

Data Path : Z:\HPCHEM1\BNA F\Data\BF112015\
 Data File : BF083078.D
 Acq On : 20 Nov 2015 13:26
 Operator : UM/IZ
 Sample : G4452-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 22:29:23 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

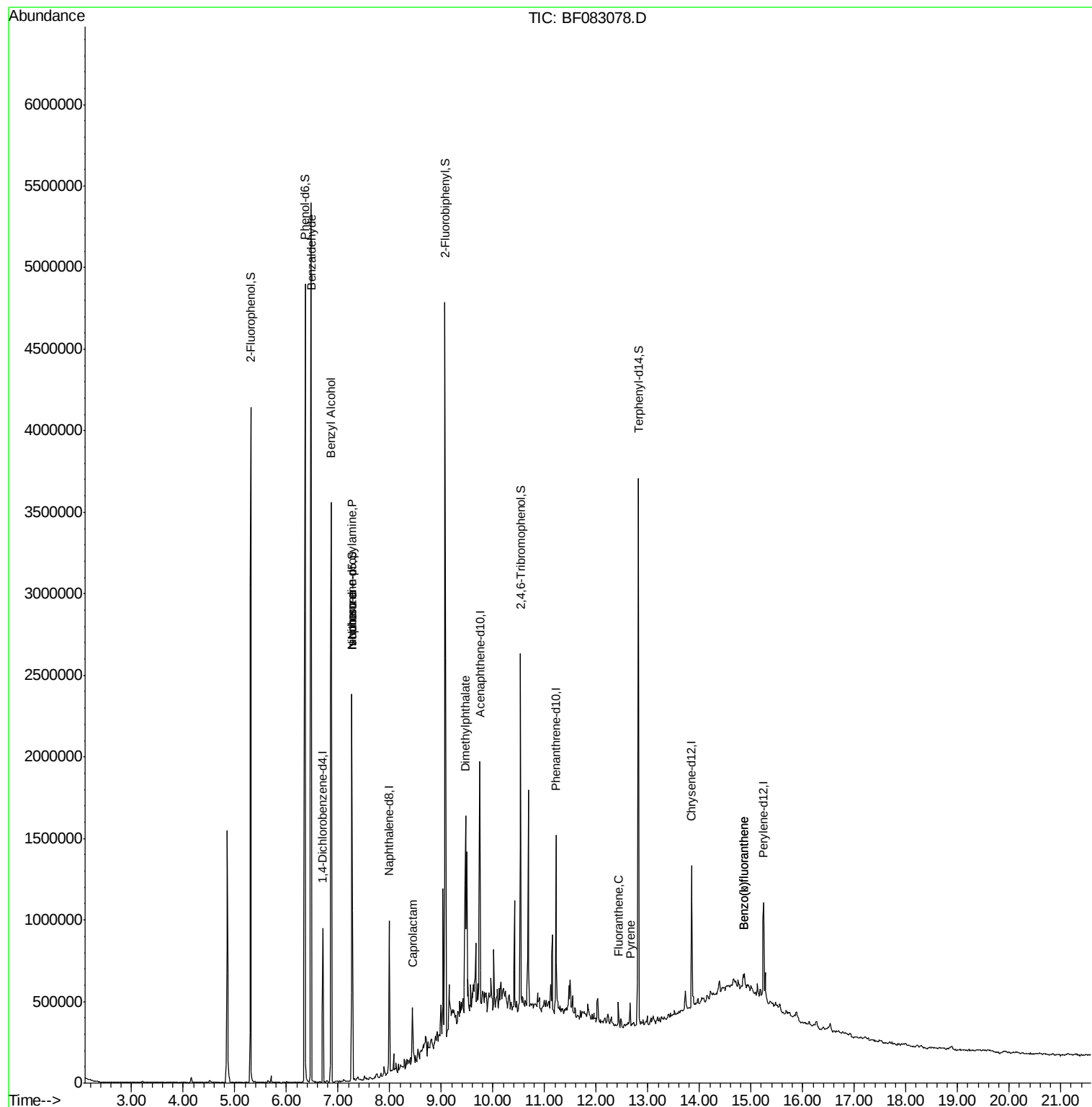
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	153389	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	548930	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	272417	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	409551	20.00	ng	0.00
75) Chrysene-d12	13.85	240	383923	20.00	ng	-0.01
86) Perylene-d12	15.24	264	330329	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1426624	144.46	ng	0.02
7) Phenol-d6	6.36	99	1854865	142.60	ng	0.01
23) Nitrobenzene-d5	7.26	82	972089	81.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	271685	93.93	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1774484	87.73	ng	-0.01
78) Terphenyl-d14	12.82	244	1543710	94.92	ng	0.01
Target Compounds						
9) Benzaldehyde	6.48	77	37238	3.94	ng	Qvalue 83
15) Benzyl Alcohol	6.86	79	23576	2.20	ng	# 51
19) n-Nitroso-di-n-propylamine	7.26	70	129338	13.61	ng	# 78
25) Isophorone	7.26	82	836439	36.98	ng	# 69
35) Caprolactam	8.44	113	13832	5.14	ng	# 41
49) Dimethylphthalate	9.47	163	431073	19.23	ng	99
74) Fluoranthene	12.43	202	57848	2.25	ng	98
77) Pyrene	12.66	202	86976	3.22	ng	96
87) Benzo(b)fluoranthene	14.85	252	60692	2.63	ng	# 87
88) Benzo(k)fluoranthene	14.85	252	60692	3.45	ng	# 88

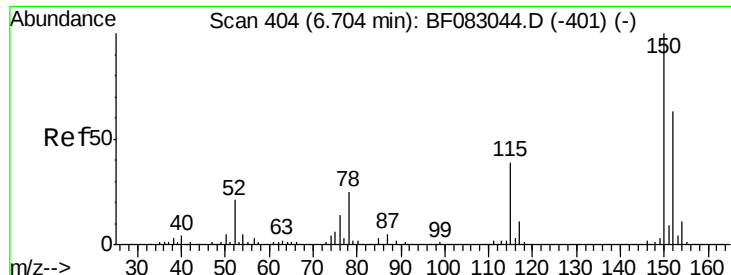
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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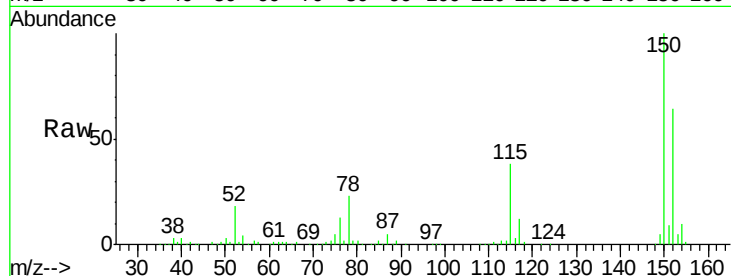


#1

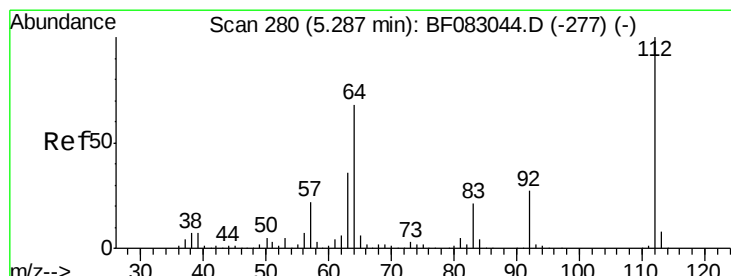
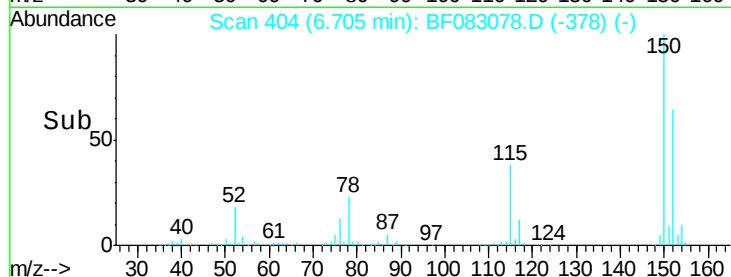
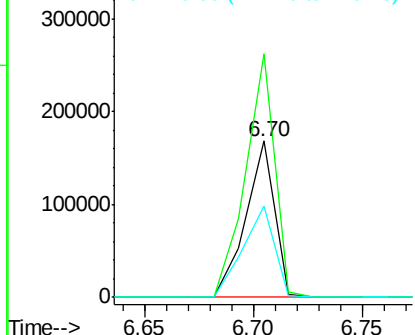
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF083078.D
Acq: 20 Nov 2015 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153389
Ion Ratio Lower Upper
152 100
150 155.9 126.4 189.6
115 58.8 49.0 73.6



