

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122916\
 Data File : BF092028.D
 Acq On : 29 Dec 2016 17:09
 Operator : UM/SJ
 Sample : H6182-07DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(6-8)-121916DL

Quant Time: Dec 29 18:17:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

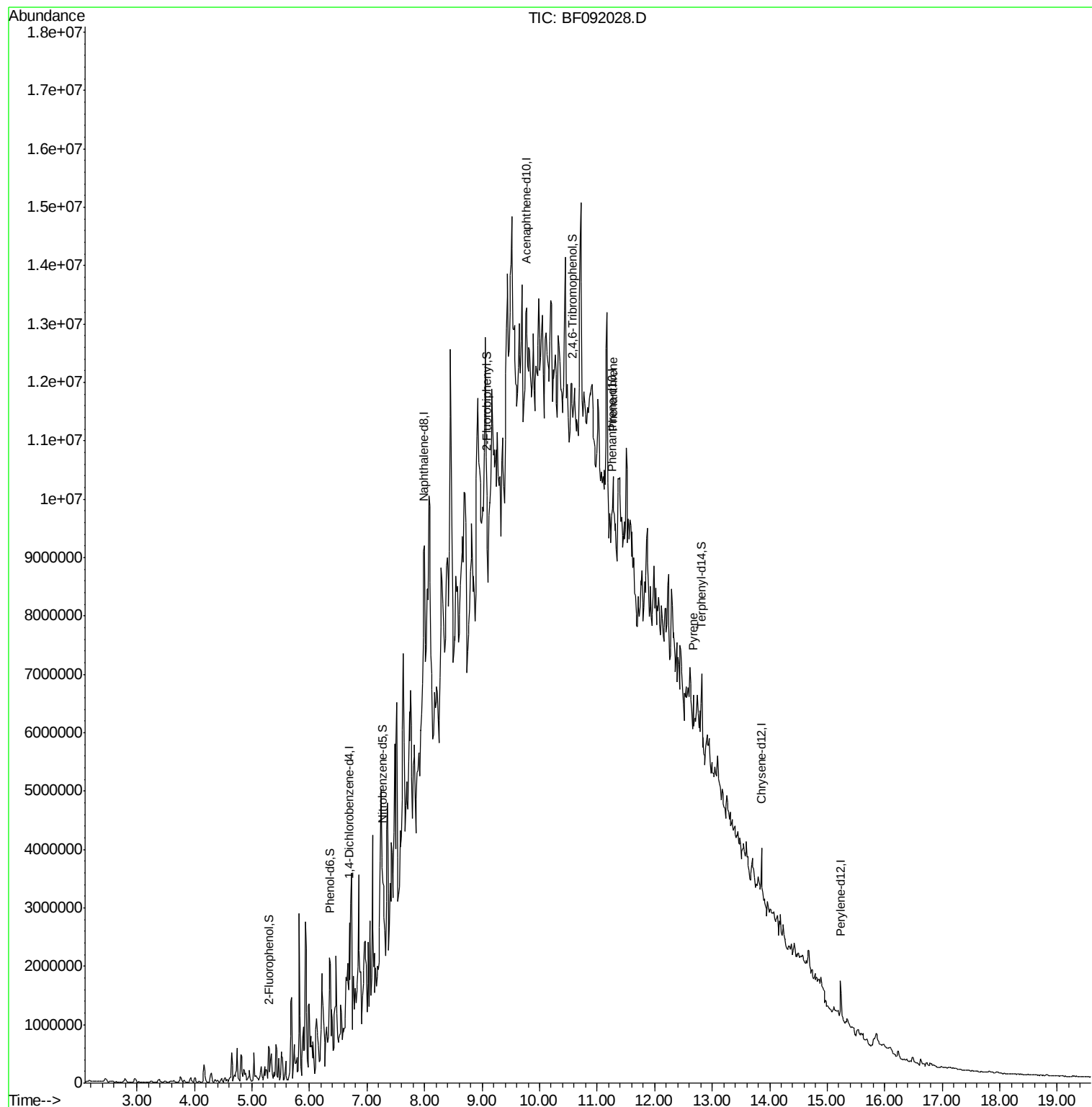
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	177971	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	484376	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	175878	20.00	ng	0.01
63) Phenanthrene-d10	11.25	188	277533	20.00	ng	0.02
75) Chrysene-d12	13.86	240	329111	20.00	ng	-0.01
86) Perylene-d12	15.23	264	337141	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	253198	23.76	ng	-0.02
7) Phenol-d6	6.35	99	322506	24.78	ng	-0.03
23) Nitrobenzene-d5	7.26	82	267110	30.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	30496	20.95	ng	0.02
44) 2-Fluorobiphenyl	9.08	172	221119	15.16	ng	0.00
78) Terphenyl-d14	12.82	244	184250	13.58	ng	0.00
Target Compounds						
70) Phenanthrene	11.28	178	520672	34.60	ng	# 84
77) Pyrene	12.67	202	216002	8.95	ng	# 86

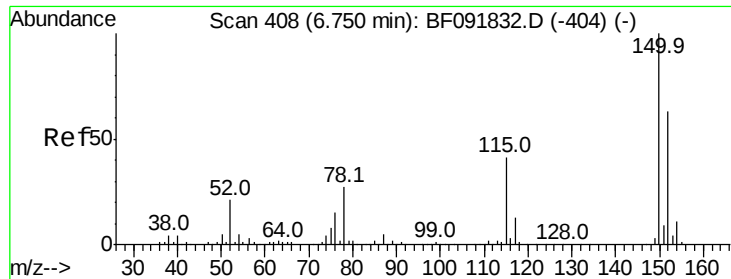
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF092028.D

