

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070620\
 Data File : BN011098.D
 Acq On : 06 Jul 2020 09:21
 Operator : CG/JU
 Sample : PB129902BL
 Misc : MDL-SOIL-PBBL-04
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129902BL

Quant Time: Jul 06 10:58:23 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	2492	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	7484	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	4224	0.40	ng	0.01
19) Phenanthrene-d10	16.91	188	7931	0.40	ng	0.02
29) Chrysene-d12	21.11	240	6723	0.40	ng	0.01
36) Perylene-d12	23.25	264	6519	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	1755	0.28	ng	0.00
5) Phenol-d6	6.73	99	1730	0.24	ng	0.00
8) Nitrobenzene-d5	8.67	82	2079	0.33	ng	0.01
11) 2-Methylnaphthalene-d10	11.87	152	4699	0.36	ng	0.01
14) 2,4,6-Tribromophenol	15.68	330	356	0.20	ng	0.04
15) 2-Fluorobiphenyl	12.77	172	5228	0.26	ng	0.03
27) Fluoranthene-d10	18.94	212	9564	0.40	ng	0.00
31) Terphenyl-d14	19.55	244	6856	0.39	ng	0.00

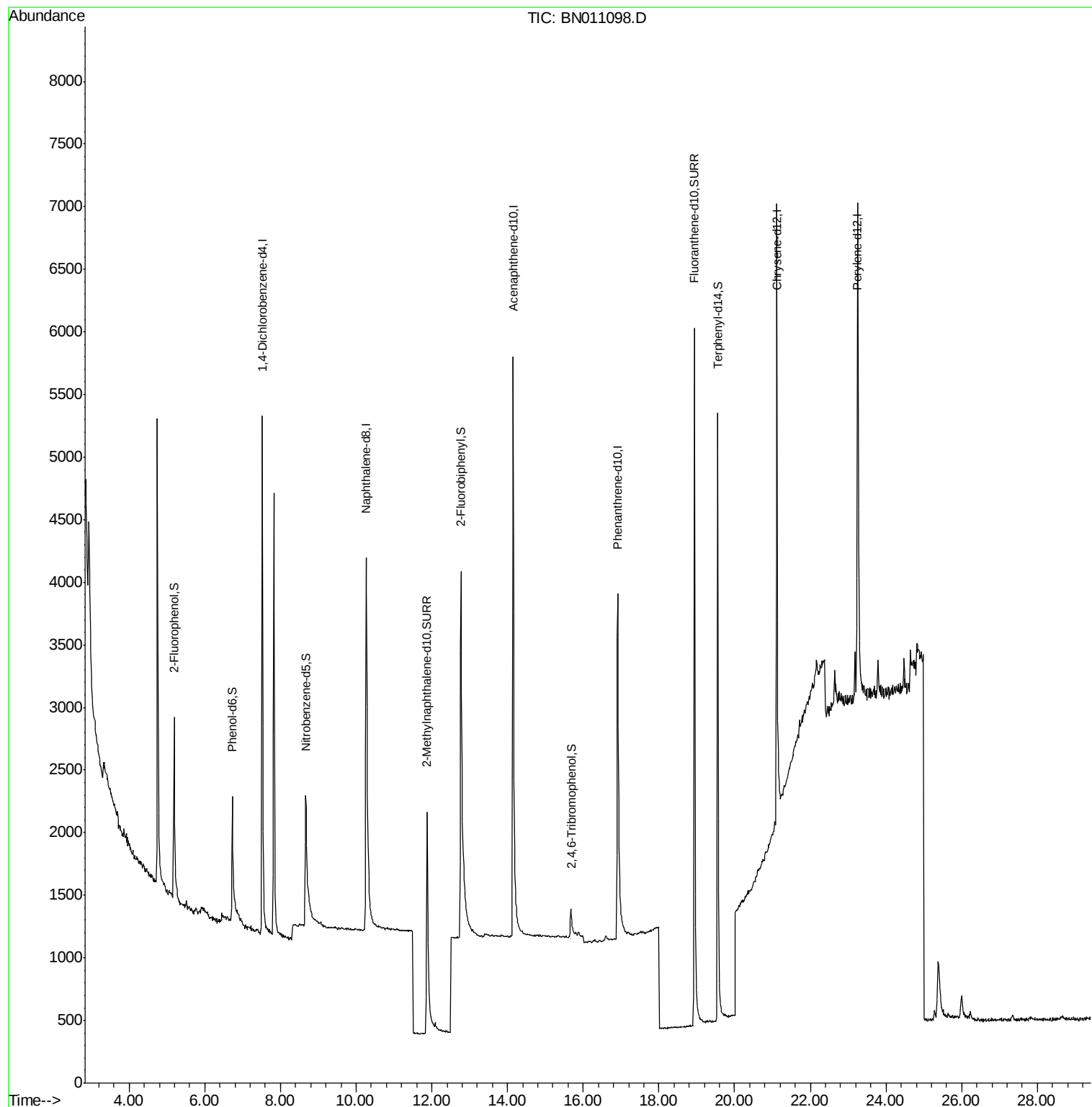
Target Compounds	Qvalue
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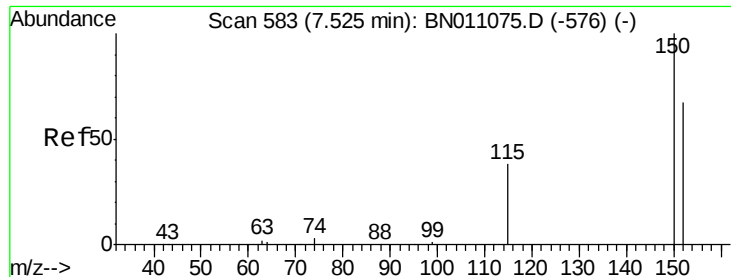
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 06 10:58:23 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
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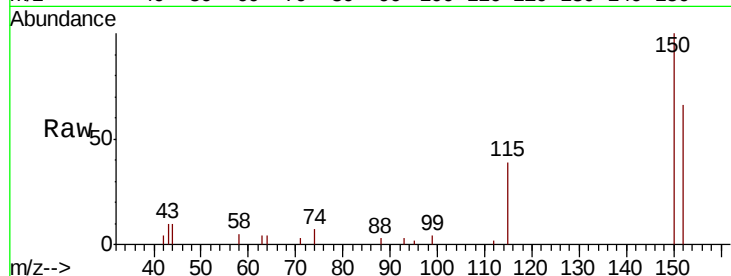


