

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\
 Data File : BN010926.D
 Acq On : 17 Jun 2020 03:55
 Operator : CG/JU
 Sample : L2988-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D2-20200608

Quant Time: Jun 17 05:04:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 16 08:49:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2400	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	8333	0.40	ng	-0.01
13) Acenaphthene-d10	14.16	164	4437	0.40	ng	-0.01
19) Phenanthrene-d10	16.92	188	9370	0.40	ng	0.00
27) Chrysene-d12	21.12	240	9354	0.40	ng	-0.01
34) Perylene-d12	23.26	264	9795	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	660	0.14	ng	0.00
5) Phenol-d6	6.74	99	455	0.08	ng	0.00
8) Nitrobenzene-d5	8.68	82	2144	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	3930	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	593	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	6501	0.37	ng	0.00
25) Fluoranthene-d10	18.95	212	9548	0.37	ng	0.00
29) Terphenyl-d14	19.56	244	10871	0.50	ng	0.00

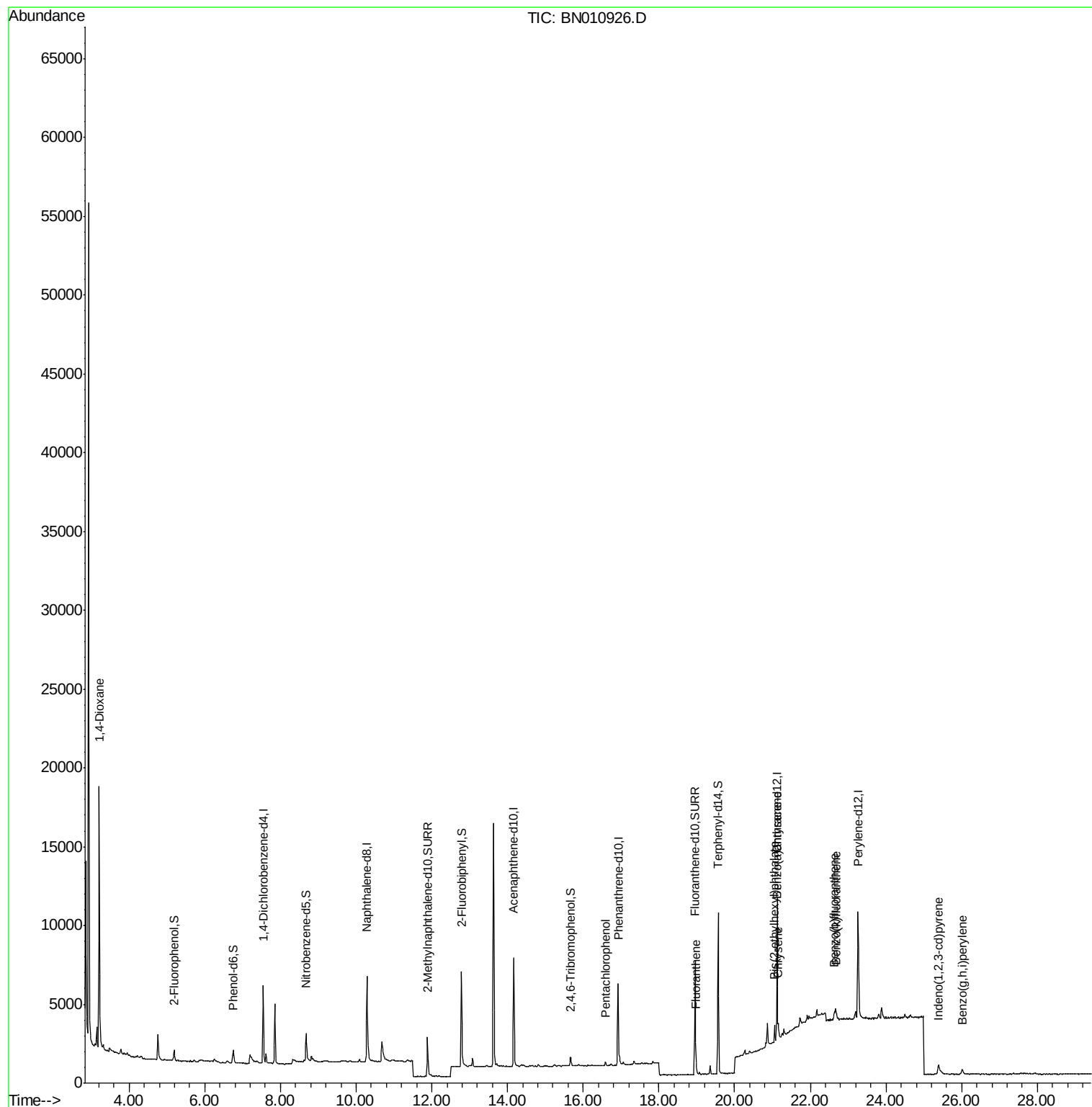
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.21	88	12315	5.239	ng	99
22) Pentachlorophenol	16.58	266	167	0.085	ng	91
26) Fluoranthene	18.98	202	587	0.020	ng	94
30) Benzo(a)anthracene	21.11	228	590	0.021	ng	# 76
31) Chrysene	21.15	228	652	0.020	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.06	149	944	0.103	ng	# 96
33) Indeno(1,2,3-cd)pyrene	25.38	276	805	0.022	ng	99
35) Benzo(b)fluoranthene	22.64	252	669	0.020	ng	# 1
36) Benzo(k)fluoranthene	22.68	252	711	0.020	ng	# 1
39) Benzo(a,h,i)perylene	26.01	276	720	0.021	ng	# 51

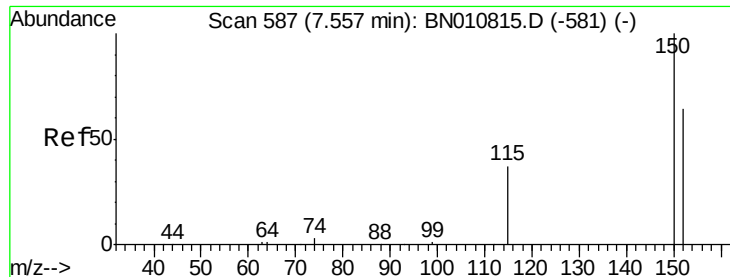
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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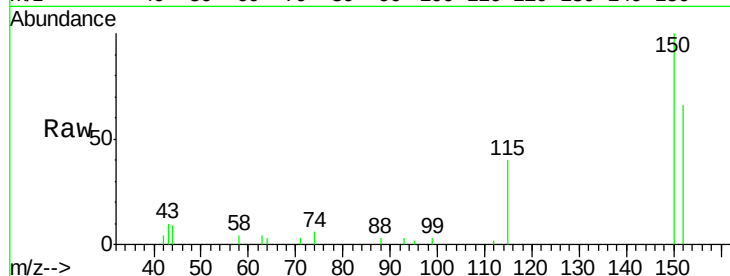


#1

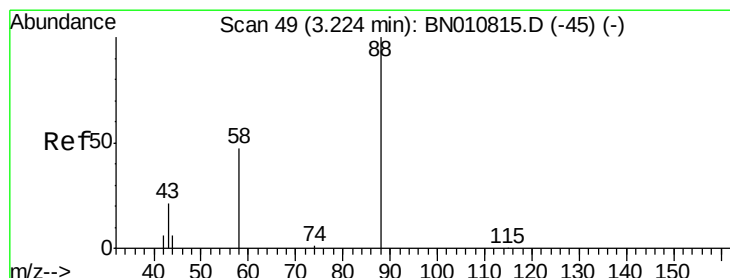
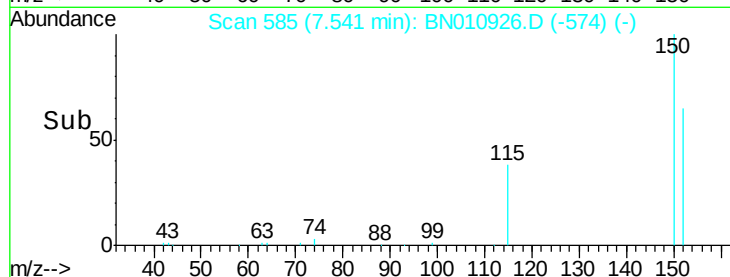
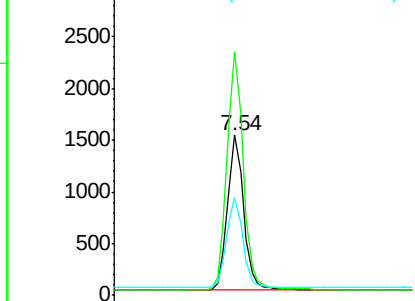
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.01 min
Lab File: BN010926.D
Acq: 17 Jun 2020 03:55

