

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070620\
 Data File : BN011100.D
 Acq On : 06 Jul 2020 10:36
 Operator : CG/JU
 Sample : PB129902BL
 Misc : MDL-SOIL-PBBL-05
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129902BL

Quant Time: Jul 06 11:11:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 06 10:52:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	1952	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	5857	0.40	ng	0.01
13) Acenaphthene-d10	14.14	164	3104	0.40	ng	0.01
19) Phenanthrene-d10	16.91	188	6318	0.40	ng	0.02
29) Chrysene-d12	21.11	240	5521	0.40	ng	0.01
36) Perylene-d12	23.25	264	5740	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	1299	0.27	ng	0.00
5) Phenol-d6	6.74	99	1206	0.22	ng	0.02
8) Nitrobenzene-d5	8.68	82	1563	0.31	ng	0.03
11) 2-Methylnaphthalene-d10	11.88	152	3721	0.37	ng	0.02
14) 2,4,6-Tribromophenol	15.68	330	283	0.22	ng	0.04
15) 2-Fluorobiphenyl	12.77	172	4295	0.29	ng	0.03
27) Fluoranthene-d10	18.94	212	7596	0.40	ng	0.00
31) Terphenyl-d14	19.55	244	5397	0.38	ng	0.00

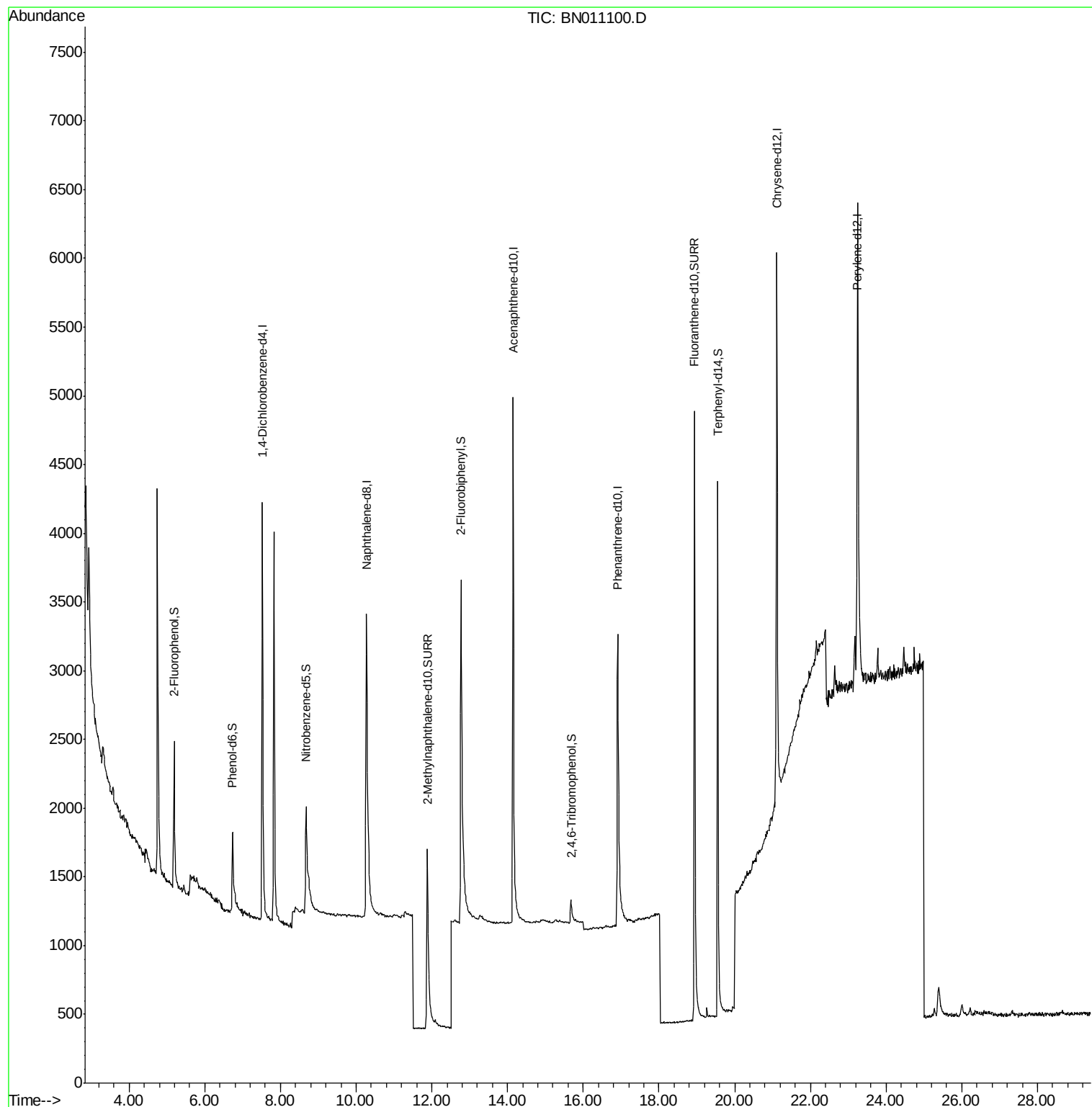
Target Compounds	Qvalue
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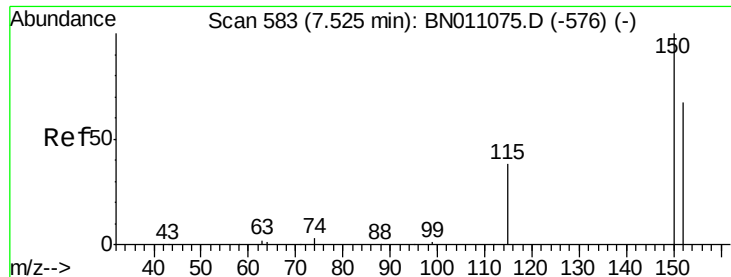
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 06 11:11:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
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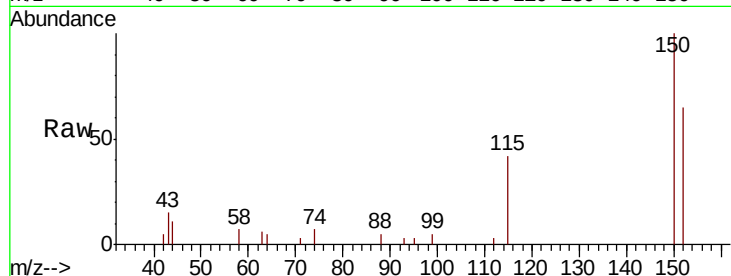


