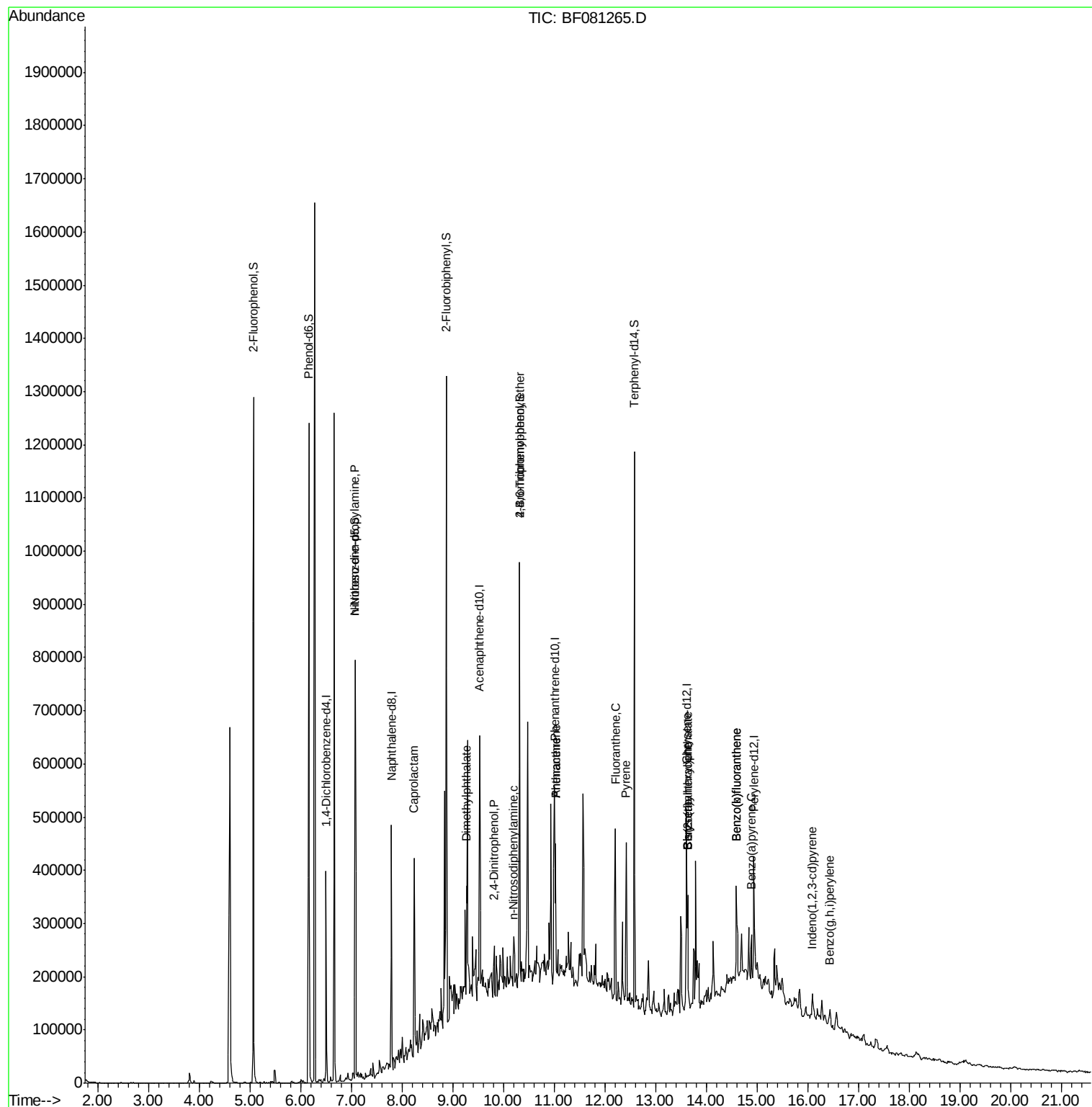
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	51003	20.00	ng	-0.04
21) Naphthalene-d8	7.79	136	199383	20.00	ng	-0.04
38) Acenaphthene-d10	9.53	164	84081	20.00	ng	-0.05
63) Phenanthrene-d10	11.01	188	152611	20.00	ng	-0.04
75) Chrysene-d12	13.61	240	102292	20.00	ng	-0.05
86) Perylene-d12	14.94	264	87672	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	400975	118.25	ng	-0.02
7) Phenol-d6	6.16	99	474623	107.28	ng	-0.04
23) Nitrobenzene-d5	7.07	82	310250	71.08	ng	-0.05
41) 2,4,6-Tribromophenol	10.32	330	80574	110.55	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	459581	71.62	ng	-0.04
78) Terphenyl-d14	12.58	244	303777	63.67	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.07	70	43038	14.04	ng	# 69
35) Caprolactam	8.24	113	5511	5.58	ng	# 47
49) Dimethylphthalate	9.27	163	61558	8.89	ng	99
53) 2,4-Dinitrophenol	9.82	184	365	3.18	ng	# 72
65) n-Nitrosodiphenylamine	10.19	169	11484	2.11	ng	# 41
66) 4-Bromophenyl-phenylether	10.32	248	6482	4.32	ng	# 1
70) Phenanthrene	11.03	178	116926	12.93	ng	98
71) Anthracene	11.03	178	116926	13.29	ng	98
74) Fluoranthene	12.21	202	153358	15.71	ng	98
77) Pyrene	12.42	202	116438	14.00	ng	98
80) Benzo(a)anthracene	13.64	228	108345	15.79	ng	96
82) Chrysene	13.64	228	108345	17.52	ng	97
83) Bis(2-ethylhexyl)phthalate	13.64	149	21509	4.70	ng	99
85) Indeno(1,2,3-cd)pyrene	16.09	276	25290	5.83	ng	# 88
87) Benzo(b)fluoranthene	14.60	252	96990	15.64	ng	# 94
88) Benzo(k)fluoranthene	14.60	252	97418	16.86	ng	97
89) Benzo(a)pyrene	14.89	252	35524	6.57	ng	# 96
91) Benzo(g,h,i)perylene	16.44	276	22078	5.17	ng	# 84

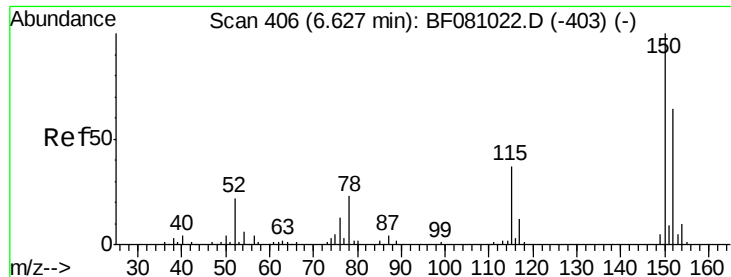
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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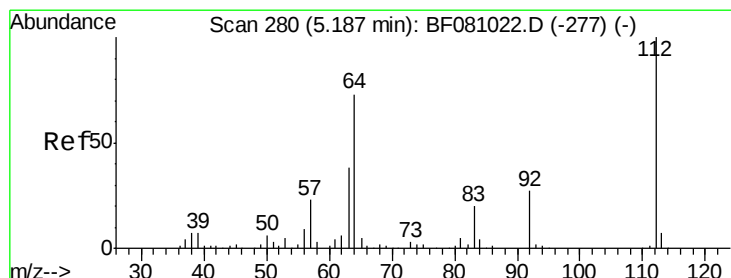
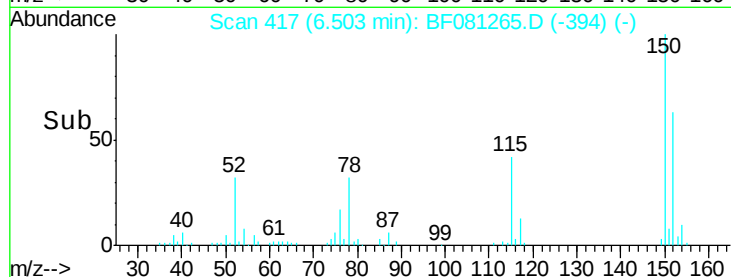
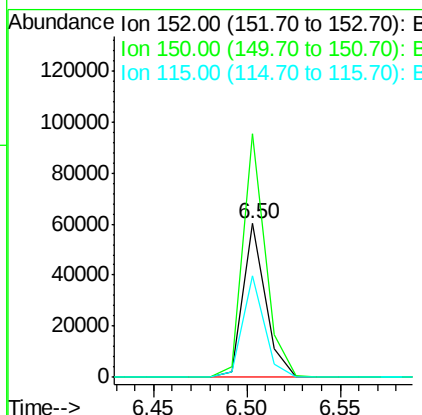
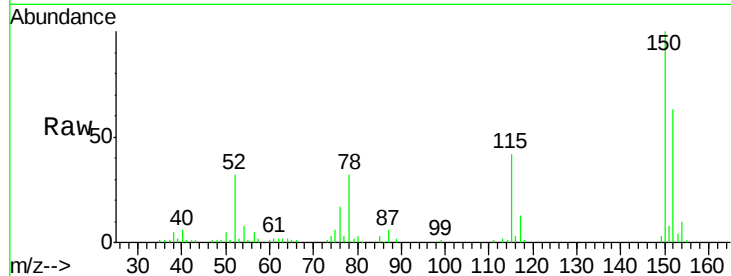




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.50 min Scan# 417
 Delta R.T. -0.04 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

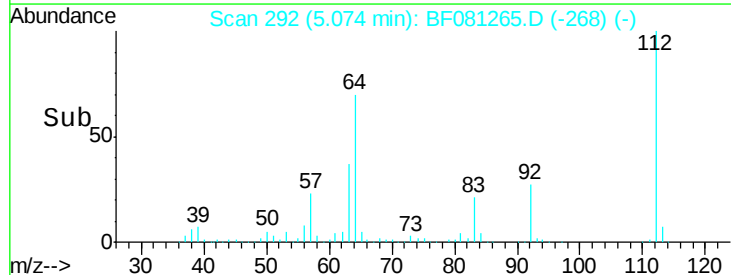
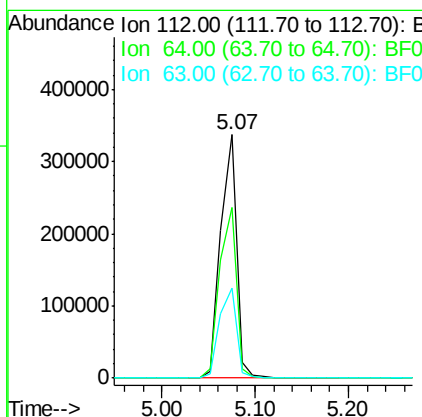
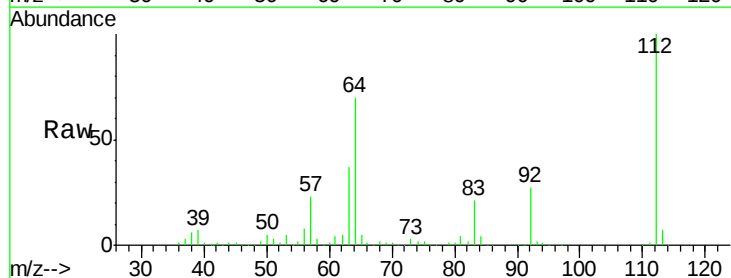
Instrument :
 BNA_F
 ClientSampleId :
 SB1(2-4)

