

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092191.D
 Acq On : 10 Jan 2017 19:27
 Operator : UM/SJ
 Sample : I1077-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-02

Quant Time: Jan 11 00:36:39 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

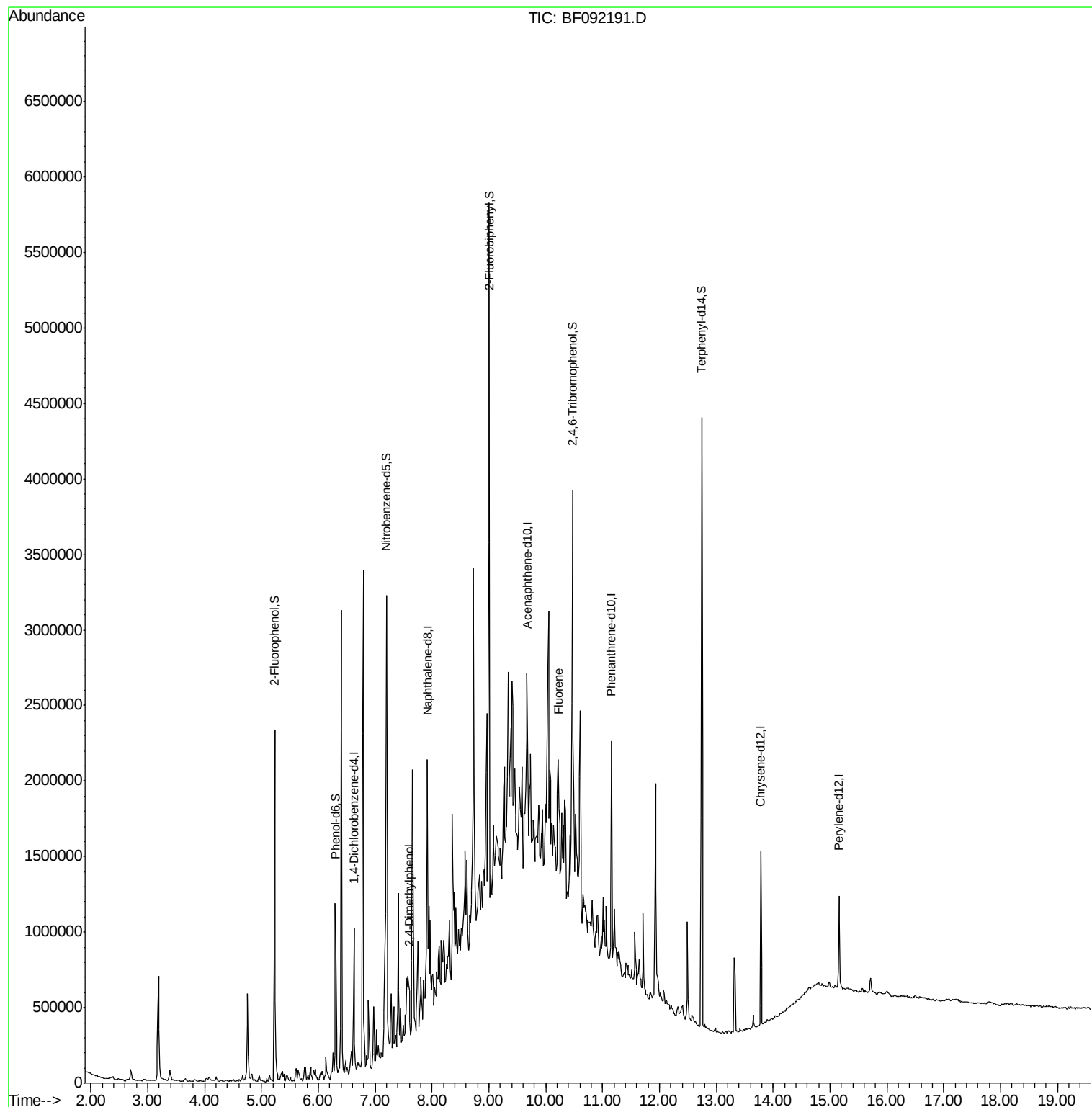
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	147721	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	592702	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	310384	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	555282	20.00	ng	0.00
75) Chrysene-d12	13.79	240	419125	20.00	ng	0.00
86) Perylene-d12	15.16	264	324717	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	762841	86.23	ng	0.00
7) Phenol-d6	6.30	99	567409	52.53	ng	-0.01
23) Nitrobenzene-d5	7.20	82	1041684	97.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	420151	163.57	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1956840	137.08	ng	0.00
78) Terphenyl-d14	12.75	244	1709952	98.95	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	7.60	122	35220	3.79	ng	Qvalue 97
57) Fluorene	10.22	166	49215	2.85	ng	# 91

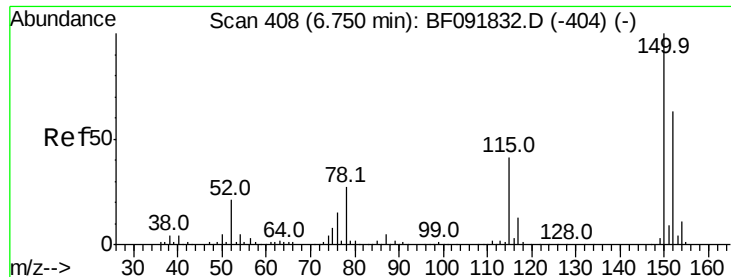
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampleId :

W-02

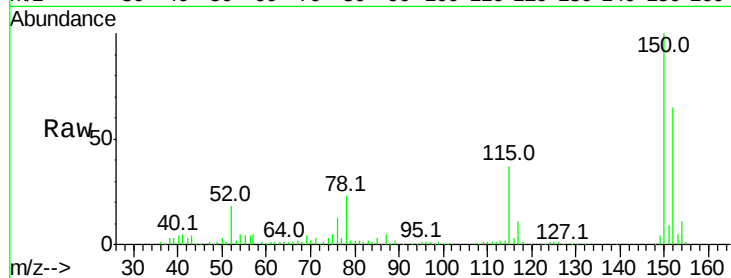
Tot Ion:152 Resp: 147721

Ion Ratio Lower Upper

152 100

150 153.0 124.9 187.3

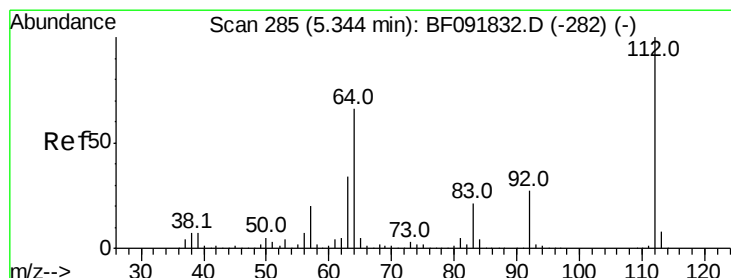
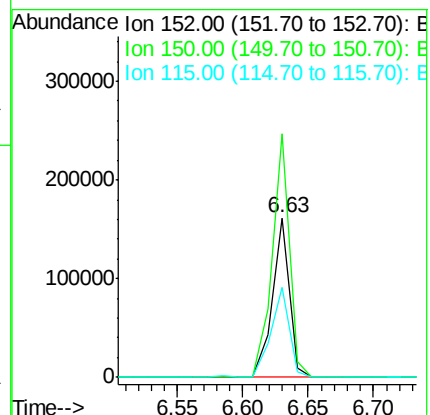
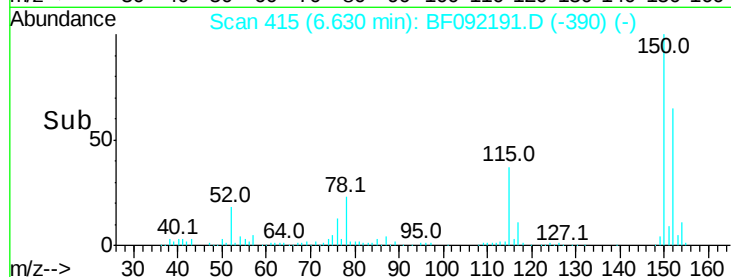
115 56.8 46.0 69.0



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: 86.23 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

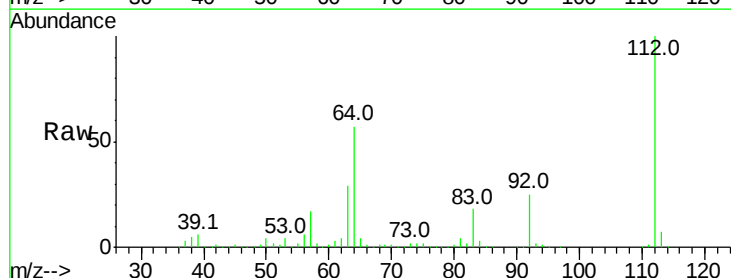
Tgt Ion:112 Resp: 762841

Ion Ratio Lower Upper

112 100

64 57.1 46.1 69.1

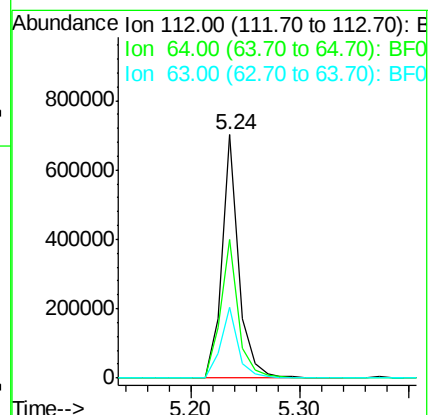
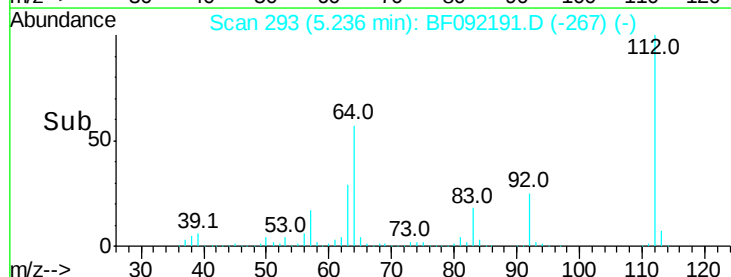
63 28.9 23.8 35.6



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: 52.53 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampleId :

W-02

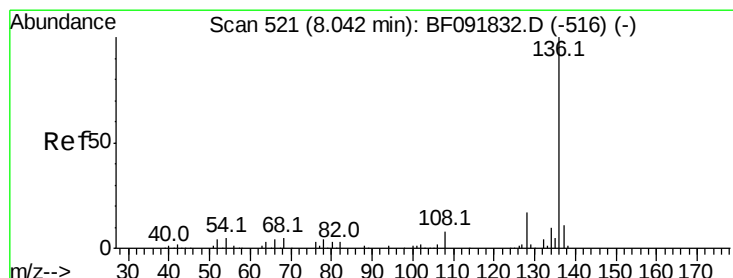
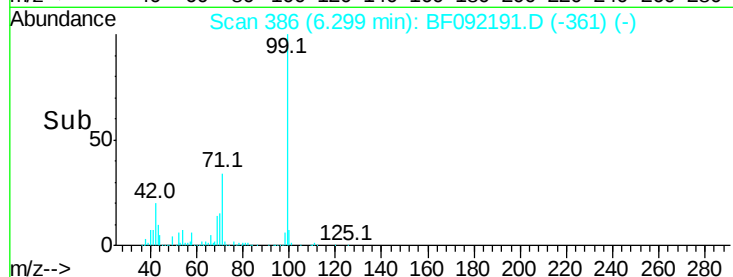
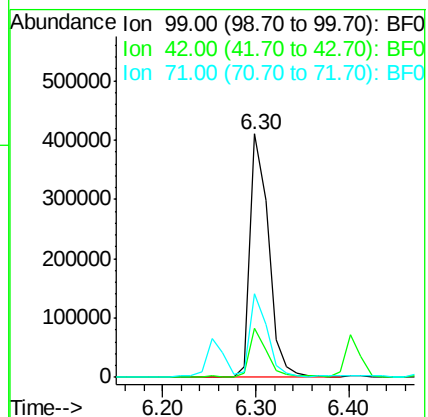
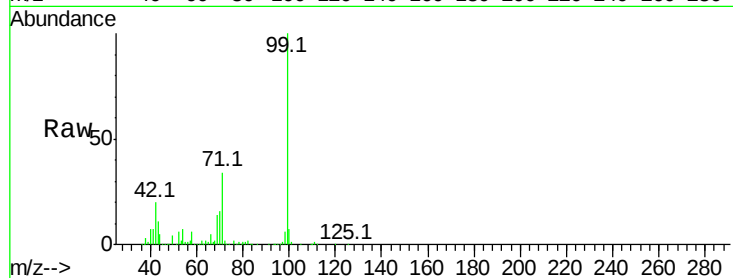
Tot Ion: 99 Resp: 567409

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

71 34.2 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Tgt Ion: 136 Resp: 592702

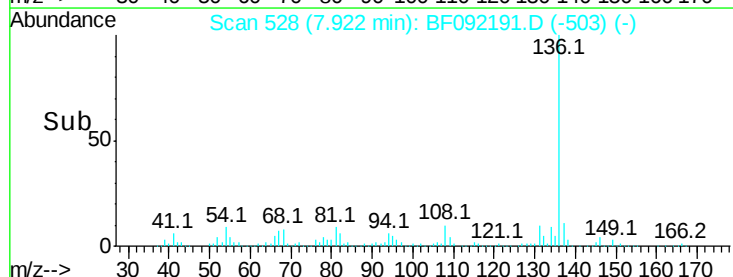
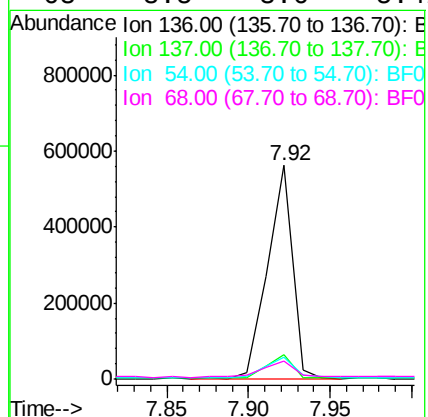
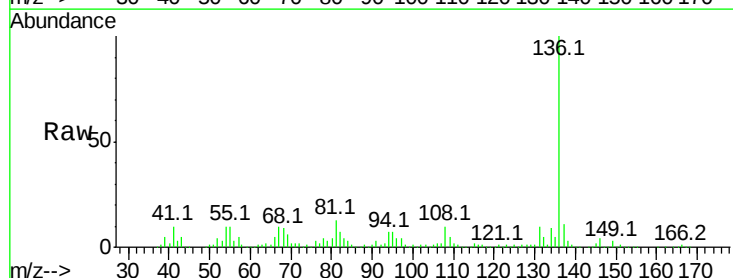
Ion Ratio Lower Upper