#1

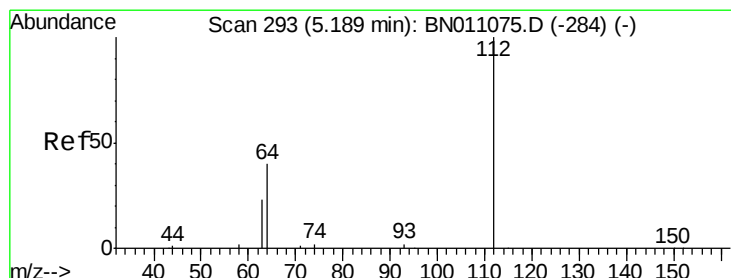
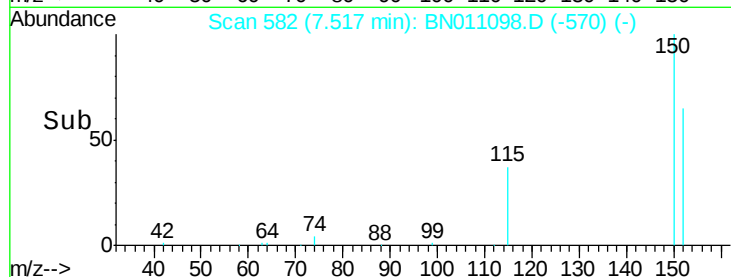
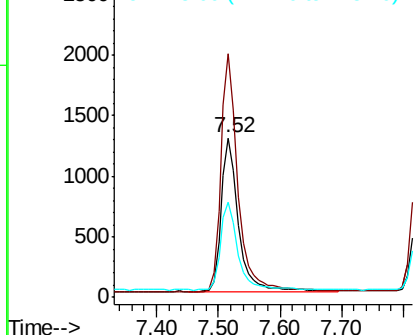
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. -0.00 min
Lab File: BN011098.D
Acq: 06 Jul 2020 09:21

Instrument :
BNA_N
ClientSampleId :
PB129902BL

Tot Ion:152 Resp: 2492
Ion Ratio Lower Upper
152 100
150 152.5 117.4 176.0
115 59.7 47.9 71.9



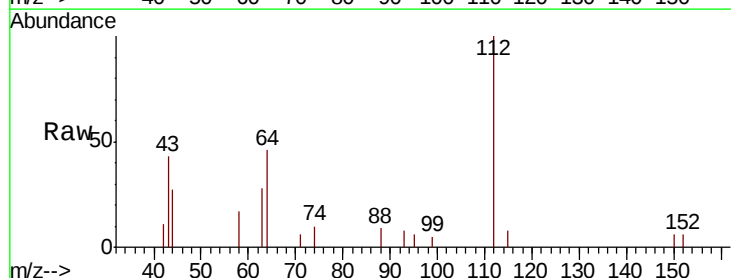
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



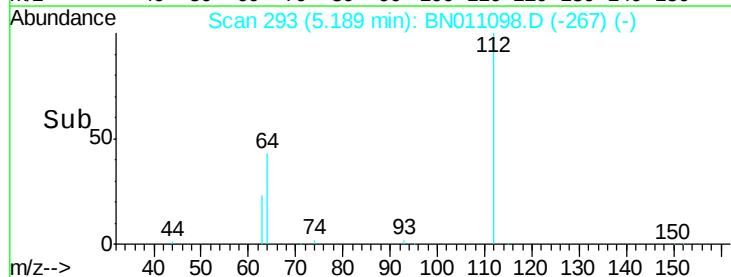
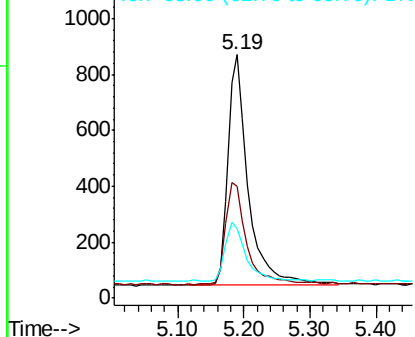
#4

