

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092180.D
 Acq On : 10 Jan 2017 14:27
 Operator : UM/SJ
 Sample : I1045-05RE 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3RE

Quant Time: Jan 10 15:42:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

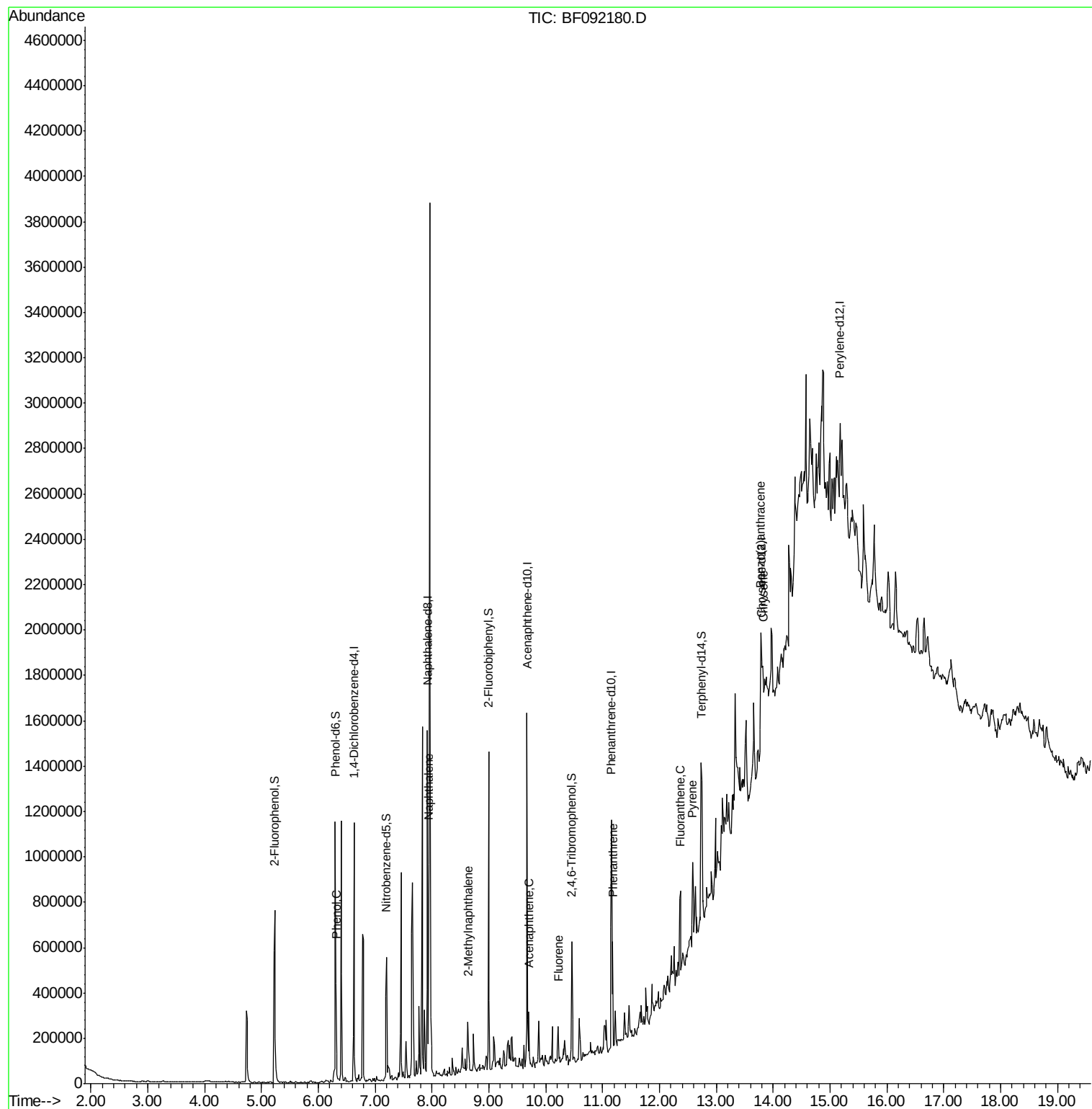
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	163807	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	668503	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	302901	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	445882	20.00	ng	0.00
75) Chrysene-d12	13.80	240	243921	20.00	ng	0.01
86) Perylene-d12	15.18	264	196159	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	337056	34.36	ng	0.00
7) Phenol-d6	6.30	99	433964	36.23	ng	-0.01
23) Nitrobenzene-d5	7.20	82	240374	19.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	59707	23.82	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	426567	18.81	ng	-0.01
78) Terphenyl-d14	12.73	244	327033	32.52	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.31	94	29449	2.16	ng	95
31) Naphthalene	7.94	128	71091	2.32	ng	96
37) 2-Methylnaphthalene	8.63	142	70529	2.51	ng	99
51) Acenaphthene	9.70	154	52287	3.05	ng	99
57) Fluorene	10.22	166	45825	2.72	ng	97
70) Phenanthrene	11.18	178	206182	8.53	ng	97
74) Fluoranthene	12.37	202	217438	7.02	ng	93
77) Pyrene	12.59	202	181306	10.13	ng	96
80) Benzo(a)anthracene	13.79	228	67851	4.93	ng	# 82
82) Chrysene	13.82	228	80872	5.86	ng	# 90

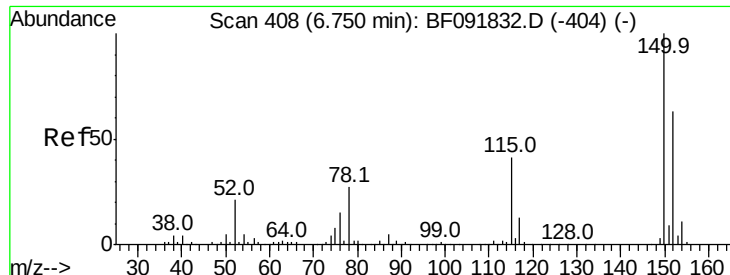
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
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QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

Instrument :

BNA_F

ClientSampleId :

RAP-SP3RE

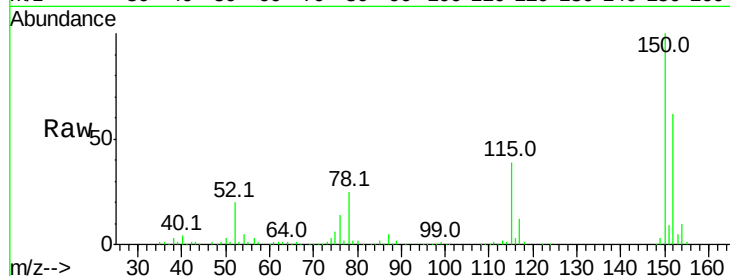
Tot Ion:152 Resp: 163807

Ion Ratio Lower Upper

152 100

150 160.5 124.9 187.3

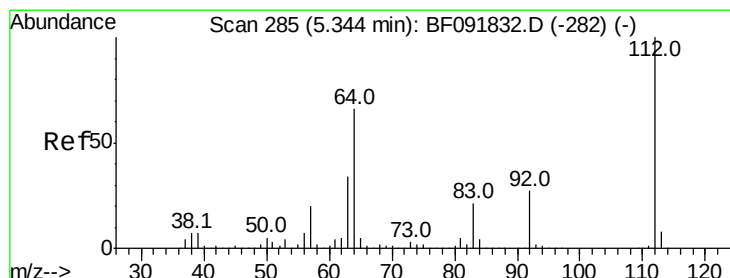
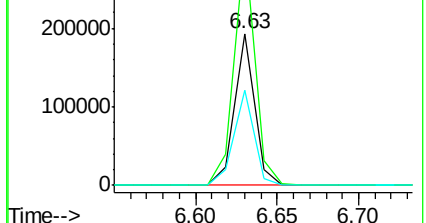
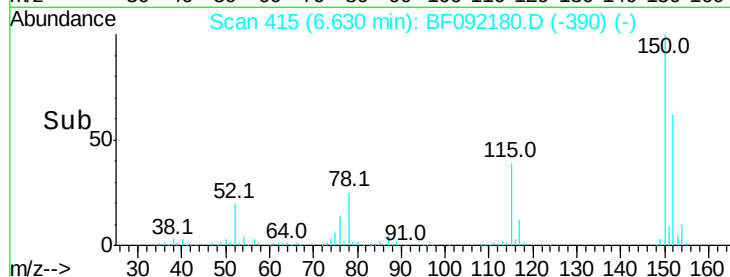
115 62.6 46.0 69.0



