

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096264.D
 Acq On : 28 Jun 2017 22:04
 Operator : SJ/MA
 Sample : I3911-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:38:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

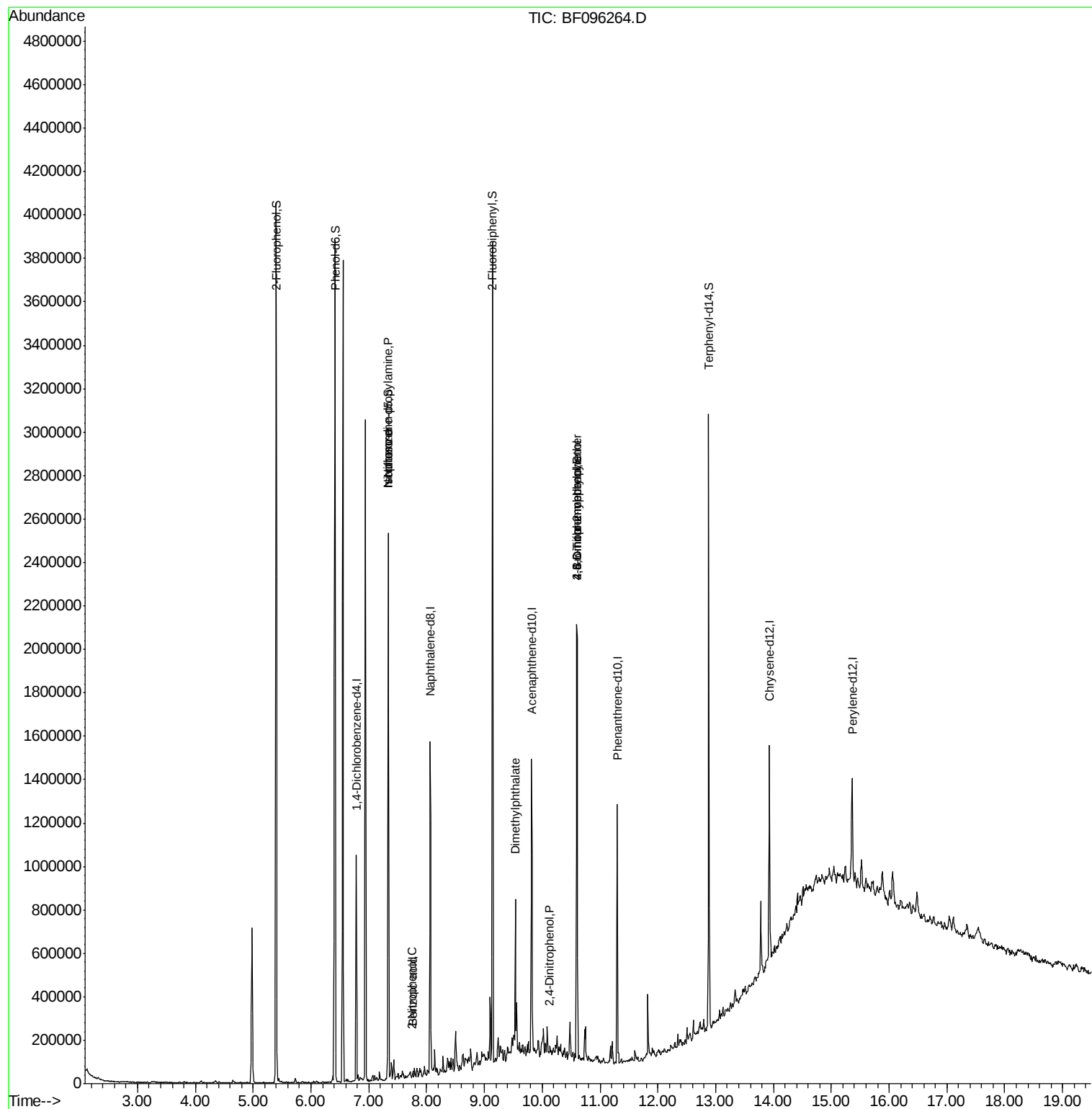
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	152468	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	607301	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	235028	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	384565	20.00	ng	0.01
75) Chrysene-d12	13.93	240	331129	20.00	ng	0.01
86) Perylene-d12	15.36	264	242617	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1132582	107.02	ng	0.02
7) Phenol-d6	6.42	99	1360330	106.15	ng	0.02
23) Nitrobenzene-d5	7.34	82	748129	85.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	265756	143.68	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	1173990	91.48	ng	-0.01
78) Terphenyl-d14	12.88	244	929783	70.07	ng	0.01
Target Compounds						
9) Benzaldehyde	6.42	77	1975	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.34	70	99032	12.90	ng	# 88
25) Isophorone	7.34	82	746138	37.45	ng	# 67
26) 2-Nitrophenol	7.75	139	110	6.07	ng	# 40
32) Benzoic acid	7.75	122	135	8.80	ng	# 80
49) Dimethylphthalate	9.53	163	277579	16.50	ng	99
53) 2,4-Dinitrophenol	10.11	184	116	7.64	ng	# 57
57) Fluorene	10.36	166	3486	Below Cal	#	94
60) 4-Chlorophenyl-phenylether	10.31	204	232	Below Cal	#	1
64) 4,6-Dinitro-2-methylphenol	10.60	198	468	8.94	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	14490	3.66	ng	# 1
70) Phenanthrene	11.32	178	14843	Below Cal		95

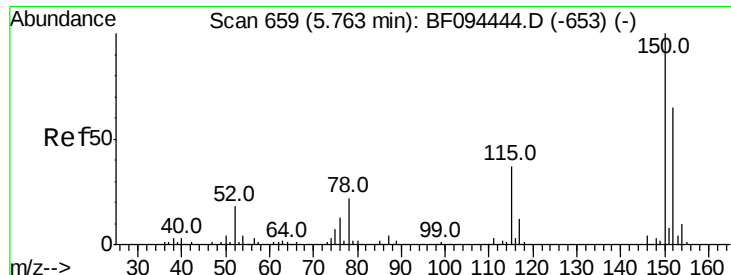
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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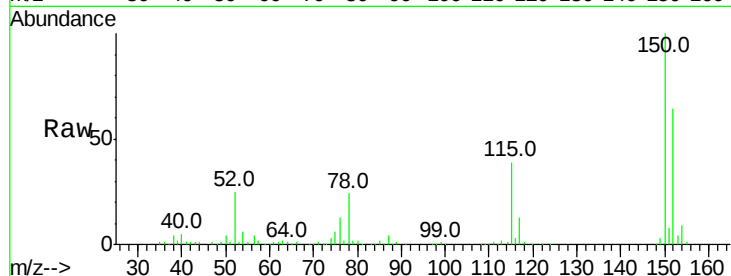


#1

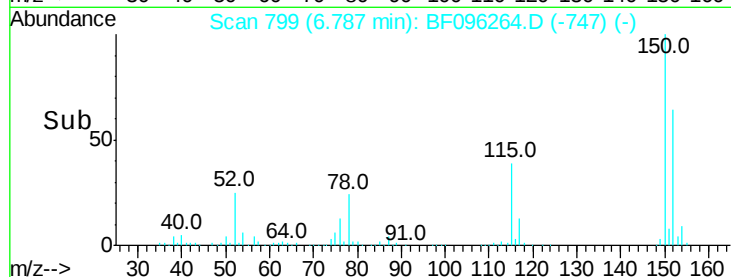
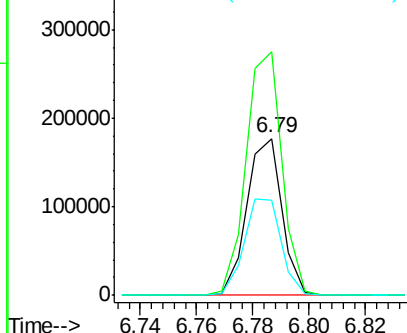
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF096264.D
Acq: 28 Jun 2017 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152468
Ion Ratio Lower Upper
152 100
150 155.1 126.2 189.2
115 61.0 52.2 78.2



