

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096785.D
 Acq On : 14 Jul 2017 21:35
 Operator : SJ/JU
 Sample : I4172-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 14 23:53:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	127488	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	521534	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	223254	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	395666	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	346389	20.00	ng	-0.01
86) Perylene-d12	15.14	264	253970	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	401267	47.33	ng	0.00
7) Phenol-d6	6.27	99	850080	83.55	ng	-0.01
23) Nitrobenzene-d5	7.19	82	524543	62.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	48801	25.61	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	902518	63.87	ng	-0.01
78) Terphenyl-d14	12.72	244	783340	39.22	ng	-0.01

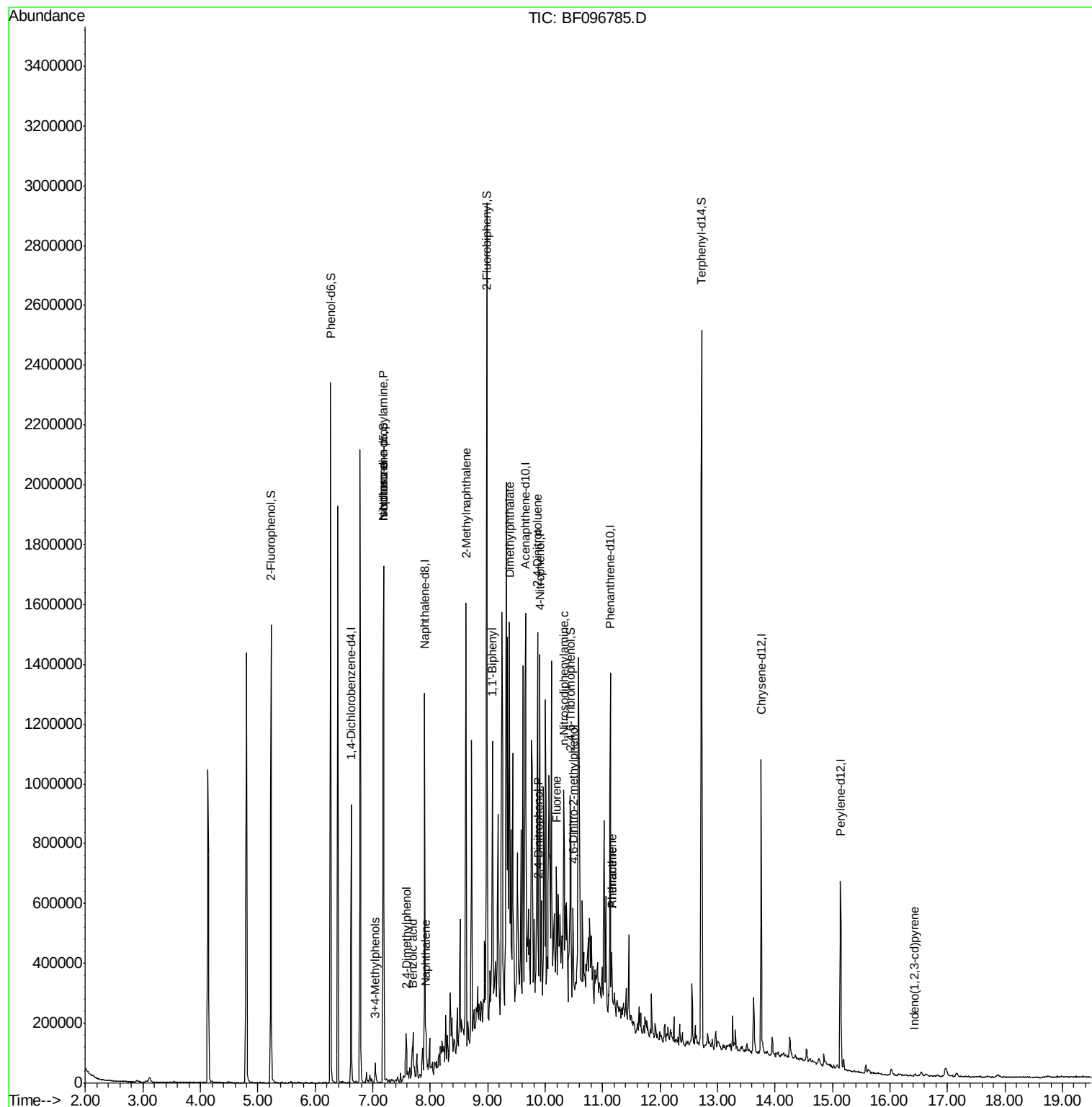
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	69251	11.30	ng	# 87
20) 3+4-Methylphenols	7.05	107	18079	2.09	ng	# 61
25) Isophorone	7.19	82	518760	33.12	ng	# 67
27) 2,4-Dimethylphenol	7.58	122	37255	4.68	ng	# 85
31) Naphthalene	7.93	128	57797	2.34	ng	# 99
32) Benzoic acid	7.70	122	41849	8.22	ng	# 12
37) 2-Methylnaphthalene	8.62	142	435133	27.63	ng	# 99
45) 1,1'-Biphenyl	9.08	154	45132	2.36	ng	# 96
49) Dimethylphthalate	9.38	163	140611	8.36	ng	# 96
53) 2,4-Dinitrophenol	9.88	184	463	6.98	ng	# 1
55) 4-Nitrophenol	9.90	139	12350	3.92	ng	# 80
56) 2,4-Dinitrotoluene	9.86	165	14118	3.02	ng	# 41
57) Fluorene	10.20	166	32947	2.40	ng	# 65
60) 4-Chlorophenyl-phenylether	10.21	204	453	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.47	198	5364	2.16	ng	# 91
65) n-Nitrosodiphenylamine	10.32	169	84530	5.98	ng	# 37
70) Phenanthrene	11.16	178	65915	3.06	ng	# 99
71) Anthracene	11.16	178	65915	3.03	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.43	276	2758	3.46	ng	# 97

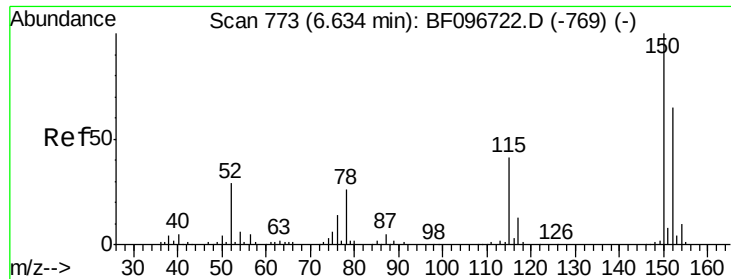
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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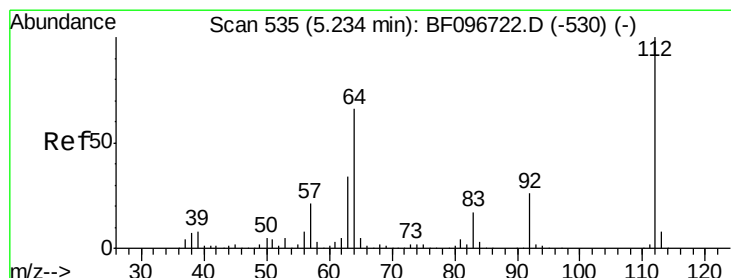
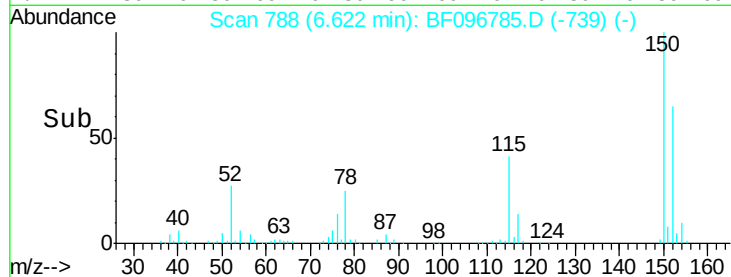
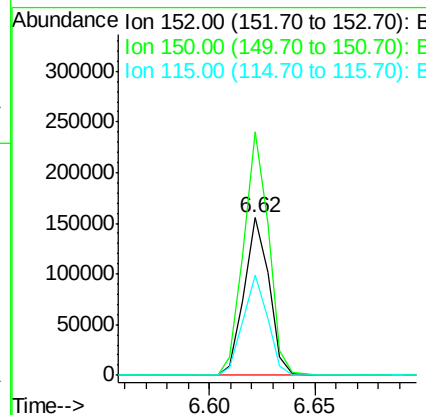
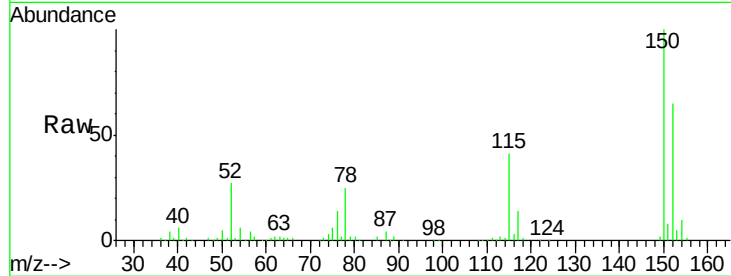


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Instrument :
BNA_F
ClientSampleId :

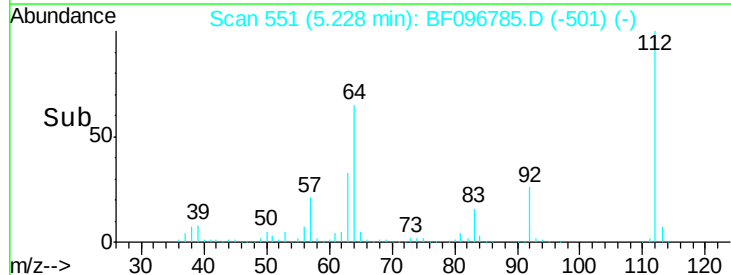
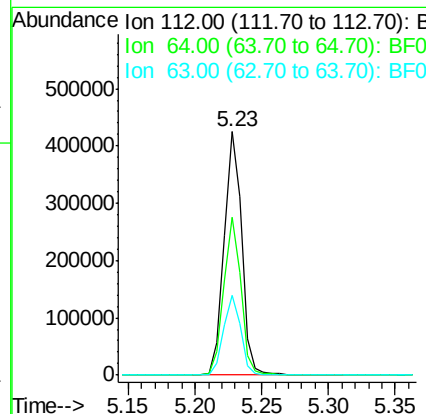
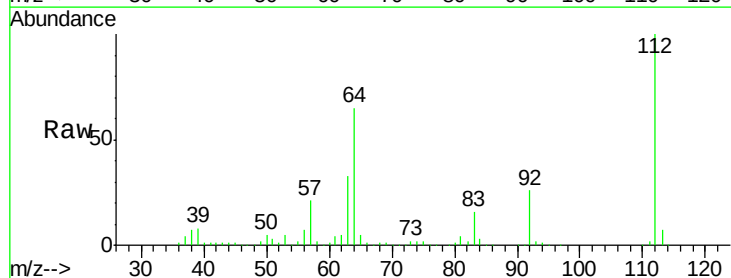
Tot Ion:152 Resp: 127488
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.2
115 63.9 52.2 78.2