Acq: 29 Dec 2016 17:09

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916DL

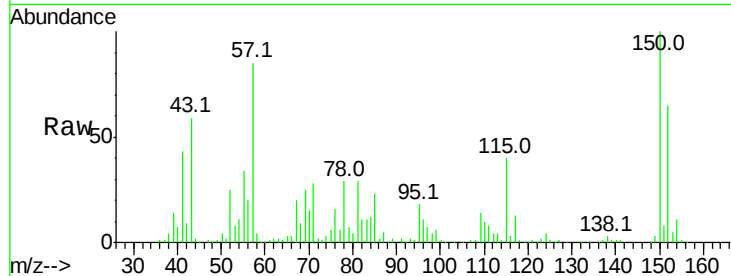
Tot Ion:152 Resp: 177971

Ion Ratio Lower Upper

152 100

150 154.5 124.9 187.3

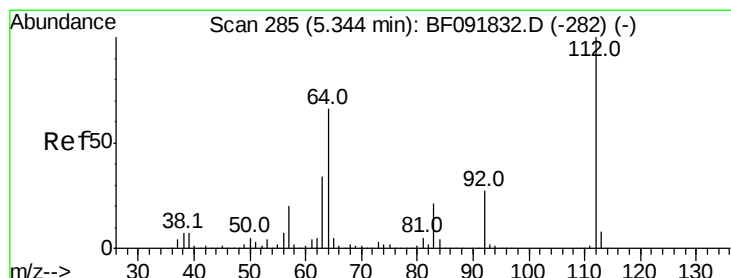
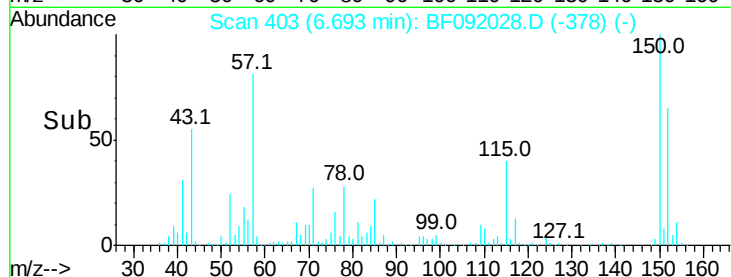
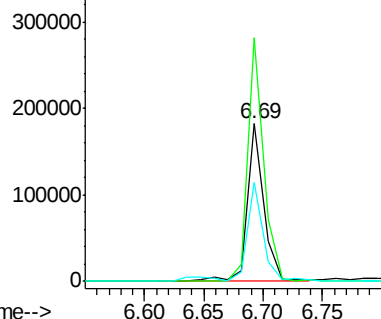
115 62.4 46.0 69.0



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: 23.76 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF092028.D

Acq: 29 Dec 2016 17:09

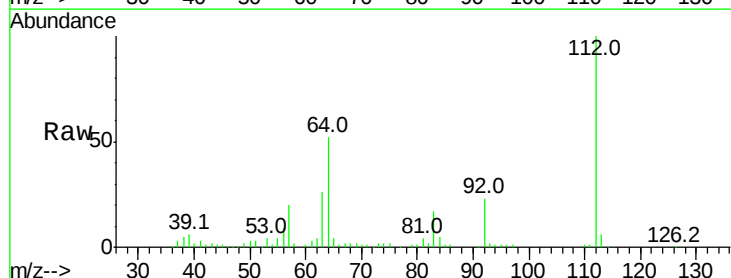
Tgt Ion:112 Resp: 253198

Ion Ratio Lower Upper

112 100

64 52.2 46.1 69.1

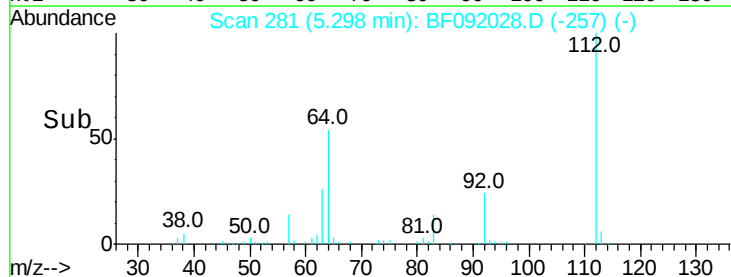
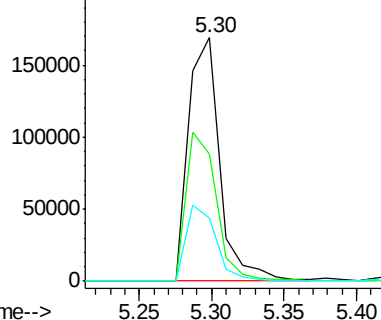
63 25.7 23.8 35.6

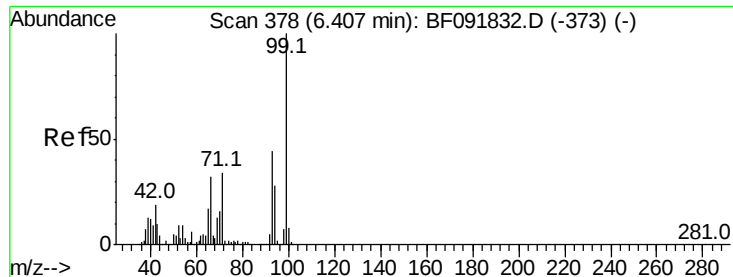


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.78 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.03 min