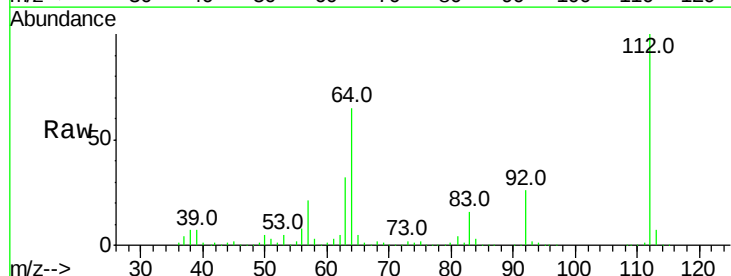
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



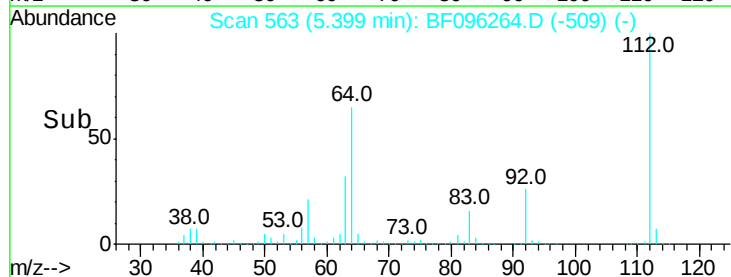
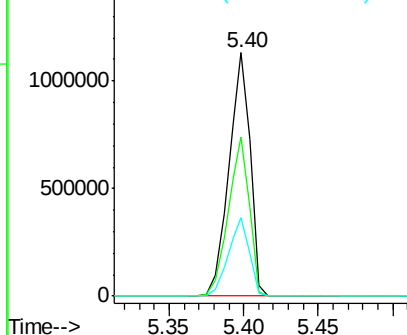
#5

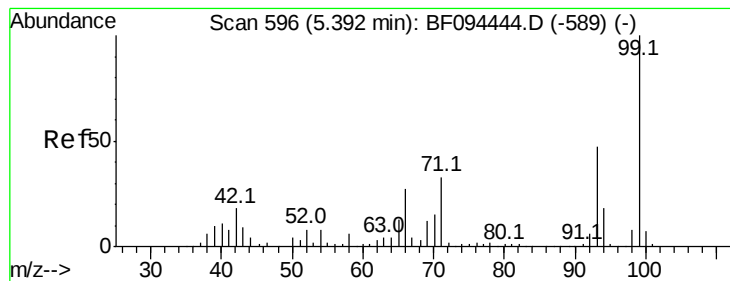
2-Fluorophenol
Concen: 107.02 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF096264.D
Acq: 28 Jun 2017 22:04

Tgt Ion:112 Resp: 1132582
Ion Ratio Lower Upper
112 100
64 65.4 46.0 69.0
63 32.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.15 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

Instrument :

BNA_F

ClientSampled :

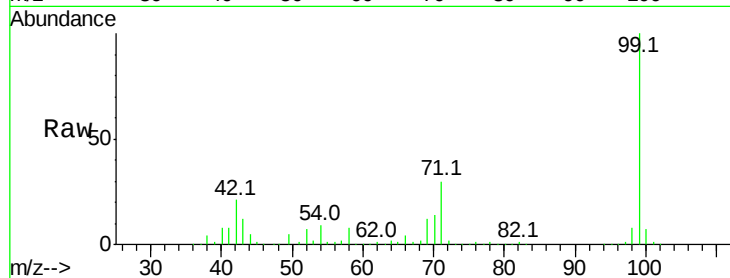
Tot Ion: 99 Resp: 1360330

Ion Ratio Lower Upper

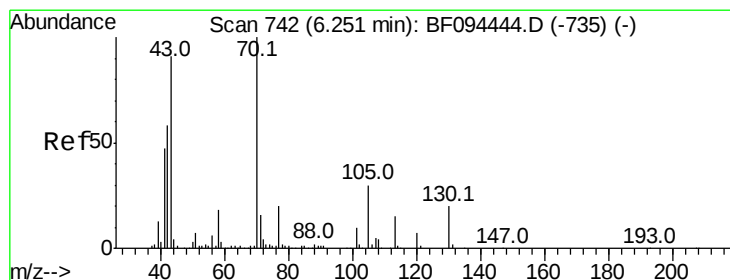
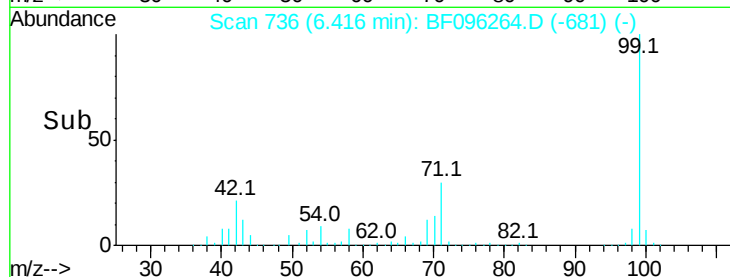
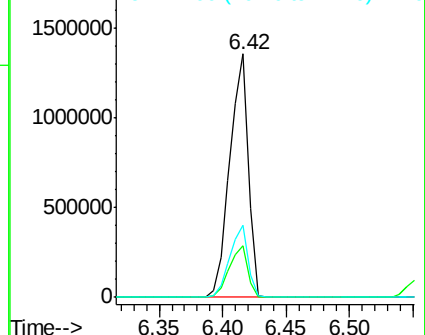
99 100

42 21.0 13.5 20.3#

71 29.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.90 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.16 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

Tgt Ion: 70 Resp: 99032

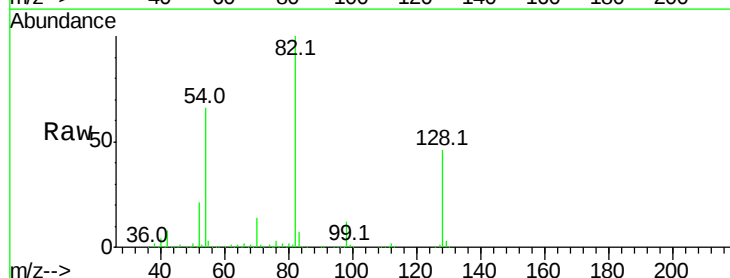
Ion Ratio Lower Upper

70 100

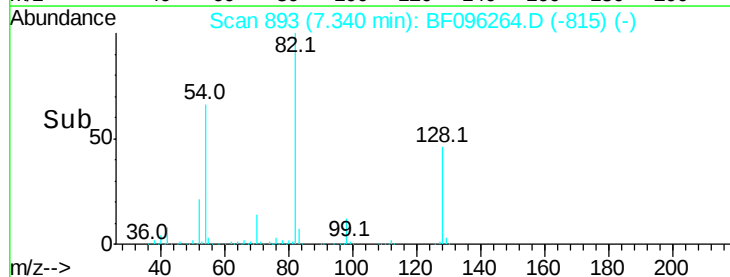
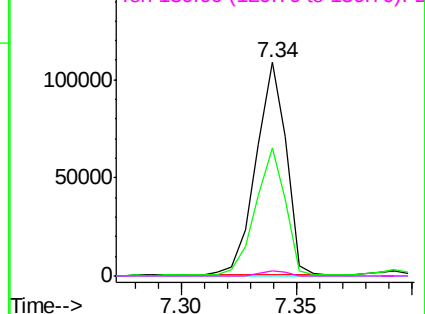
42 60.2 47.2 70.8