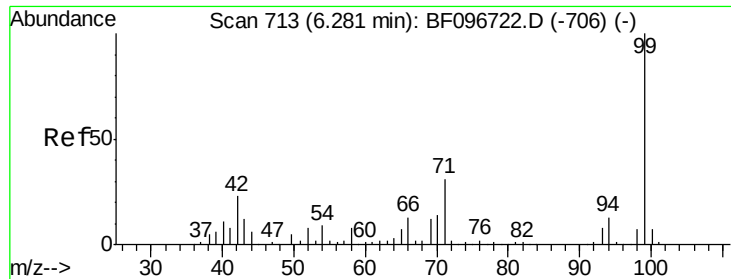


#5

2-Fluorophenol
Concen: 47.33 ng
RT: 5.23 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion:112 Resp: 401267
Ion Ratio Lower Upper
112 100
64 65.1 46.0 69.0
63 32.5 23.4 35.0





#7

Phenol-d6

Concen: 83.55 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

ClientSampled :

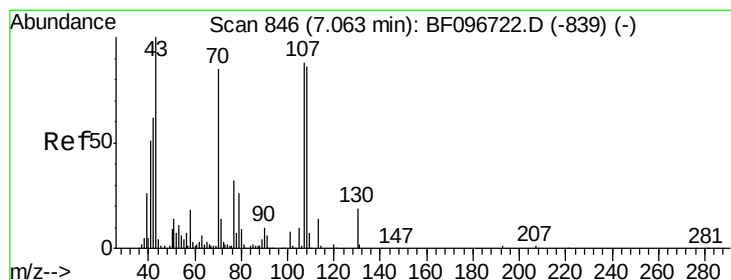
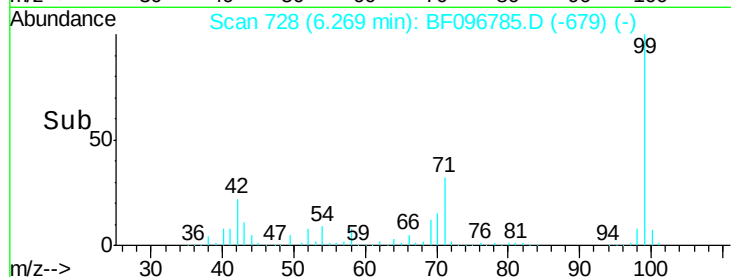
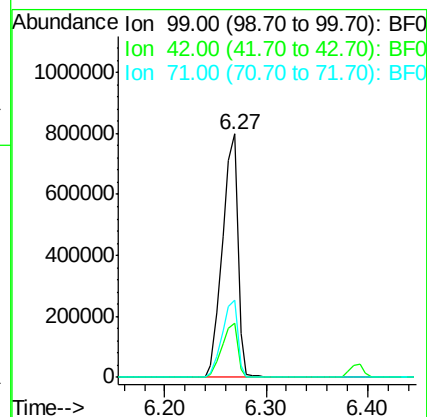
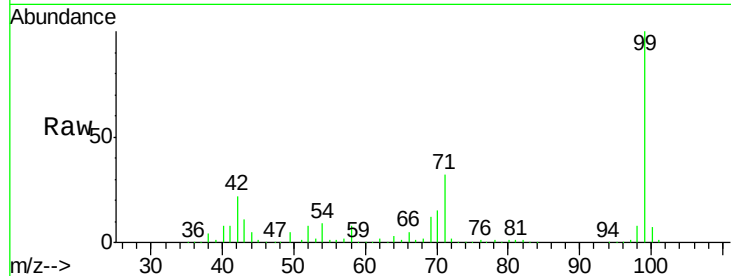
Tot Ion: 99 Resp: 850080

Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

71 31.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.30 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Tgt Ion: 70 Resp: 69251

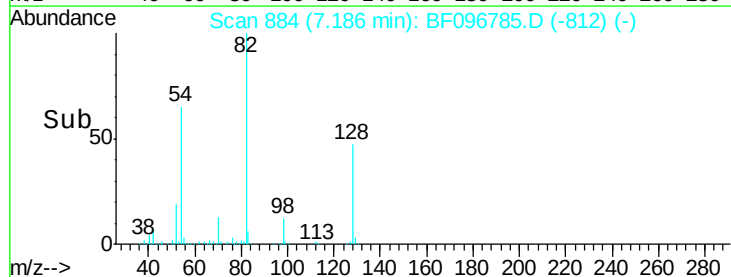
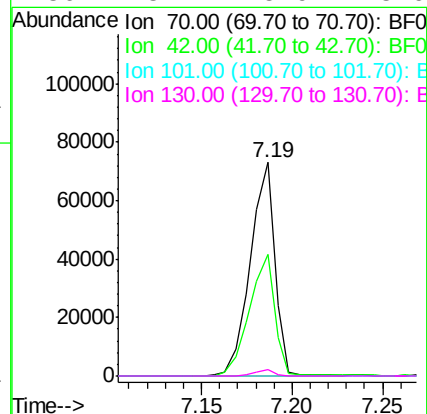
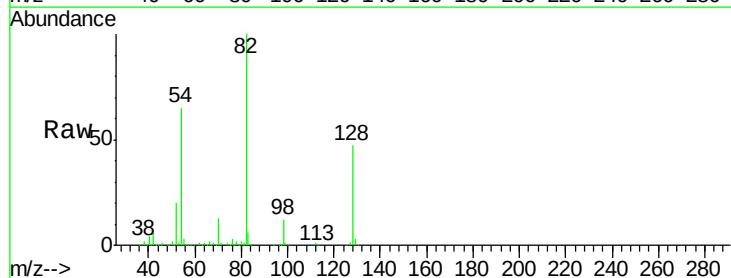
Ion Ratio Lower Upper

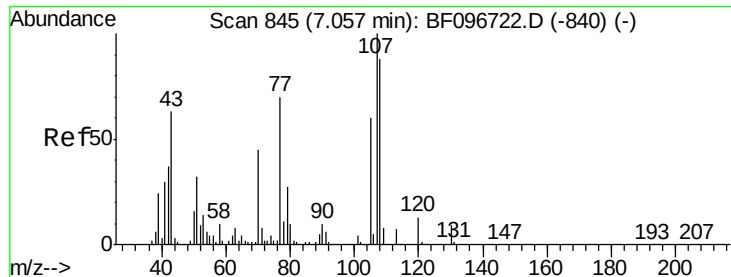
70 100

42 56.9 47.2 70.8

101 0.0 7.2 10.8#

130 3.1 15.9 23.9#





#20

3+4-Methylphenols

Concen: 2.09 ng

RT: 7.05 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 18079

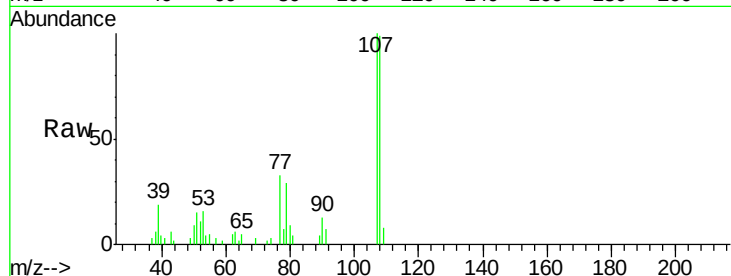
Ion Ratio Lower Upper

107 100

108 99.4 71.0 111.0

77 33.4 90.5 130.5#

79 29.0 8.4 48.4

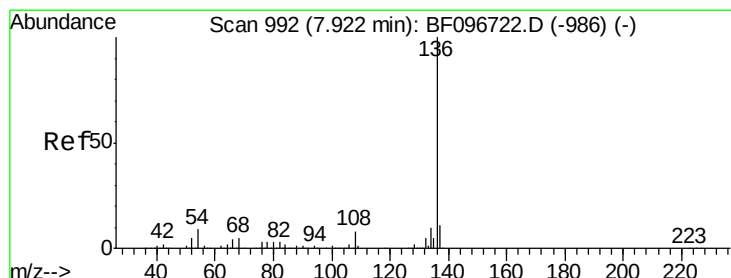
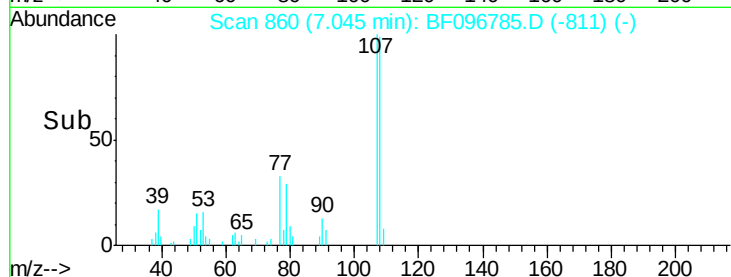
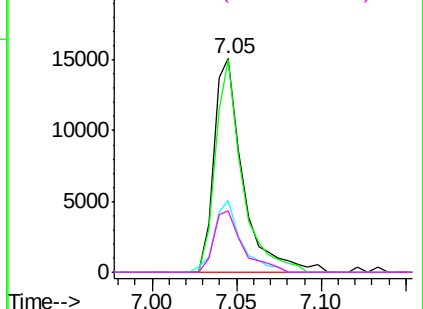


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Tgt Ion:136 Resp: 521534

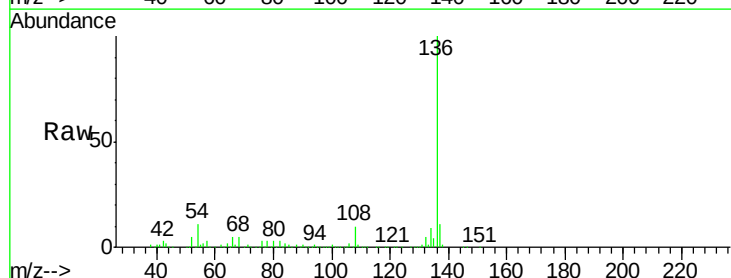
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.8 4.9 7.3#