Lab File: BF092028.D

Acq: 29 Dec 2016 17:09

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916DL

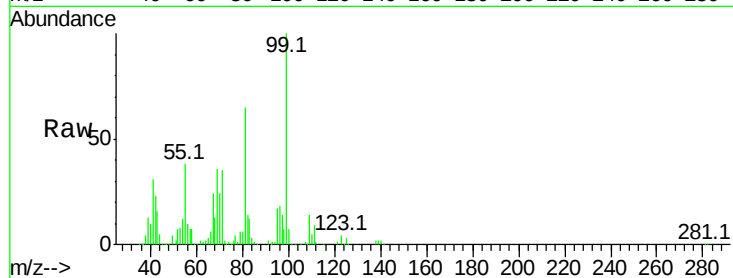
Tot Ion: 99 Resp: 322506

Ion Ratio Lower Upper

99 100

42 23.0 15.6 23.4

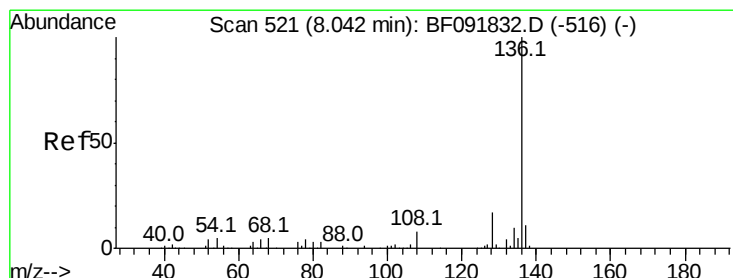
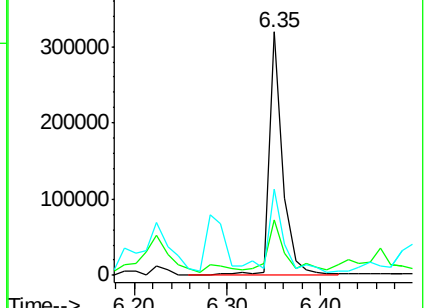
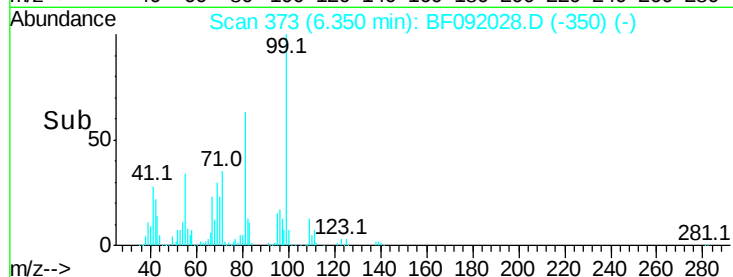
71 35.5 27.5 41.3



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# 517

Delta R.T. -0.00 min

Lab File: BF092028.D

Acq: 29 Dec 2016 17:09

Tgt Ion: 136 Resp: 484376

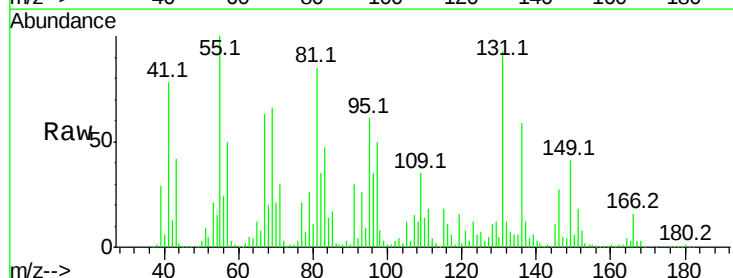
Ion Ratio Lower Upper

136 100

137 20.9 8.4 12.6#

54 26.2 4.5 6.7#

68 34.6 3.6 5.4#

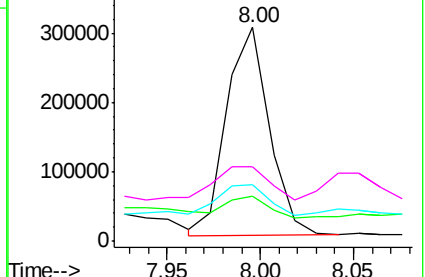
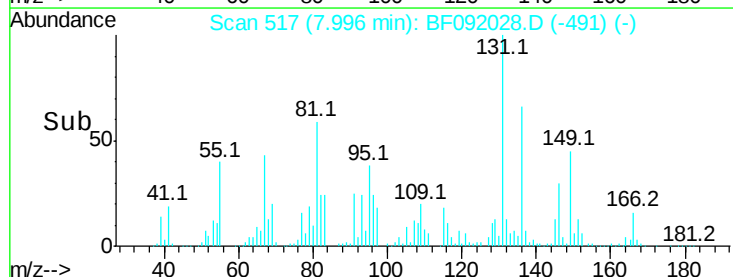


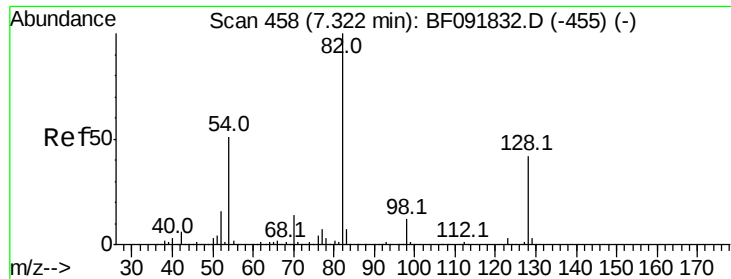
Abundance Ion 136.00 (135.70 to 136.70): E

