

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093618.D
 Acq On : 13 Mar 2017 20:12
 Operator : SJ/MA
 Sample : I2233-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-BOTTOM

Quant Time: Mar 14 01:47:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

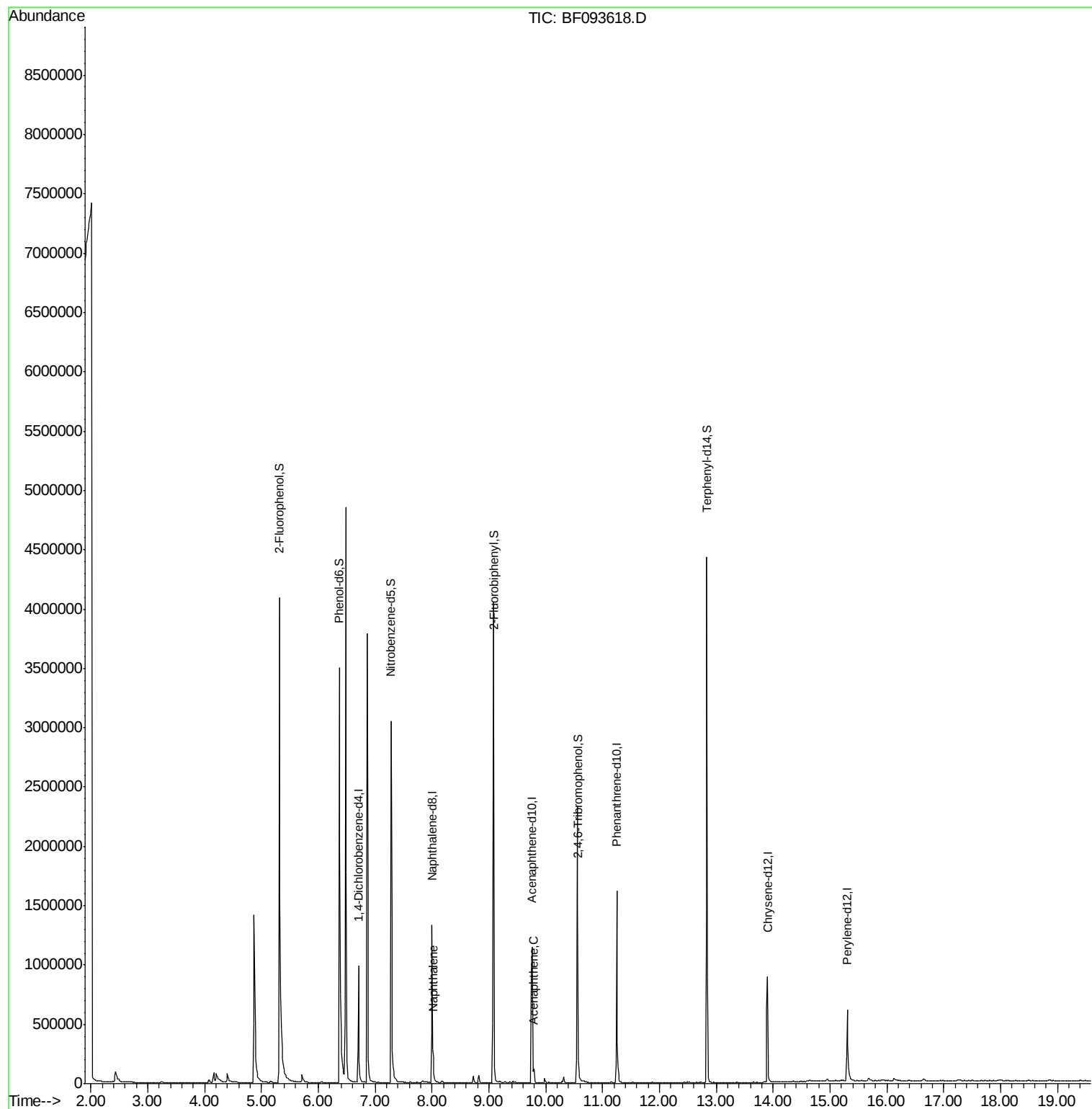
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	167197	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	672296	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	311221	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	589785	20.00	ng	0.00
75) Chrysene-d12	13.90	240	444713	20.00	ng	0.01
86) Perylene-d12	15.31	264	312602	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1527161	152.02	ng	0.00
7) Phenol-d6	6.37	99	1823653	143.96	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1214767	100.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	354993	175.08	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1905590	113.89	ng	0.00
78) Terphenyl-d14	12.84	244	1496662	87.50	ng	0.01
Target Compounds						
31) Naphthalene	8.02	128	108529	3.22	ng	98
51) Acenaphthene	9.80	154	39679	2.34	ng	96

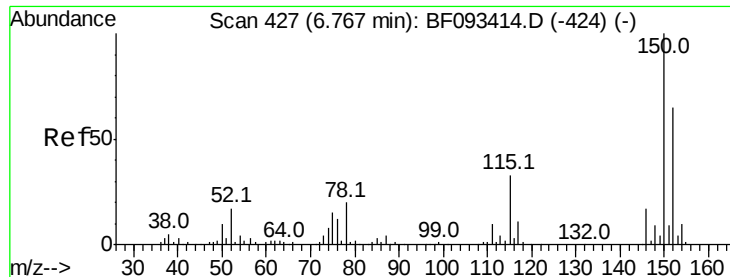
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