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: 34.36 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

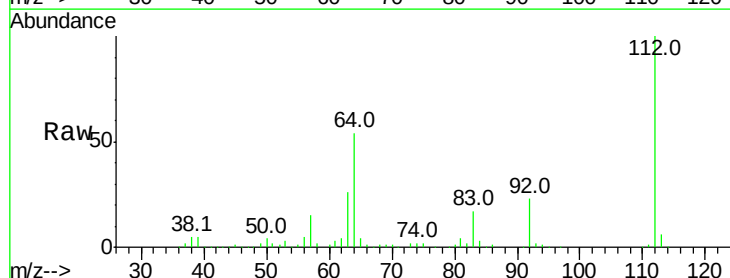
Tgt Ion:112 Resp: 337056

Ion Ratio Lower Upper

112 100

64 53.5 46.1 69.1

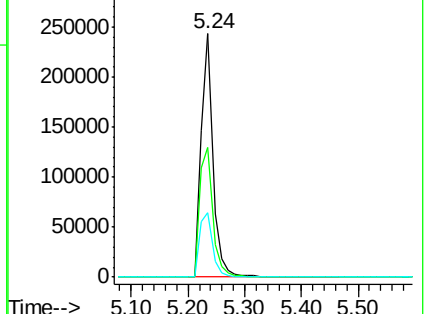
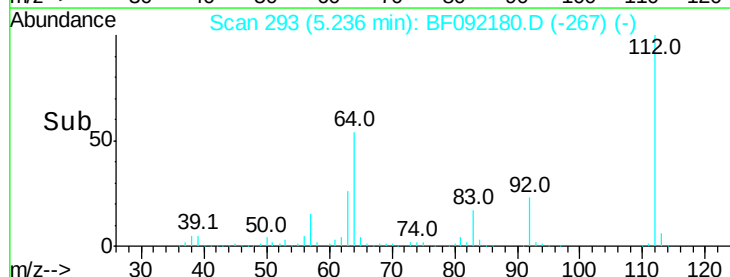
63 26.2 23.8 35.6

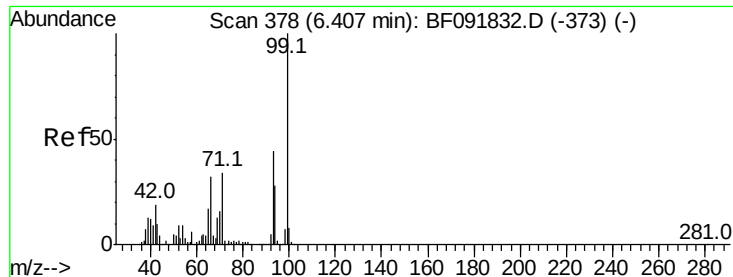


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.23 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

Instrument :

BNA_F

ClientSampled :

RAP-SP3RE

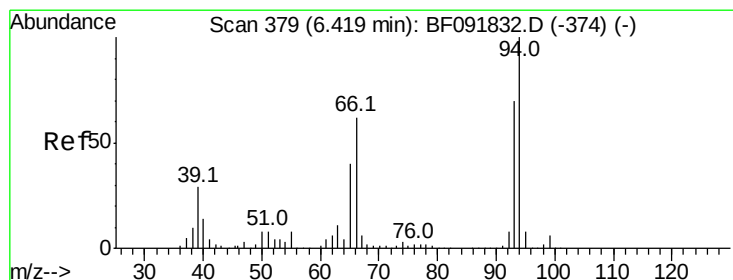
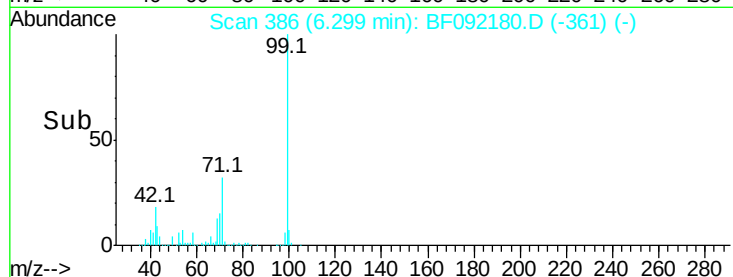
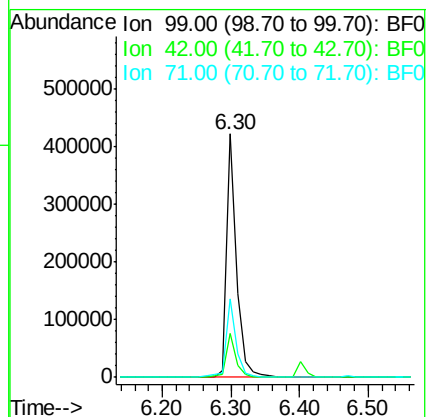
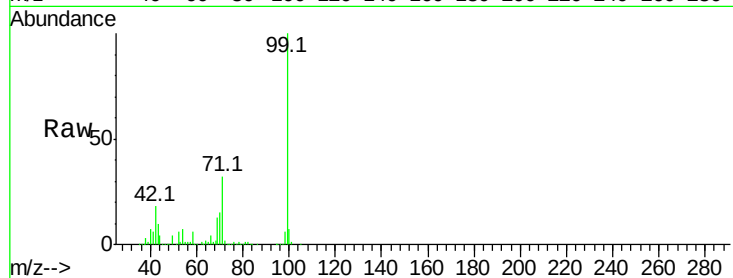
Tot Ion: 99 Resp: 433964

Ion Ratio Lower Upper

99 100

42 18.3 15.6 23.4

71 32.2 27.5 41.3



#10

Phenol

Concen: 2.16 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

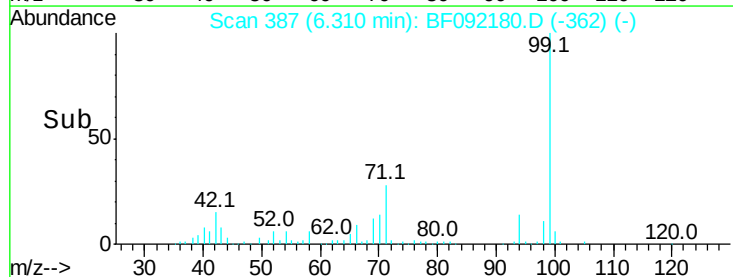
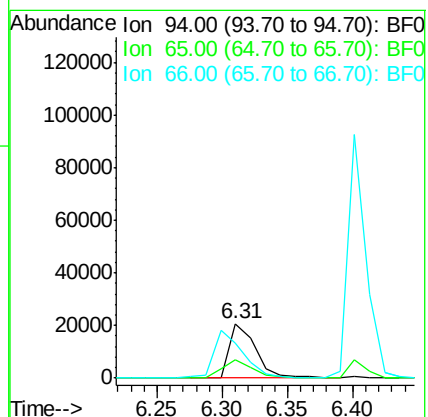
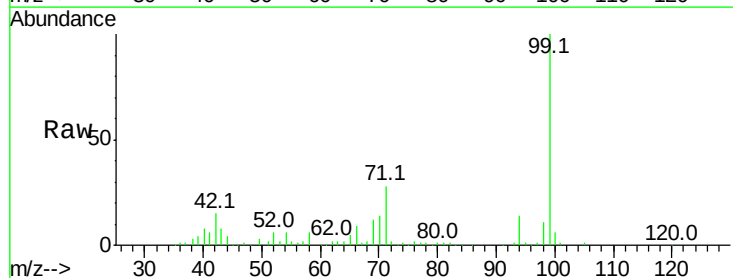
Tgt Ion: 94 Resp: 29449