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

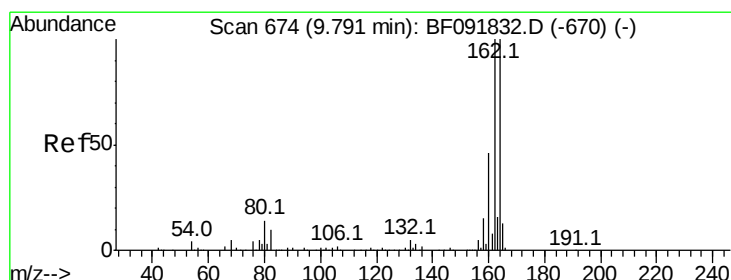
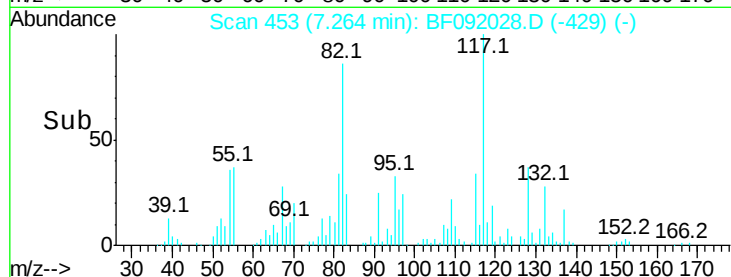
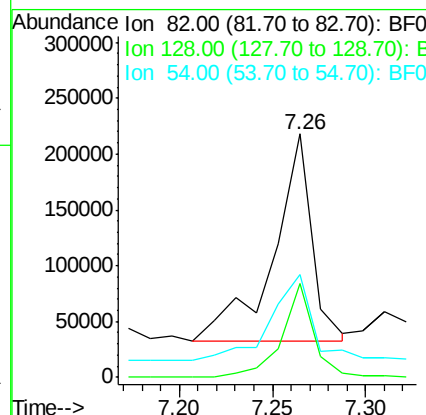
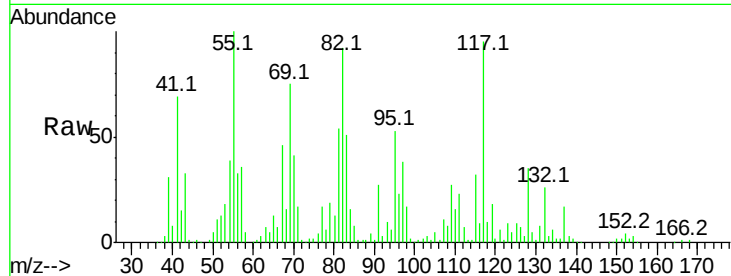




#23
 Nitrobenzene-d5
 Concen: 30.66 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: BF092028.D
 Acq: 29 Dec 2016 17:09

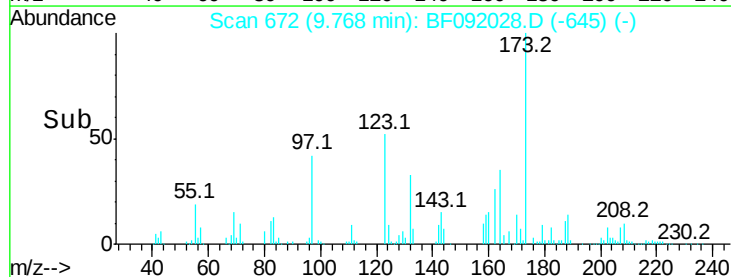
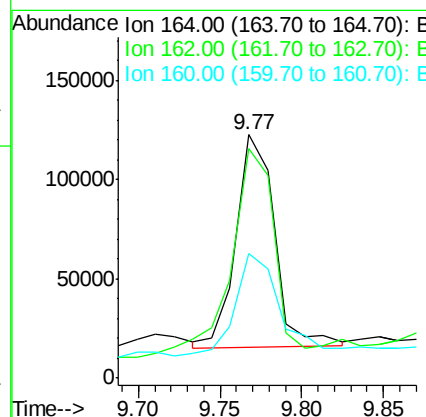
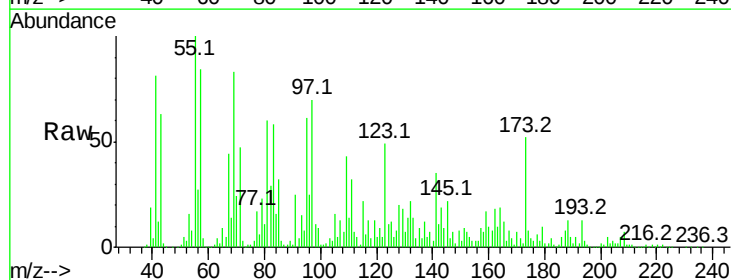
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(6-8)-121916DL