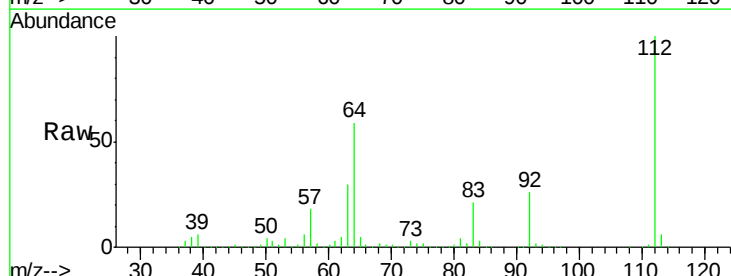
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



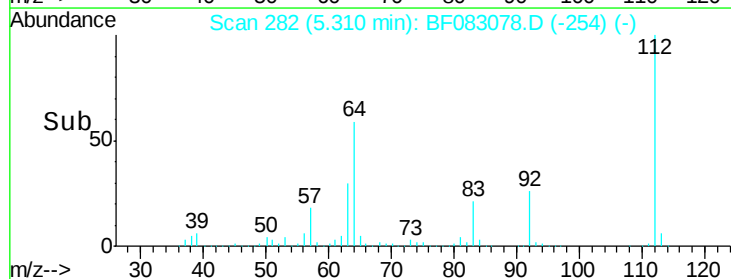
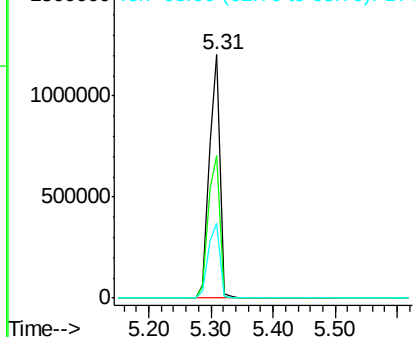
#5

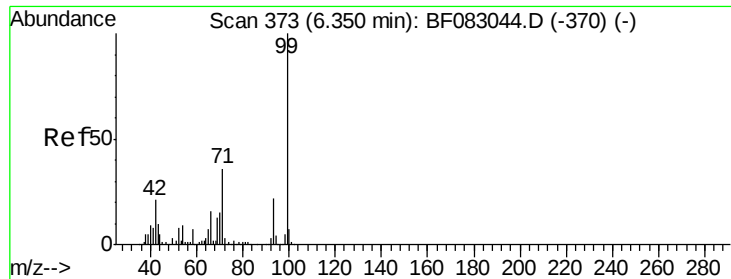
2-Fluorophenol
Concen: 144.46 ng
RT: 5.31 min Scan# 282
Delta R.T. 0.02 min
Lab File: BF083078.D
Acq: 20 Nov 2015 13:26

Tgt Ion:112 Resp: 1426624
Ion Ratio Lower Upper
112 100
64 58.6 54.8 82.2
63 30.5 29.0 43.4



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: 142.60 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Instrument :

BNA_F

ClientSampleId :

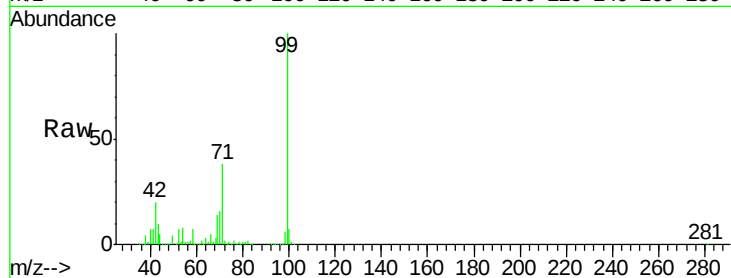
Tot Ion: 99 Resp: 1854865

Ion Ratio Lower Upper

99 100

42 20.0 16.6 25.0

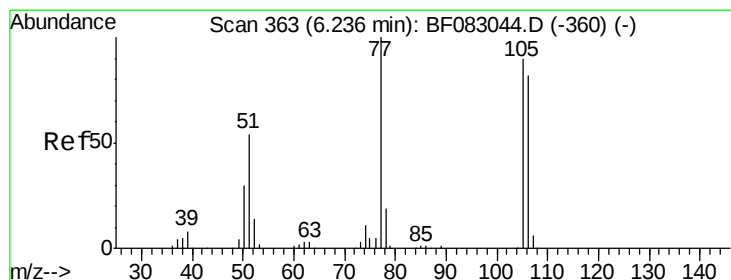
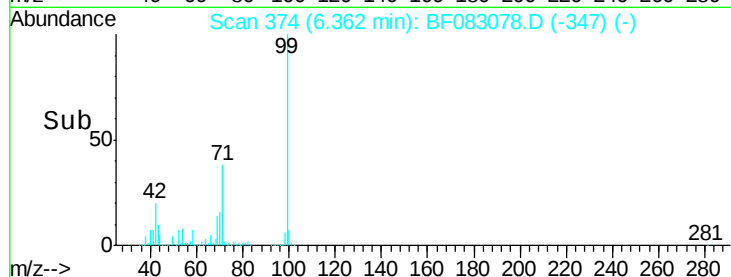
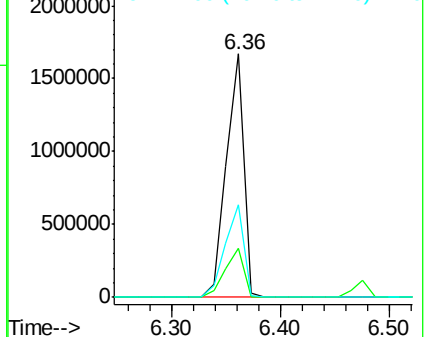
71 38.2 29.2 43.8



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: 3.94 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.24 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

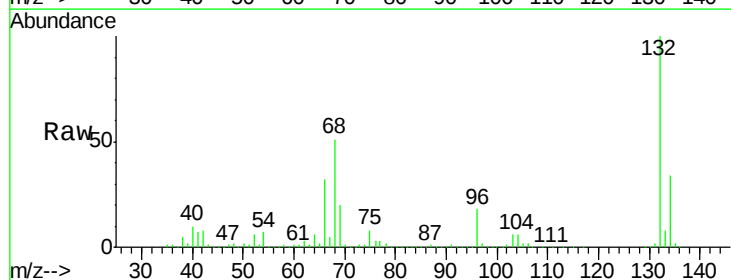
Tgt Ion: 77 Resp: 37238

Ion Ratio Lower Upper

77 100

105 74.3 69.6 109.6

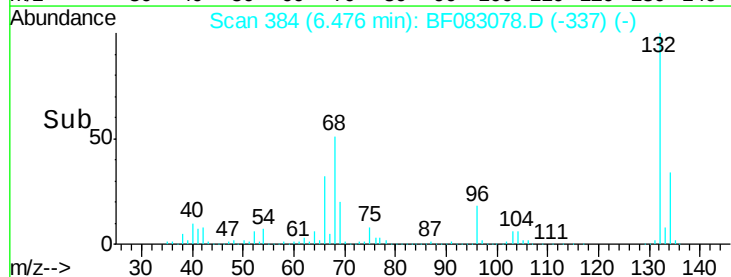
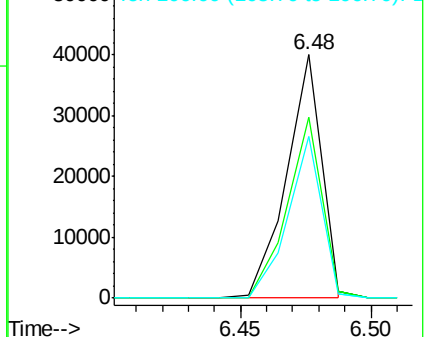
106 66.5 62.0 102.0