Instrument :
BNA_N
ClientSampleId :
RE132D2-20200608

Tot Ion:152 Resp: 2400
Ion Ratio Lower Upper
152 100
150 152.0 123.8 185.6
115 61.1 49.2 73.8



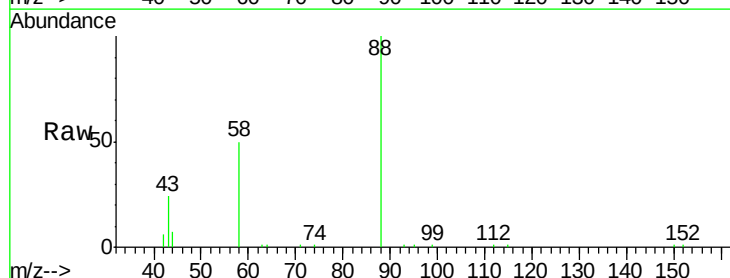
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



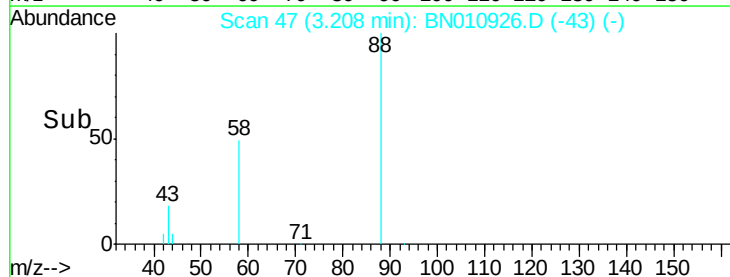
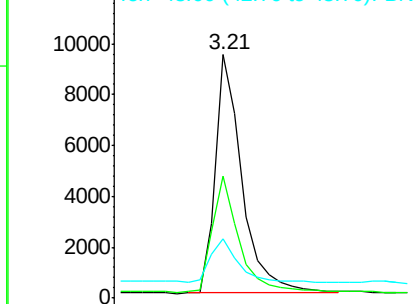
#2

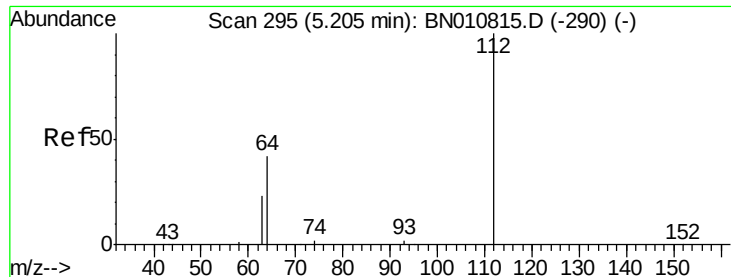
1,4-Dioxane
Concen: 5.239 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.02 min
Lab File: BN010926.D
Acq: 17 Jun 2020 03:55

Tgt Ion: 88 Resp: 12315
Ion Ratio Lower Upper
88 100
58 46.9 38.2 57.4
43 18.7 15.1 22.7



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 58.00 (57.70 to 58.70): BN0
Ion 43.00 (42.70 to 43.70): BN0





#4

2-Fluorophenol

Concen: 0.142 ng

RT: 5.20 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

Instrument :

BNA_N

ClientSampleId :

RE132D2-20200608

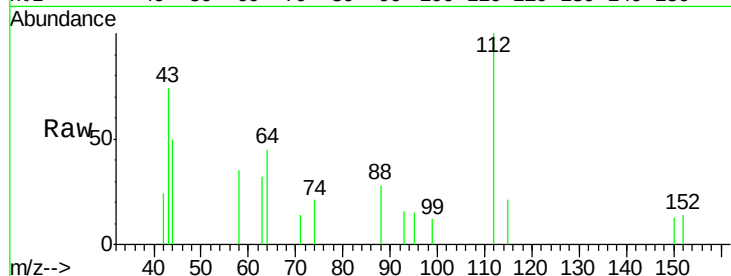
Tot Ion: 112 Resp: 660

Ion Ratio Lower Upper

112 100

64 43.8 37.4 56.0

63 24.7 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO

5.20

400

300

200

100

0

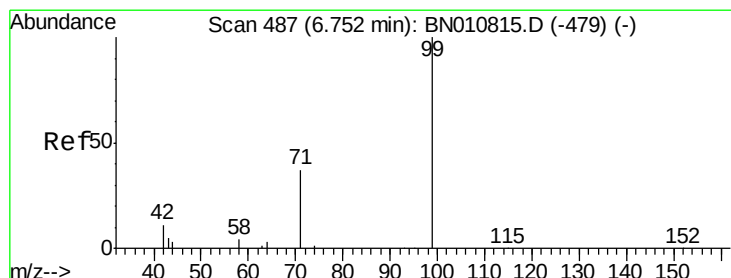
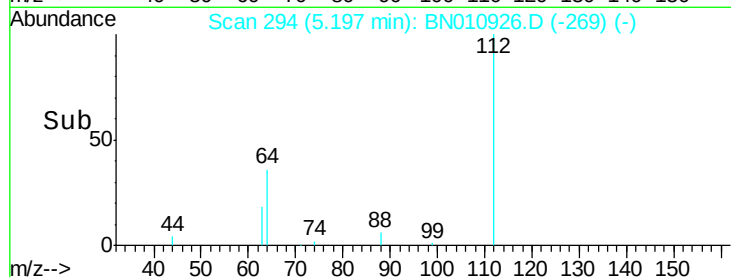
5.10

5.20

5.30

5.40

Time-->



#5

Phenol-d6

Concen: 0.083 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

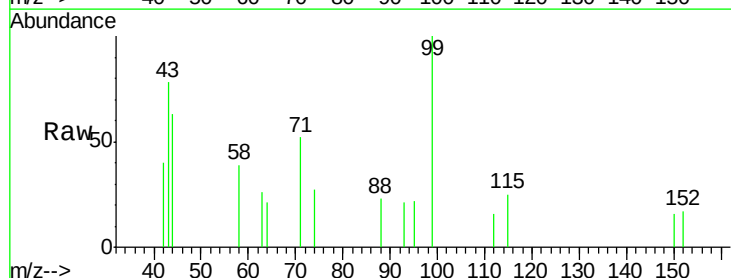
Tgt Ion: 99 Resp: 455

Ion Ratio Lower Upper

99 100

42 31.6 11.1 16.7#

71 40.0 31.4 47.2



Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO

6.74

400

300

200

100

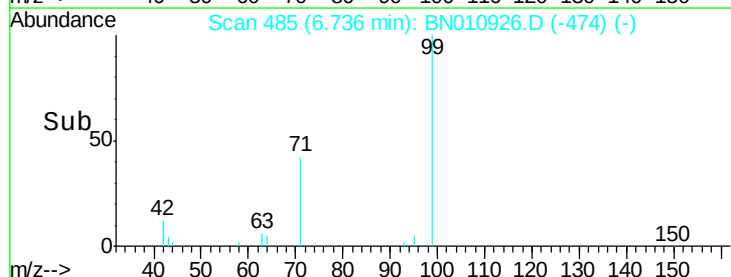
0

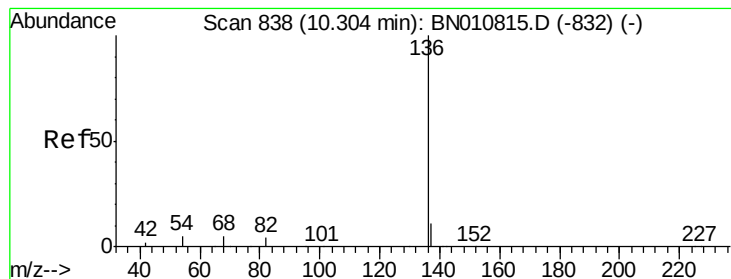
6.70

6.80

6.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

Instrument :

BNA_N

ClientSampleId :

