

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102950.D
 Acq On : 13 Feb 2018 5:26
 Operator : SJ/JU
 Sample : J1519-06 20X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 06:15:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

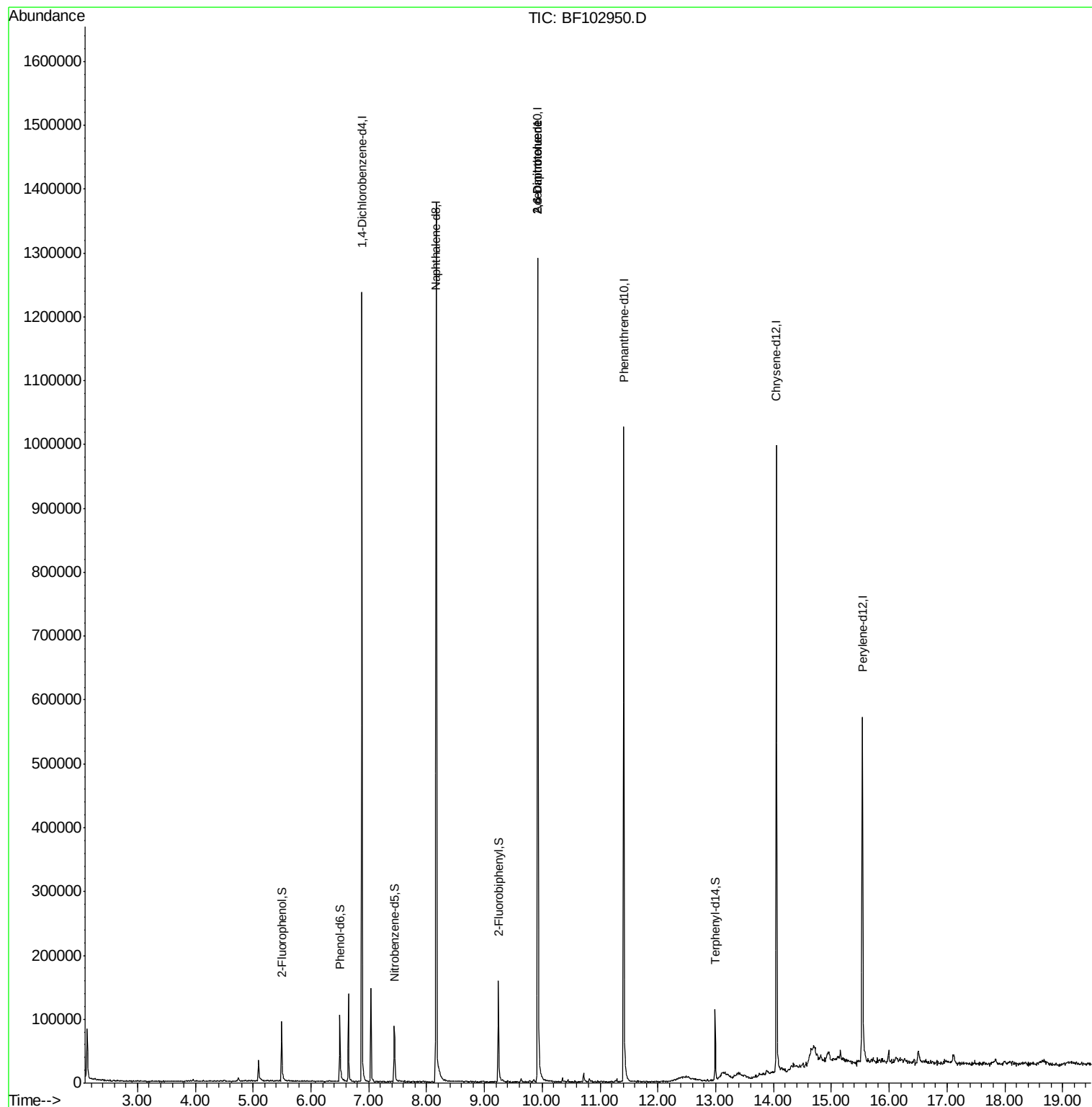
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	166750	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	667305	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	263925	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	373172	20.00	ng	0.00
75) Chrysene-d12	14.05	240	316126	20.00	ng	0.00
86) Perylene-d12	15.54	264	264379	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	28952	2.64	ng	0.00
7) Phenol-d6	6.50	99	40249	3.04	ng	0.00
23) Nitrobenzene-d5	7.44	82	32926	3.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	2344	1.10	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	61472	3.86	ng	0.00
78) Terphenyl-d14	12.99	244	39806	2.98	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	9.92	165	32577	8.32	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	32753	8.91	ng	# 23

