

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070220\
 Data File : BN011087.D
 Acq On : 02 Jul 2020 15:54
 Operator : CG/JU
 Sample : PB129884BL
 Misc : MDL-SOIL-PBBL-03
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129884BL

Quant Time: Jul 02 16:46:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 14:12:13 2020
 Response via : Initial Calibration

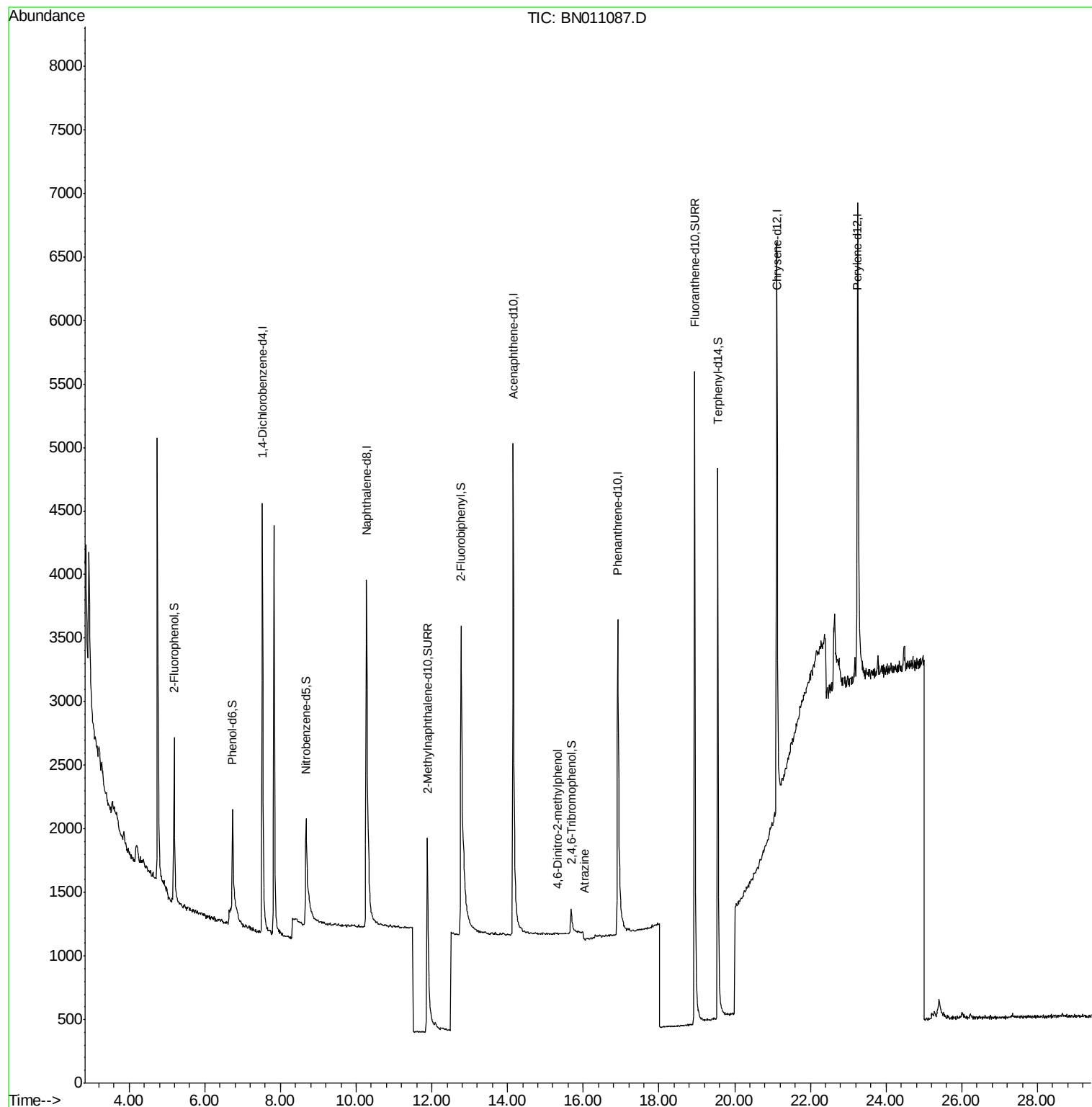
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	2153	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	6824	0.40	ng	0.01
13) Acenaphthene-d10	14.14	164	3548	0.40	ng	0.01
19) Phenanthrene-d10	16.91	188	7175	0.40	ng	0.01
29) Chrysene-d12	21.11	240	6141	0.40	ng	0.00
36) Perylene-d12	23.25	264	6263	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	1534	0.29	ng	0.00
5) Phenol-d6	6.74	99	1603	0.26	ng	0.00
8) Nitrobenzene-d5	8.68	82	1695	0.29	ng	0.03
11) 2-Methylnaphthalene-d10	11.88	152	4222	0.36	ng	0.02
14) 2,4,6-Tribromophenol	15.68	330	325	0.22	ng	0.03
15) 2-Fluorobiphenyl	12.77	172	4752	0.28	ng	0.01
27) Fluoranthene-d10	18.94	212	8717	0.40	ng	0.00
31) Terphenyl-d14	19.55	244	6484	0.41	ng	0.00
Target Compounds						
20) 4,6-Dinitro-2-methylphenol	15.32	198	1	0.091	ng	# 28
23) Atrazine	16.02	200	135	0.040	ng	# 5

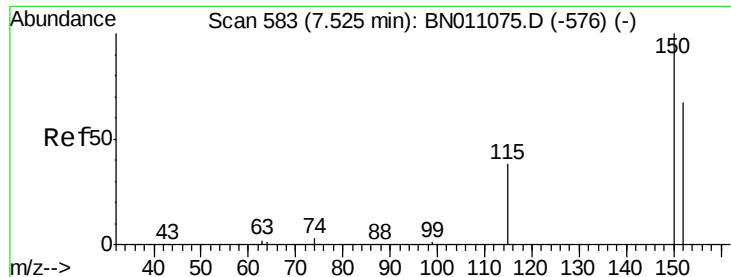
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 16:46:18 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 14:12:13 2020
Response via : Initial Calibration