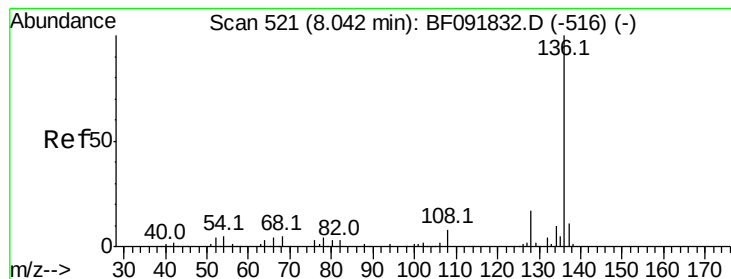
Ion Ratio Lower Upper

94 100

65 34.2 21.4 61.4

66 65.0 44.0 84.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

Instrument :

BNA_F

ClientSampleId :

RAP-SP3RE

Tot Ion:136 Resp: 668503

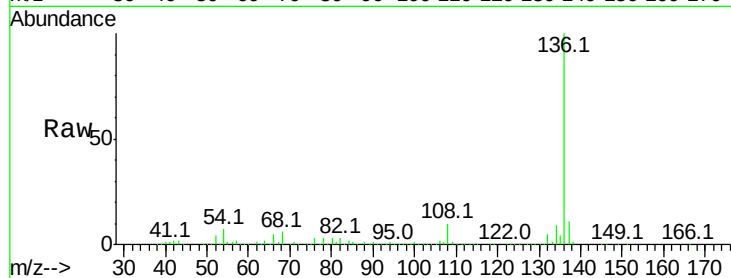
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 7.0 4.5 6.7#

68 5.7 3.6 5.4#

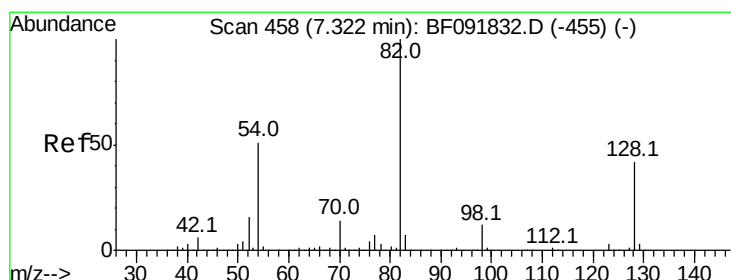
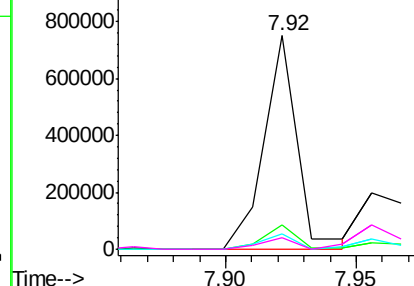
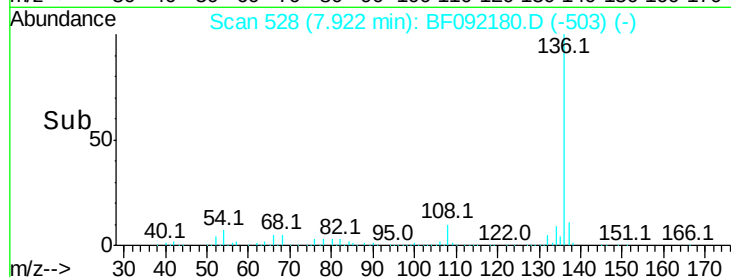


Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.99 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

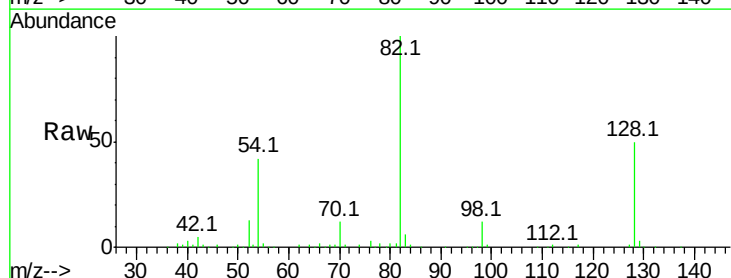
Tgt Ion: 82 Resp: 240374

Ion Ratio Lower Upper

82 100

128 49.8 34.6 52.0

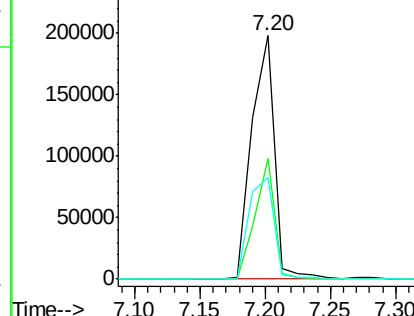
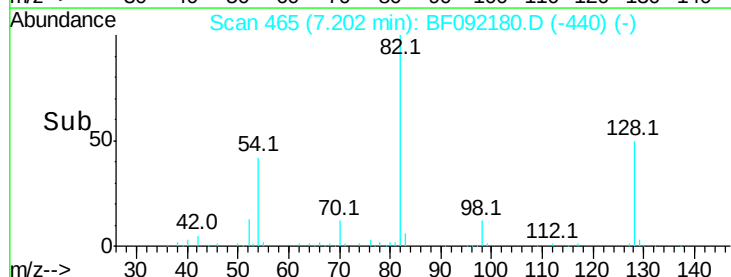
54 41.6 39.5 59.3

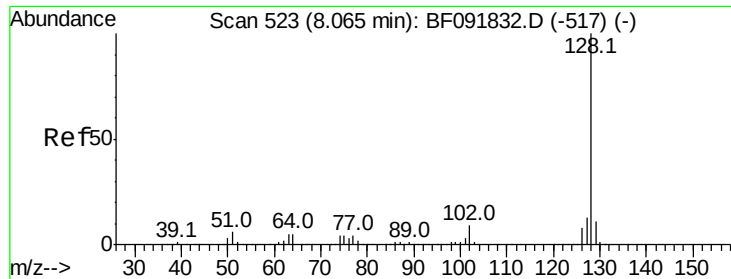


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

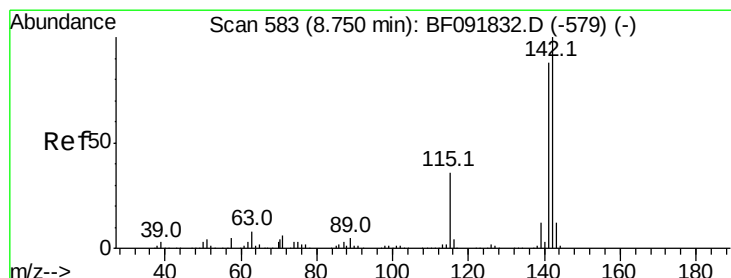
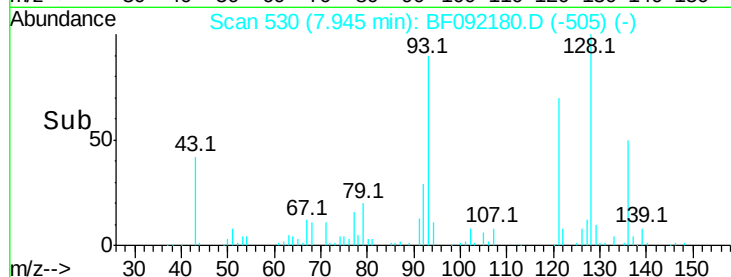
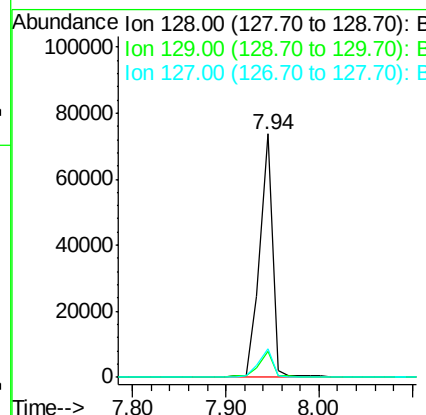
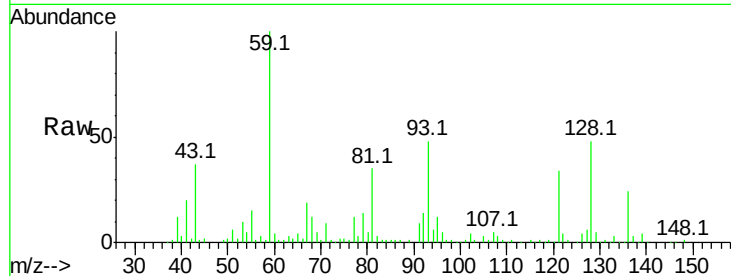