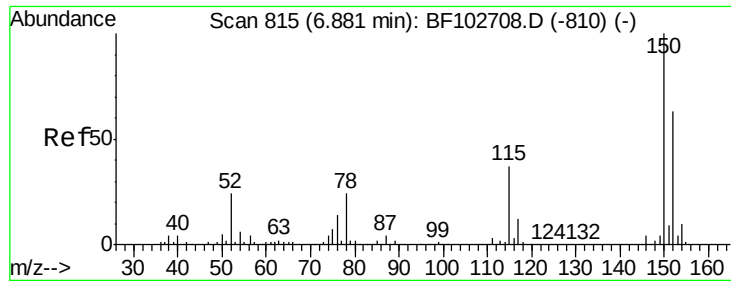
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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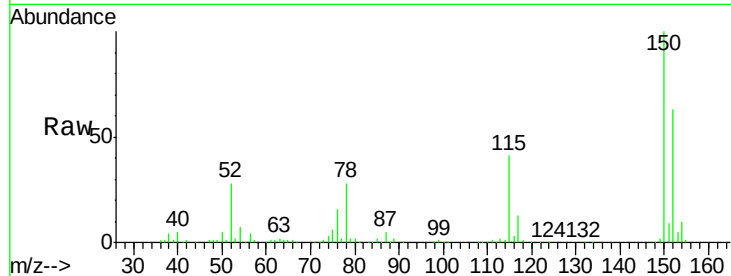


#1

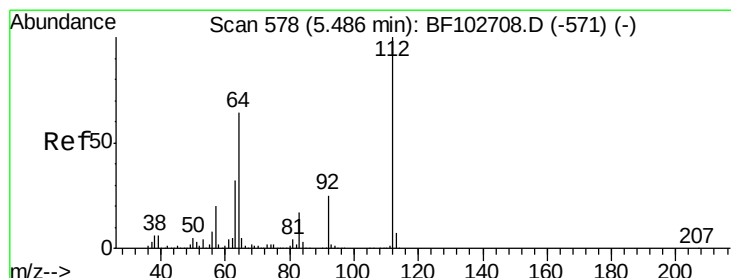
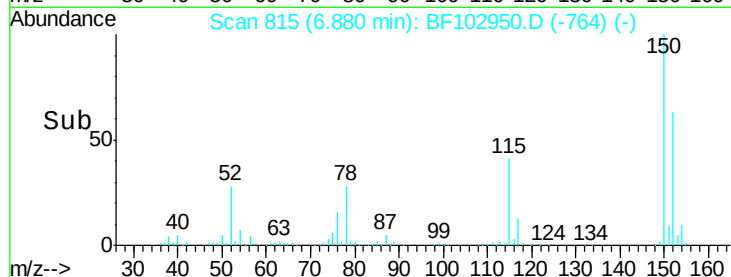
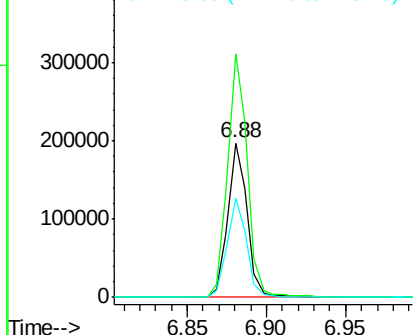
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102950.D
Acq: 13 Feb 2018 5:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166750
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 64.3 50.1 75.1



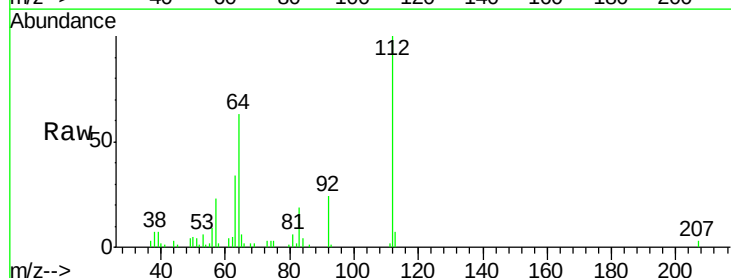
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



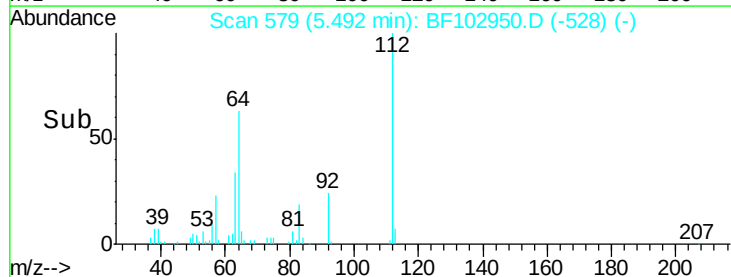
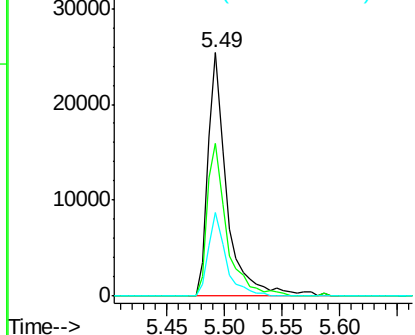
#5

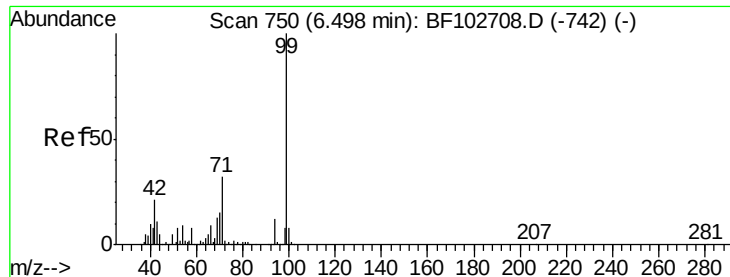
2-Fluorophenol
Concen: 2.64 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102950.D
Acq: 13 Feb 2018 5:26