68 5.2 4.1 6.1

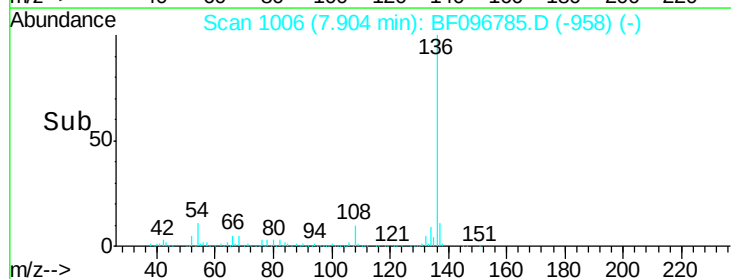
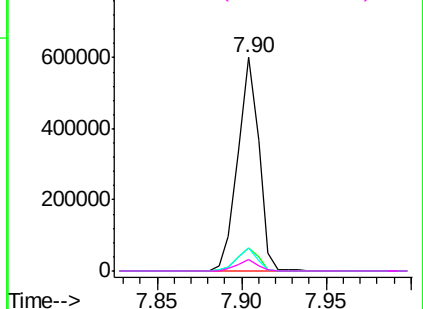


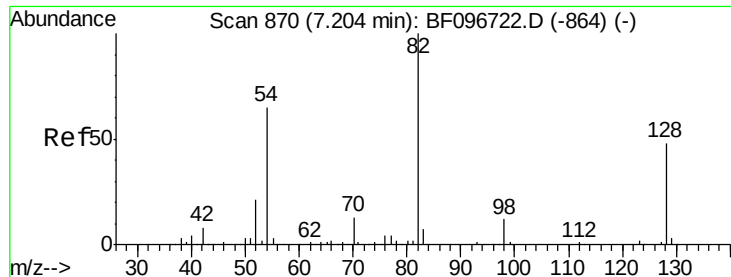
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

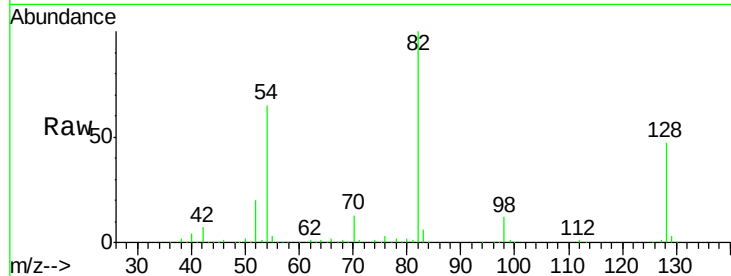




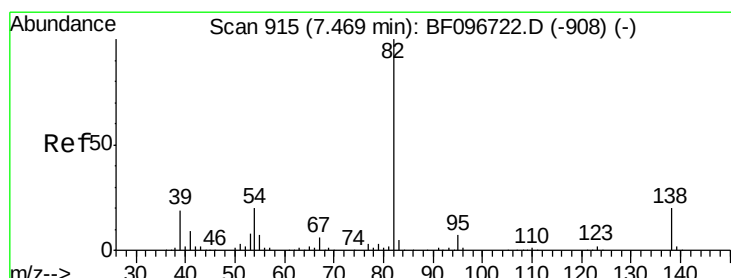
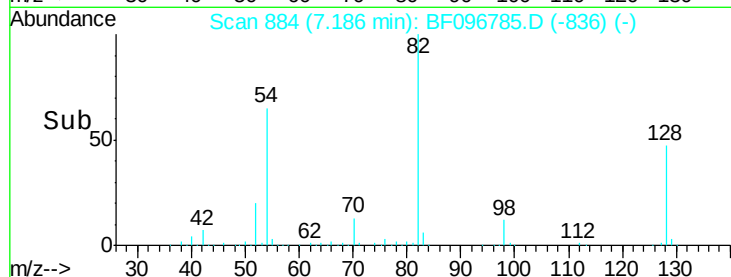
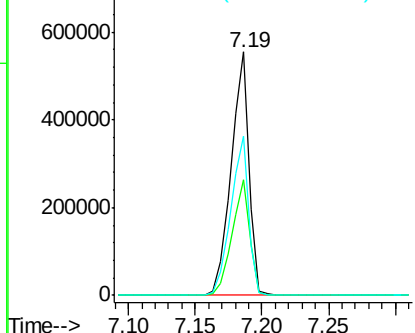
#23
Nitrobenzene-d5
Concen: 62.30 ng
RT: 7.19 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 524543
Ion Ratio Lower Upper
82 100
128 47.3 34.0 51.0
54 65.3 42.2 63.2#

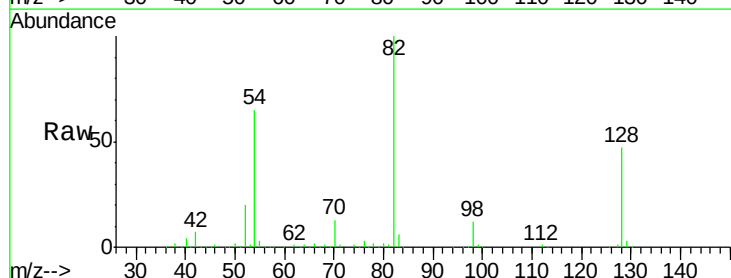


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

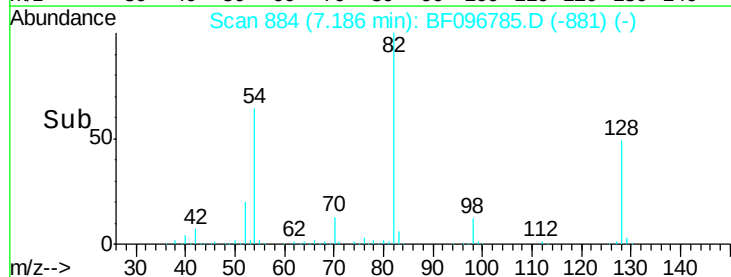
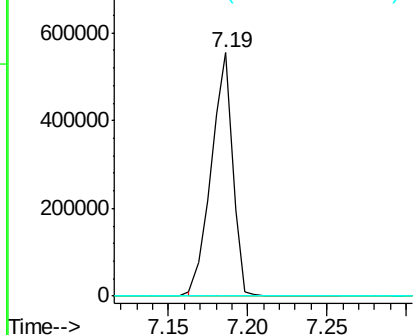


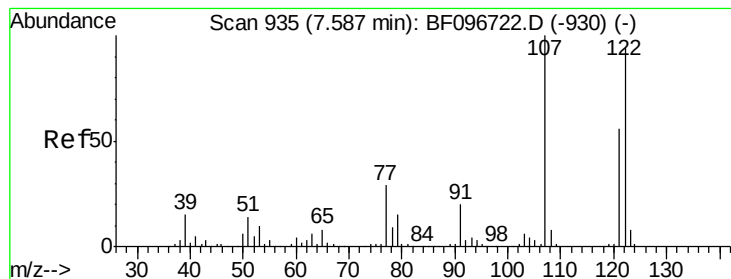
#25
Isophorone
Concen: 33.12 ng
RT: 7.19 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion: 82 Resp: 518760
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



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): BF0

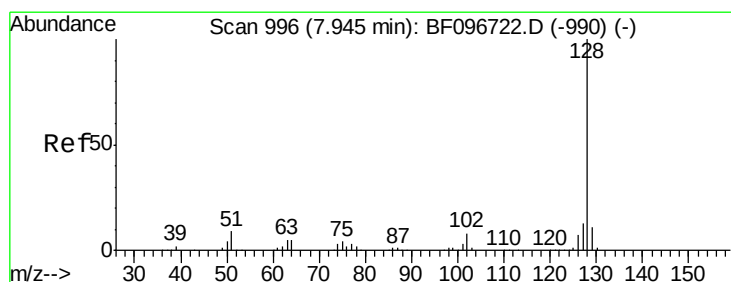
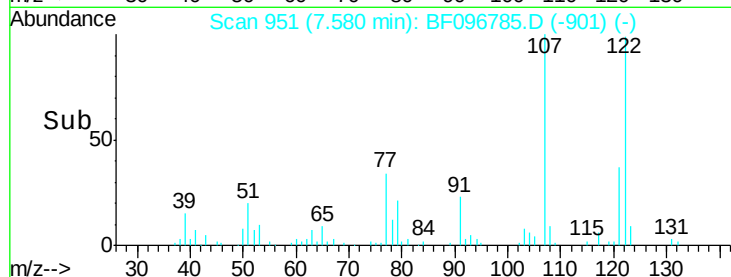
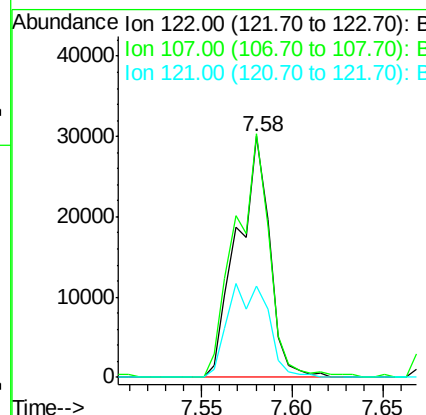
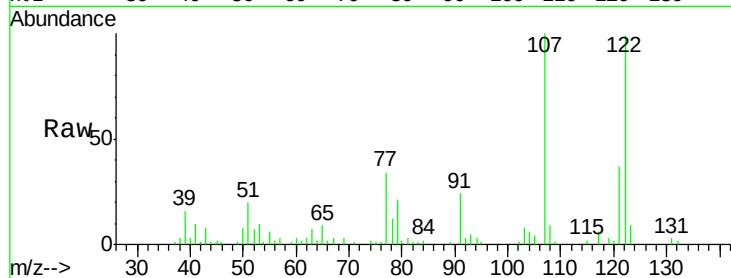




#27
2,4-Dimethylphenol
Concen: 4.68 ng
RT: 7.58 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