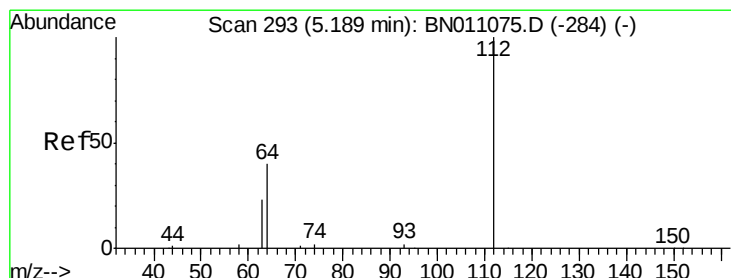
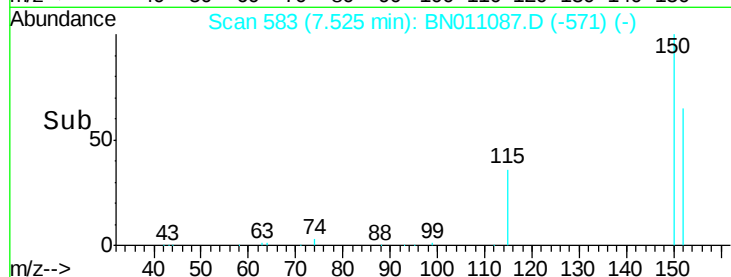
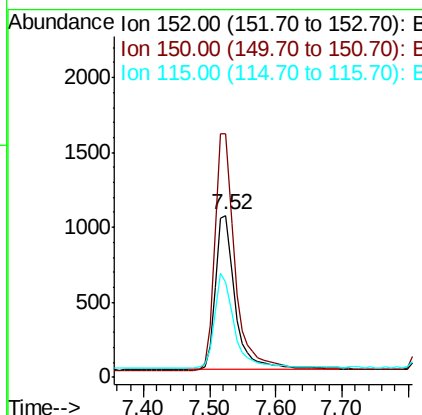
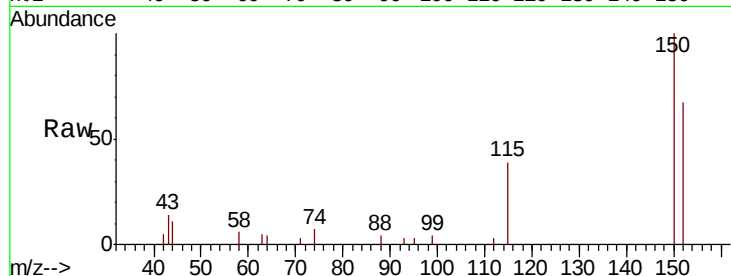


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BN011087.D
Acq: 02 Jul 2020 15:54

Instrument :
BNA_N
ClientSampleId :
PB129884BL

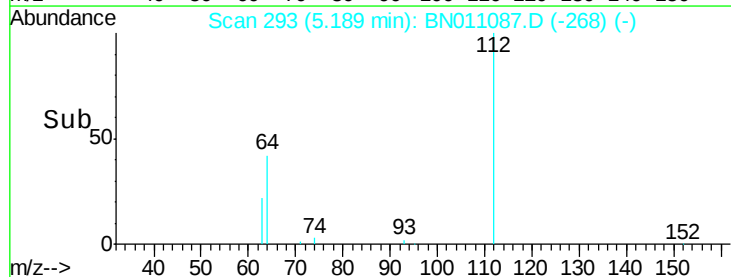
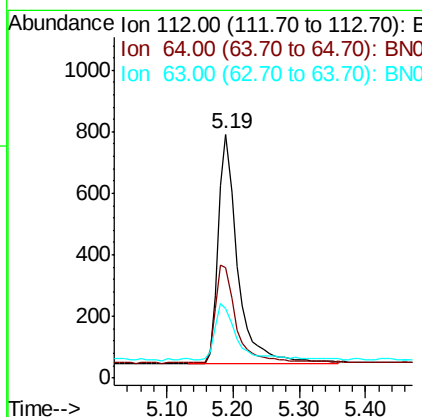
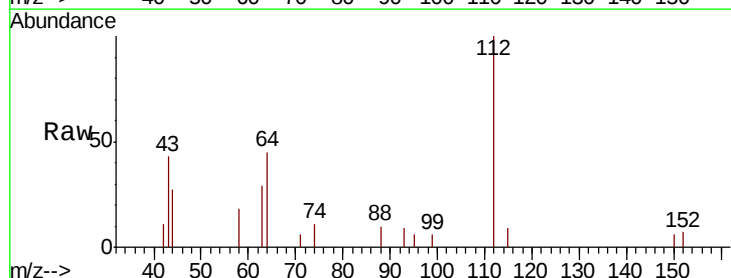
Tot Ion:152 Resp: 2153
Ion Ratio Lower Upper
152 100
150 150.1 117.4 176.0
115 58.9 47.9 71.9

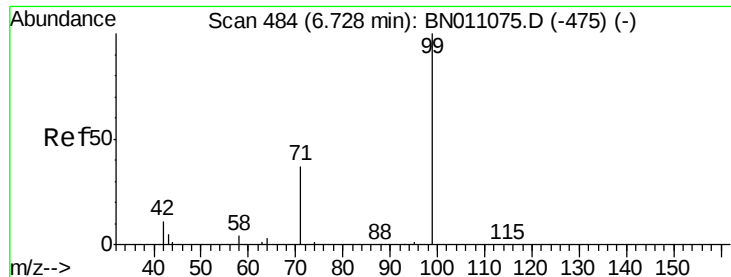


#4

2-Fluorophenol
Concen: 0.286 ng
RT: 5.19 min Scan# 293
Delta R.T. -0.00 min
Lab File: BN011087.D
Acq: 02 Jul 2020 15:54