#31
Naphthalene
Concen: 2.32 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF092180.D
Acq: 10 Jan 2017 14:27

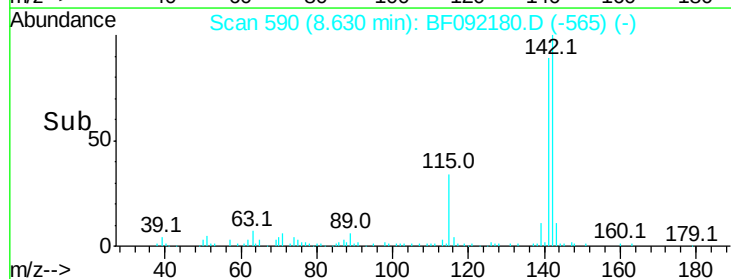
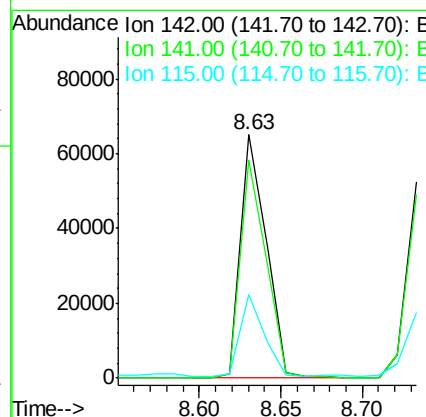
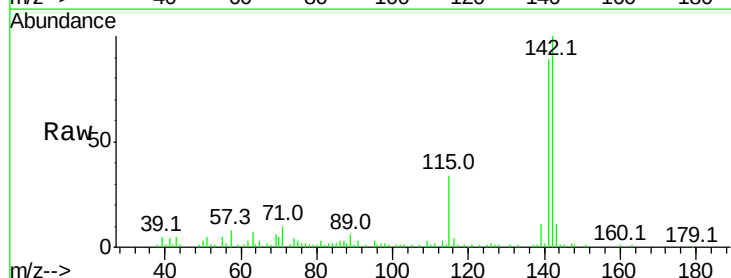
Instrument :
BNA_F
ClientSampleId :
RAP-SP3RE

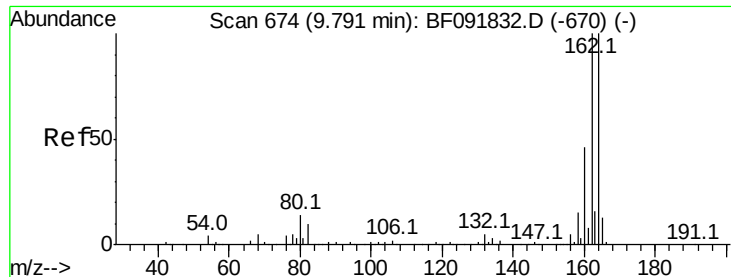
Tot Ion:128 Resp: 71091
Ion Ratio Lower Upper
128 100
129 10.8 9.5 14.3
127 11.9 10.8 16.2



#37
2-Methylnaphthalene
Concen: 2.51 ng
RT: 8.63 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF092180.D
Acq: 10 Jan 2017 14:27

Tgt Ion:142 Resp: 70529
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.6
115 34.1 28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

Instrument :

BNA_F

ClientSampleId :

RAP-SP3RE

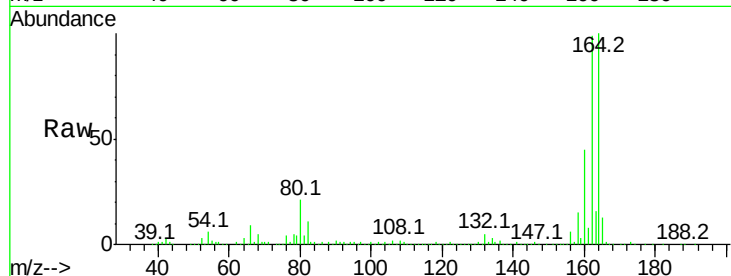
Tot Ion:164 Resp: 302901

Ion Ratio Lower Upper

164 100

162 99.5 80.2 120.2

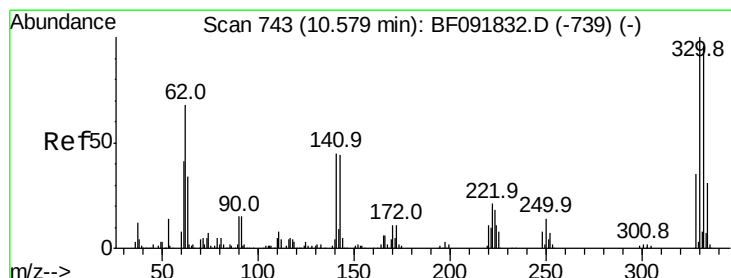
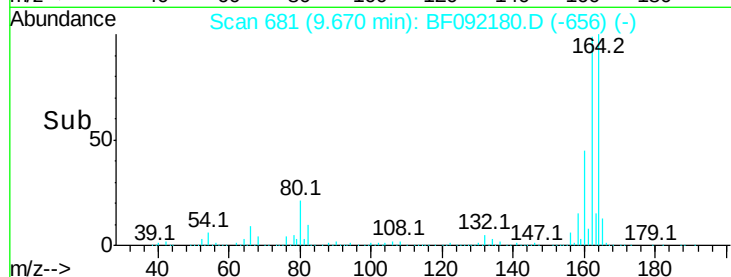
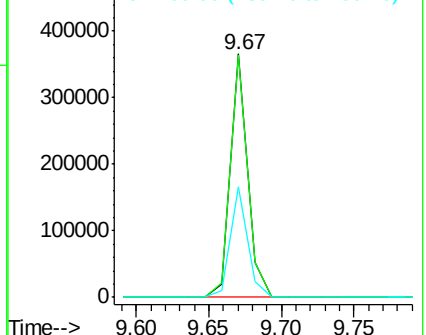
160 45.1 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 23.82 ng

RT: 10.46 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

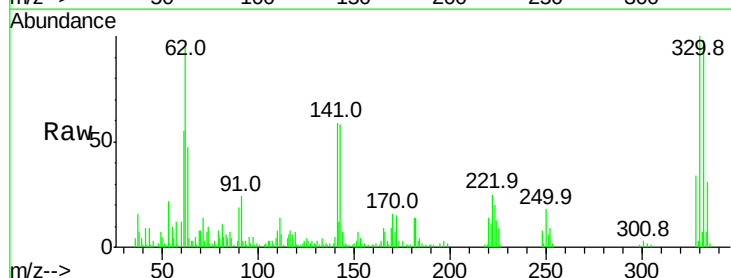
Tgt Ion:330 Resp: 59707

Ion Ratio Lower Upper

330 100

332 98.9 77.4 116.2

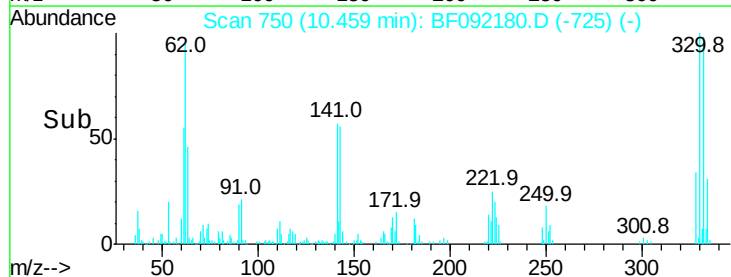
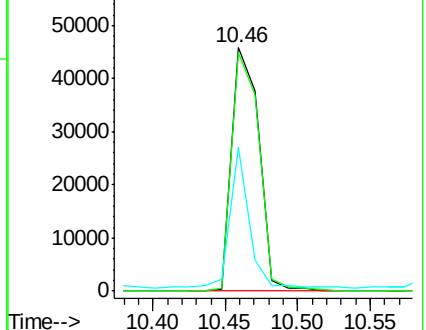
141 40.7 34.1 51.1