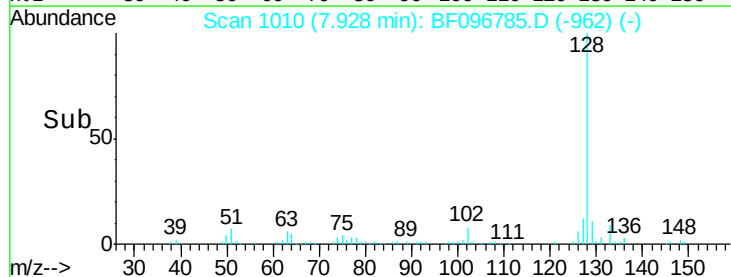
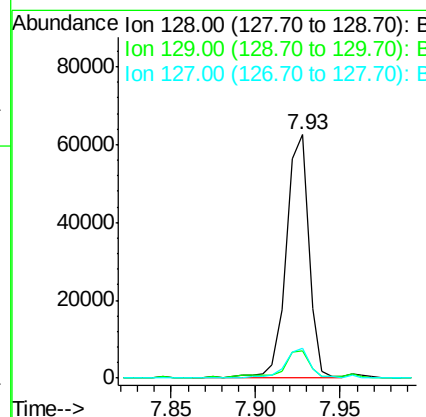
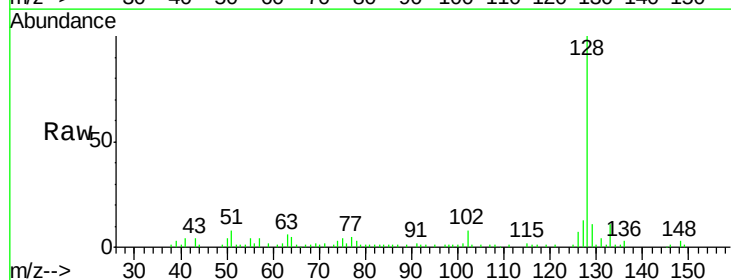
Instrument :
BNA_F
ClientSampleId :

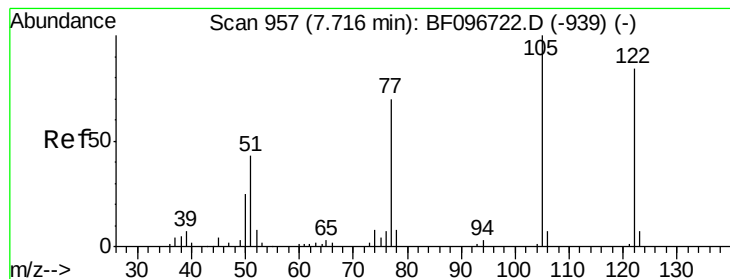
Tot Ion:122 Resp: 37255
Ion Ratio Lower Upper
122 100
107 101.2 89.2 133.8
121 37.9 45.2 67.8#



#31
Naphthalene
Concen: 2.34 ng
RT: 7.93 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion:128 Resp: 57797
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 12.5 10.8 16.2





#32

Benzoic acid

Concen: 8.22 ng

RT: 7.70 min Scan# 971

Delta R.T. -0.02 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

ClientSampled :

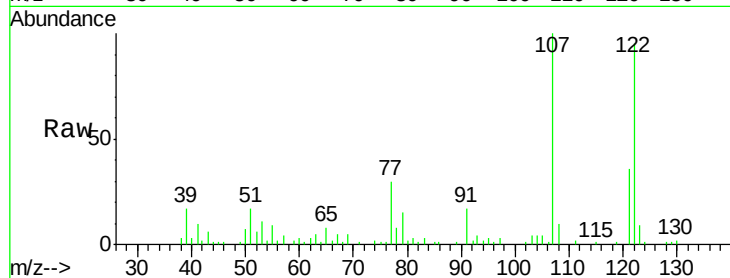
Tot Ion:122 Resp: 41849

Ion Ratio Lower Upper

122 100

105 3.8 103.3 143.3#

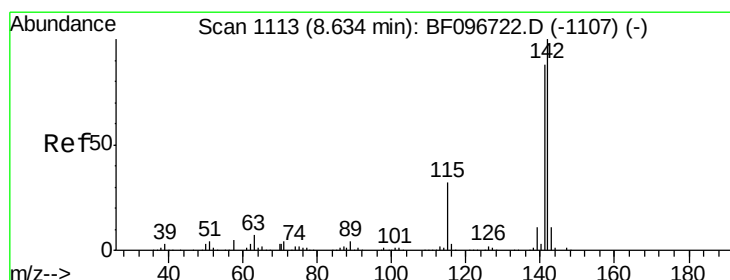
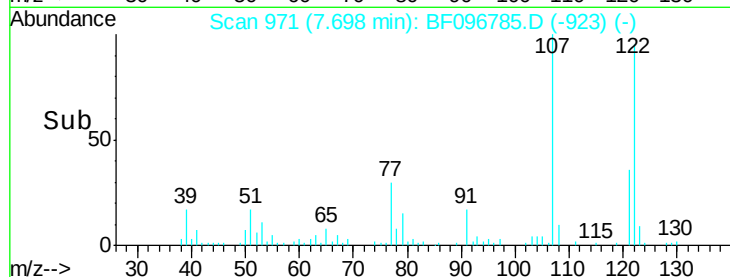
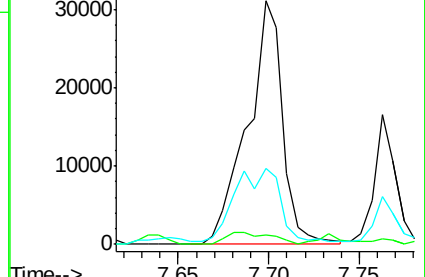
77 31.2 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#37

2-Methylnaphthalene

Concen: 27.63 ng

RT: 8.62 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

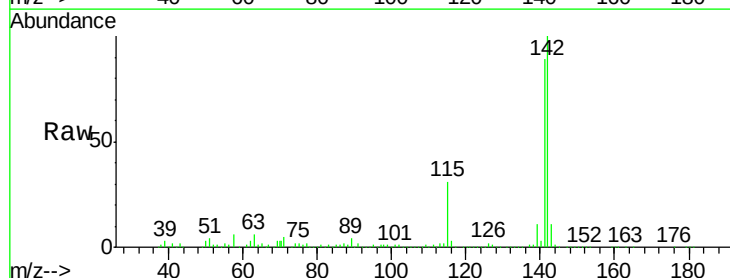
Tgt Ion:142 Resp: 435133

Ion Ratio Lower Upper

142 100

141 89.4 71.3 106.9

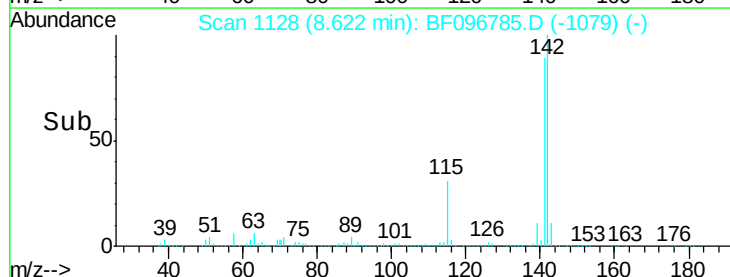
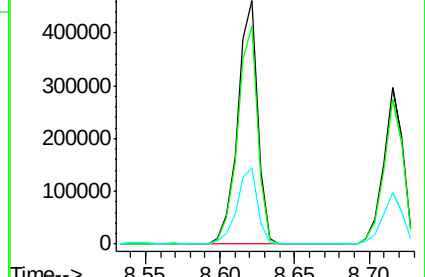
115 31.4 27.1 40.7

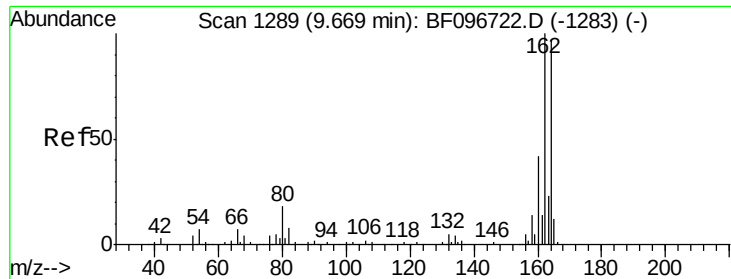


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

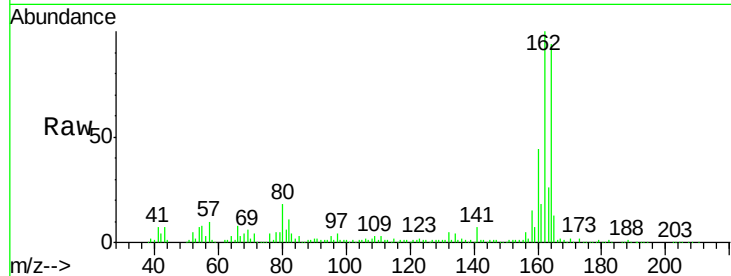




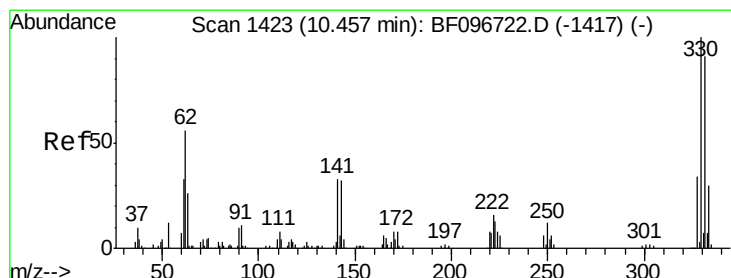
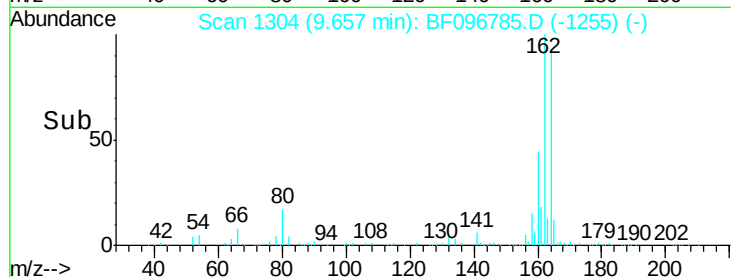
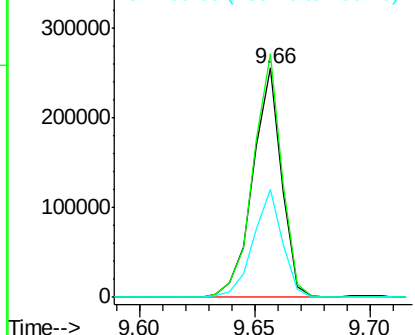
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 223254
Ion Ratio Lower Upper
164 100
162 106.1 82.6 123.8
160 46.9 36.2 54.2