Tgt Ion:112 Resp: 1534
Ion Ratio Lower Upper
112 100
64 44.4 36.5 54.7
63 25.6 20.6 30.8





#5

Phenol-d6

Concen: 0.260 ng

RT: 6.74 min Scan# 485

Delta R.T. 0.01 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

Instrument :

BNA_N

ClientSampleId :

PB129884BL

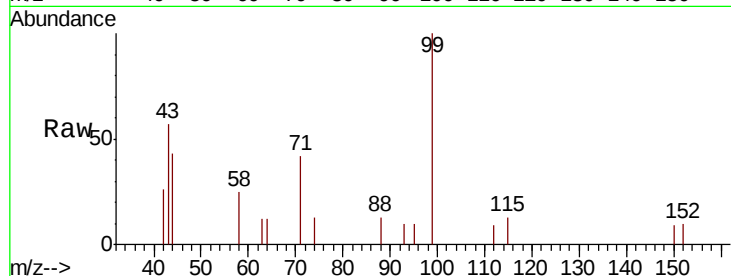
Tot Ion: 99 Resp: 1603

Ion Ratio Lower Upper

99 100

42 10.7 9.8 14.8

71 37.2 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011075.D (-475) (-)

Ion 42.00 (41.70 to 42.70): BN011075.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN011075.D (-475) (-)

6.74

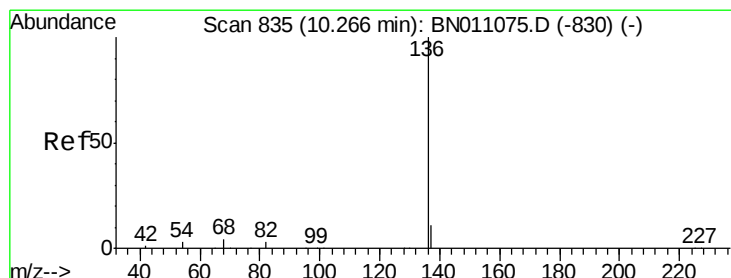
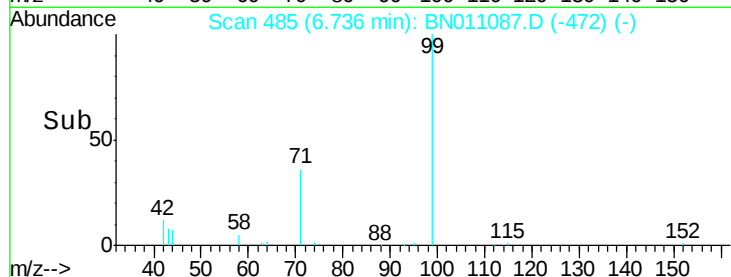
400

200

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: BN011087.D

Acq: 02 Jul 2020 15:54

Tgt Ion: 136 Resp: 6824

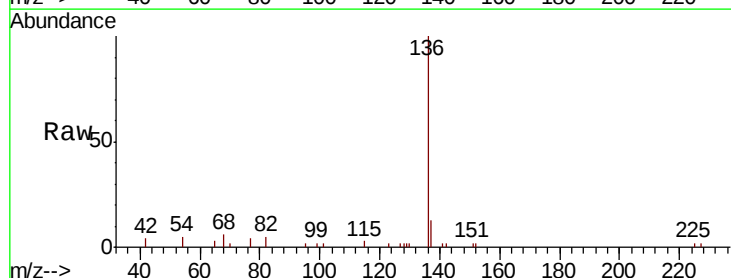
Ion Ratio Lower Upper

136 100

137 12.8 9.6 14.4

54 5.4 3.8 5.6

68 5.6 4.3 6.5



Abundance Ion 136.00 (135.70 to 136.70): BN011075.D (-830) (-)

Ion 137.00 (136.70 to 137.70): BN011075.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN011075.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN011075.D (-830) (-)

10.28

3000

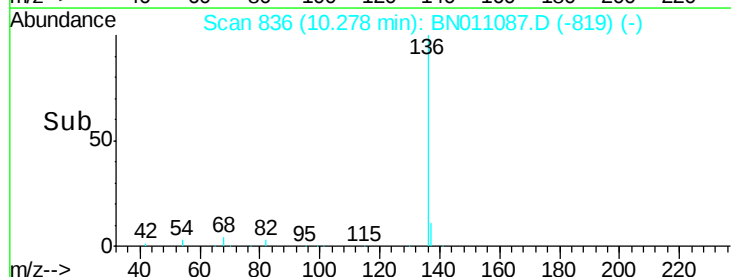
2000

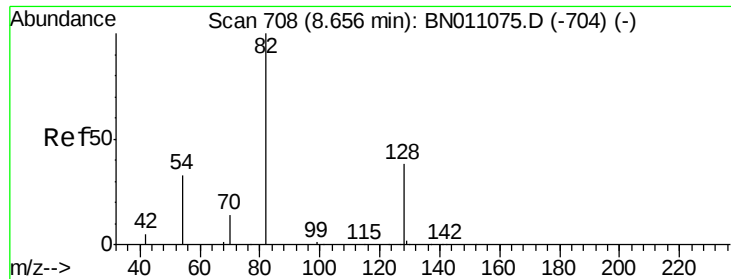
1000

0

10.20 10.40

Time-->





#8

Nitrobenzene-d5

Concen: 0.292 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.03 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

Instrument :

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ClientSampleId :

