

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061720\
 Data File : BN010950.D
 Acq On : 17 Jun 2020 20:46
 Operator : CG/JU
 Sample : L3020-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 FD-01_061620

Quant Time: Jun 18 00:14:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 13:14:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2527	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	9036	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	5036	0.40	ng	0.00
19) Phenanthrene-d10	16.91	188	10261	0.40	ng	0.00
27) Chrysene-d12	21.12	240	9001	0.40	ng	0.00
34) Perylene-d12	23.27	264	9312	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	889	0.18	ng	0.00
5) Phenol-d6	6.74	99	645	0.11	ng	0.00
8) Nitrobenzene-d5	8.68	82	2759	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.88	152	6382	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	690	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.78	172	8697	0.44	ng	-0.01
25) Fluoranthene-d10	18.95	212	15562	0.55	ng	0.00
29) Terphenyl-d14	19.56	244	11290	0.54	ng	0.00

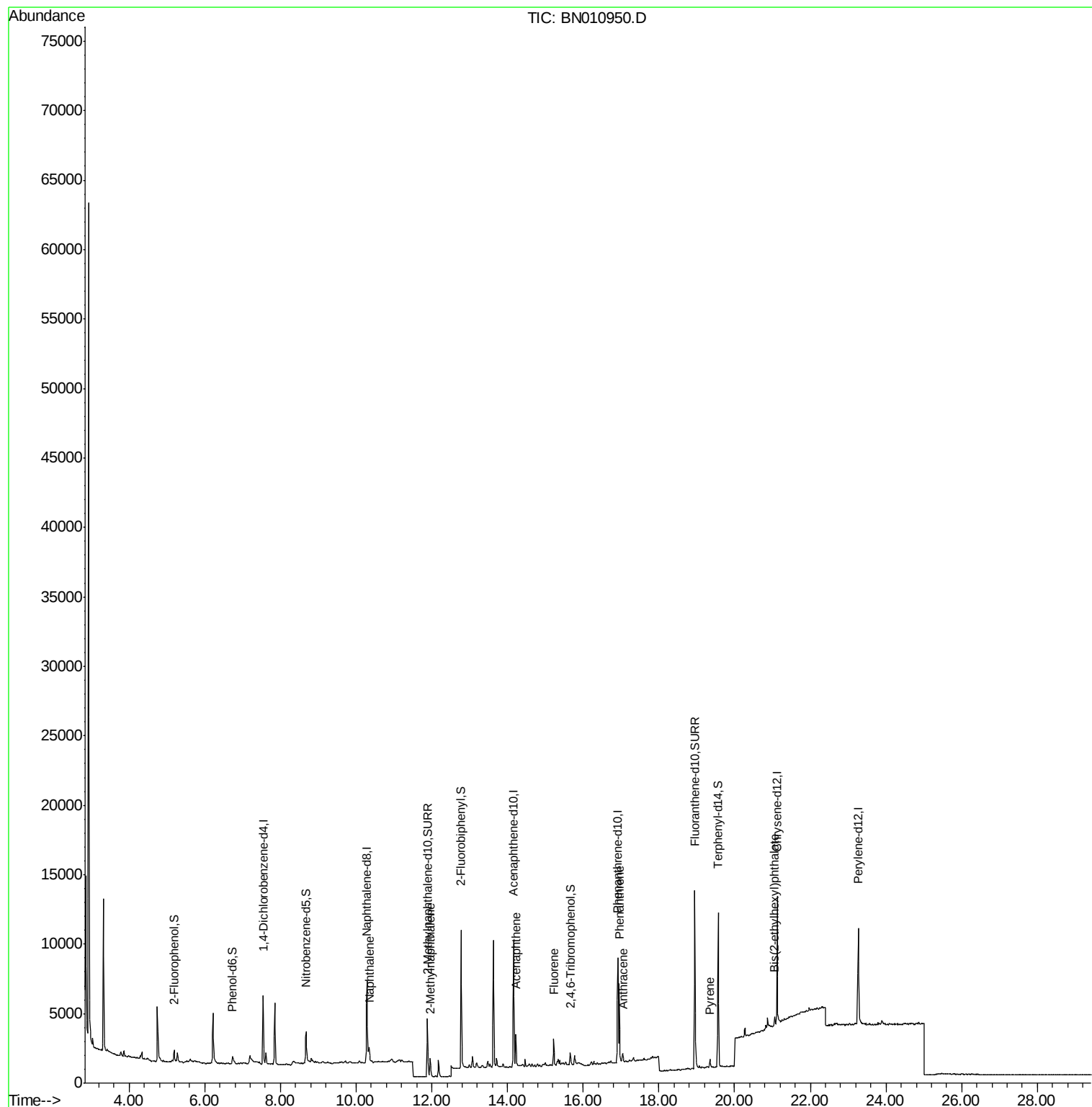
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.34	128	1494	0.066	ng	# 89
12) 2-Methylnaphthalene	11.96	142	1020	0.067	ng	97
17) Acenaphthene	14.22	154	1180	0.084	ng	99
18) Fluorene	15.22	166	1158	0.064	ng	97
23) Phenanthrene	16.95	178	6058	0.216	ng	100
24) Anthracene	17.05	178	778	0.033	ng	96
28) Pyrene	19.35	202	606	0.020	ng	# 80
32) Bis(2-ethylhexyl)phthalate	21.06	149	689	0.078	ng	# 92

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

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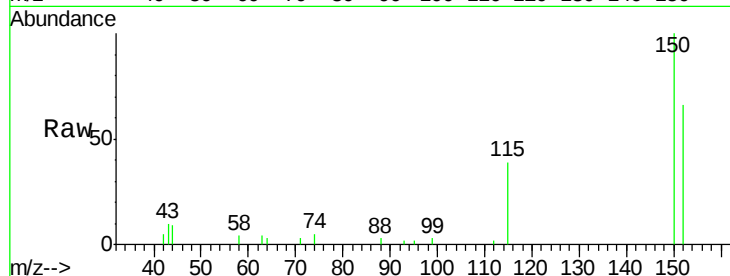


#1

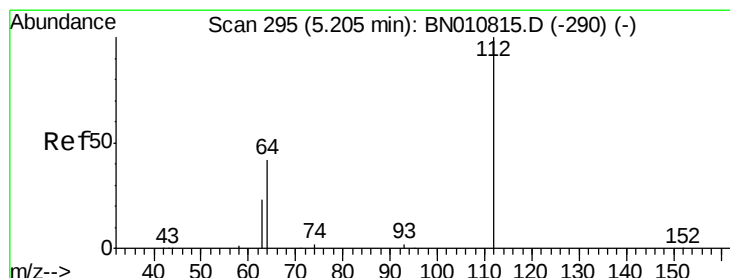
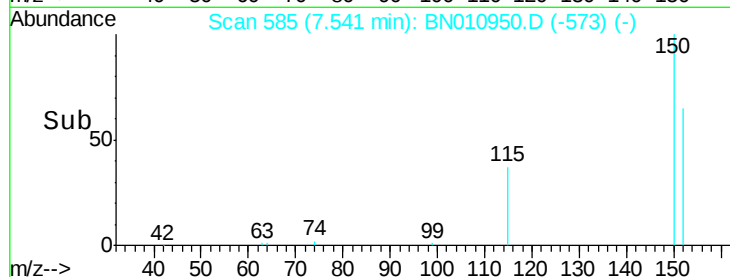
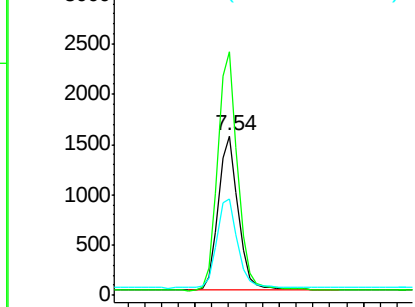
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.00 min
Lab File: BN010950.D
Acq: 17 Jun 2020 20:46

Instrument :
BNA_N
ClientSampleId :
FD-01_061620

Tot Ion:152 Resp: 2527
Ion Ratio Lower Upper
152 100
150 152.6 123.8 185.6
115 60.2 49.2 73.8