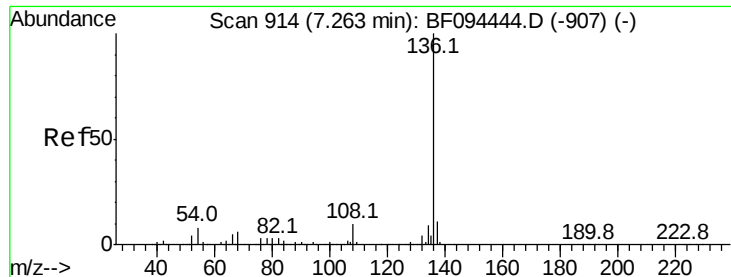
101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 607301

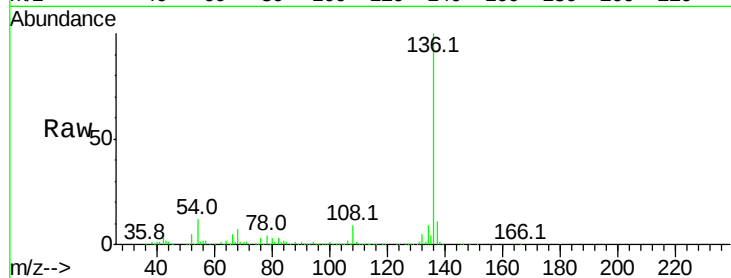
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.6 4.9 7.3#

68 7.3 4.1 6.1#

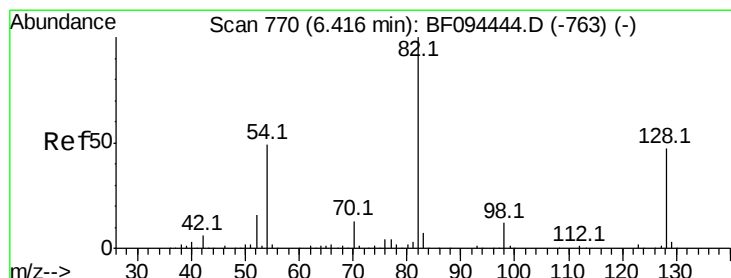
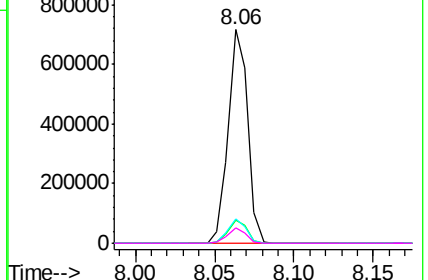
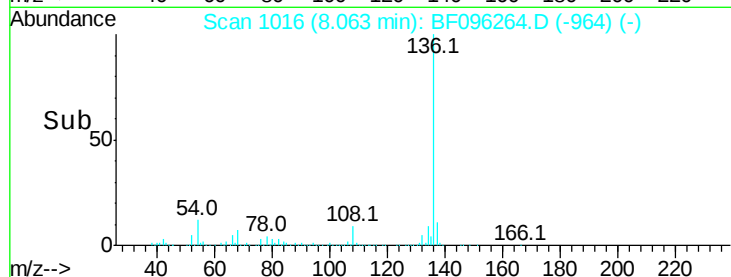


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.28 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

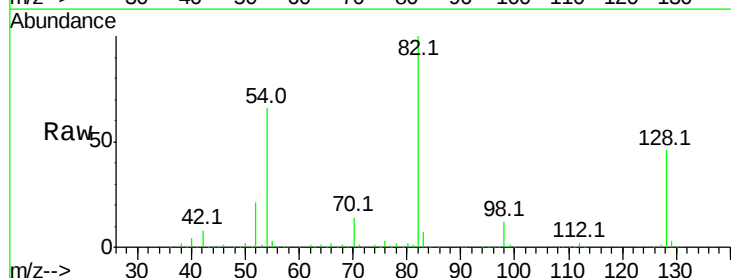
Tgt Ion: 82 Resp: 748129

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

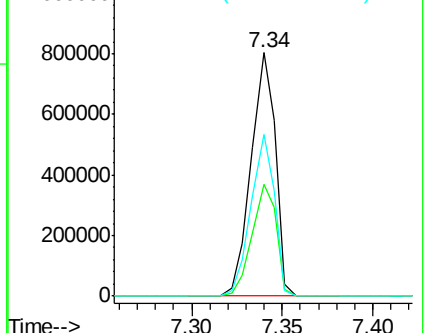
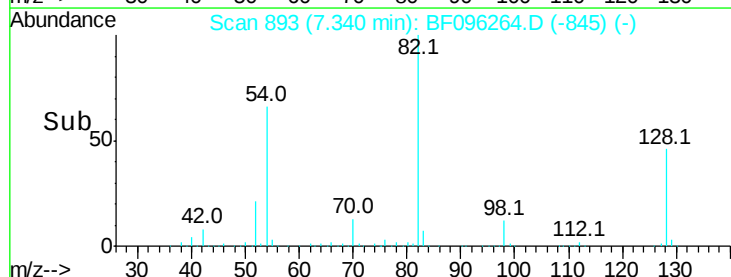
54 66.3 42.2 63.2#

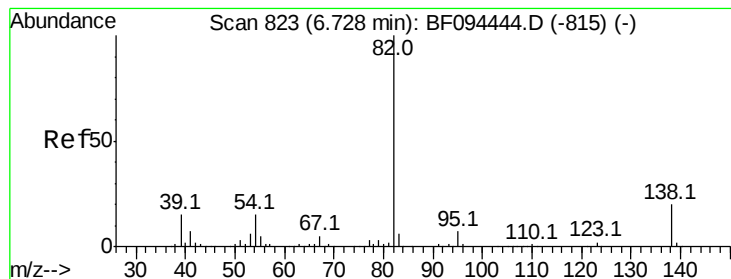


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.45 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.25 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

Instrument :

BNA_F

ClientSampleId :

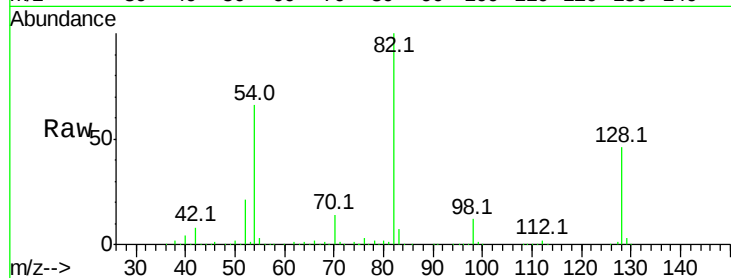
Tot Ion: 82 Resp: 746138

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

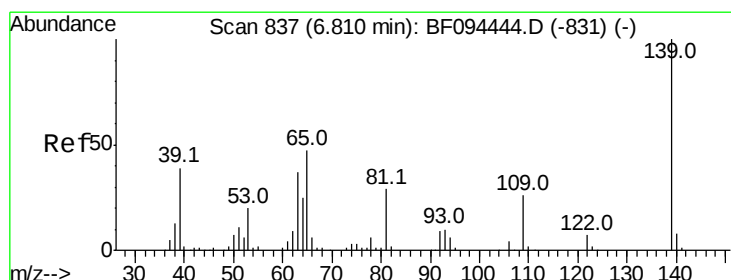
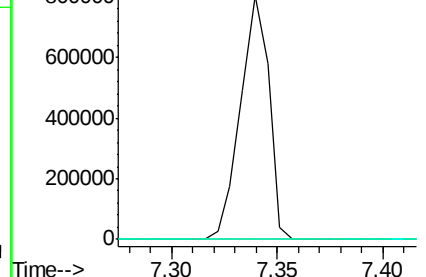
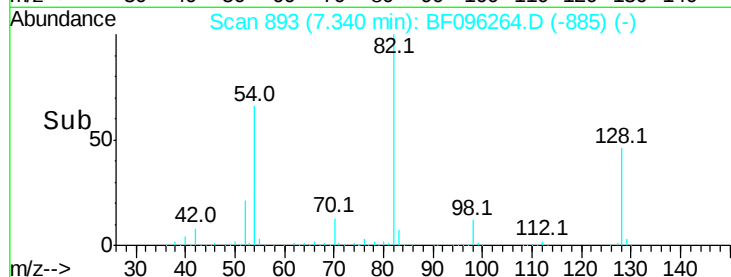
138 0.0 13.1 19.7#