#1

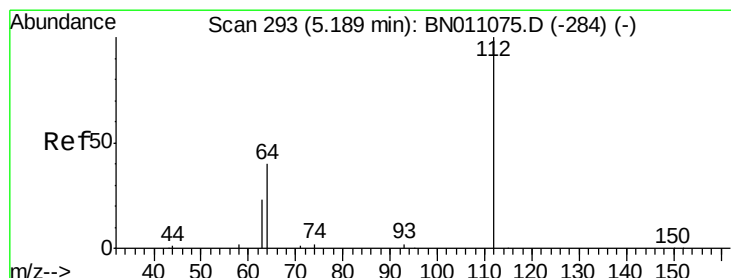
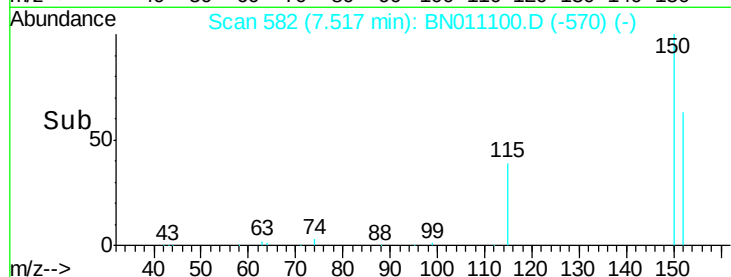
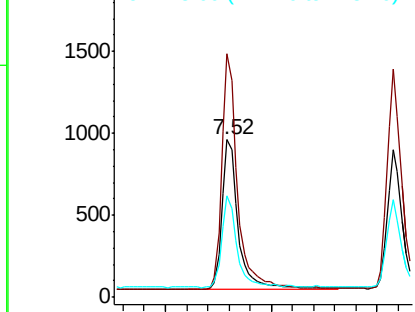
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. -0.00 min
Lab File: BN011100.D
Acq: 06 Jul 2020 10:36

Instrument :
BNA_N
ClientSampleId :
PB129902BL

Tot Ion:152 Resp: 1952
Ion Ratio Lower Upper
152 100
150 154.4 117.4 176.0
115 64.3 47.9 71.9



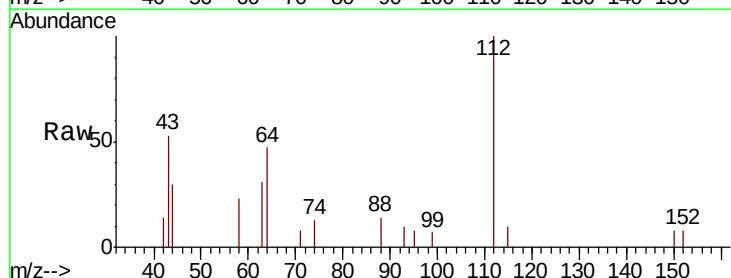
Abundance Ion 152.00 (151.70 to 152.70): E
2000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



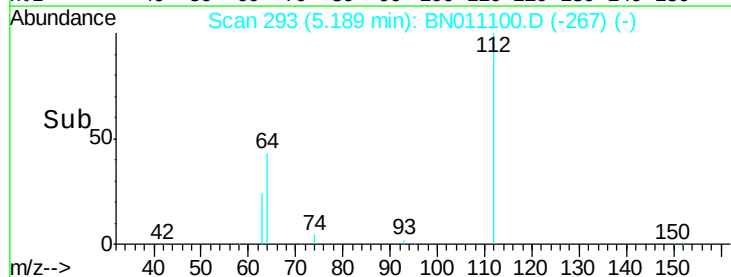
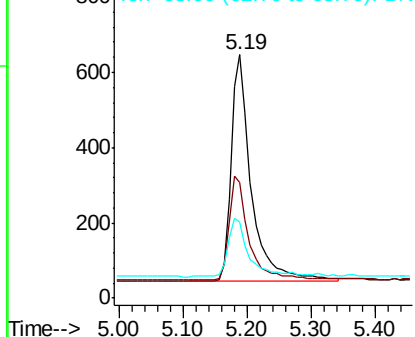
#4