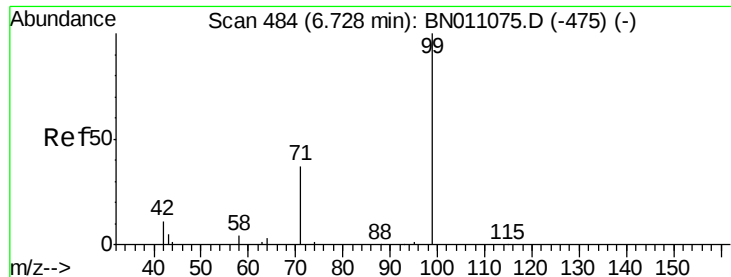
2-Fluorophenol
Concen: 0.283 ng
RT: 5.19 min Scan# 293
Delta R.T. 0.01 min
Lab File: BN011098.D
Acq: 06 Jul 2020 09:21

Tgt Ion:112 Resp: 1755
Ion Ratio Lower Upper
112 100
64 45.9 36.5 54.7
63 26.4 20.6 30.8



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





#5

Phenol-d6

Concen: 0.243 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

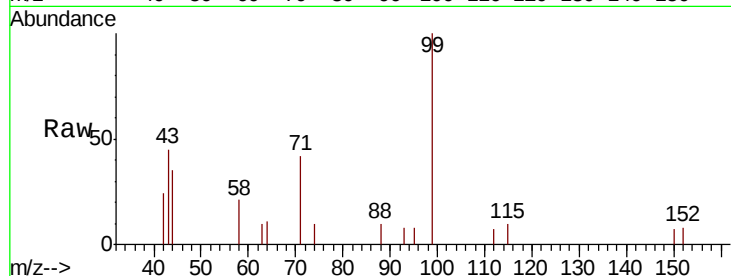
Tot Ion: 99 Resp: 1730

Ion Ratio Lower Upper

99 100

42 13.1 9.8 14.8

71 39.0 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011098.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN011098.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN011098.D (-471) (-)

6.73

800

600

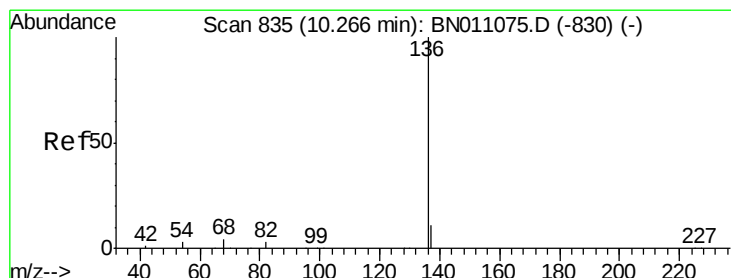
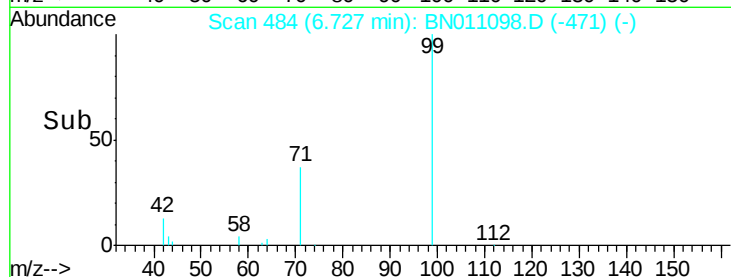
400

200

0

6.60 6.70 6.80 6.90

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Tgt Ion: 136 Resp: 7484

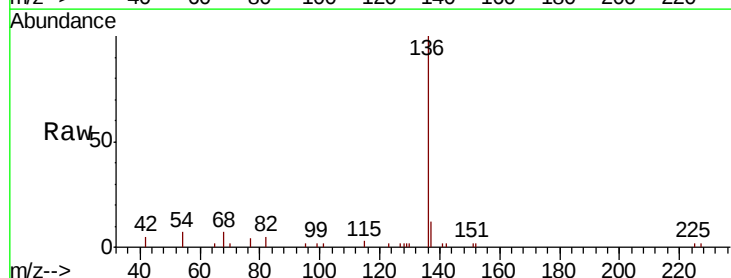
Ion Ratio Lower Upper

136 100

137 12.4 9.6 14.4

54 6.5 3.8 5.6#

68 6.6 4.3 6.5#



Abundance Ion 136.00 (135.70 to 136.70): BN011098.D (-819) (-)

Ion 137.00 (136.70 to 137.70): BN011098.D (-819) (-)

Ion 54.00 (53.70 to 54.70): BN011098.D (-819) (-)

Ion 68.00 (67.70 to 68.70): BN011098.D (-819) (-)