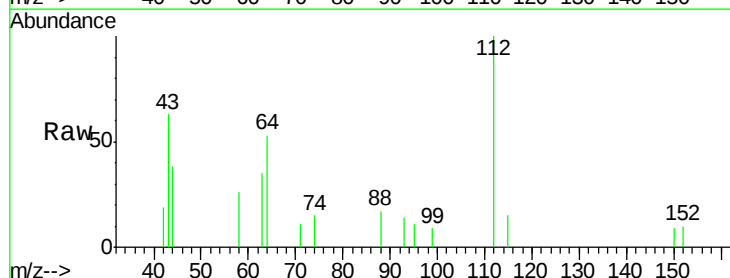
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



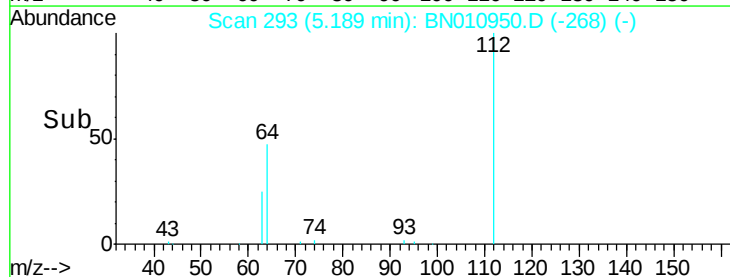
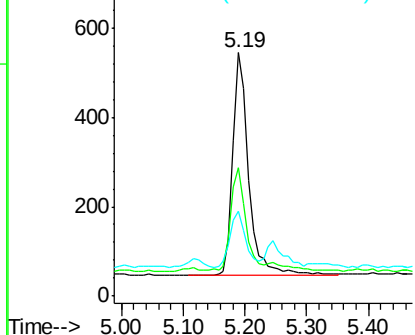
#4

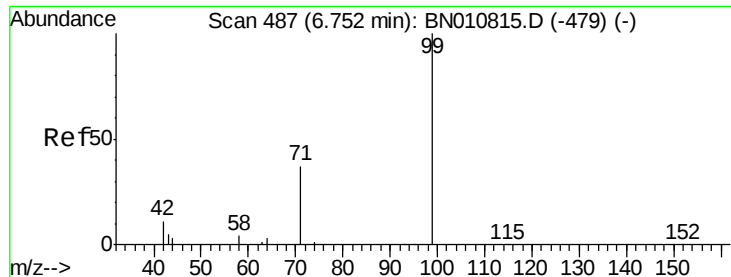
2-Fluorophenol
Concen: 0.182 ng
RT: 5.19 min Scan# 293
Delta R.T. -0.00 min
Lab File: BN010950.D
Acq: 17 Jun 2020 20:46

Tgt Ion:112 Resp: 889
Ion Ratio Lower Upper
112 100
64 42.0 37.4 56.0
63 24.2 22.2 33.4



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: 0.112 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Instrument :

BNA_N

ClientSampleId :

FD-01_061620

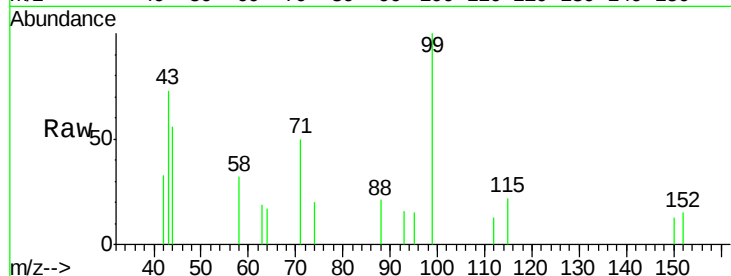
Tot Ion: 99 Resp: 645

Ion Ratio Lower Upper

99 100

42 10.2 11.1 16.7#

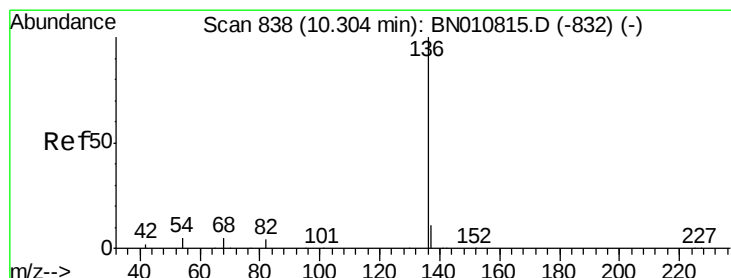
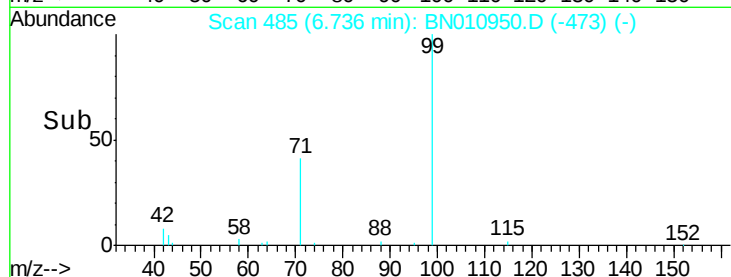
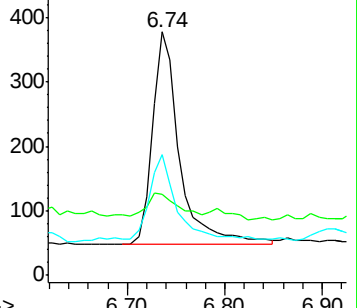
71 39.1 31.4 47.2



Abundance Ion 99.00 (98.70 to 99.70): BN010815.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN010815.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN010815.D (-479) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Tgt Ion: 136 Resp: 9036

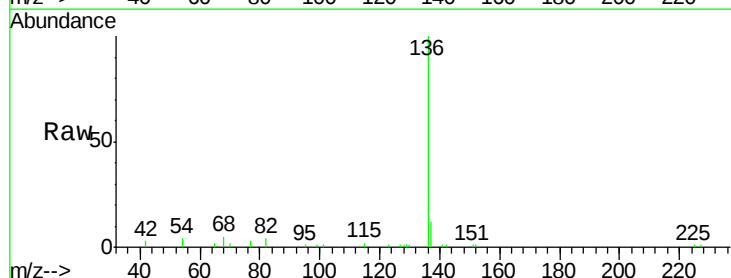
Ion Ratio Lower Upper

136 100

137 11.9 9.7 14.5

54 4.2 4.9 7.3#

68 4.7 4.7 7.1#

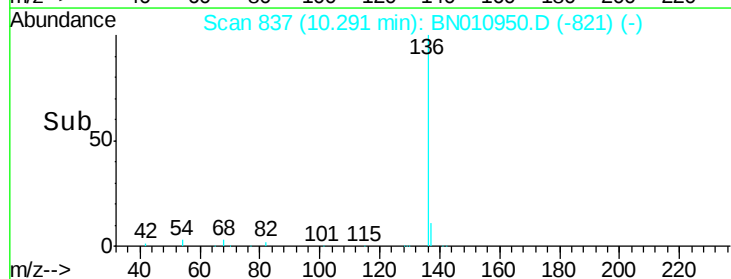
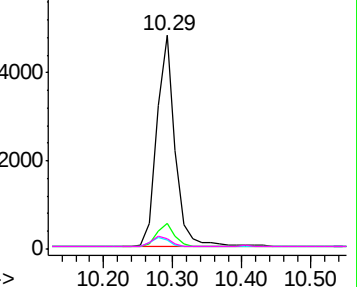


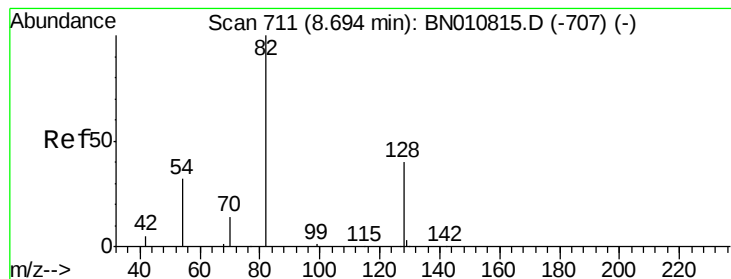
Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