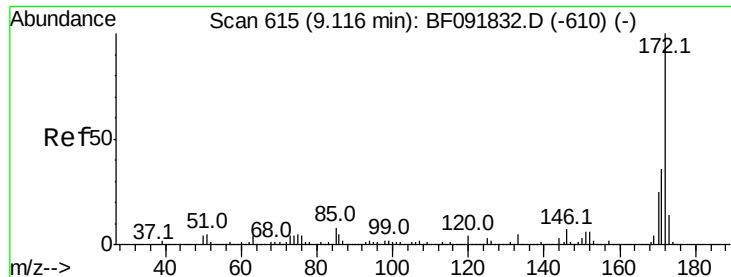


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

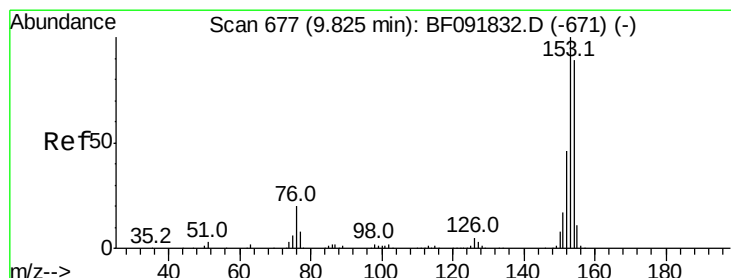
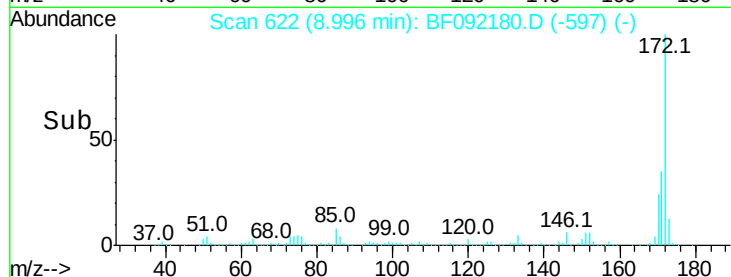
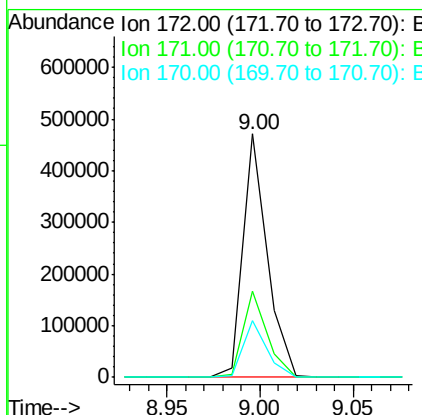
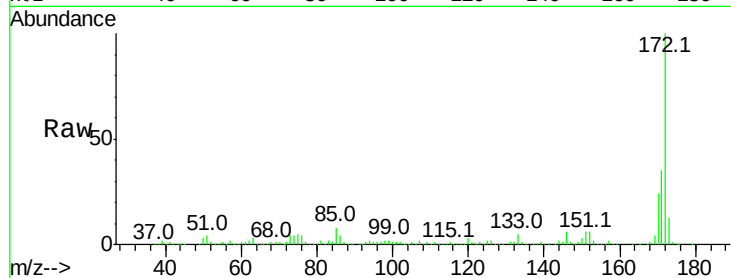




#44
2-Fluorobiphenyl
Concen: 18.81 ng
RT: 9.00 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF092180.D
Acq: 10 Jan 2017 14:27

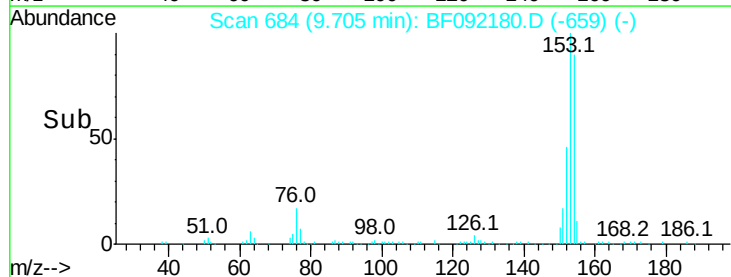
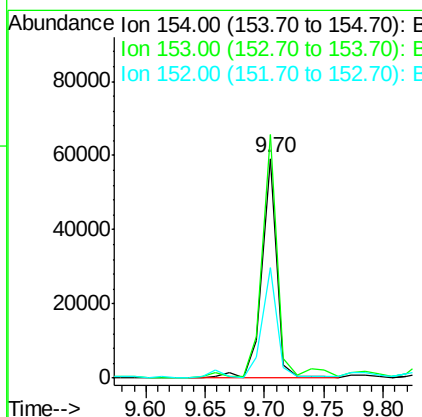
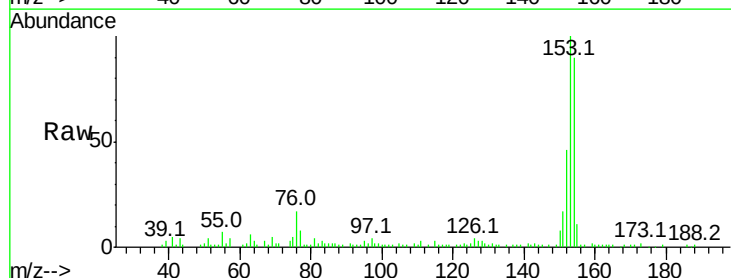
Instrument :
BNA_F
ClientSampleId :
RAP-SP3RE

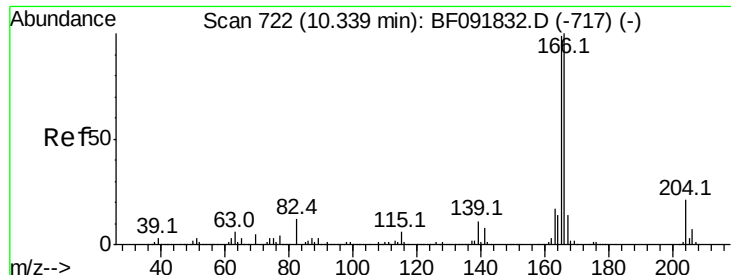
Tot Ion:172 Resp: 426567
Ion Ratio Lower Upper
172 100
171 35.2 29.4 44.0
170 23.6 20.2 30.4



#51
Acenaphthene
Concen: 3.05 ng
RT: 9.70 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF092180.D
Acq: 10 Jan 2017 14:27

Tgt Ion:154 Resp: 52287
Ion Ratio Lower Upper
154 100
153 110.9 88.6 133.0
152 50.6 41.6 62.4