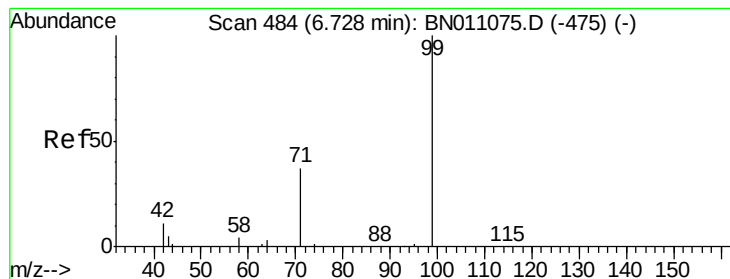
2-Fluorophenol
Concen: 0.267 ng
RT: 5.19 min Scan# 293
Delta R.T. 0.01 min
Lab File: BN011100.D
Acq: 06 Jul 2020 10:36

Tgt Ion:112 Resp: 1299
Ion Ratio Lower Upper
112 100
64 45.3 36.5 54.7
63 26.2 20.6 30.8



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





#5

Phenol-d6

Concen: 0.216 ng

RT: 6.74 min Scan# 485

Delta R.T. 0.02 min

Lab File: BN011100.D

Acq: 06 Jul 2020 10:36

Instrument :

BNA_N

ClientSampleId :

PB129902BL

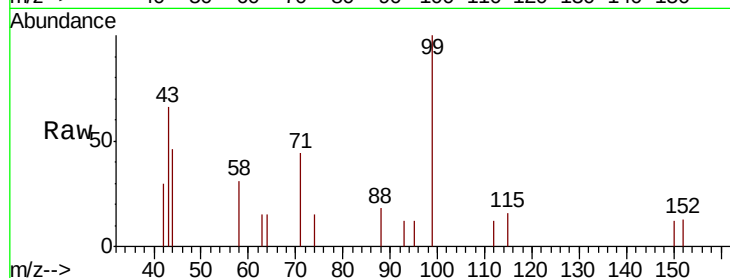
Tot Ion: 99 Resp: 1206

Ion Ratio Lower Upper

99 100

42 12.2 9.8 14.8

71 40.0 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011100.D (-475) (-)

Ion 42.00 (41.70 to 42.70): BN011100.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN011100.D (-475) (-)

6.74

400

300

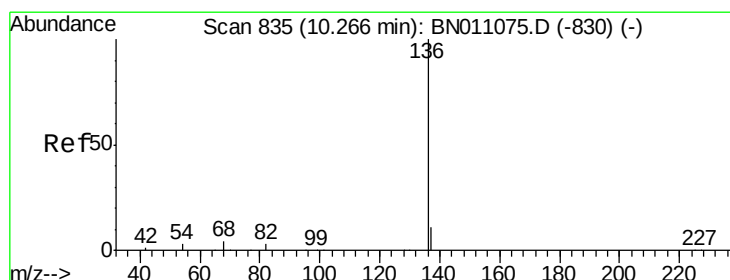
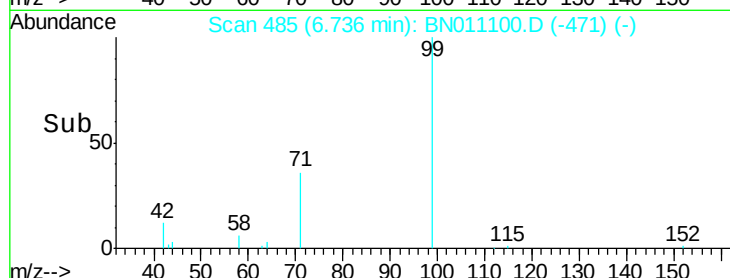
200

100

0

6.60 6.70 6.80 6.90

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.01 min

Lab File: BN011100.D

Acq: 06 Jul 2020 10:36

Tgt Ion: 136 Resp: 5857

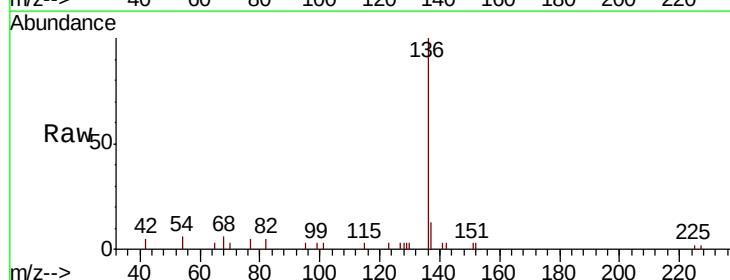
Ion Ratio Lower Upper

136 100

137 13.3 9.6 14.4

54 6.3 3.8 5.6#

68 6.3 4.3 6.5



Abundance Ion 136.00 (135.70 to 136.70): BN011100.D (-819) (-)

Ion 137.00 (136.70 to 137.70): BN011100.D (-819) (-)

Ion 54.00 (53.70 to 54.70): BN011100.D (-819) (-)

Ion 68.00 (67.70 to 68.70): BN011100.D (-819) (-)