10.27

3000

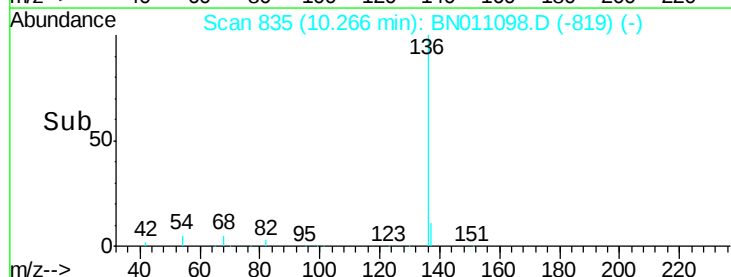
2000

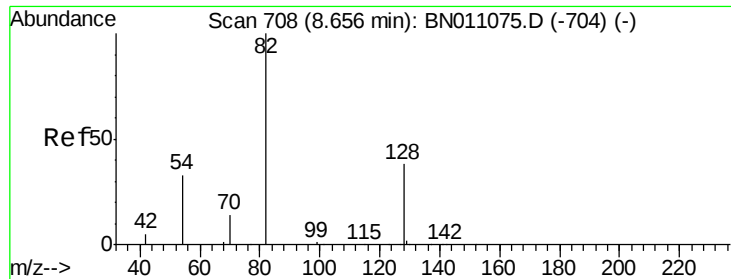
1000

0

10.20 10.40

Time-->





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

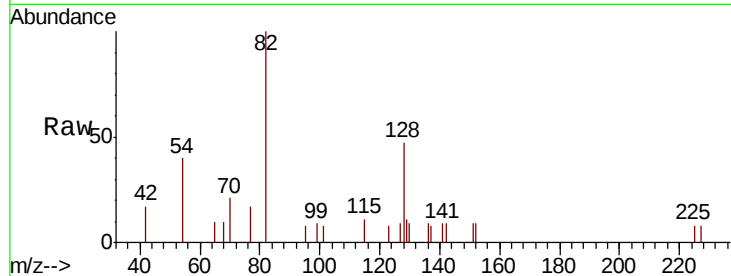
Tot Ion: 82 Resp: 2079

Ion Ratio Lower Upper

82 100

128 47.0 34.2 51.2

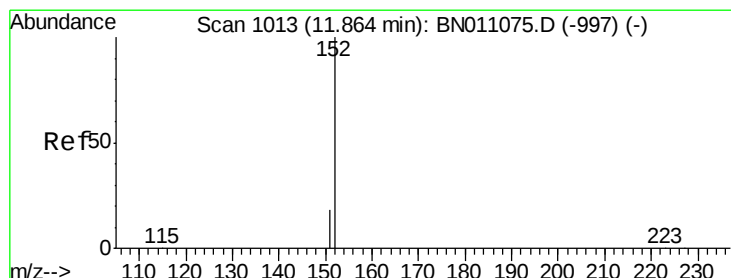
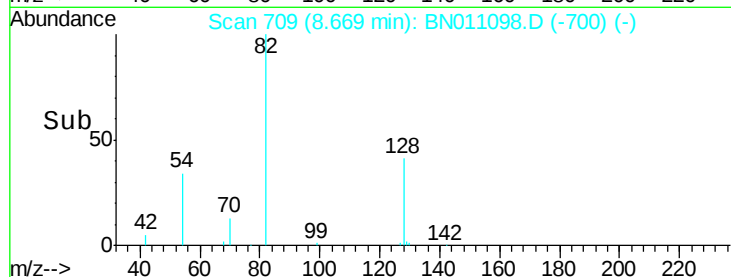
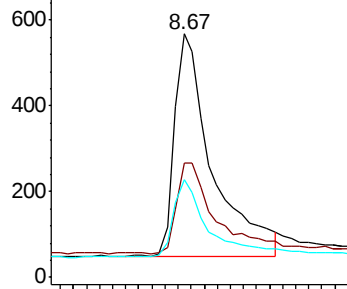
54 40.0 29.4 44.0



Abundance Ion 82.00 (81.70 to 82.70): BN011098.D (-700) (-)

Ion 128.00 (127.70 to 128.70): BN011098.D (-700) (-)

Ion 54.00 (53.70 to 54.70): BN011098.D (-700) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.363 ng

RT: 11.87 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BN011098.D

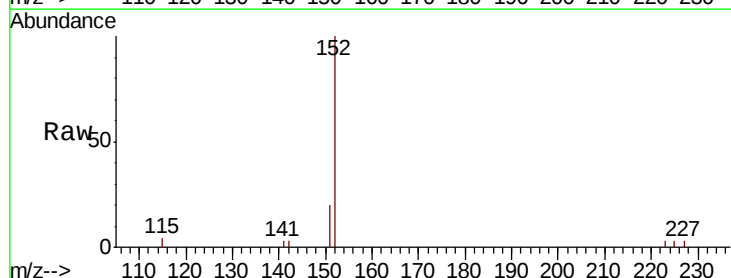
Acq: 06 Jul 2020 09:21

Tgt Ion: 152 Resp: 4699

Ion Ratio Lower Upper

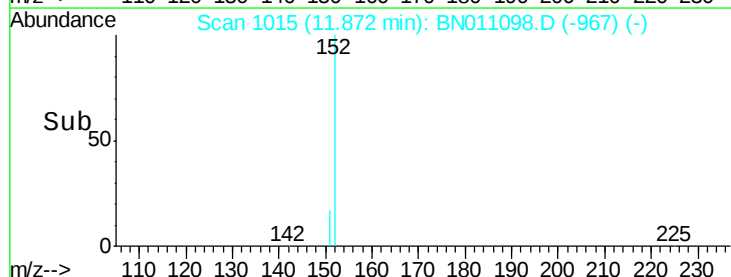
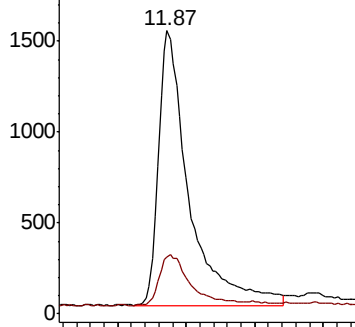
152 100