Ion 137.00 (136.70 to 137.70): BN010815.D (-832) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-832) (-)

Ion 68.00 (67.70 to 68.70): BN010815.D (-832) (-)





#8

Nitrobenzene-d5

Concen: 0.413 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Instrument :

BNA_N

ClientSampleId :

FD-01_061620

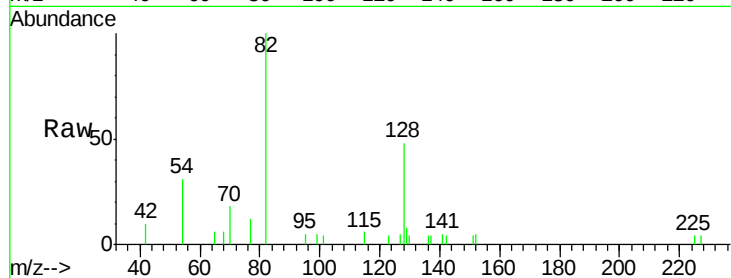
Tot Ion: 82 Resp: 2759

Ion Ratio Lower Upper

82 100

128 47.8 35.4 53.0

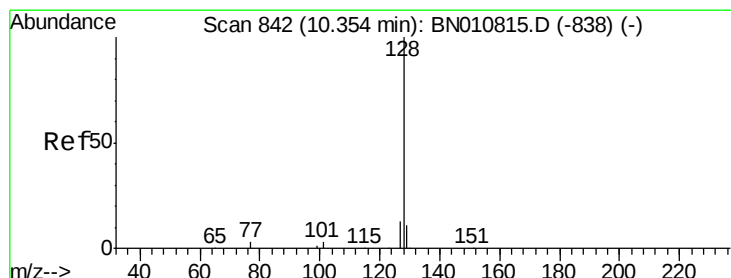
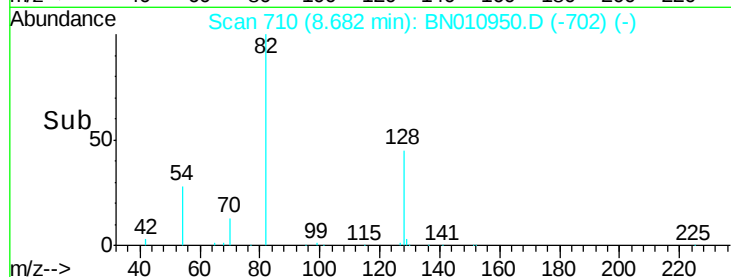
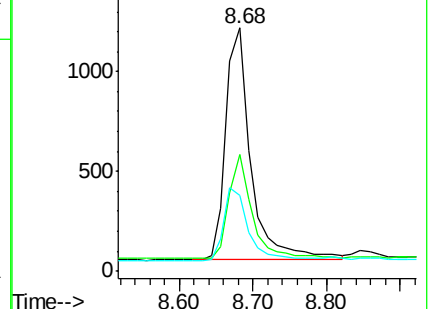
54 31.2 28.2 42.4



Abundance Ion 82.00 (81.70 to 82.70): BN010950.D (-702) (-)

Ion 128.00 (127.70 to 128.70): BN010950.D (-702) (-)

Ion 54.00 (53.70 to 54.70): BN010950.D (-702) (-)



#9

Naphthalene

Concen: 0.066 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

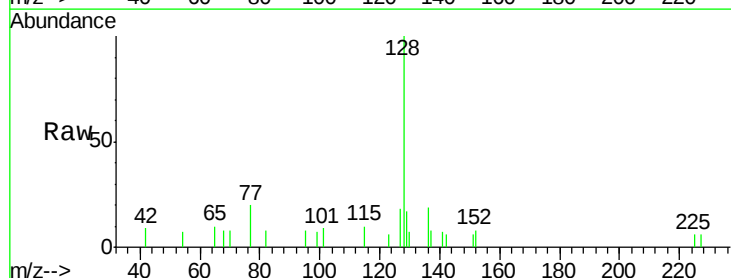
Tgt Ion: 128 Resp: 1494

Ion Ratio Lower Upper

128 100

129 17.0 9.6 14.4#

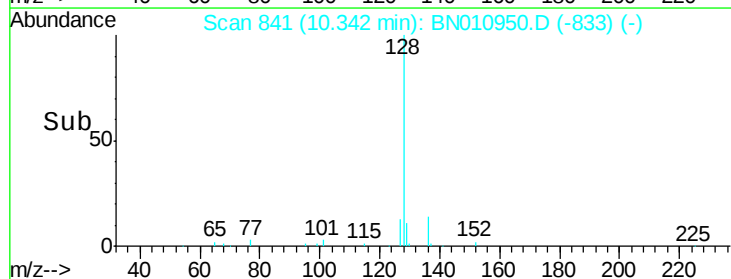
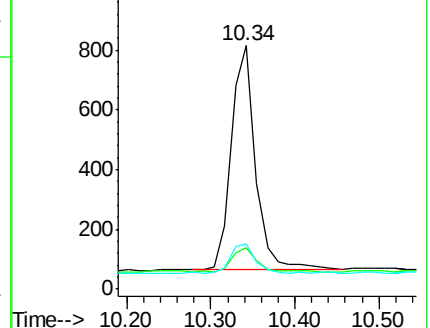
127 18.4 11.4 17.2#

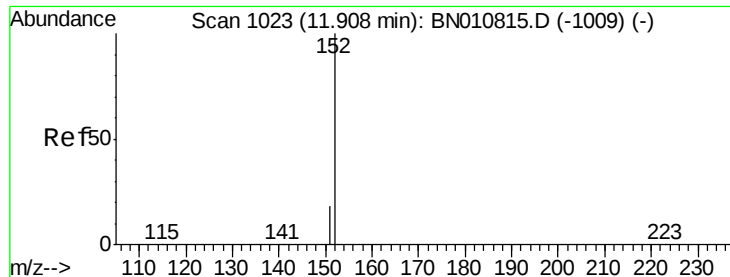


Abundance Ion 128.00 (127.70 to 128.70): BN010950.D (-833) (-)

Ion 129.00 (128.70 to 129.70): BN010950.D (-833) (-)

Ion 127.00 (126.70 to 127.70): BN010950.D (-833) (-)

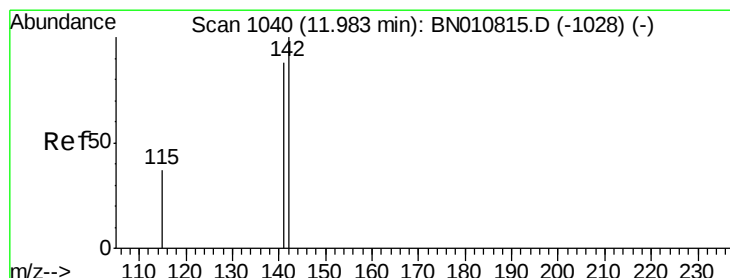
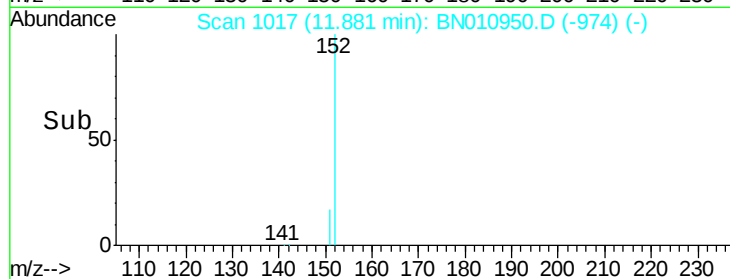
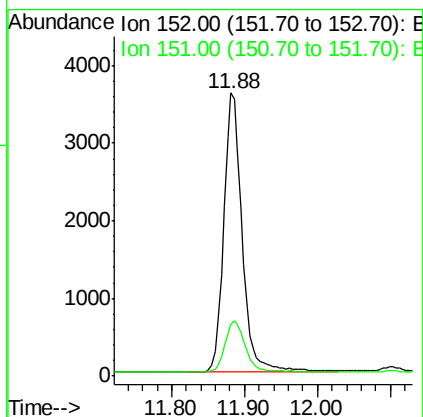
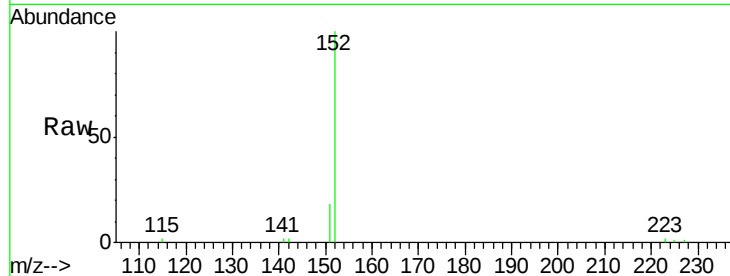




