

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
 Data File : BF091747.D
 Acq On : 18 Dec 2016 20:14
 Operator : UM/SJ
 Sample : H6089-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-2

Quant Time: Dec 19 03:30:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

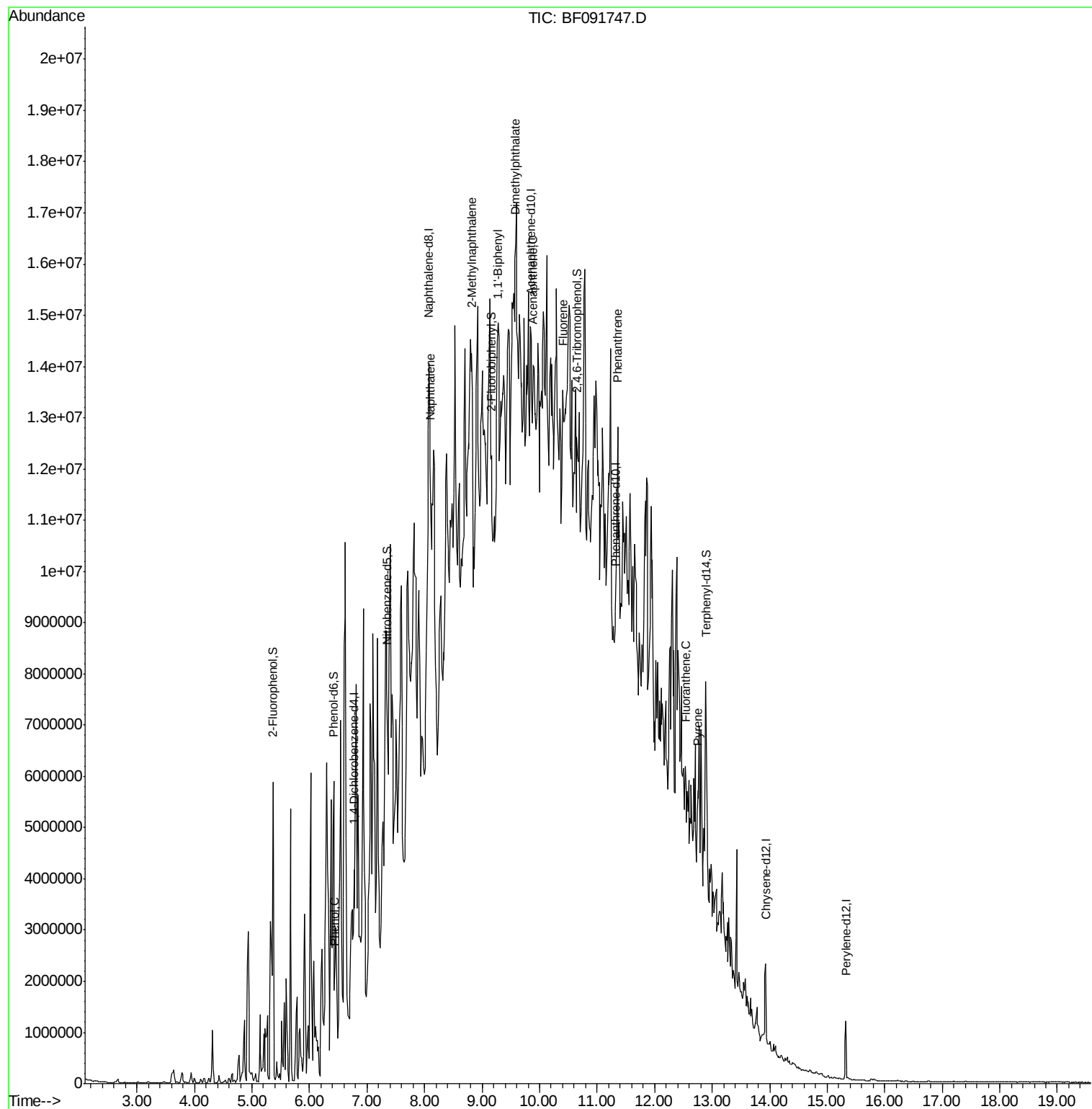
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	247349	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	583739	20.00	ng	0.01
38) Acenaphthene-d10	9.85	164	287384	20.00	ng	0.03
63) Phenanthrene-d10	11.32	188	575331	20.00	ng	0.03
75) Chrysene-d12	13.93	240	741905	20.00	ng	0.00
86) Perylene-d12	15.32	264	559824	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1681729	113.91	ng	0.00
7) Phenol-d6	6.42	99	2538263	140.97	ng	0.00
23) Nitrobenzene-d5	7.34	82	1387294	137.05	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	285631	117.21	ng	0.05
44) 2-Fluorobiphenyl	9.16	172	1423892	99.54	ng	0.02
78) Terphenyl-d14	12.89	244	1693846	57.65	ng	0.01
Target Compounds						
10) Phenol	6.43	94	97005	4.78	ng	# 70
31) Naphthalene	8.10	128	3173132	113.78	ng	# 95
37) 2-Methylnaphthalene	8.82	142	7494668	426.28	ng	97
45) 1,1'-Biphenyl	9.26	154	1105310	53.66	ng	98
49) Dimethylphthalate	9.57	163	91799	4.89	ng	# 69
51) Acenaphthene	9.88	154	577188	35.26	ng	# 78
57) Fluorene	10.41	166	1275222m	84.34	ng	
70) Phenanthrene	11.36	178	3605057	125.40	ng	# 96
74) Fluoranthene	12.53	202	213148	7.10	ng	88
77) Pyrene	12.75	202	1145991	21.39	ng	97

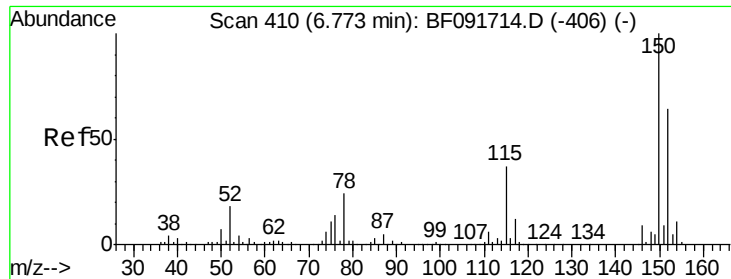
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

Instrument :

BNA_F

ClientSampleId :

T-2

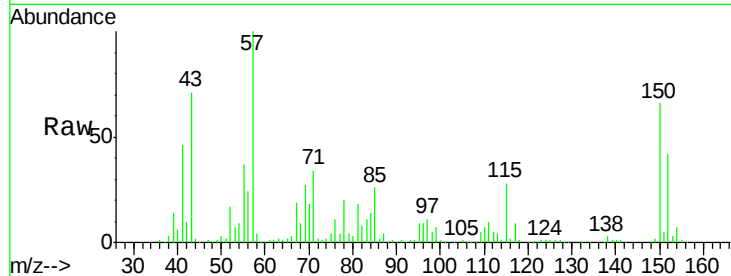
Tot Ion:152 Resp: 247349

Ion Ratio Lower Upper

152 100

150 156.9 124.9 187.3

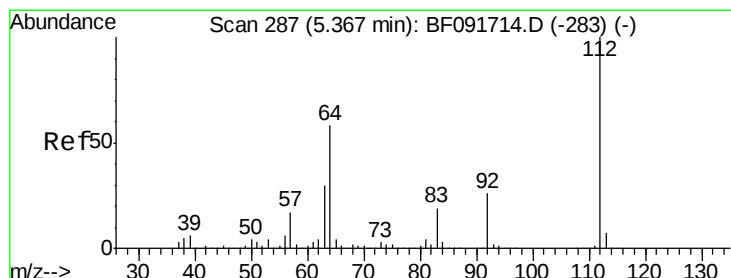
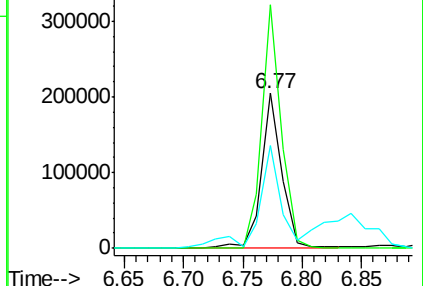
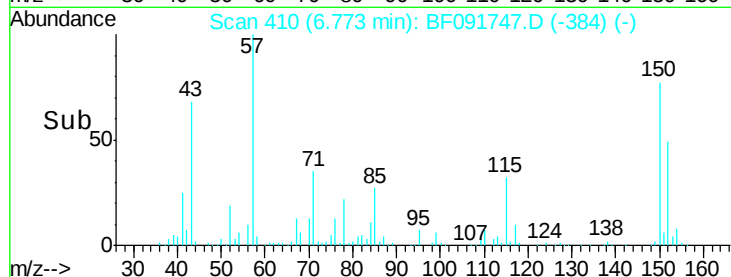
115 66.2 46.0 69.0