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



#26

2-Nitrophenol

Concen: 6.07 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.06 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

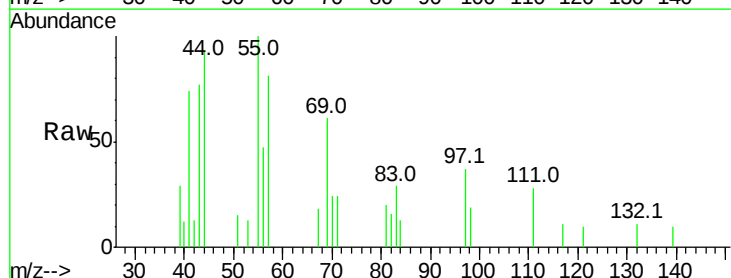
Tgt Ion: 139 Resp: 110

Ion Ratio Lower Upper

139 100

109 0.0 21.0 31.6#

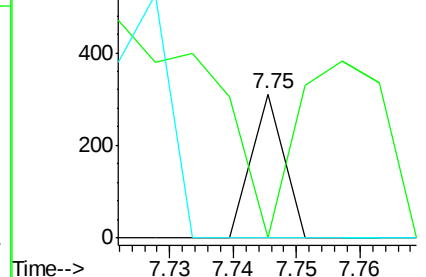
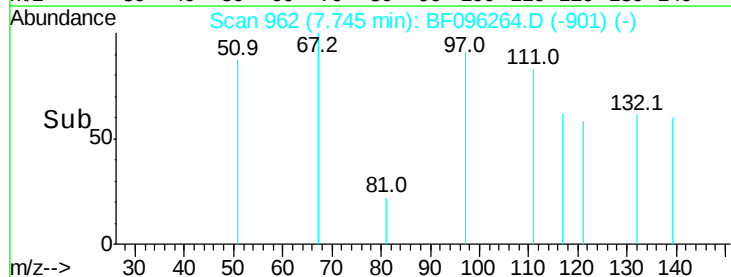
65 0.0 33.0 49.6#

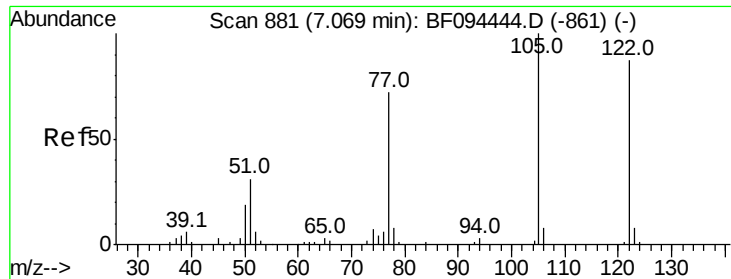


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#32

Benzoic acid

Concen: 8.80 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.13 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

Instrument :

BNA_F

ClientSampled :

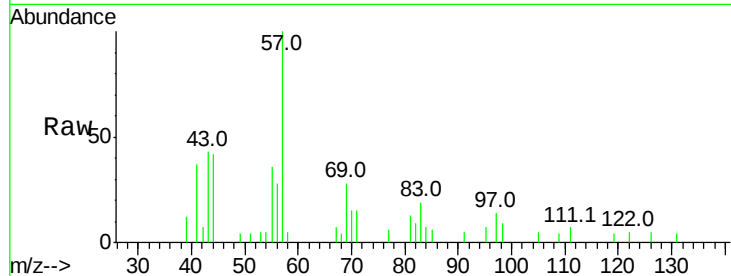
Tot Ion:122 Resp: 135

Ion Ratio Lower Upper

122 100

105 118.1 103.3 143.3

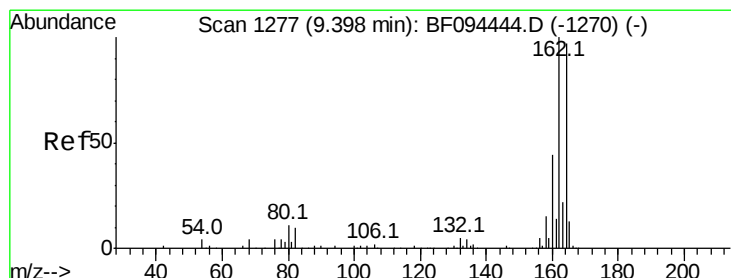
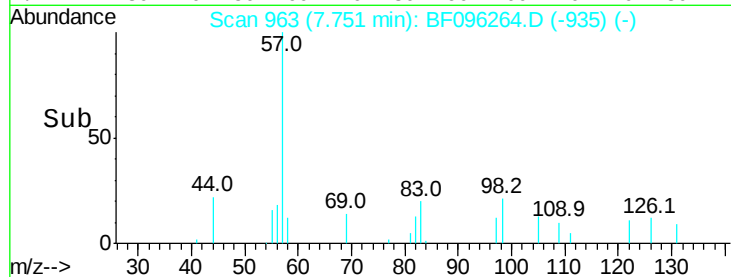
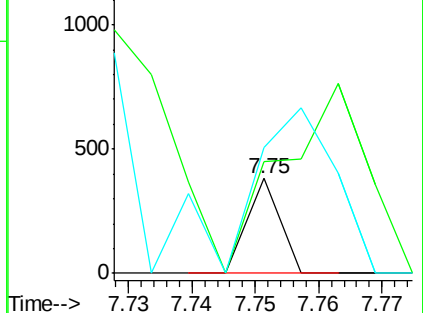
77 133.0 73.7 113.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

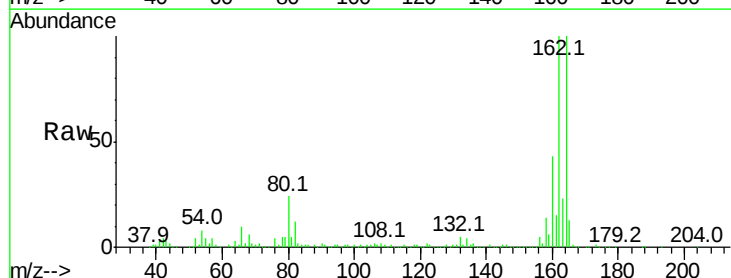
Tgt Ion:164 Resp: 235028

Ion Ratio Lower Upper

164 100

162 99.7 82.6 123.8

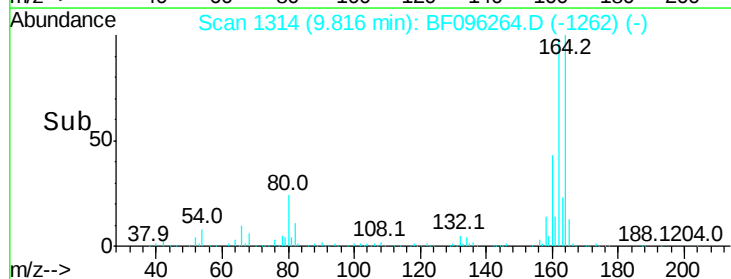
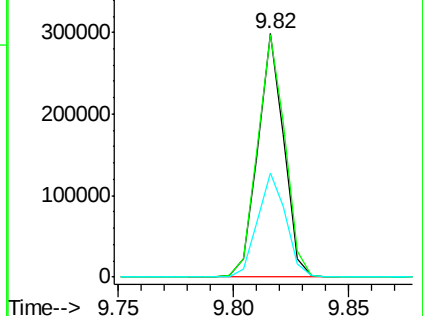
160 42.9 36.2 54.2