10.28

2500

2000

1500

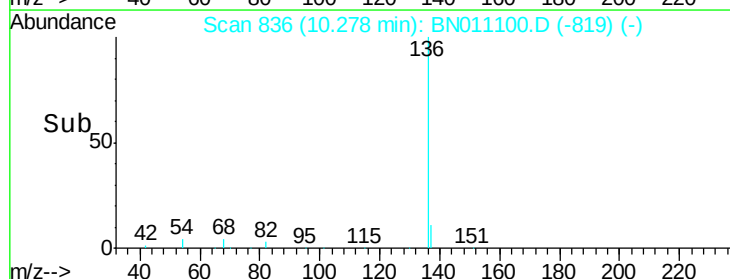
1000

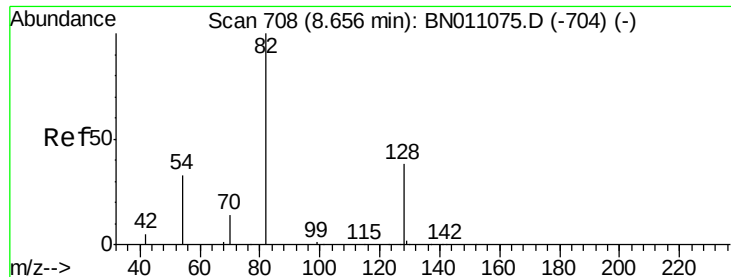
500

0

10.10 10.20 10.30 10.40

Time-->

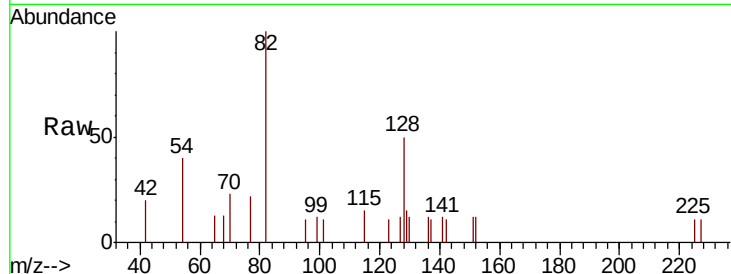




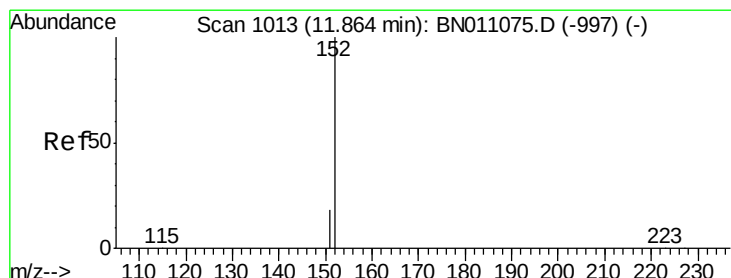
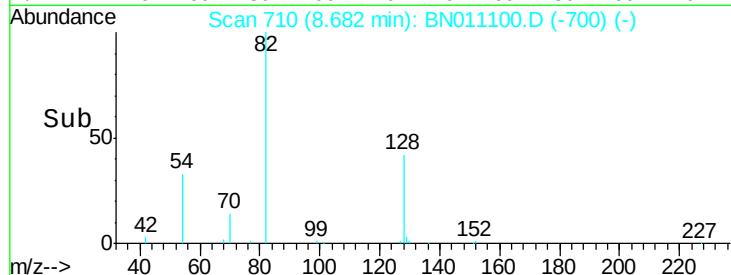
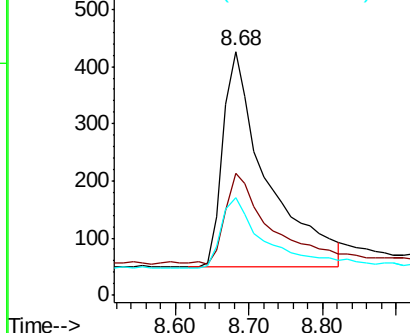
#8
 Nitrobenzene-d5
 Concen: 0.314 ng
 RT: 8.68 min Scan# 710
 Delta R.T. 0.03 min
 Lab File: BN011100.D
 Acq: 06 Jul 2020 10:36

Instrument :
 BNA_N
 ClientSampleId :
 PB129902BL

Tot Ion	82	Resp	1563
Ion Ratio	Lower	Upper	
82	100		
128	50.2	34.2	51.2
54	40.1	29.4	44.0

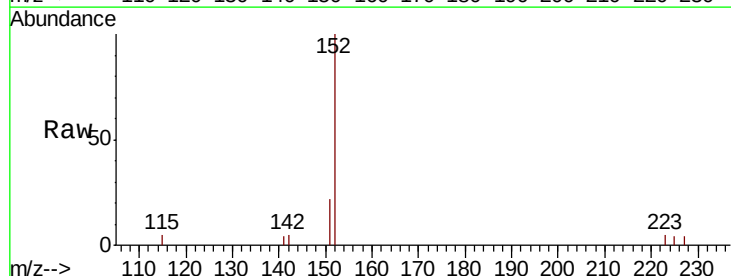


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

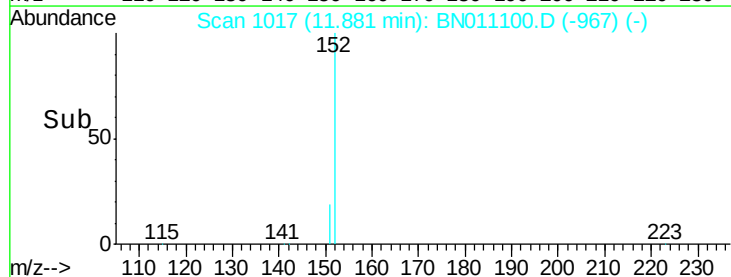
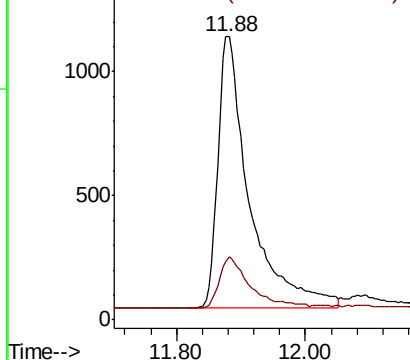