Tgt Ion:112 Resp: 28952
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 34.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 3.04 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102950.D

Acq: 13 Feb 2018 5:26

Instrument :

BNA_F

ClientSampled :

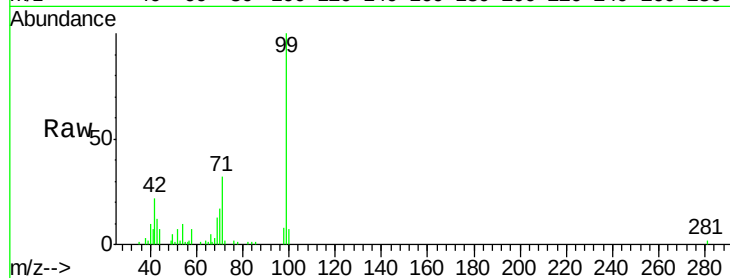
Tot Ion: 99 Resp: 40249

Ion Ratio Lower Upper

99 100

42 22.3 14.5 21.7#

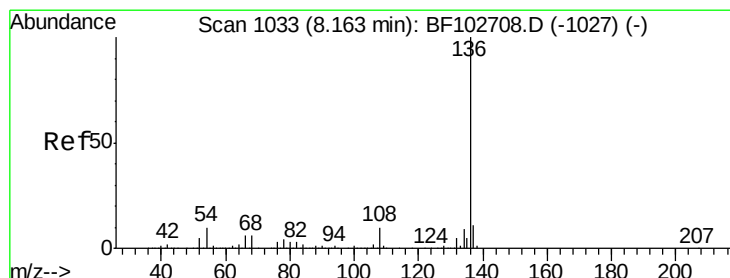
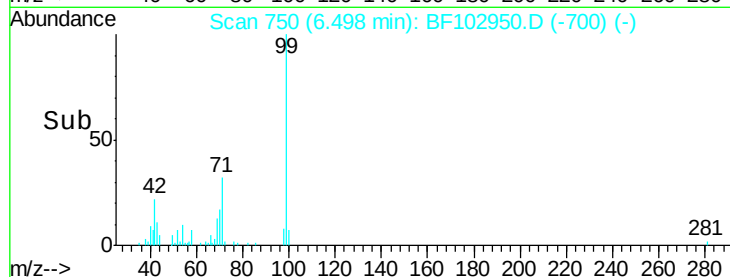
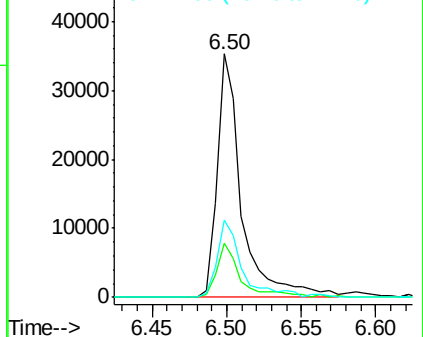
71 31.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102950.D

Acq: 13 Feb 2018 5:26

Tgt Ion: 136 Resp: 667305

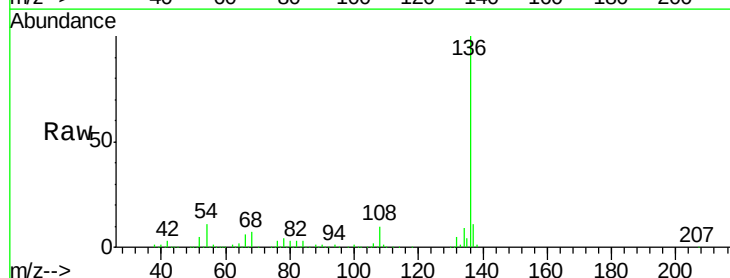
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 10.6 6.6 9.8#

68 7.1 5.0 7.4

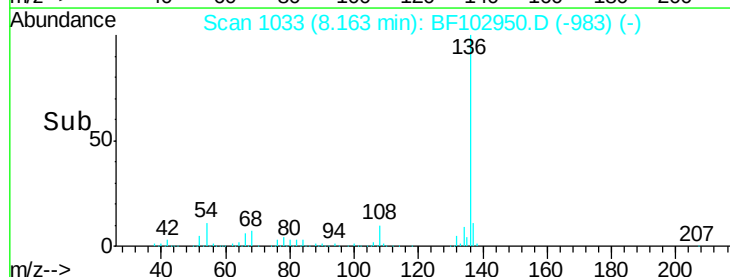
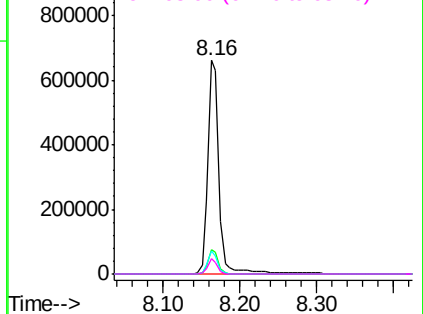


