

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\
 Data File : BN010931.D
 Acq On : 17 Jun 2020 06:53
 Operator : CG/JU
 Sample : L3011-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20200612

Quant Time: Jun 17 08:16:38 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

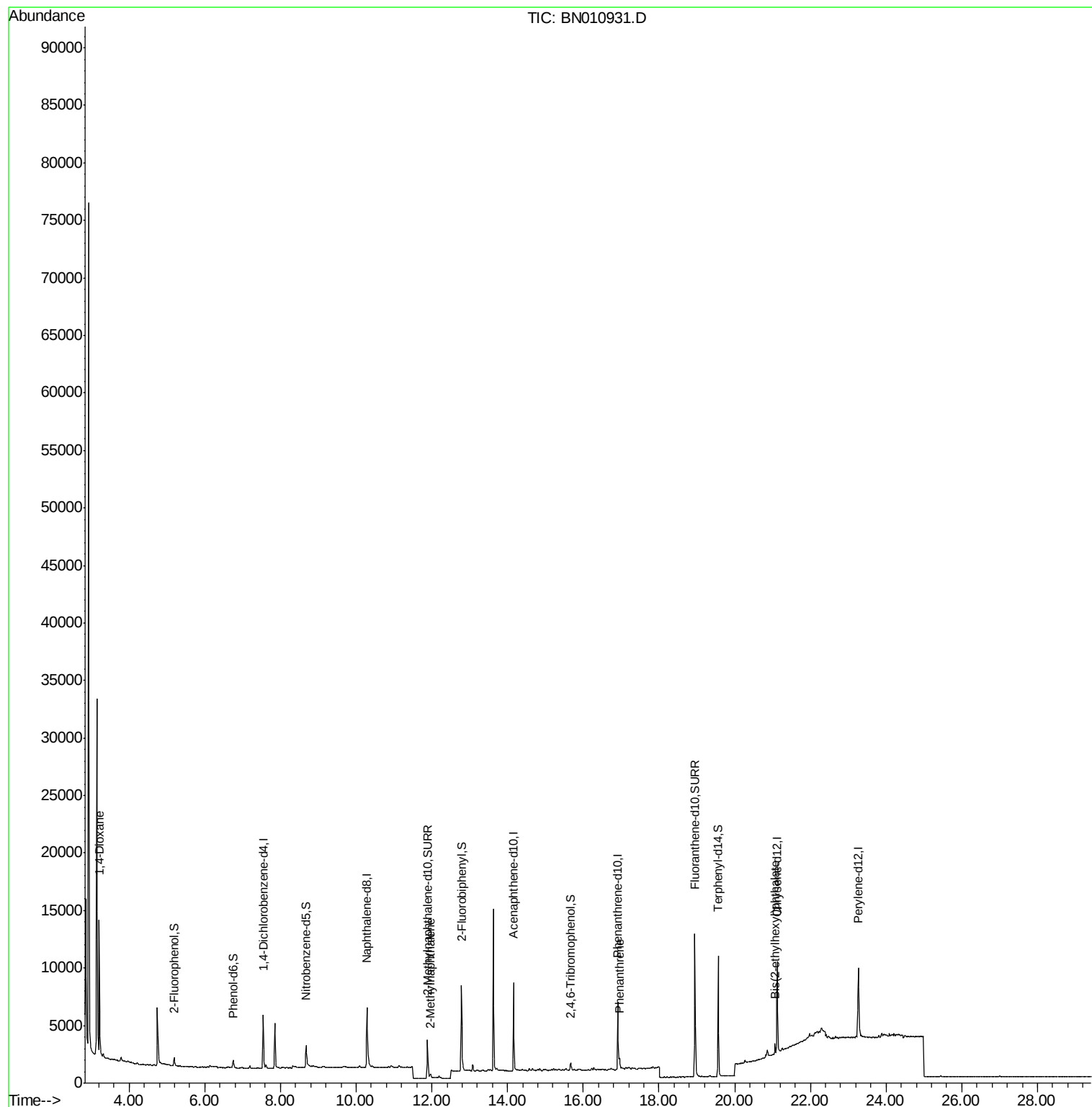
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2419	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	8226	0.40	ng	-0.01
13) Acenaphthene-d10	14.16	164	4542	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	9173	0.40	ng	0.00
27) Chrysene-d12	21.12	240	8708	0.40	ng	0.00
34) Perylene-d12	23.27	264	9048	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	713	0.15	ng	0.00
5) Phenol-d6	6.74	99	506	0.09	ng	0.00
8) Nitrobenzene-d5	8.68	82	2361	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	5517	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	561	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.78	172	7127	0.40	ng	0.00
25) Fluoranthene-d10	18.95	212	16243	0.64	ng	0.00
29) Terphenyl-d14	19.57	244	10840	0.53	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.21	88	8835	3.729	ng	99
12) 2-Methylnaphthalene	11.96	142	305	0.022	ng	# 88
23) Phenanthrene	16.96	178	1103	0.044	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.06	149	802	0.094	ng	95

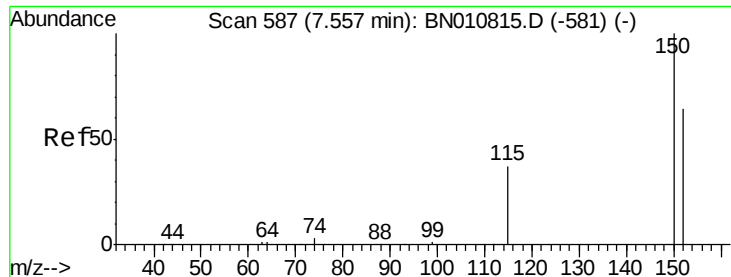
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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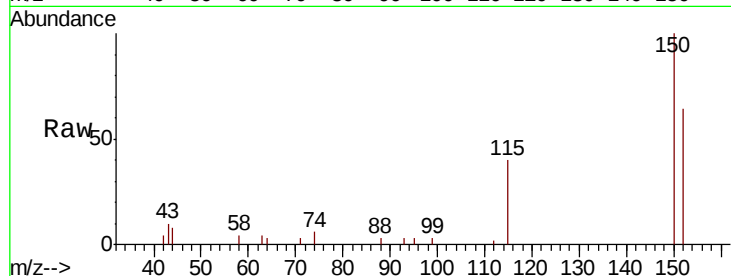