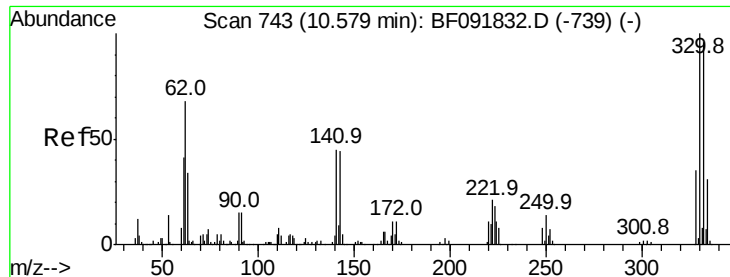
Tot Ion	82	Resp	267110
Ion Ratio	100	Lower	Upper
128	38.3	34.6	52.0
54	42.1	39.5	59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: BF092028.D
 Acq: 29 Dec 2016 17:09

Tgt Ion	164	Resp	175878
Ion Ratio	100	Lower	Upper
162	94.2	80.2	120.2
160	51.1	36.9	55.3

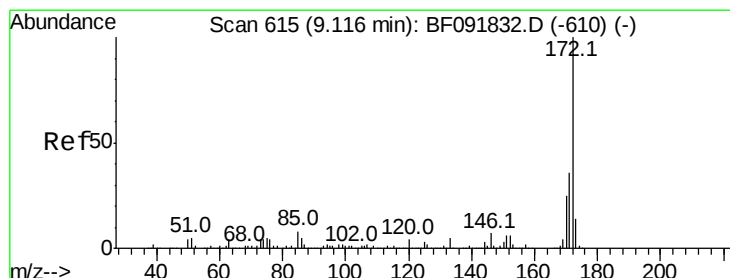
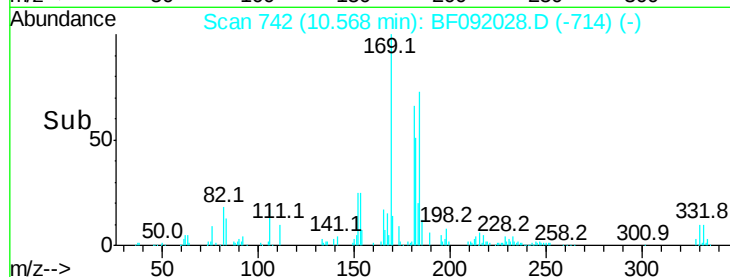
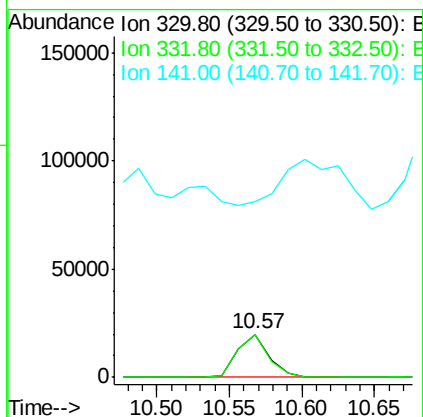
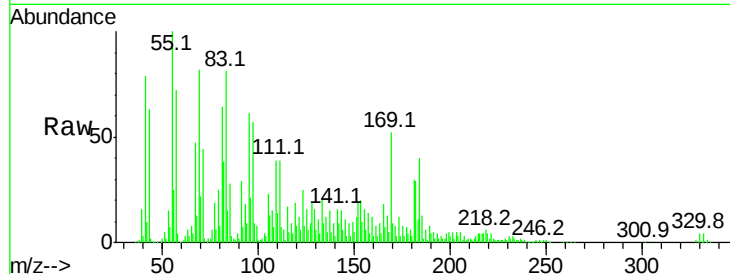




#41
2,4,6-Tribromophenol
Concen: 20.95 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.02 min
Lab File: BF092028.D
Acq: 29 Dec 2016 17:09

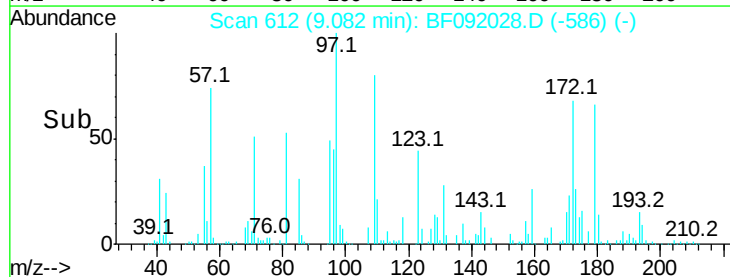
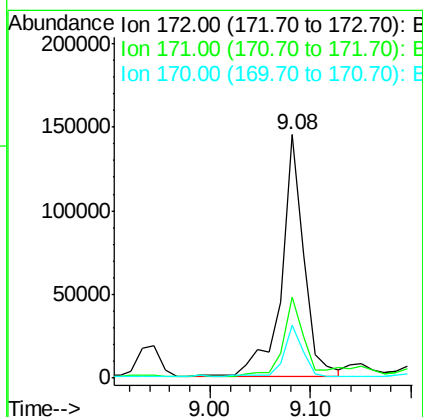
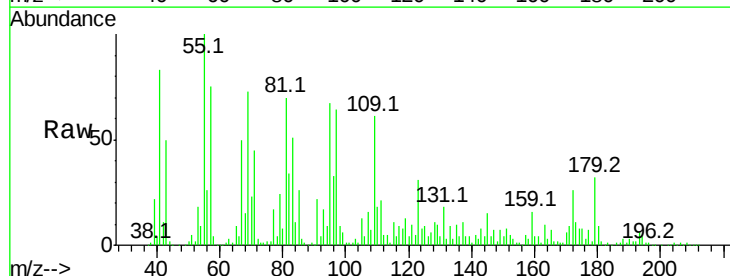
Instrument :
BNA_F
ClientSampleId :
SB-52(6-8)-121916DL