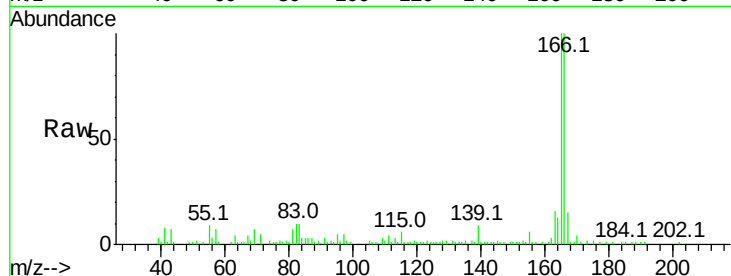




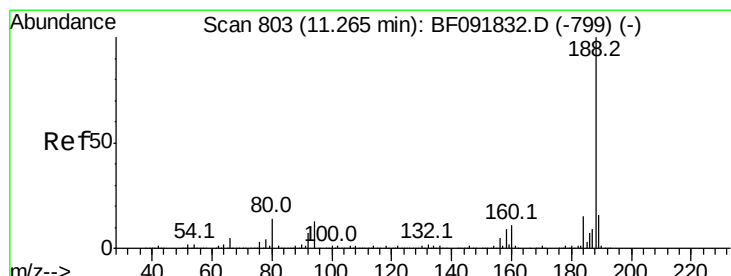
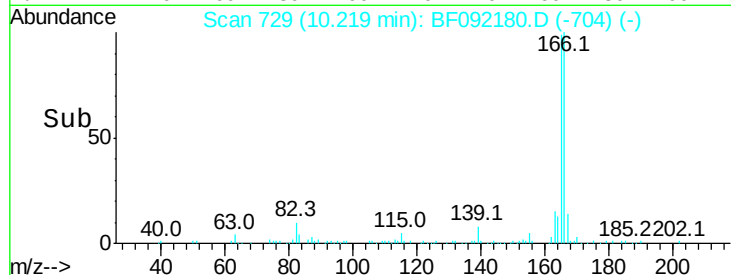
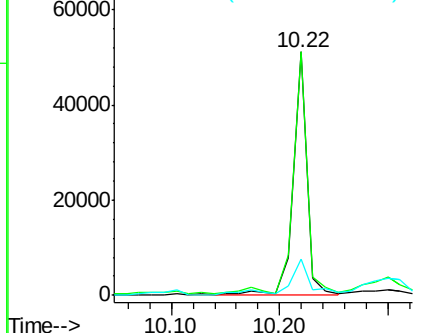
#57
Fluorene
 Concen: 2.72 ng
 RT: 10.22 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: BF092180.D
 Acq: 10 Jan 2017 14:27

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3RE

Tot Ion:166 Resp: 45825
 Ion Ratio Lower Upper
 166 100
 165 99.8 77.8 116.8
 167 14.8 10.8 16.2

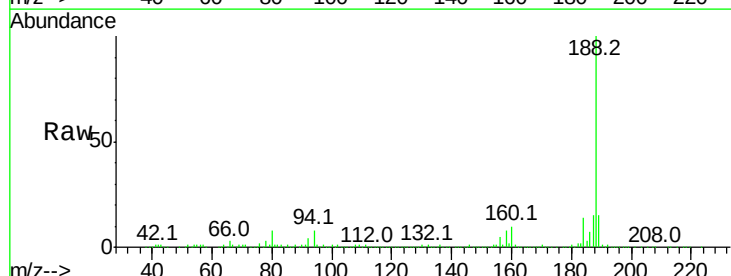


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

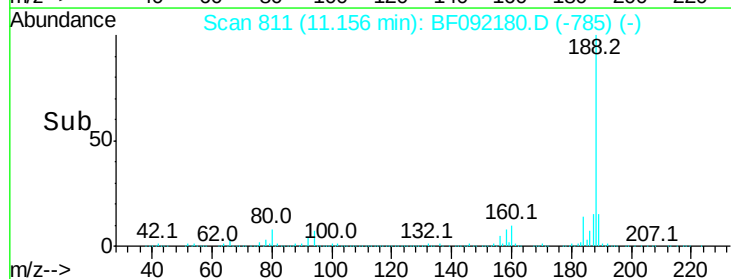
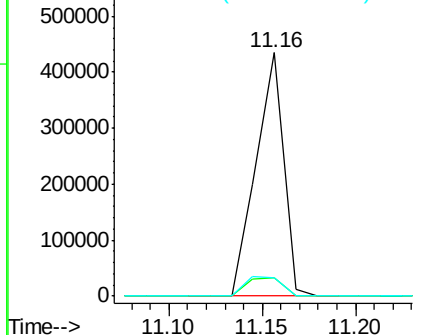


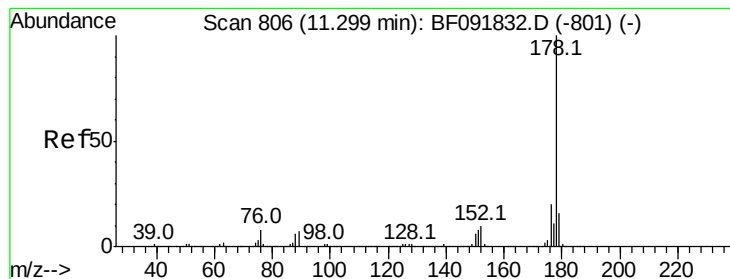
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF092180.D
 Acq: 10 Jan 2017 14:27

Tgt Ion:188 Resp: 445882
 Ion Ratio Lower Upper
 188 100
 94 7.5 10.0 15.0#
 80 7.8 11.2 16.8#



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





#70

Phenanthrene

Concen: 8.53 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

Instrument :

BNA_F

ClientSampleId :

RAP-SP3RE

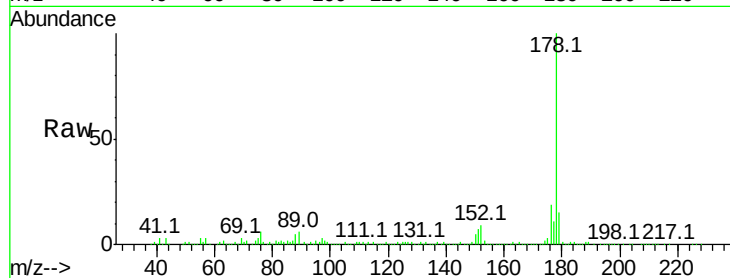
Tot Ion:178 Resp: 206182

Ion Ratio Lower Upper

178 100

176 18.6 16.6 25.0

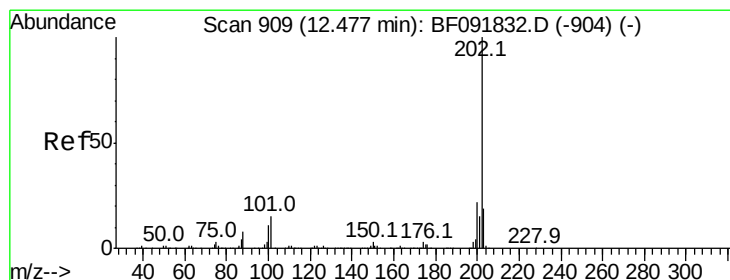
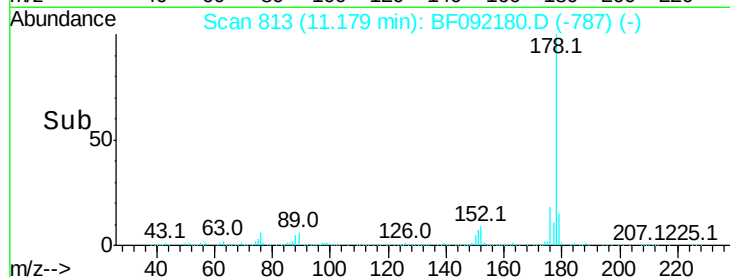
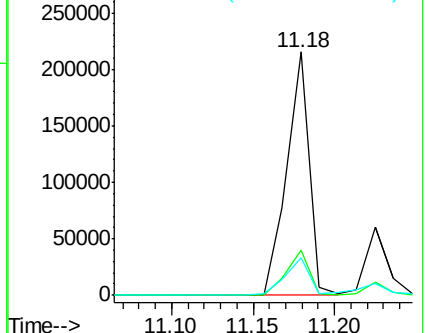
179 15.3 12.8 19.2