#11
 2-Methylnaphthalene-d10
 Concen: 0.455 ng
 RT: 11.88 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BN010950.D
 Acq: 17 Jun 2020 20:46

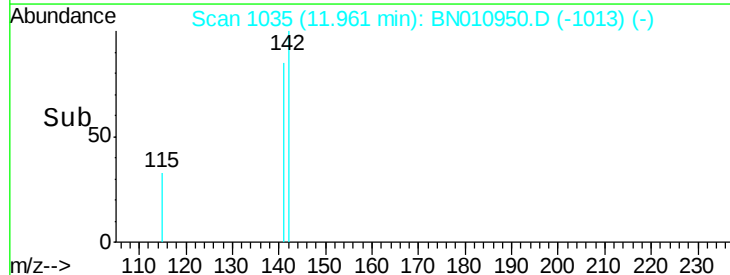
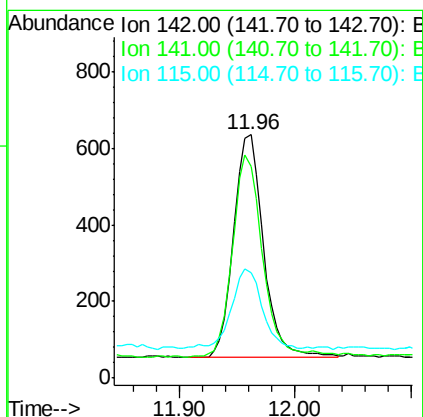
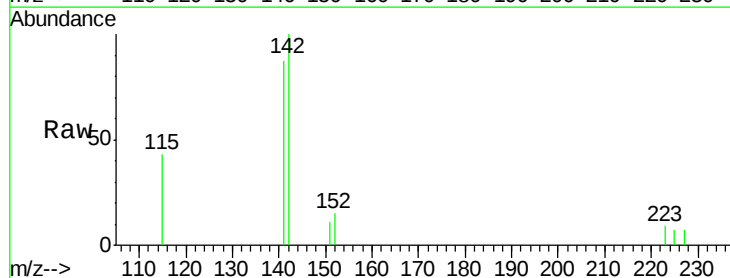
Instrument :
 BNA_N
 ClientSampleId :
 FD-01_061620

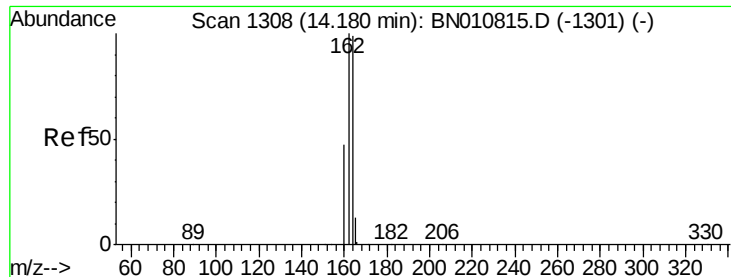
Tot Ion:152 Resp: 6382
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.067 ng
 RT: 11.96 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BN010950.D
 Acq: 17 Jun 2020 20:46

Tgt Ion:142 Resp: 1020
 Ion Ratio Lower Upper
 142 100
 141 86.9 70.8 106.2
 115 43.2 31.5 47.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Instrument :

BNA_N

ClientSampleId :

FD-01_061620

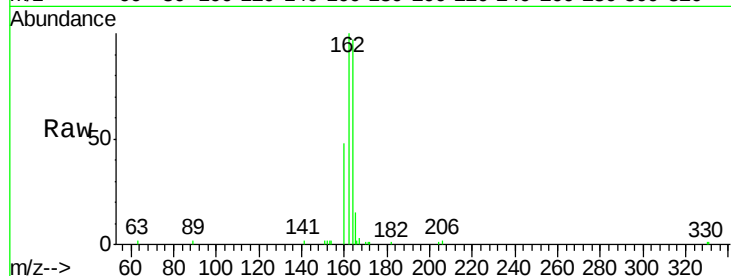
Tot Ion:164 Resp: 5036

Ion Ratio Lower Upper

164 100

162 102.8 81.0 121.6

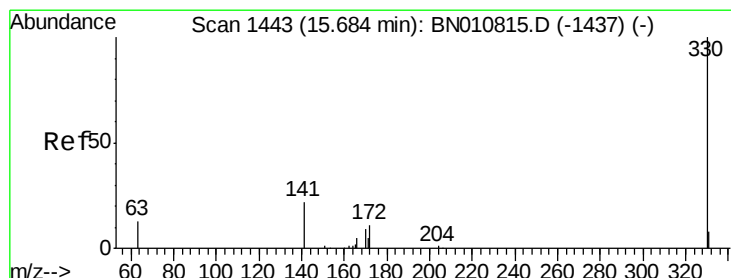
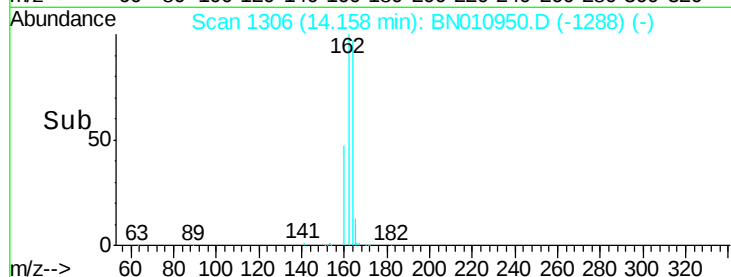
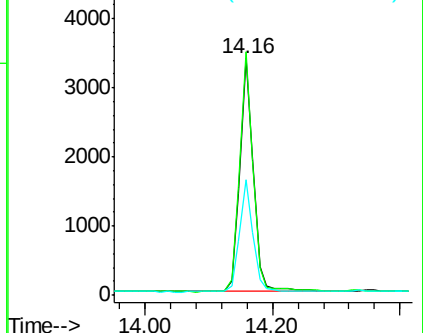
160 49.0 38.9 58.3



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: 0.383 ng

RT: 15.66 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

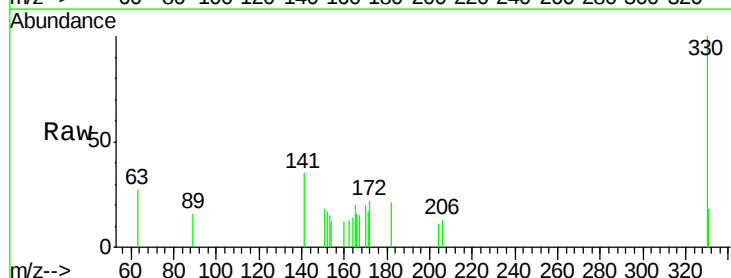
Tgt Ion:330 Resp: 690

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

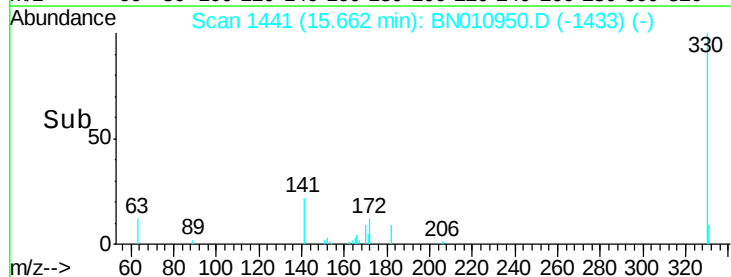
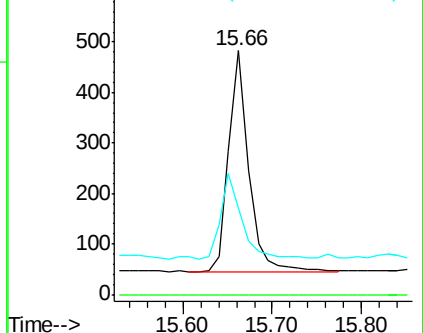
141 39.0 33.2 49.8