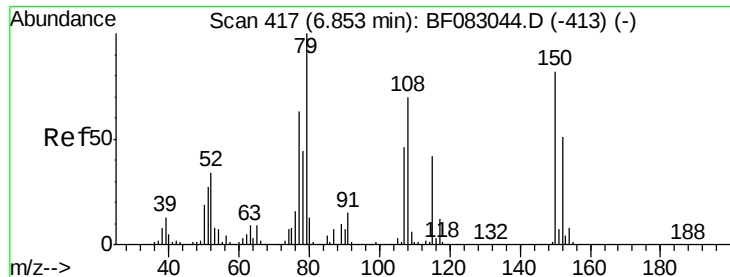


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 6.86 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Instrument :

BNA_F

ClientSampleId :

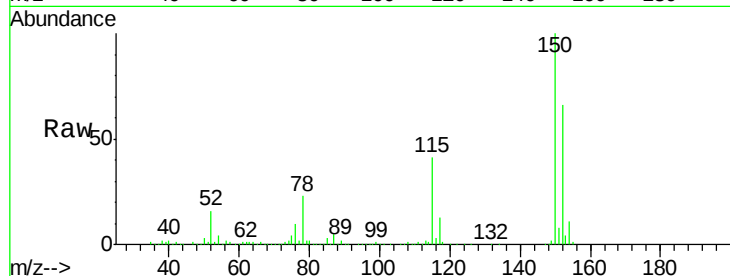
Tot Ion: 79 Resp: 23576

Ion Ratio Lower Upper

79 100

108 31.8 55.7 83.5#

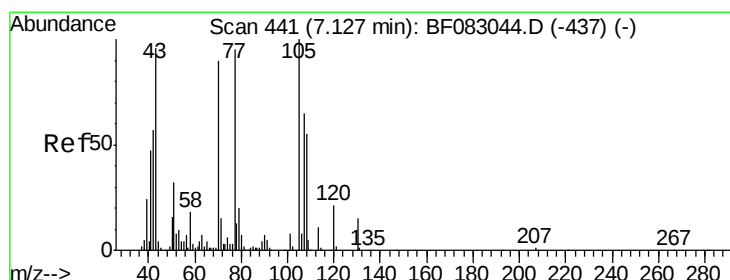
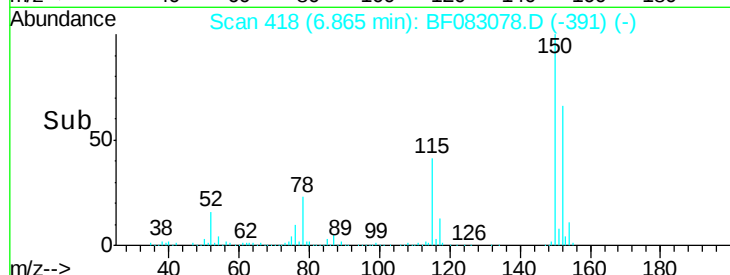
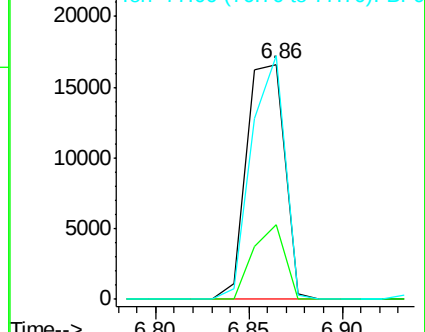
77 103.6 50.7 76.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.61 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.14 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Tgt Ion: 70 Resp: 129338

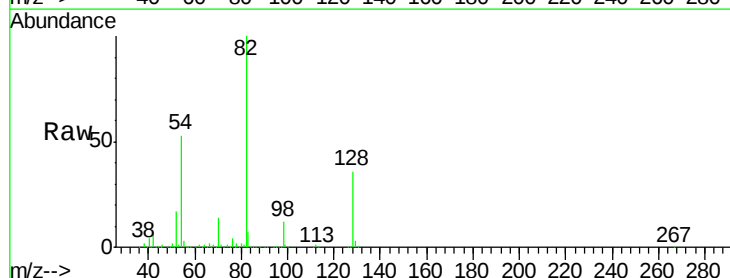
Ion Ratio Lower Upper

70 100

42 48.4 50.2 75.2#

101 0.0 6.8 10.2#

130 1.8 12.9 19.3#

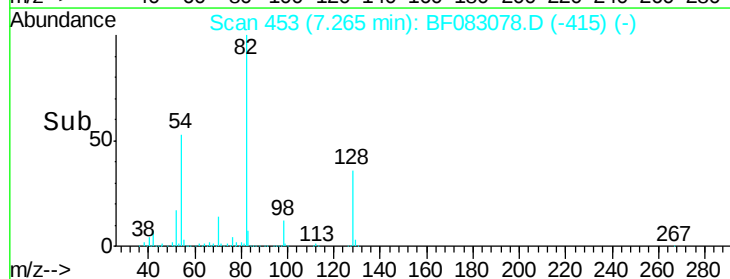
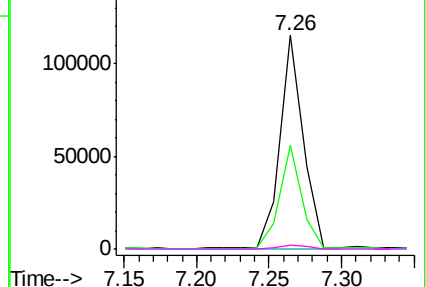


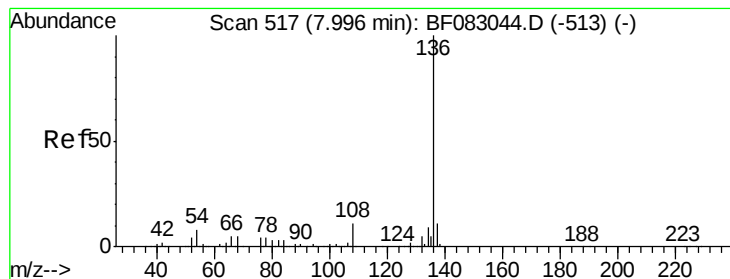
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 548930