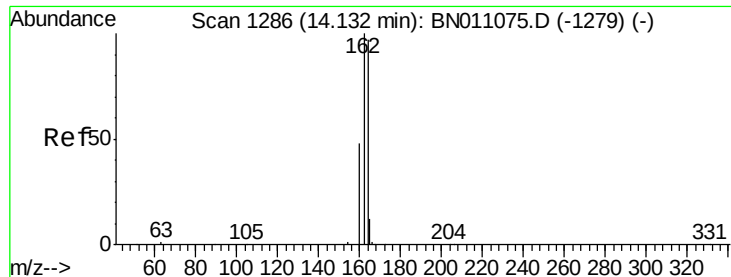
#11
 2-Methylnaphthalene-d10
 Concen: 0.367 ng
 RT: 11.88 min Scan# 1017
 Delta R.T. 0.02 min
 Lab File: BN011100.D
 Acq: 06 Jul 2020 10:36

Tgt Ion	152	Resp	3721
Ion Ratio	Lower	Upper	
152	100		
151	18.8	16.6	24.8



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011100.D

Acq: 06 Jul 2020 10:36

Instrument :

BNA_N

ClientSampleId :

PB129902BL

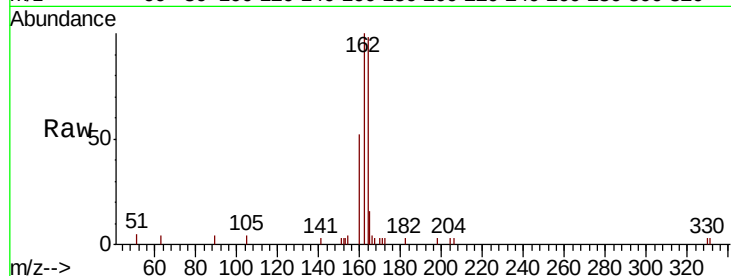
Tot Ion:164 Resp: 3104

Ion Ratio Lower Upper

164 100

162 101.6 82.3 123.5

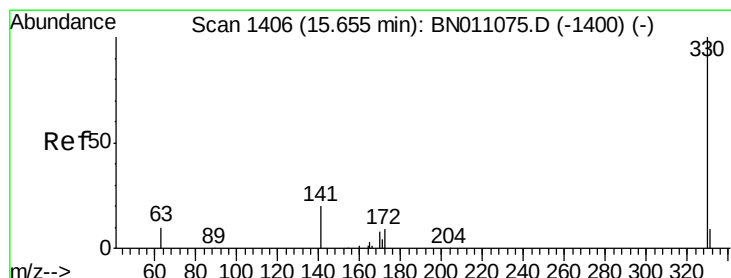
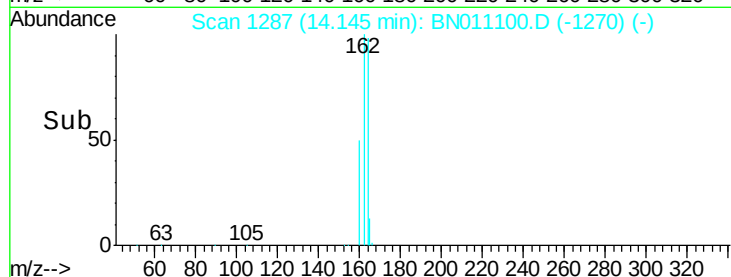
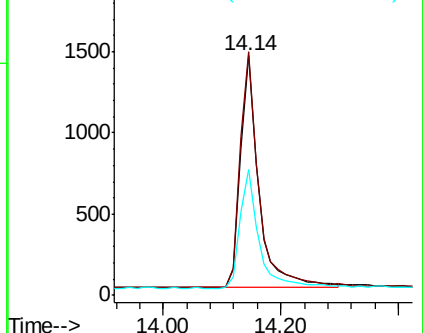
160 52.5 40.6 61.0



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



#14

2,4,6-Tribromophenol

Concen: 0.217 ng

RT: 15.68 min Scan# 1408

Delta R.T. 0.04 min

Lab File: BN011100.D

Acq: 06 Jul 2020 10:36

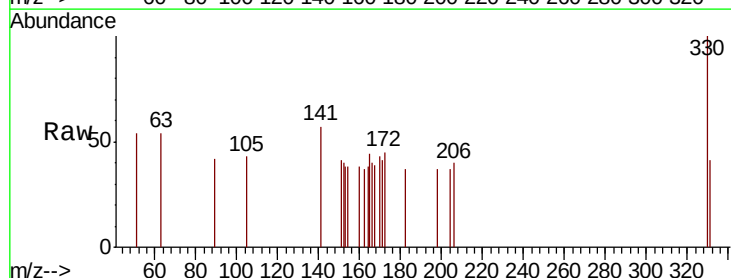
Tgt Ion:330 Resp: 283

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

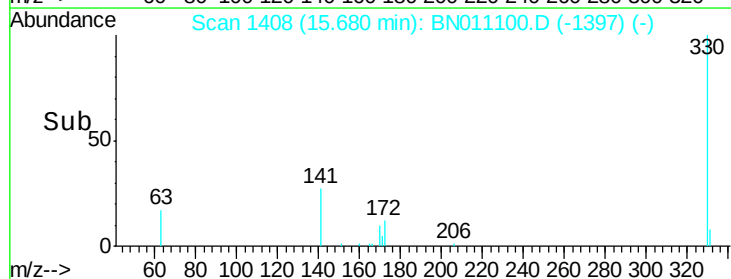
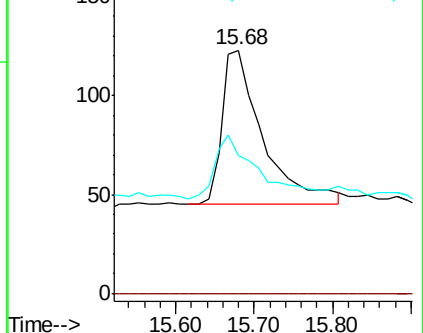
141 42.8 32.6 49.0