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: 113.91 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

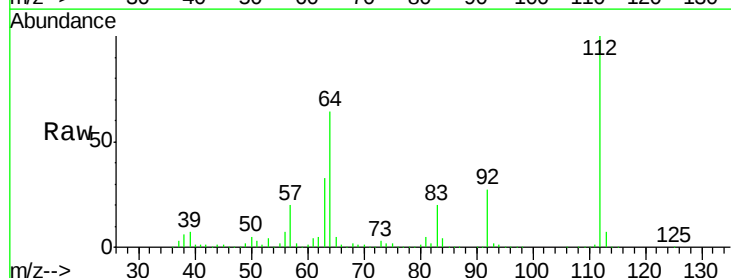
Tgt Ion:112 Resp: 1681729

Ion Ratio Lower Upper

112 100

64 64.2 46.1 69.1

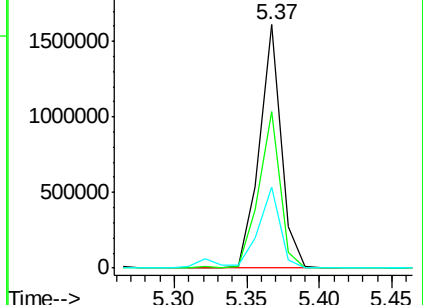
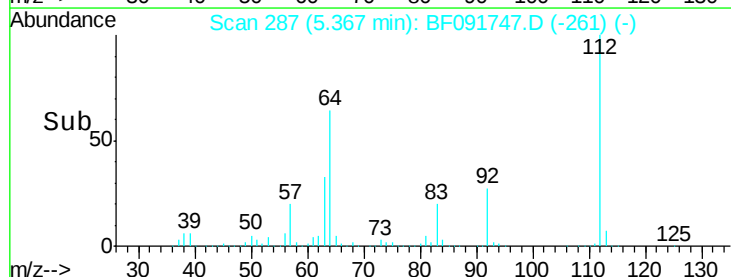
63 33.0 23.8 35.6

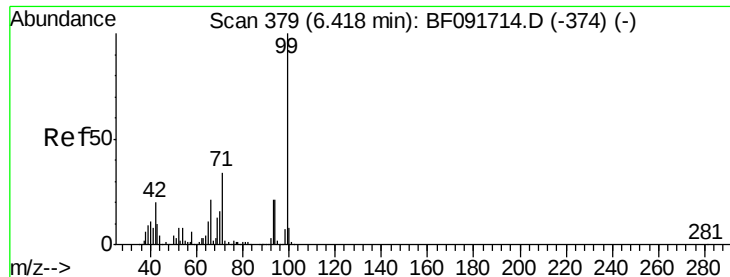


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.97 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

Instrument :

BNA_F

ClientSampleId :

T-2

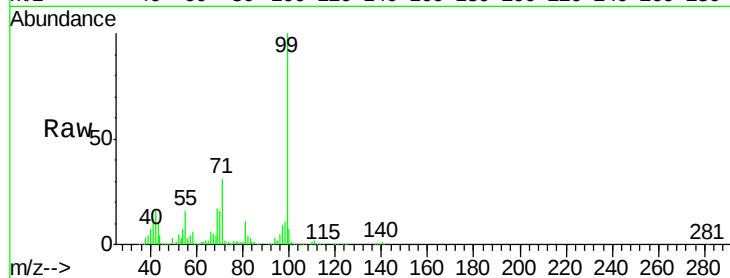
Tot Ion: 99 Resp: 2538263

Ion Ratio Lower Upper

99 100

42 16.1 15.6 23.4

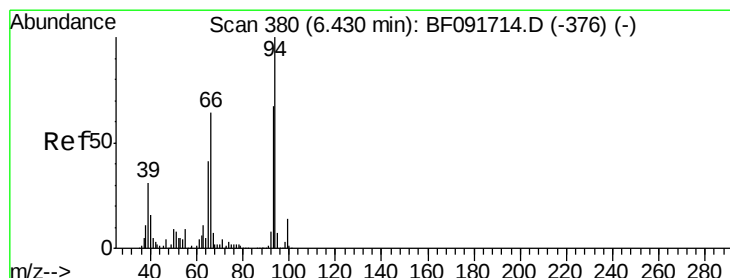
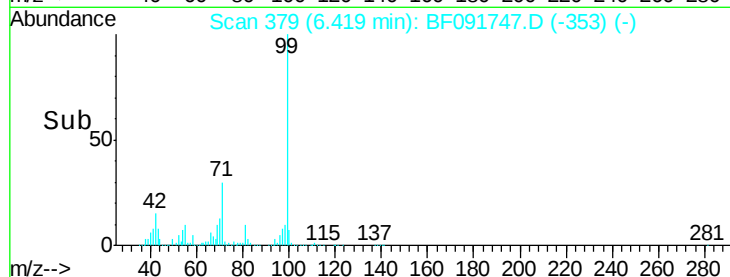
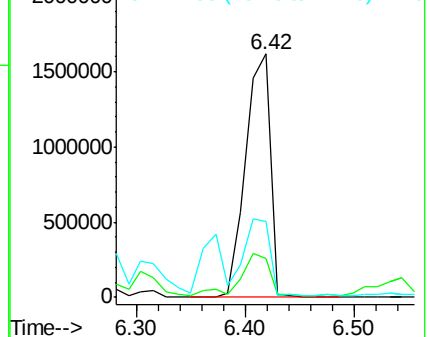
71 31.0 27.5 41.3



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



#10

Phenol

Concen: 4.78 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

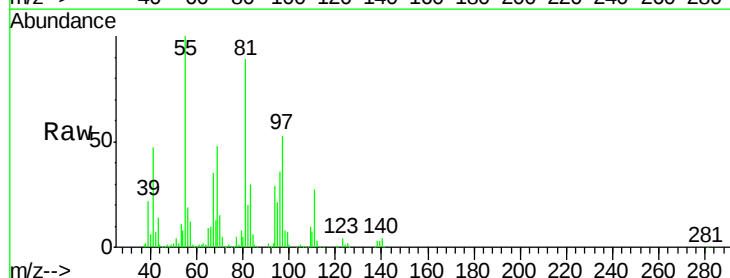
Tgt Ion: 94 Resp: 97005

Ion Ratio Lower Upper

94 100

65 32.0 21.4 61.4

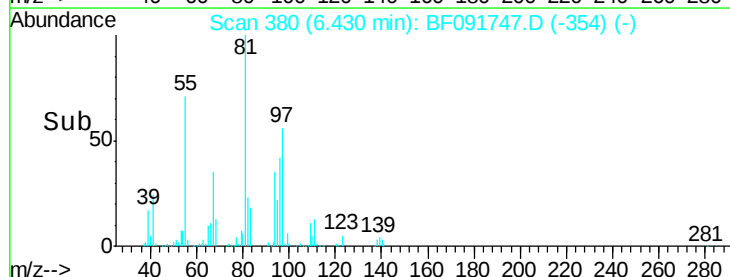
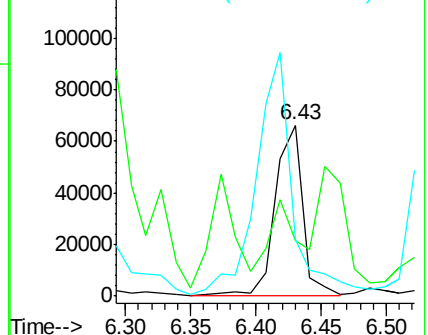
66 33.4 44.0 84.0#