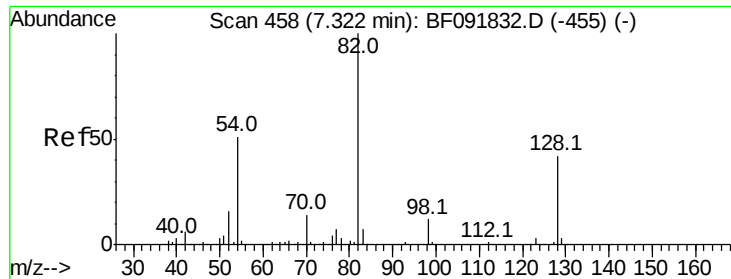
136 100

137 11.3 8.4 12.6

54 10.0 4.5 6.7#

68 8.5 3.6 5.4#

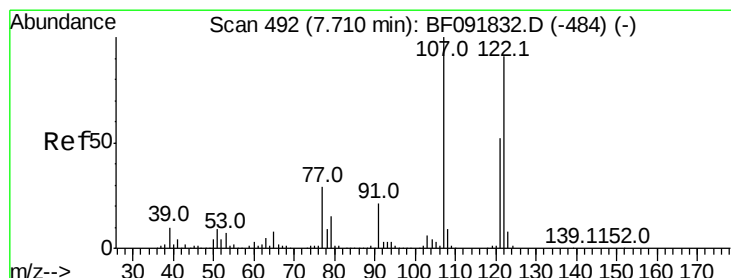
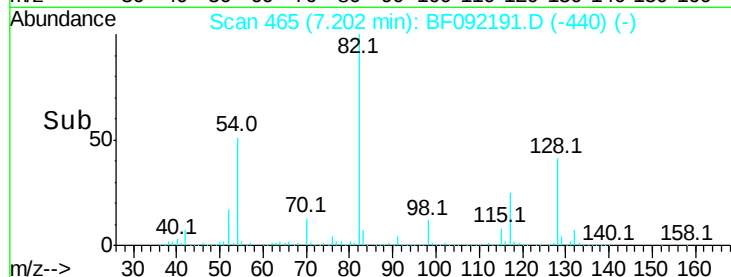
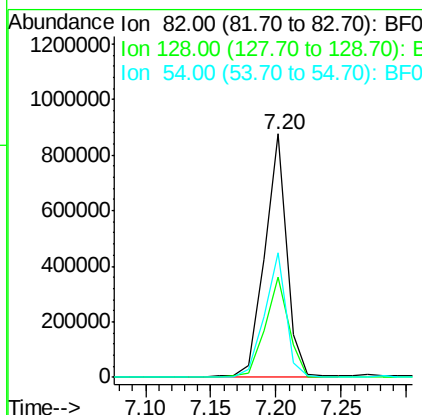
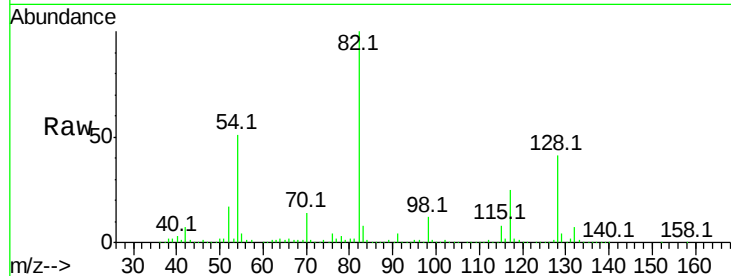




#23
 Nitrobenzene-d5
 Concen: 97.73 ng
 RT: 7.20 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

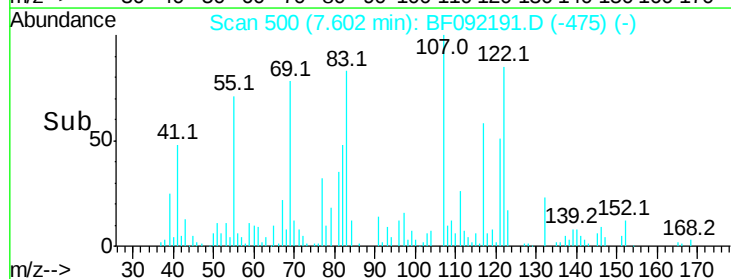
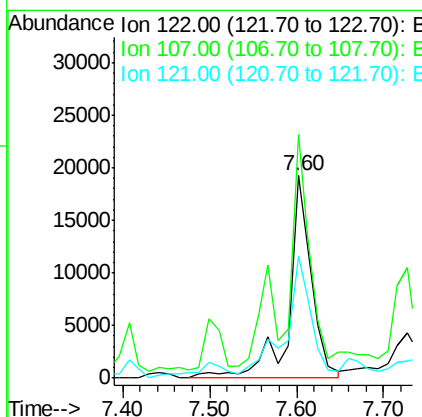
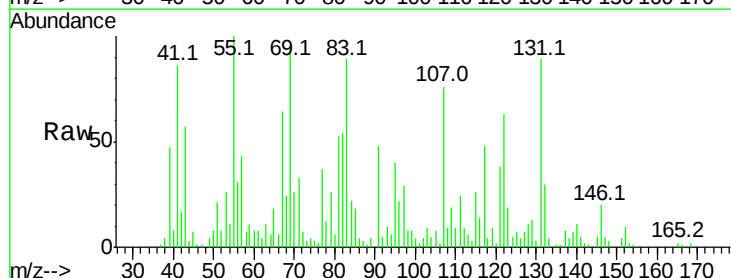
Instrument :
 BNA_F
 ClientSampleID :
 W-02