RE132D2-20200608

Tot Ion:136 Resp: 8333

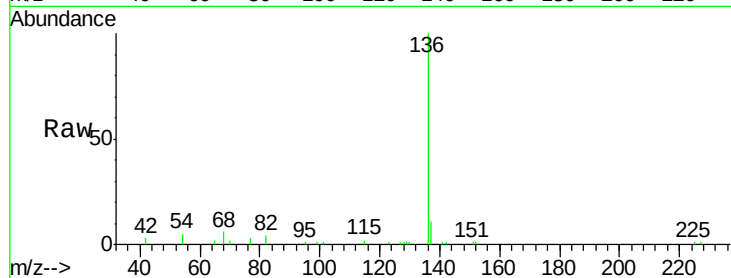
Ion Ratio Lower Upper

136 100

137 11.3 9.7 14.5

54 4.7 4.9 7.3#

68 5.6 4.7 7.1

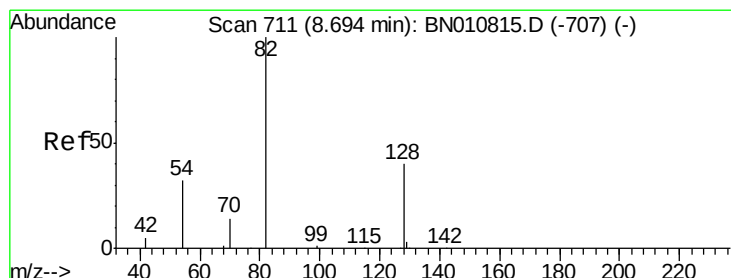
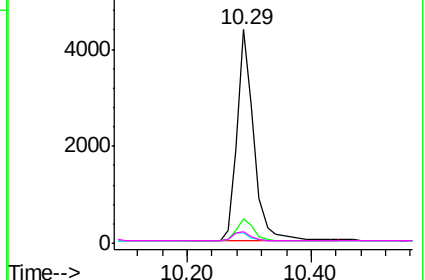
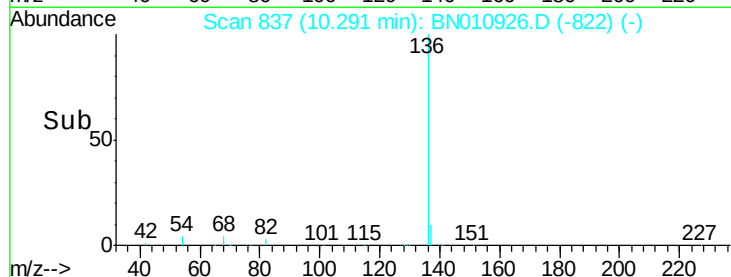


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.348 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.00 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

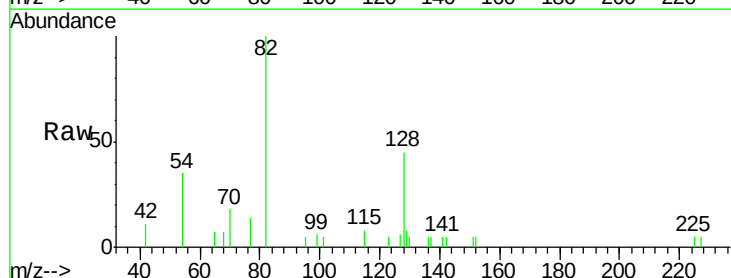
Tgt Ion: 82 Resp: 2144

Ion Ratio Lower Upper

82 100

128 45.0 35.4 53.0

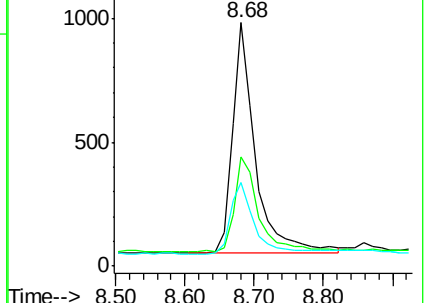
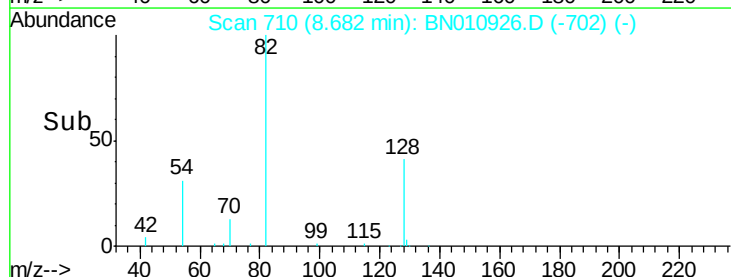
54 34.6 28.2 42.4

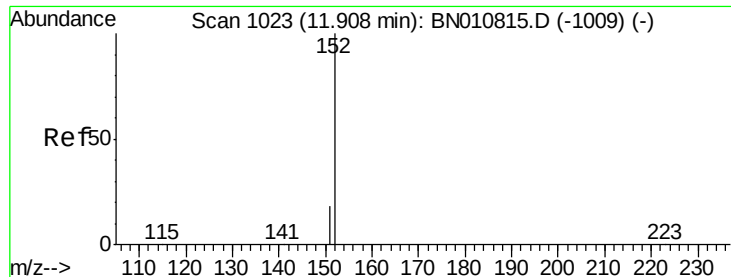


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

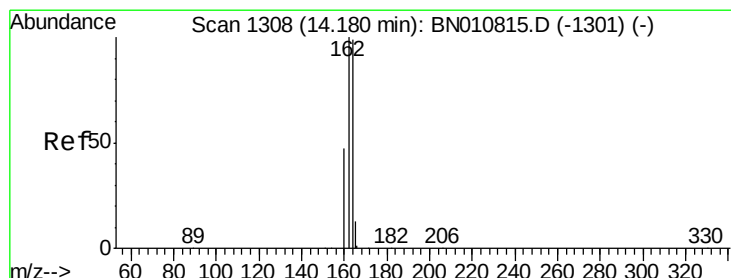
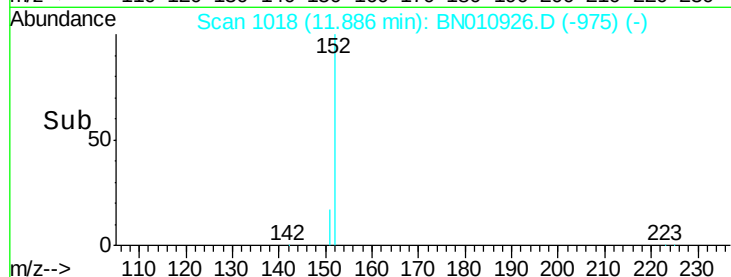
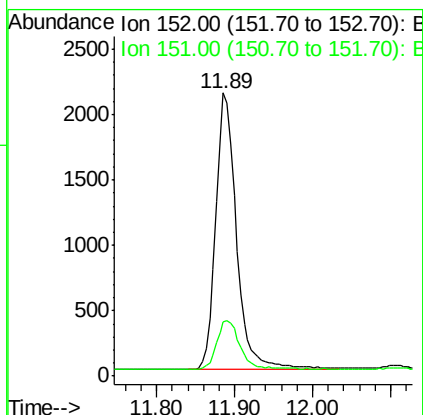
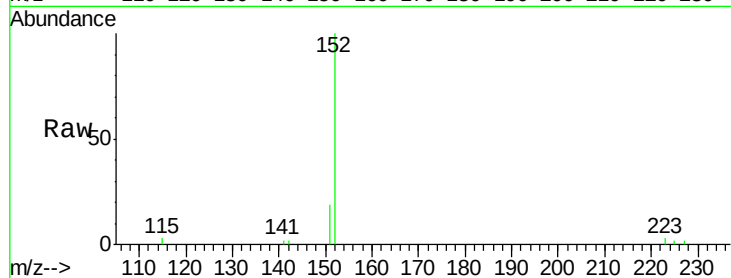




#11
2-Methylnaphthalene-d10
Concen: 0.304 ng
RT: 11.89 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BN010926.D
Acq: 17 Jun 2020 03:55

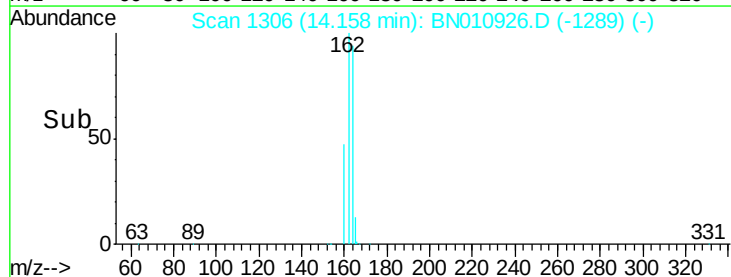
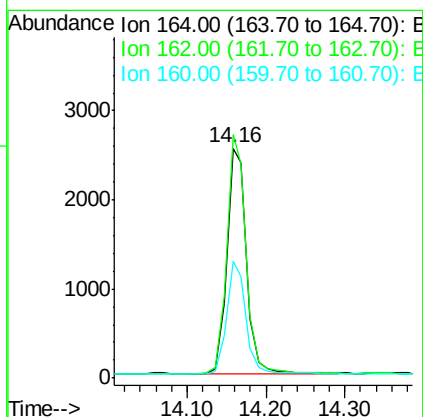
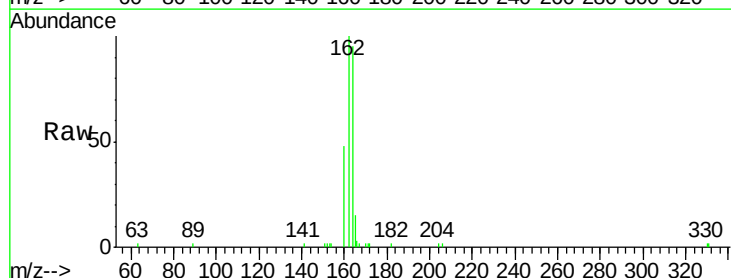
Instrument :
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RE132D2-20200608