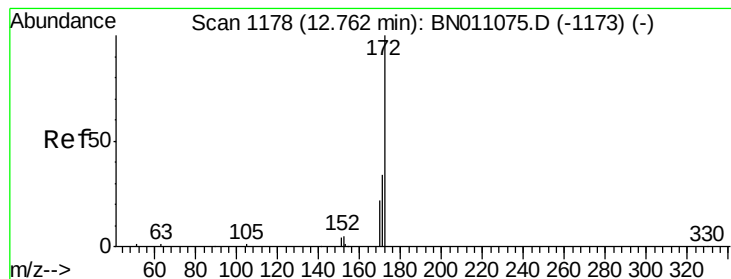


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

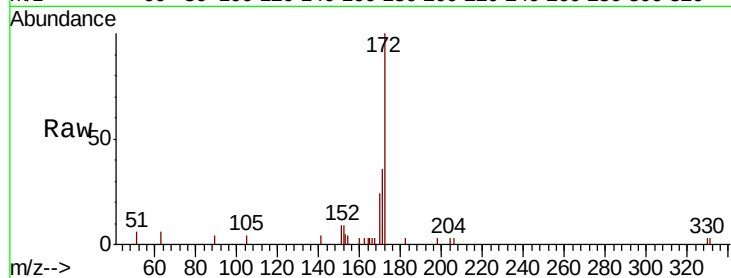




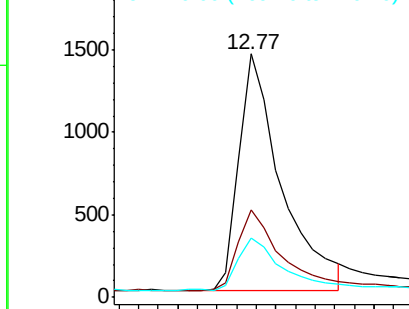
#15
2-Fluorobiphenyl
Concen: 0.294 ng
RT: 12.77 min Scan# 1179
Delta R.T. 0.03 min
Lab File: BN011100.D
Acq: 06 Jul 2020 10:36

Instrument :
BNA_N
ClientSampleId :
PB129902BL

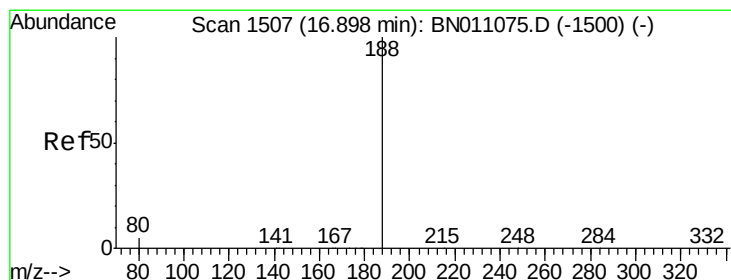
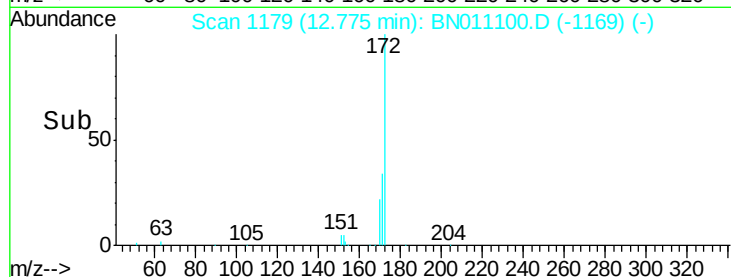
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.9	41.9
170	24.1	18.7	28.1



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

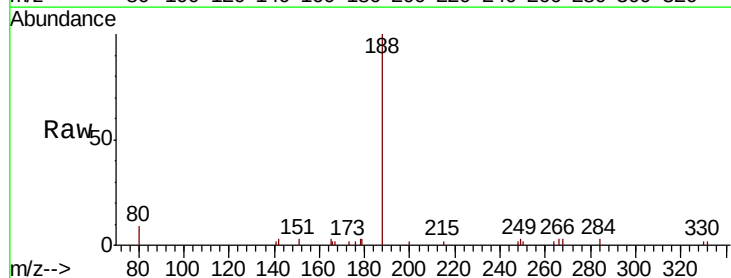


Time-->

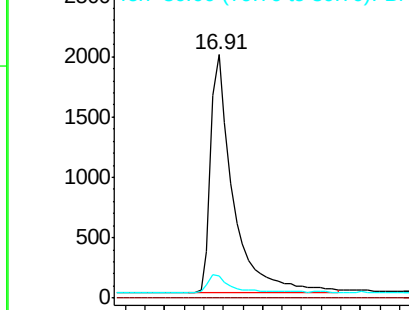


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1508
Delta R.T. 0.02 min
Lab File: BN011100.D
Acq: 06 Jul 2020 10:36

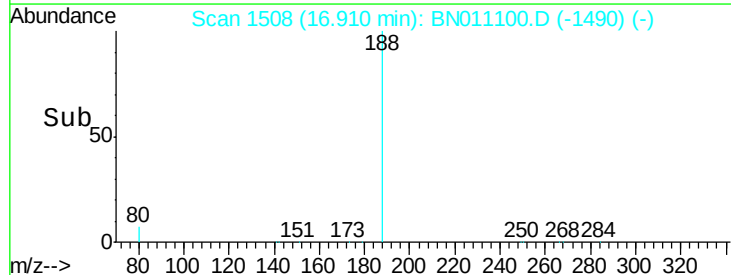
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	5.3	7.9