Tgt Ion:152 Resp: 51003
 Ion Ratio Lower Upper
 152 100
 150 158.1 123.8 185.6
 115 66.2 52.1 78.1



#5
 2-Fluorophenol
 Concen: 118.25 ng
 RT: 5.07 min Scan# 292
 Delta R.T. -0.02 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

Tgt Ion:112 Resp: 400975
 Ion Ratio Lower Upper
 112 100
 64 70.3 66.9 100.3
 63 37.0 38.1 57.1#





#7

Phenol-d6

Concen: 107.28 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

SB1(2-4)

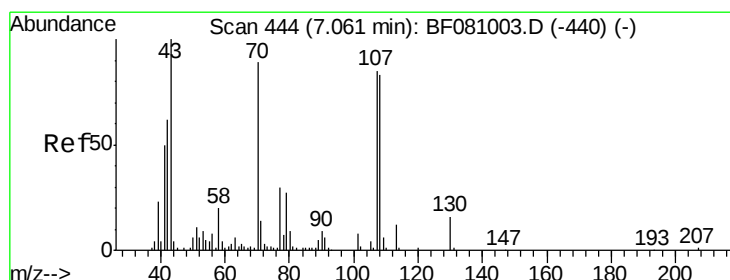
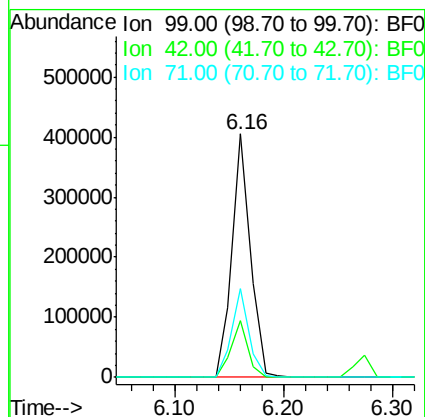
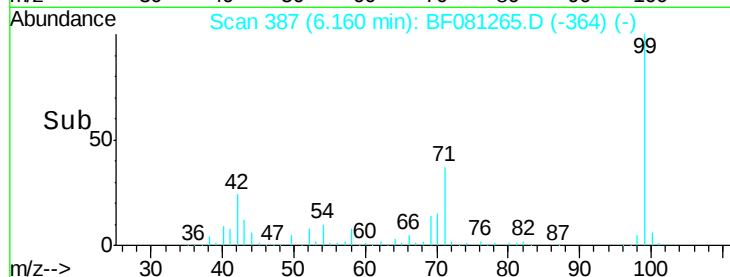
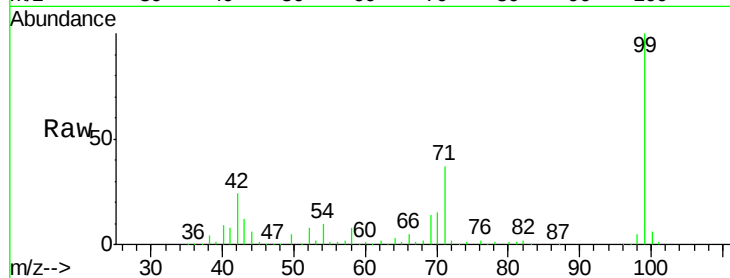
Tgt Ion: 99 Resp: 474623

Ion Ratio Lower Upper

99 100

42 23.5 19.6 29.4

71 36.7 31.2 46.8



#19

n-Nitroso-di-n-propylamine

Concen: 14.04 ng

RT: 7.07 min Scan# 467

Delta R.T. 0.09 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Tgt Ion: 70 Resp: 43038

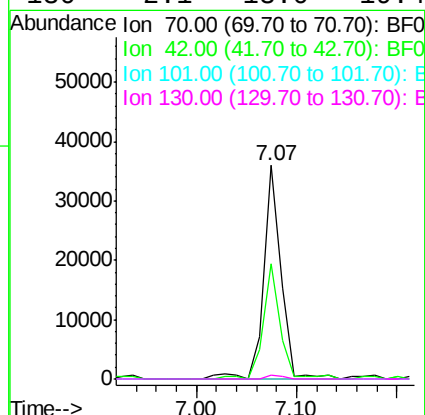
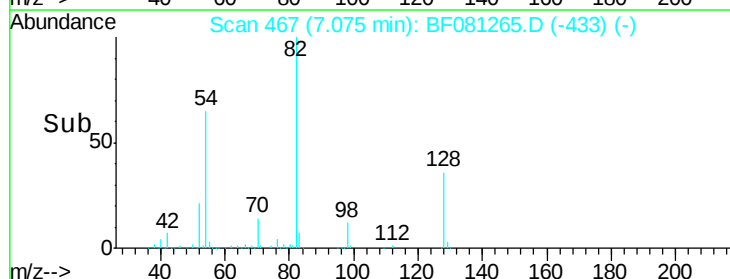
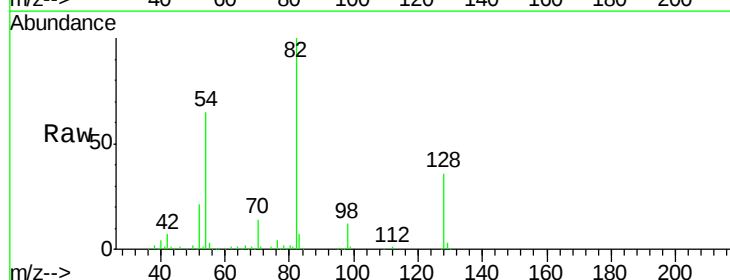
Ion Ratio Lower Upper

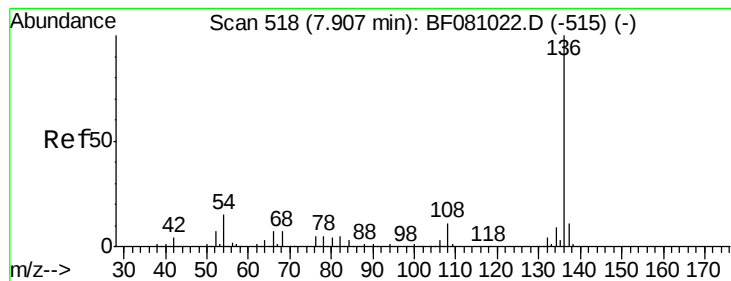
70 100

42 53.9 65.0 97.4#

101 0.0 7.4 11.2#

130 2.1 13.0 19.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 530

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

SB1(2-4)

Tgt Ion: 136 Resp: 199383

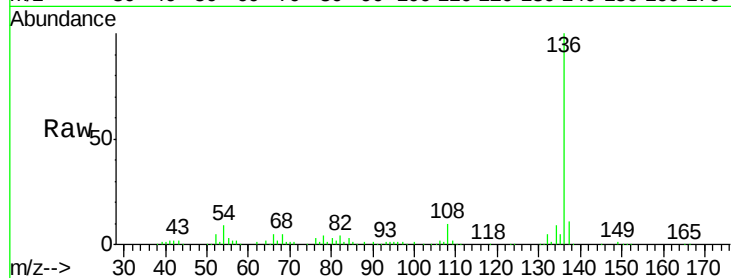
Ion Ratio Lower Upper

136 100

137 10.8 8.2 12.2

54 9.1 7.7 11.5

68 5.2 3.4 5.2#

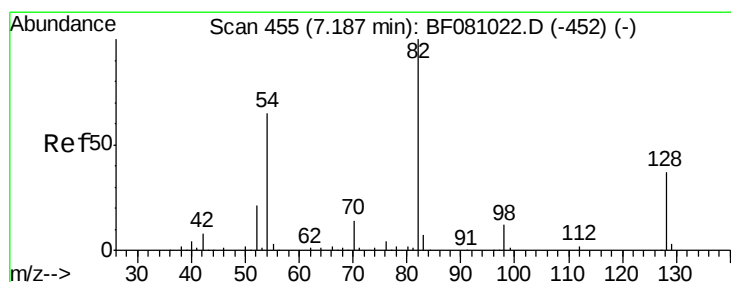
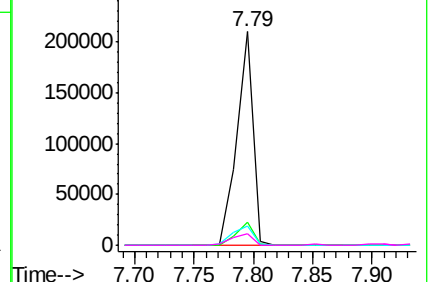
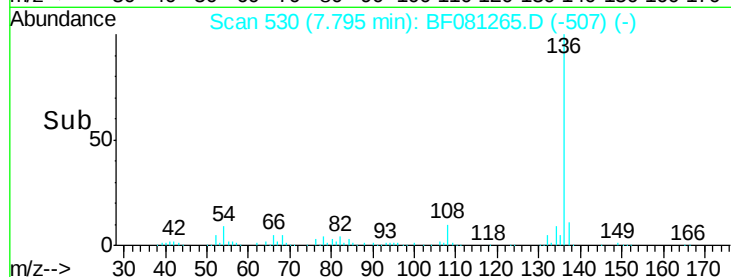


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.08 ng

RT: 7.07 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

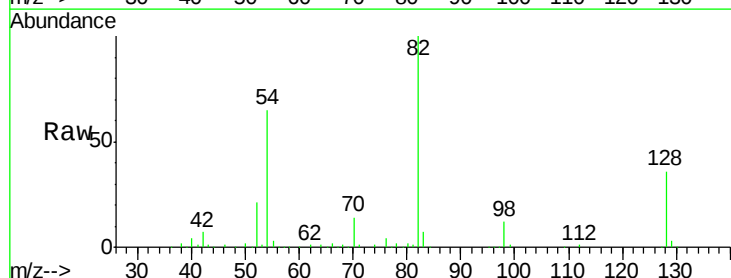
Tgt Ion: 82 Resp: 310250

Ion Ratio Lower Upper

82 100

128 35.8 28.6 42.8

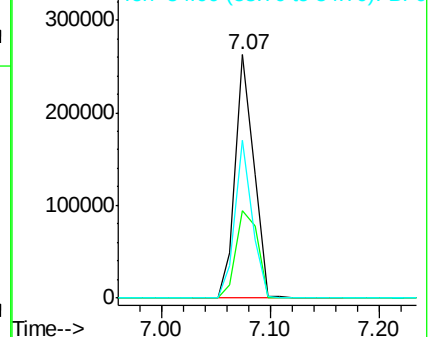
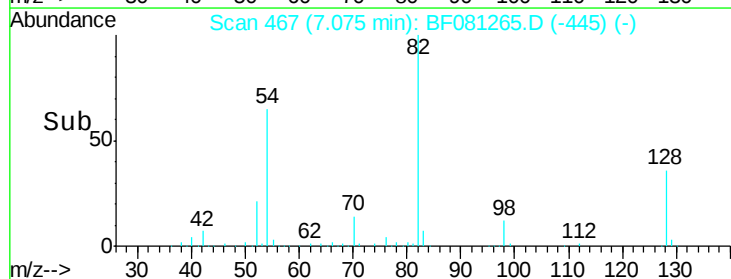
54 64.7 55.1 82.7