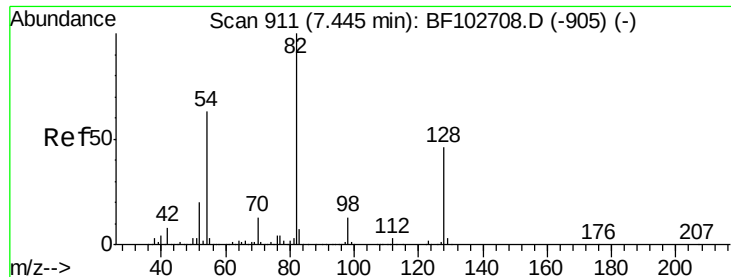
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

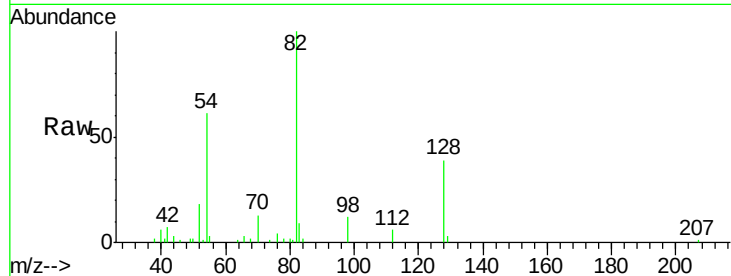




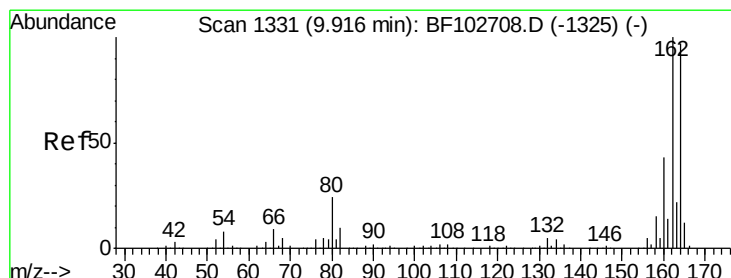
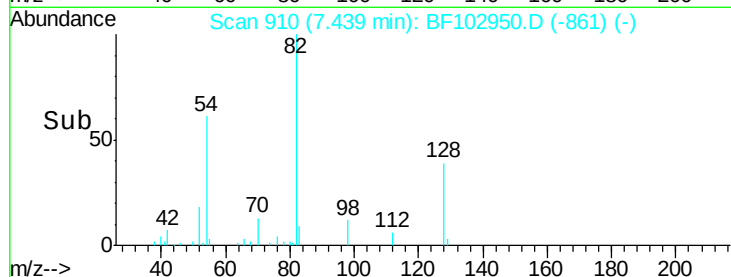
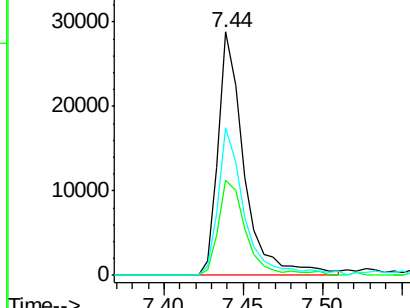
#23
Nitrobenzene-d5
Concen: 3.42 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102950.D
Acq: 13 Feb 2018 5:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	32926
Ion Ratio	100	Lower	Upper
128	39.1	36.1	54.1
54	60.5	41.4	62.2

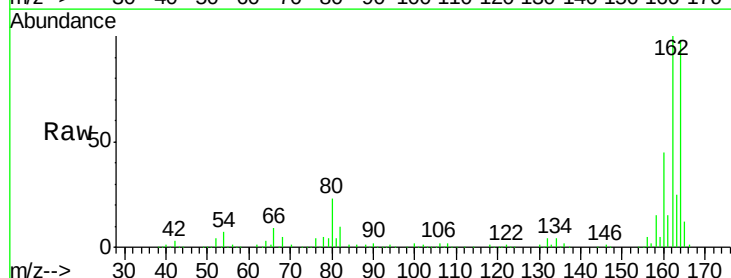


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

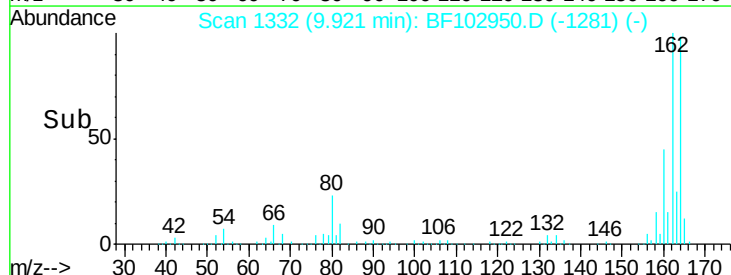
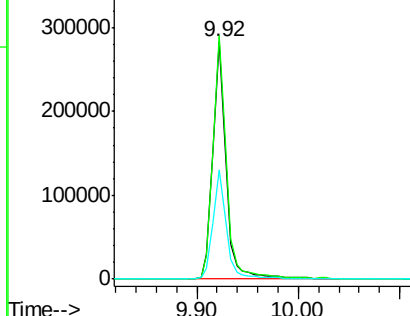