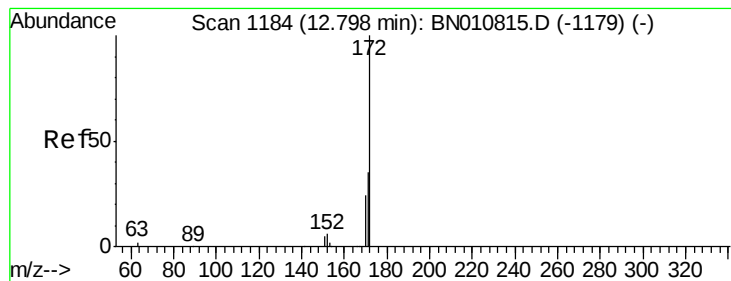


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.438 ng

RT: 12.78 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Instrument :

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ClientSampleId :

FD-01_061620

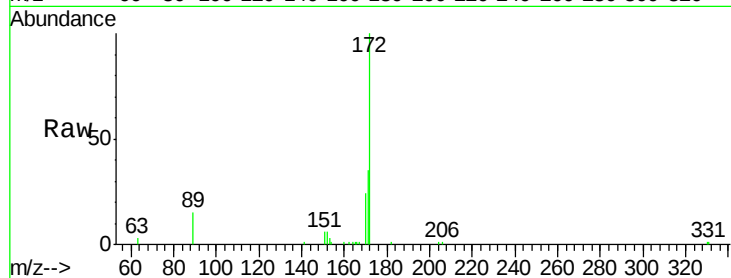
Tot Ion:172 Resp: 8697

Ion Ratio Lower Upper

172 100

171 35.5 28.5 42.7

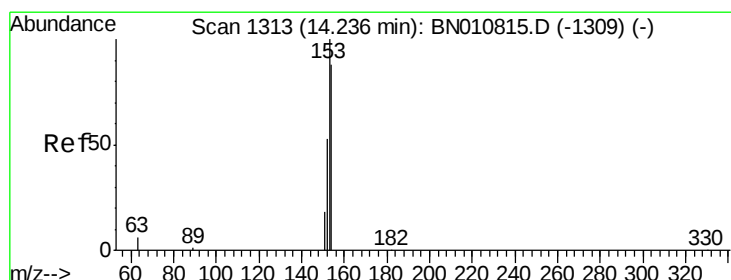
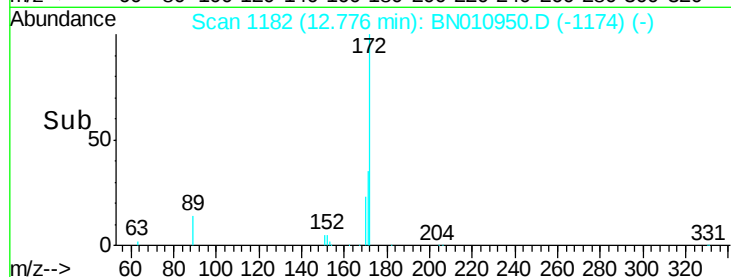
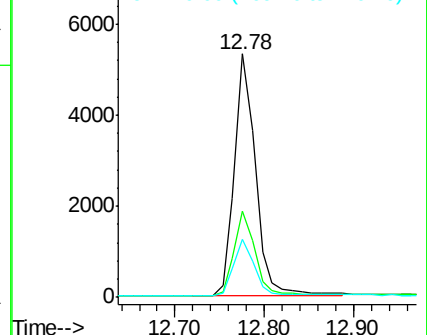
170 24.0 19.7 29.5



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



#17

Acenaphthene

Concen: 0.084 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

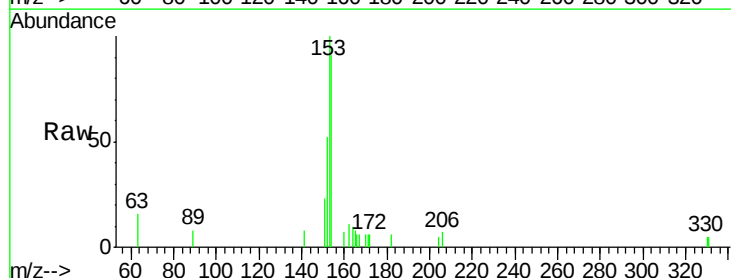
Tgt Ion:154 Resp: 1180

Ion Ratio Lower Upper

154 100

153 114.4 91.8 137.6

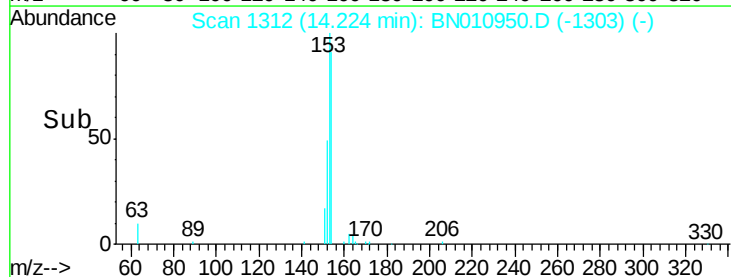
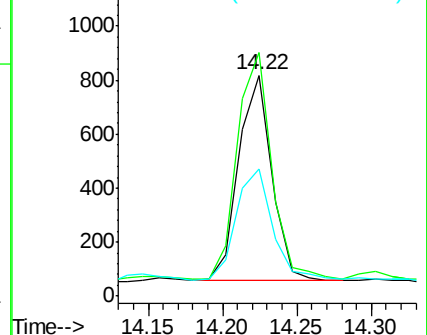
152 61.1 47.6 71.4

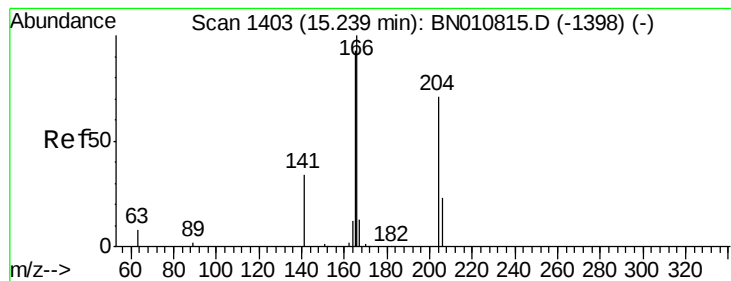


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.064 ng

RT: 15.22 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Instrument :

BNA_N

ClientSampleId :