PB129884BL

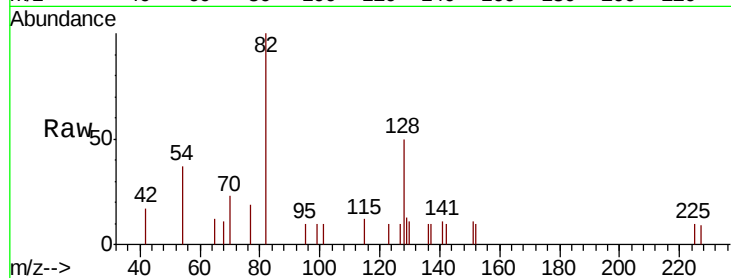
Tot Ion: 82 Resp: 1695

Ion Ratio Lower Upper

82 100

128 50.3 34.2 51.2

54 36.9 29.4 44.0

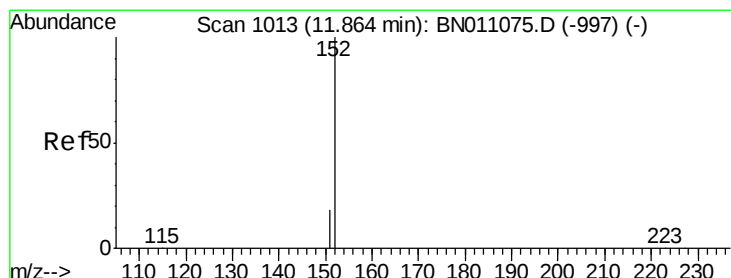
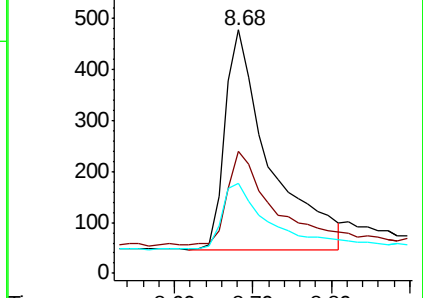
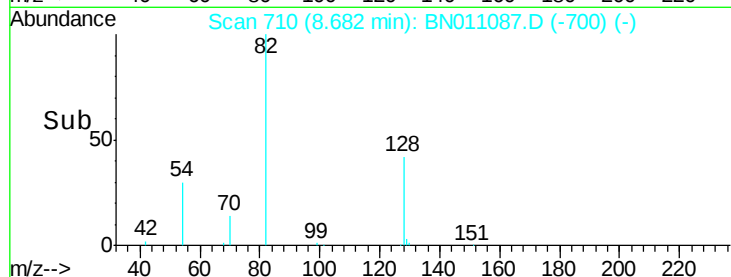


Abundance Ion 82.00 (81.70 to 82.70): BN011087.D (-700) (-)

Ion 128.00 (127.70 to 128.70): BN011087.D (-700) (-)

Ion 54.00 (53.70 to 54.70): BN011087.D (-700) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

RT: 11.88 min Scan# 1017

Delta R.T. 0.02 min

Lab File: BN011087.D

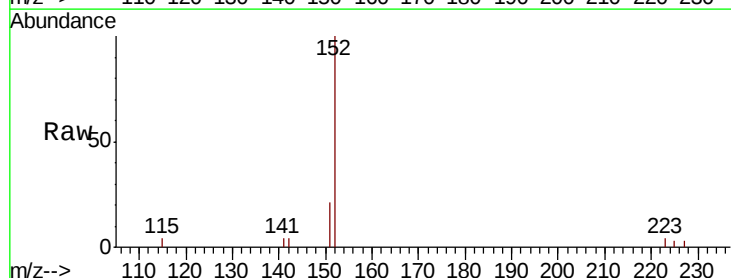
Acq: 02 Jul 2020 15:54

Tgt Ion: 152 Resp: 4222

Ion Ratio Lower Upper

152 100

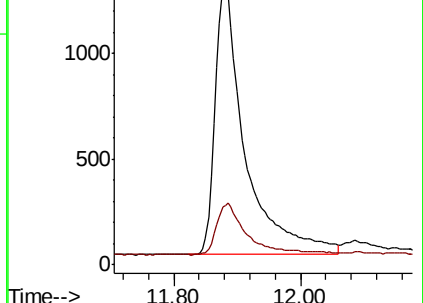
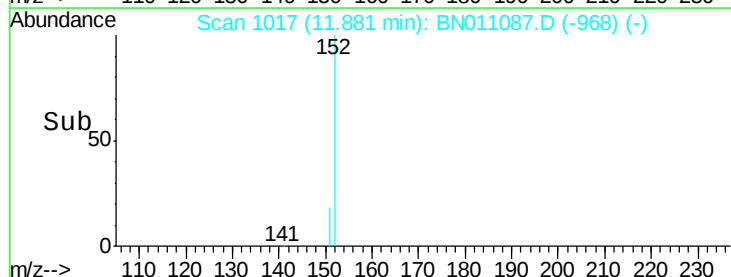
151 19.3 16.6 24.8

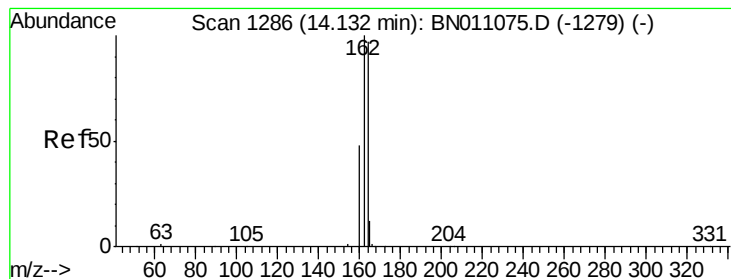


Abundance Ion 152.00 (151.70 to 152.70): BN011087.D (-968) (-)

Ion 151.00 (150.70 to 151.70): BN011087.D (-968) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

Instrument :

BNA_N

ClientSampleId :