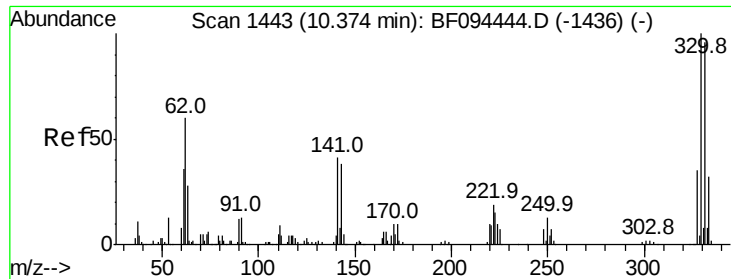


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

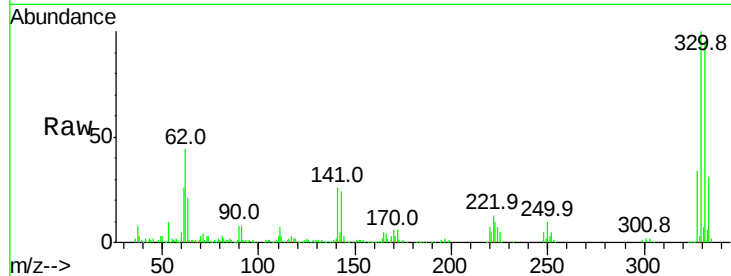




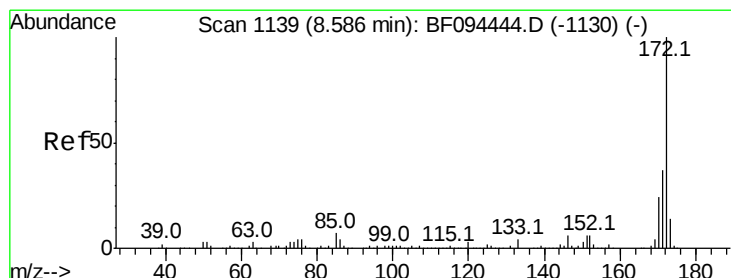
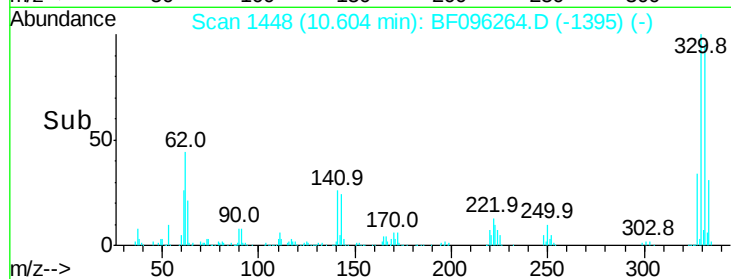
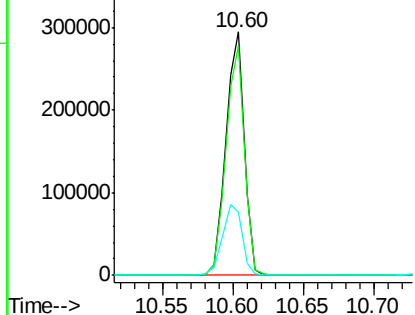
#41
 2,4,6-Tribromophenol
 Concen: 143.68 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.01 min
 Lab File: BF096264.D
 Acq: 28 Jun 2017 22:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 265756
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 115.0
 141 30.7 31.4 47.2#

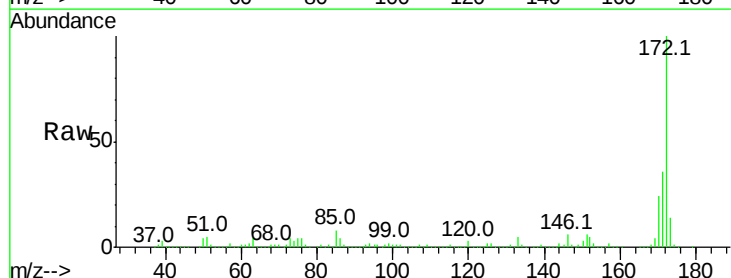


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

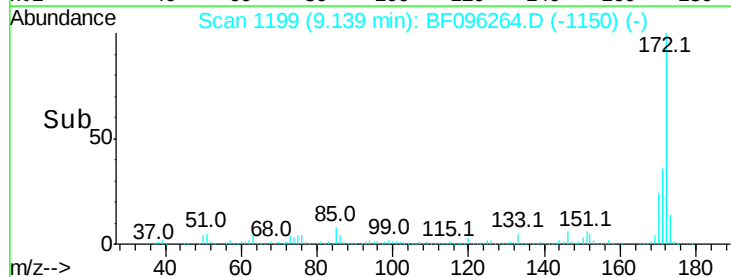
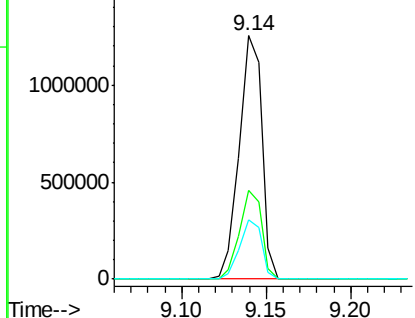


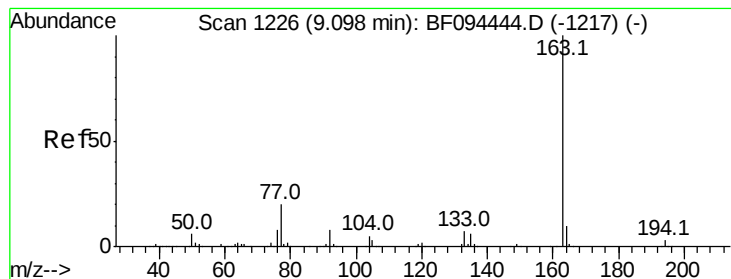
#44
 2-Fluorobiphenyl
 Concen: 91.48 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096264.D
 Acq: 28 Jun 2017 22:04

Tgt Ion:172 Resp: 1173990
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.4 19.8 29.8



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





#49

Dimethylphthalate

Concen: 16.50 ng

RT: 9.53 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

Instrument :

BNA_F

ClientSampleId :

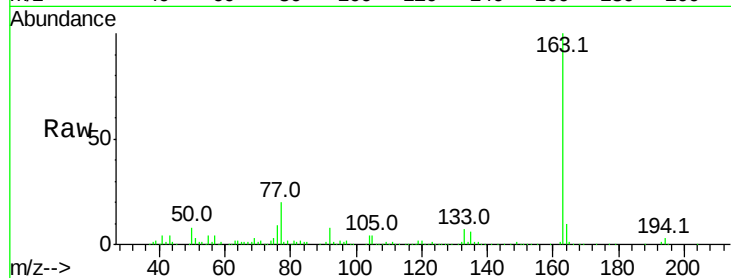
Tot Ion:163 Resp: 277579

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

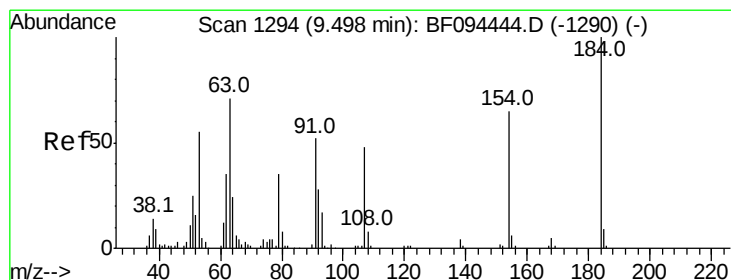
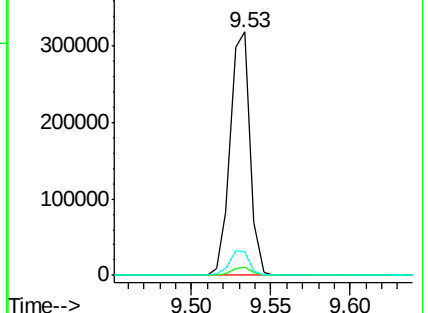
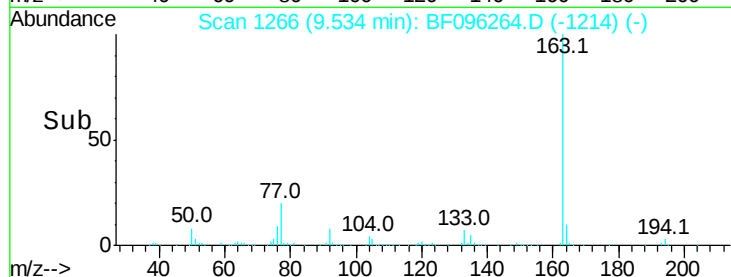
164 9.9 8.4 12.6