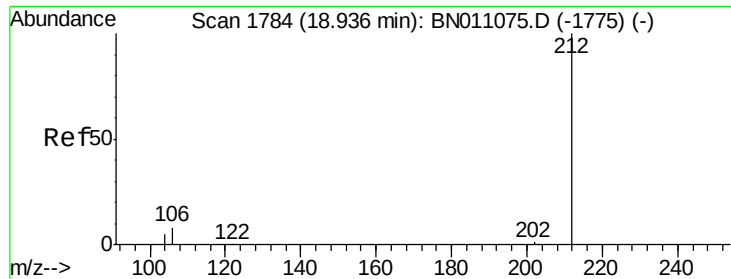


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC



Time-->

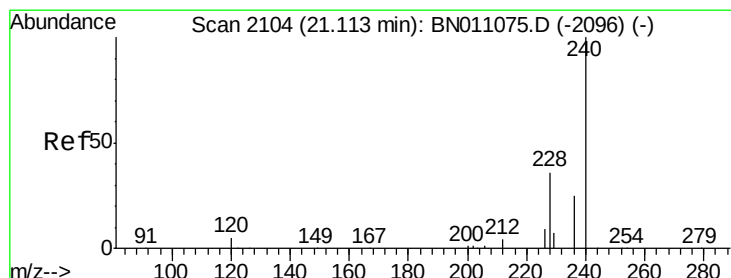
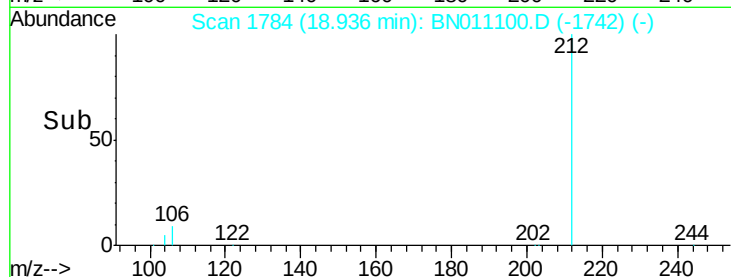
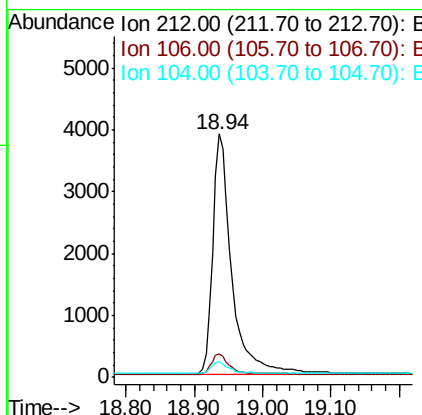
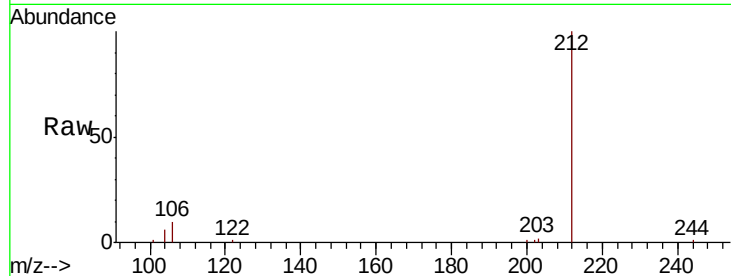




#27
 Fluoranthene-d10
 Concen: 0.398 ng
 RT: 18.94 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BN011100.D
 Acq: 06 Jul 2020 10:36

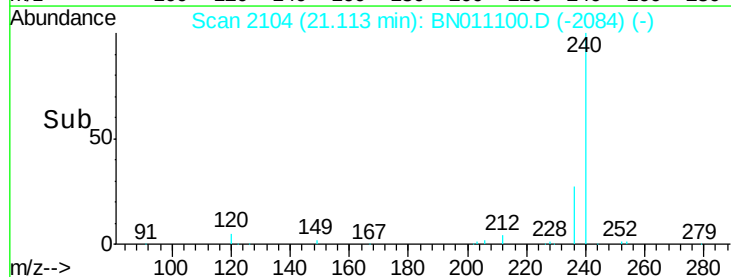
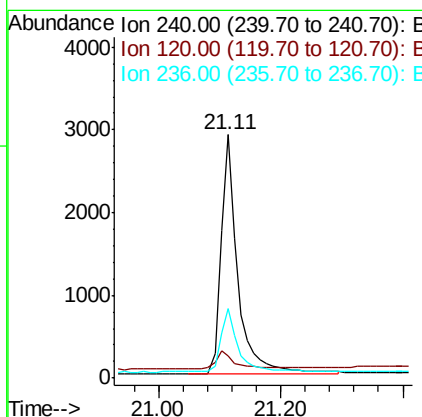
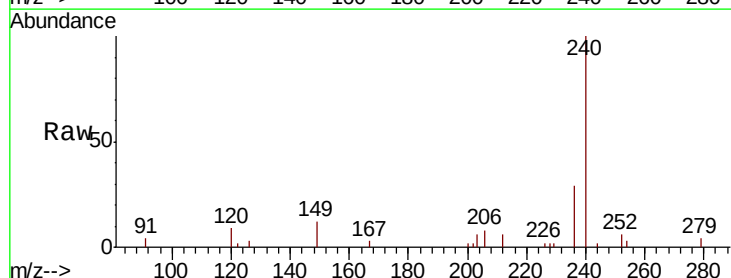
Instrument :
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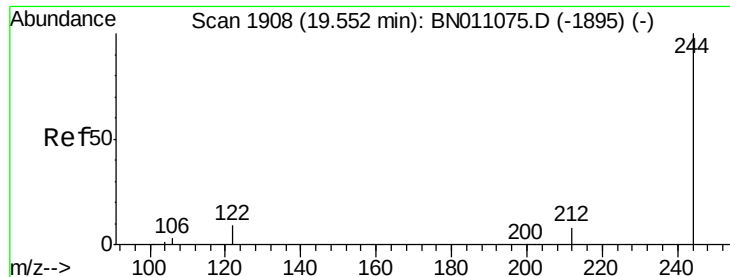
Tot Ion:212 Resp: 7596
 Ion Ratio Lower Upper
 212 100
 106 8.6 7.1 10.7
 104 4.7 4.2 6.4