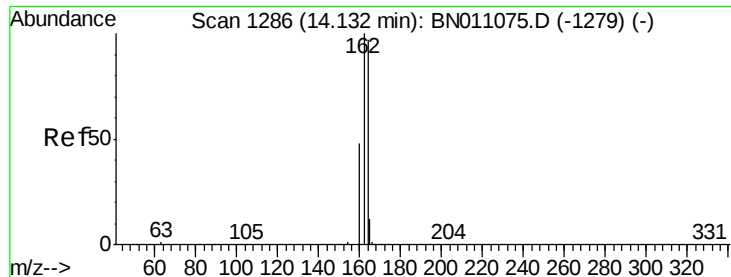
151 18.7 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): BN011098.D (-967) (-)

Ion 151.00 (150.70 to 151.70): BN011098.D (-967) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

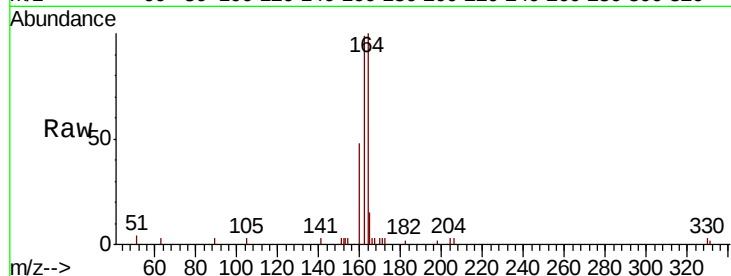
Tot Ion:164 Resp: 4224

Ion Ratio Lower Upper

164 100

162 99.2 82.3 123.5

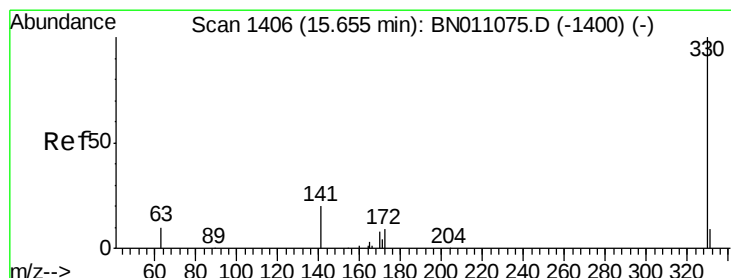
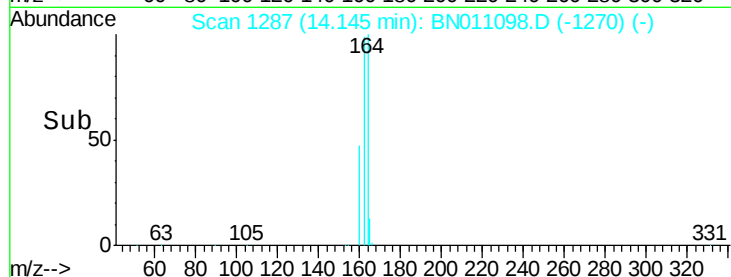
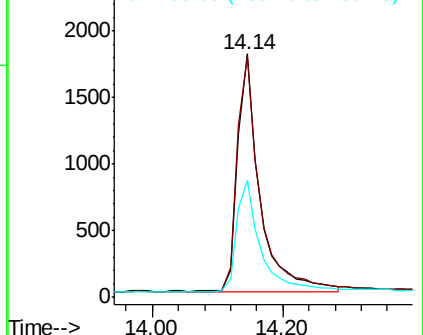
160 48.0 40.6 61.0



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: 0.201 ng

RT: 15.68 min Scan# 1408

Delta R.T. 0.04 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

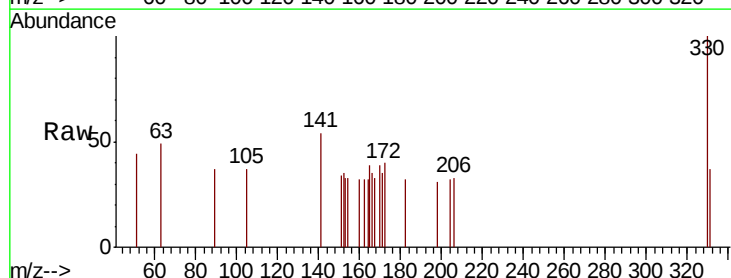
Tgt Ion:330 Resp: 356

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

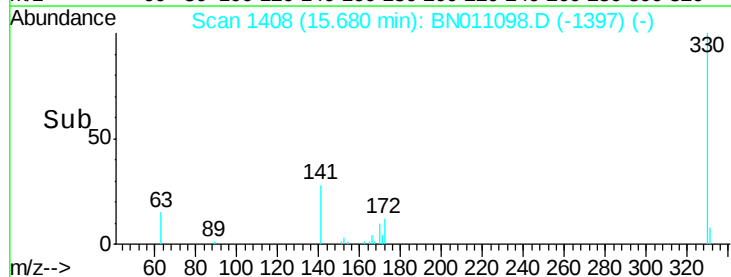
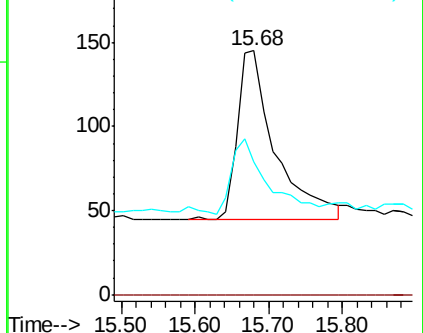
141 42.4 32.6 49.0