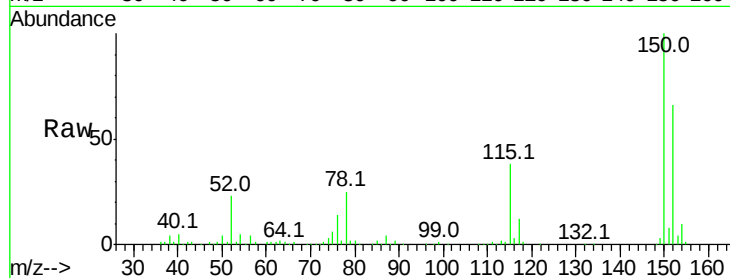
Tot Ion:152 Resp: 167197

Ion Ratio Lower Upper

152 100

150 152.4 124.9 187.3

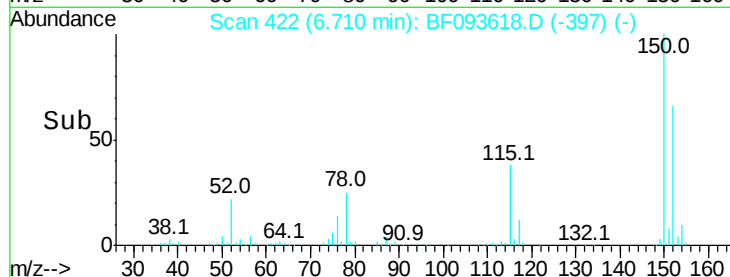
115 57.6 46.0 69.0



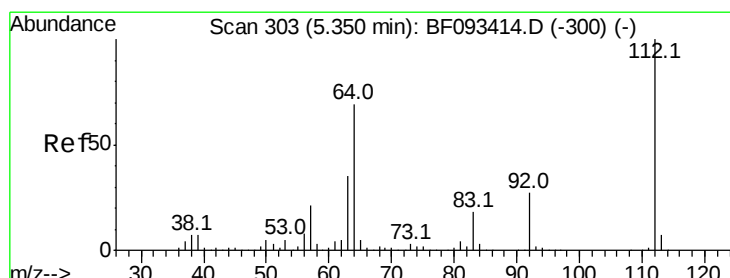
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 152.02 ng

RT: 5.32 min Scan# 300

Delta R.T. -0.00 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

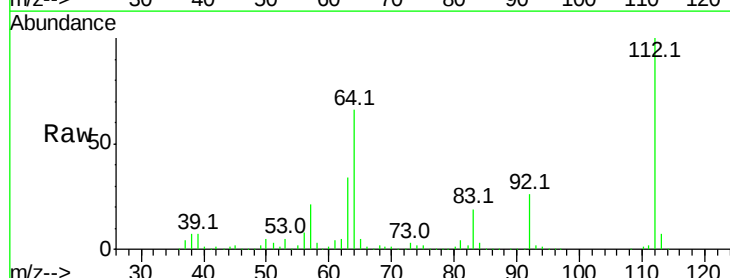
Tgt Ion:112 Resp: 1527161

Ion Ratio Lower Upper

112 100

64 65.9 46.1 69.1

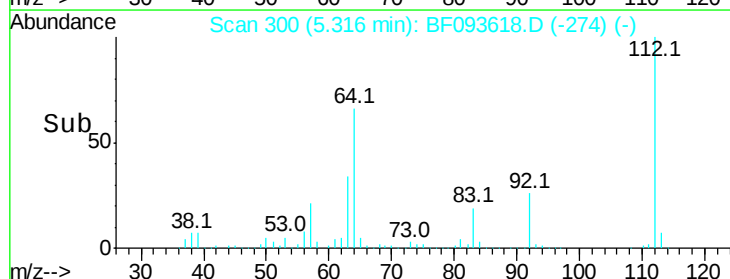
63 34.1 23.8 35.6



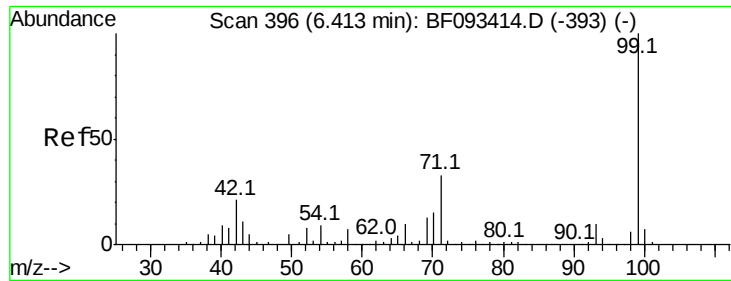
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 143.96 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