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



#74

Fluoranthene

Concen: 7.02 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

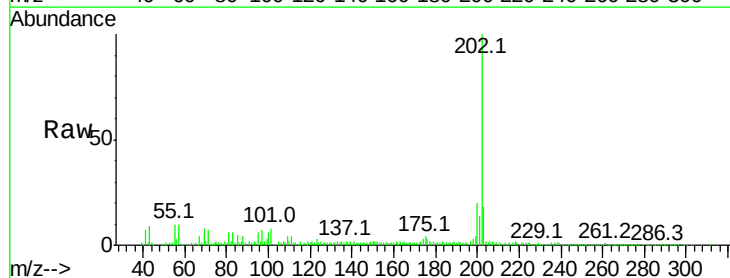
Tgt Ion:202 Resp: 217438

Ion Ratio Lower Upper

202 100

101 8.1 0.0 34.6

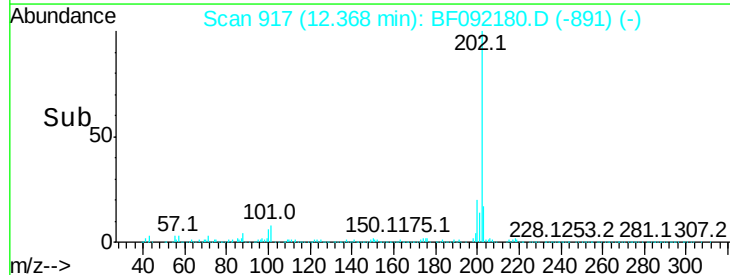
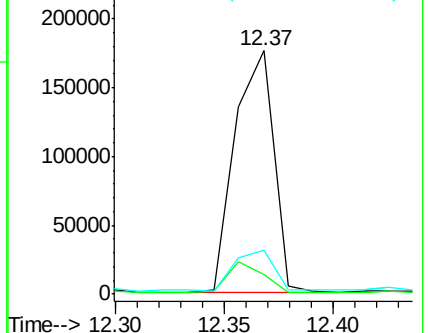
203 18.3 0.0 38.7

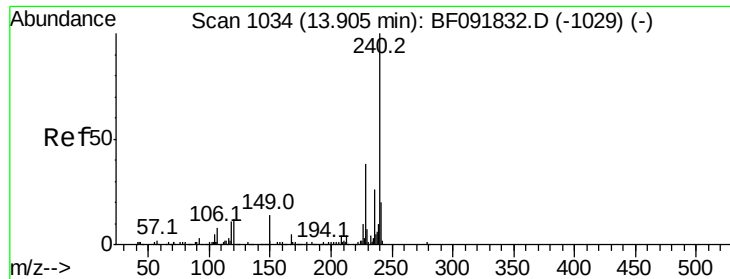


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

Instrument :

BNA_F

ClientSampleId :

RAP-SP3RE

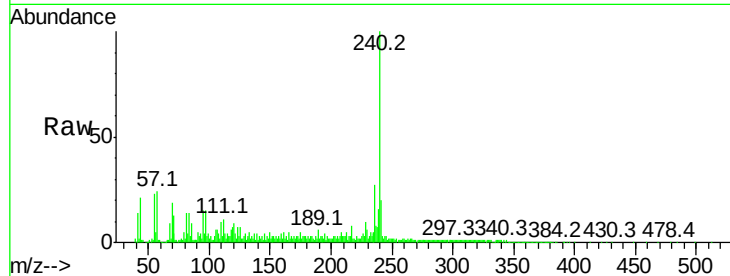
Tot Ion:240 Resp: 243921

Ion Ratio Lower Upper

240 100

120 9.3 12.9 19.3#

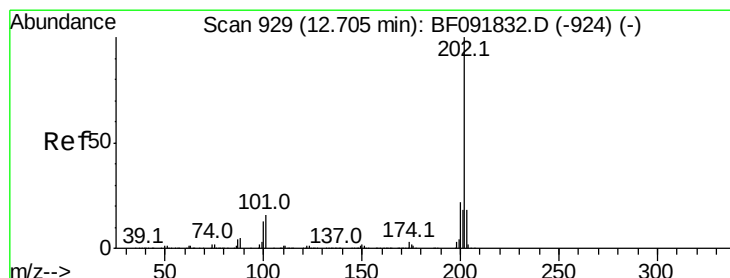
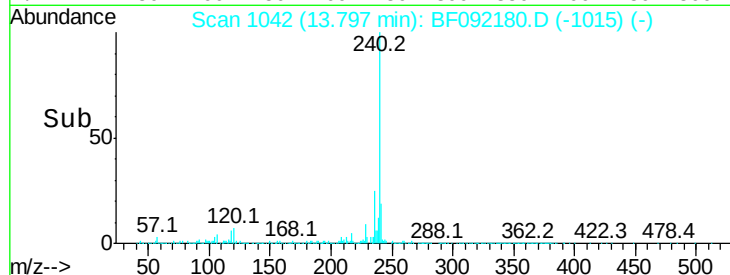
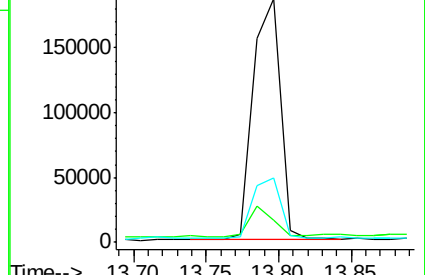
236 26.5 20.9 31.3



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: 10.13 ng

RT: 12.59 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

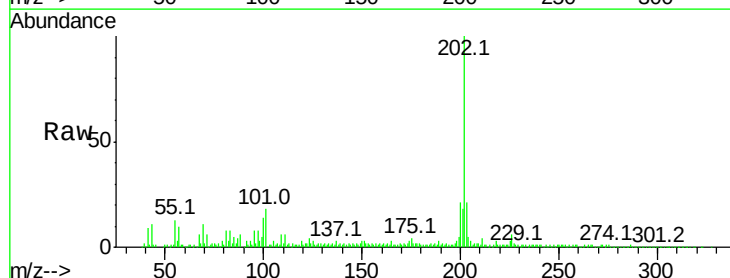
Tgt Ion:202 Resp: 181306

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

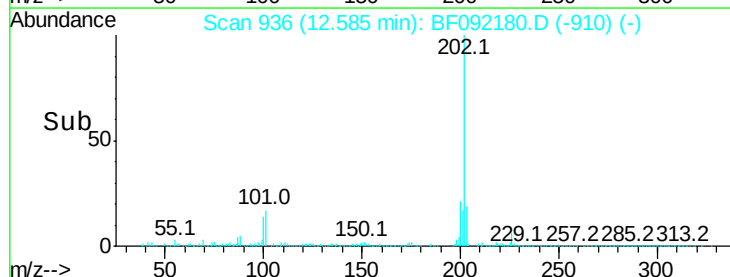
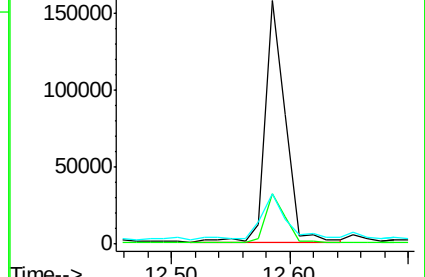
203 20.7 14.7 22.1

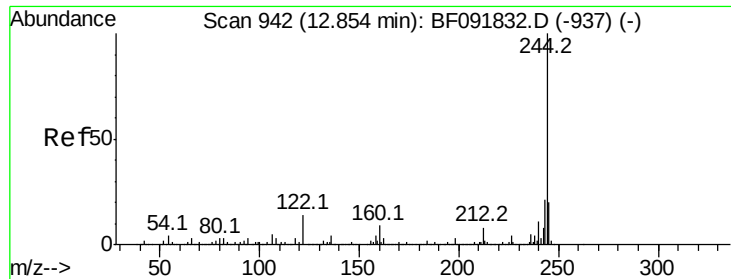


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.52 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

Instrument :

BNA_F

ClientSampleId :