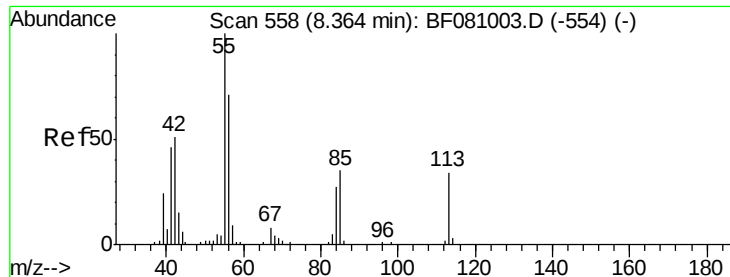


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

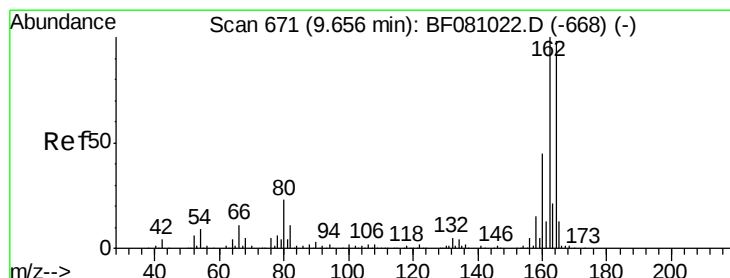
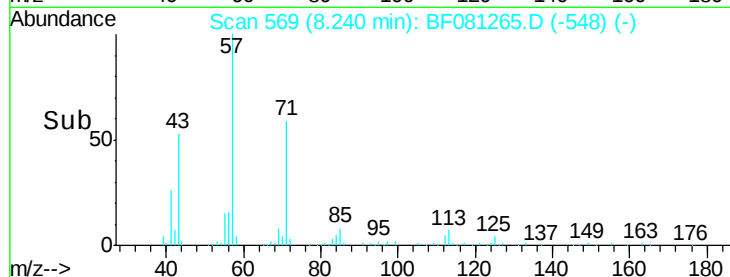
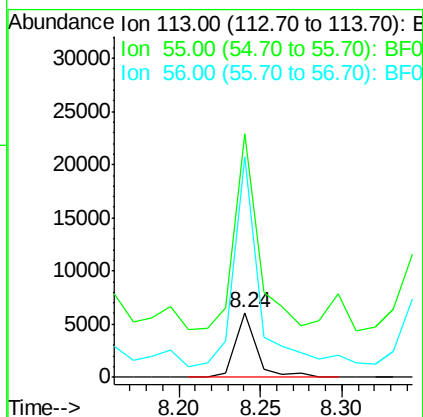
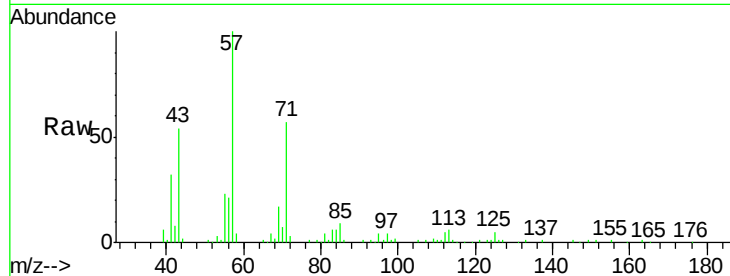




#35
 Caprolactam
 Concen: 5.58 ng
 RT: 8.24 min Scan# 569
 Delta R.T. -0.06 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

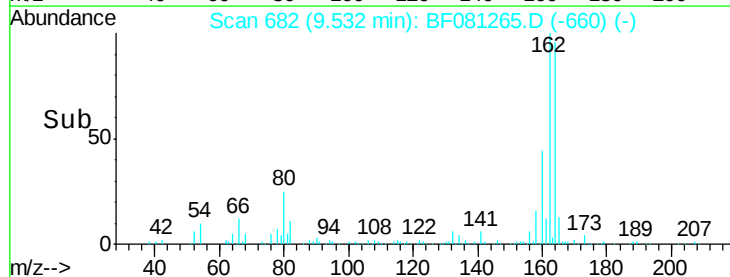
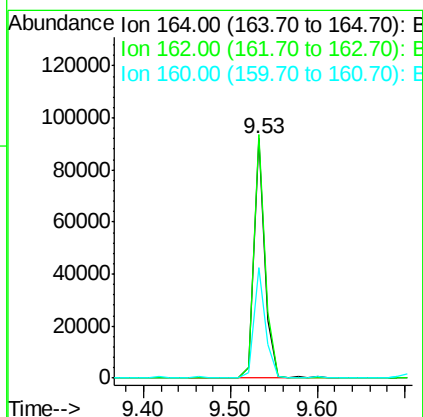
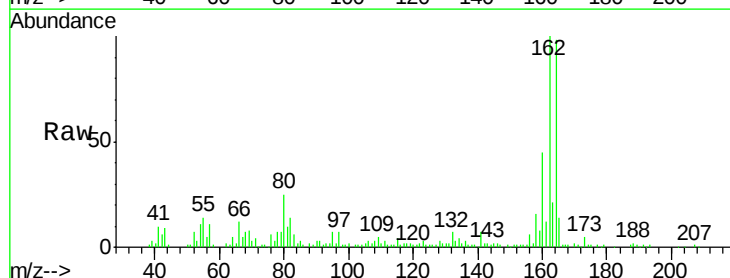
Instrument :
 BNA_F
 ClientSampleId :
 SB1(2-4)

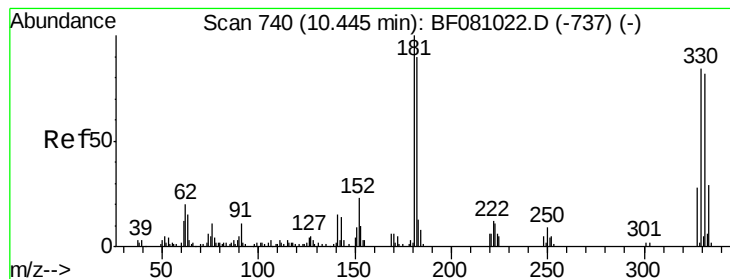
Tgt Ion:113 Resp: 5511
 Ion Ratio Lower Upper
 113 100
 55 376.8 280.4 320.4#
 56 341.4 205.9 245.9#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 682
 Delta R.T. -0.05 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

Tgt Ion:164 Resp: 84081
 Ion Ratio Lower Upper
 164 100
 162 101.6 83.8 125.8
 160 46.0 39.8 59.8





#41

2,4,6-Tribromophenol

Concen: 110.55 ng

RT: 10.32 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

SB1(2-4)

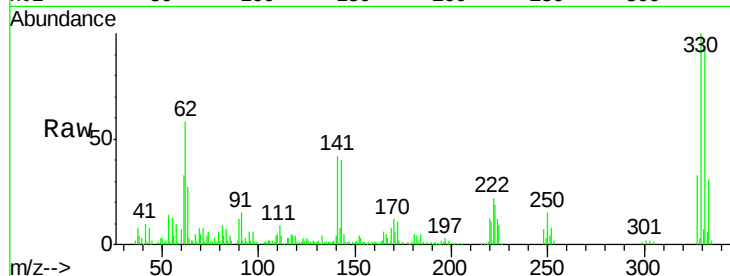
Tgt Ion:330 Resp: 80574

Ion Ratio Lower Upper

330 100

332 94.1 77.3 115.9

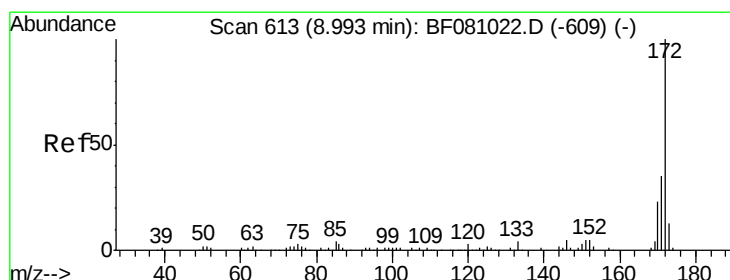
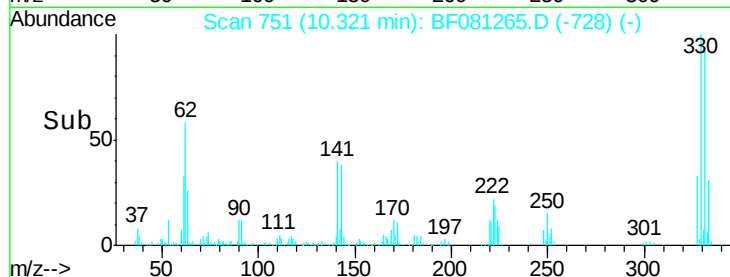
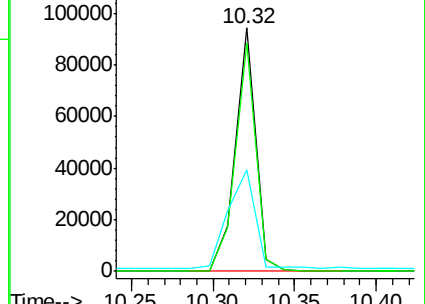
141 53.8 44.9 67.3



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: 71.62 ng

RT: 8.87 min Scan# 624

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

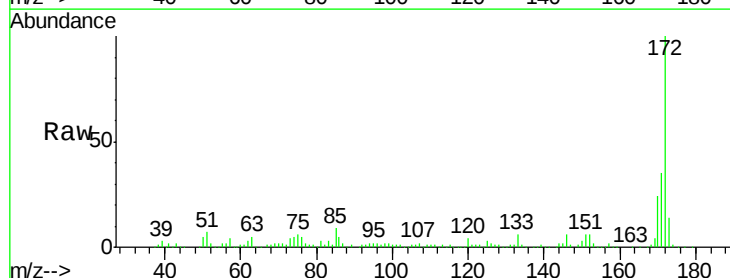
Tgt Ion:172 Resp: 459581

Ion Ratio Lower Upper

172 100

171 35.4 28.9 43.3

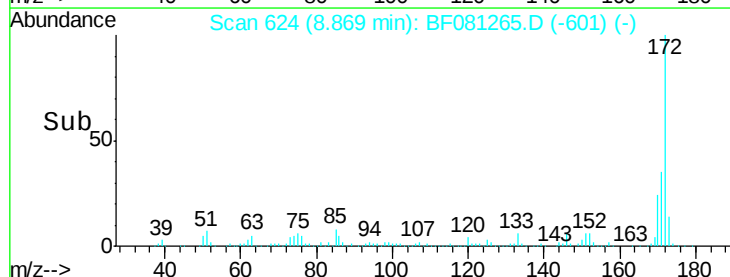
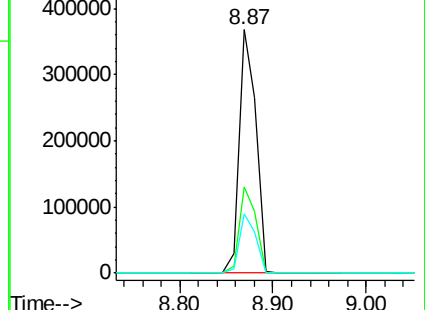
170 24.2 19.4 29.2