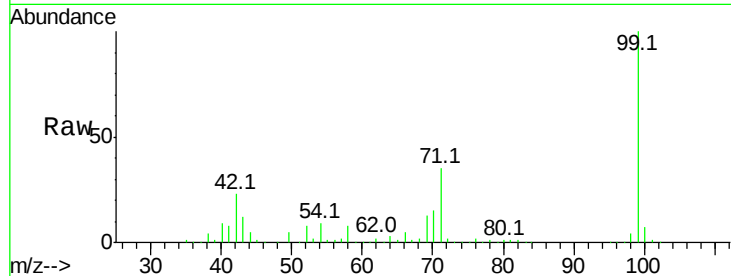
Tot Ion: 99 Resp: 1823653

Ion Ratio Lower Upper

99 100

42 22.8 15.6 23.4

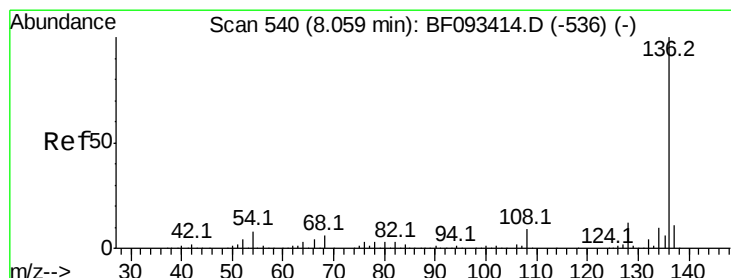
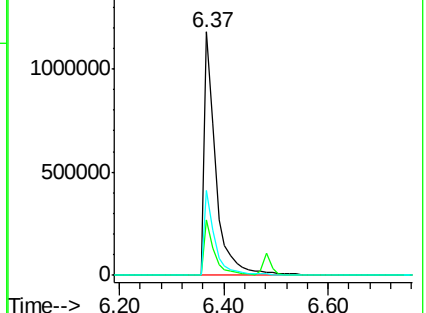
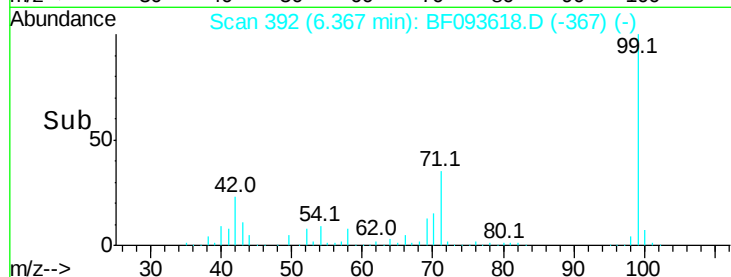
71 35.1 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Tgt Ion: 136 Resp: 672296

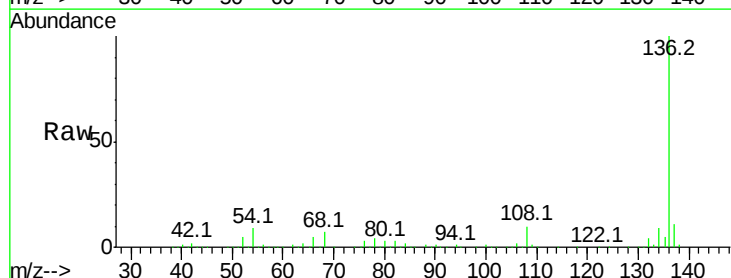
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 9.0 4.5 6.7#

68 6.6 3.6 5.4#

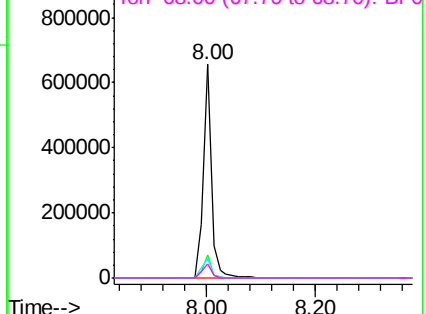
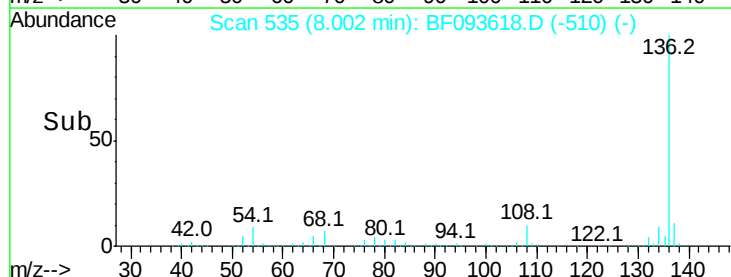


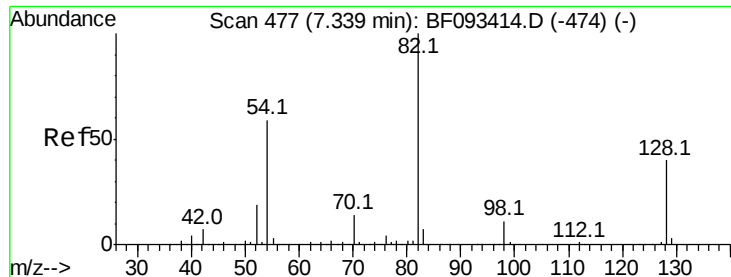
Abundance Ion 136.00 (135.70 to 136.70): E