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: 7.64 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.24 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

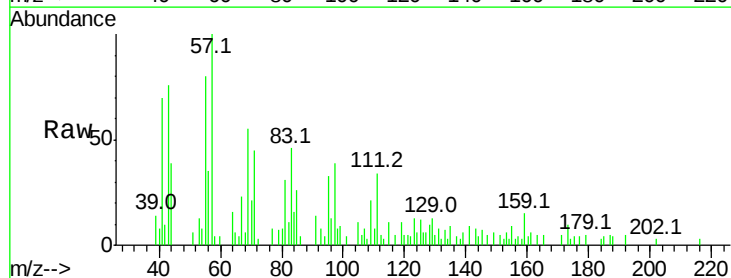
Tgt Ion:184 Resp: 116

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

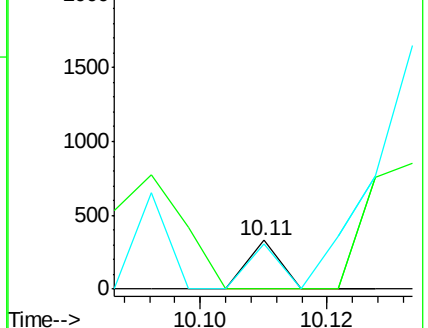
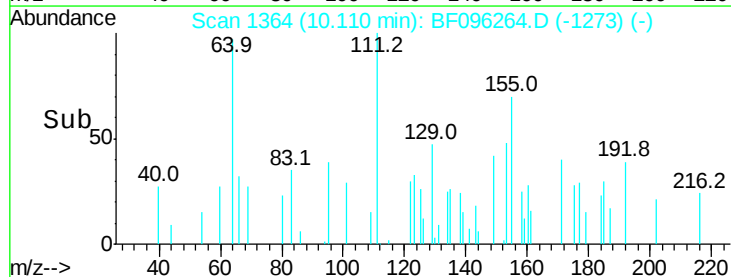
154 93.9 81.1 121.7

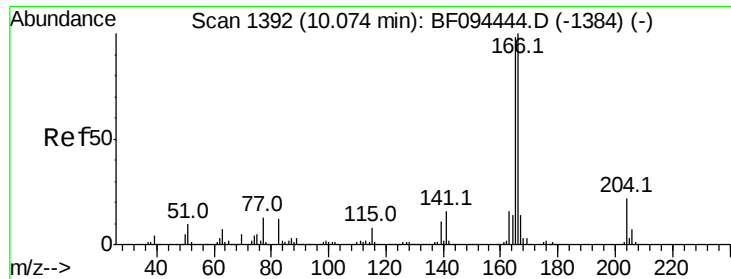


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

Instrument :

BNA_F

ClientSampleId :

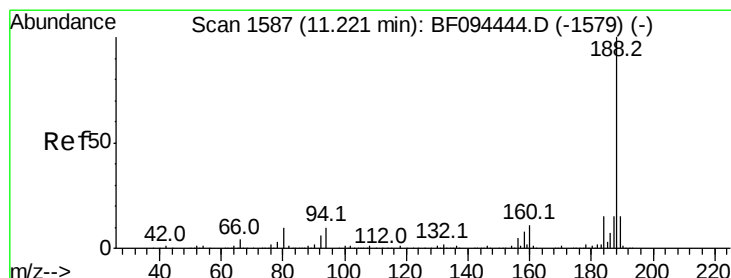
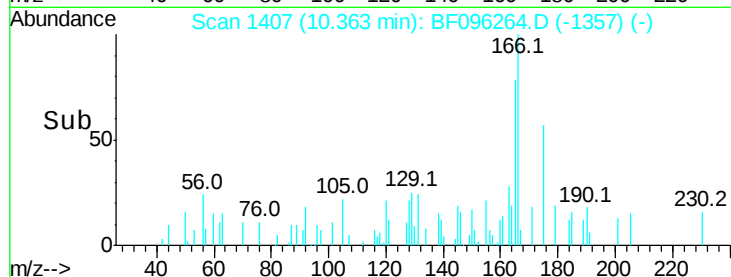
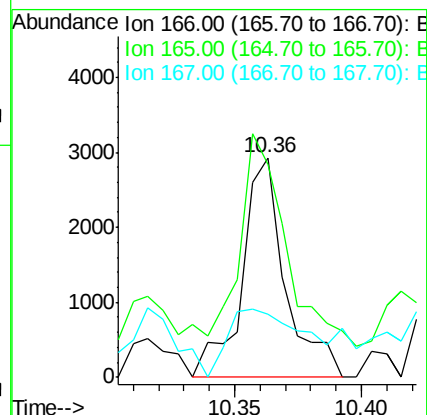
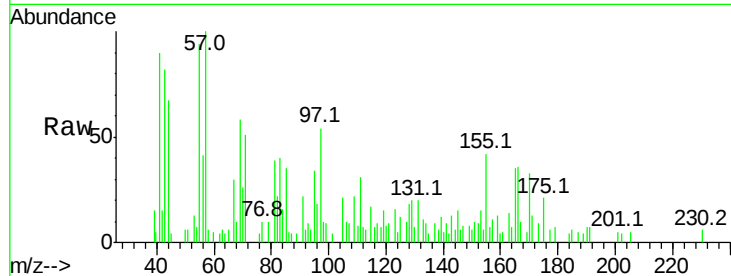
Tot Ion:166 Resp: 3486

Ion Ratio Lower Upper

166 100

165 96.7 78.8 118.2

167 28.6 10.6 16.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

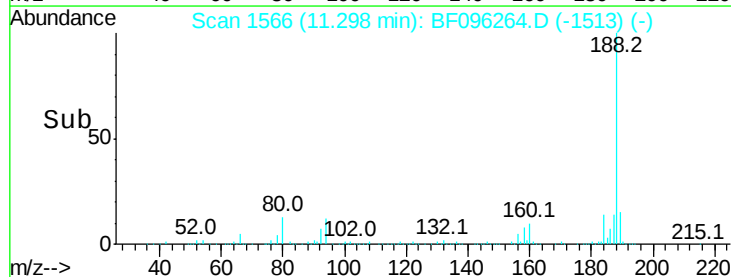
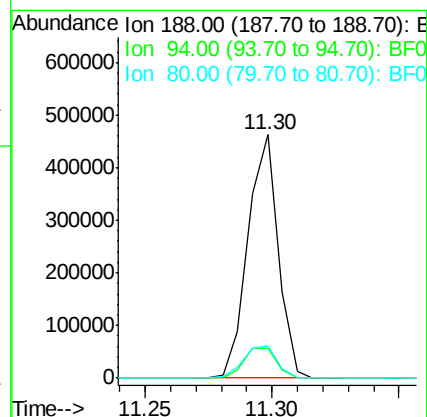
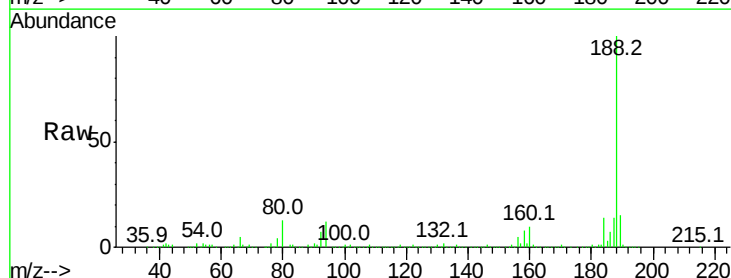
Tgt Ion:188 Resp: 384565