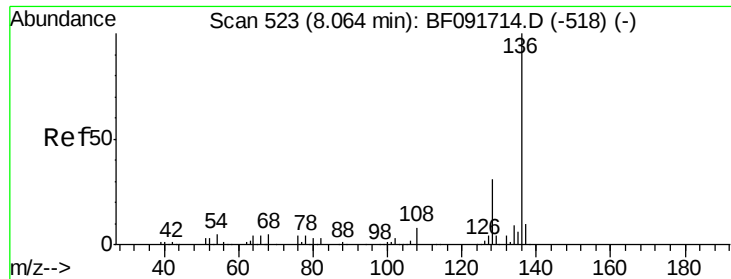


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.01 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

Instrument :

BNA_F

ClientSampleId :

T-2

Tot Ion:136 Resp: 583739

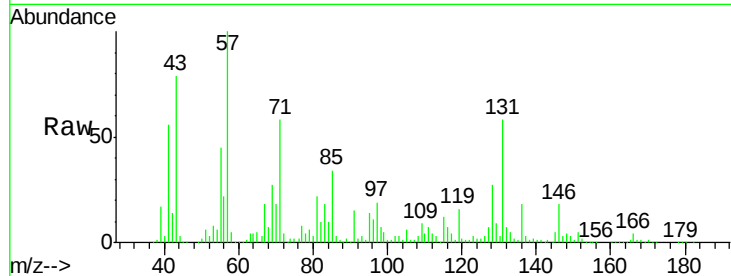
Ion Ratio Lower Upper

136 100

137 17.8 8.4 12.6#

54 34.2 4.5 6.7#

68 35.4 3.6 5.4#

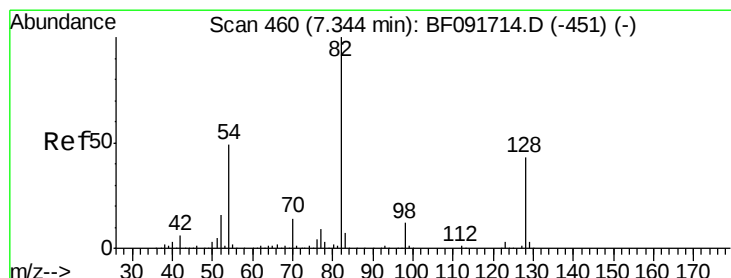
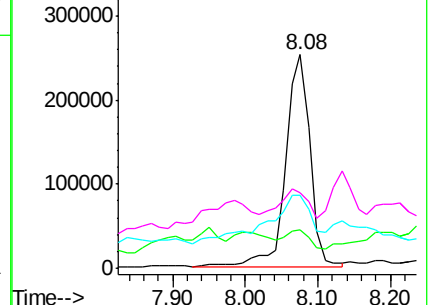
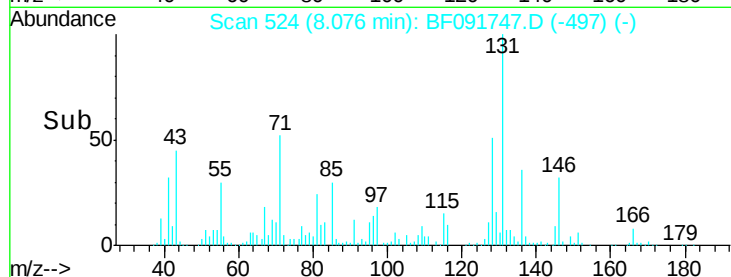


Abundance Ion 136.00 (135.70 to 136.70): E

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: 137.05 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

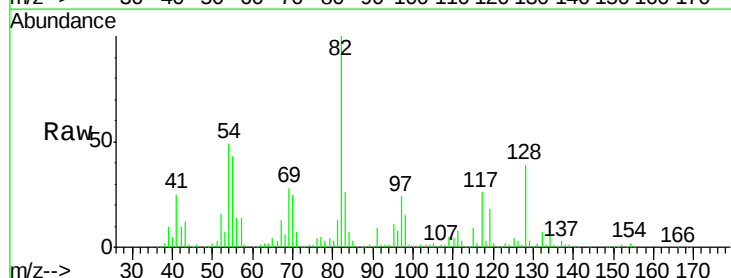
Tgt Ion: 82 Resp: 1387294

Ion Ratio Lower Upper

82 100

128 39.1 34.6 52.0

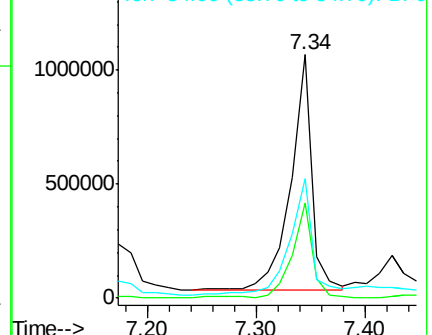
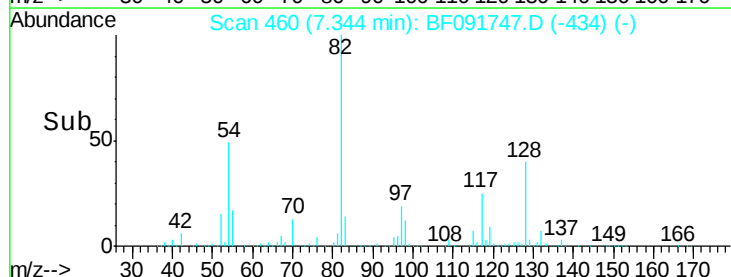
54 48.9 39.5 59.3

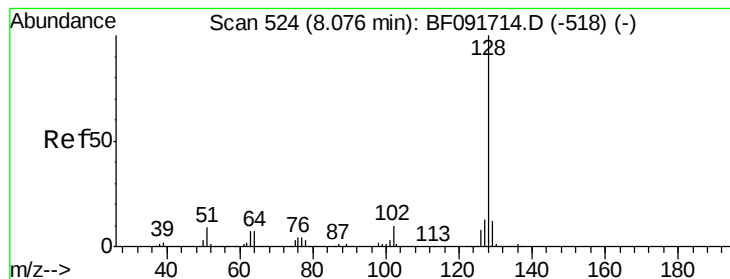


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 113.78 ng

RT: 8.10 min Scan# 526

Delta R.T. 0.02 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

Instrument :

BNA_F

ClientSampleId :