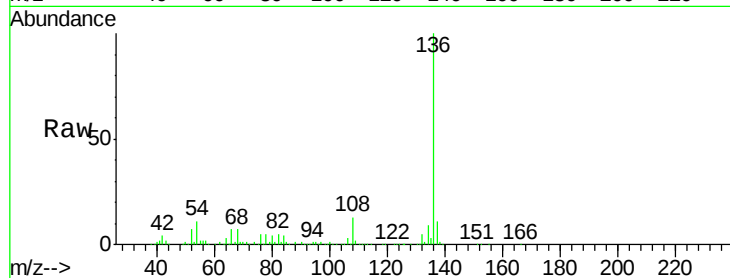
Ion Ratio Lower Upper

136 100

137 11.5 8.6 12.8

54 11.5 6.2 9.2#

68 7.0 4.2 6.2#

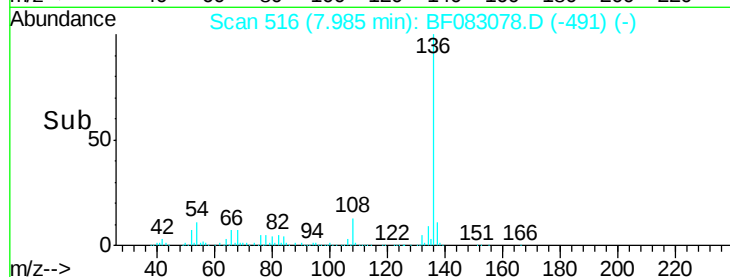


Abundance Ion 136.00 (135.70 to 136.70): E

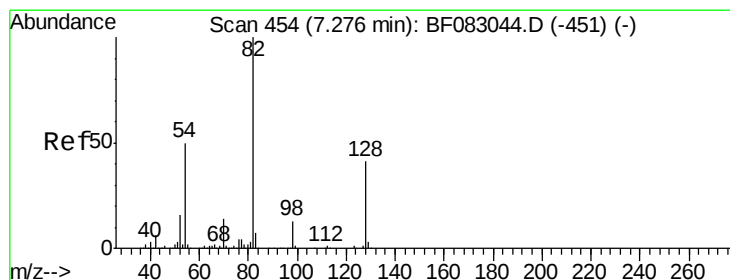
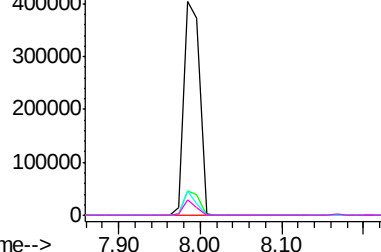
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 81.07 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

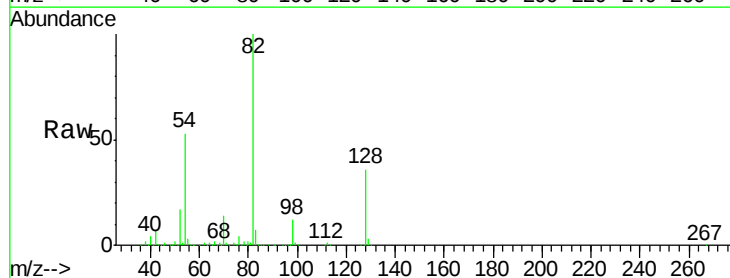
Tgt Ion: 82 Resp: 972089

Ion Ratio Lower Upper

82 100

128 35.5 33.1 49.7

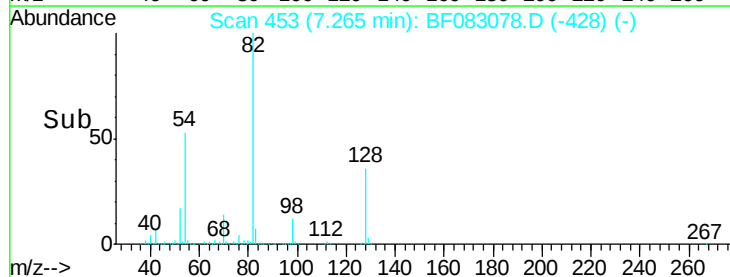
54 52.8 39.8 59.6



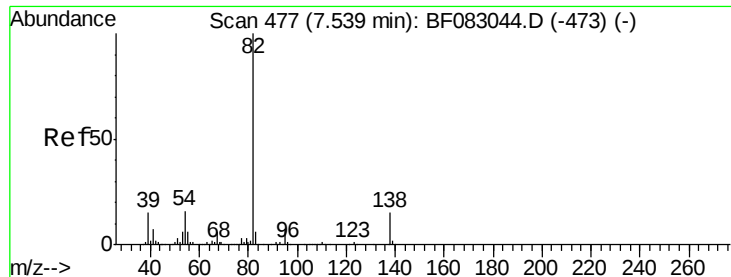
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 36.98 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.27 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Instrument :

BNA_F

ClientSampleId :

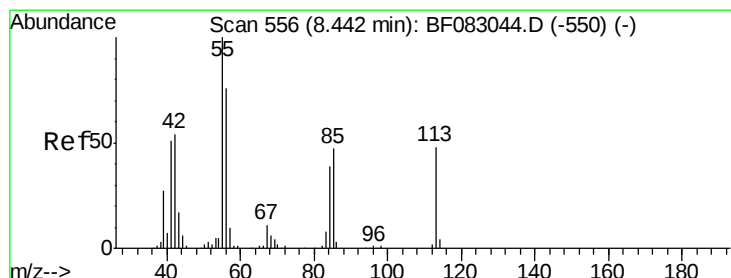
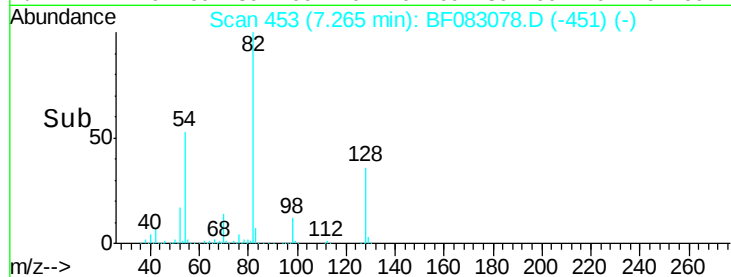
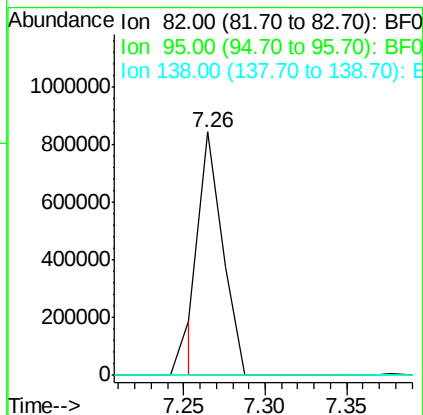
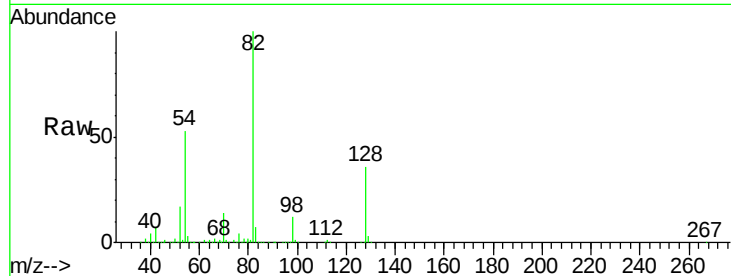
Tot Ion: 82 Resp: 836439

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 12.2 18.4#



#35

Caprolactam

Concen: 5.14 ng

RT: 8.44 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

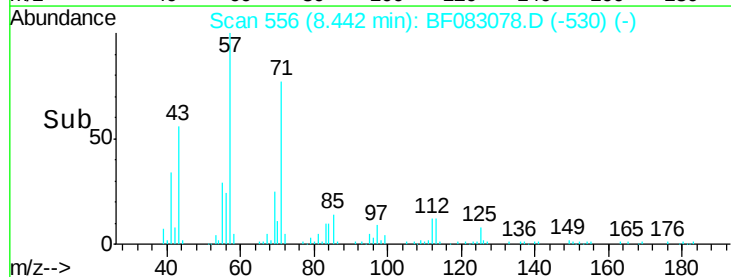
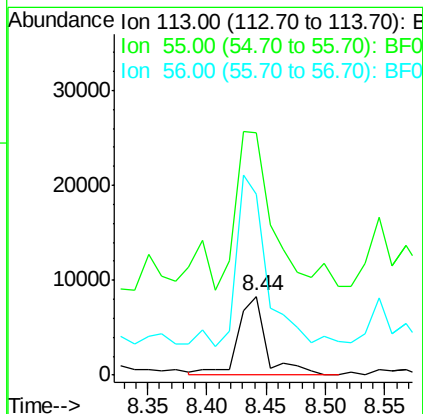
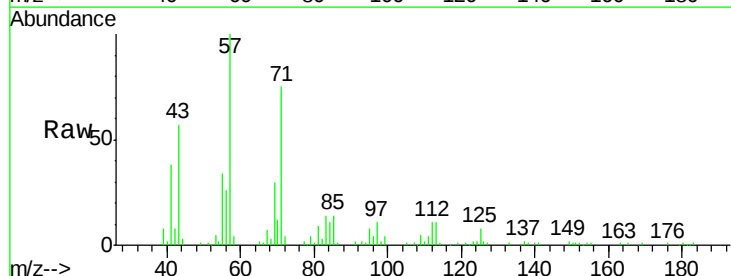
Tgt Ion: 113 Resp: 13832