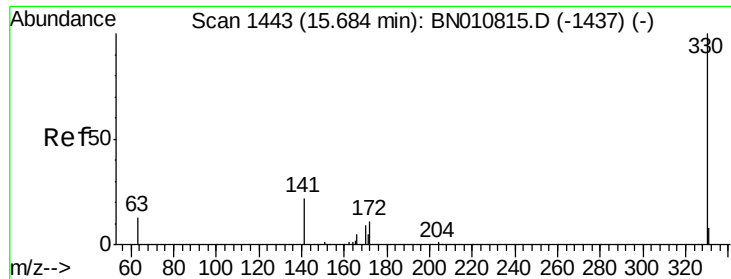
Tot Ion:152 Resp: 3930
Ion Ratio Lower Upper
152 100
151 19.7 15.3 22.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BN010926.D
Acq: 17 Jun 2020 03:55

Tgt Ion:164 Resp: 4437
Ion Ratio Lower Upper
164 100
162 105.8 81.0 121.6
160 50.7 38.9 58.3

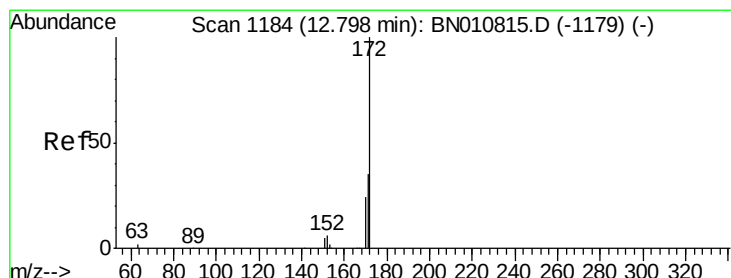
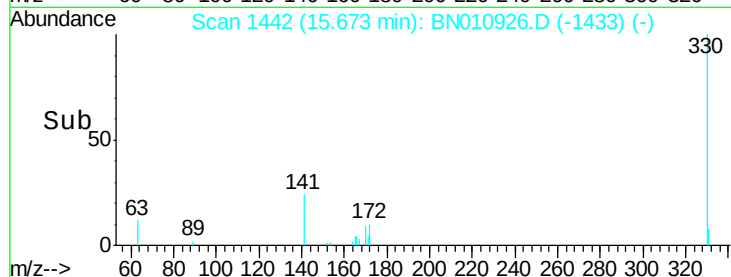
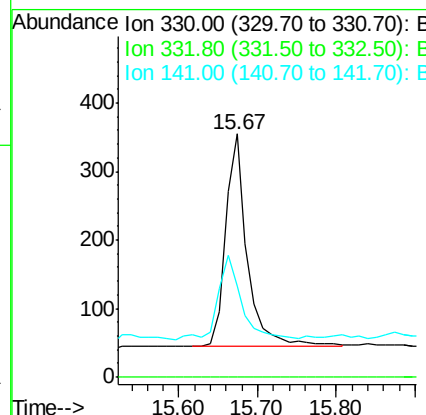
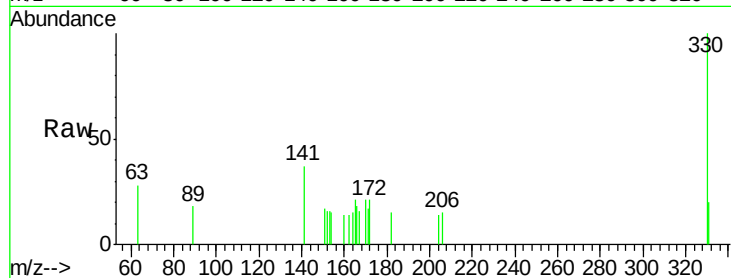




#14
 2,4,6-Tribromophenol
 Concen: 0.374 ng
 RT: 15.67 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: BN010926.D
 Acq: 17 Jun 2020 03:55

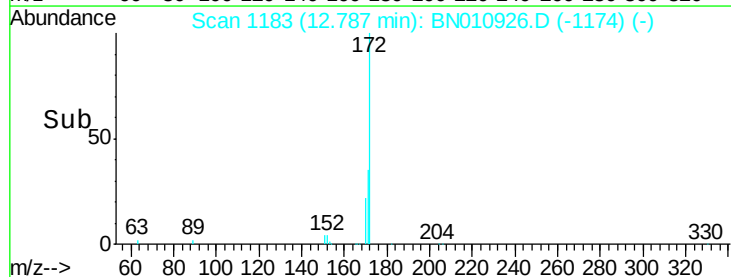
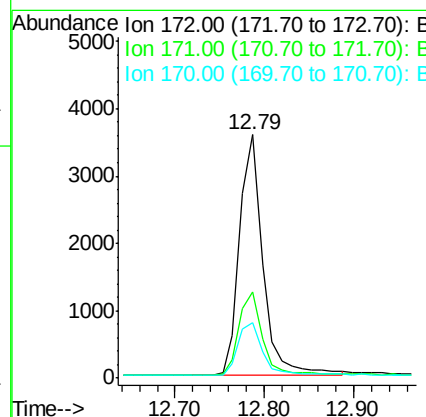
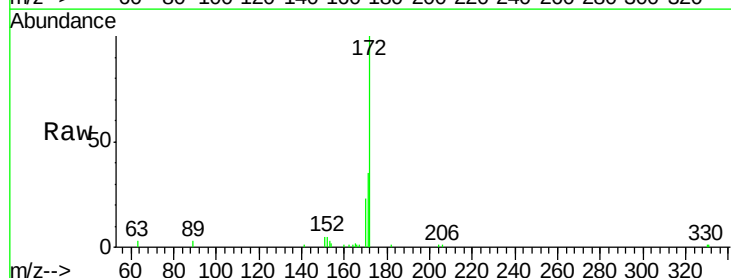
Instrument :
 BNA_N
 ClientSampleId :
 RE132D2-20200608

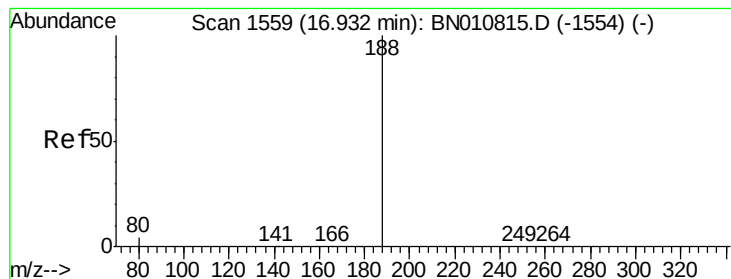
Tot Ion:330 Resp: 593
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 42.7 33.2 49.8



#15
 2-Fluorobiphenyl
 Concen: 0.371 ng
 RT: 12.79 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BN010926.D
 Acq: 17 Jun 2020 03:55

Tgt Ion:172 Resp: 6501
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.5 42.7
 170 23.0 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

Instrument :

BNA_N

ClientSampleId :

RE132D2-20200608

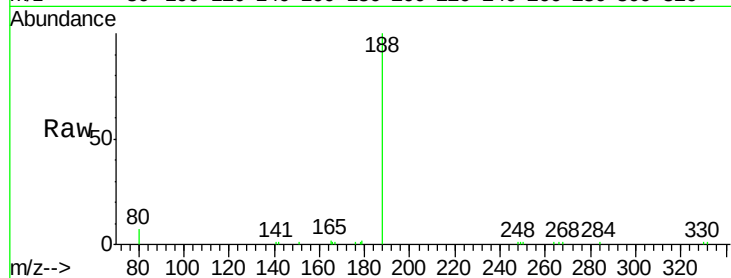
Tot Ion:188 Resp: 9370

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

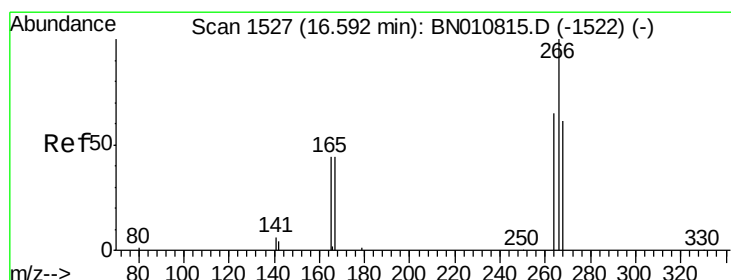
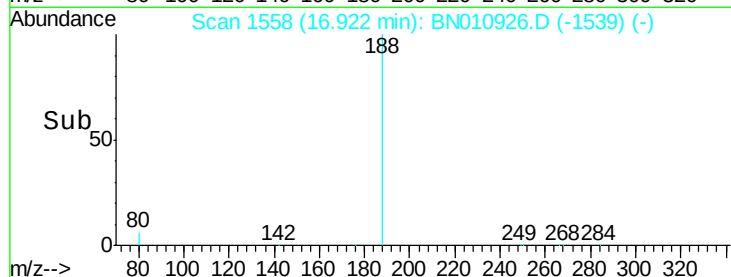
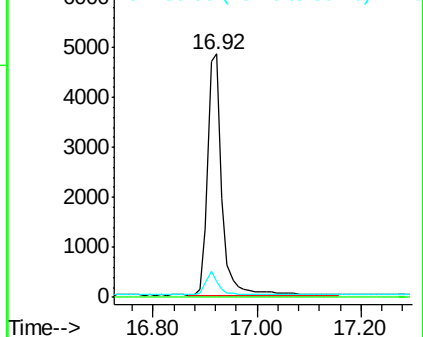
80 6.7 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#22