PB129884BL

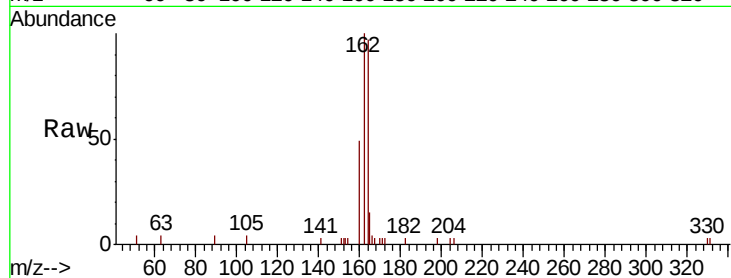
Tot Ion:164 Resp: 3548

Ion Ratio Lower Upper

164 100

162 103.4 82.3 123.5

160 51.0 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

14.14

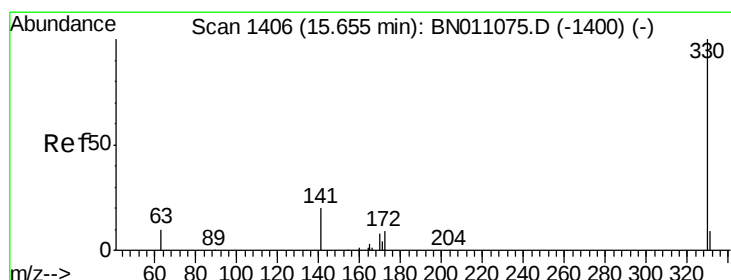
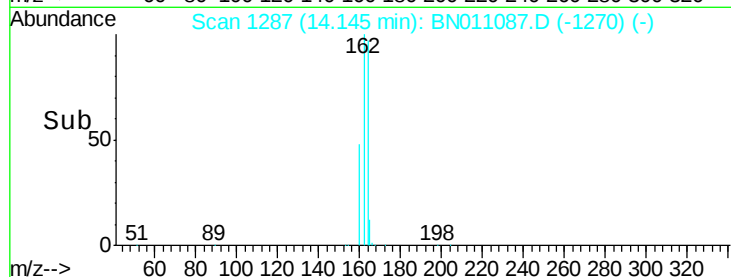
1500

1000

500

0

Time--> 14.00 14.10 14.20 14.30



#14

2,4,6-Tribromophenol

Concen: 0.218 ng

RT: 15.68 min Scan# 1408

Delta R.T. 0.03 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

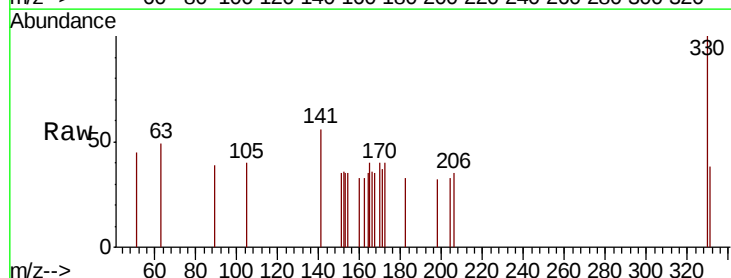
Tgt Ion:330 Resp: 325

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 41.8 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

15.68

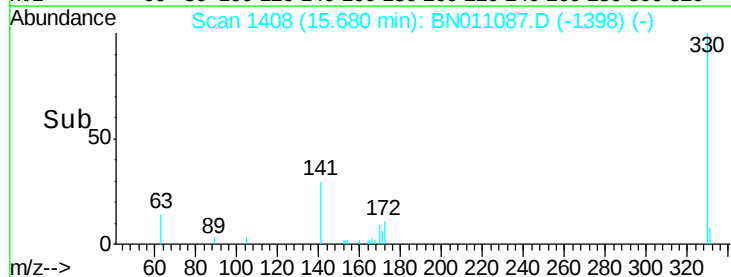
150

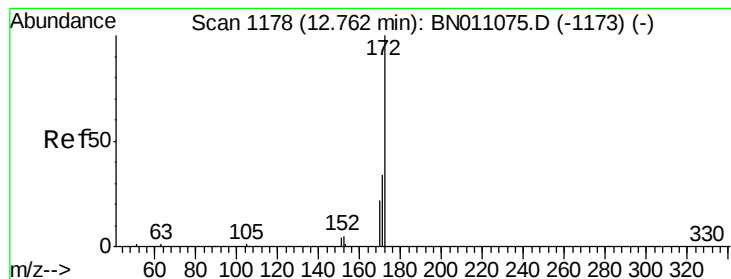
100

50

0

Time--> 15.50 15.60 15.70 15.80





#15

2-Fluorobiphenyl

Concen: 0.284 ng

RT: 12.77 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

Instrument :

BNA_N

ClientSampleId :

PB129884BL

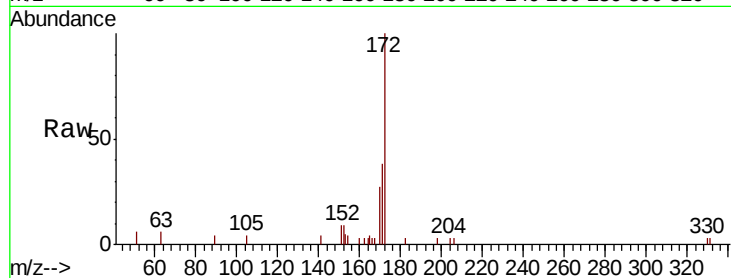
Tot Ion:172 Resp: 4752

Ion Ratio Lower Upper

172 100

171 37.7 27.9 41.9

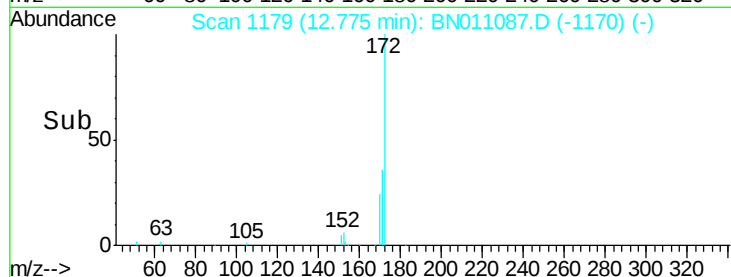
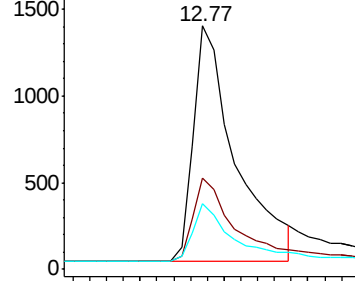
170 26.8 18.7 28.1