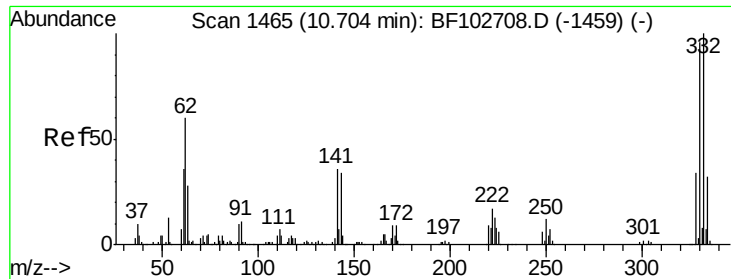
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102950.D
Acq: 13 Feb 2018 5:26

Tgt Ion	164	Resp	263925
Ion Ratio	100	Lower	Upper
162	102.5	86.1	129.1
160	45.8	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 1.10 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102950.D

Acq: 13 Feb 2018 5:26

Instrument :

BNA_F

ClientSampled :

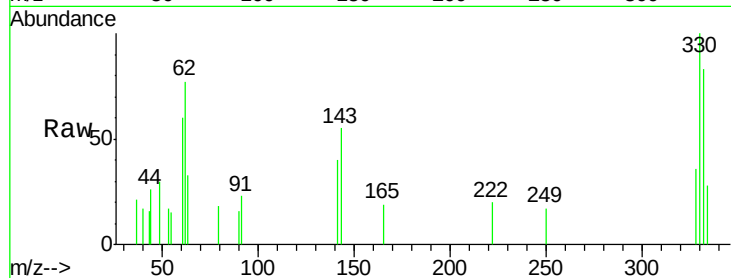
Tot Ion:330 Resp: 2344

Ion Ratio Lower Upper

330 100

332 93.6 77.0 115.6

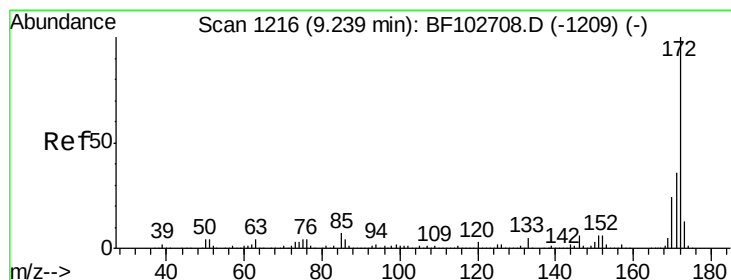
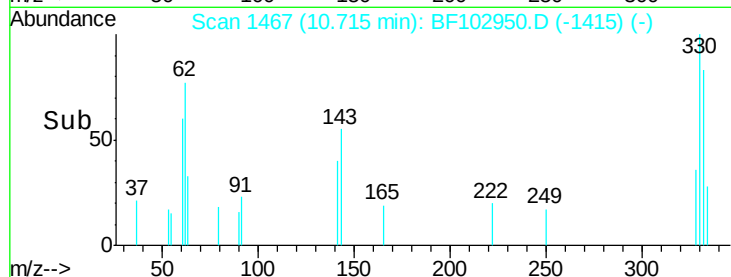
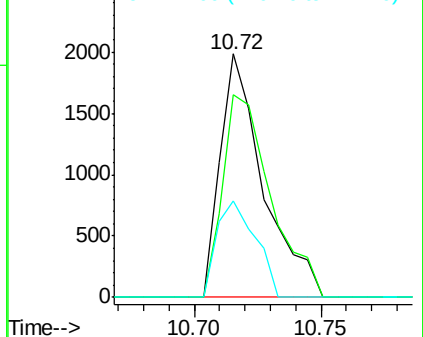
141 35.5 29.9 44.9



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: 3.86 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102950.D

Acq: 13 Feb 2018 5:26

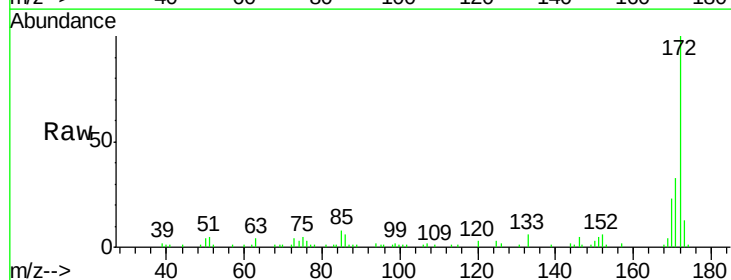
Tgt Ion:172 Resp: 61472

Ion Ratio Lower Upper

172 100

171 32.9 29.7 44.5

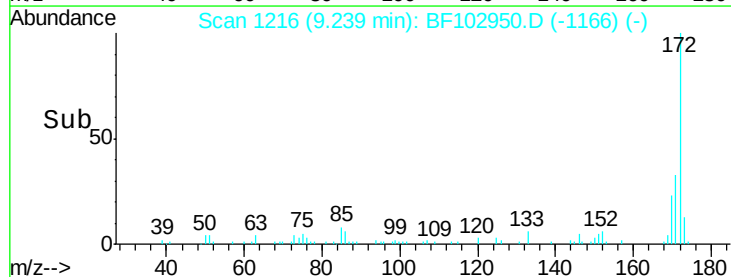
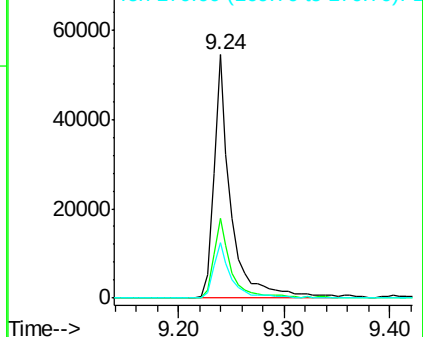
170 22.8 19.6 29.4