FD-01_061620

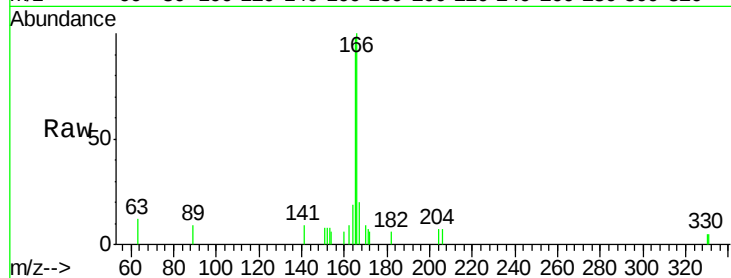
Tot Ion:166 Resp: 1158

Ion Ratio Lower Upper

166 100

165 94.0 77.2 115.8

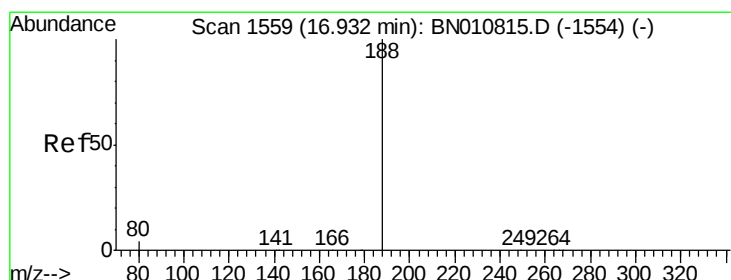
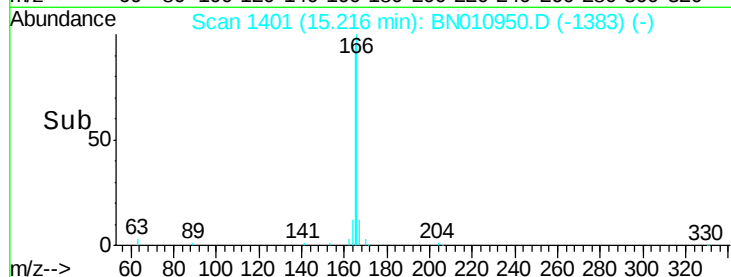
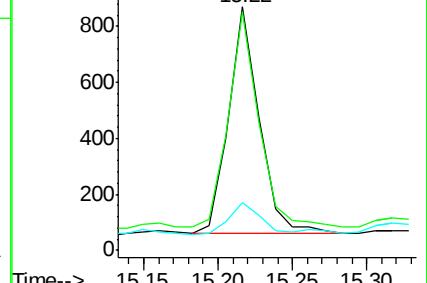
167 14.5 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.91 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

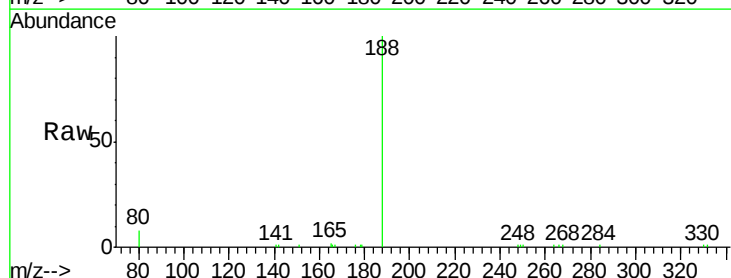
Tgt Ion:188 Resp: 10261

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

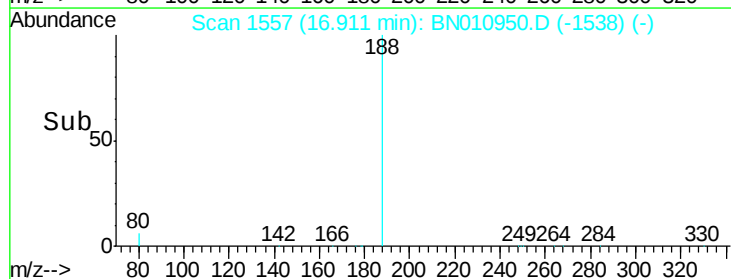
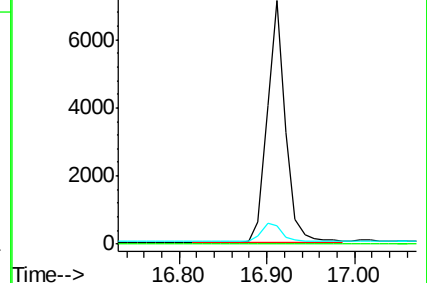
80 7.6 4.5 6.7#

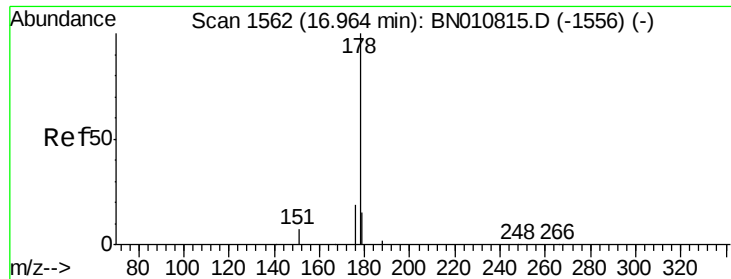


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.216 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Instrument :

BNA_N

ClientSampleId :

FD-01_061620

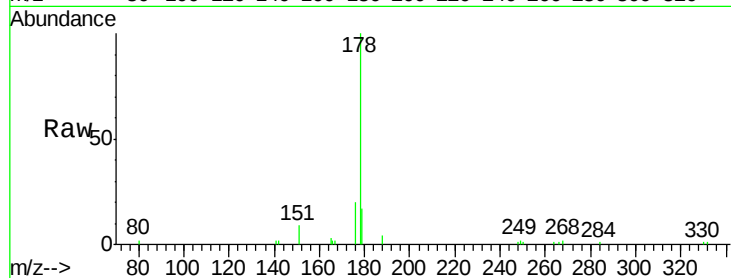
Tot Ion:178 Resp: 6058

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

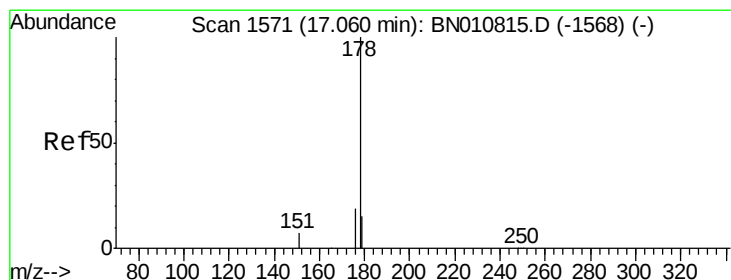
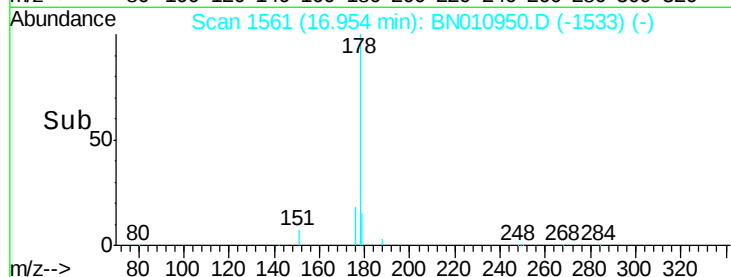
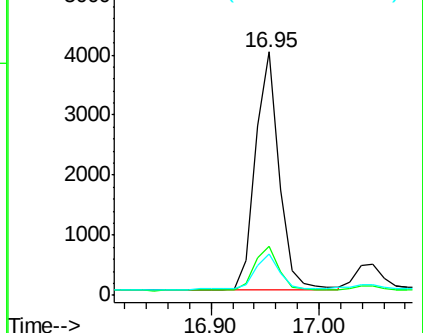
179 16.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.033 ng

RT: 17.05 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

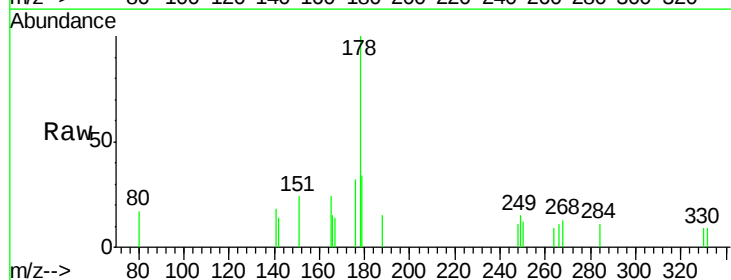
Tgt Ion:178 Resp: 778

Ion Ratio Lower Upper

178 100

176 15.6 14.6 22.0

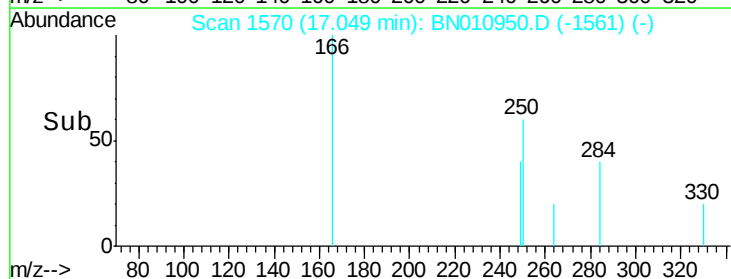
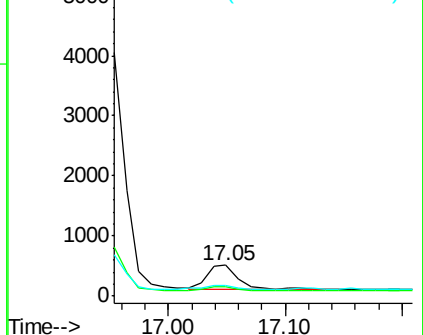
179 15.7 12.3 18.5