T-2

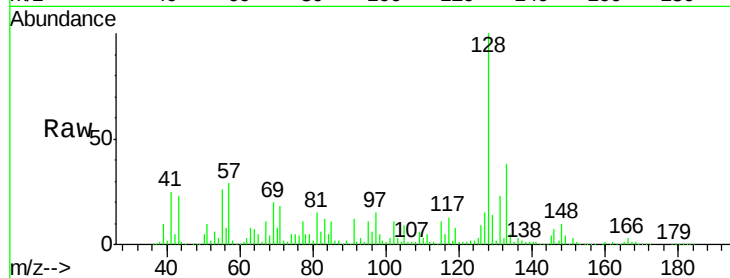
Tot Ion:128 Resp: 3173132

Ion Ratio Lower Upper

128 100

129 14.5 9.5 14.3#

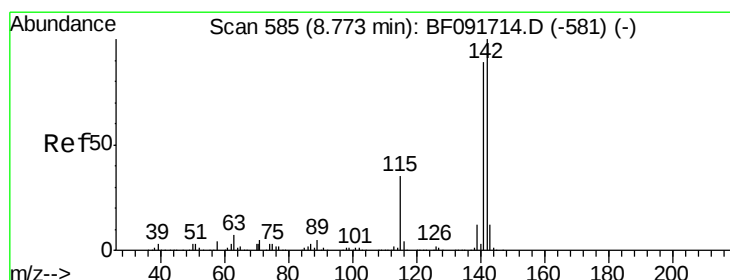
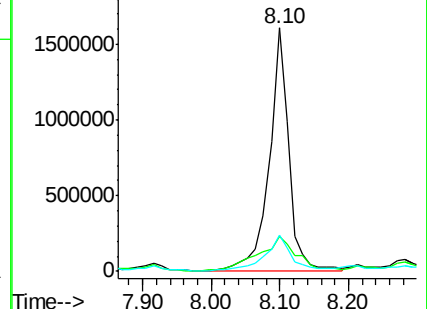
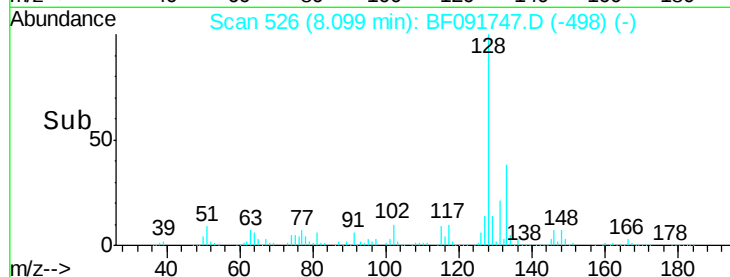
127 15.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 426.28 ng

RT: 8.82 min Scan# 589

Delta R.T. 0.05 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

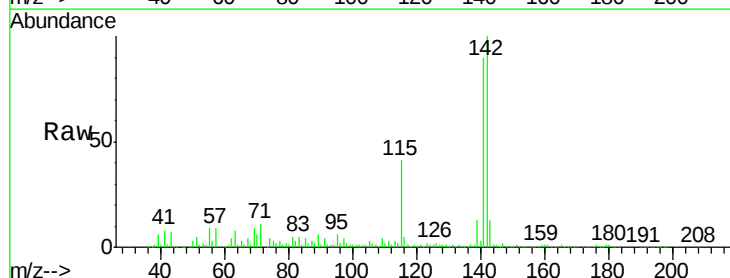
Tgt Ion:142 Resp: 7494668

Ion Ratio Lower Upper

142 100

141 89.7 71.0 106.6

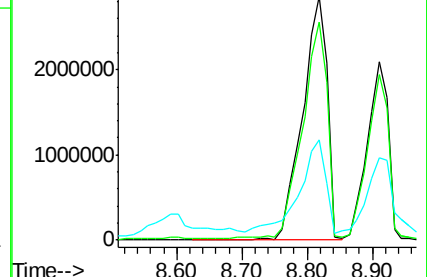
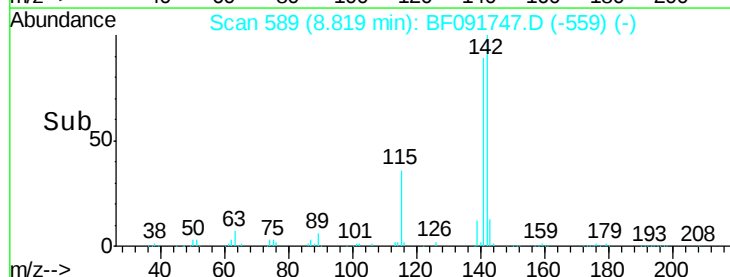
115 41.1 28.3 42.5

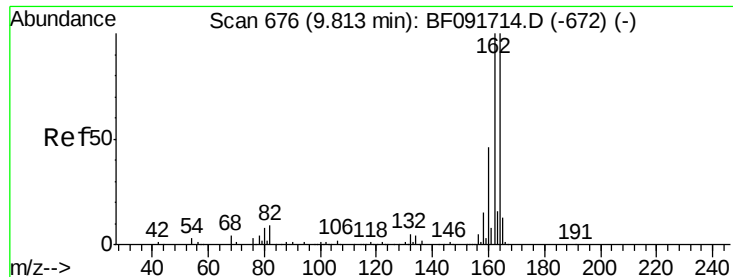


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.85 min Scan# 679

Delta R.T. 0.03 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

Instrument :

BNA_F

ClientSampleId :

T-2

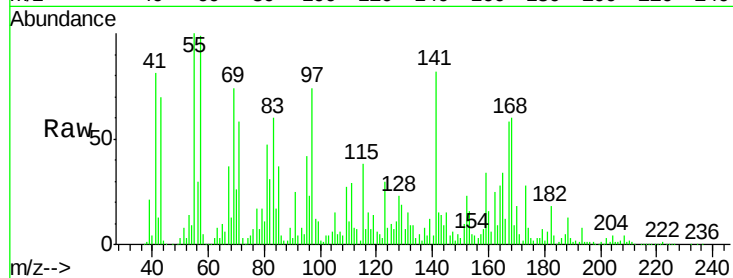
Tot Ion:164 Resp: 287384

Ion Ratio Lower Upper

164 100

162 91.2 80.2 120.2

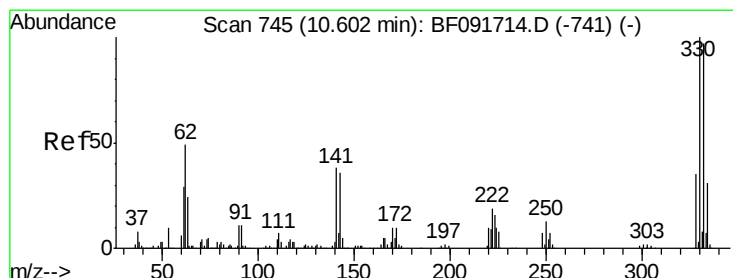
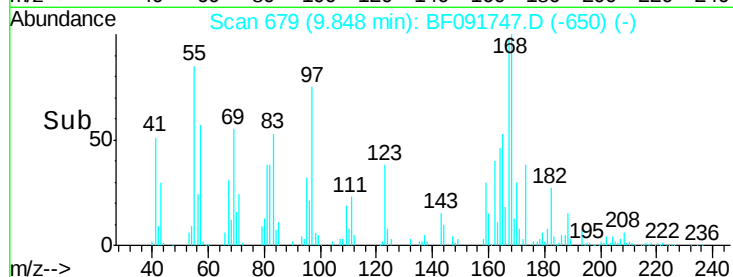
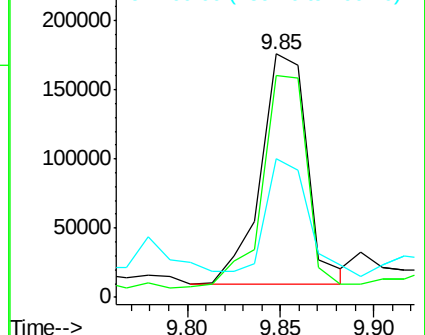
160 56.9 36.9 55.3#



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: 117.21 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.05 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

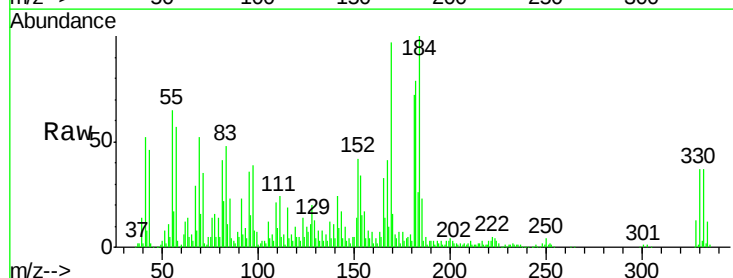
Tgt Ion:330 Resp: 285631

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

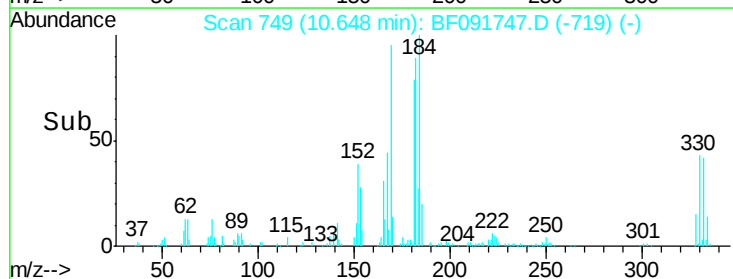
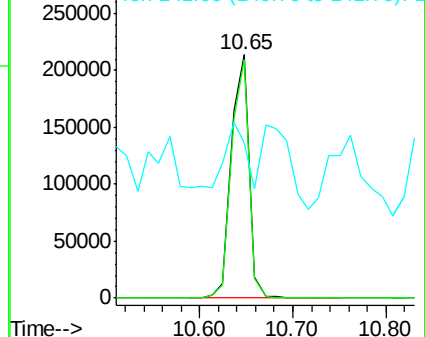
141 29.4 34.1 51.1#