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

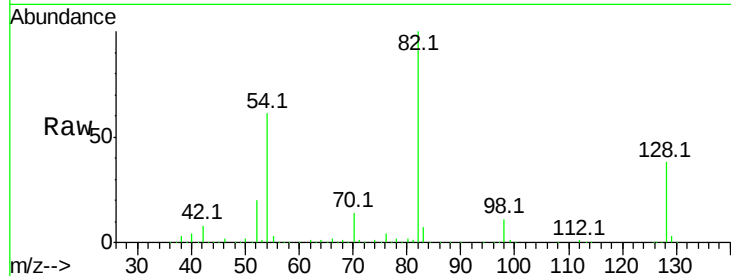




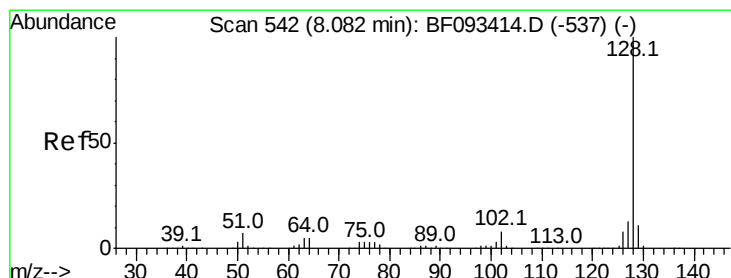
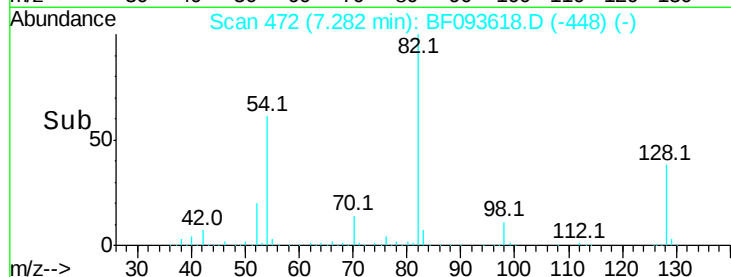
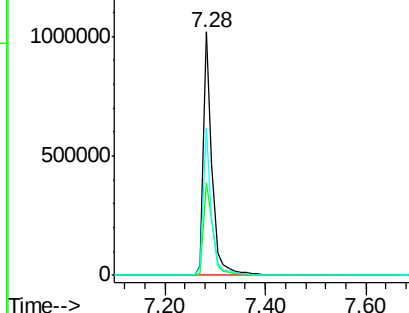
#23
 Nitrobenzene-d5
 Concen: 100.25 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF093618.D
 Acq: 13 Mar 2017 20:12

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-BOTTOM

Tot Ion: 82 Resp: 1214767
 Ion Ratio Lower Upper
 82 100
 128 38.1 34.6 52.0
 54 60.8 39.5 59.3#

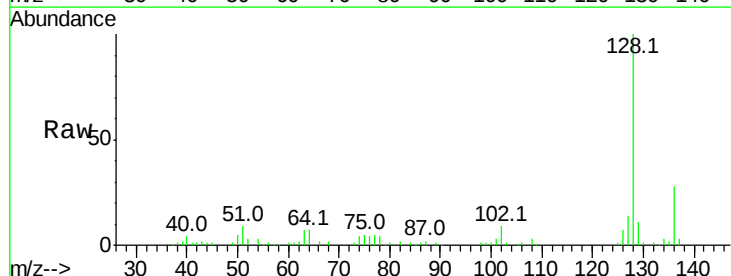


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

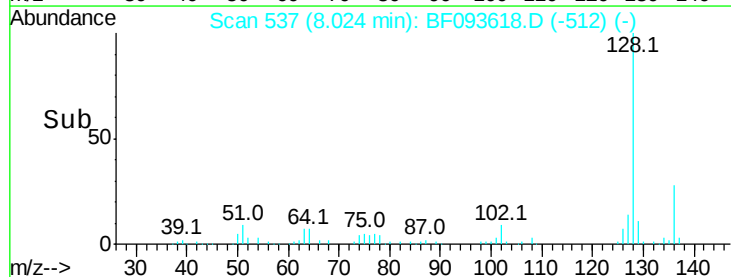
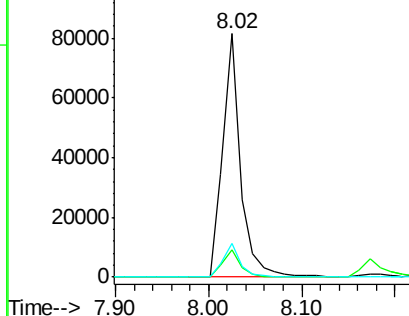