Pentachlorophenol

Concen: 0.085 ng

RT: 16.58 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

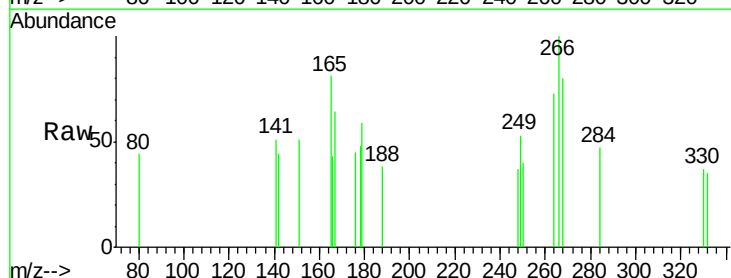
Tgt Ion:266 Resp: 167

Ion Ratio Lower Upper

266 100

264 72.6 54.8 82.2

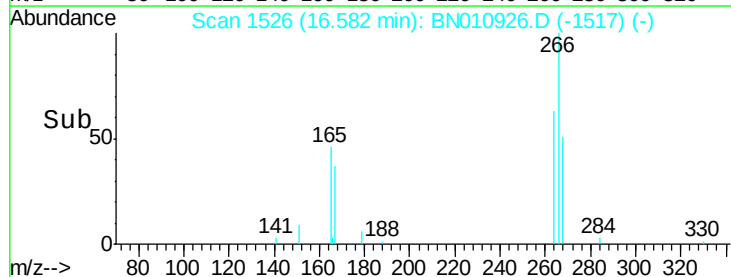
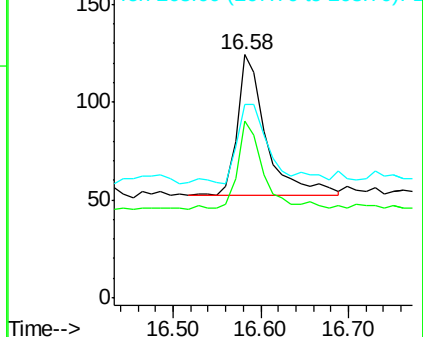
268 79.8 55.9 83.9

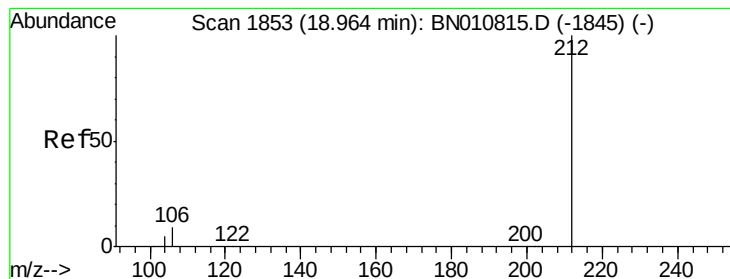


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

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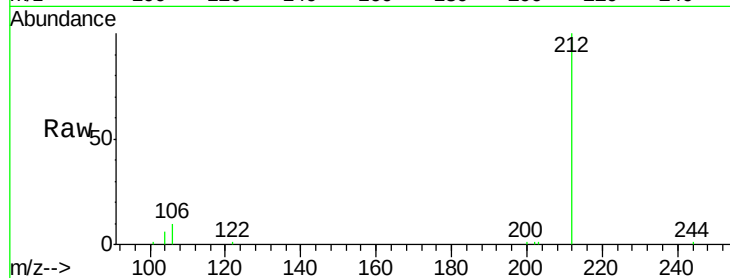
Tot Ion:212 Resp: 9548

Ion Ratio Lower Upper

212 100

106 9.9 6.6 10.0

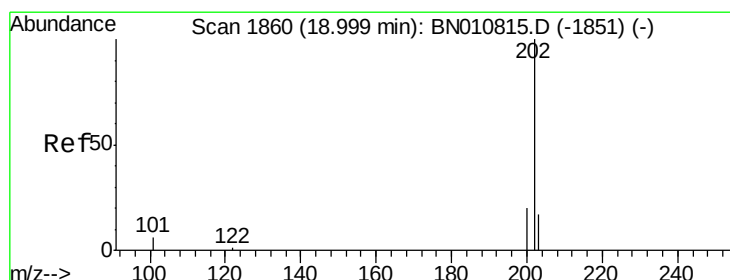
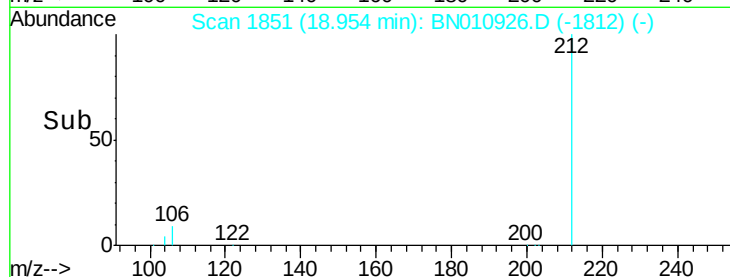
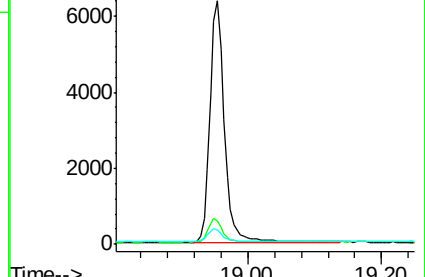
104 5.6 4.0 6.0



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



#26

Fluoranthene

Concen: 0.020 ng

RT: 18.98 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

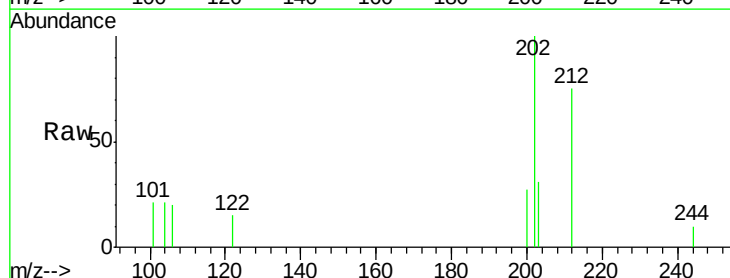
Tgt Ion:202 Resp: 587

Ion Ratio Lower Upper

202 100

101 7.8 5.8 8.6

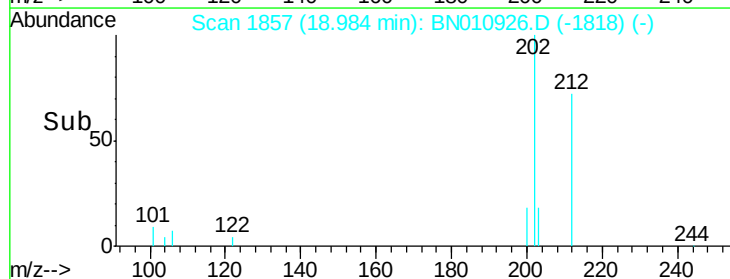
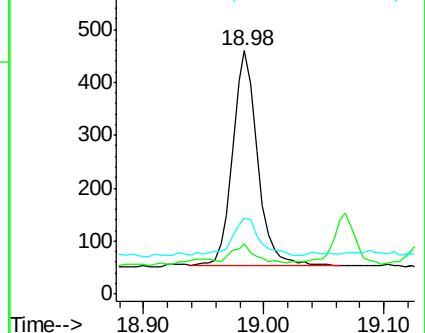
203 20.3 13.7 20.5

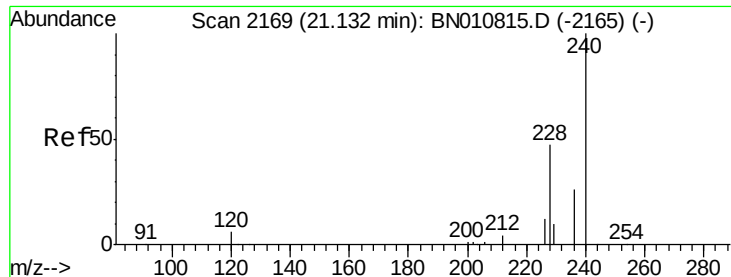


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

Instrument :