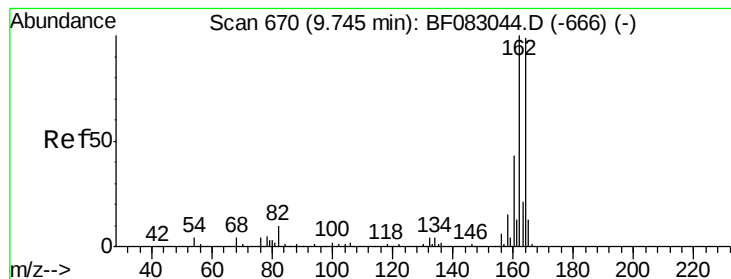
Ion Ratio Lower Upper

113 100

55 307.2 189.1 229.1#

56 229.5 137.9 177.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

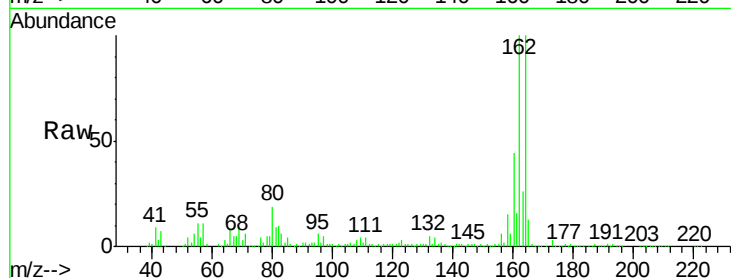
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 272417

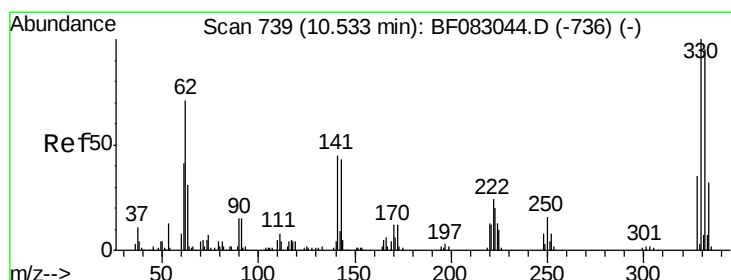
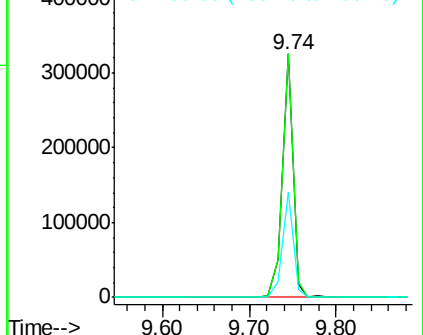
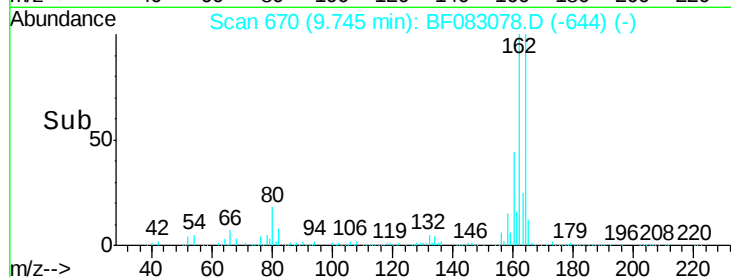
Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.5	120.7
160	43.5	35.0	52.4



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: 93.93 ng

RT: 10.53 min Scan# 739

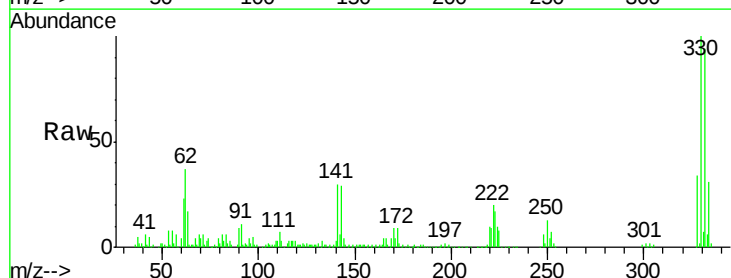
Delta R.T. 0.00 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Tgt Ion:330 Resp: 271685

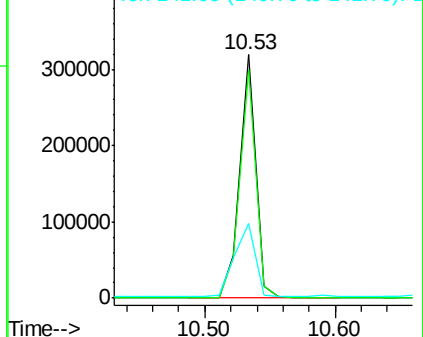
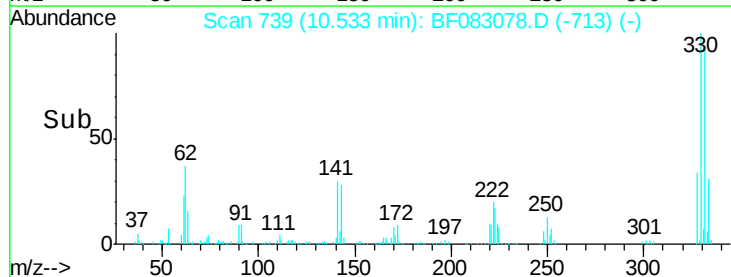
Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.6	116.4
141	37.7	34.6	52.0