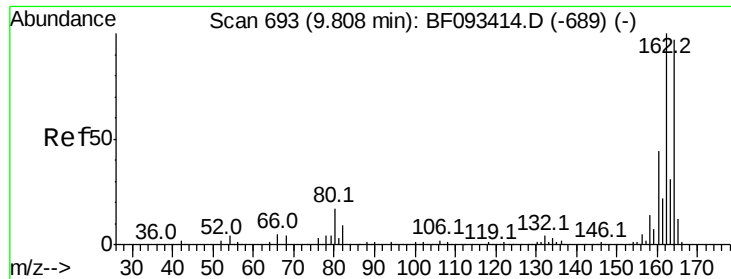
#31
 Naphthalene
 Concen: 3.22 ng
 RT: 8.02 min Scan# 537
 Delta R.T. -0.01 min
 Lab File: BF093618.D
 Acq: 13 Mar 2017 20:12

Tgt Ion:128 Resp: 108529
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.5 14.3
 127 13.9 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

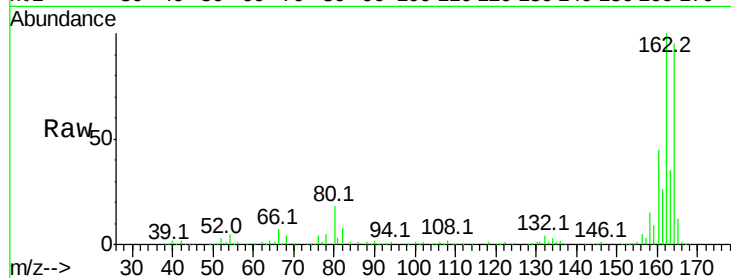




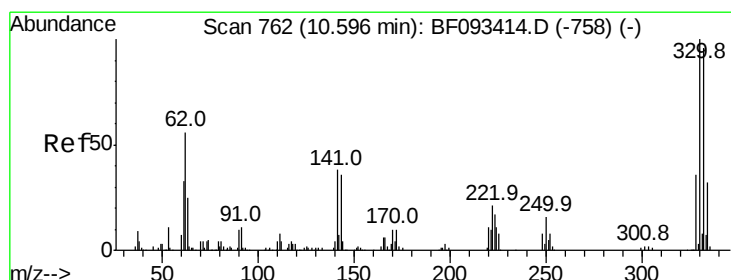
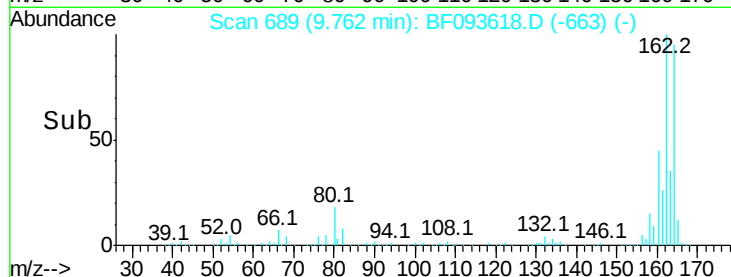
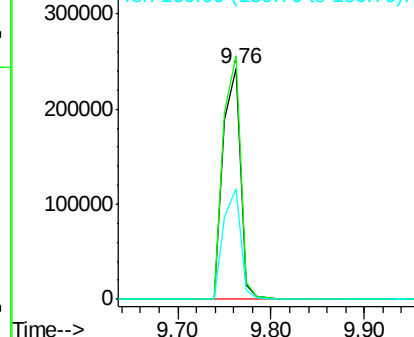
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

Tot Ion:164 Resp: 311221
Ion Ratio Lower Upper
164 100
162 105.6 80.2 120.2
160 47.7 36.9 55.3

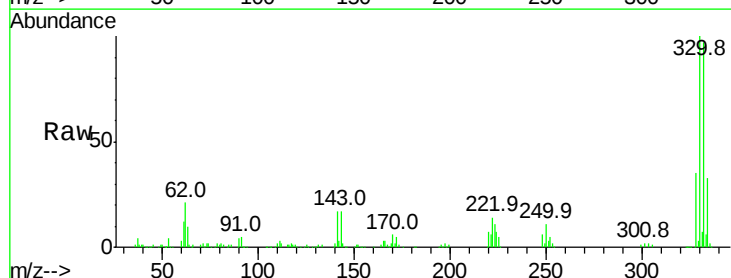


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

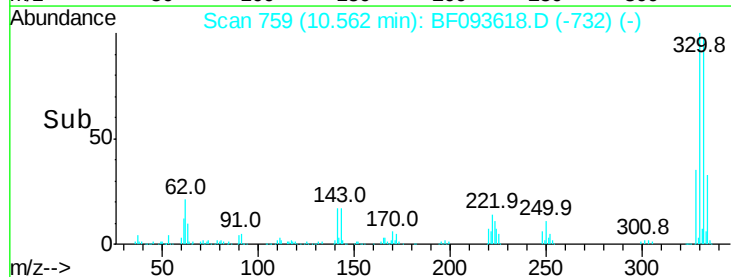
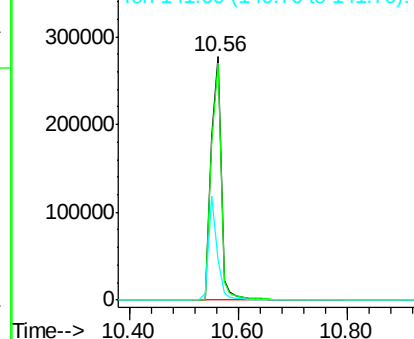