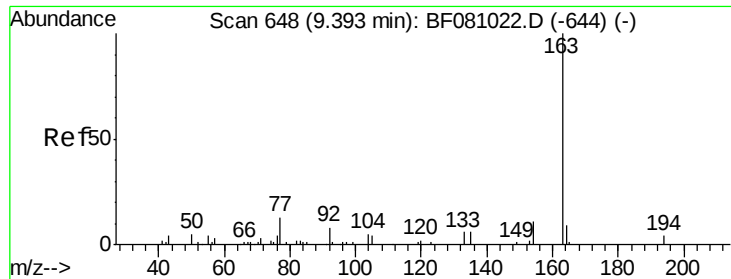


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 8.89 ng

RT: 9.27 min Scan# 659

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

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BNA_F

ClientSampleId :

SB1(2-4)

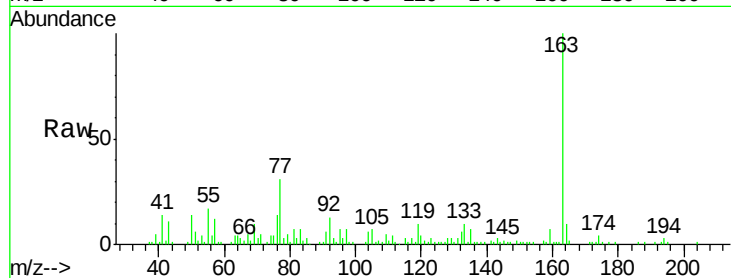
Tgt Ion:163 Resp: 61558

Ion Ratio Lower Upper

163 100

194 2.9 2.5 3.7

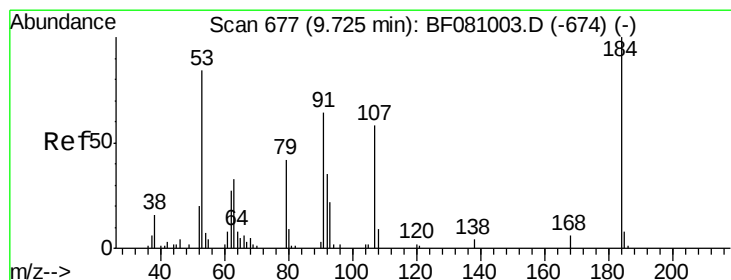
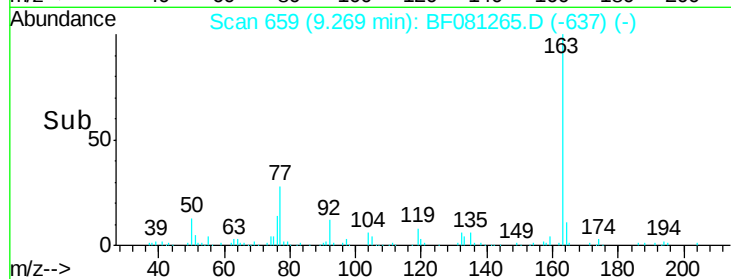
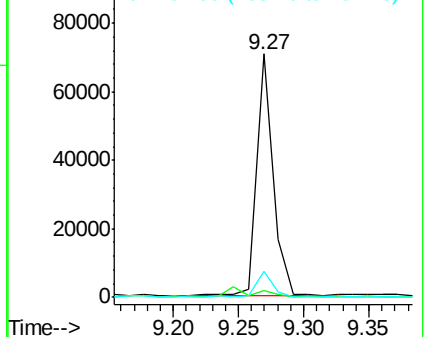
164 10.5 8.1 12.1



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: 3.18 ng

RT: 9.82 min Scan# 707

Delta R.T. 0.17 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

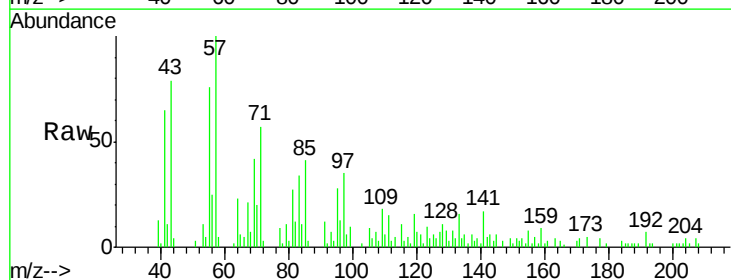
Tgt Ion:184 Resp: 365

Ion Ratio Lower Upper

184 100

63 78.2 101.7 152.5#

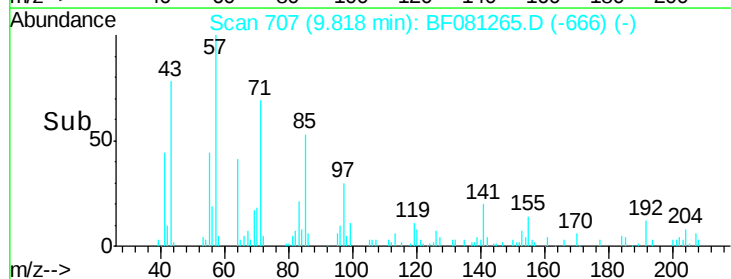
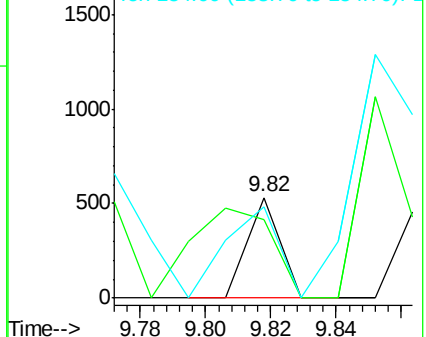
154 90.4 67.4 101.0

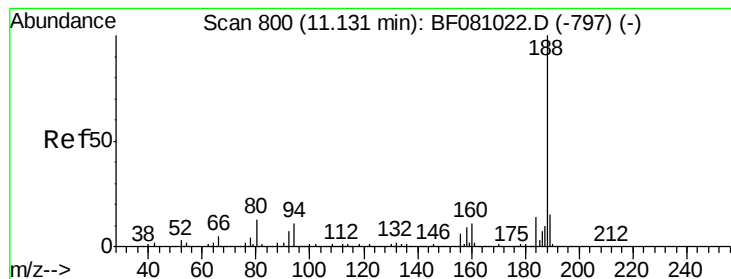


Abundance Ion 184.00 (183.70 to 184.70): E

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: 11.01 min Scan# 811

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

SB1(2-4)

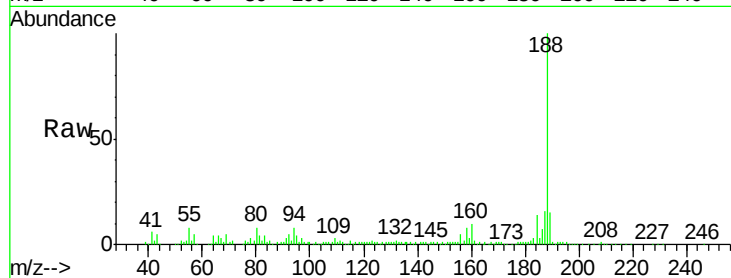
Tgt Ion:188 Resp: 152611

Ion Ratio Lower Upper

188 100

94 7.6 8.2 12.2#

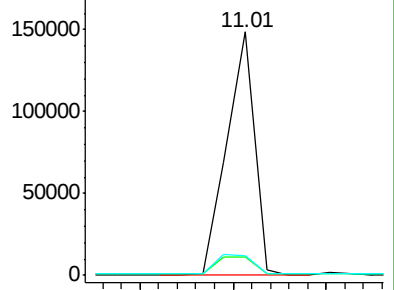
80 8.0 9.5 14.3#



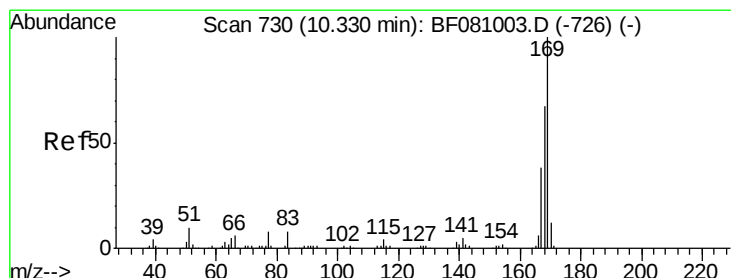
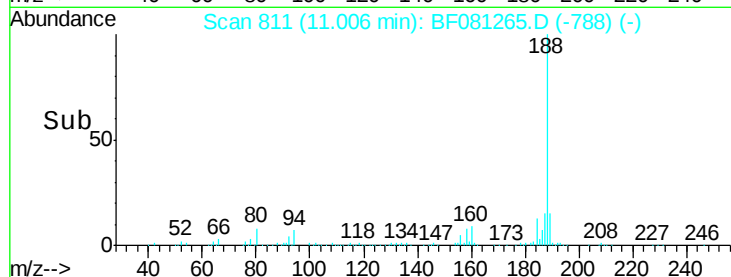
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#65

n-Nitrosodiphenylamine

Concen: 2.11 ng

RT: 10.19 min Scan# 740

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

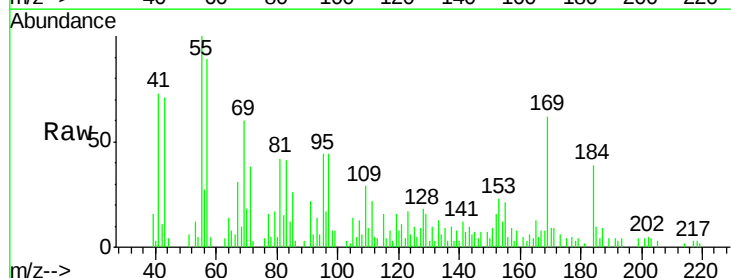
Tgt Ion:169 Resp: 11484

Ion Ratio Lower Upper

169 100

168 13.3 55.3 82.9#

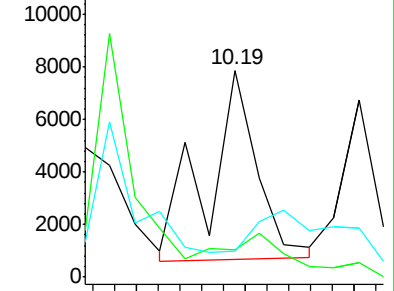
167 12.6 30.8 46.2#



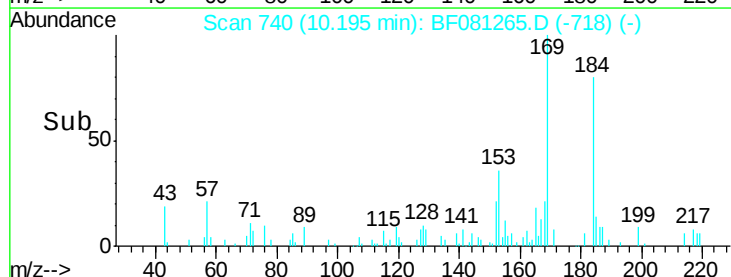
Abundance Ion 169.00 (168.70 to 169.70): E