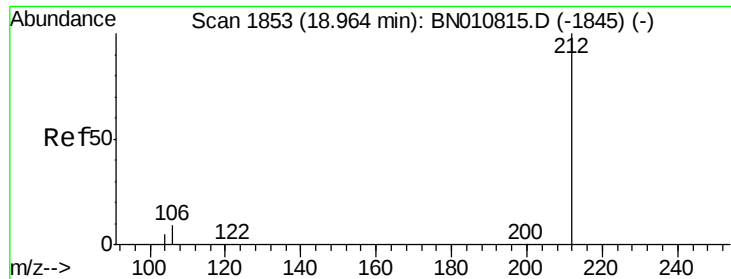


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.550 ng

RT: 18.95 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Instrument :

BNA_N

ClientSampleId :

FD-01_061620

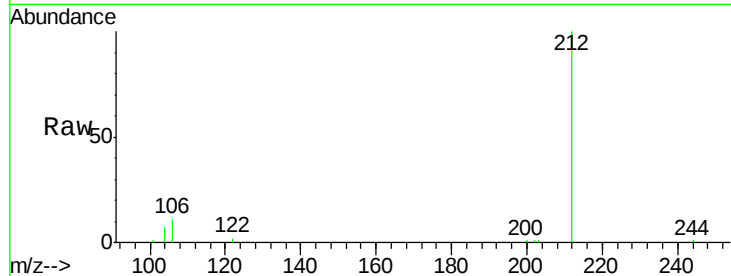
Tot Ion:212 Resp: 15562

Ion Ratio Lower Upper

212 100

106 9.7 6.6 10.0

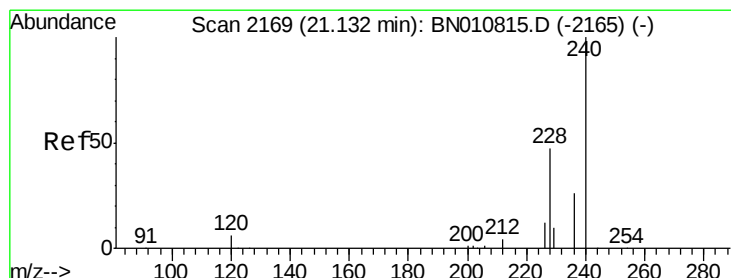
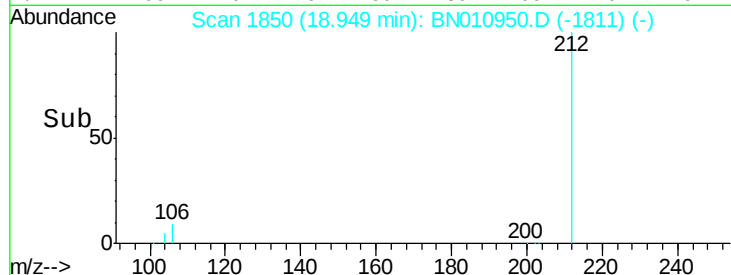
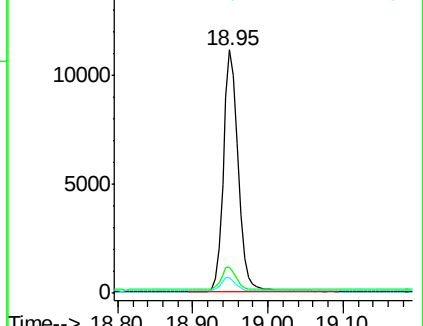
104 5.7 4.0 6.0



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

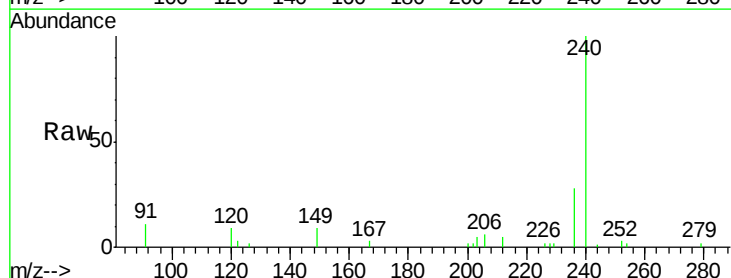
Tgt Ion:240 Resp: 9001

Ion Ratio Lower Upper

240 100

120 9.3 7.5 11.3

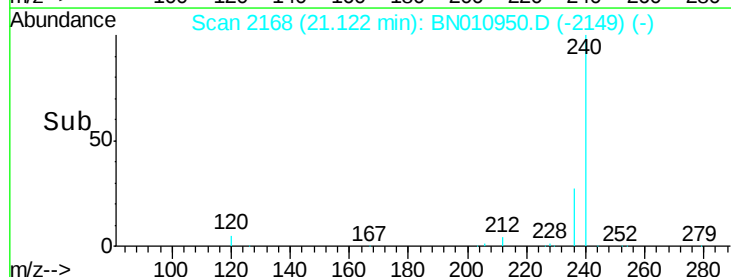
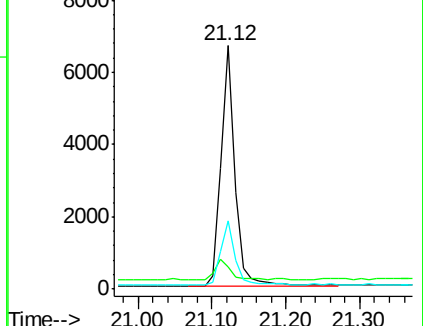
236 28.1 22.3 33.5

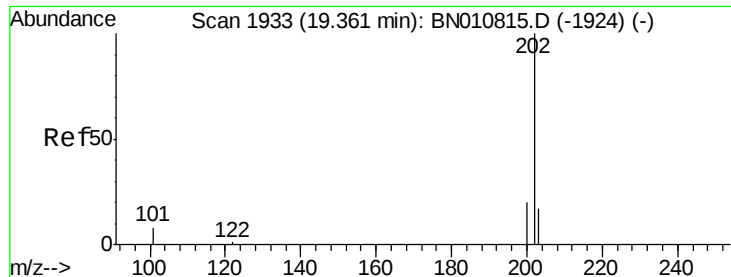


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.020 ng

RT: 19.35 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

Instrument :

BNA_N

ClientSampleId :