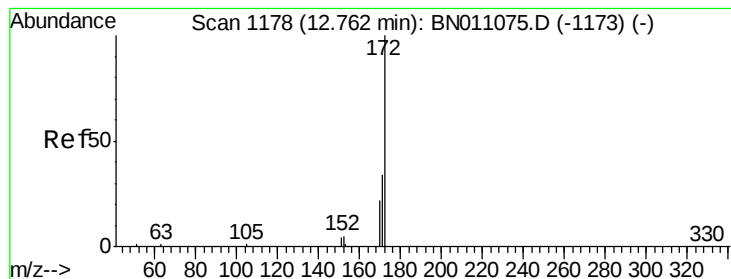


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.263 ng

RT: 12.77 min Scan# 1179

Delta R.T. 0.03 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

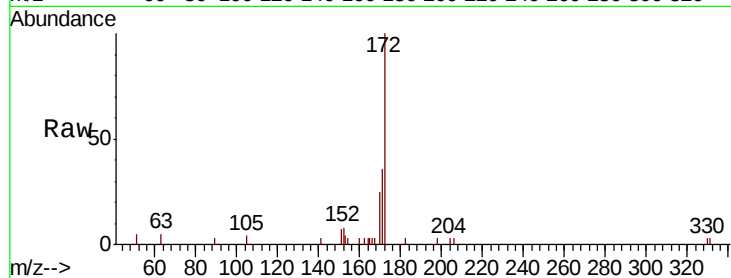
Tot Ion:172 Resp: 5228

Ion Ratio Lower Upper

172 100

171 36.1 27.9 41.9

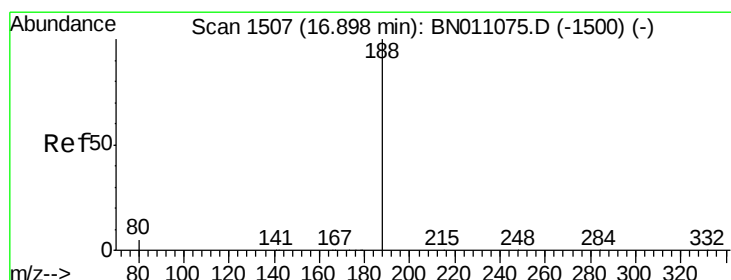
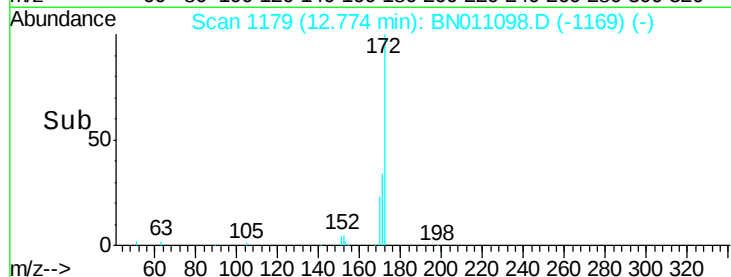
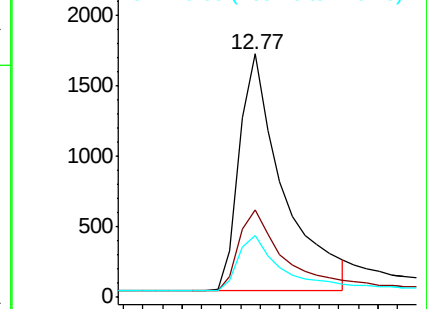
170 25.2 18.7 28.1



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.91 min Scan# 1508

Delta R.T. 0.02 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

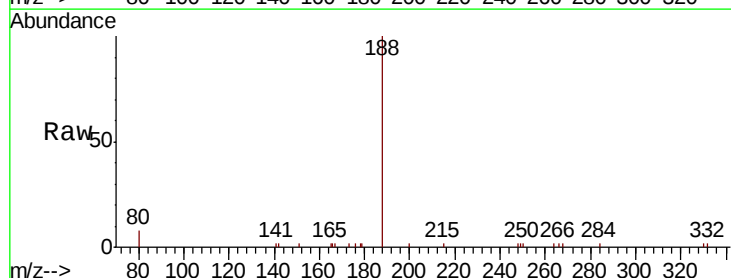
Tgt Ion:188 Resp: 7931

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

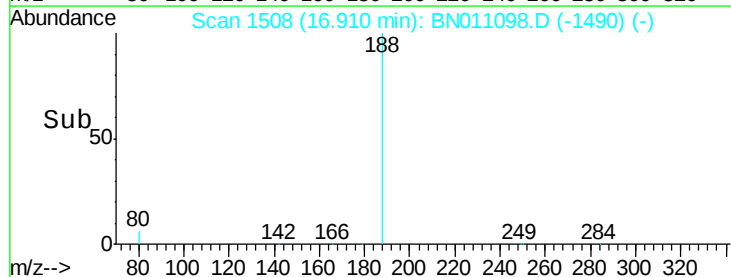
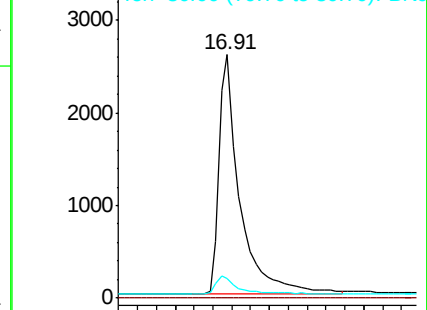
80 7.9 5.3 7.9