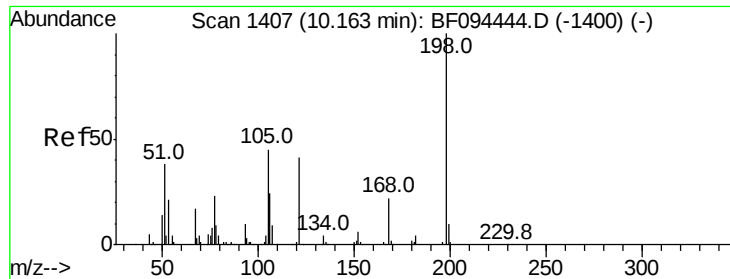
Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.2

80 13.5 10.2 15.2

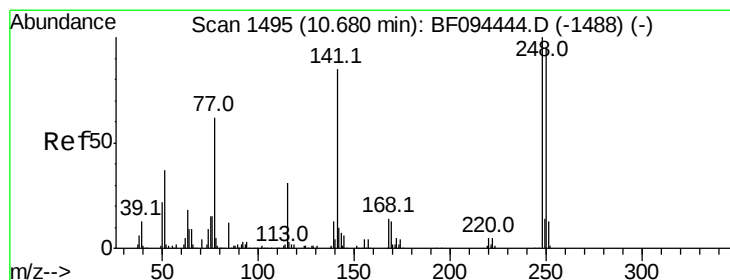
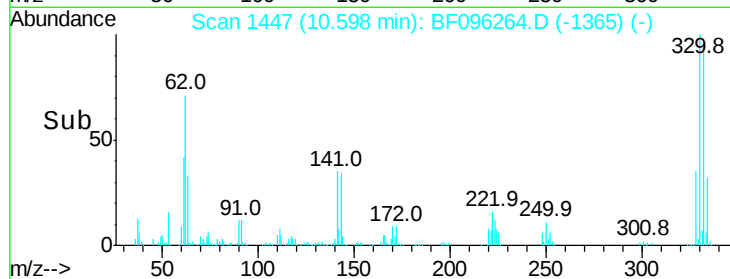
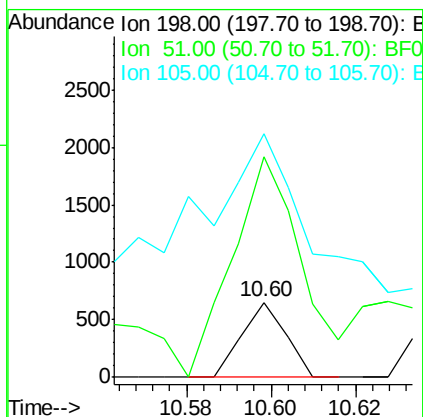
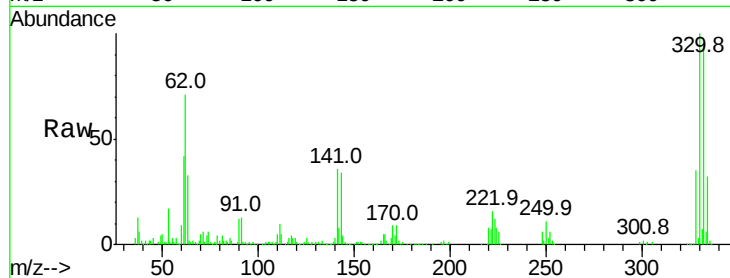




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.94 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.18 min
 Lab File: BF096264.D
 Acq: 28 Jun 2017 22:04

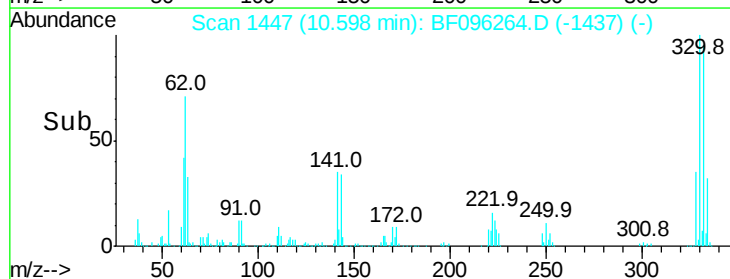
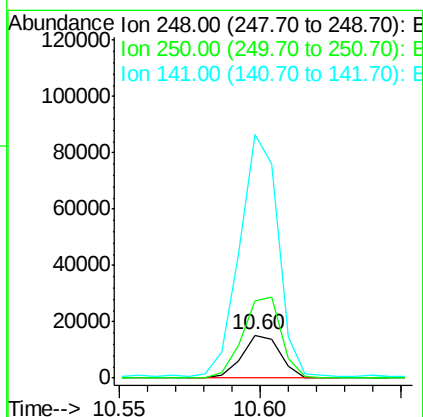
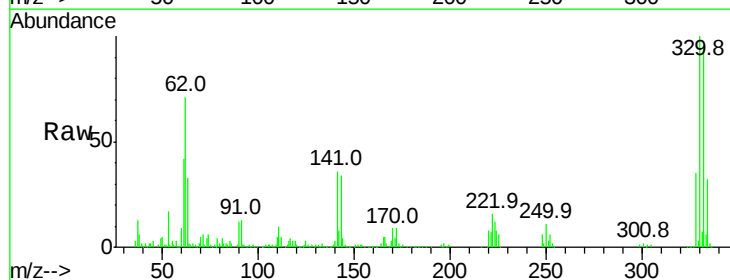
Instrument :
 BNA_F
 ClientSampled :

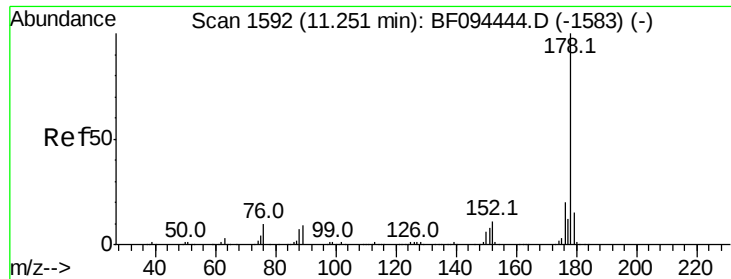
Tot Ion:198 Resp: 468
 Ion Ratio Lower Upper
 198 100
 51 296.0 53.2 93.2#
 105 326.2 45.8 85.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.66 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.24 min
 Lab File: BF096264.D
 Acq: 28 Jun 2017 22:04

Tgt Ion:248 Resp: 14490
 Ion Ratio Lower Upper
 248 100
 250 179.0 76.8 115.2#
 141 568.1 68.6 103.0#