#1

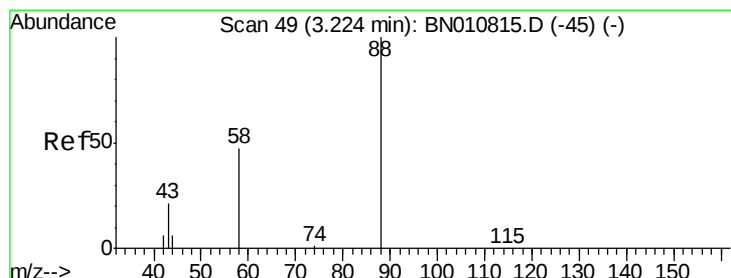
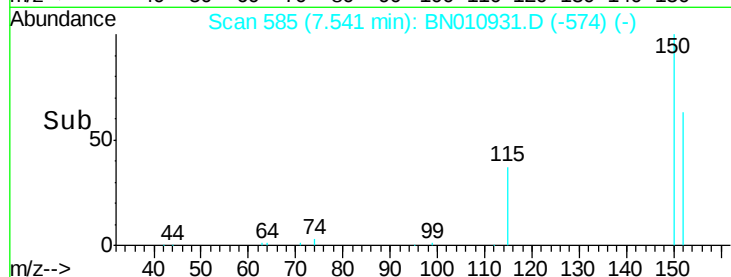
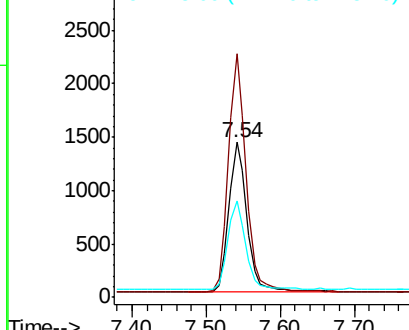
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.01 min
Lab File: BN010931.D
Acq: 17 Jun 2020 06:53

Instrument :
BNA_N
ClientSampleId :
RE104D1-20200612

Tot Ion:152 Resp: 2419
Ion Ratio Lower Upper
152 100
150 156.9 123.8 185.6
115 62.3 49.2 73.8



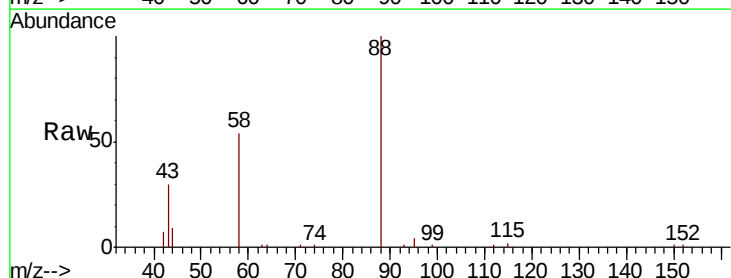
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



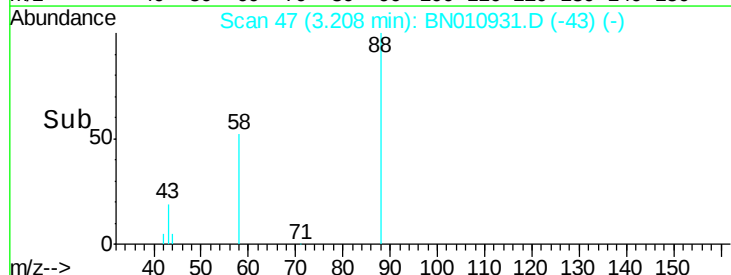
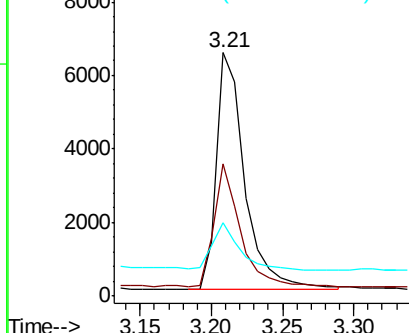
#2

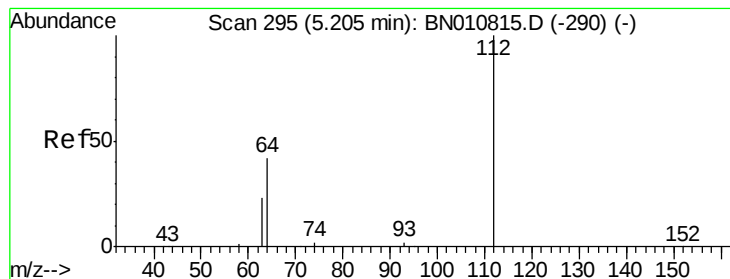
1,4-Dioxane
Concen: 3.729 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.02 min
Lab File: BN010931.D
Acq: 17 Jun 2020 06:53

Tgt Ion: 88 Resp: 8835
Ion Ratio Lower Upper
88 100
58 47.3 38.2 57.4
43 20.1 15.1 22.7