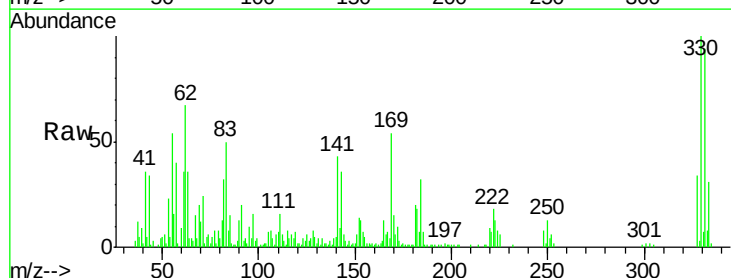


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

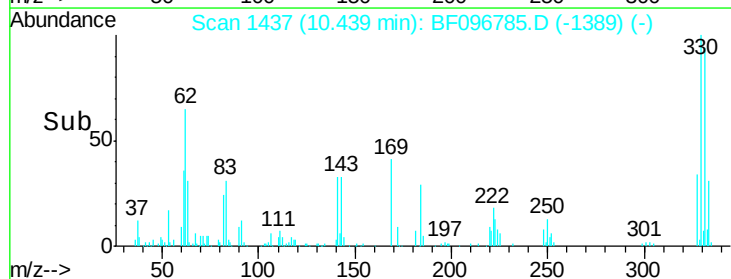
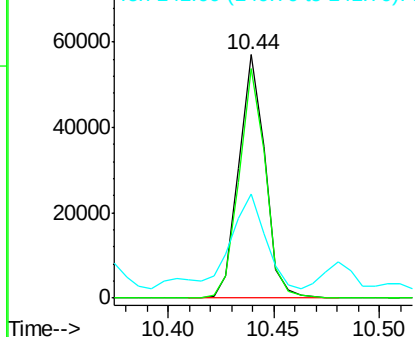


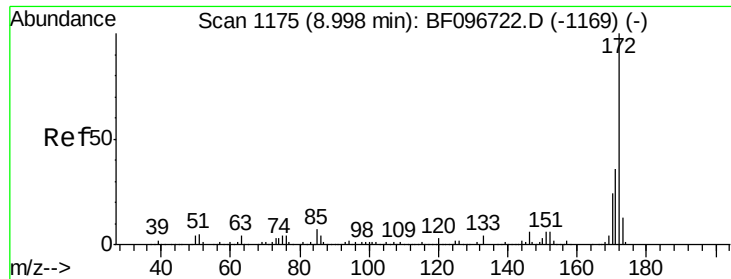
#41
2,4,6-Tribromophenol
Concen: 25.61 ng
RT: 10.44 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion:330 Resp: 48801
Ion Ratio Lower Upper
330 100
332 94.7 76.6 115.0
141 56.8 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

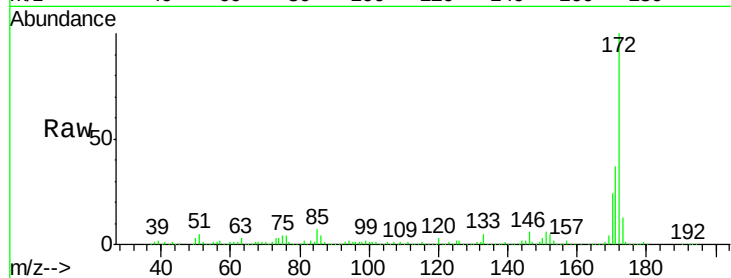




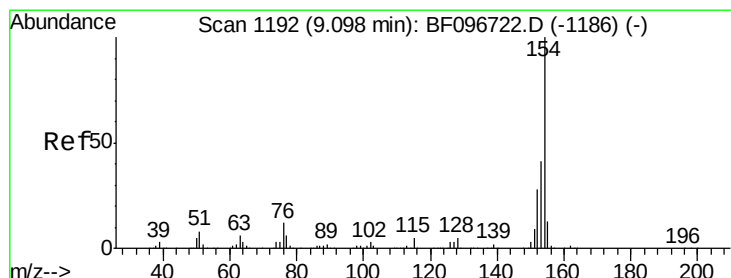
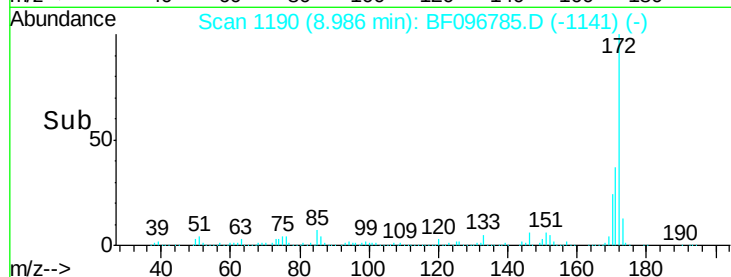
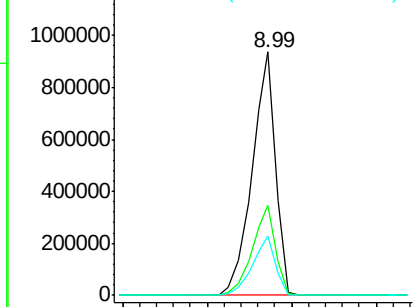
#44
 2-Fluorobiphenyl
 Concen: 63.87 ng
 RT: 8.99 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 902518
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.6 44.4
 170 24.5 19.8 29.8

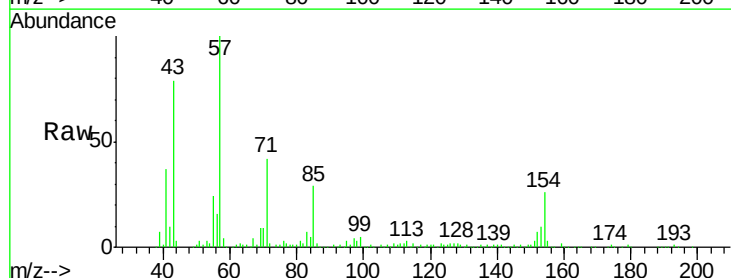


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

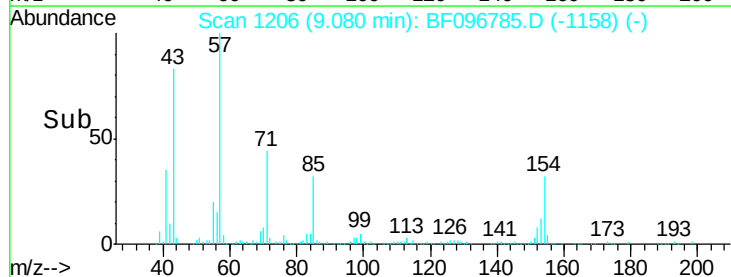
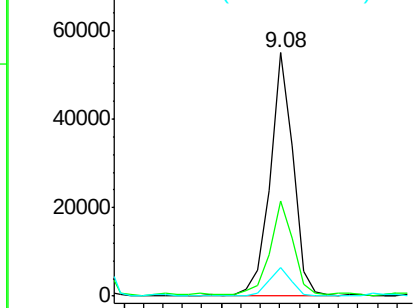


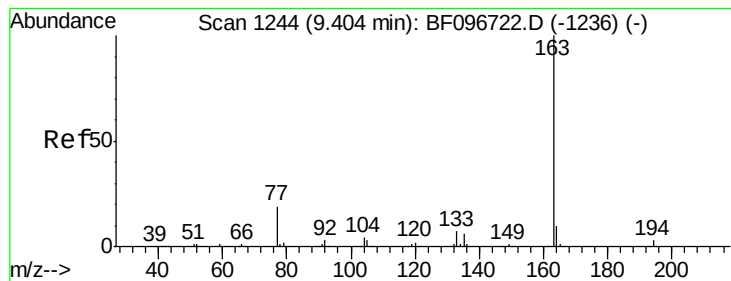
#45
 1,1'-Biphenyl
 Concen: 2.36 ng
 RT: 9.08 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

Tgt Ion:154 Resp: 45132
 Ion Ratio Lower Upper
 154 100
 153 38.9 21.2 61.2
 76 11.6 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 8.36 ng

RT: 9.38 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

ClientSampleId :

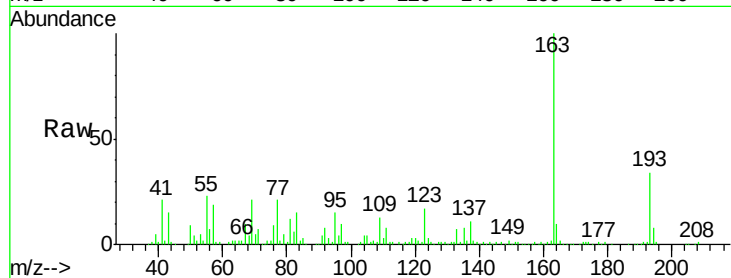
Tot Ion:163 Resp: 140611

Ion Ratio Lower Upper

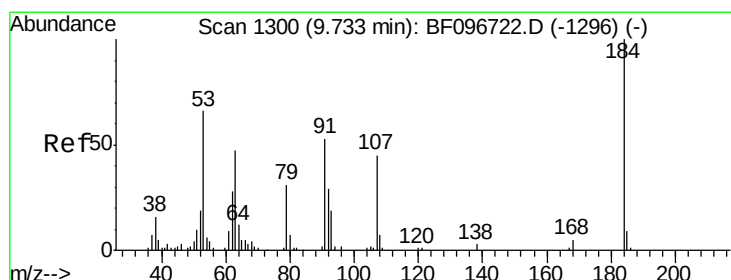
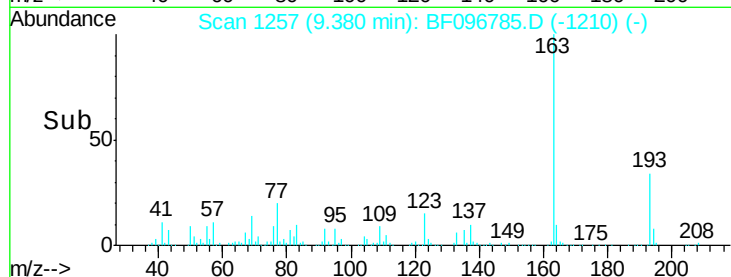
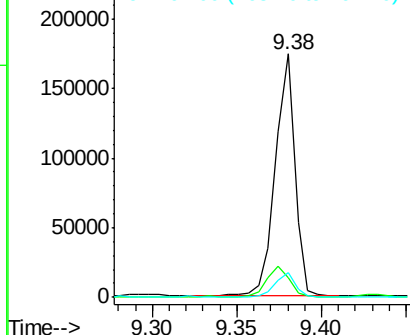
163 100