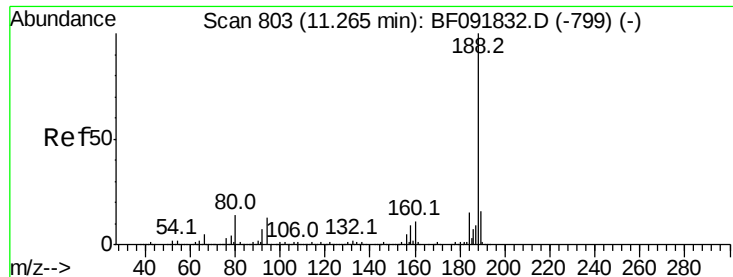
Tot Ion:330 Resp: 30496
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.2
141 0.0 34.1 51.1#



#44
2-Fluorobiphenyl
Concen: 15.16 ng
RT: 9.08 min Scan# 612
Delta R.T. -0.00 min
Lab File: BF092028.D
Acq: 29 Dec 2016 17:09

Tgt Ion:172 Resp: 221119
Ion Ratio Lower Upper
172 100
171 33.3 29.4 44.0
170 21.9 20.2 30.4

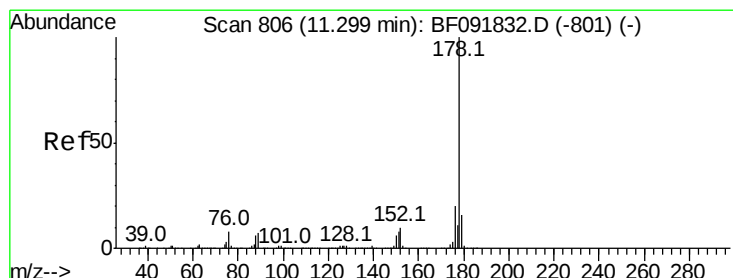
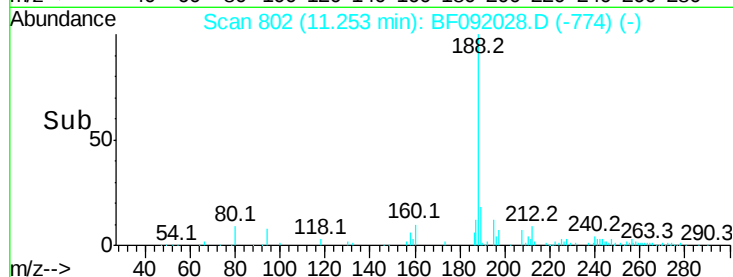
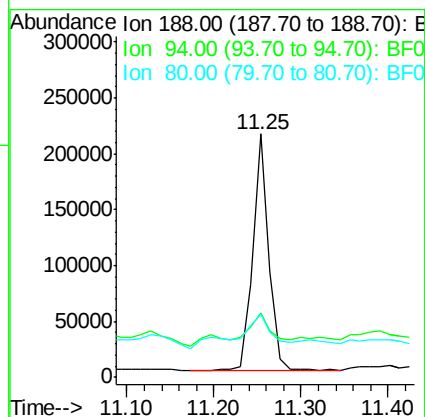
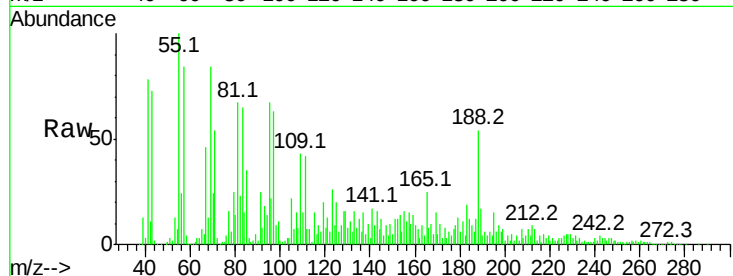




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.02 min
Lab File: BF092028.D
Acq: 29 Dec 2016 17:09

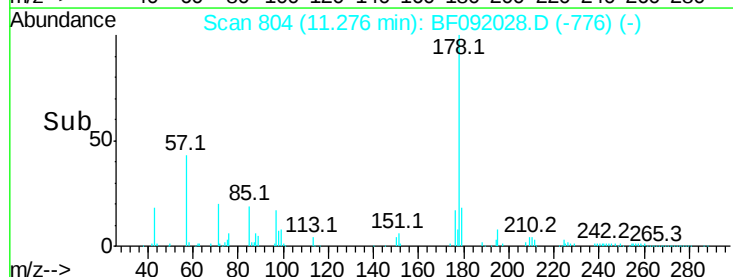
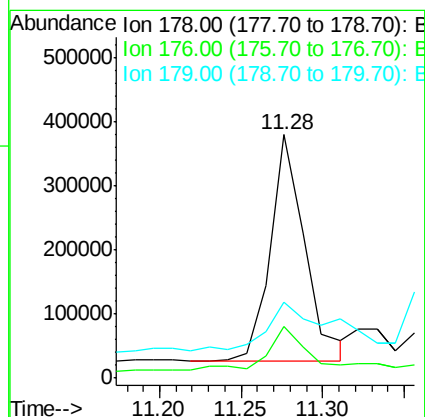
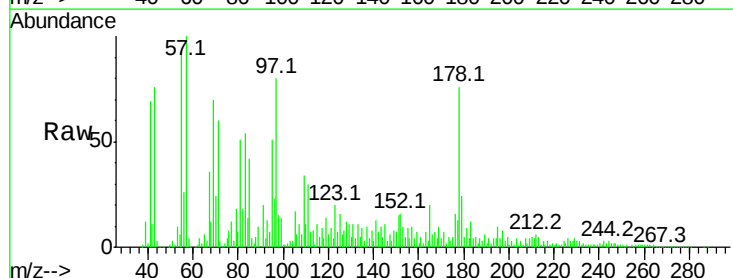
Instrument :
BNA_F
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SB-52(6-8)-121916DL