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





#4

2-Fluorophenol

Concen: 0.153 ng

RT: 5.19 min Scan# 293

Delta R.T. -0.01 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

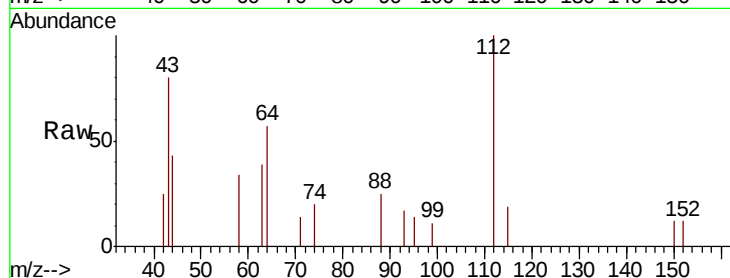
Tot Ion:112 Resp: 713

Ion Ratio Lower Upper

112 100

64 47.8 37.4 56.0

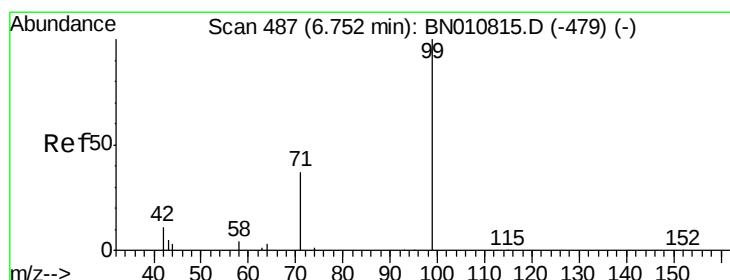
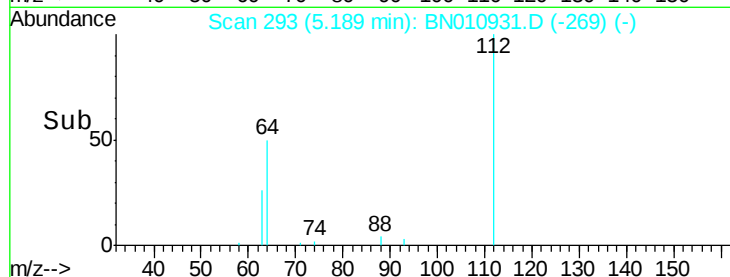
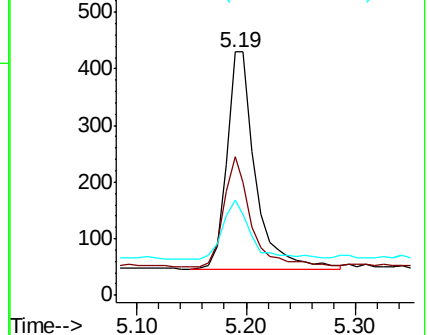
63 26.2 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.092 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.01 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

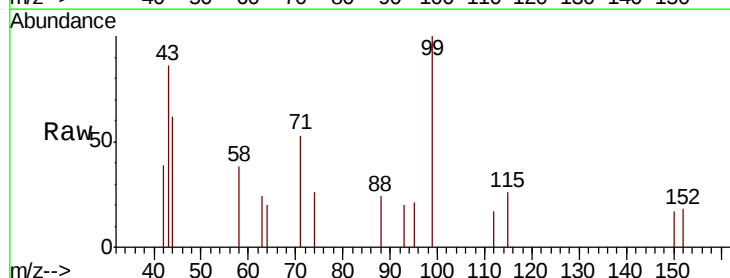
Tgt Ion: 99 Resp: 506

Ion Ratio Lower Upper

99 100

42 20.0 11.1 16.7#

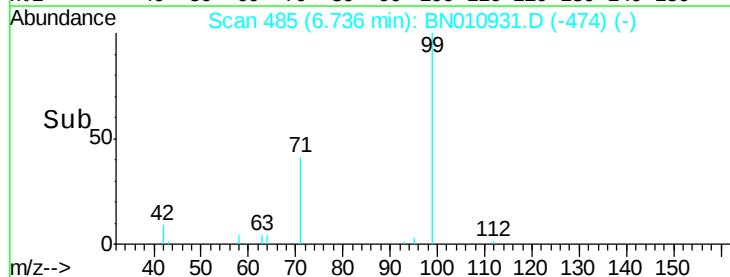
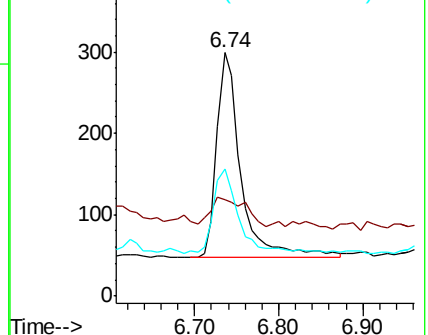
71 44.5 31.4 47.2

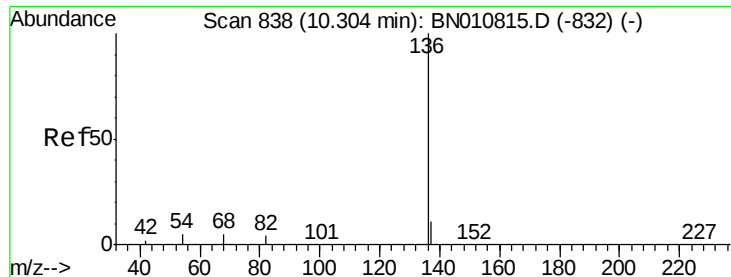


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

Tot Ion:136 Resp: 8226

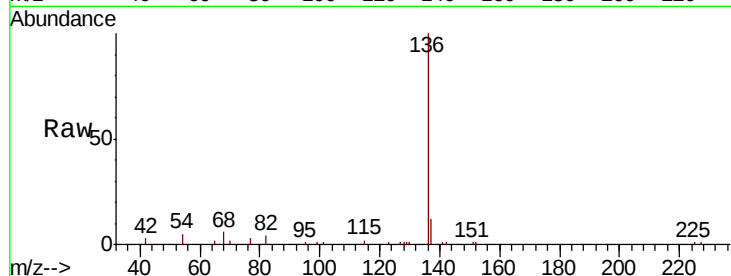
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 5.2 4.9 7.3