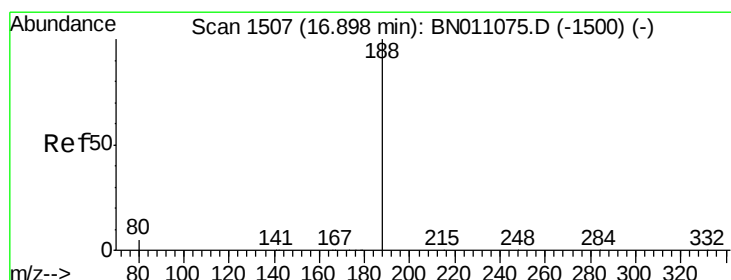
Abundance Ion 172.00 (171.70 to 172.70): E

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. 0.01 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

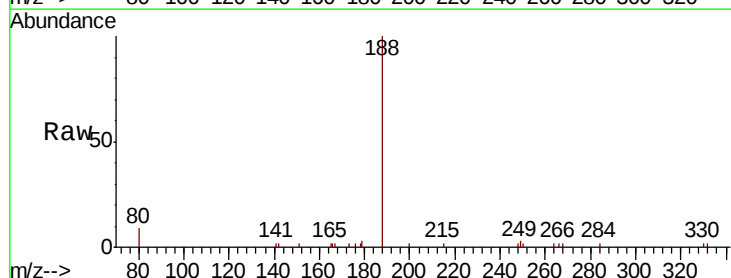
Tgt Ion:188 Resp: 7175

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

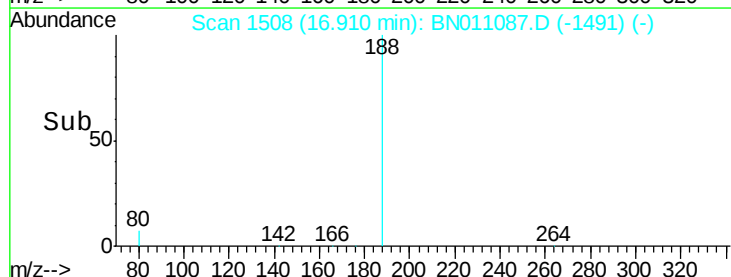
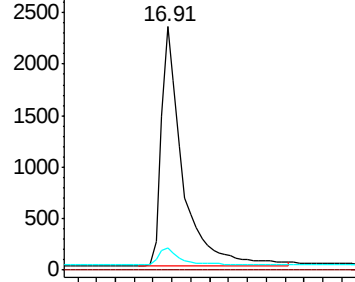
80 9.1 5.3 7.9#



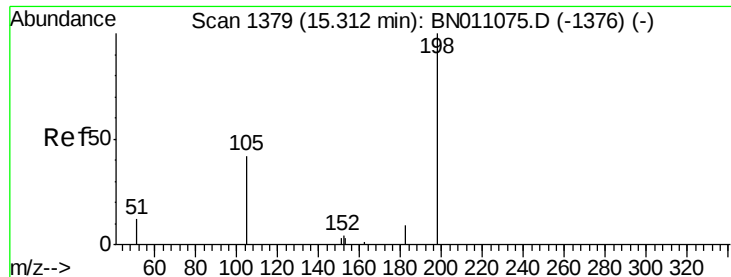
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



Time-->



#20

4,6-Dinitro-2-methylphenol

Concen: 0.091 ng

RT: 15.32 min Scan# 1380

Delta R.T. 0.01 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

Instrument :

BNA_N

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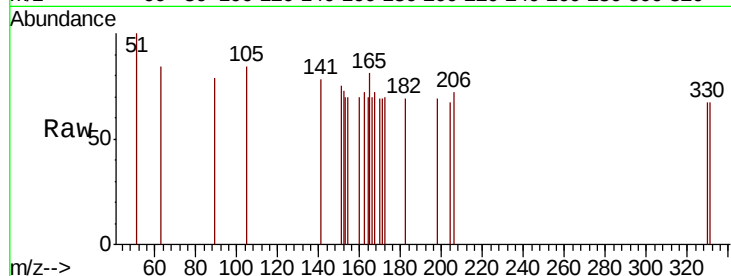
Tot Ion:198 Resp: 1

Ion Ratio Lower Upper

198 100

51 145.7 58.2 87.4#

105 121.7 59.0 88.4#



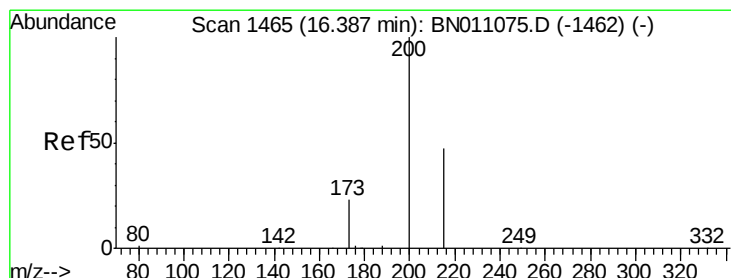
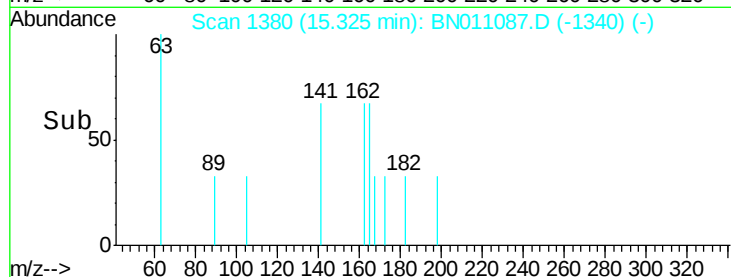
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E