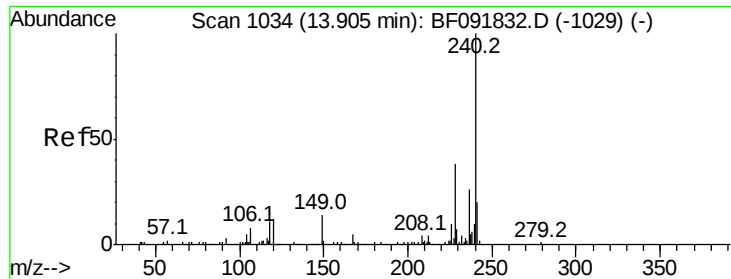
Tot Ion:188 Resp: 277533
Ion Ratio Lower Upper
188 100
94 26.6 10.0 15.0#
80 25.9 11.2 16.8#



#70
Phenanthrene
Concen: 34.60 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.02 min
Lab File: BF092028.D
Acq: 29 Dec 2016 17:09

Tgt Ion:178 Resp: 520672
Ion Ratio Lower Upper
178 100
176 21.1 16.6 25.0
179 31.3 12.8 19.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF092028.D

Acq: 29 Dec 2016 17:09

Instrument :

BNA_F

ClientSampleId :

SB-52(6-8)-121916DL

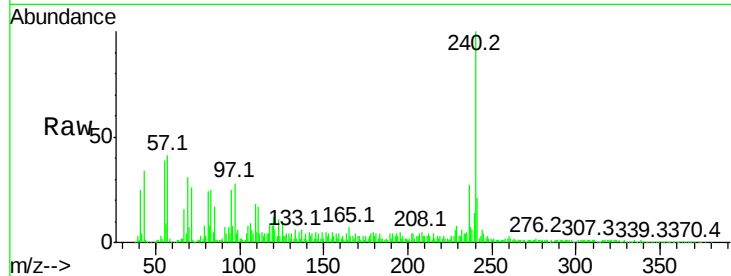
Tot Ion:240 Resp: 329111

Ion Ratio Lower Upper

240 100

120 12.2 12.9 19.3#

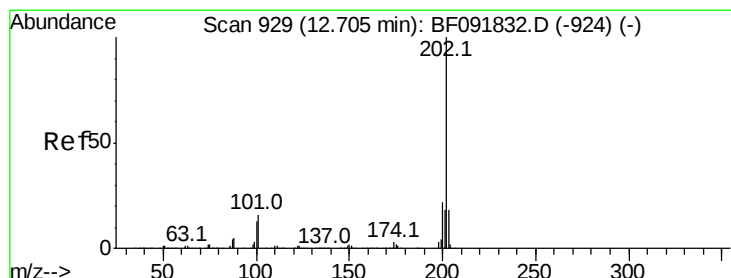
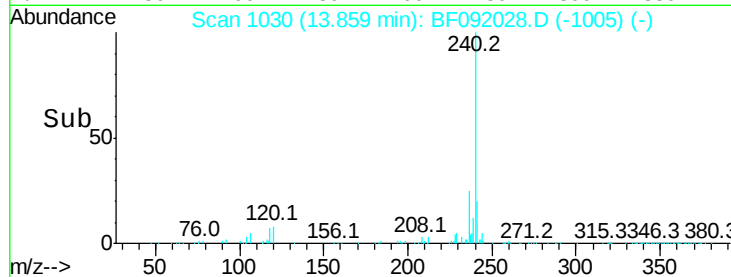
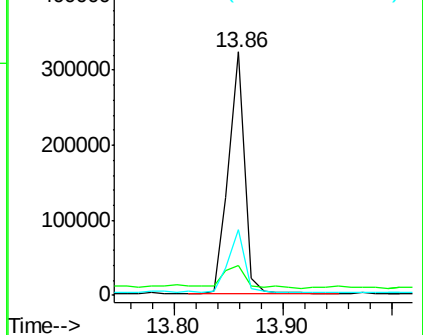
236 26.9 20.9 31.3



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: 8.95 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF092028.D