68 5.7 4.7 7.1

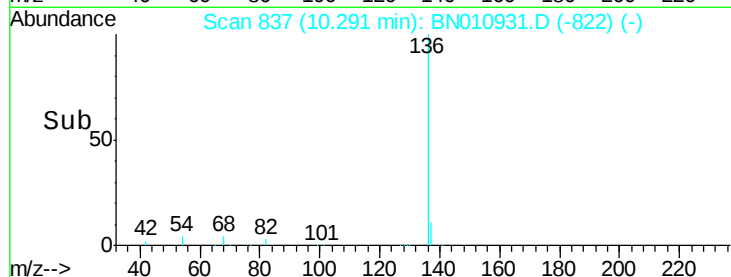


Abundance Ion 136.00 (135.70 to 136.70): E

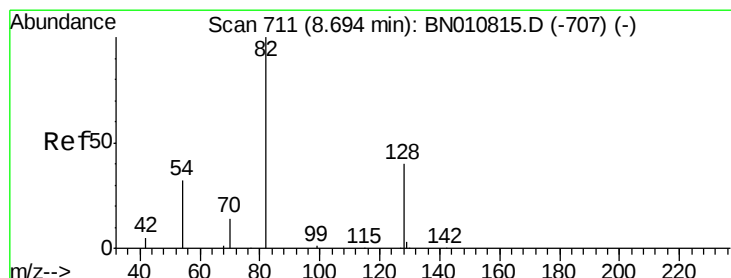
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Time-->



#8

Nitrobenzene-d5

Concen: 0.388 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.00 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

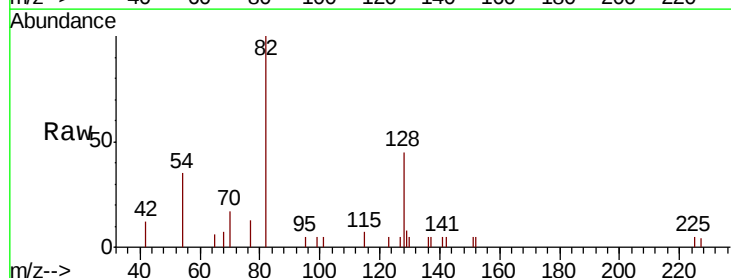
Tgt Ion: 82 Resp: 2361

Ion Ratio Lower Upper

82 100

128 45.1 35.4 53.0

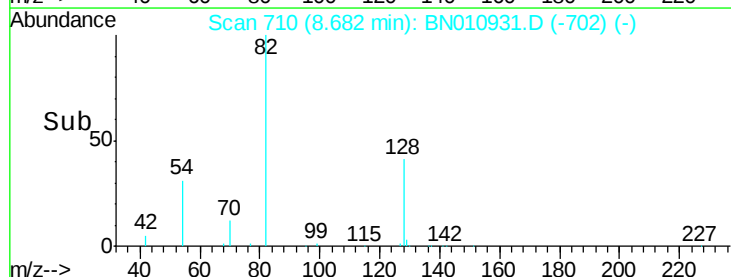
54 34.7 28.2 42.4



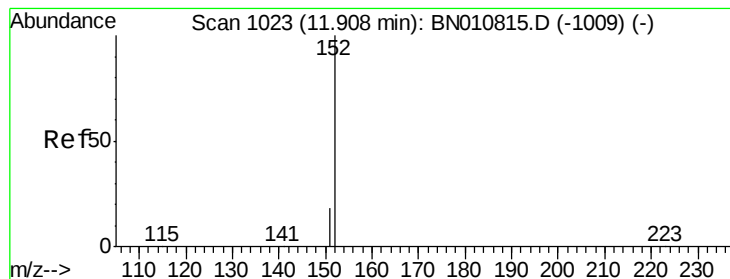
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.432 ng

RT: 11.89 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

Instrument :

BNA_N

ClientSampleId :

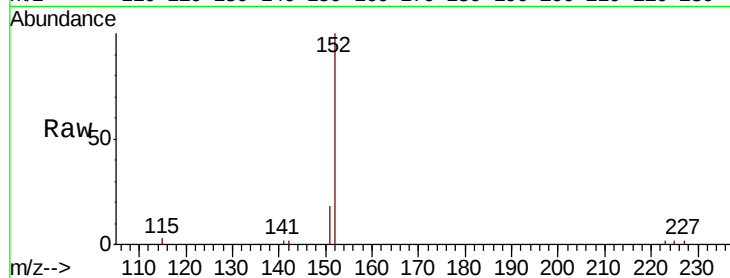
RE104D1-20200612

Tot Ion:152 Resp: 5517

Ion Ratio Lower Upper

152 100

151 19.0 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

3000

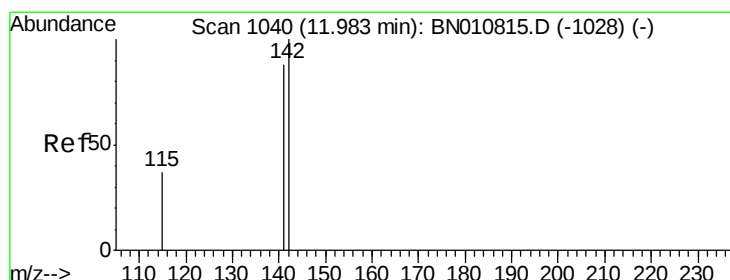
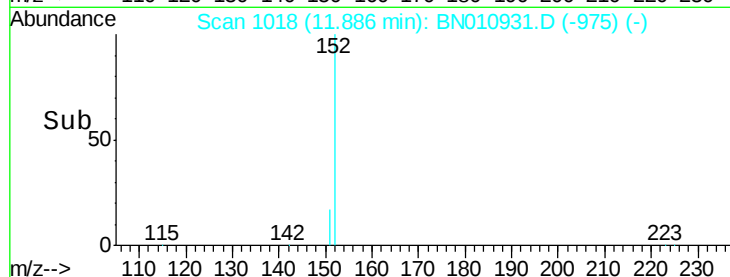
2000