BNA_N

ClientSampleId :

RE132D2-20200608

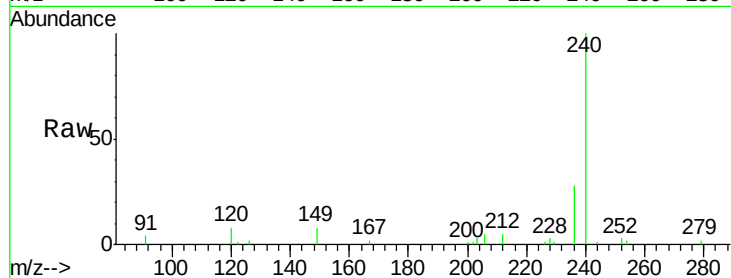
Tot Ion:240 Resp: 9354

Ion Ratio Lower Upper

240 100

120 7.8 7.5 11.3

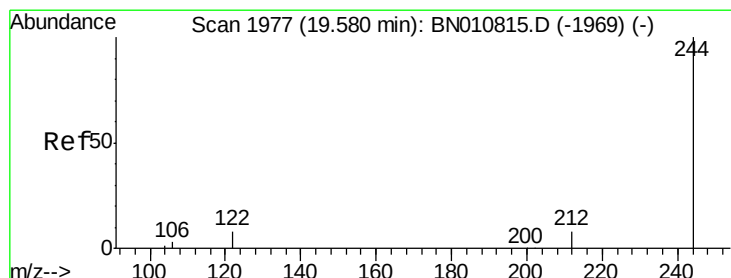
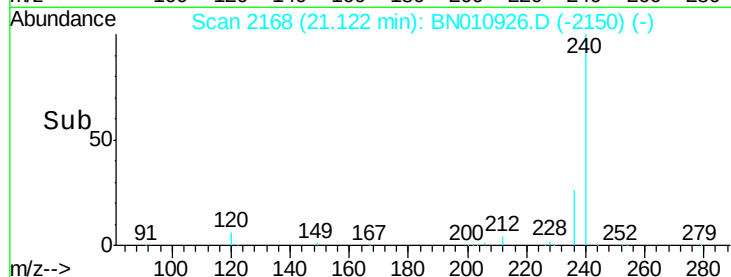
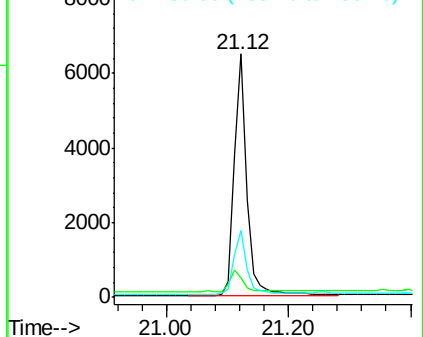
236 27.6 22.3 33.5



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



#29

Terphenyl-d14

Concen: 0.497 ng

RT: 19.56 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

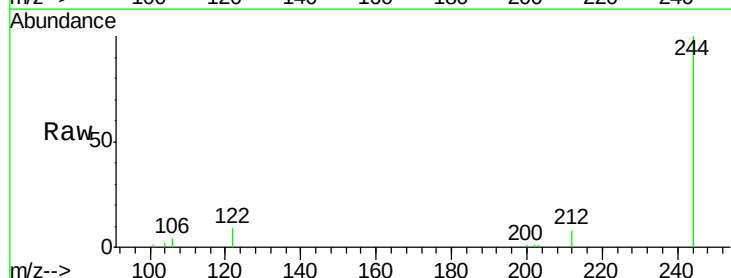
Tgt Ion:244 Resp: 10871

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.2

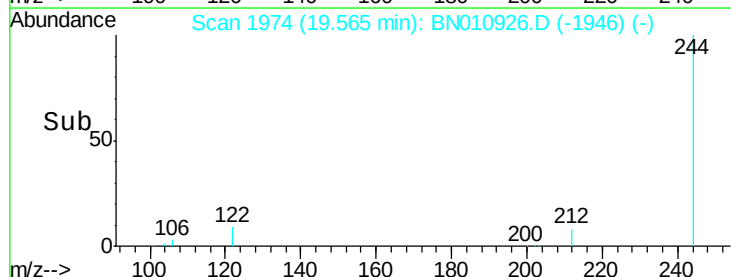
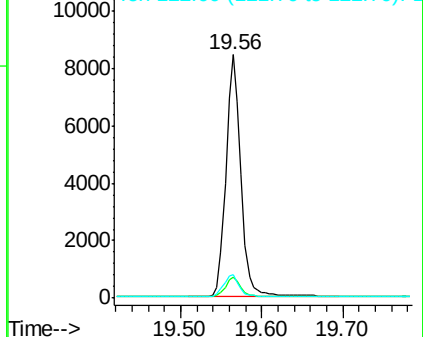
122 9.4 7.5 11.3

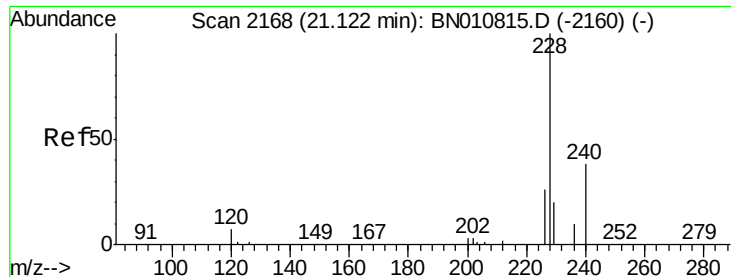


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.021 ng

RT: 21.11 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

Instrument :

BNA_N

ClientSampleId :

RE132D2-20200608

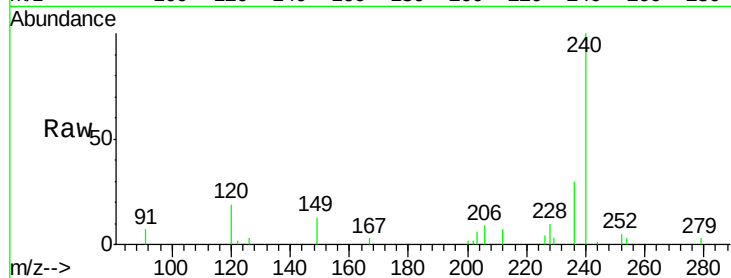
Tot Ion:228 Resp: 590

Ion Ratio Lower Upper

228 100

226 37.7 21.3 31.9#

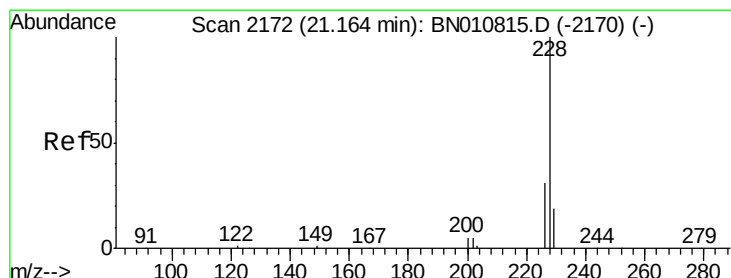
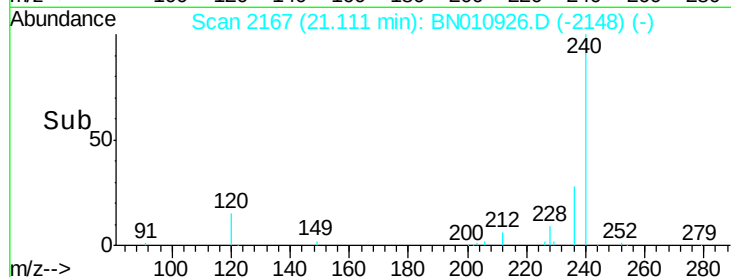
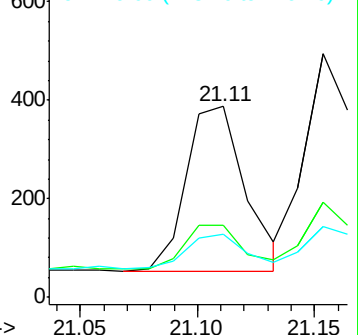
229 32.8 16.6 24.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.020 ng