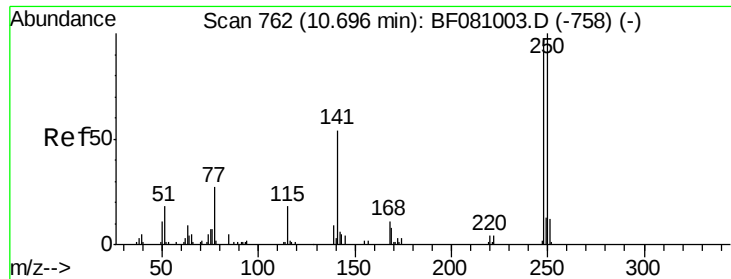
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

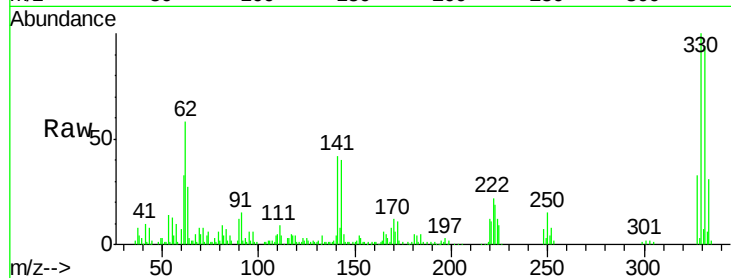




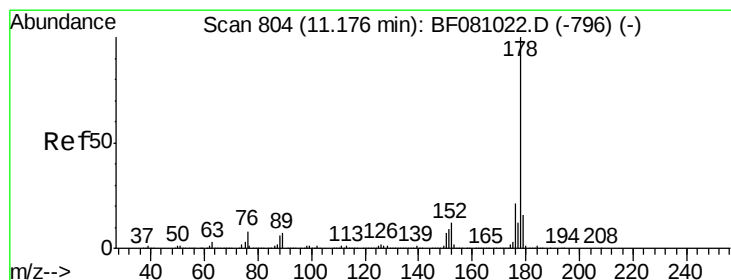
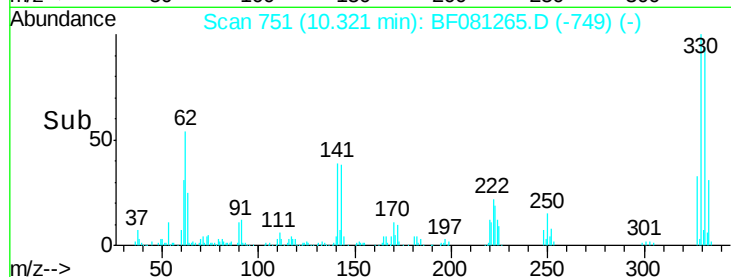
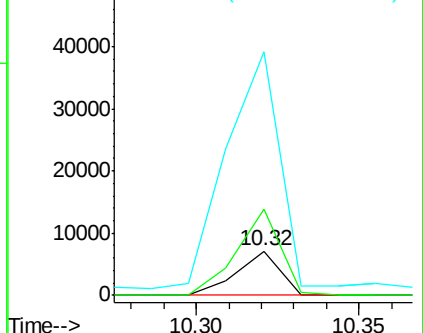
#66
 4-Bromophenyl-phenylether
 Concen: 4.32 ng
 RT: 10.32 min Scan# 751
 Delta R.T. -0.28 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

Instrument :
 BNA_F
 ClientSampleId :
 SB1(2-4)

Tgt Ion: 248 Resp: 6482
 Ion Ratio Lower Upper
 248 100
 250 196.5 77.8 116.6#
 141 554.1 39.8 59.6#

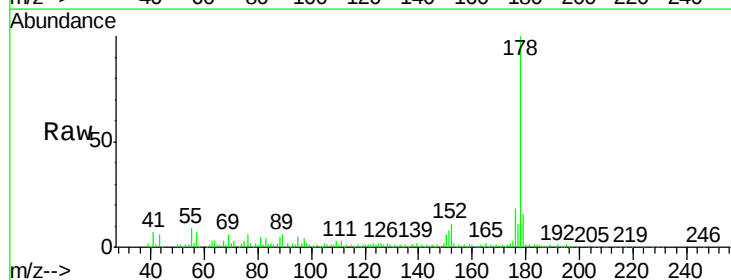


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

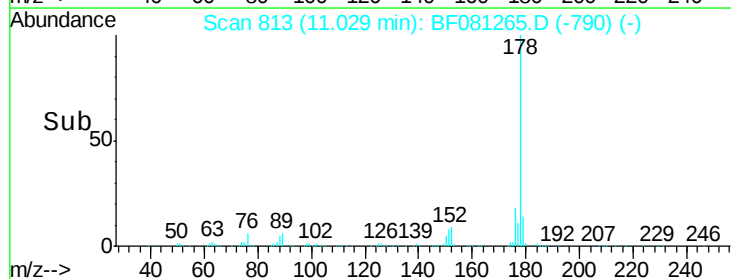
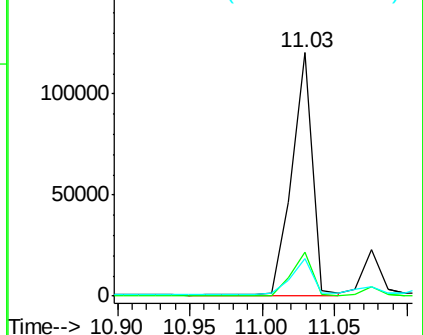


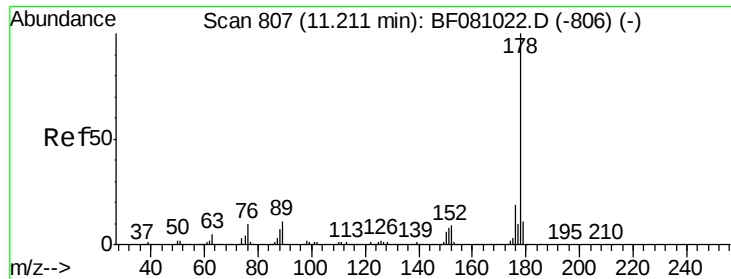
#70
 Phenanthrene
 Concen: 12.93 ng
 RT: 11.03 min Scan# 813
 Delta R.T. -0.04 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

Tgt Ion: 178 Resp: 116926
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 15.5 12.2 18.2



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

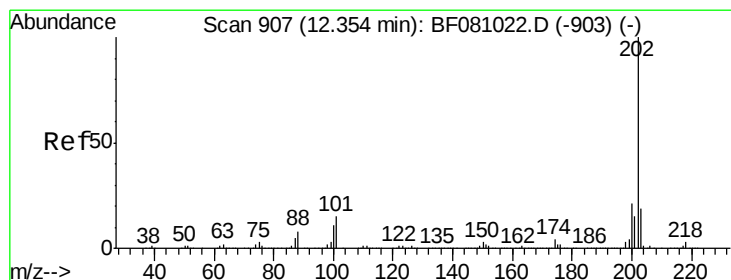
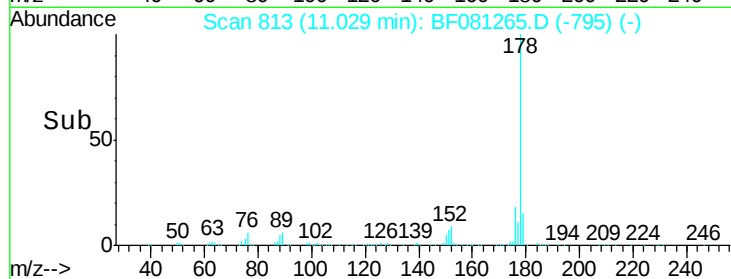
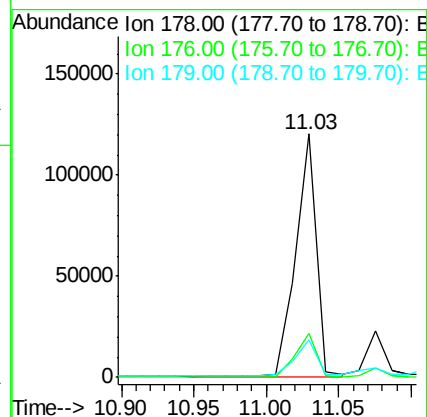
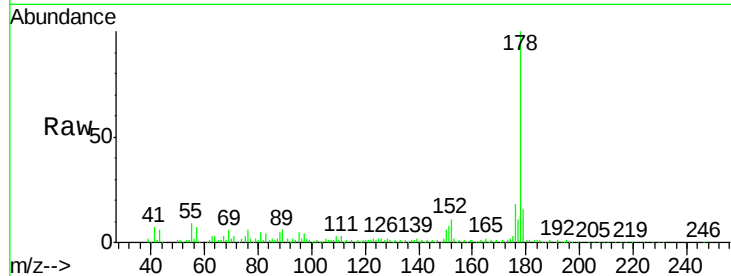




#71
 Anthracene
 Concen: 13.29 ng
 RT: 11.03 min Scan# 813
 Delta R.T. -0.09 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

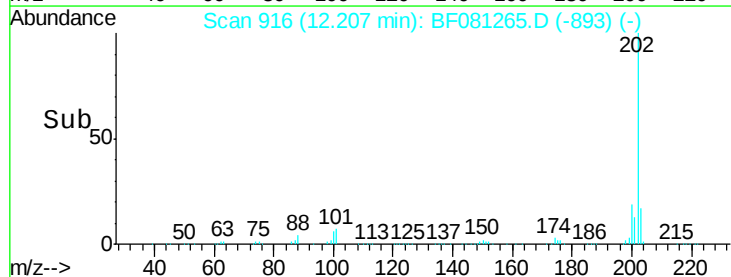
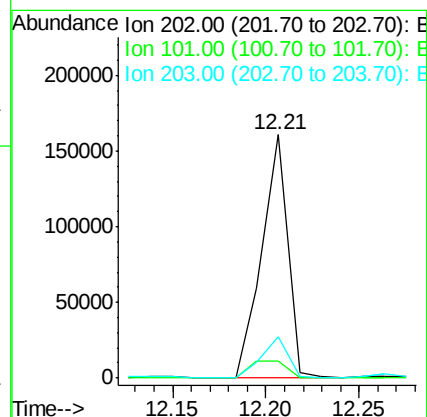
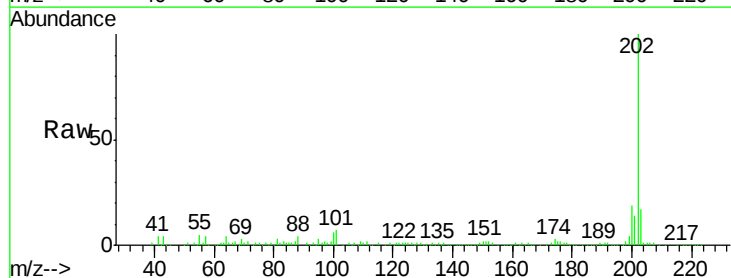
Instrument :
 BNA_F
 ClientSampleId :
 SB1(2-4)