194 8.0 2.6 4.0#

164 10.3 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: 6.98 ng

RT: 9.88 min Scan# 1342

Delta R.T. 0.15 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

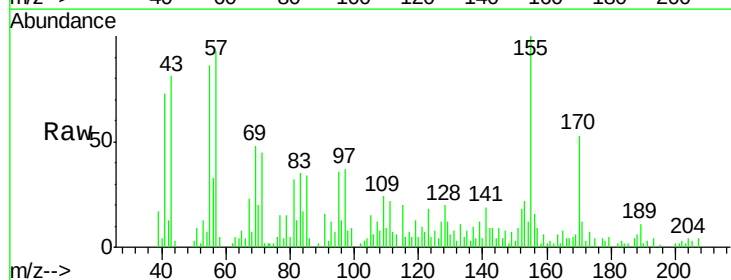
Tgt Ion:184 Resp: 463

Ion Ratio Lower Upper

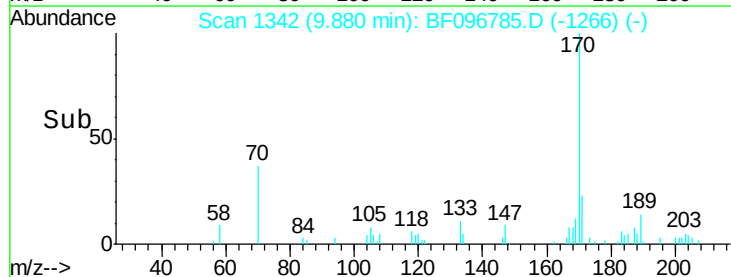
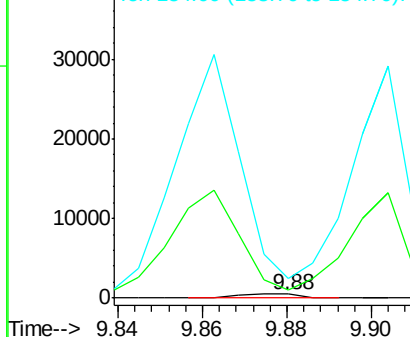
184 100

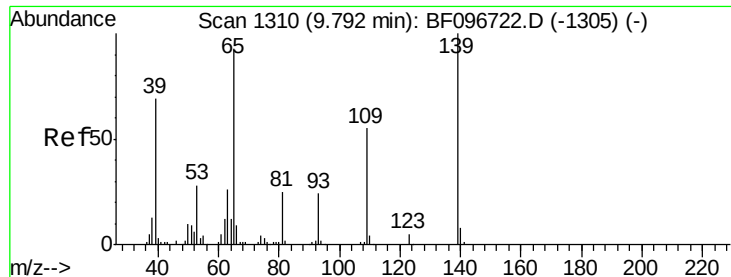
63 223.6 62.7 94.1#

154 497.9 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

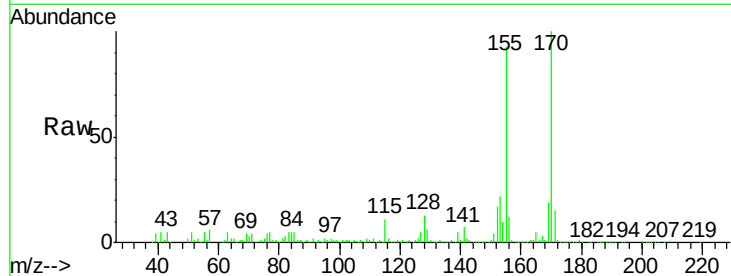




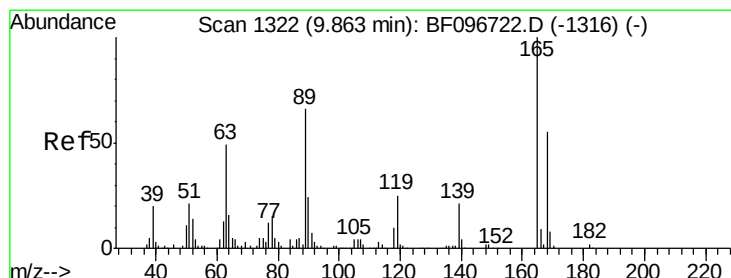
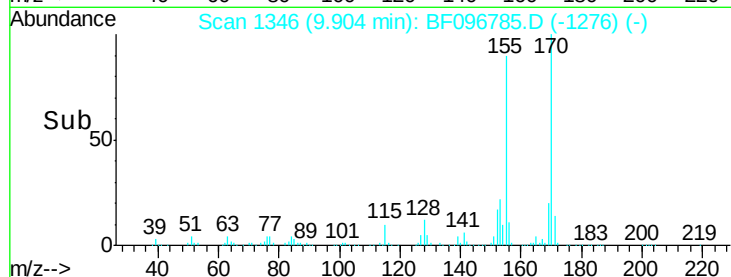
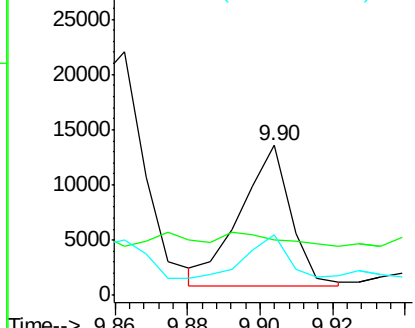
#55
4-Nitrophenol
Concen: 3.92 ng
RT: 9.90 min Scan# 1346
Delta R.T. 0.11 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	37.3	34.1	74.1
65	40.3	31.4	71.4



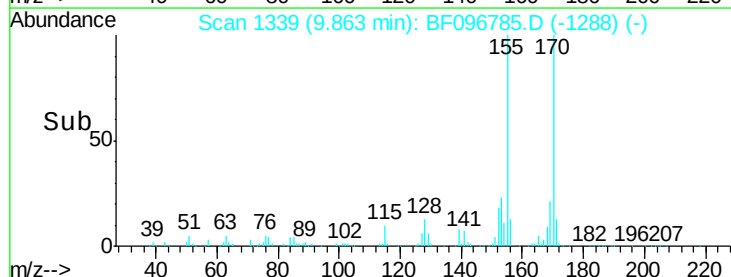
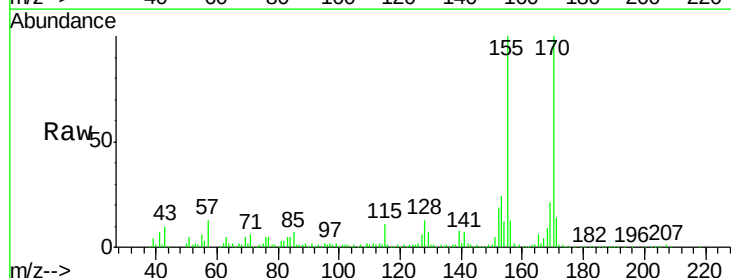
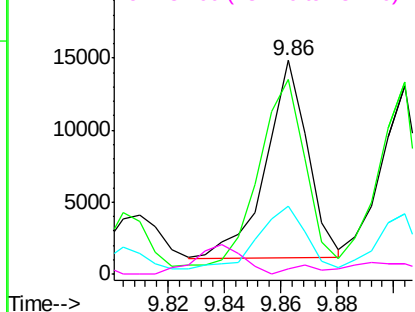
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

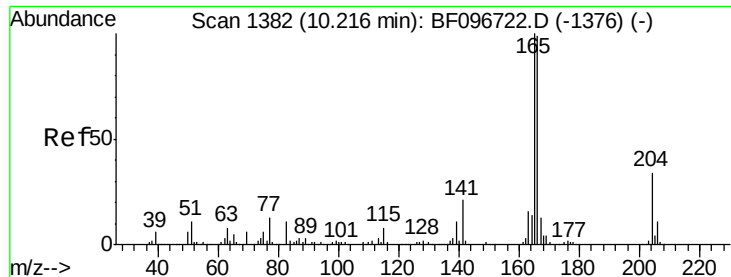


#56
2,4-Dinitrotoluene
Concen: 3.02 ng
RT: 9.86 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	91.3	25.4	38.0#
89	31.6	46.4	69.6#
182	2.6	1.8	2.6

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

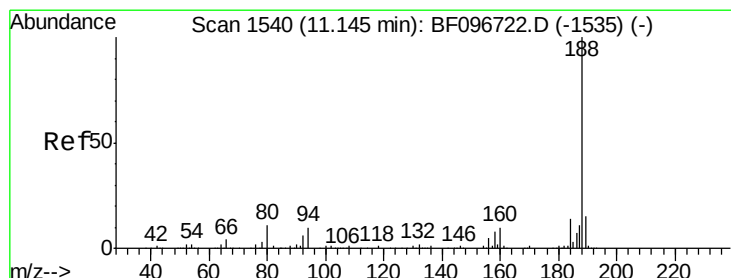
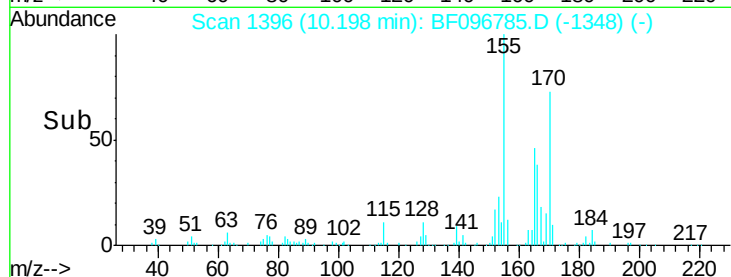
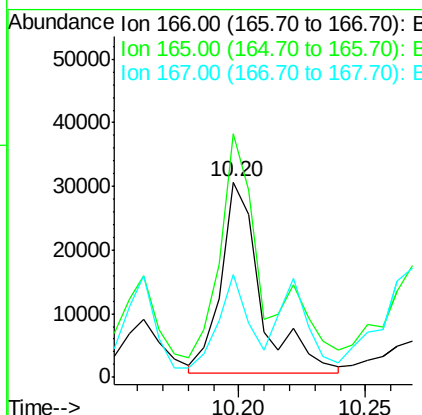
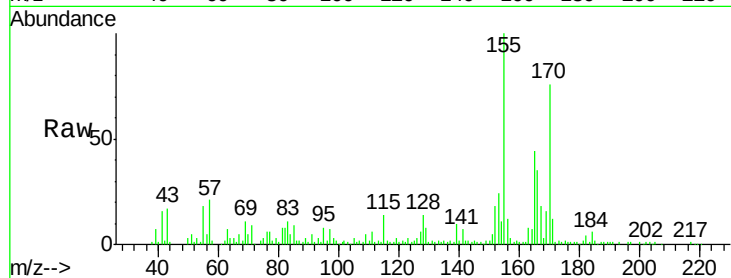




#57
 Fluorene
 Concen: 2.40 ng
 RT: 10.20 min Scan# 1396
 Delta R.T. -0.02 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