15.32

Time-->



#23

Atrazine

Concen: 0.040 ng

RT: 16.02 min Scan# 1435

Delta R.T. -0.37 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

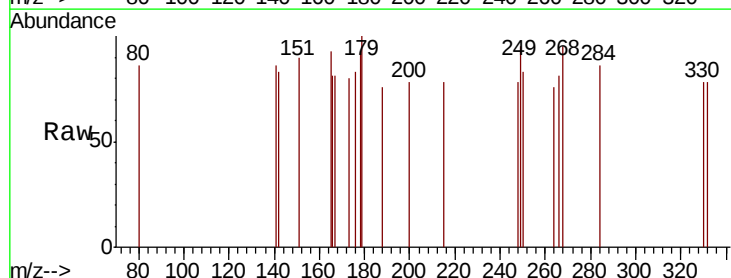
Tgt Ion:200 Resp: 135

Ion Ratio Lower Upper

200 100

173 102.2 22.8 34.2#

215 100.0 40.7 61.1#



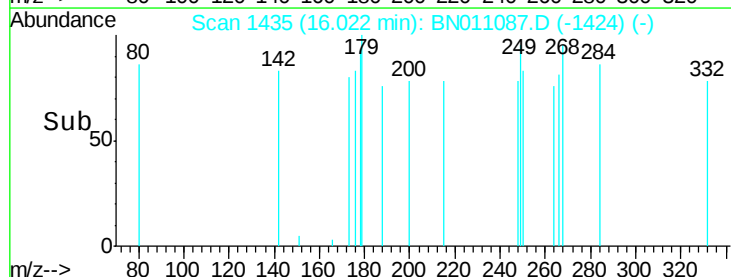
Abundance Ion 200.00 (199.70 to 200.70): E

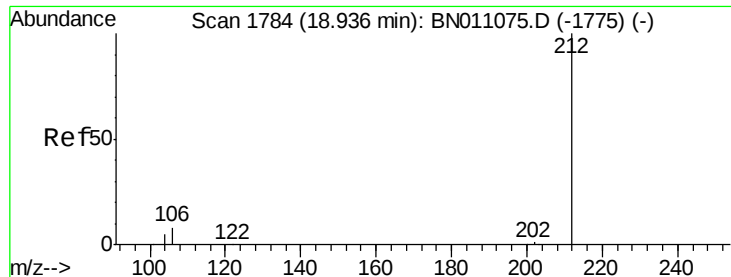
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.02

Time-->

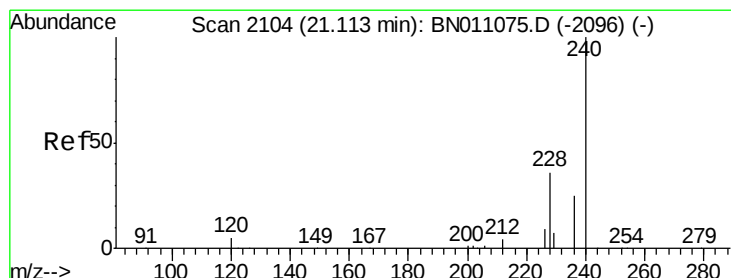
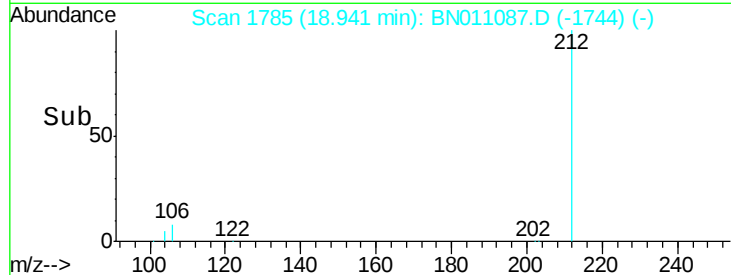
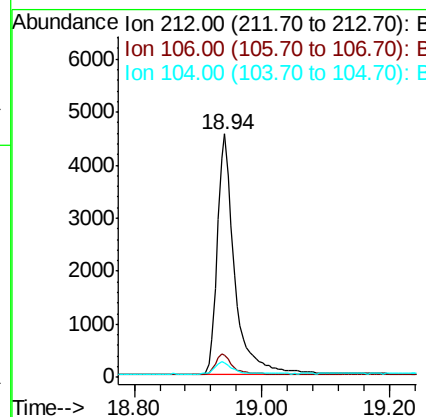
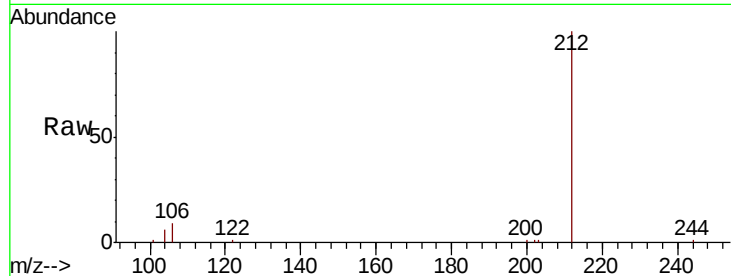




#27
 Fluoranthene-d10
 Concen: 0.402 ng
 RT: 18.94 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: BN011087.D
 Acq: 02 Jul 2020 15:54