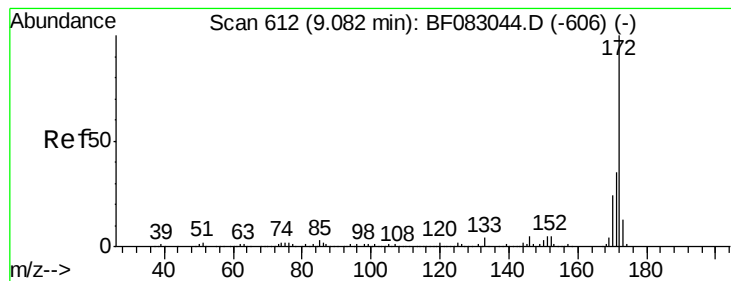


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

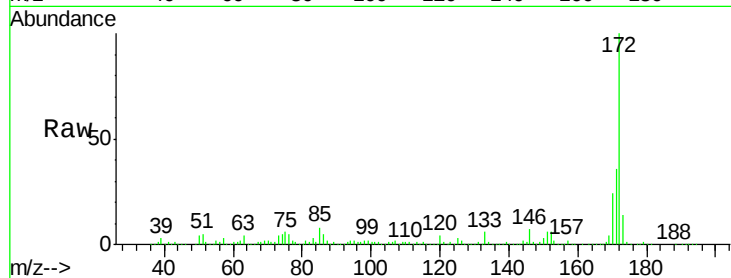




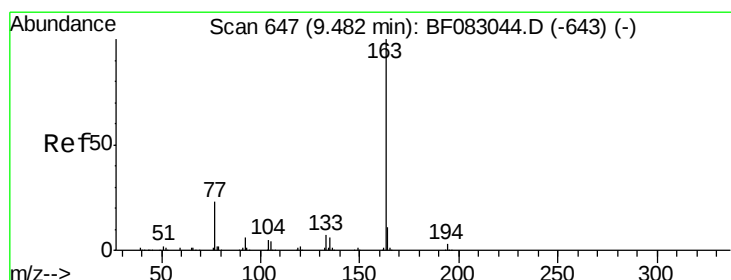
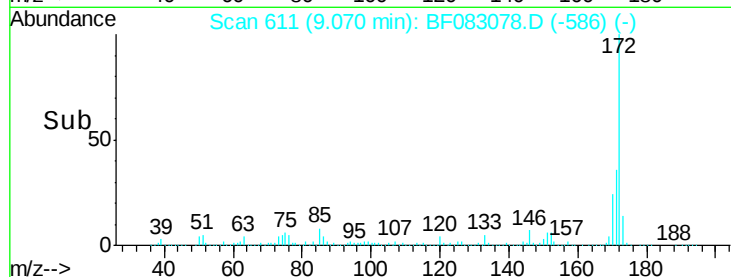
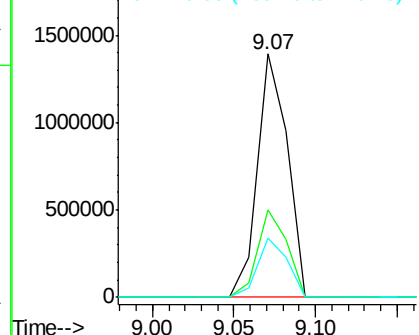
#44
2-Fluorobiphenyl
Concen: 87.73 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF083078.D
Acq: 20 Nov 2015 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1774484
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.4
170 24.2 19.4 29.0

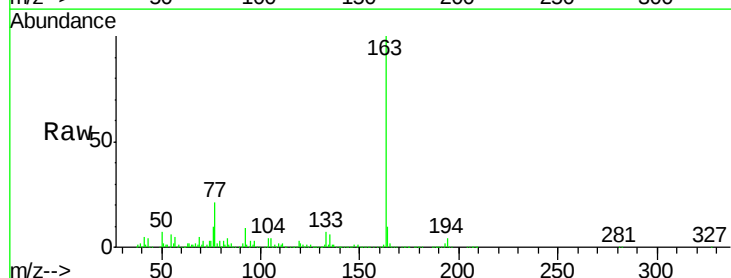


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

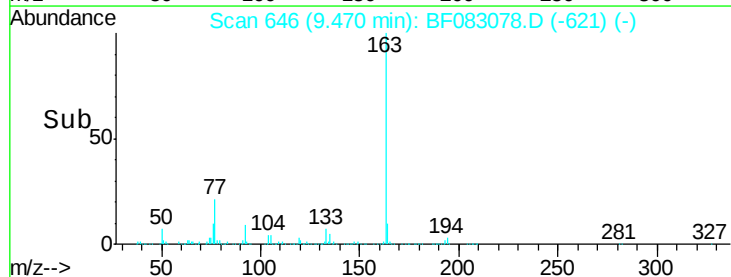
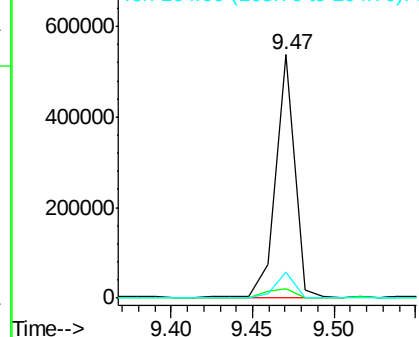


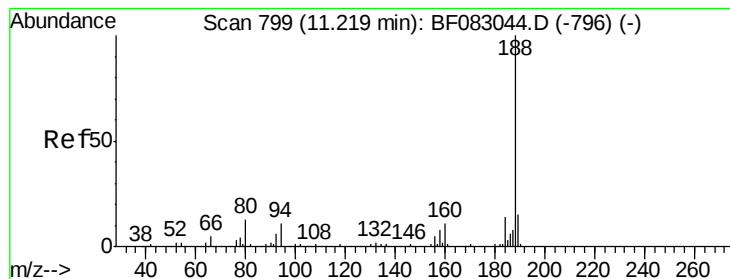
#49
Dimethylphthalate
Concen: 19.23 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF083078.D
Acq: 20 Nov 2015 13:26

Tgt Ion:163 Resp: 431073
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.4 8.5 12.7



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Instrument :

BNA_F

ClientSampleId :

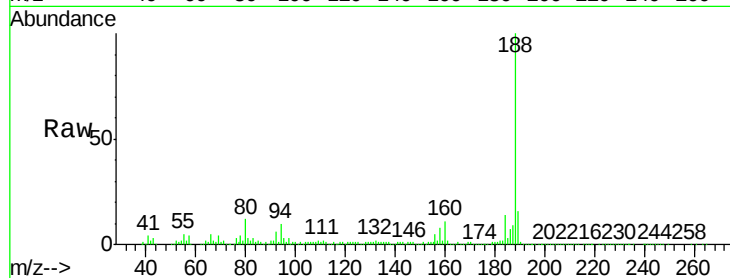
Tot Ion:188 Resp: 409551

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.4

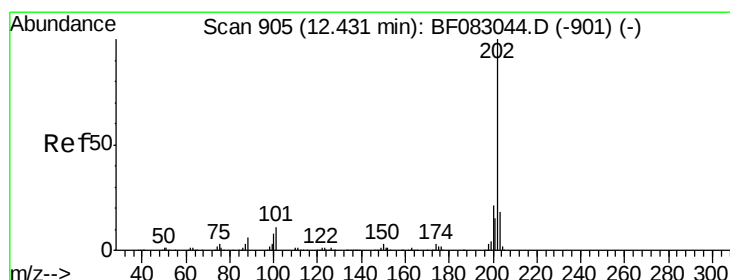
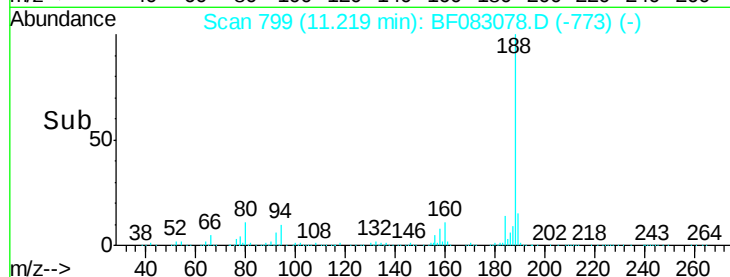
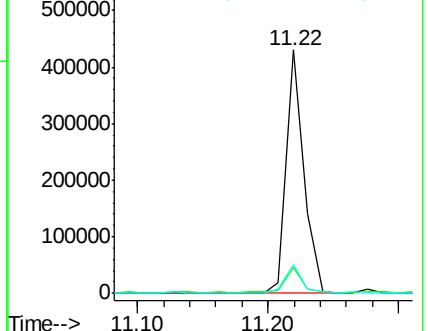
80 11.9 10.2 15.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#74

Fluoranthene

Concen: 2.25 ng

RT: 12.43 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

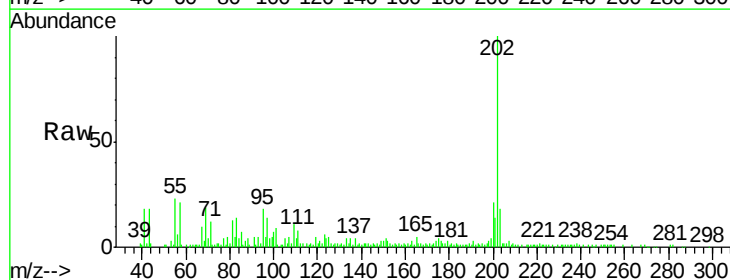
Tgt Ion:202 Resp: 57848

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.1

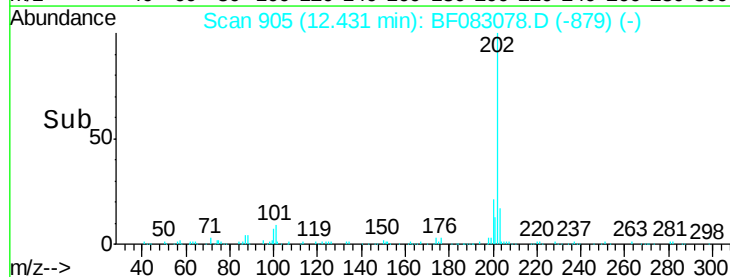
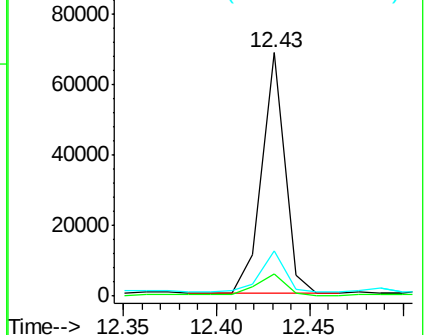
203 18.5 0.0 38.4