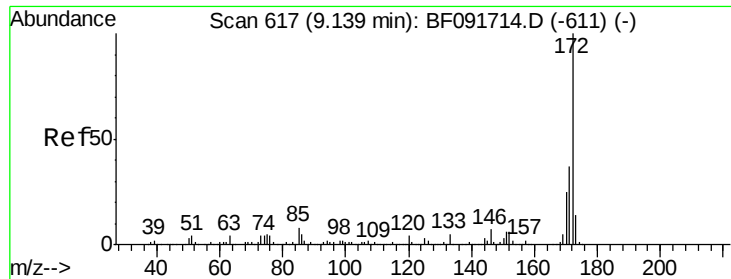


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



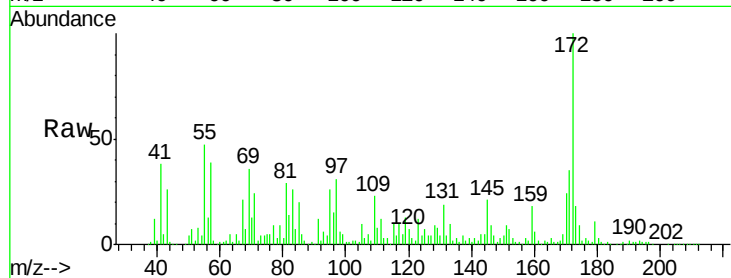


#44
 2-Fluorobiphenyl
 Concen: 99.54 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.02 min
 Lab File: BF091747.D
 Acq: 18 Dec 2016 20:14

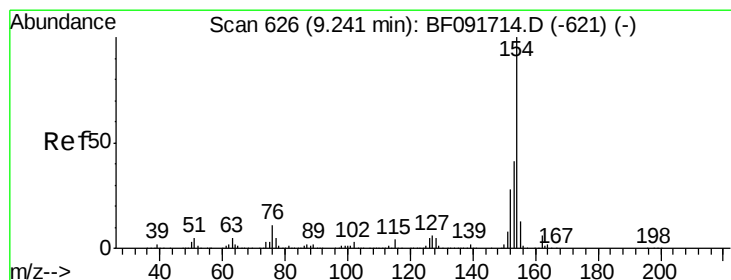
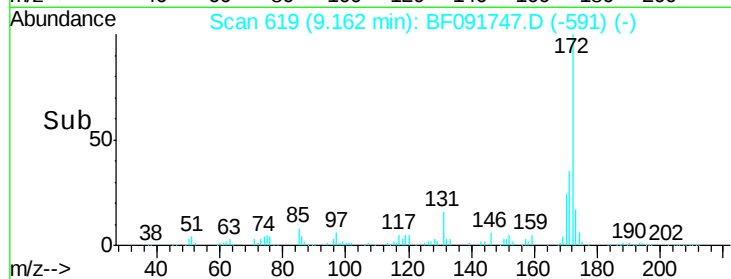
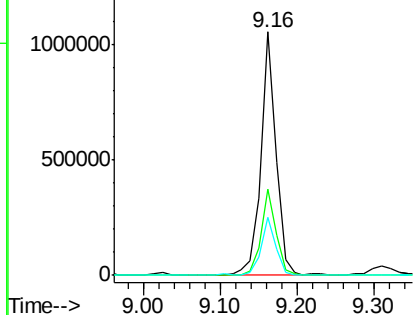
Instrument :
 BNA_F
 ClientSampled :
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Tot Ion:172 Resp: 1423892

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.0
170	23.8	20.2	30.4



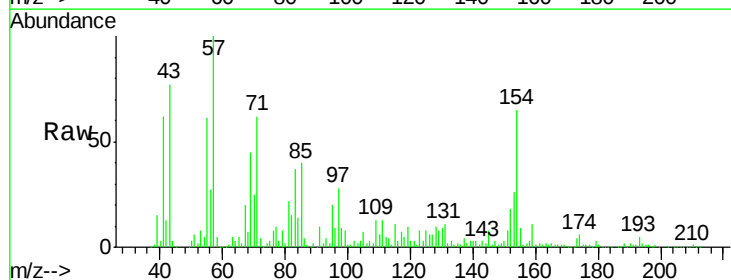
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



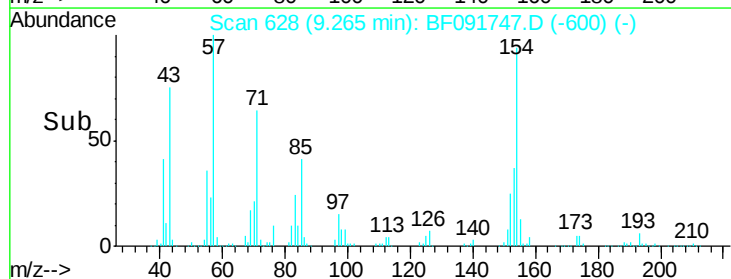
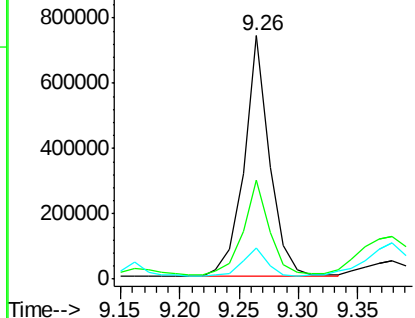
#45
 1,1'-Biphenyl
 Concen: 53.66 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.02 min
 Lab File: BF091747.D
 Acq: 18 Dec 2016 20:14