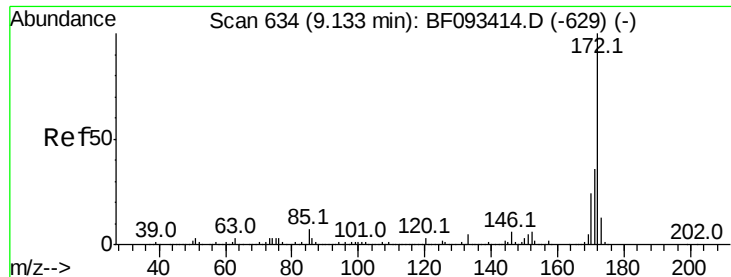
#41
2,4,6-Tribromophenol
Concen: 175.08 ng
RT: 10.56 min Scan# 759
Delta R.T. 0.01 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Tgt Ion:330 Resp: 354993
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 37.3 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: 113.89 ng

RT: 9.09 min Scan# 630

Delta R.T. -0.00 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

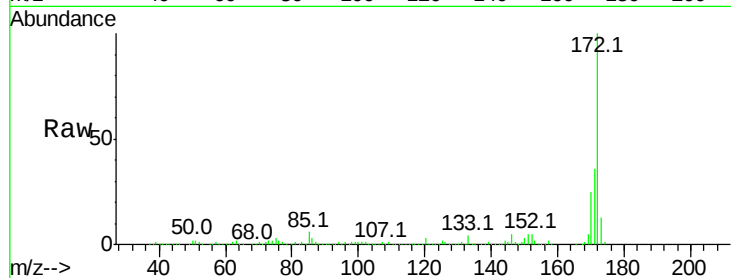
Tot Ion:172 Resp: 1905590

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

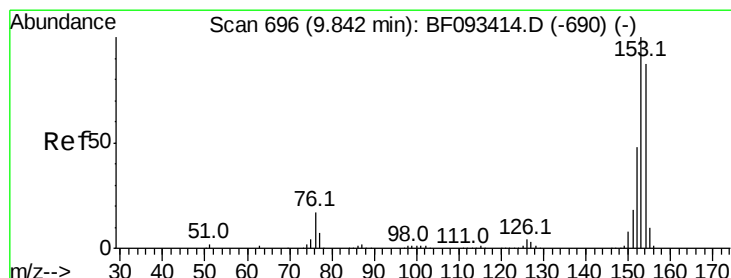
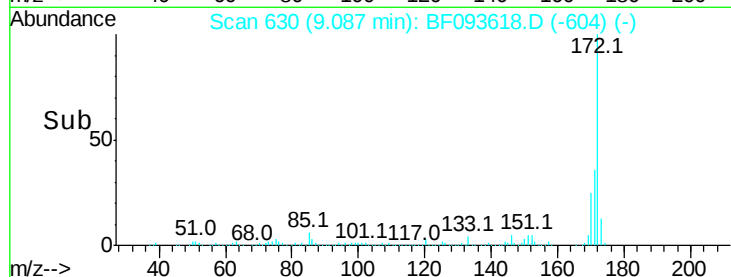
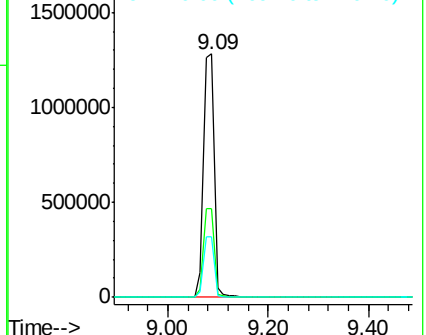
170 24.8 20.2 30.4



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



#51

Acenaphthene

Concen: 2.34 ng

RT: 9.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

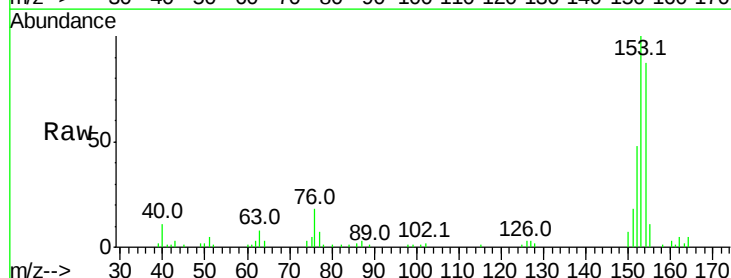
Tgt Ion:154 Resp: 39679

Ion Ratio Lower Upper

154 100

153 114.8 88.6 133.0

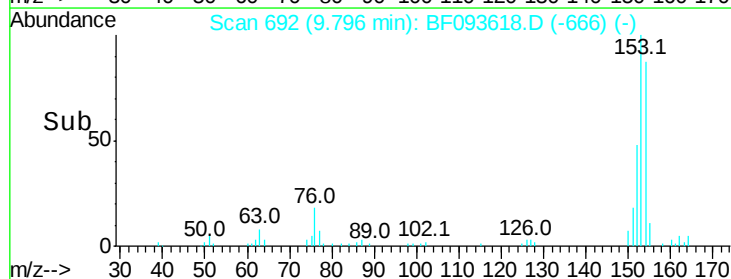
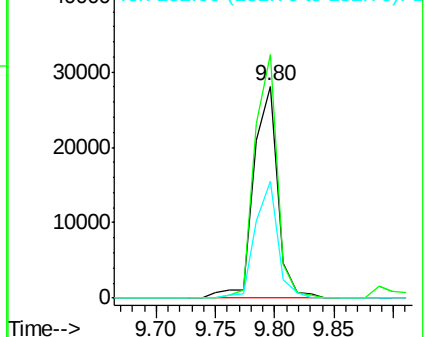
152 55.0 41.6 62.4