1000

0

11.89

Time-->



#12

2-Methylnaphthalene

Concen: 0.022 ng

RT: 11.96 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

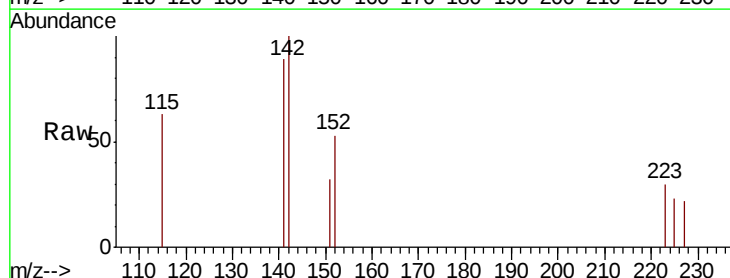
Tgt Ion:142 Resp: 305

Ion Ratio Lower Upper

142 100

141 88.7 70.8 106.2

115 63.2 31.5 47.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

250

200

150

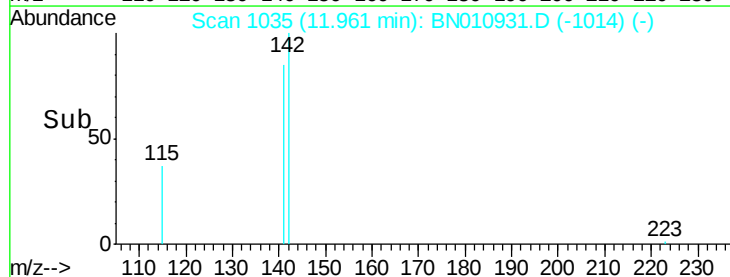
100

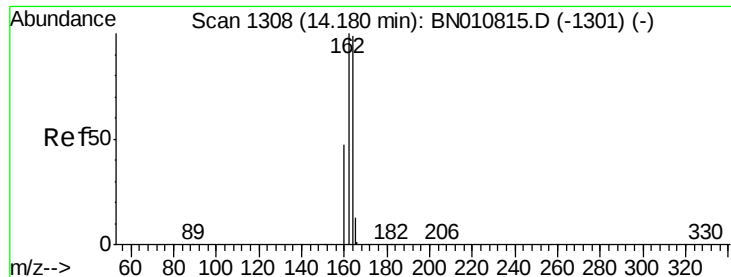
50

0

11.96

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

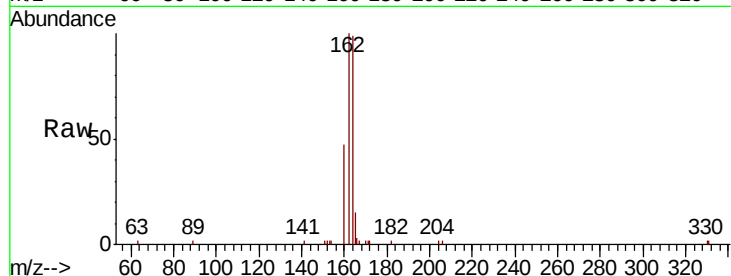
Tot Ion:164 Resp: 4542

Ion Ratio Lower Upper

164 100

162 100.7 81.0 121.6

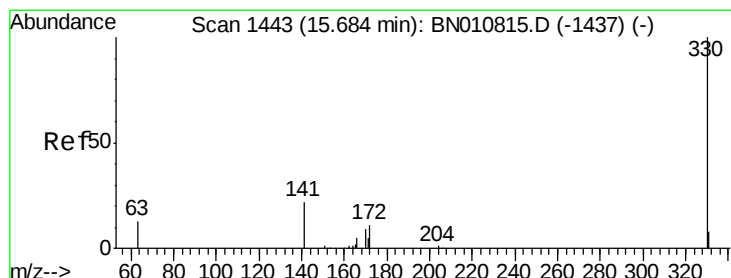
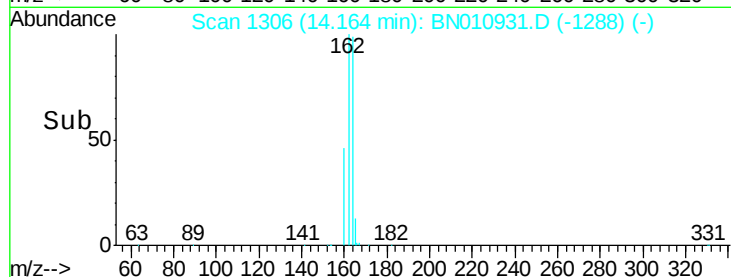
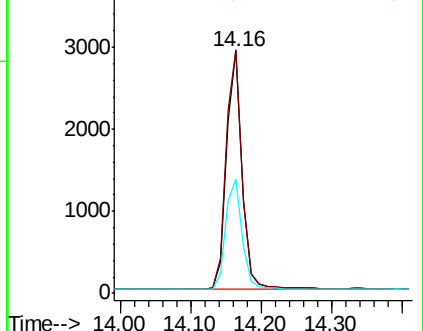
160 47.5 38.9 58.3



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: 0.345 ng

RT: 15.67 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

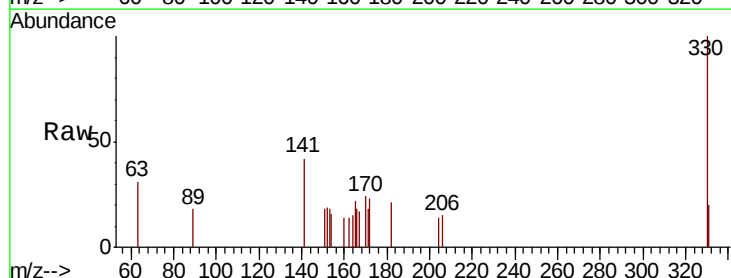
Tgt Ion:330 Resp: 561

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

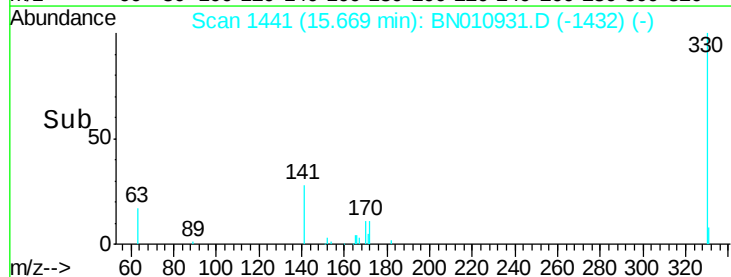
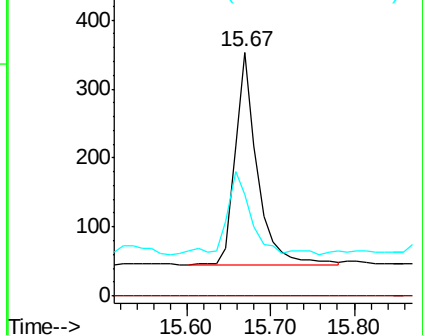
141 40.6 33.2 49.8