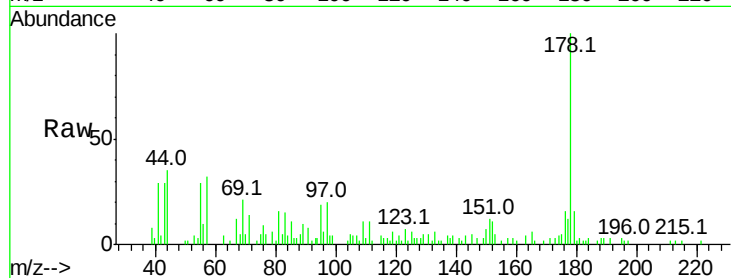




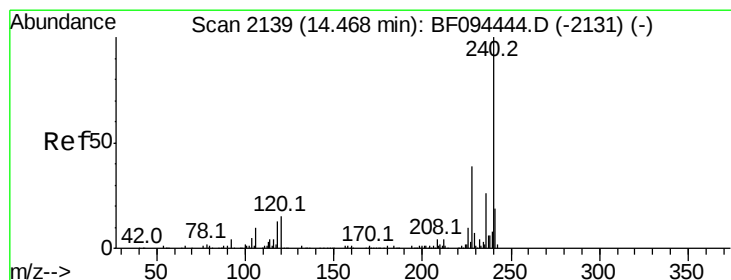
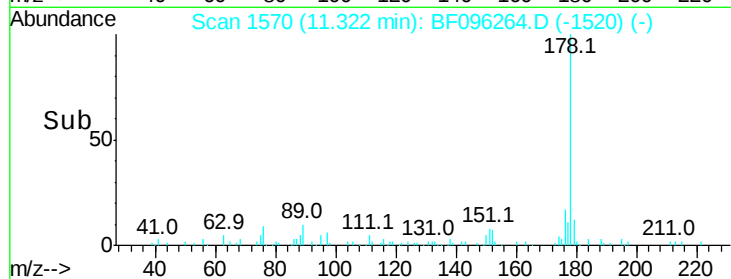
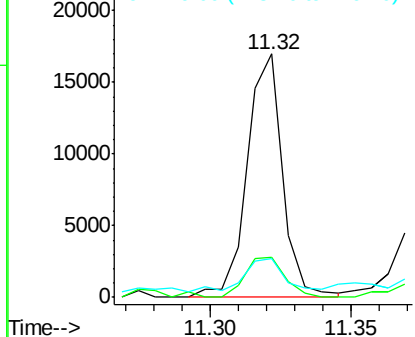
#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF096264.D
Acq: 28 Jun 2017 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 14843
Ion Ratio Lower Upper
178 100
176 16.2 16.2 24.4
179 15.7 12.6 19.0

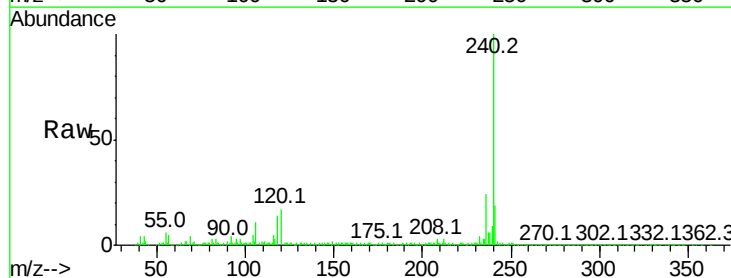


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

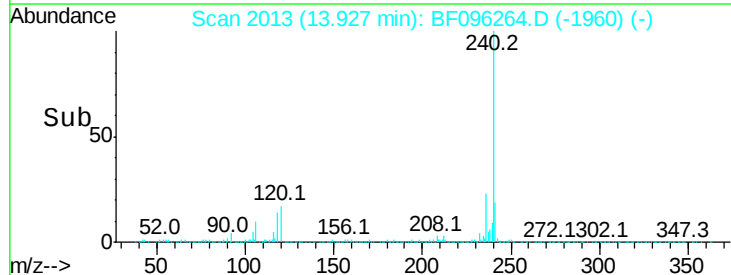
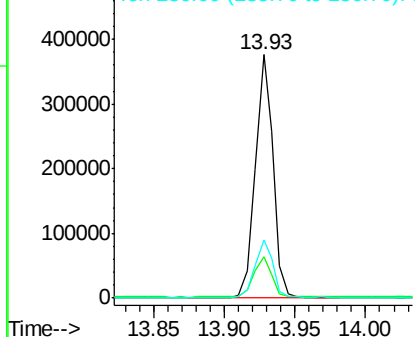


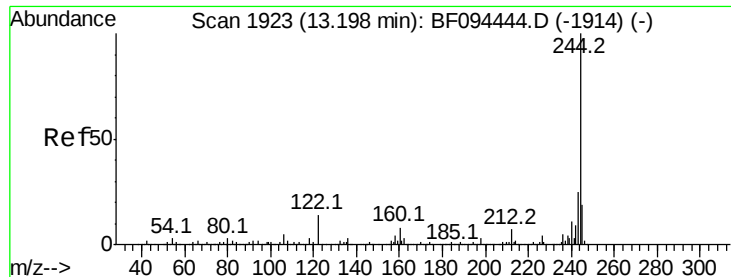
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF096264.D
Acq: 28 Jun 2017 22:04

Tgt Ion:240 Resp: 331129
Ion Ratio Lower Upper
240 100
120 17.1 5.8 8.8#
236 23.8 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: 70.07 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

Instrument :

BNA_F

ClientSampleId :

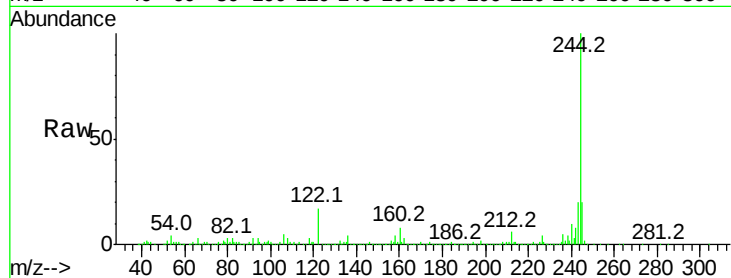
Tot Ion:244 Resp: 929783

Ion Ratio Lower Upper

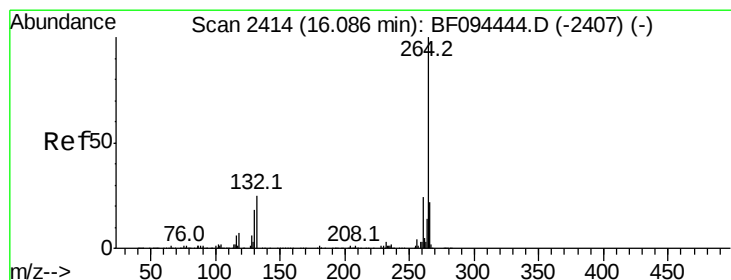
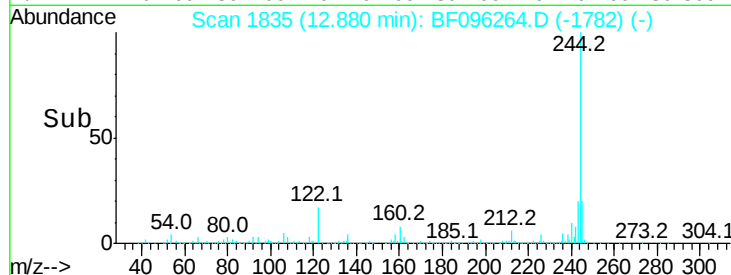
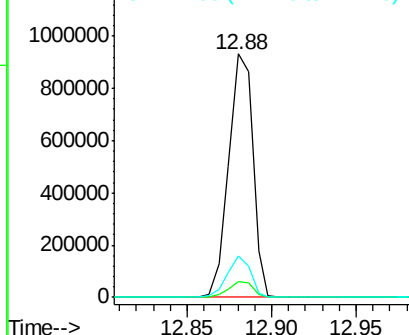
244 100

212 6.3 6.0 9.0

122 16.8 10.3 15.5#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.02 min

Lab File: BF096264.D

Acq: 28 Jun 2017 22:04

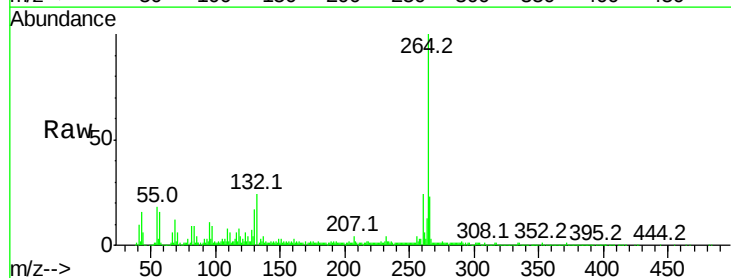
Tgt Ion:264 Resp: 242617

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.5 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