FD-01_061620

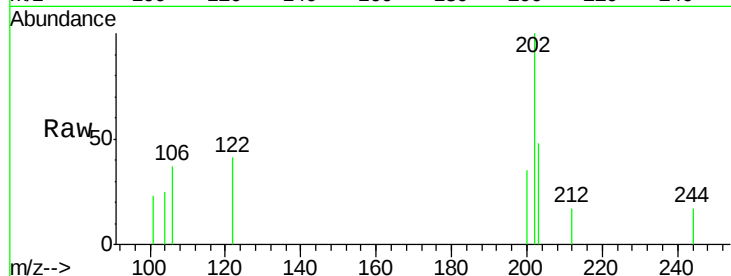
Tot Ion:202 Resp: 606

Ion Ratio Lower Upper

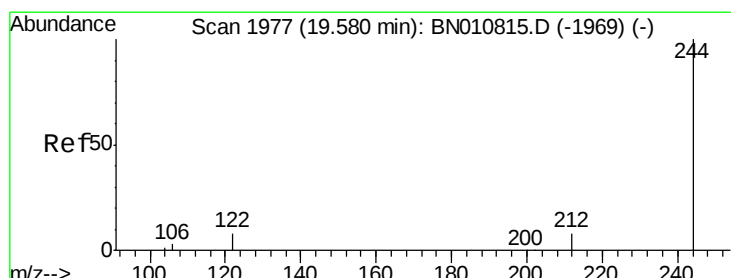
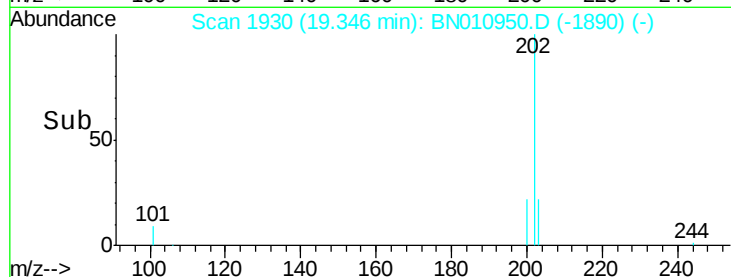
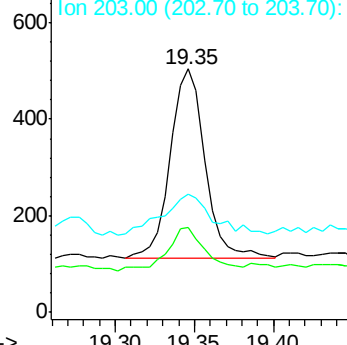
202 100

200 25.7 16.4 24.6#

203 30.7 14.2 21.4#



Abundance Ion 202.00 (201.70 to 202.70): E



#29

Terphenyl-d14

Concen: 0.536 ng

RT: 19.56 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN010950.D

Acq: 17 Jun 2020 20:46

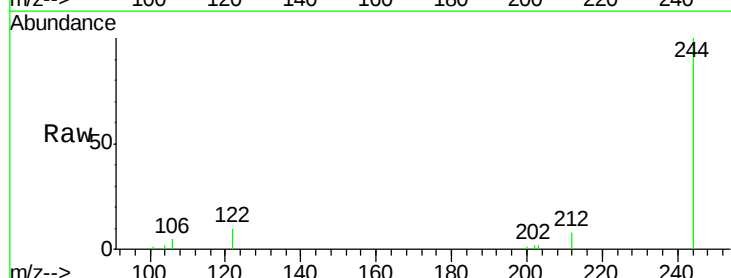
Tgt Ion:244 Resp: 11290

Ion Ratio Lower Upper

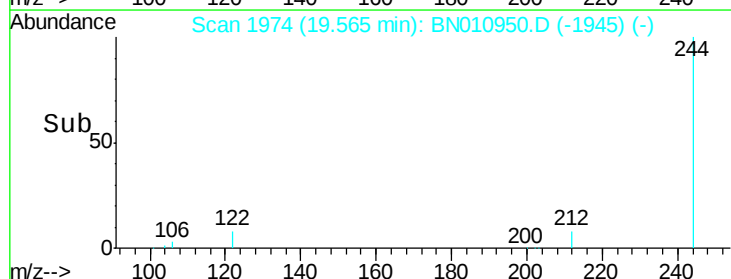
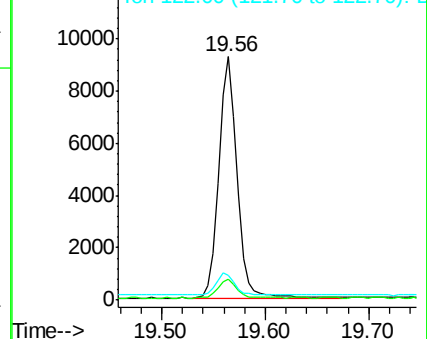
244 100

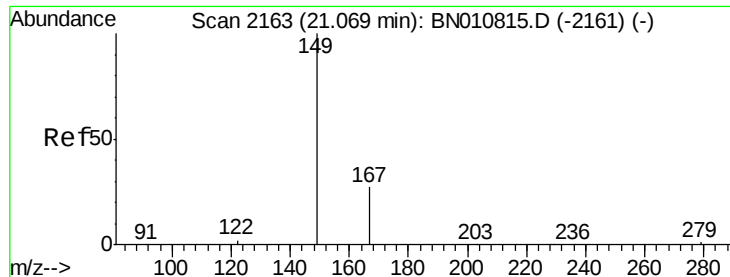
212 8.5 7.4 11.2

122 10.3 7.5 11.3



Abundance Ion 244.00 (243.70 to 244.70): E

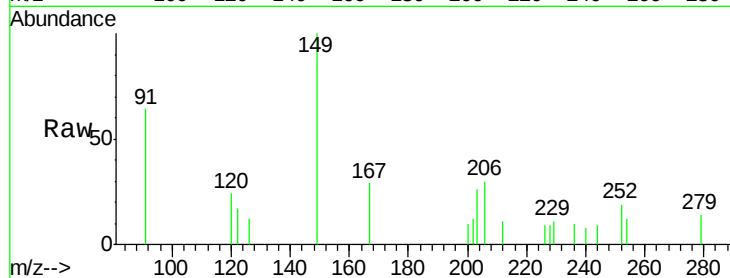




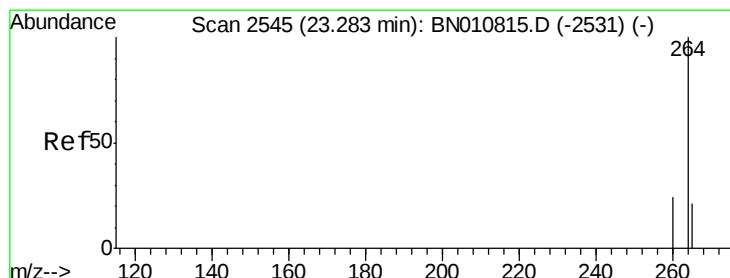
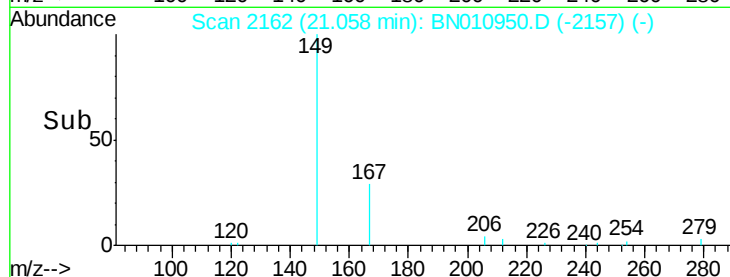
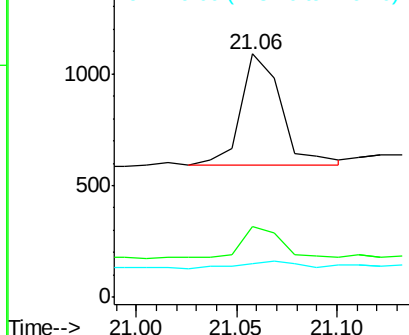
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.078 ng
 RT: 21.06 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BN010950.D
 Acq: 17 Jun 2020 20:46

Instrument :
 BNA_N
 ClientSampleId :
 FD-01_061620

Tot Ion:149 Resp: 689
 Ion Ratio Lower Upper
 149 100
 167 26.3 24.1 36.1
 279 9.3 4.6 7.0#

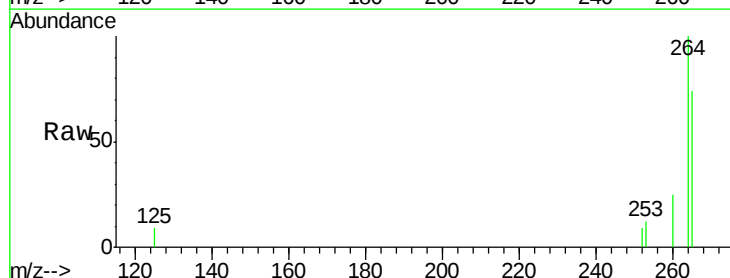


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.27 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BN010950.D
 Acq: 17 Jun 2020 20:46

Tgt Ion:264 Resp: 9312
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.4 30.6
 265 73.7 75.0 112.4#



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