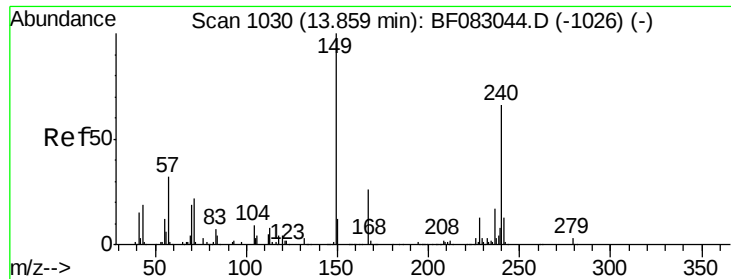


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Instrument :

BNA_F

ClientSampleId :

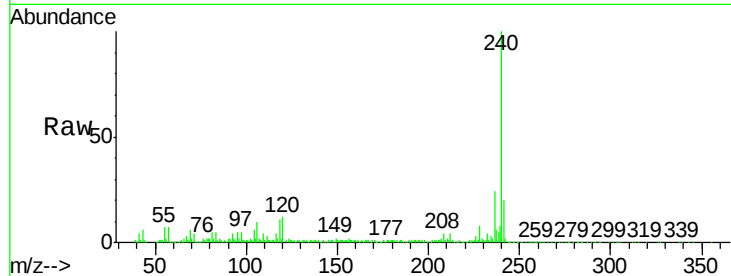
Tot Ion:240 Resp: 383923

Ion Ratio Lower Upper

240 100

120 11.8 5.3 7.9#

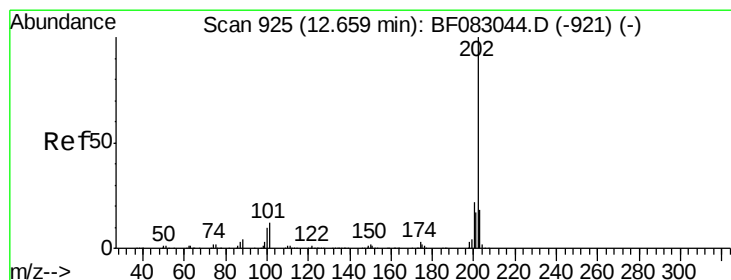
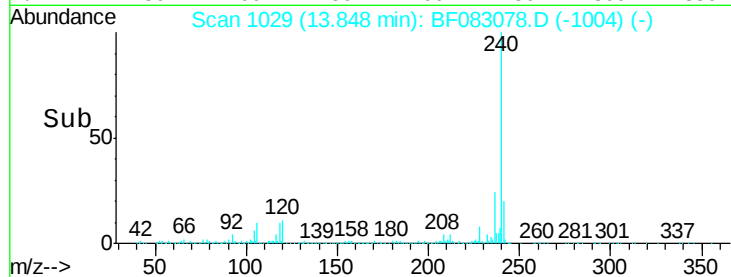
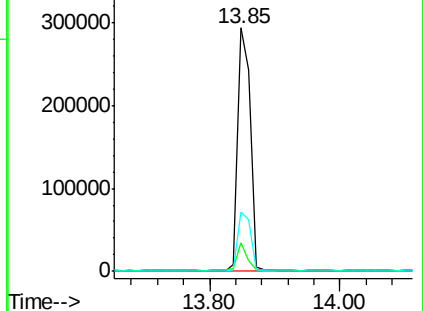
236 24.4 20.4 30.6



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



#77

Pyrene

Concen: 3.22 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

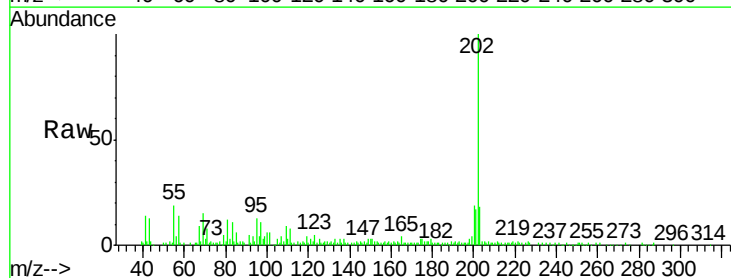
Tgt Ion:202 Resp: 86976

Ion Ratio Lower Upper

202 100

200 18.8 17.6 26.4

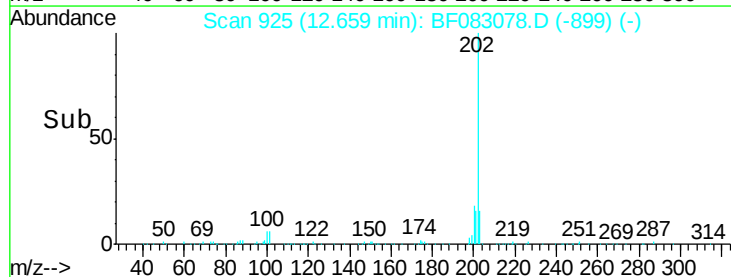
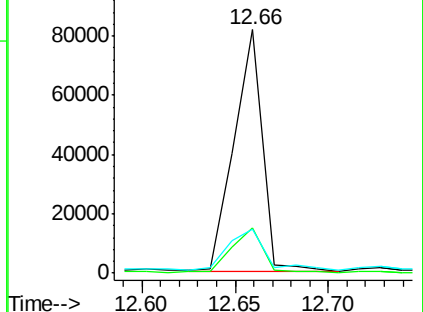
203 18.0 14.6 22.0

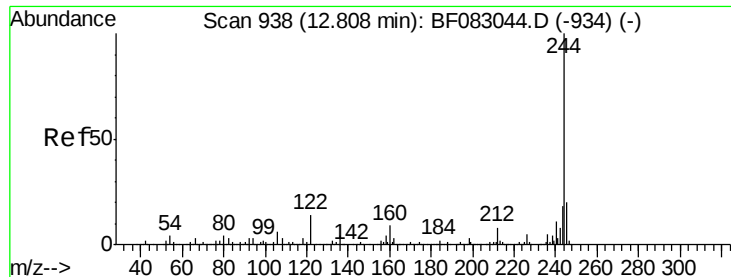


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 94.92 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Instrument :

BNA_F

ClientSampleId :