RAP-SP3RE

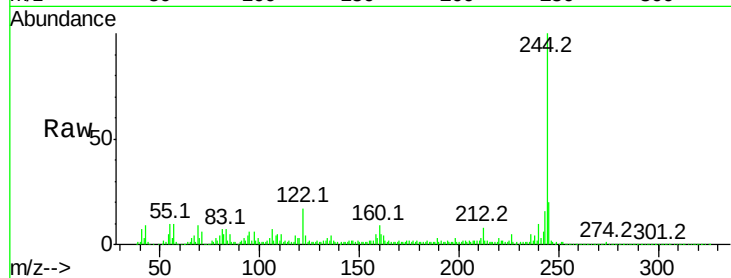
Tot Ion:244 Resp: 327033

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

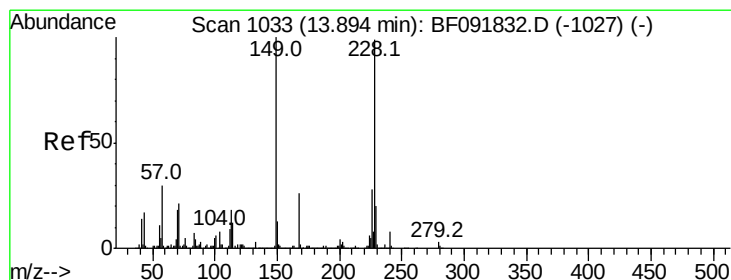
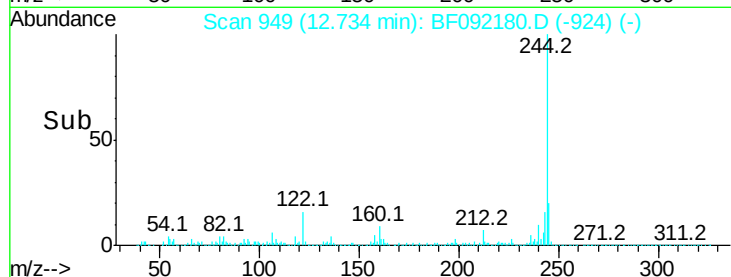
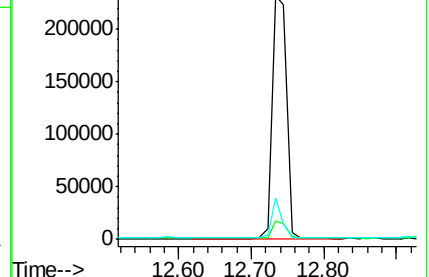
122 16.9 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.93 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

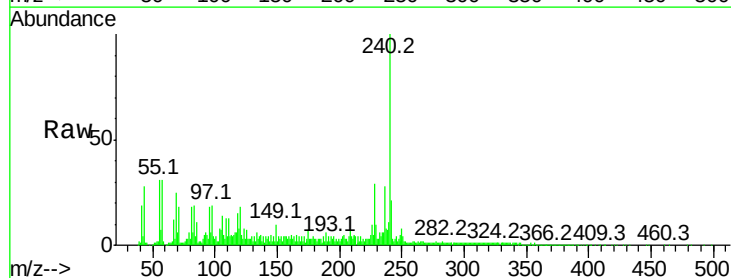
Tgt Ion:228 Resp: 67851

Ion Ratio Lower Upper

228 100

226 33.1 22.4 33.6

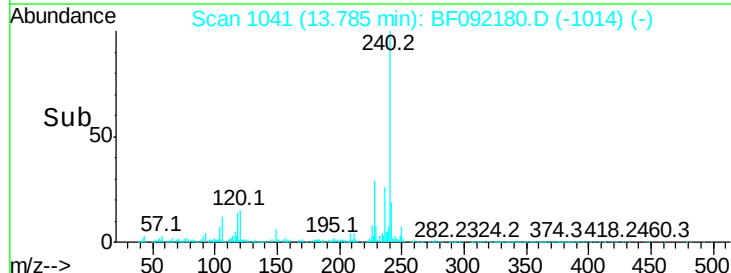
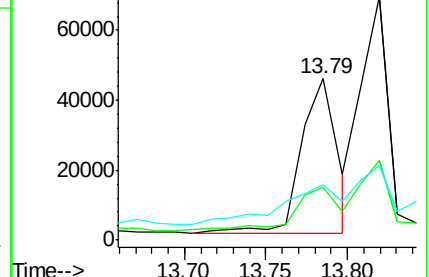
229 34.0 16.2 24.4#

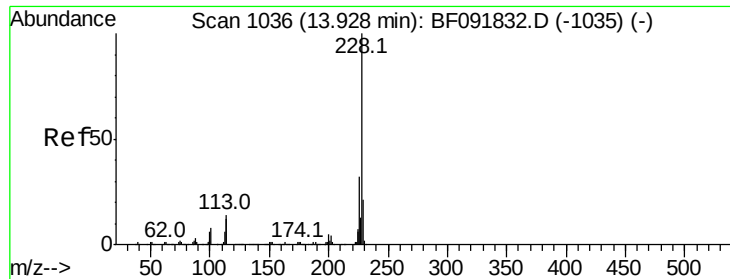


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.86 ng

RT: 13.82 min Scan# 1044

Delta R.T. 0.01 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

Instrument :

BNA_F

ClientSampleId :

RAP-SP3RE

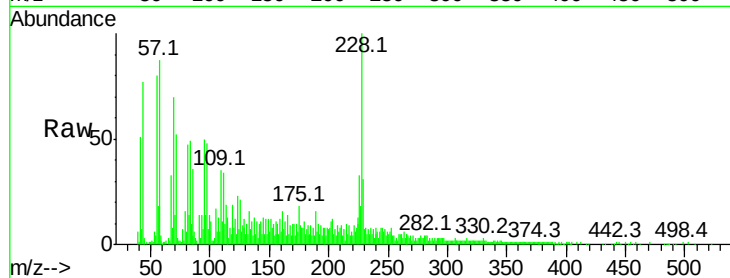
Tot Ion:228 Resp: 80872

Ion Ratio Lower Upper

228 100

226 32.5 25.4 38.0

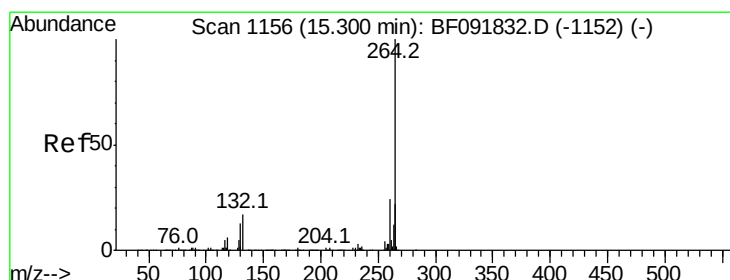
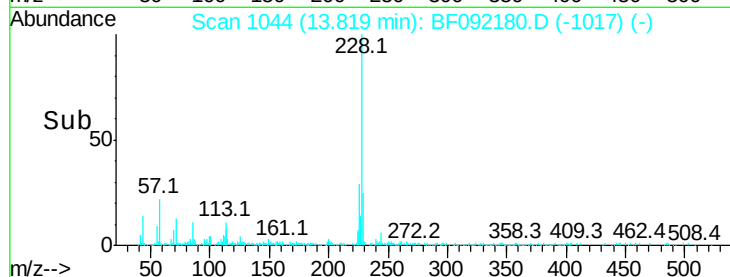
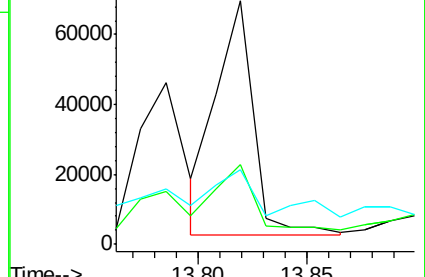
229 30.8 16.2 24.2#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1163

Delta R.T. 0.03 min

Lab File: BF092180.D

Acq: 10 Jan 2017 14:27

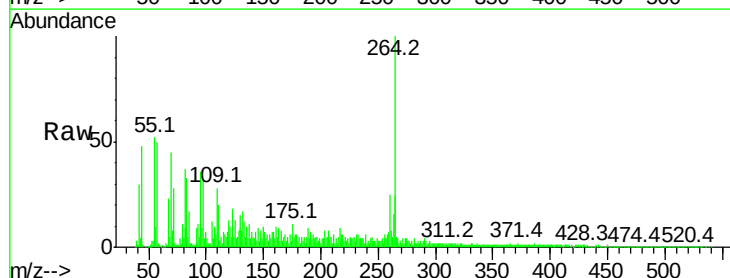
Tgt Ion:264 Resp: 196159

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 24.4 17.4 26.0



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