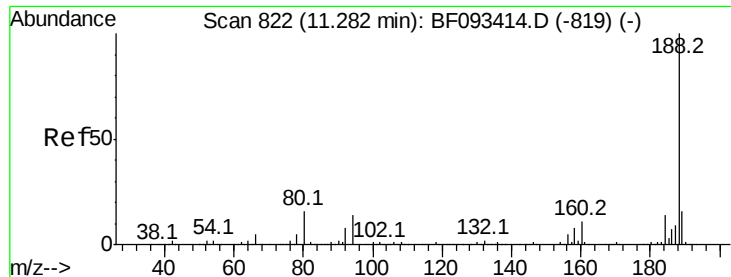


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

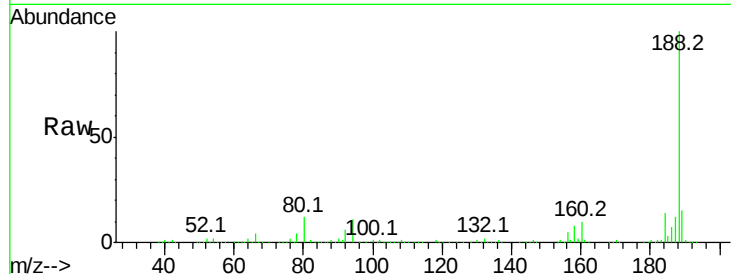




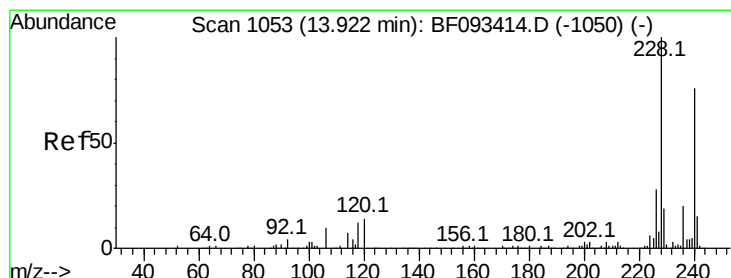
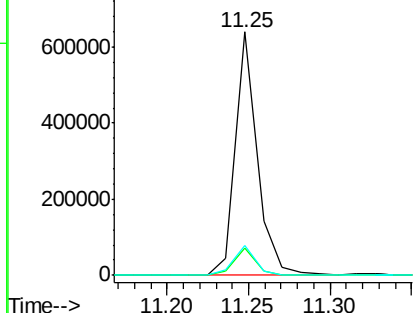
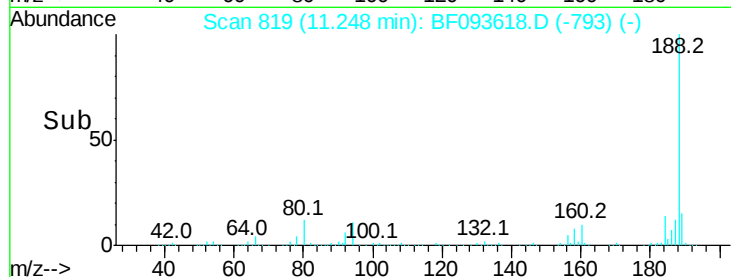
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-BOTTOM

Tot Ion:188 Resp: 589785
Ion Ratio Lower Upper
188 100
94 11.2 10.0 15.0
80 12.2 11.2 16.8

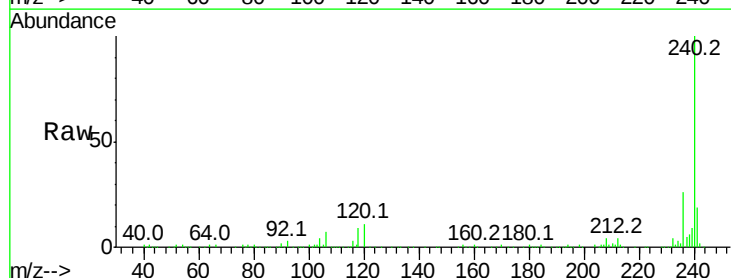


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

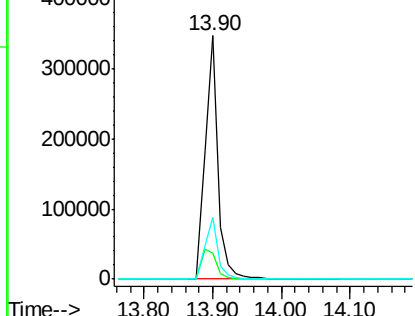
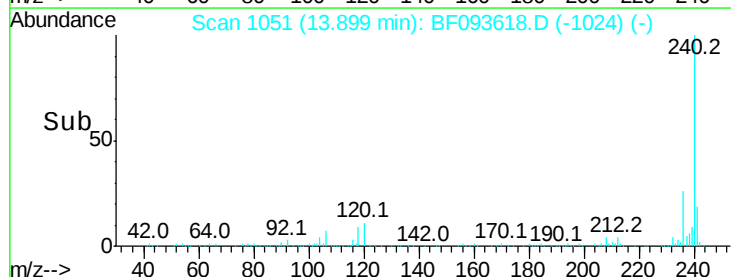