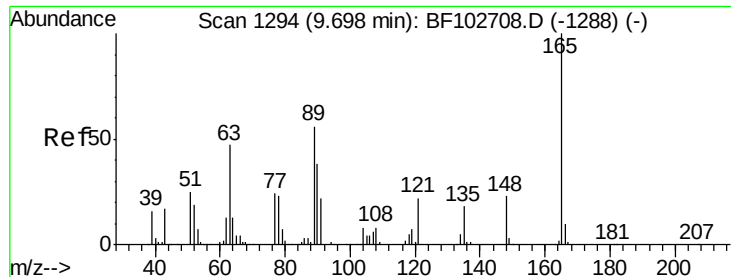


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

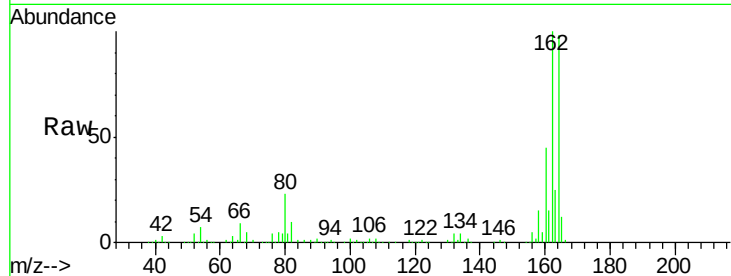




#50
 2,6-Dinitrotoluene
 Concen: 8.32 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102950.D
 Acq: 13 Feb 2018 5:26

Instrument :
 BNA_F
 ClientSampleId :

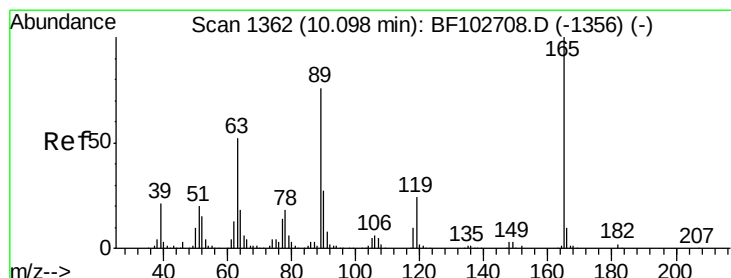
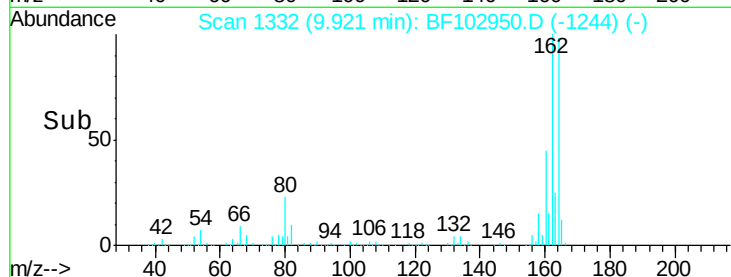
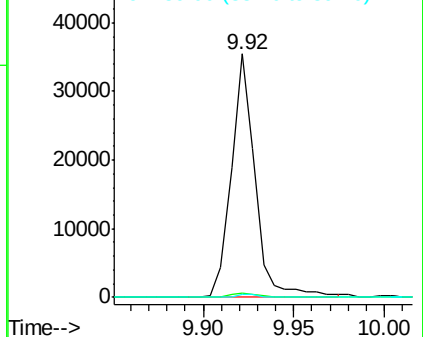
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 8.91 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102950.D
 Acq: 13 Feb 2018 5:26

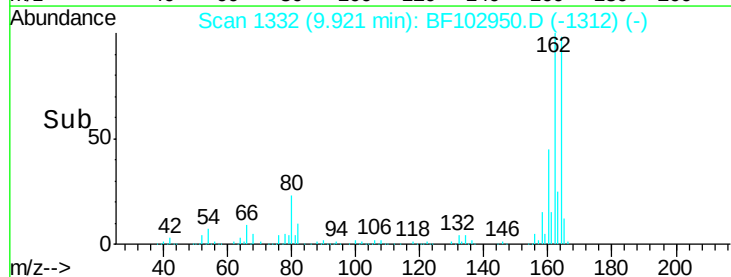
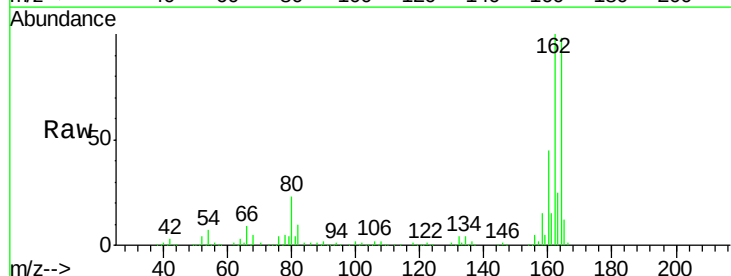
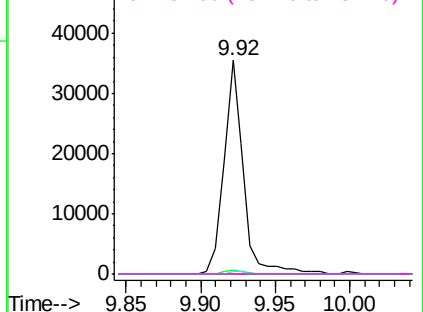
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