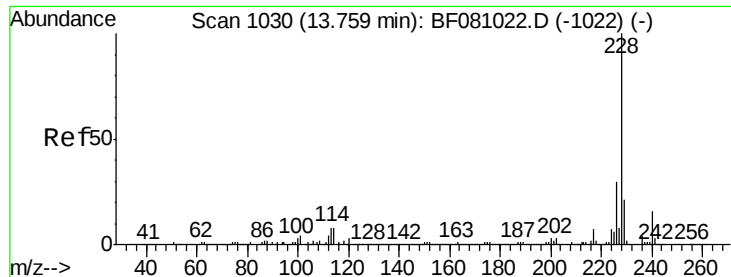
Tgt Ion:178 Resp: 116926
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 15.5 12.7 19.1



#74
 Fluoranthene
 Concen: 15.71 ng
 RT: 12.21 min Scan# 916
 Delta R.T. -0.04 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

Tgt Ion:202 Resp: 153358
 Ion Ratio Lower Upper
 202 100
 101 6.9 0.0 24.8
 203 17.0 0.0 36.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

SB1(2-4)

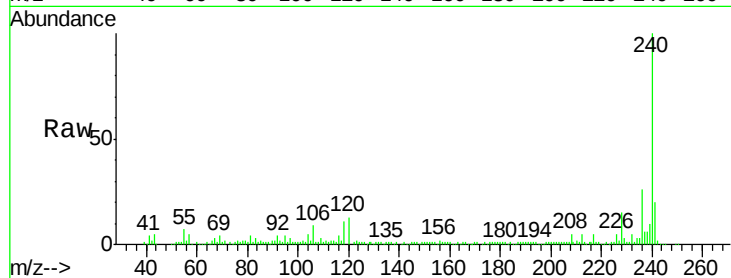
Tgt Ion:240 Resp: 102292

Ion Ratio Lower Upper

240 100

120 12.5 5.6 8.4#

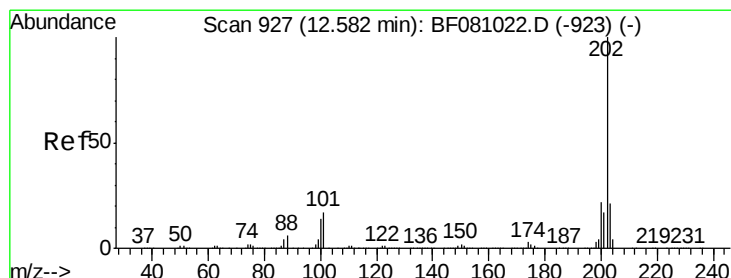
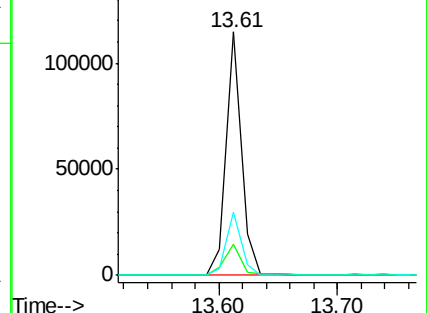
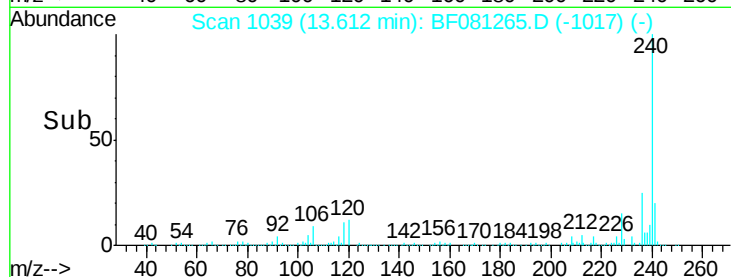
236 25.9 20.6 30.8



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: 14.00 ng

RT: 12.42 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

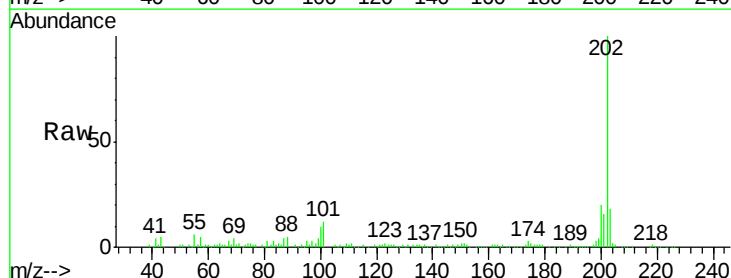
Tgt Ion:202 Resp: 116438

Ion Ratio Lower Upper

202 100

200 19.7 16.6 24.8

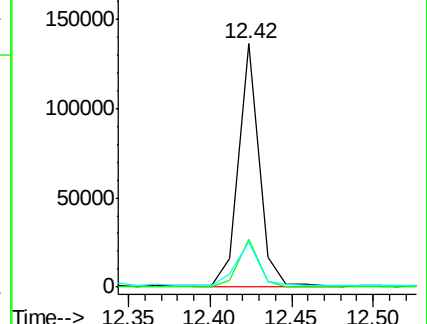
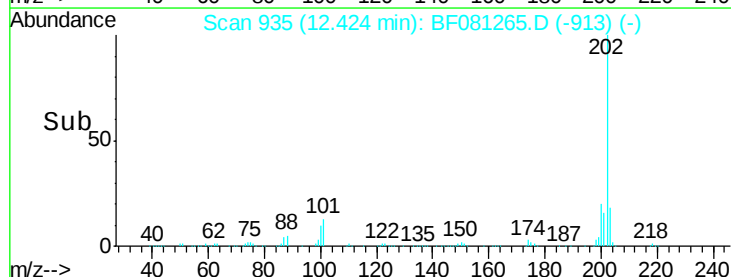
203 18.5 14.1 21.1

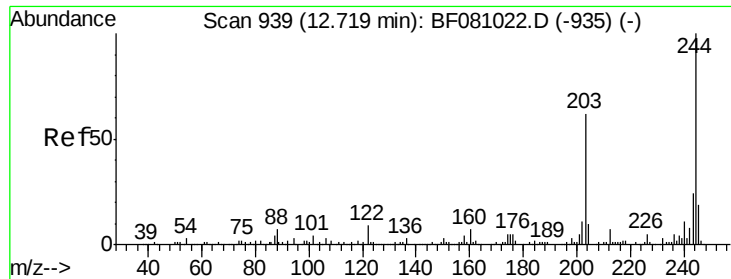


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

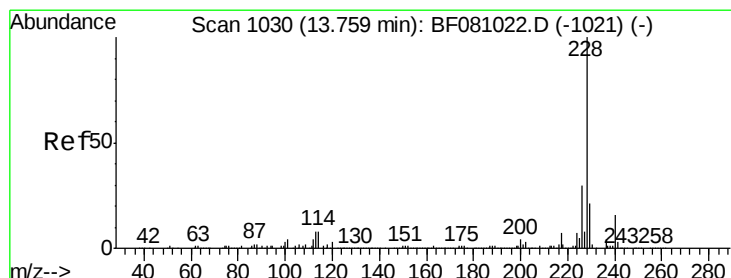
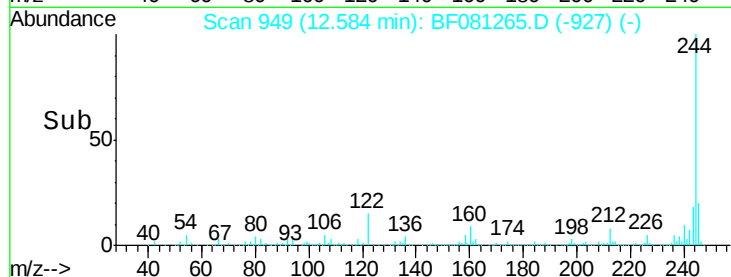
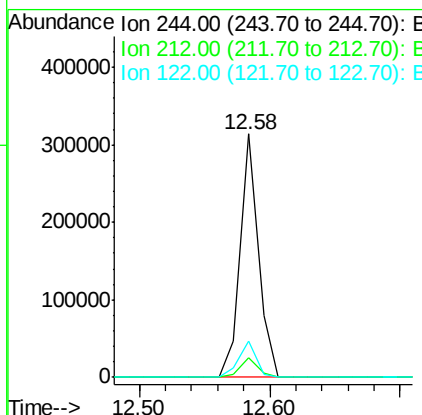
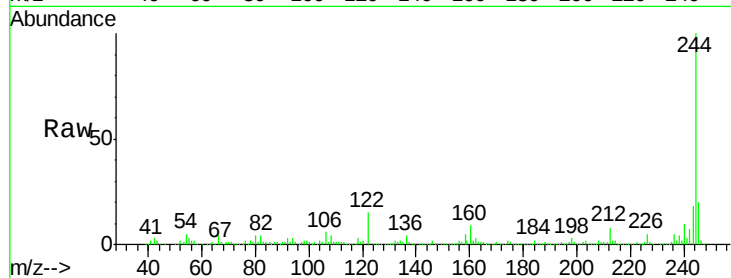




#78
 Terphenyl-d14
 Concen: 63.67 ng
 RT: 12.58 min Scan# 949
 Delta R.T. -0.05 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