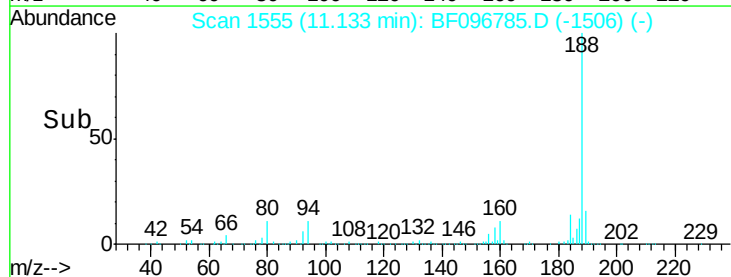
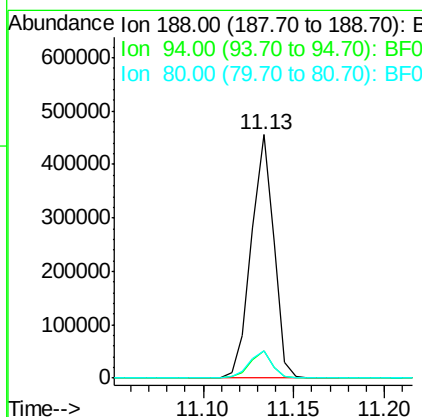
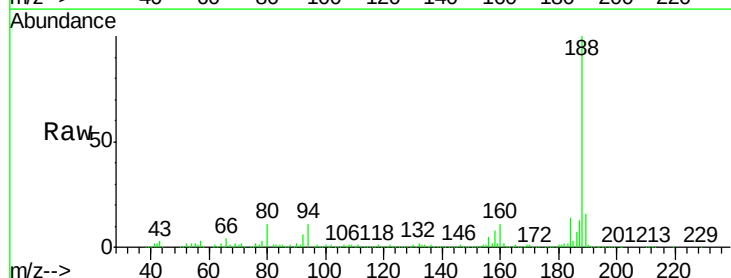
Instrument :
 BNA_F
 ClientSampled :

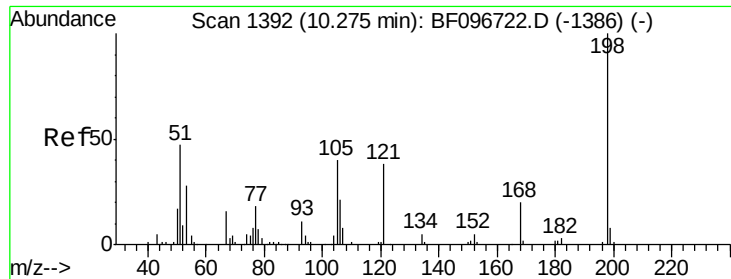
Tot Ion:166 Resp: 32947
 Ion Ratio Lower Upper
 166 100
 165 124.6 78.8 118.2#
 167 52.6 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

Tgt Ion:188 Resp: 395666
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.2 10.2 15.2

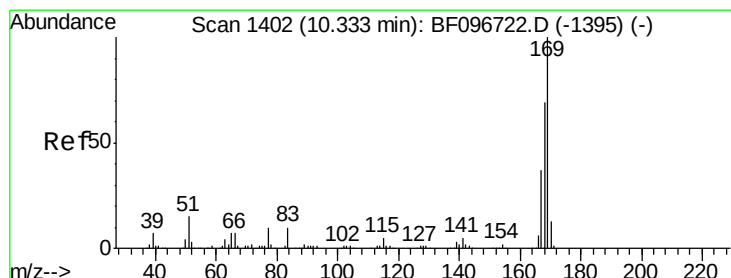
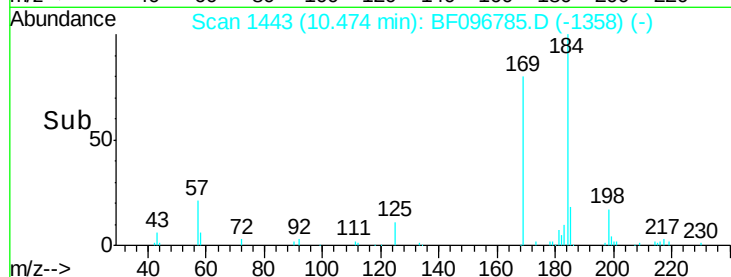
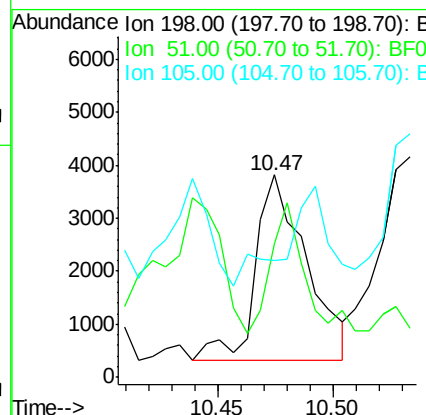
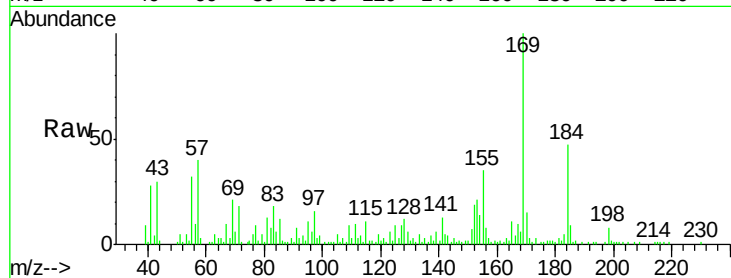




#64
4,6-Dinitro-2-methylphenol
Concen: 2.16 ng
RT: 10.47 min Scan# 1443
Delta R.T. 0.20 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

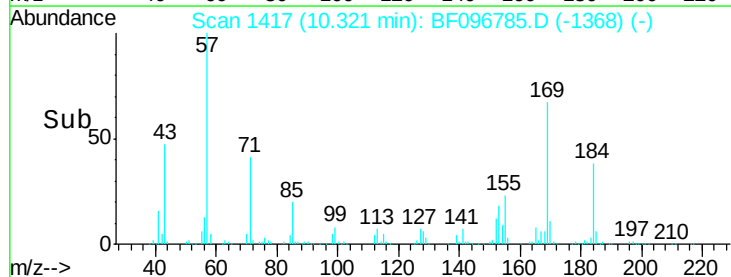
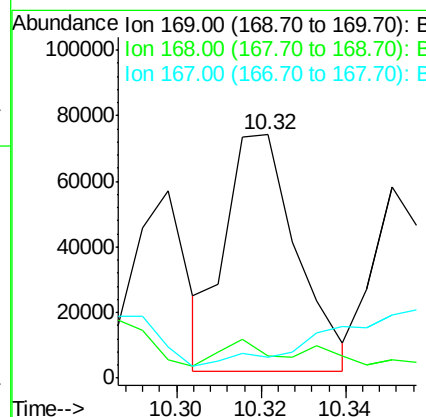
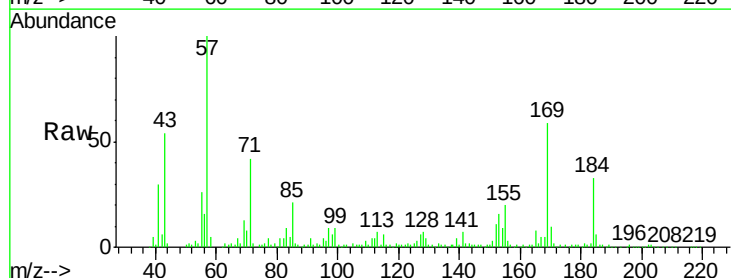
Instrument :
BNA_F
ClientSampleId :

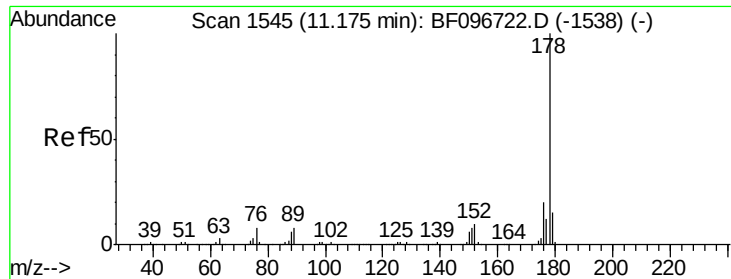
Tot Ion:198 Resp: 5364
Ion Ratio Lower Upper
198 100
51 66.1 53.2 93.2
105 58.0 45.8 85.8



#65
n-Nitrosodiphenylamine
Concen: 5.98 ng
RT: 10.32 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion:169 Resp: 84530
Ion Ratio Lower Upper
169 100
168 9.0 53.2 79.8#
167 8.8 29.5 44.3#





#70

Phenanthrene

Concen: 3.06 ng

RT: 11.16 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

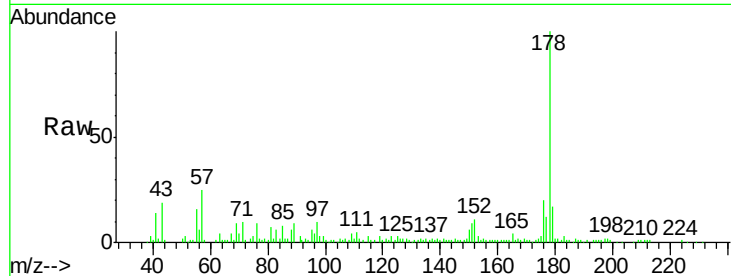
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 65915

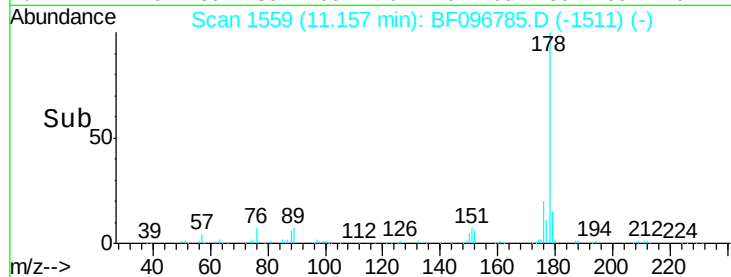
Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	16.8	12.6	19.0



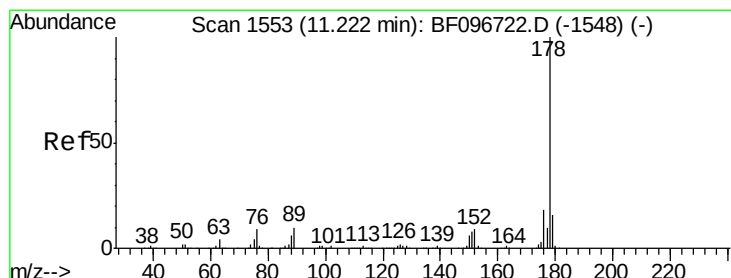
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 3.03 ng