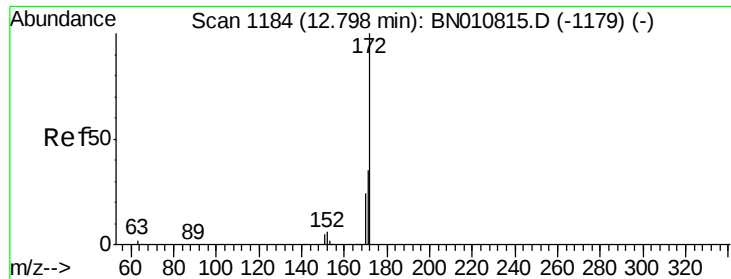


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

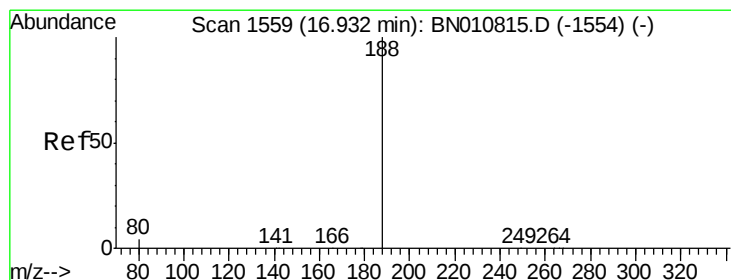
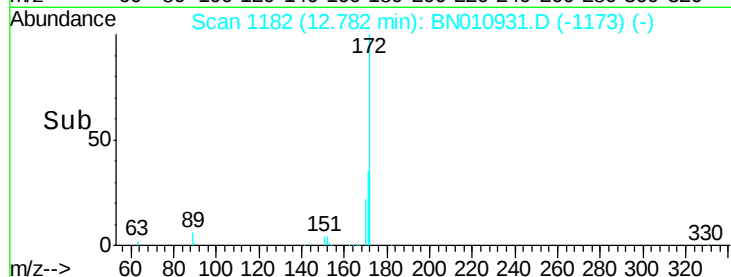
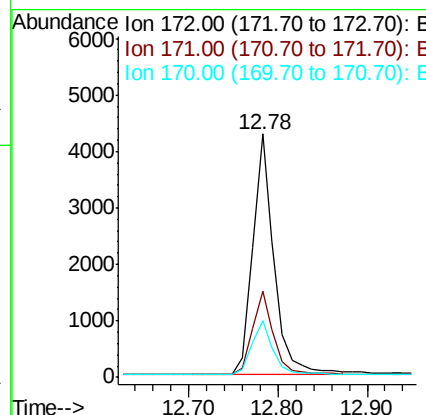
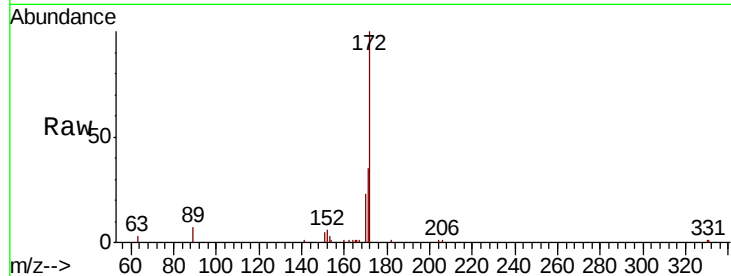




#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN010931.D
Acq: 17 Jun 2020 06:53

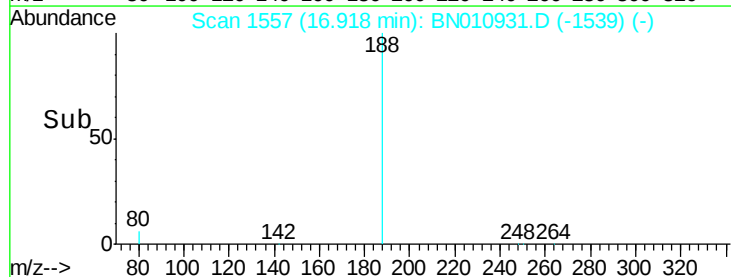
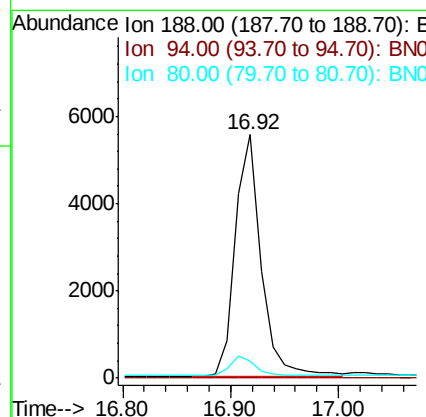
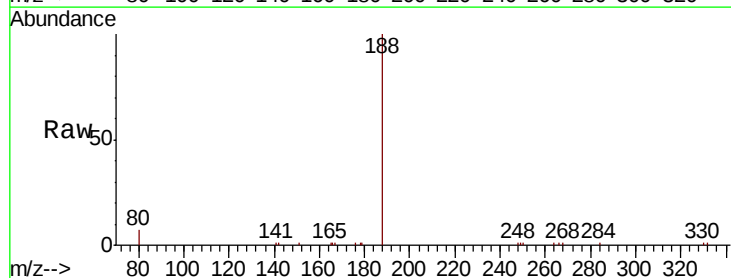
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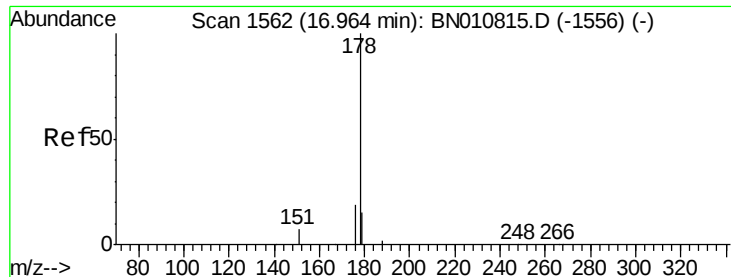
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.1	19.7	29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BN010931.D
Acq: 17 Jun 2020 06:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	4.5	6.7