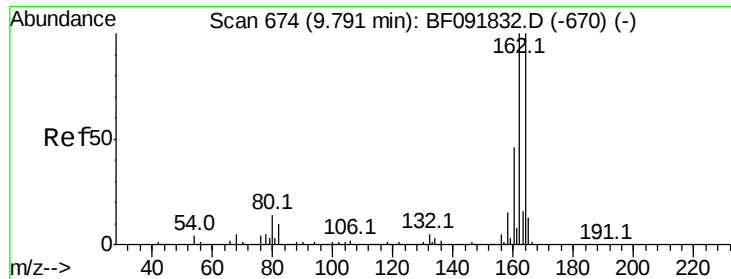
Tot Ion: 82 Resp: 1041684
 Ion Ratio Lower Upper
 82 100
 128 41.1 34.6 52.0
 54 51.2 39.5 59.3



#27
 2,4-Dimethylphenol
 Concen: 3.79 ng
 RT: 7.60 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF092191.D
 Acq: 10 Jan 2017 19:27

Tgt Ion: 122 Resp: 35220
 Ion Ratio Lower Upper
 122 100
 107 120.4 94.1 141.1
 121 60.2 46.0 69.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

BNA_F

ClientSampleId :

W-02

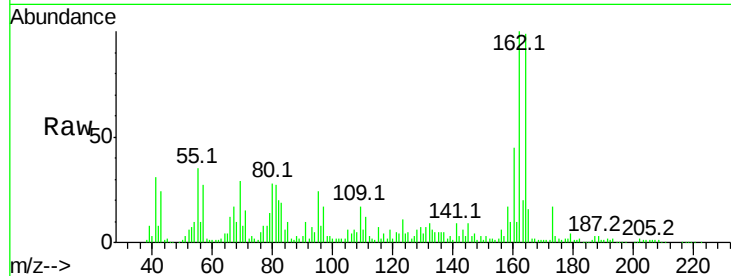
Tot Ion:164 Resp: 310384

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

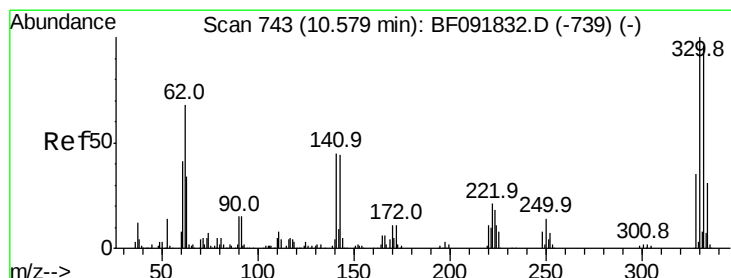
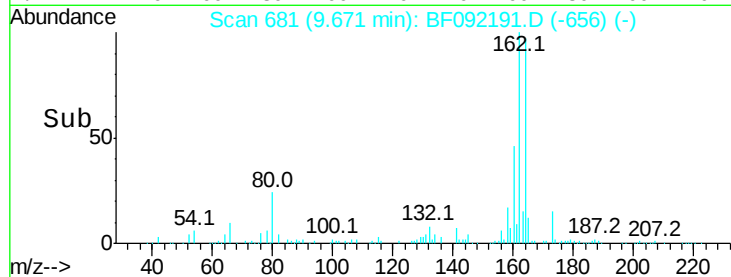
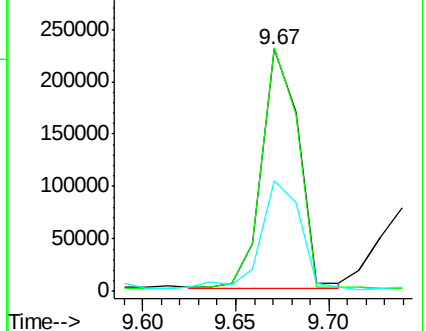
160 45.6 36.9 55.3



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: 163.57 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

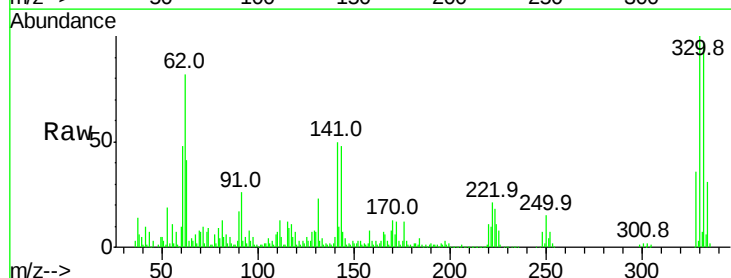
Tgt Ion:330 Resp: 420151

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

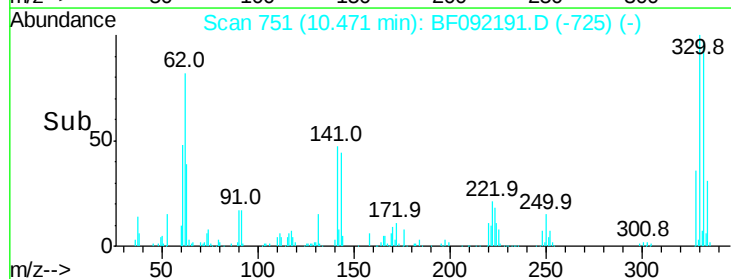
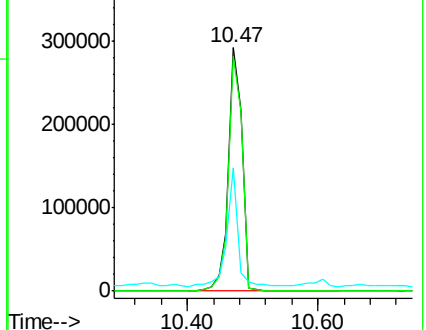
141 39.4 34.1 51.1