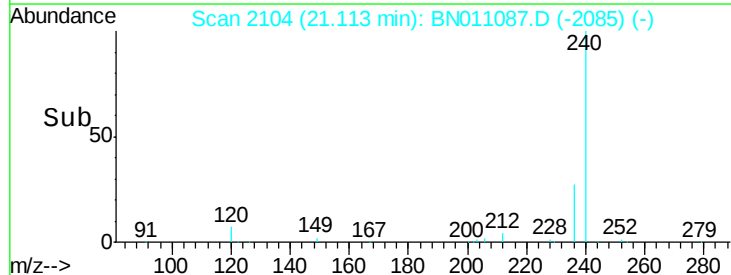
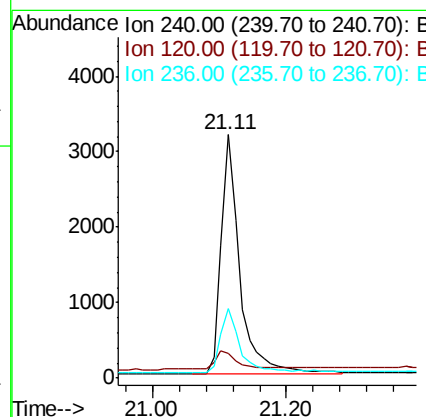
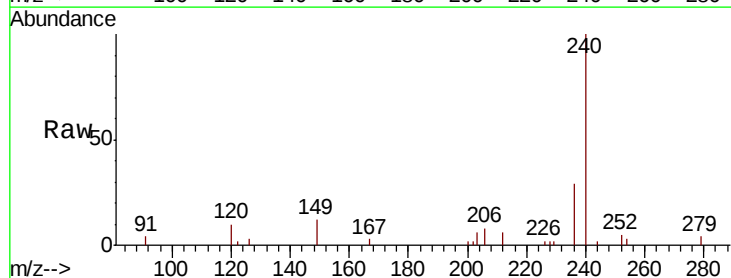
Instrument :
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 PB129884BL

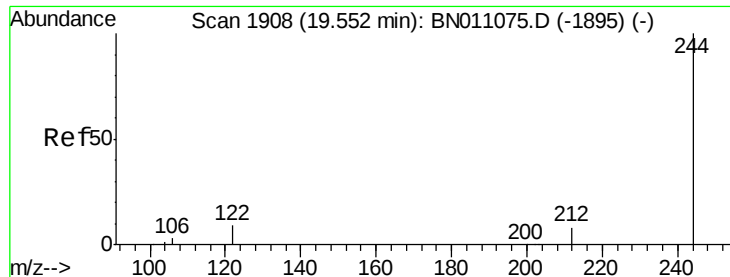
Tot Ion:212 Resp: 8717
 Ion Ratio Lower Upper
 212 100
 106 8.5 7.1 10.7
 104 5.3 4.2 6.4



#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.11 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: BN011087.D
 Acq: 02 Jul 2020 15:54

Tgt Ion:240 Resp: 6141
 Ion Ratio Lower Upper
 240 100
 120 10.4 6.5 9.7#
 236 28.7 21.9 32.9





#31

Terphenyl-d14

Concen: 0.406 ng

RT: 19.55 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

Instrument :

BNA_N

ClientSampleId :

PB129884BL

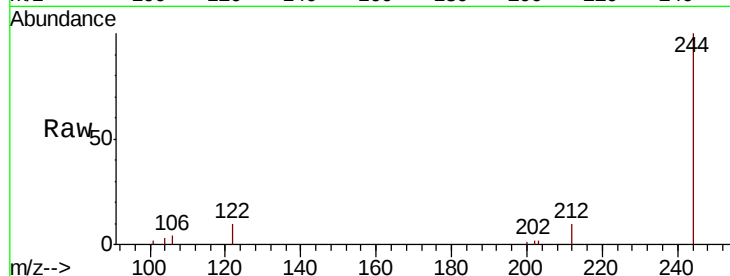
Tot Ion:244 Resp: 6484

Ion Ratio Lower Upper

244 100

212 9.6 7.5 11.3

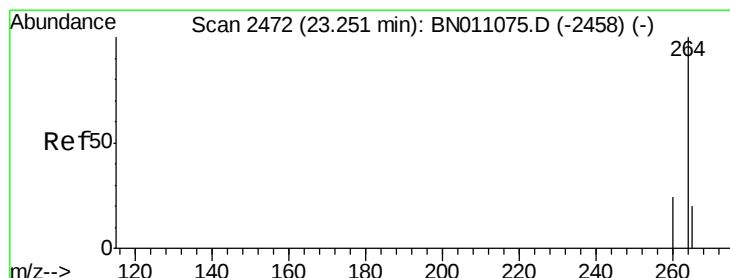
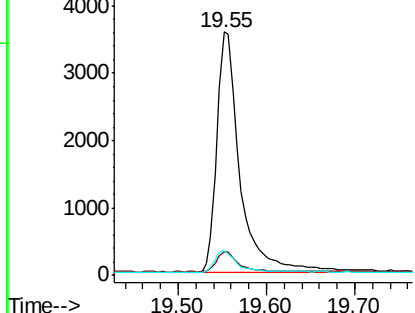
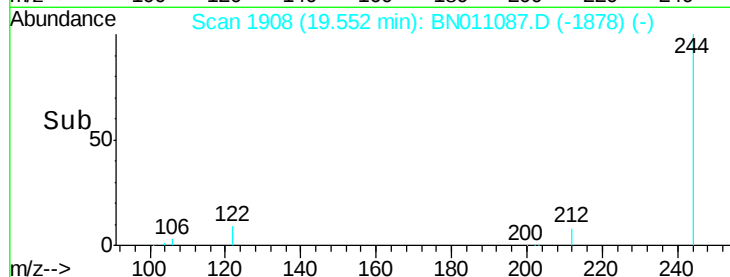
122 10.3 8.2 12.4



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# 2472

Delta R.T. -0.00 min

Lab File: BN011087.D

Acq: 02 Jul 2020 15:54

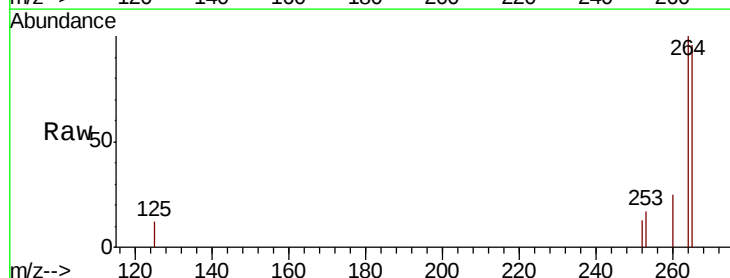
Tgt Ion:264 Resp: 6263

Ion Ratio Lower Upper

264 100

260 25.1 20.4 30.6

265 95.6 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