RT: 11.16 min Scan# 1559

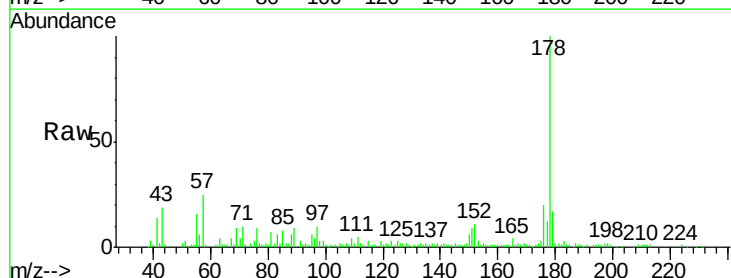
Delta R.T. -0.06 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Tgt Ion:178 Resp: 65915

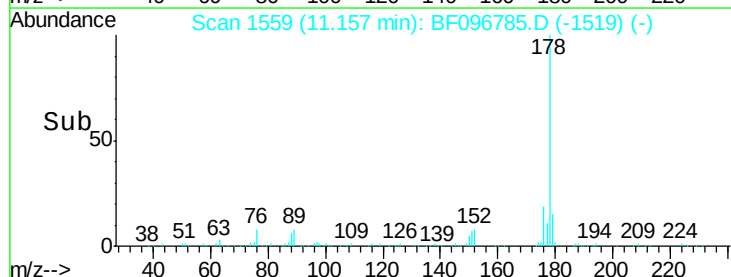
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.8	12.7	19.1



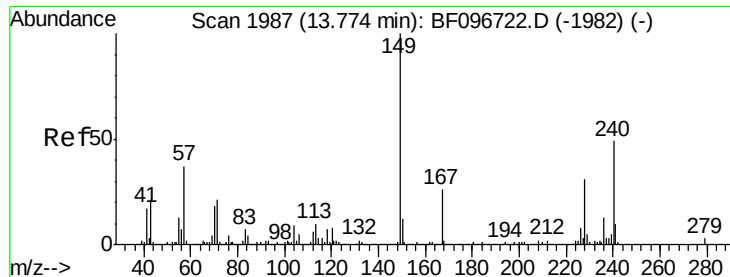
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

ClientSampleId :

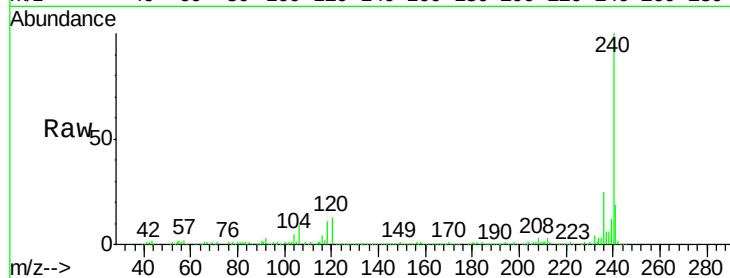
Tot Ion:240 Resp: 346389

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

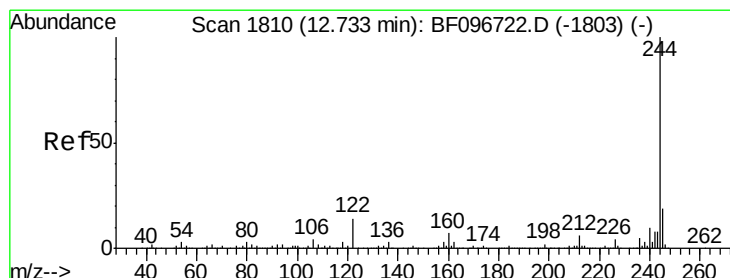
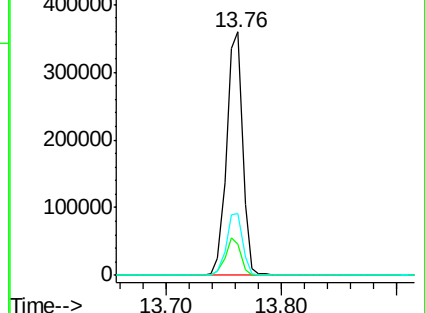
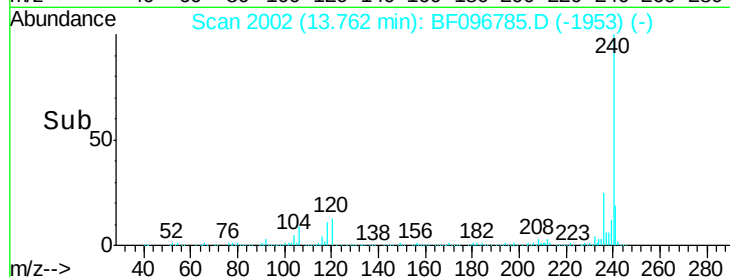
236 25.2 20.5 30.7



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: 39.22 ng

RT: 12.72 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

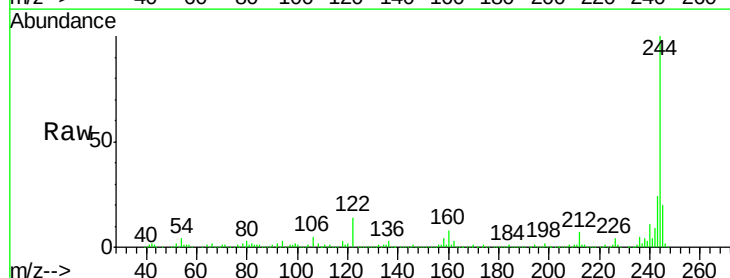
Tgt Ion:244 Resp: 783340

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

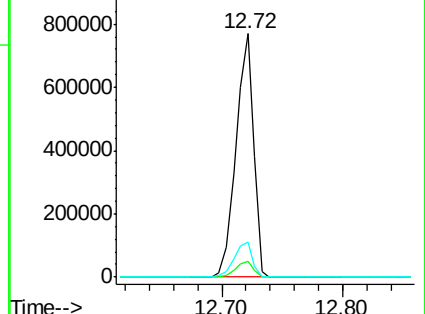
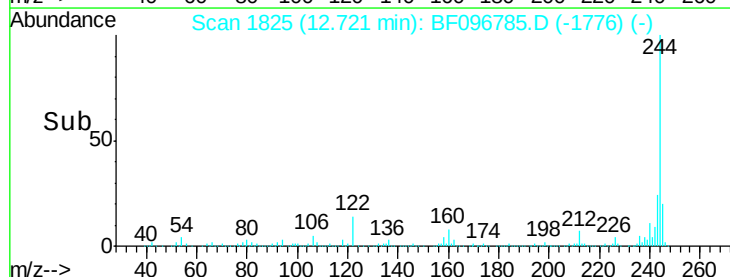
122 14.4 10.3 15.5

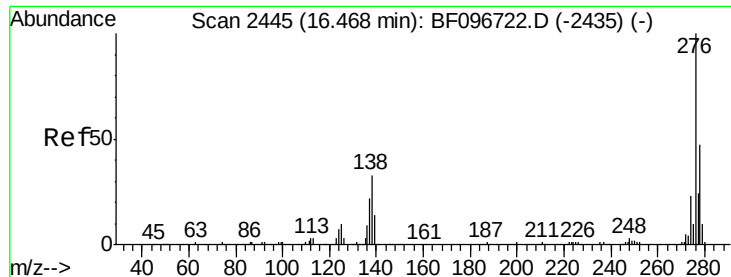


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.46 ng

RT: 16.43 min Scan# 2456

Delta R.T. -0.04 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

ClientSampleId :

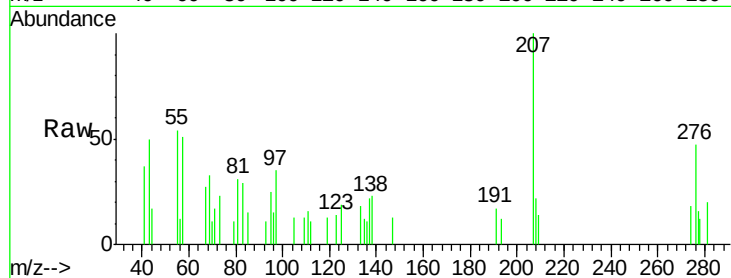
Tot Ion:276 Resp: 2758

Ion Ratio Lower Upper

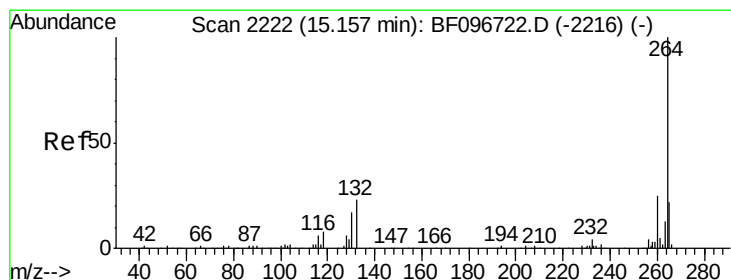
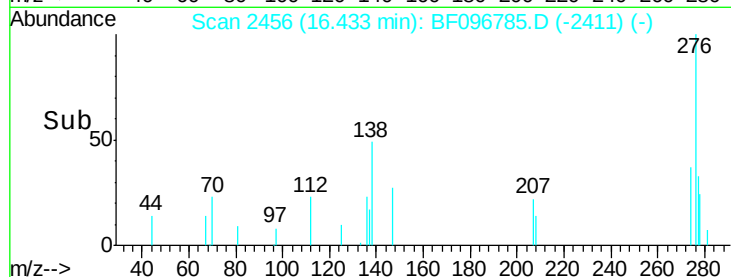
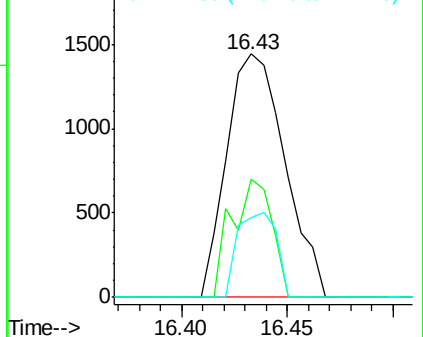
276 100

138 33.6 27.8 41.6

277 23.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

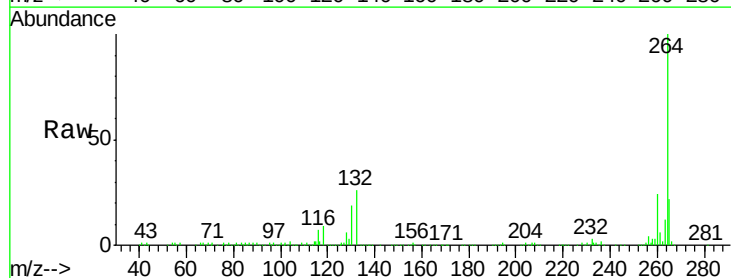
Tgt Ion:264 Resp: 253970

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.8 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