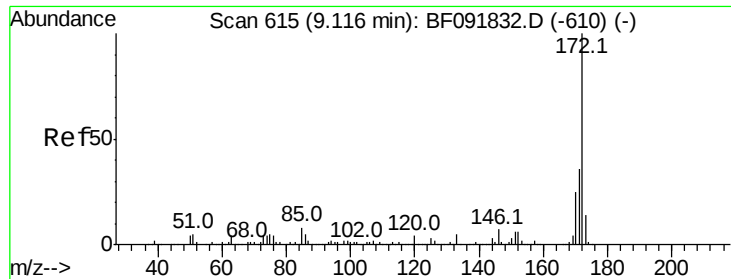


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 137.08 ng

RT: 9.01 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

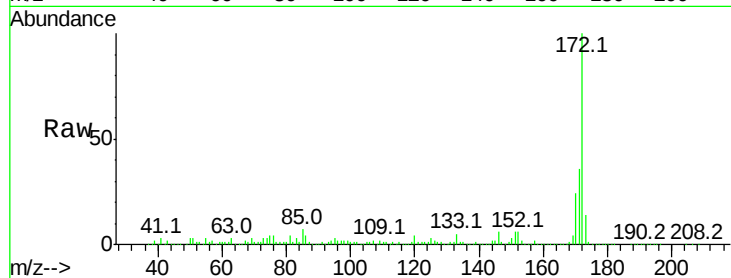
BNA_F

ClientSampleId :

W-02

Tot Ion:172 Resp: 1956840

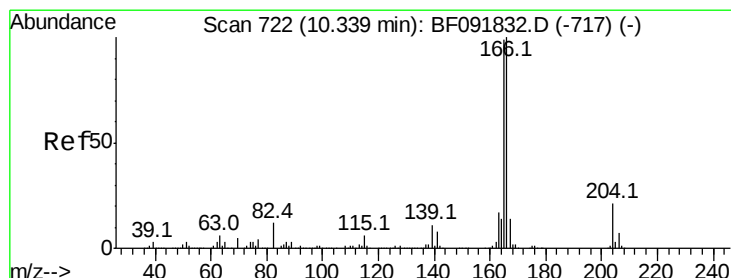
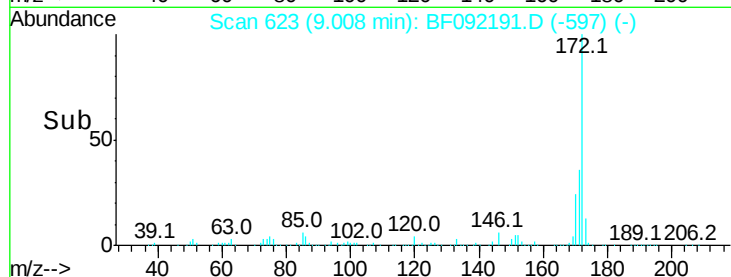
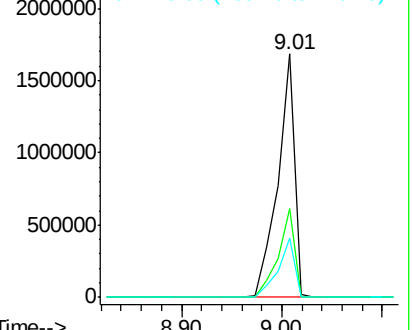
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.5	20.2	30.4



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



#57

Fluorene

Concen: 2.85 ng

RT: 10.22 min Scan# 729

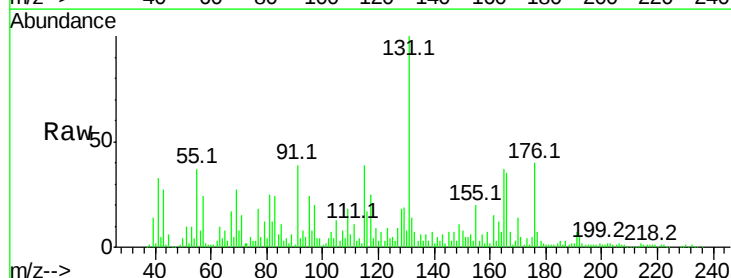
Delta R.T. -0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Tgt Ion:166 Resp: 49215