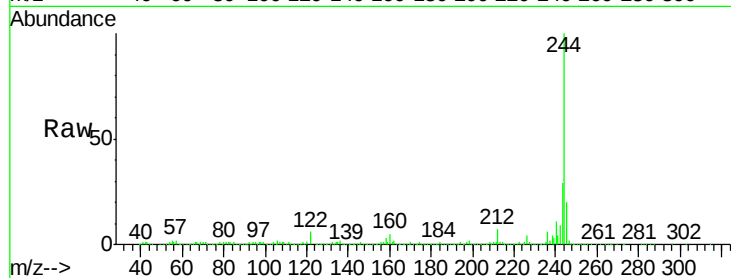
Tot Ion:244 Resp: 1543710

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

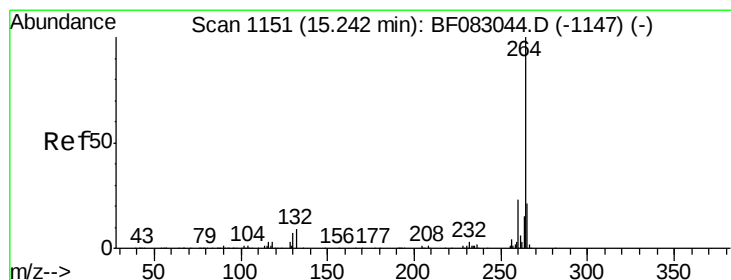
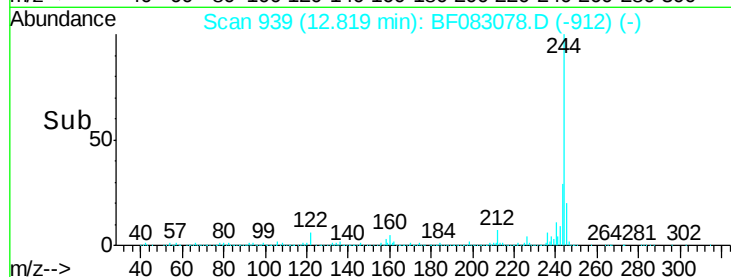
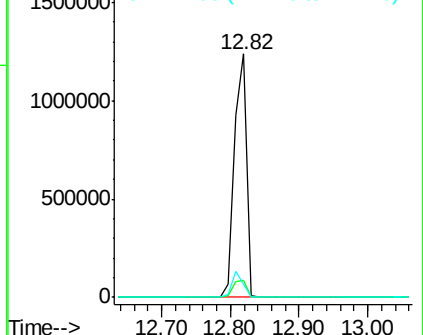
122 5.6 10.9 16.3#



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: 15.24 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

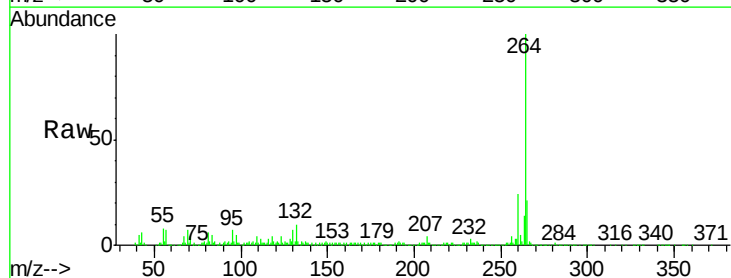
Tgt Ion:264 Resp: 330329

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

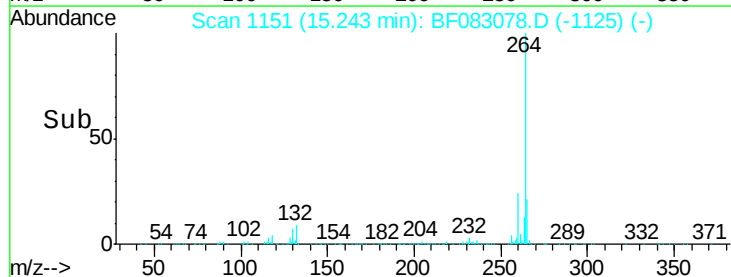
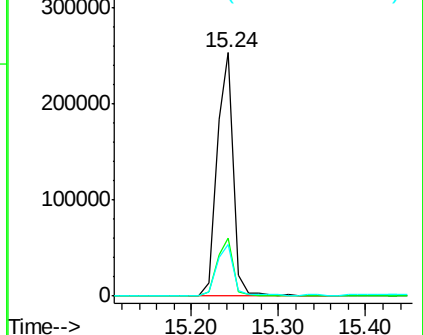
265 21.0 17.0 25.6

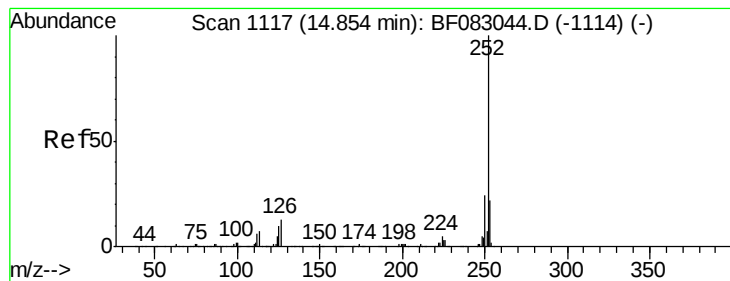


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.63 ng

RT: 14.85 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

Instrument :

BNA_F

ClientSampleId :

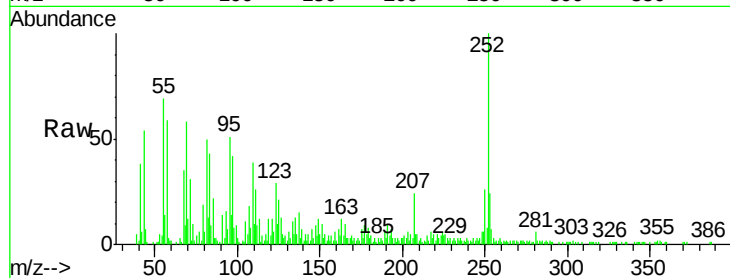
Tot Ion:252 Resp: 60692

Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

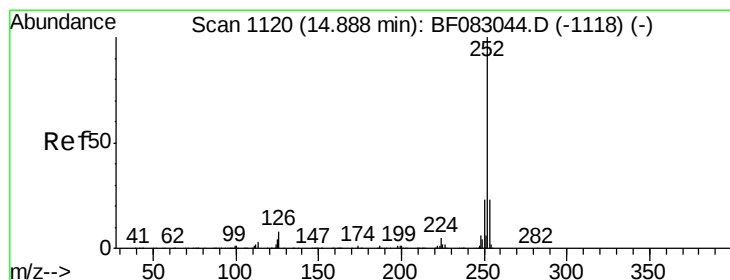
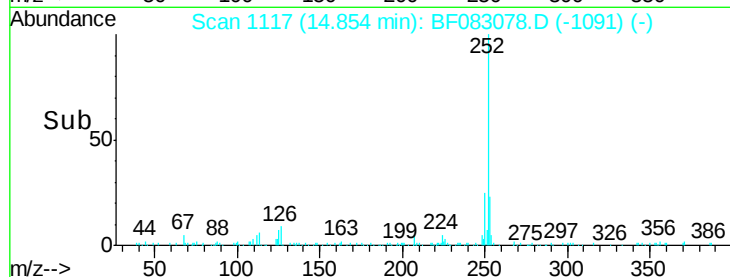
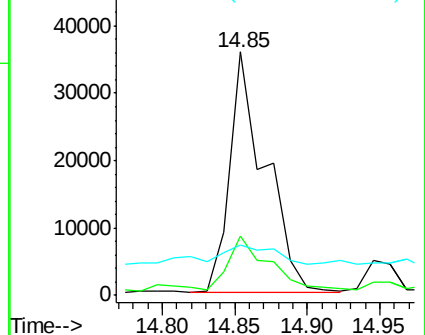
125 20.8 7.7 11.5#



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



#88

Benzo(k)fluoranthene

Concen: 3.45 ng

RT: 14.85 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BF083078.D

Acq: 20 Nov 2015 13:26

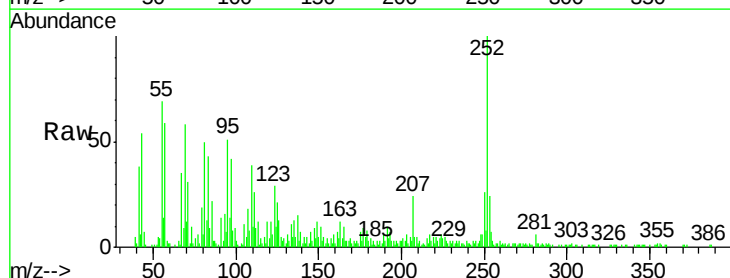
Tgt Ion:252 Resp: 60692

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.6

125 20.8 3.8 5.6#



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