#23

Phenanthrene

Concen: 0.044 ng

RT: 16.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

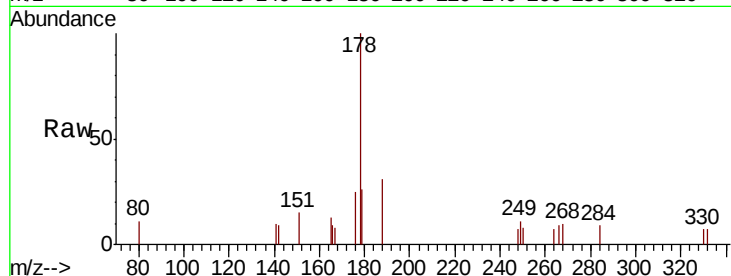
Tot Ion:178 Resp: 1103

Ion Ratio Lower Upper

178 100

176 20.3 15.3 22.9

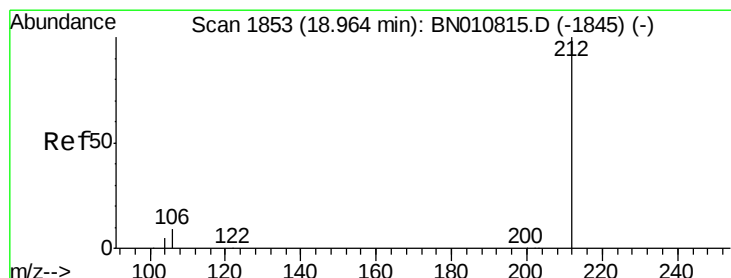
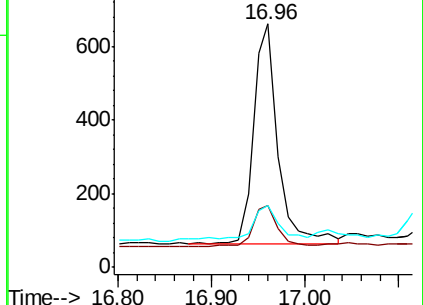
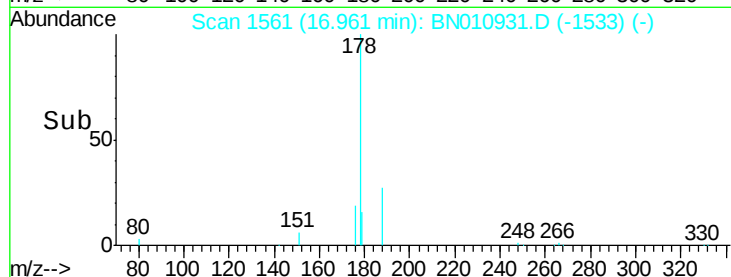
179 20.9 12.6 19.0#



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



#25

Fluoranthene-d10

Concen: 0.642 ng

RT: 18.95 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN010931.D

Acq: 17 Jun 2020 06:53

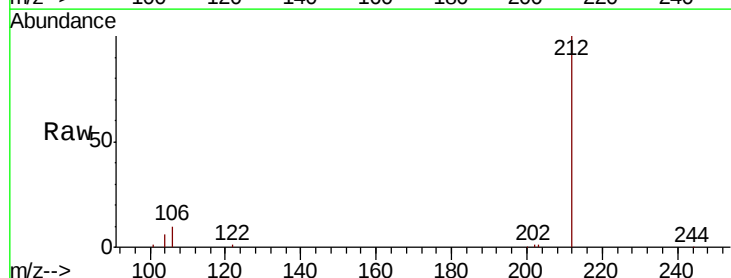
Tgt Ion:212 Resp: 16243

Ion Ratio Lower Upper

212 100

106 9.7 6.6 10.0

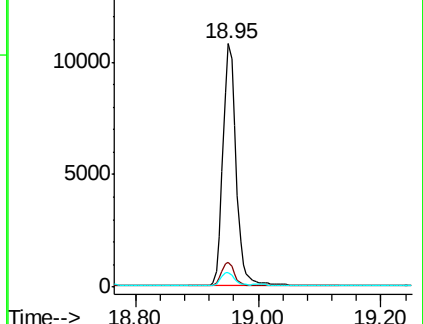
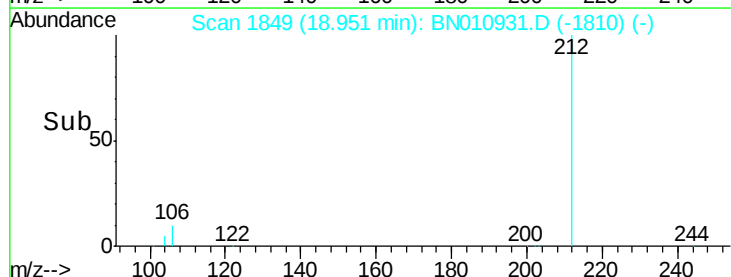
104 5.4 4.0 6.0