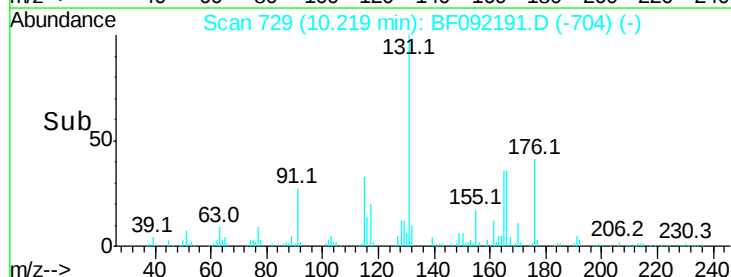
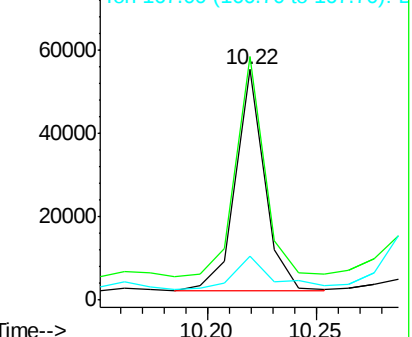
Ion	Ratio	Lower	Upper
166	100		
165	105.6	77.8	116.8
167	19.2	10.8	16.2#

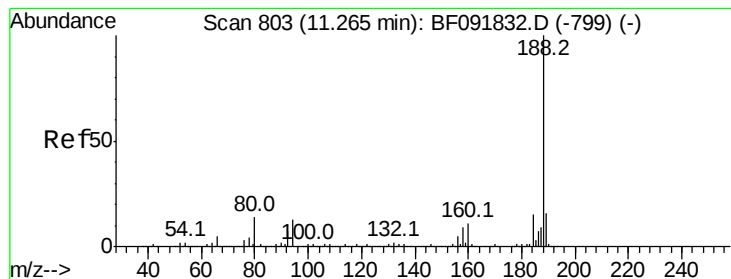


Abundance Ion 166.00 (165.70 to 166.70): E

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: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

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ClientSampleId :

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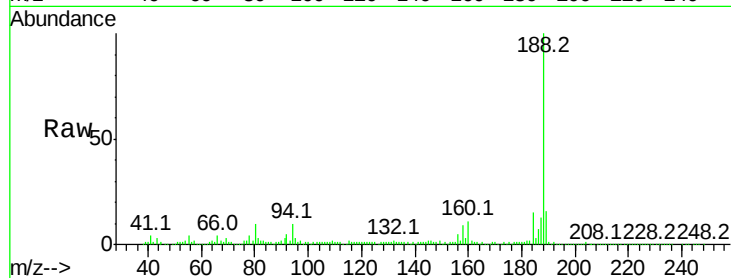
Tot Ion:188 Resp: 555282

Ion Ratio Lower Upper

188 100

94 9.5 10.0 15.0#

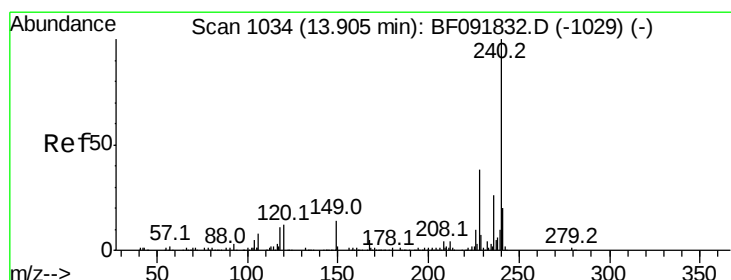
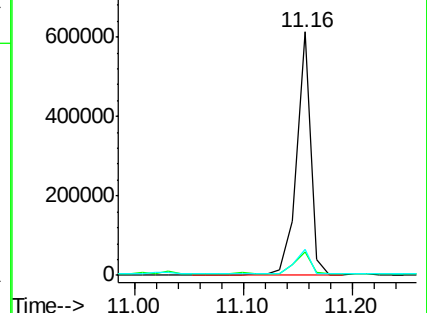
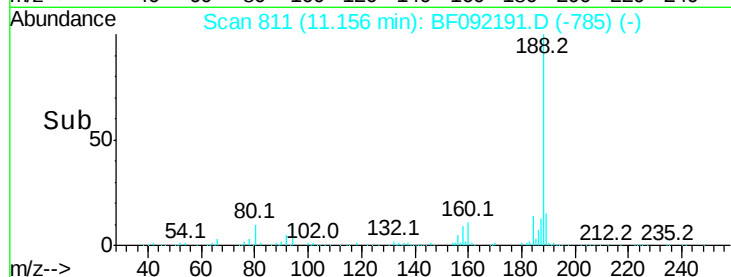
80 10.5 11.2 16.8#



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: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