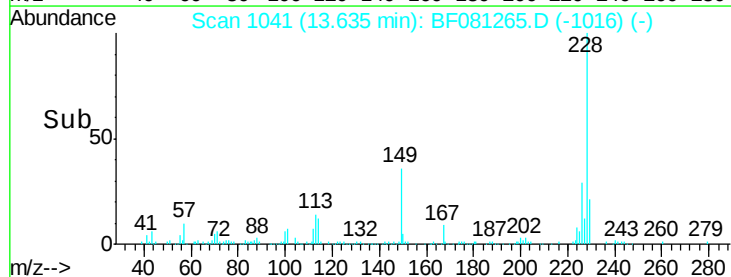
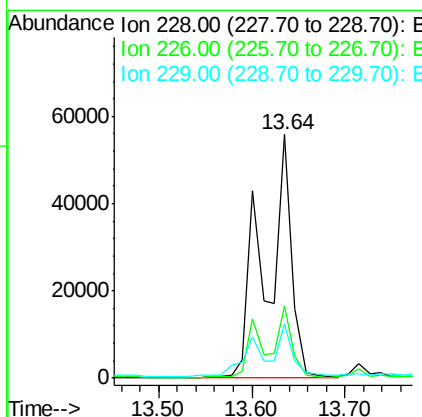
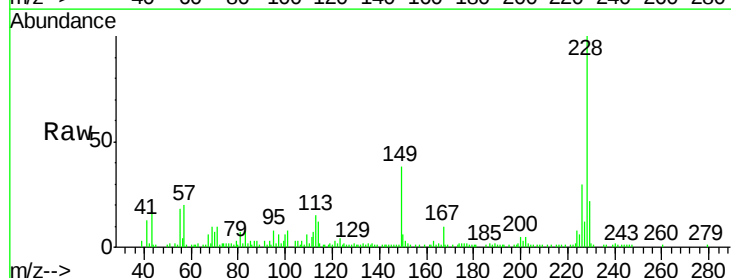
Instrument :
 BNA_F
 ClientSampleId :
 SB1(2-4)

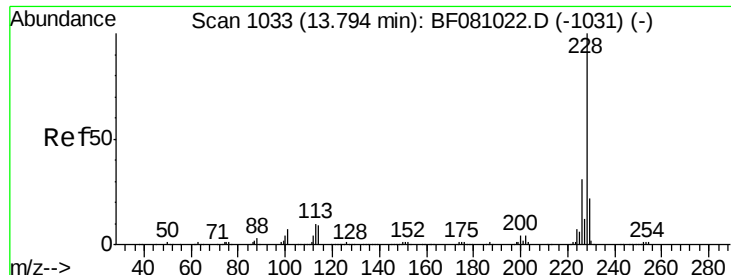
Tgt Ion:244 Resp: 303777
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.8 8.8
 122 14.9 8.2 12.4#



#80
 Benzo(a)anthracene
 Concen: 15.79 ng
 RT: 13.64 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

Tgt Ion:228 Resp: 108345
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.3 33.5
 229 22.2 15.9 23.9





#82

Chrysene

Concen: 17.52 ng

RT: 13.64 min Scan# 1041

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

SB1(2-4)

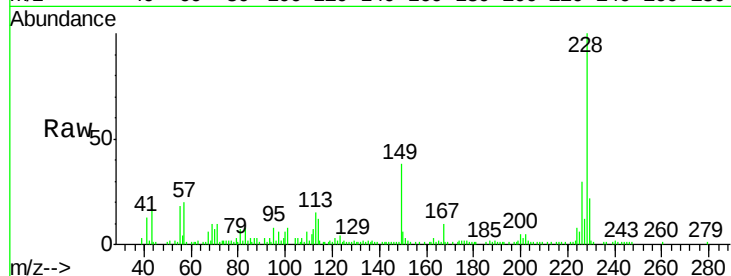
Tgt Ion:228 Resp: 108345

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

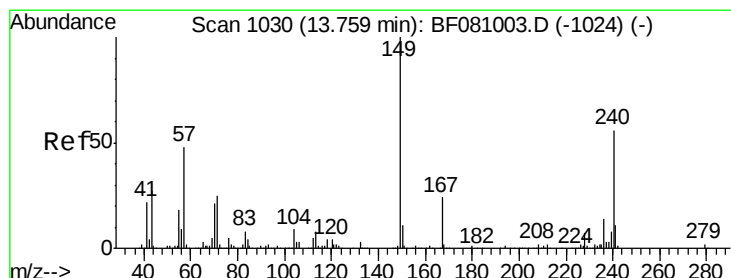
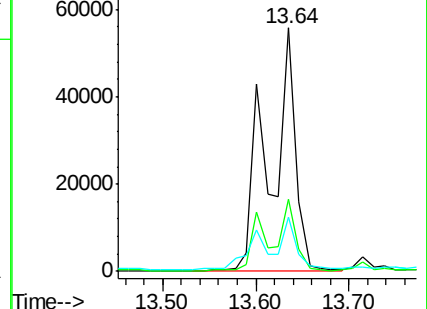
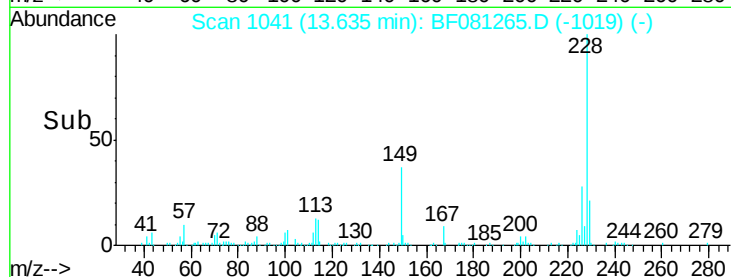
229 22.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.70 ng

RT: 13.64 min Scan# 1041

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

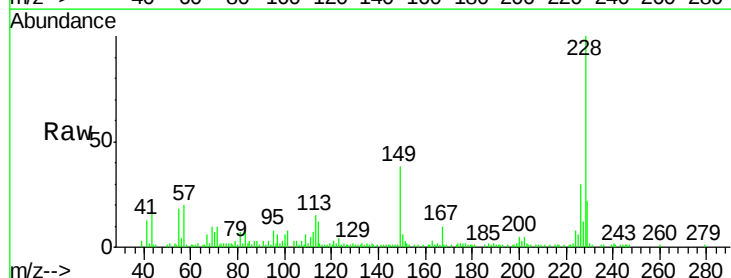
Tgt Ion:149 Resp: 21509

Ion Ratio Lower Upper

149 100

167 25.4 20.7 31.1

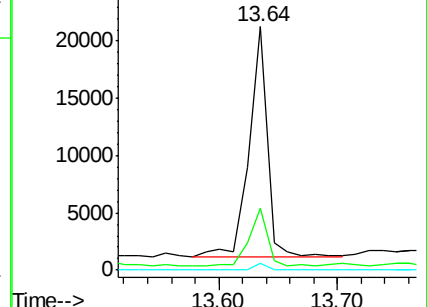
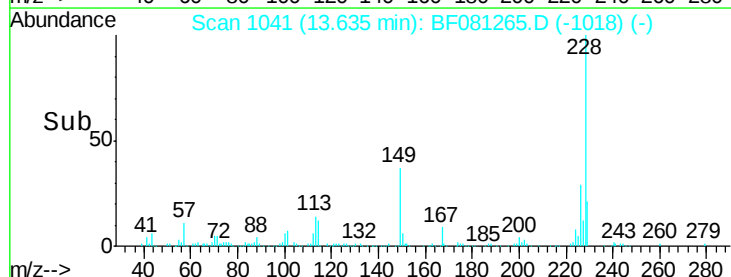
279 2.6 2.2 3.4

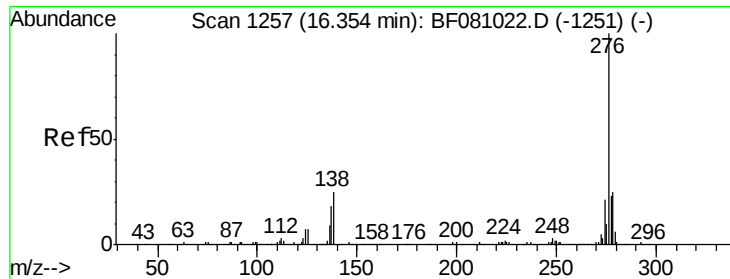


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

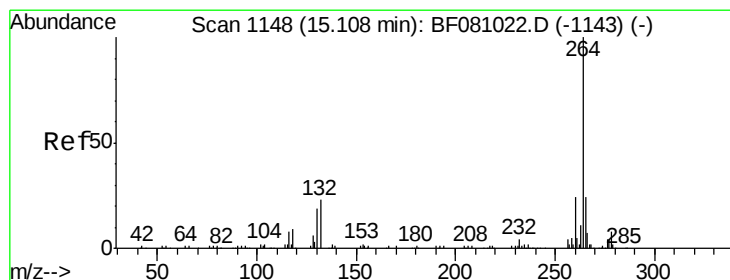
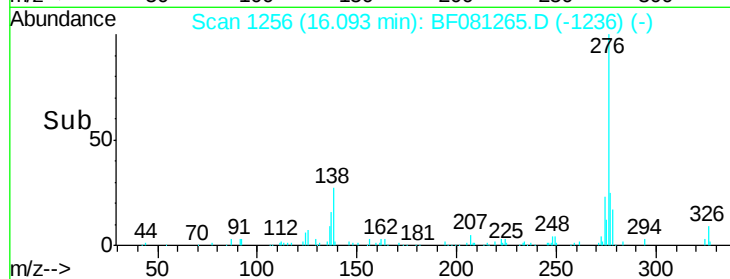
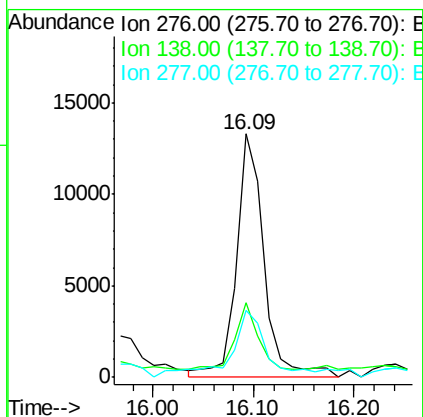
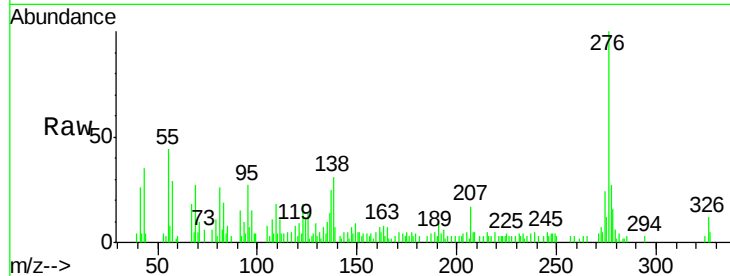




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.83 ng
 RT: 16.09 min Scan# 1256
 Delta R.T. -0.07 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