RT: 21.15 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

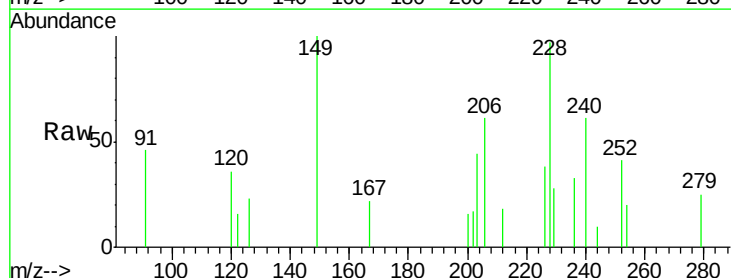
Tgt Ion:228 Resp: 652

Ion Ratio Lower Upper

228 100

226 39.3 25.0 37.6#

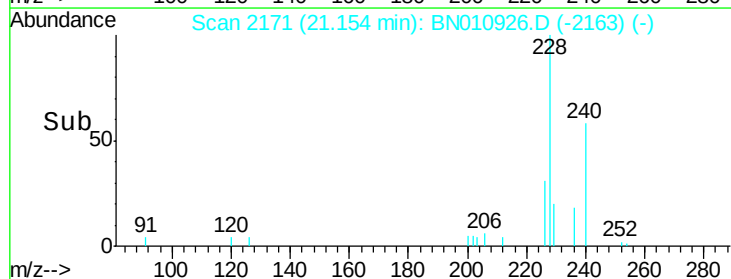
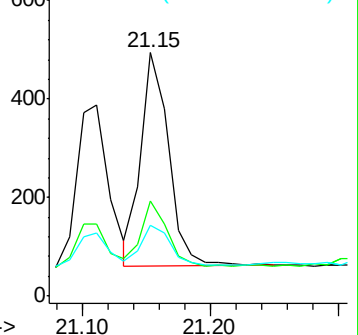
229 29.1 16.1 24.1#

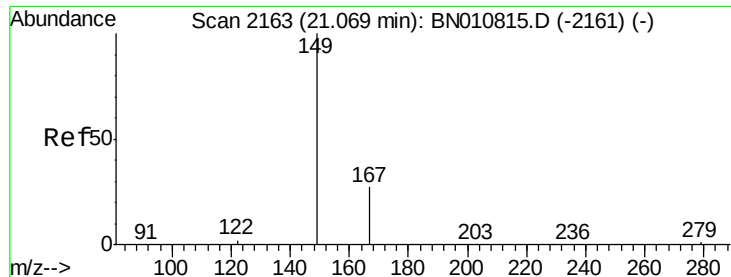


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.103 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

Instrument :

BNA_N

ClientSampleId :

RE132D2-20200608

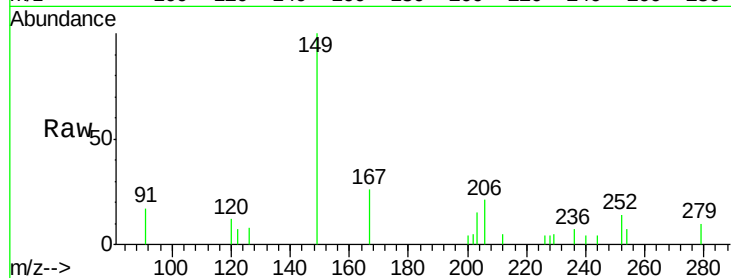
Tot Ion:149 Resp: 944

Ion Ratio Lower Upper

149 100

167 27.6 24.1 36.1

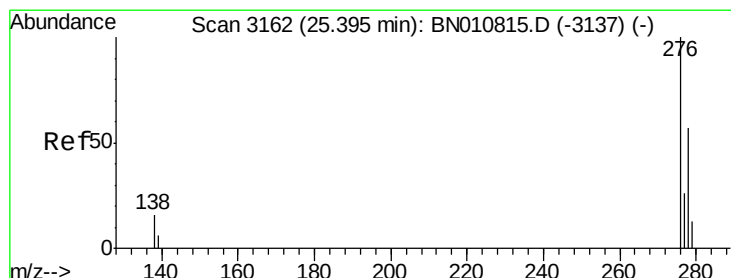
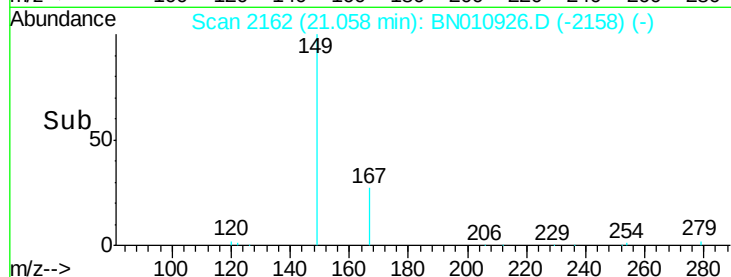
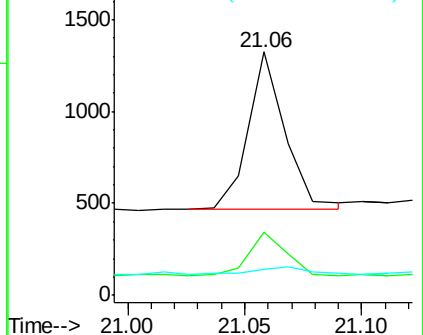
279 7.1 4.6 7.0#



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 25.38 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

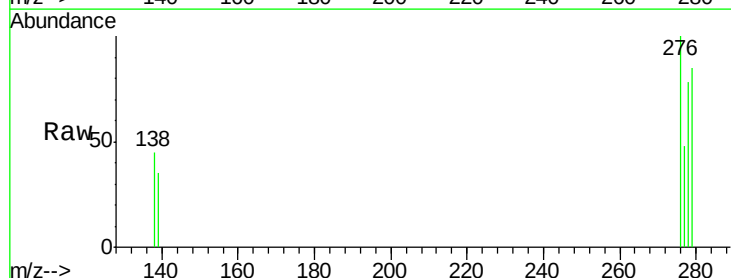
Tgt Ion:276 Resp: 805

Ion Ratio Lower Upper

276 100

138 15.7 13.0 19.6

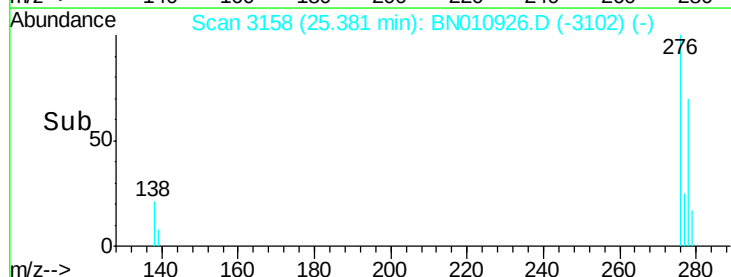
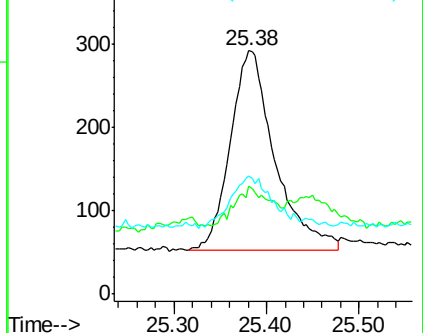
277 25.3 19.7 29.5