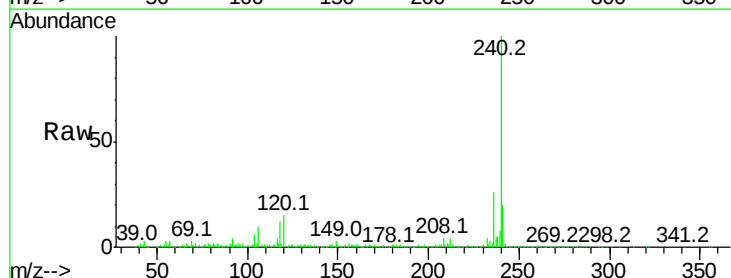
Tgt Ion:240 Resp: 419125

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

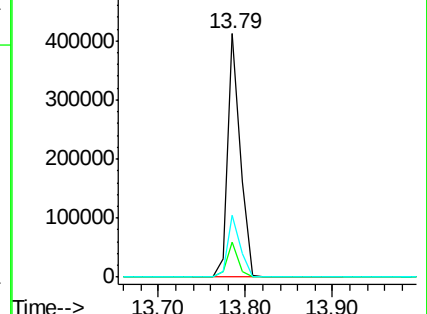
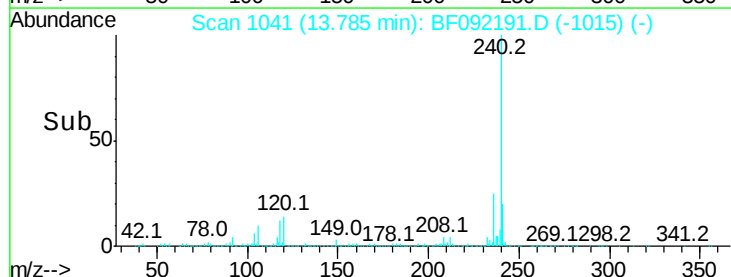
236 25.5 20.9 31.3

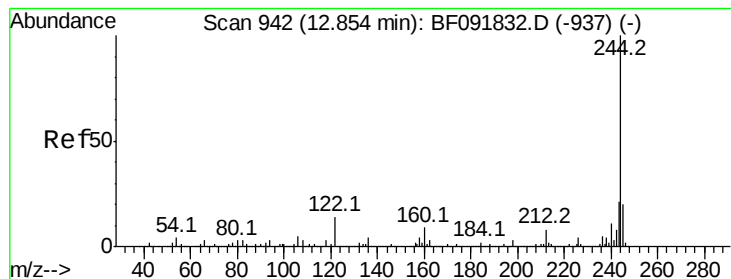


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 98.95 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

Instrument :

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W-02

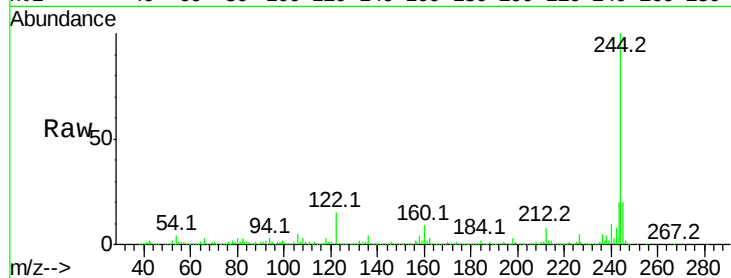
Tot Ion:244 Resp: 1709952

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

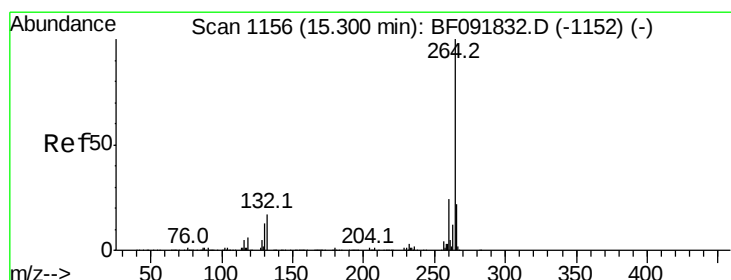
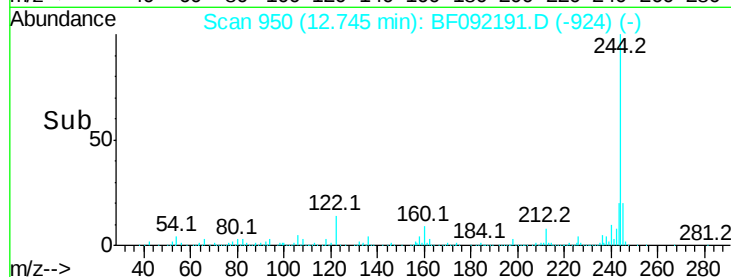
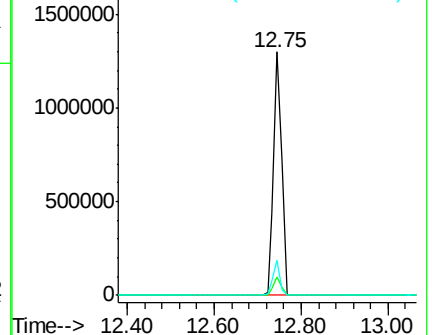
122 14.6 11.4 17.2



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: 15.16 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BF092191.D

Acq: 10 Jan 2017 19:27

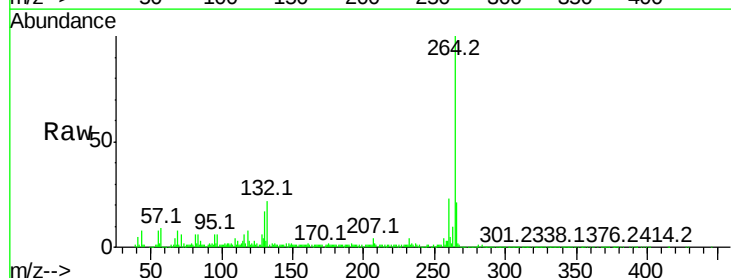
Tgt Ion:264 Resp: 324717

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.2 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