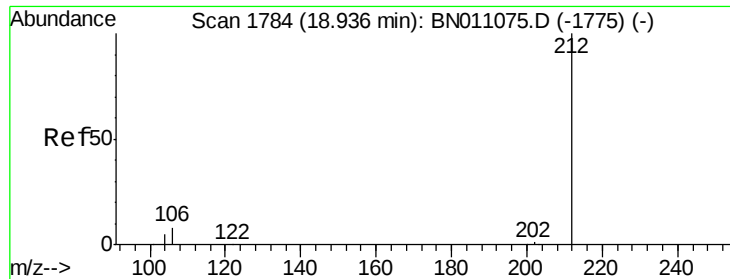


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#27

Fluoranthene-d10

Concen: 0.399 ng

RT: 18.94 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

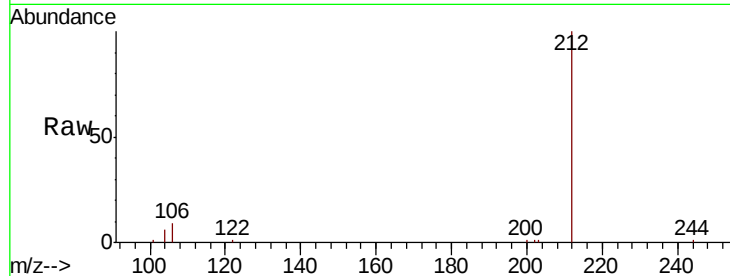
Tot Ion:212 Resp: 9564

Ion Ratio Lower Upper

212 100

106 8.5 7.1 10.7

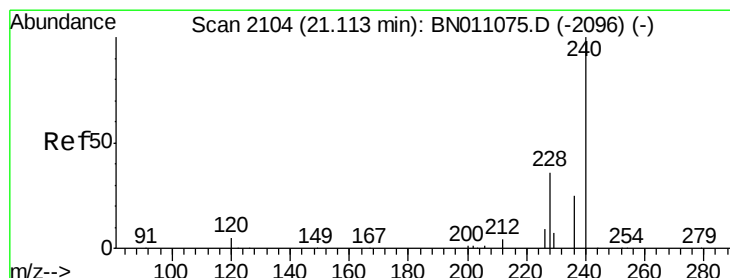
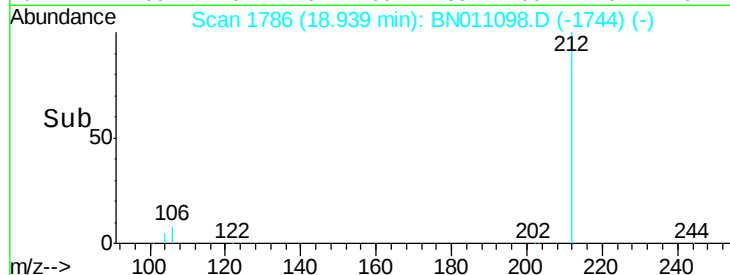
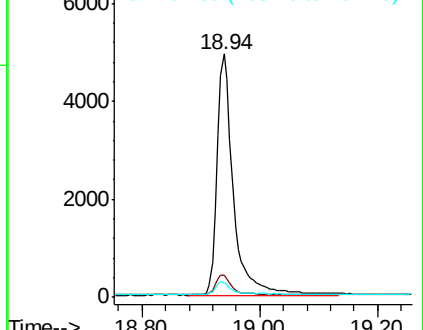
104 5.0 4.2 6.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