#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.11 min Scan# 2104
 Delta R.T. 0.01 min
 Lab File: BN011100.D
 Acq: 06 Jul 2020 10:36

Tgt Ion:240 Resp: 5521
 Ion Ratio Lower Upper
 240 100
 120 9.0 6.5 9.7
 236 28.7 21.9 32.9





#31

Terphenyl-d14

Concen: 0.375 ng

RT: 19.55 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BN011100.D

Acq: 06 Jul 2020 10:36

Instrument :

BNA_N

ClientSampleId :

PB129902BL

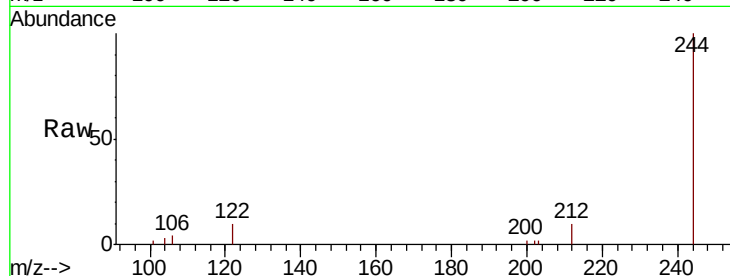
Tot Ion:244 Resp: 5397

Ion Ratio Lower Upper

244 100

212 9.5 7.5 11.3

122 9.6 8.2 12.4

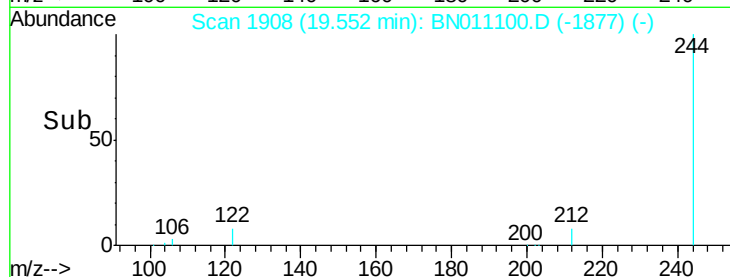


Abundance Ion 244.00 (243.70 to 244.70): E

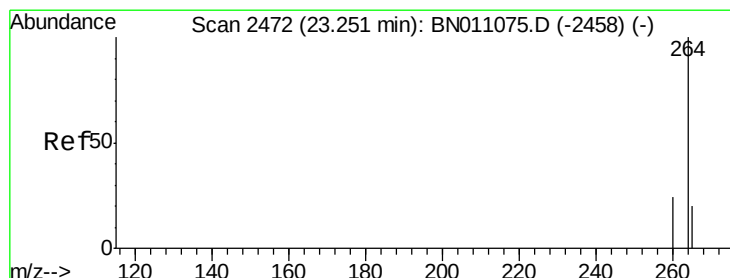
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2472

Delta R.T. 0.01 min

Lab File: BN011100.D

Acq: 06 Jul 2020 10:36

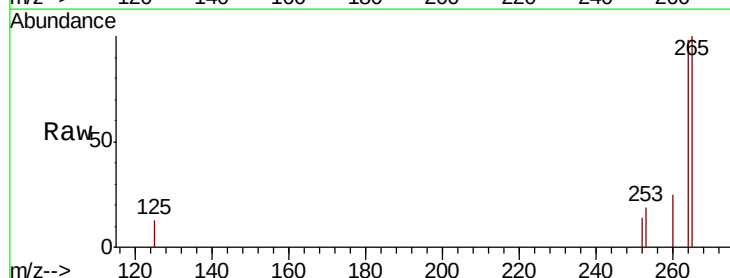
Tgt Ion:264 Resp: 5740

Ion Ratio Lower Upper

264 100

260 25.5 20.4 30.6

265 102.4 83.0 124.6

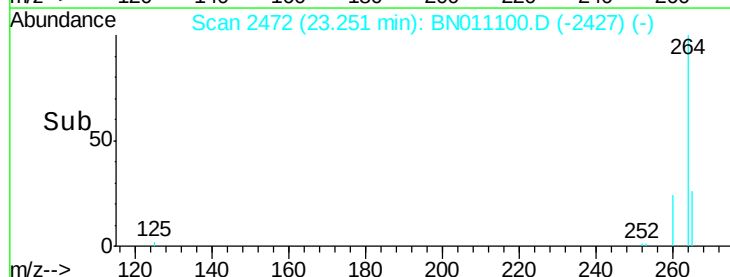


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



Time-->