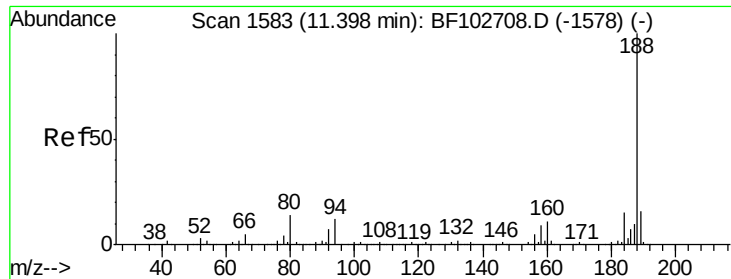
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102950.D

Acq: 13 Feb 2018 5:26

Instrument :

BNA_F

ClientSampleId :

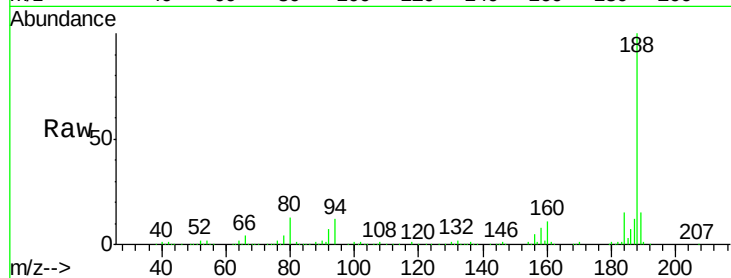
Tot Ion:188 Resp: 373172

Ion Ratio Lower Upper

188 100

94 11.8 8.5 12.7

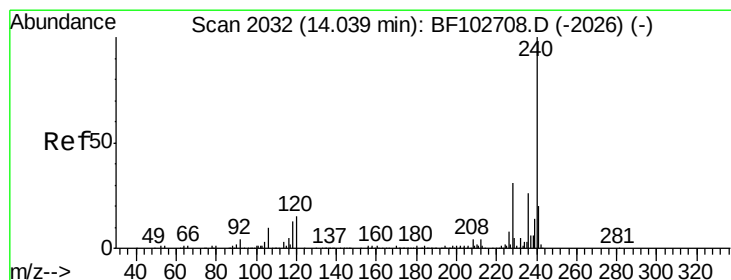
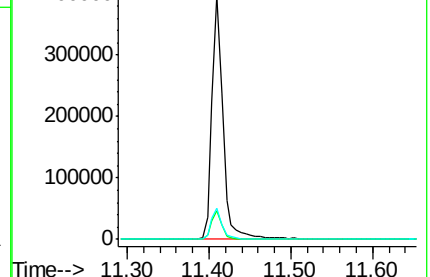
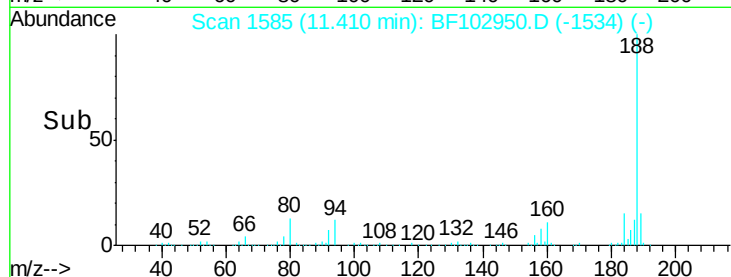
80 12.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102950.D