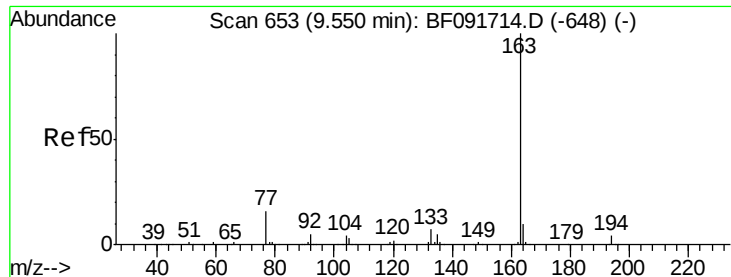
Tgt Ion:154 Resp: 1105310

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.9	60.9
76	13.0	0.0	30.5



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

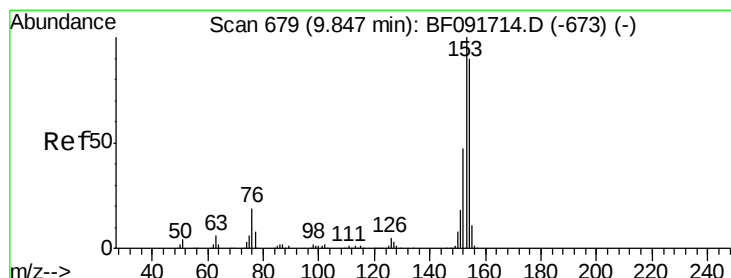
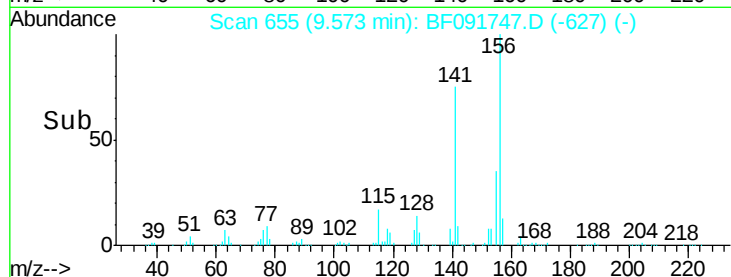
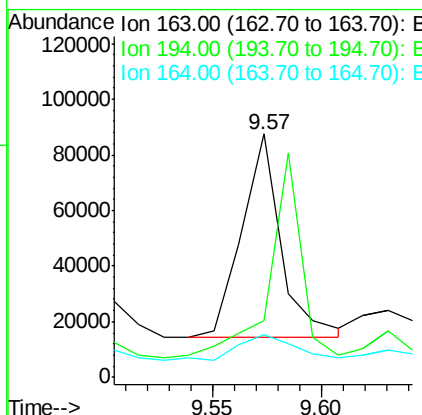
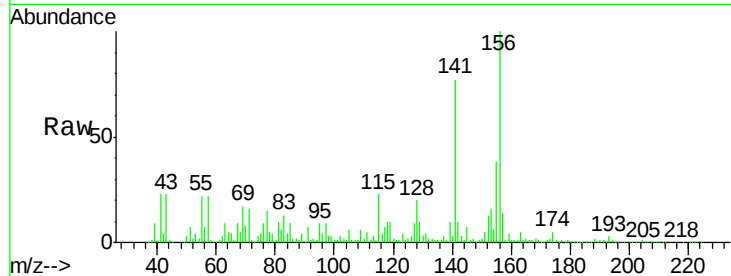




#49
Dimethylphthalate
Concen: 4.89 ng
RT: 9.57 min Scan# 655
Delta R.T. 0.02 min
Lab File: BF091747.D
Acq: 18 Dec 2016 20:14

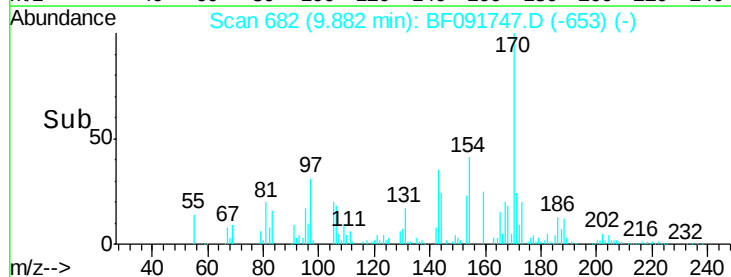
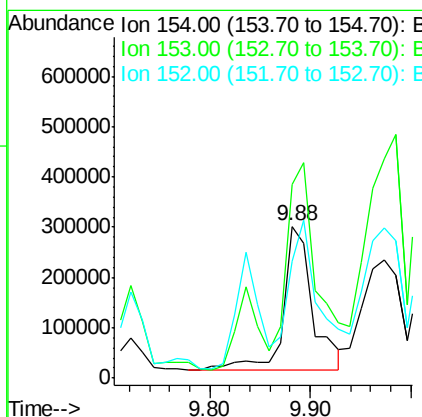
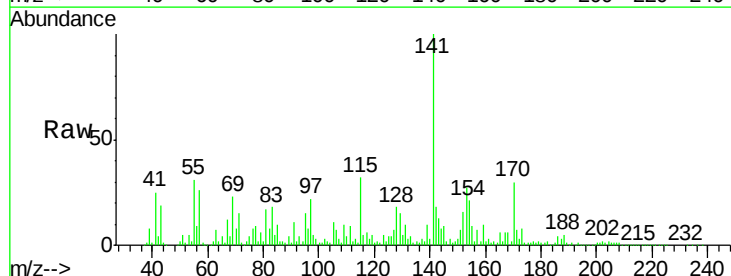
Instrument :
BNA_F
ClientSampleId :
T-2

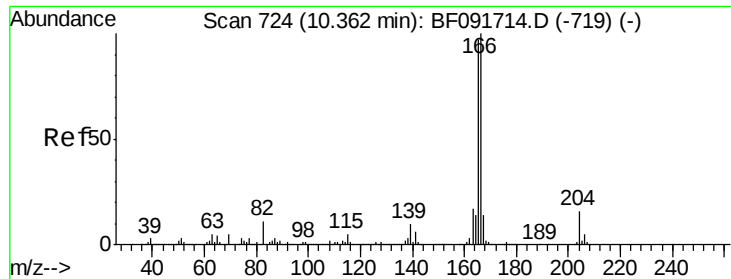
Tot Ion:163 Resp: 91799
Ion Ratio Lower Upper
163 100
194 23.3 3.0 4.4#
164 17.6 8.0 12.0#



#51
Acenaphthene
Concen: 35.26 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.03 min
Lab File: BF091747.D
Acq: 18 Dec 2016 20:14

Tgt Ion:154 Resp: 577188
Ion Ratio Lower Upper
154 100
153 127.8 88.6 133.0
152 77.3 41.6 62.4#

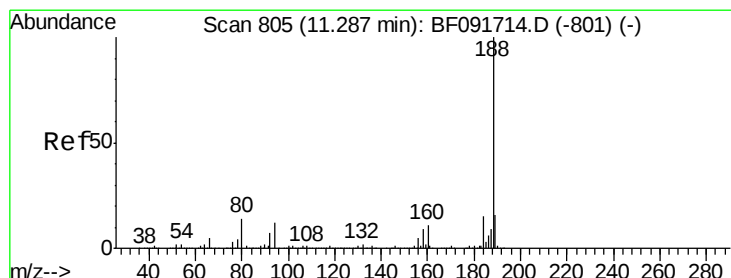
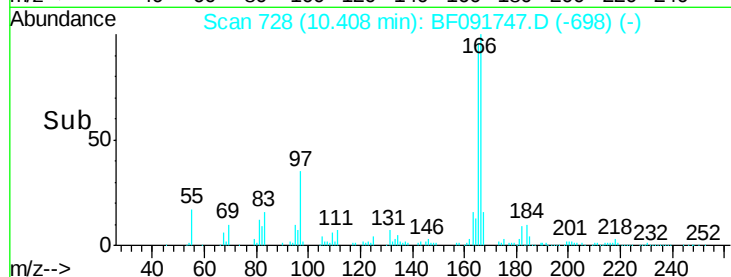
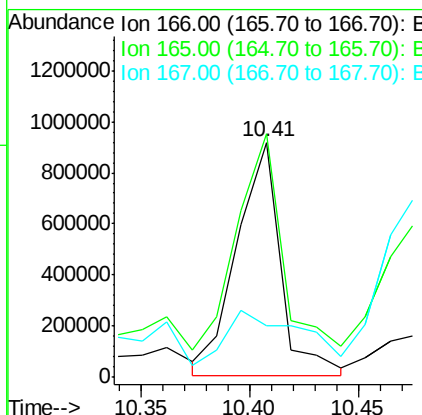
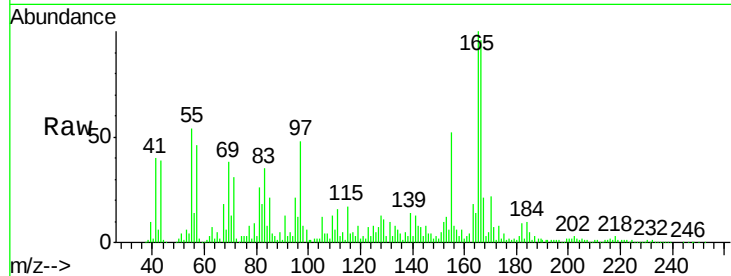




#57
 Fluorene
 Concen: 84.34 ng/ml
 RT: 10.41 min Scan# 728
 Delta R.T. 0.05 min
 Lab File: BF091747.D
 Acq: 18 Dec 2016 20:14