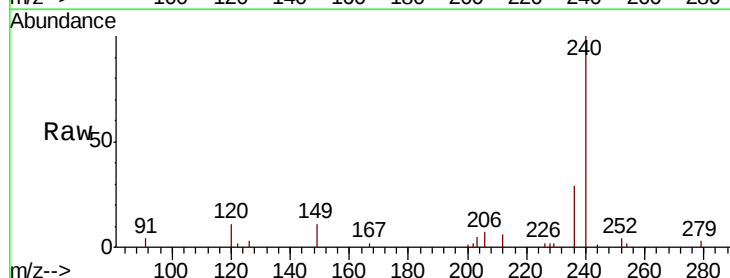
Tgt Ion:240 Resp: 6723

Ion Ratio Lower Upper

240 100

120 10.5 6.5 9.7#

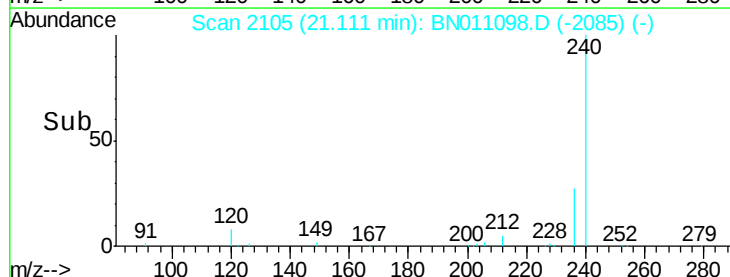
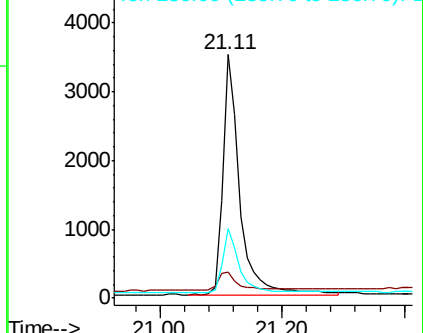
236 28.6 21.9 32.9

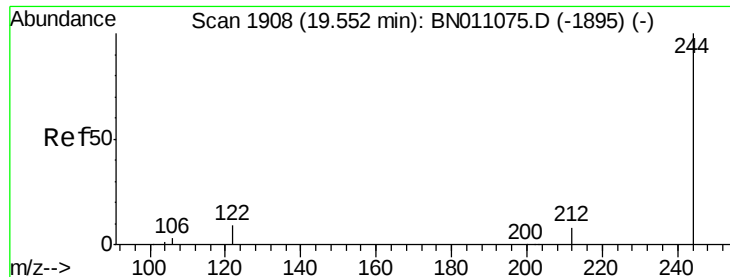


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Terphenyl-d14

Concen: 0.392 ng

RT: 19.55 min Scan# 1910

Delta R.T. 0.00 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

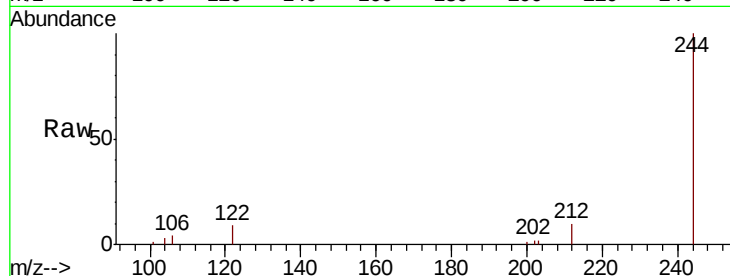
Tot Ion:244 Resp: 6856

Ion Ratio Lower Upper

244 100

212 9.8 7.5 11.3

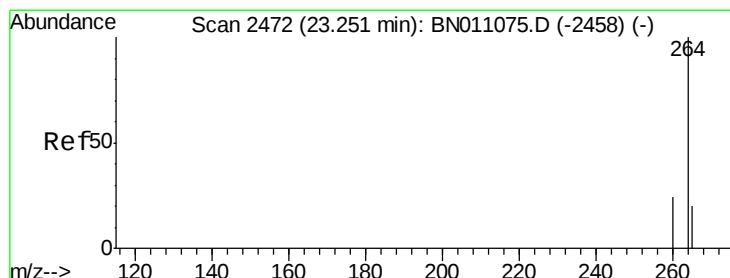
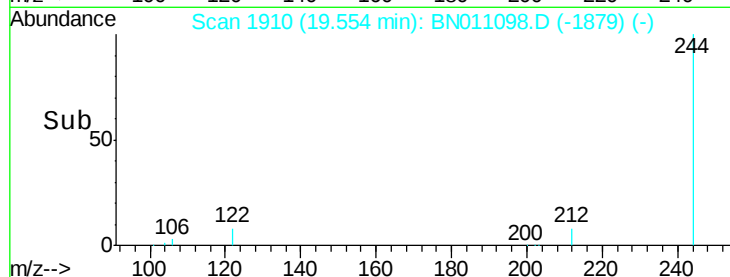
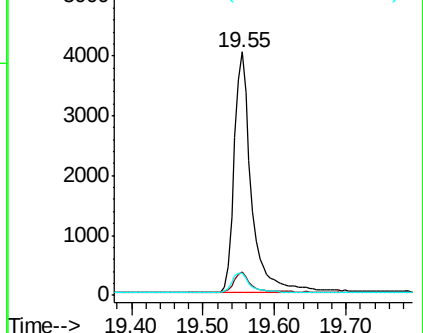
122 9.0 8.2 12.4



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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2474

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

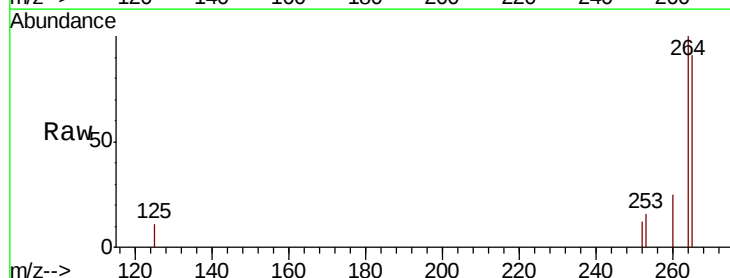
Tgt Ion:264 Resp: 6519

Ion Ratio Lower Upper

264 100

260 25.0 20.4 30.6

265 90.6 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