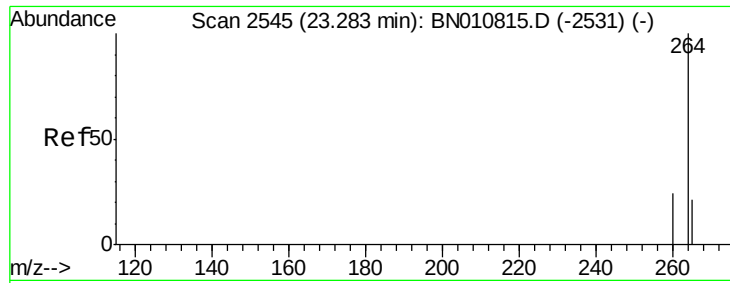


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

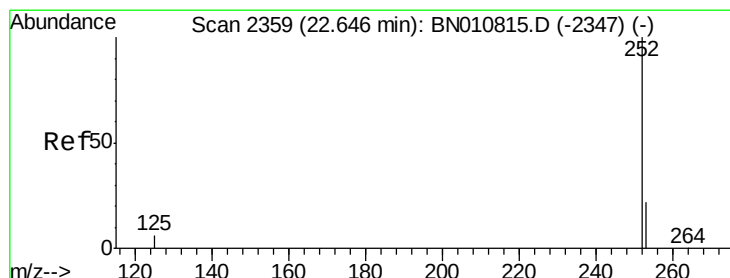
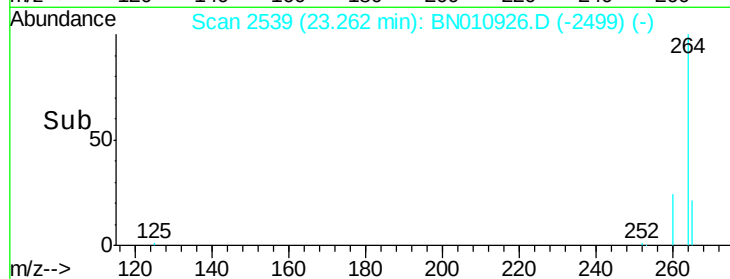
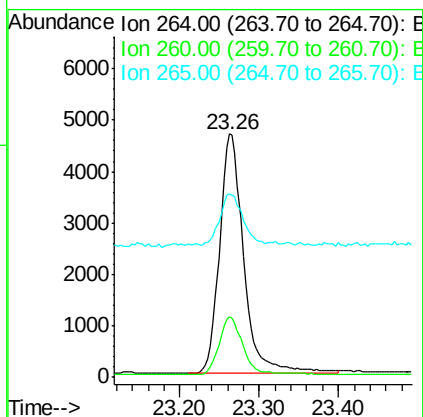
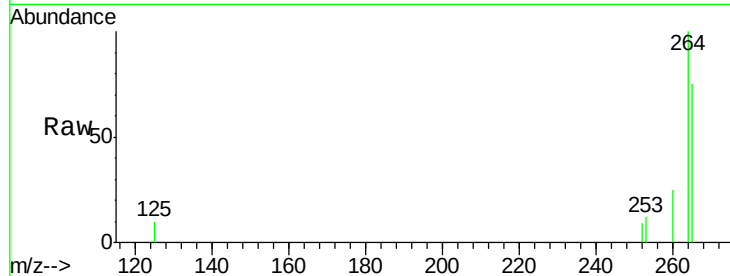




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.26 min Scan# 2539
 Delta R.T. -0.01 min
 Lab File: BN010926.D
 Acq: 17 Jun 2020 03:55

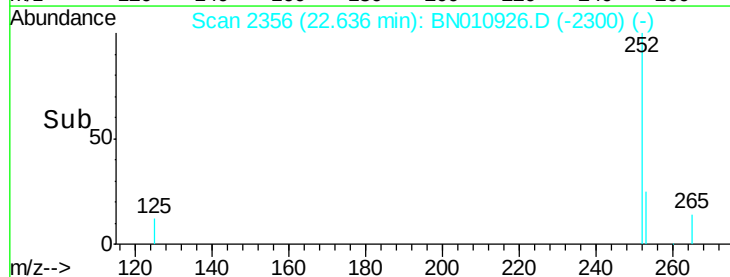
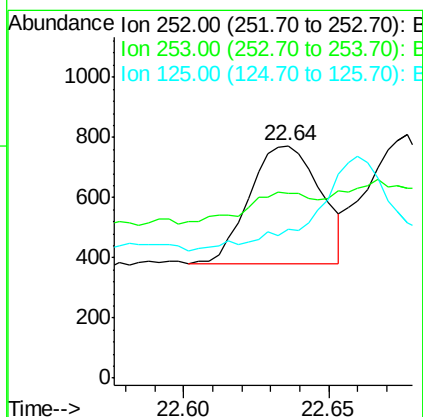
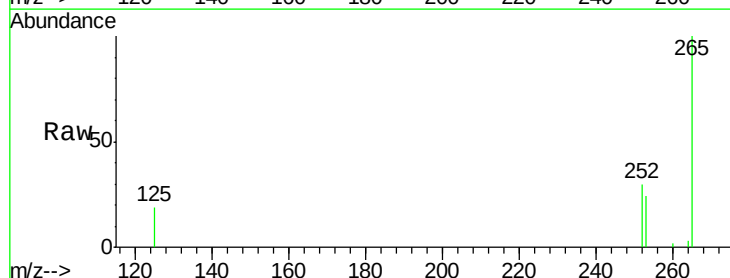
Instrument :
 BNA_N
 ClientSampleId :
 RE132D2-20200608

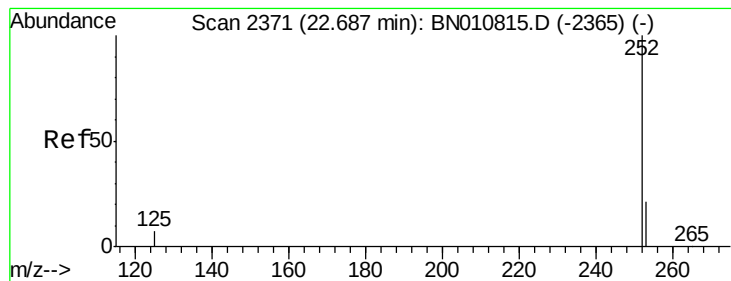
Tot Ion:264 Resp: 9795
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.4 30.6
 265 75.1 75.0 112.4



#35
 Benzo(b)fluoranthene
 Concen: 0.020 ng
 RT: 22.64 min Scan# 2356
 Delta R.T. -0.01 min
 Lab File: BN010926.D
 Acq: 17 Jun 2020 03:55

Tgt Ion:252 Resp: 669
 Ion Ratio Lower Upper
 252 100
 253 79.4 22.4 33.6#
 125 64.0 9.4 14.0#





#36

Benzo(k)fluoranthene

Concen: 0.020 ng

RT: 22.68 min Scan# 2368

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

Instrument :

BNA_N

ClientSampleId :

RE132D2-20200608

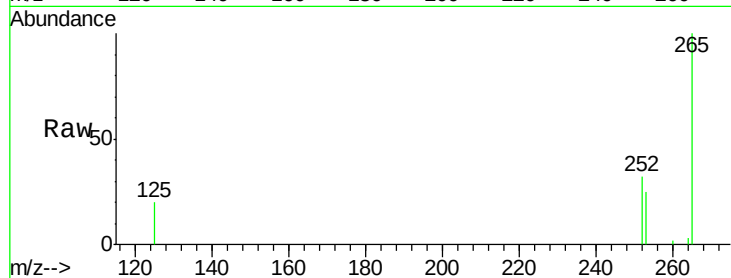
Tot Ion:252 Resp: 711

Ion Ratio Lower Upper

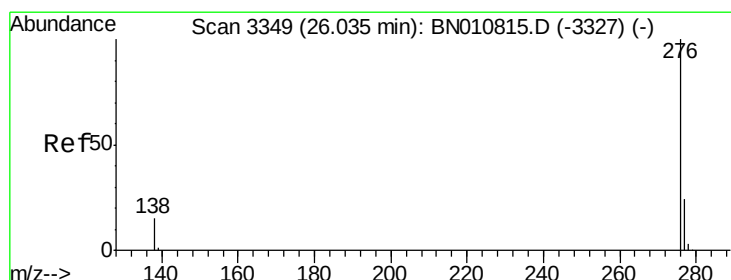
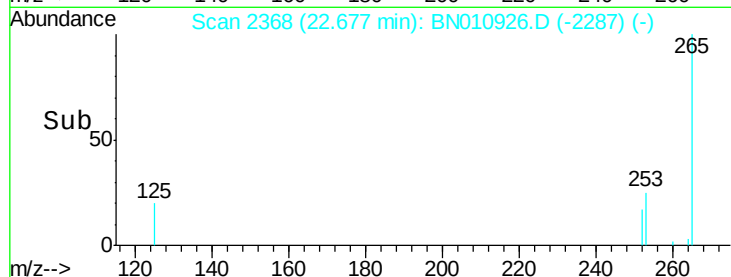
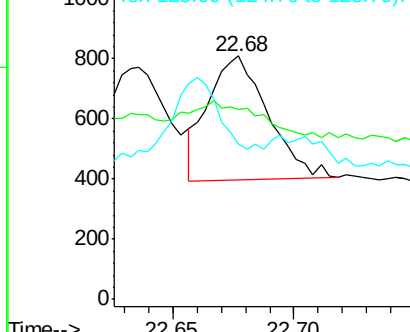
252 100

253 77.9 22.2 33.4#

125 64.0 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 26.01 min Scan# 3342

Delta R.T. -0.01 min

Lab File: BN010926.D

Acq: 17 Jun 2020 03:55

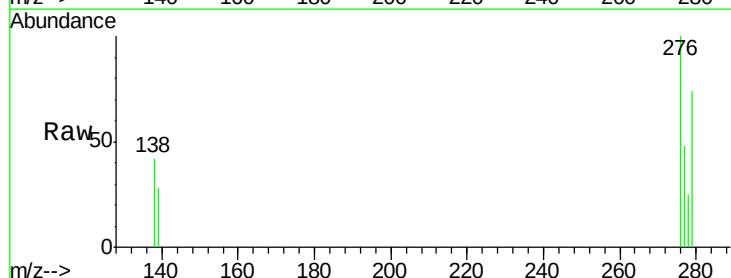
Tgt Ion:276 Resp: 720

Ion Ratio Lower Upper

276 100

277 47.5 20.5 30.7#

138 42.1 13.7 20.5#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