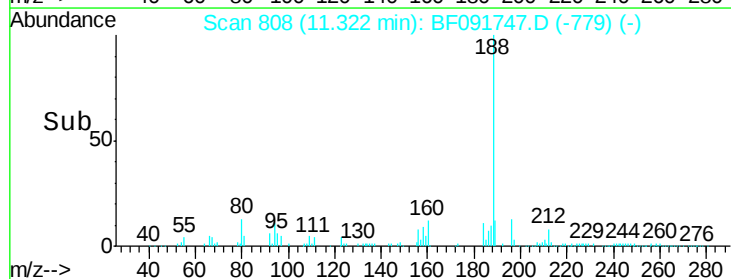
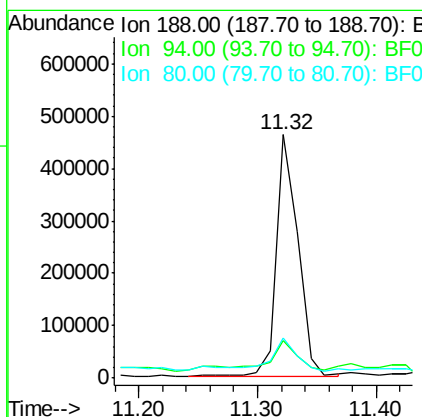
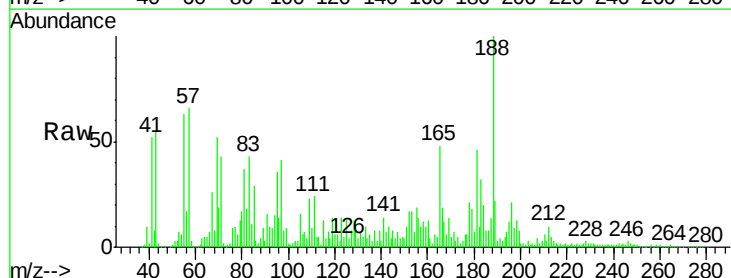
Instrument :
 BNA_F
 ClientSampled :
 T-2

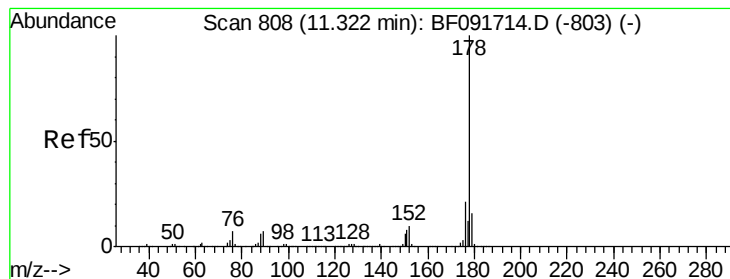
Tot Ion:166 Resp: 1275222
 Ion Ratio Lower Upper
 166 100
 165 103.7 77.8 116.8
 167 21.8 10.8 16.2#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. 0.03 min
 Lab File: BF091747.D
 Acq: 18 Dec 2016 20:14

Tgt Ion:188 Resp: 575331
 Ion Ratio Lower Upper
 188 100
 94 15.4 10.0 15.0#
 80 16.5 11.2 16.8





#70

Phenanthrene

Concen: 125.40 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.04 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

Instrument :

BNA_F

ClientSampleId :

T-2

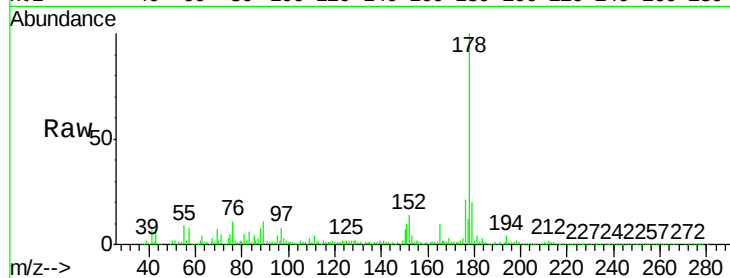
Tot Ion:178 Resp: 3605057

Ion Ratio Lower Upper

178 100

176 20.9 16.6 25.0

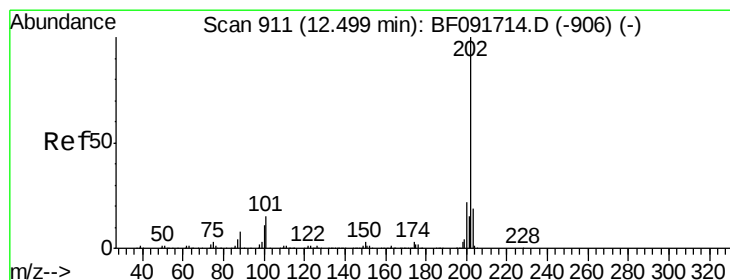
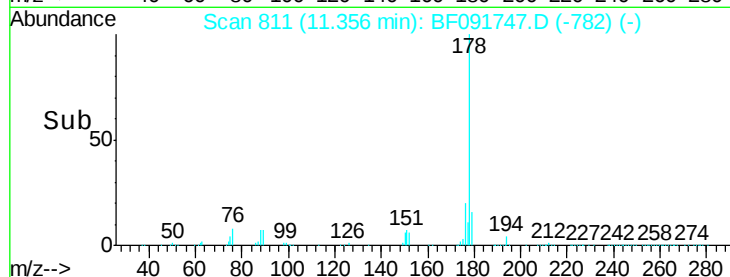
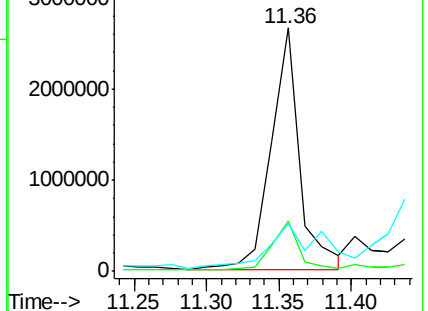
179 19.6 12.8 19.2#



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: 7.10 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

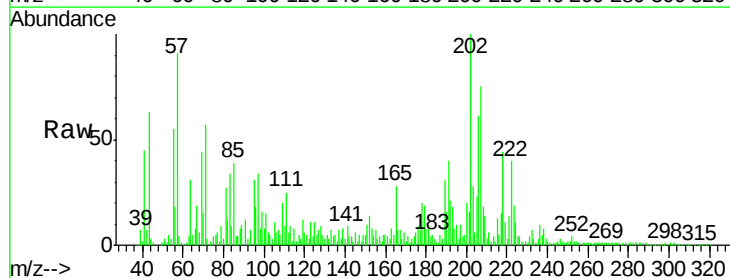
Tgt Ion:202 Resp: 213148

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.6

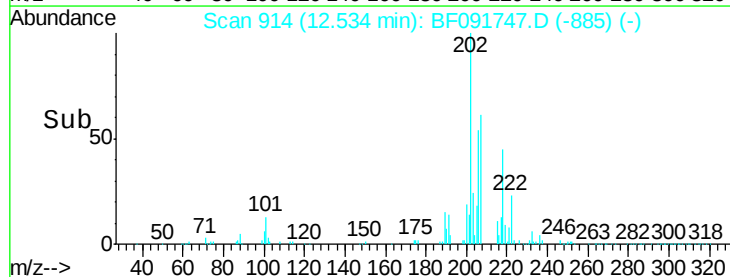
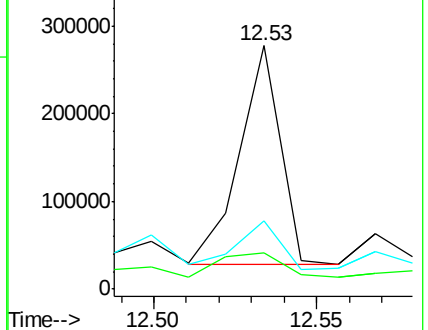
203 27.8 0.0 38.7

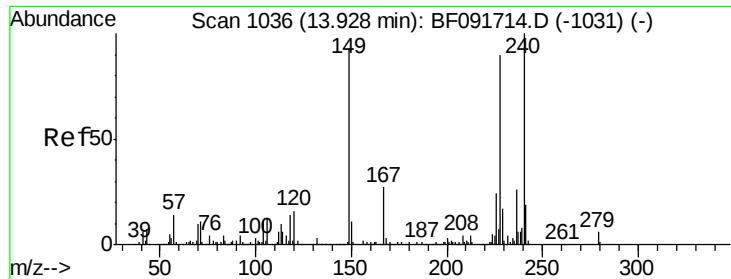


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

Instrument :