Acq: 29 Dec 2016 17:09

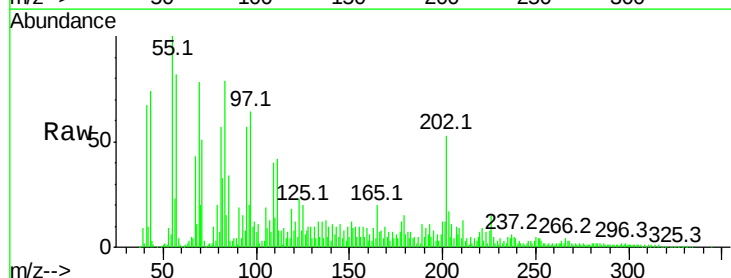
Tgt Ion:202 Resp: 216002

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

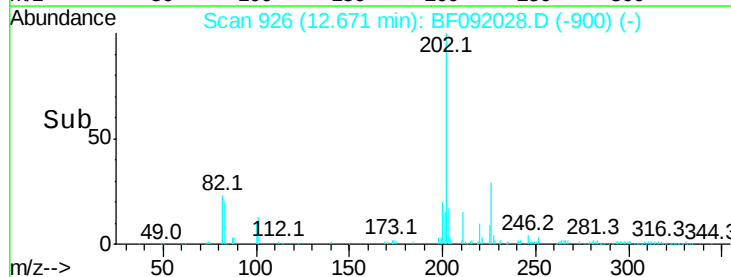
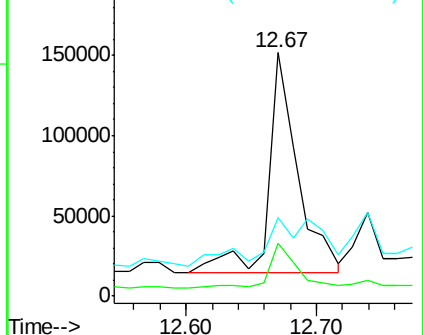
203 32.0 14.7 22.1#

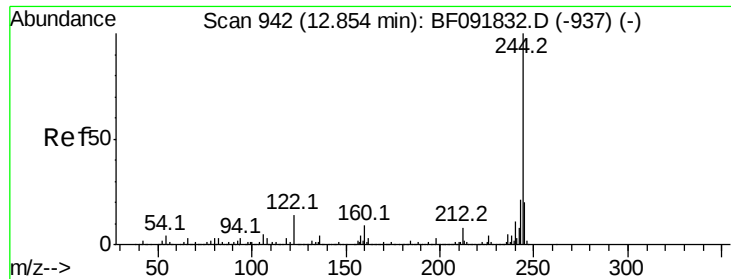


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.58 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF092028.D

Acq: 29 Dec 2016 17:09

Instrument :

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SB-52(6-8)-121916DL

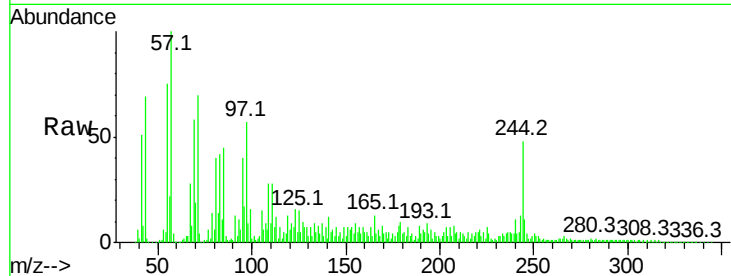
Tot Ion:244 Resp: 184250

Ion Ratio Lower Upper

244 100

212 8.7 6.2 9.2

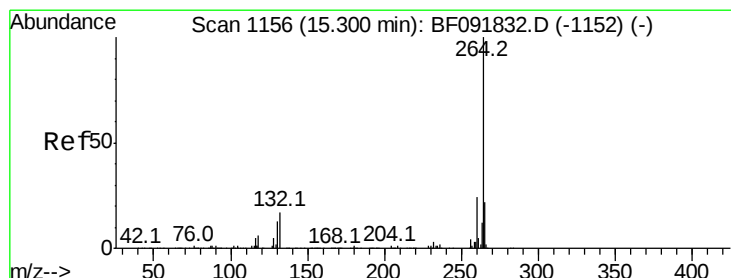
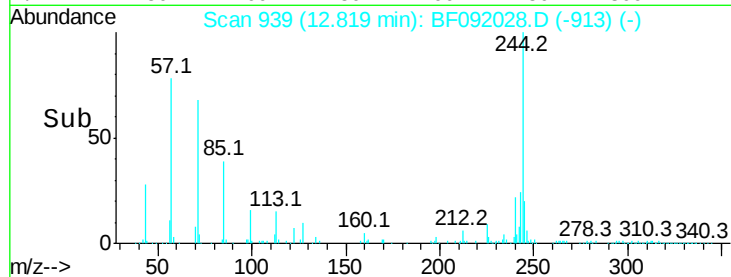
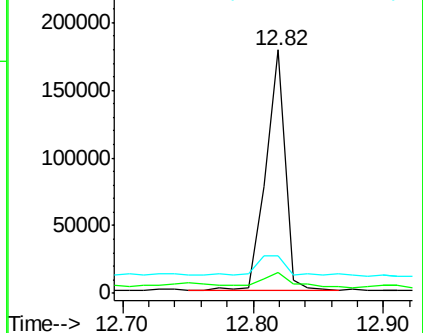
122 15.4 11.4 17.2



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: 15.23 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BF092028.D

Acq: 29 Dec 2016 17:09

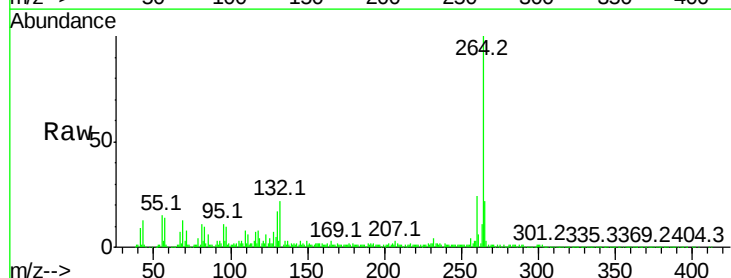
Tgt Ion:264 Resp: 337141

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.4 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