Acq: 13 Feb 2018 5:26

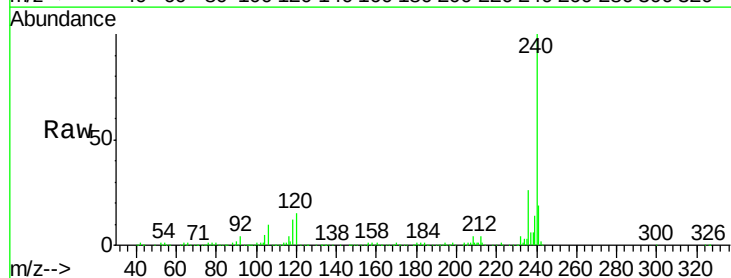
Tgt Ion:240 Resp: 316126

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

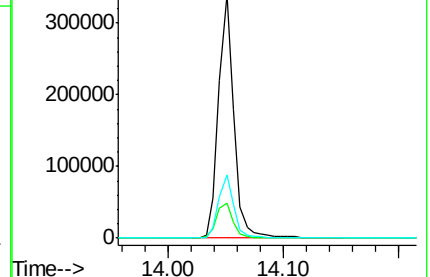
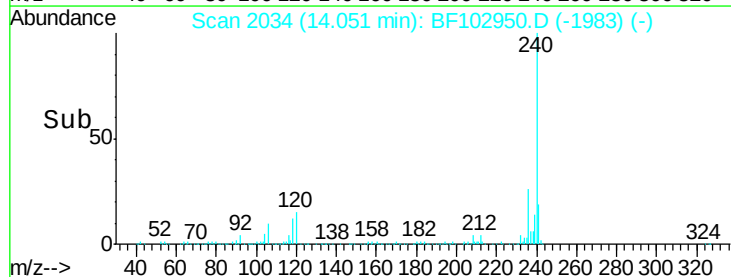
236 25.8 20.7 31.1

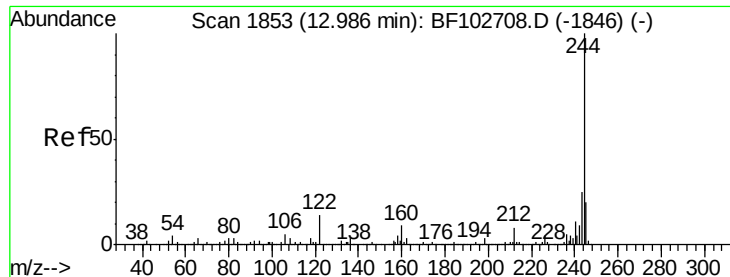


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 2.98 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102950.D

Acq: 13 Feb 2018 5:26

Instrument :

BNA_F

ClientSampled :

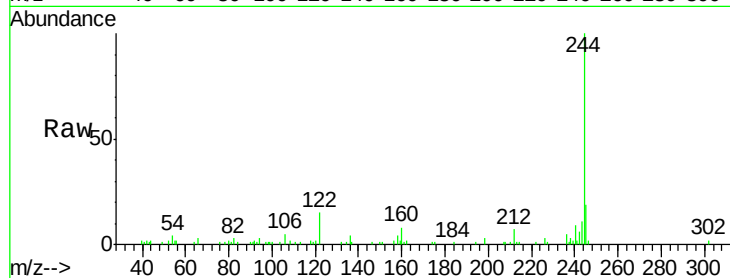
Tot Ion:244 Resp: 39806

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

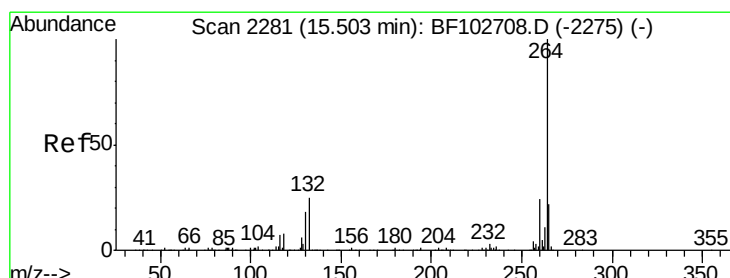
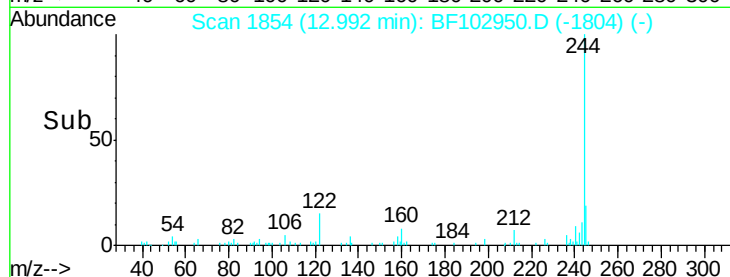
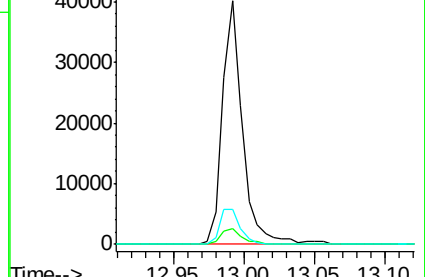
122 14.5 11.0 16.4



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: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102950.D

Acq: 13 Feb 2018 5:26

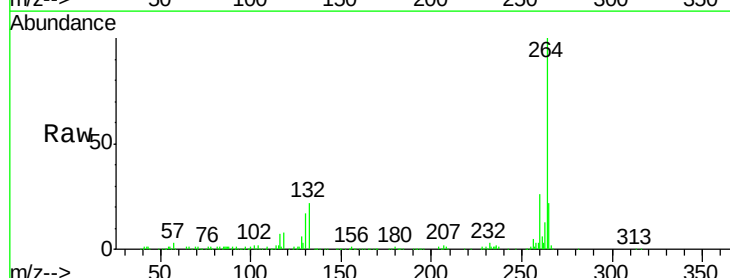
Tgt Ion:264 Resp: 264379

Ion Ratio Lower Upper

264 100

260 25.7 19.2 28.8

265 22.0 17.5 26.3



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