BNA_F

ClientSampleId :

T-2

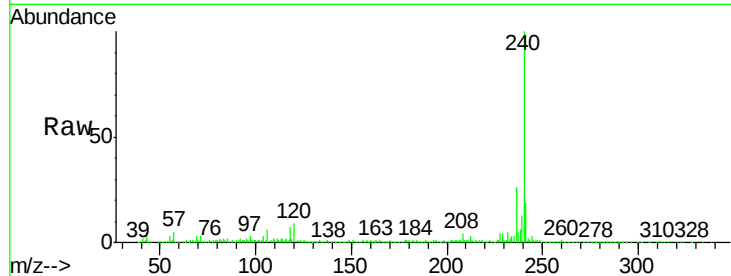
Tot Ion:240 Resp: 741905

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

236 25.8 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

13.93

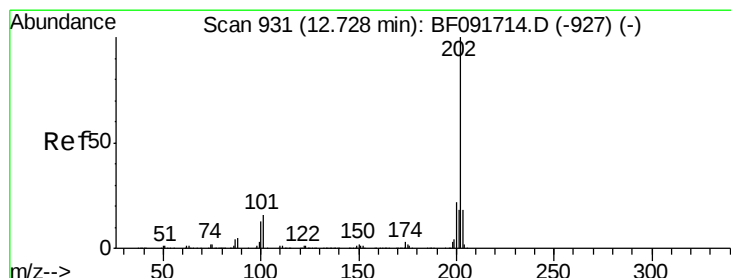
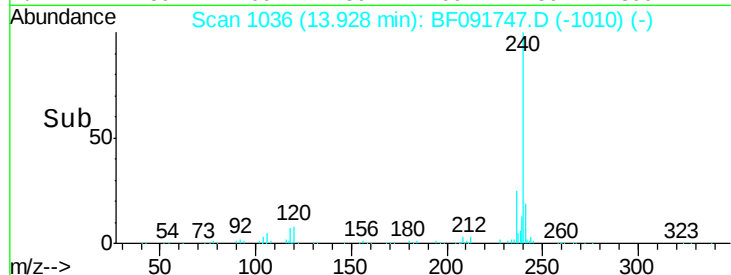
600000

400000

200000

0

Time--> 13.80 13.90 14.00 14.10



#77

Pyrene

Concen: 21.39 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.02 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

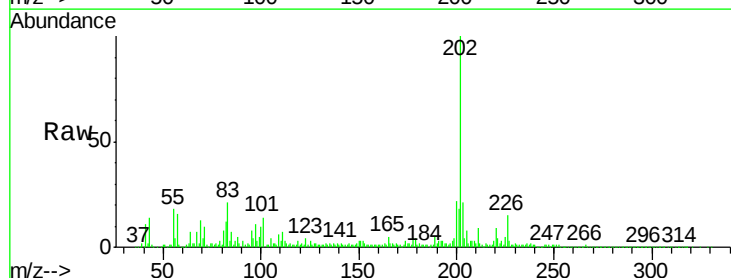
Tgt Ion:202 Resp: 1145991

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

203 21.3 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

12.75

1000000

800000

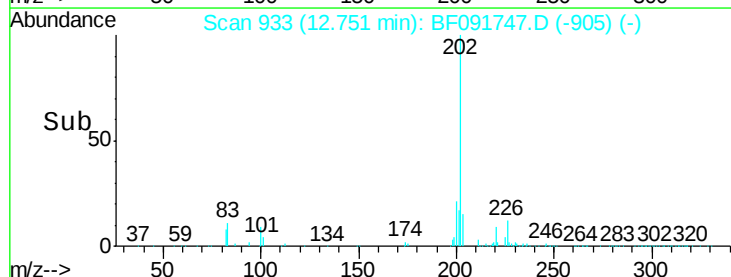
600000

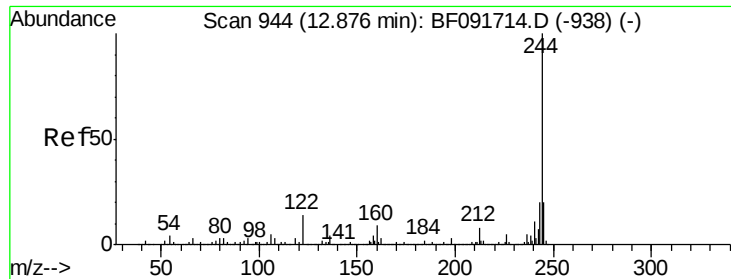
400000

200000

0

Time--> 12.70 12.80





#78

Terphenyl-d14

Concen: 57.65 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

Instrument :

BNA_F

ClientSampleId :

T-2

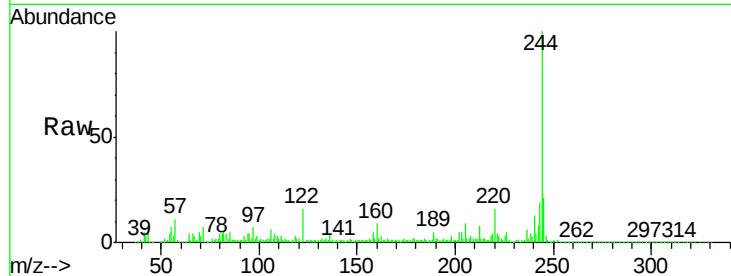
Tot Ion:244 Resp: 1693846

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

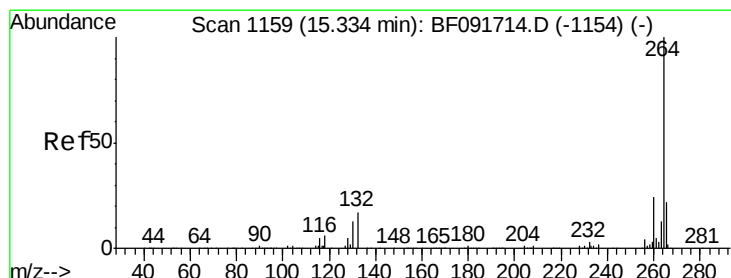
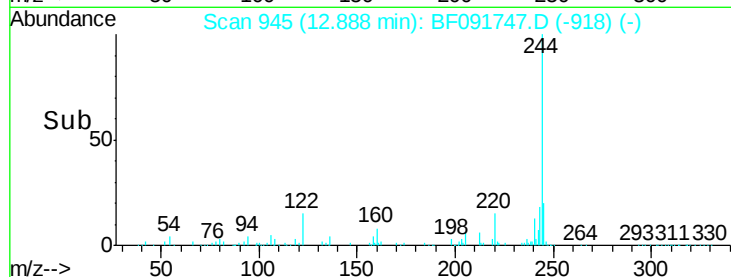
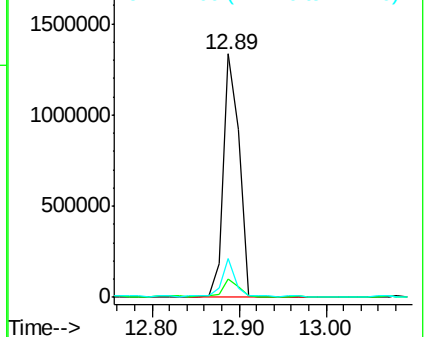
122 15.8 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF091747.D

Acq: 18 Dec 2016 20:14

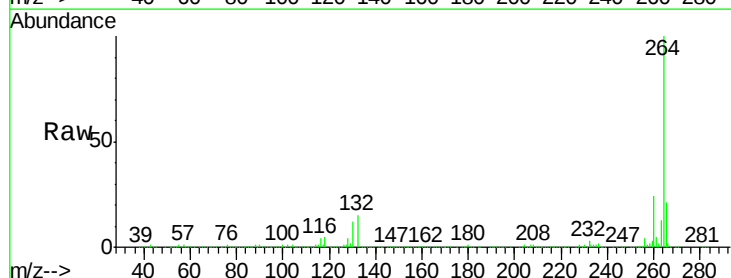
Tgt Ion:264 Resp: 559824

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.1 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