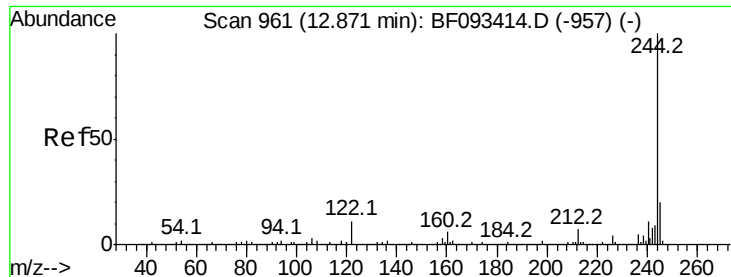
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF093618.D
Acq: 13 Mar 2017 20:12

Tgt Ion:240 Resp: 444713
Ion Ratio Lower Upper
240 100
120 10.9 12.9 19.3#
236 25.6 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





#78

Terphenyl-d14

Concen: 87.50 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-BOTTOM

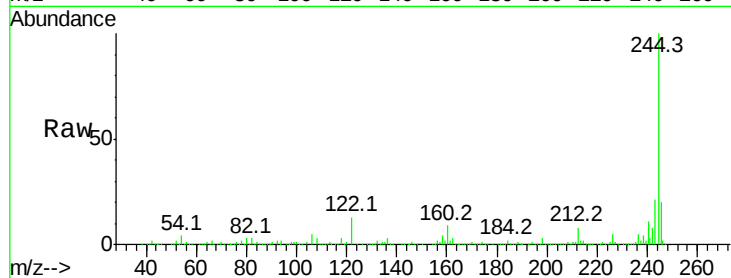
Tot Ion:244 Resp: 1496662

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

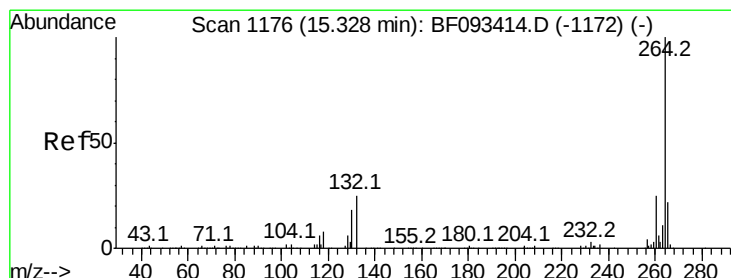
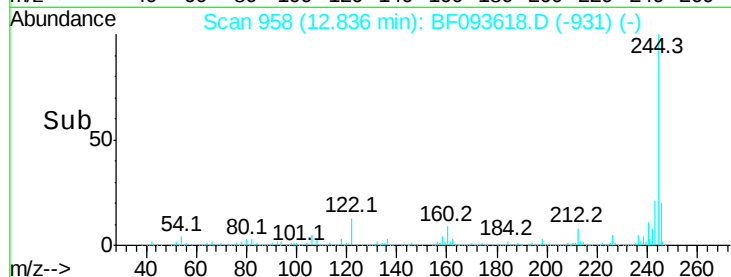
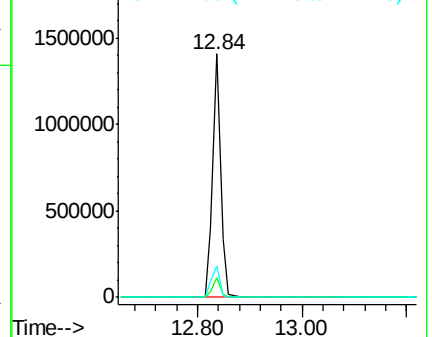
122 13.0 11.4 17.2



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: 15.31 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BF093618.D

Acq: 13 Mar 2017 20:12

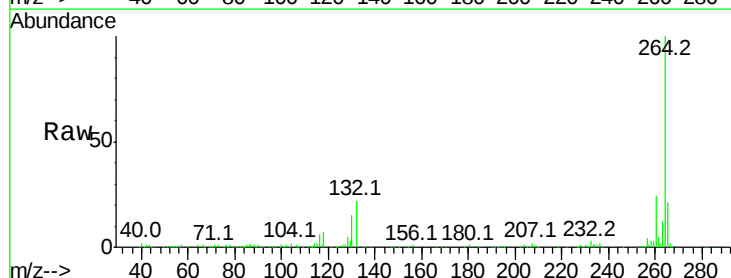
Tgt Ion:264 Resp: 312602

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 20.7 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