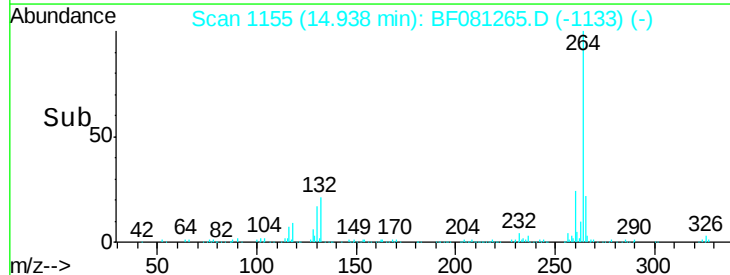
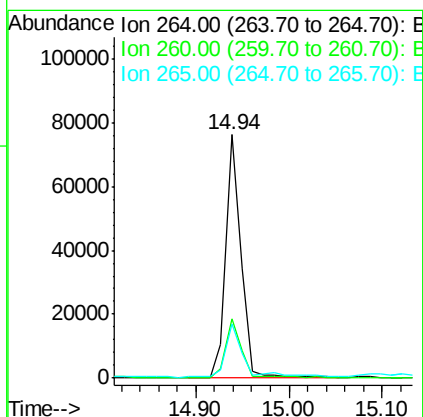
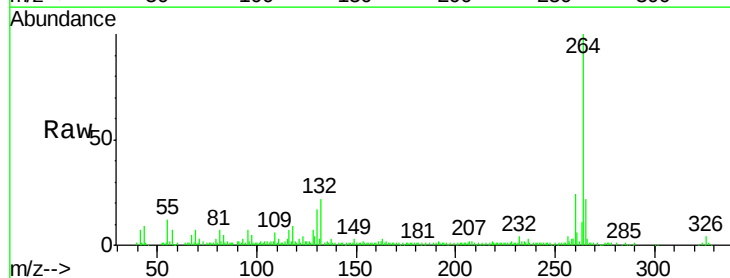
Instrument :
 BNA_F
 ClientSampleId :
 SB1(2-4)

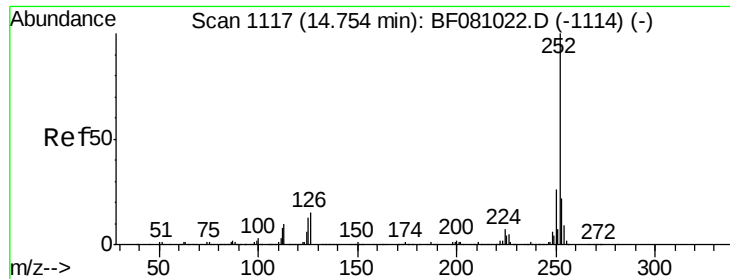
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.6	28.0
277	36.4	19.8	29.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.94 min Scan# 1155
 Delta R.T. -0.05 min
 Lab File: BF081265.D
 Acq: 28 Aug 2015 6:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.3	17.5	26.3

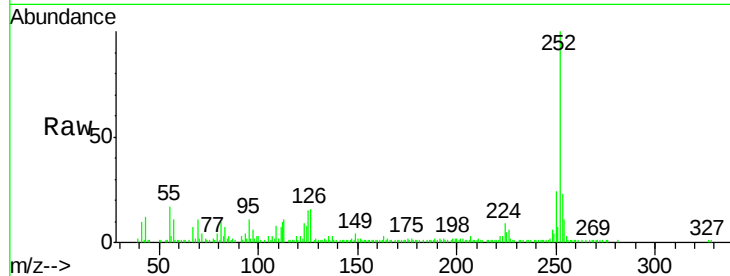




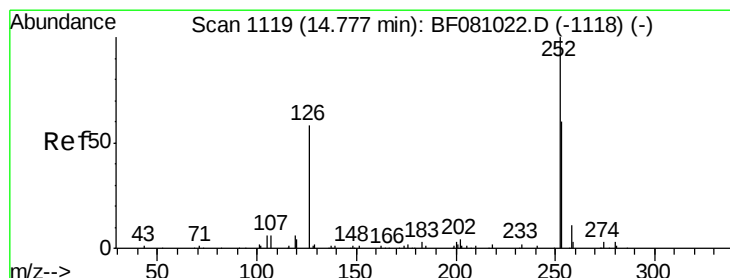
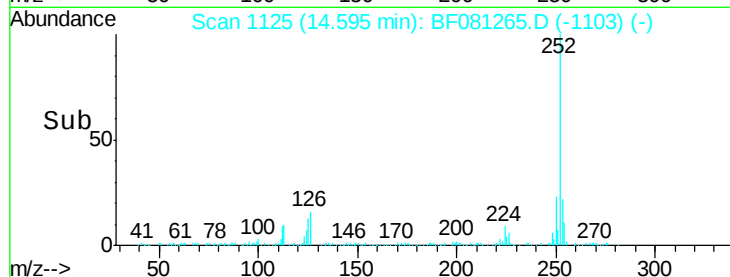
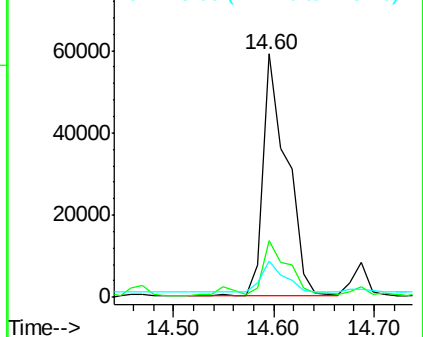
#87
Benzo(b)fluoranthene
Concen: 15.64 ng
RT: 14.60 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB1(2-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.7	8.0	12.0#

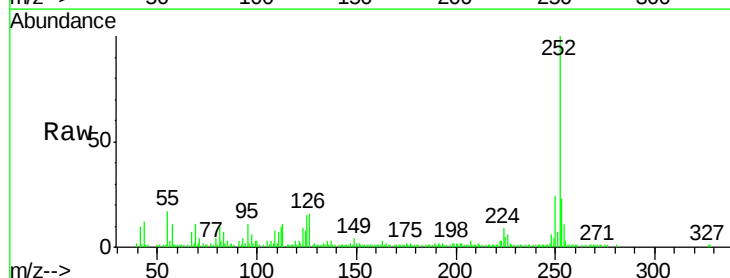


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

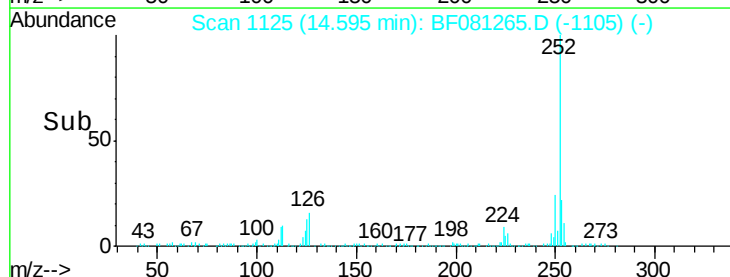
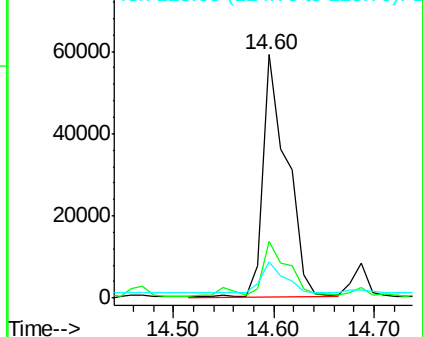


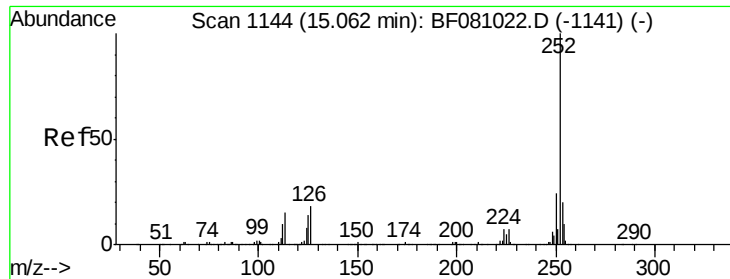
#88
Benzo(k)fluoranthene
Concen: 16.86 ng
RT: 14.60 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	14.7	10.3	15.5



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





#89

Benzo(a)pyrene

Concen: 6.57 ng

RT: 14.89 min Scan# 1151

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

SB1(2-4)

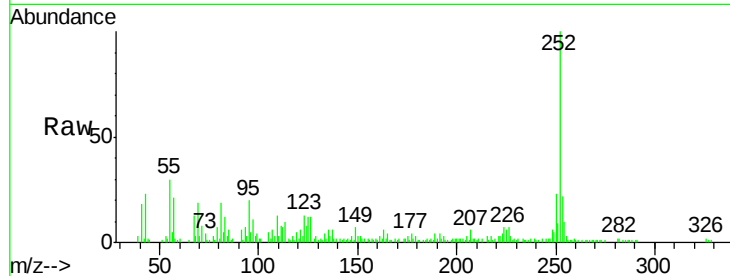
Tgt Ion:252 Resp: 35524

Ion Ratio Lower Upper

252 100

253 22.3 16.6 25.0

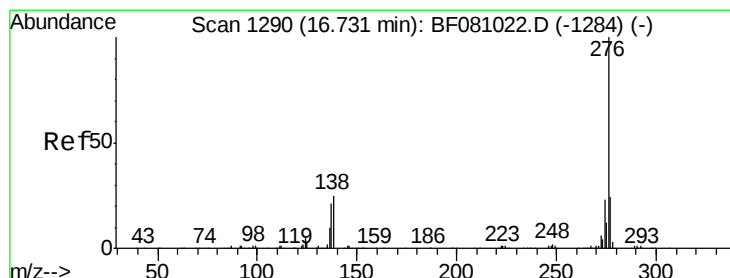
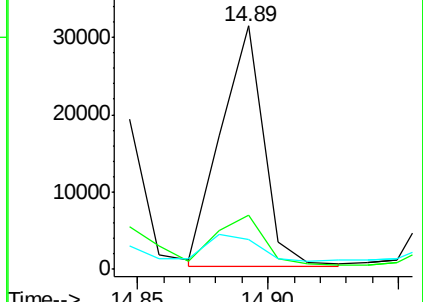
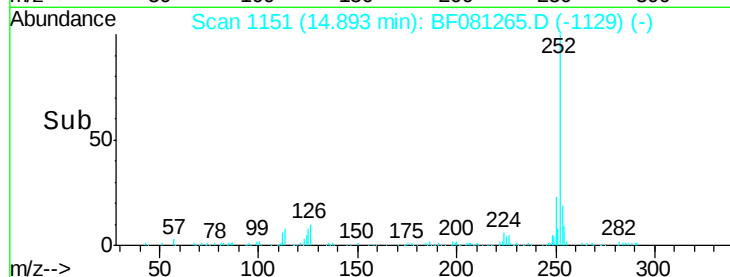
125 12.0 7.8 11.8#



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



#91

Benzo(g,h,i)perylene

Concen: 5.17 ng

RT: 16.44 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

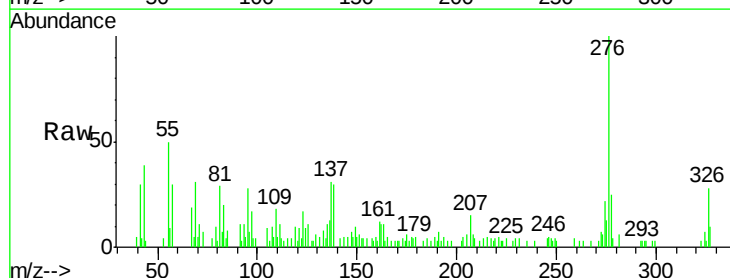
Tgt Ion:276 Resp: 22078

Ion Ratio Lower Upper

276 100

277 25.5 18.2 27.2

138 29.9 13.7 20.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