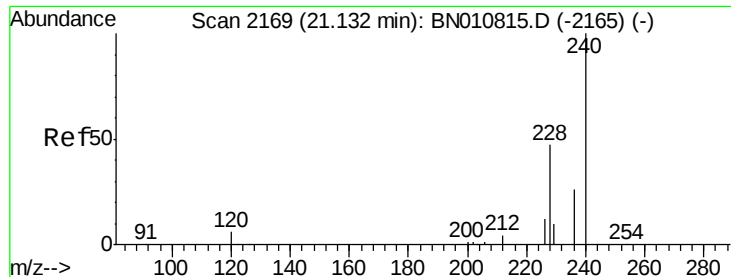


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

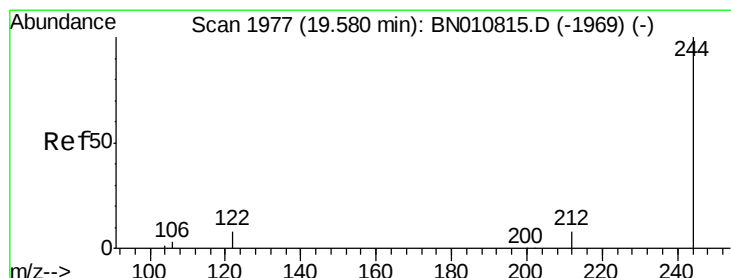
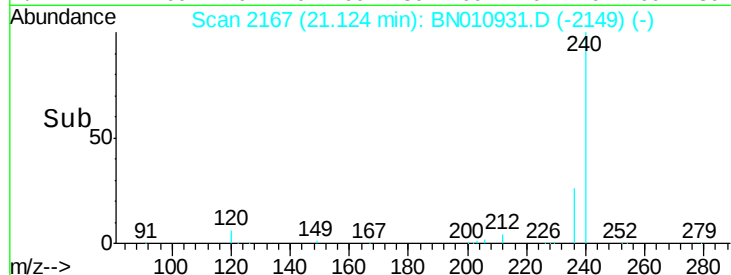
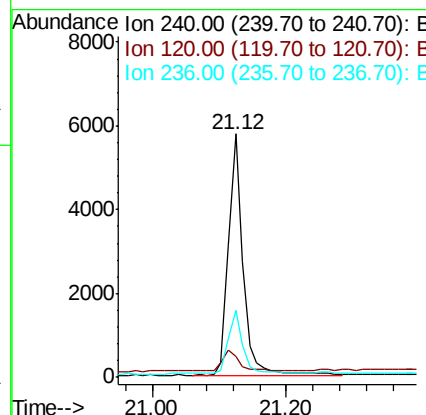
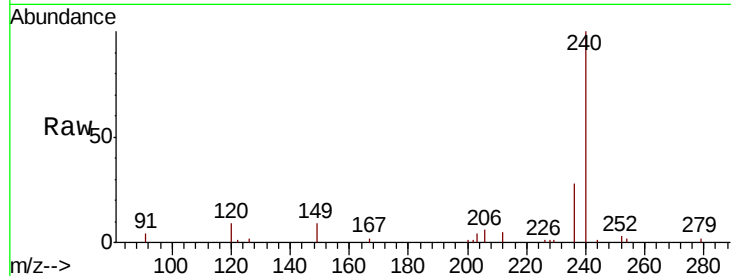




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.12 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BN010931.D
 Acq: 17 Jun 2020 06:53

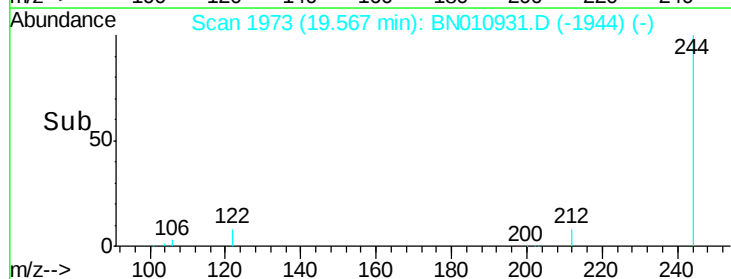
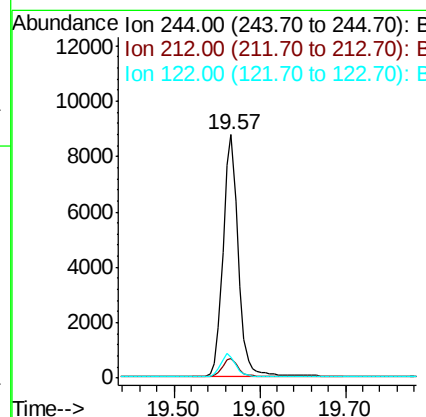
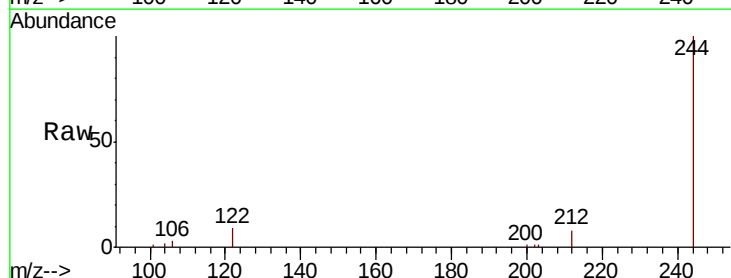
Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20200612

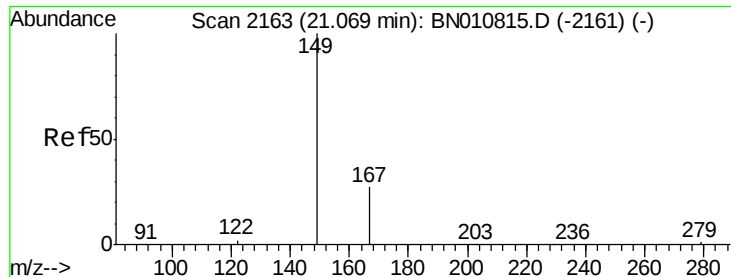
Tot Ion:240 Resp: 8708
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.5 11.3
 236 27.6 22.3 33.5



#29
 Terphenyl-d14
 Concen: 0.532 ng
 RT: 19.57 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: BN010931.D
 Acq: 17 Jun 2020 06:53

Tgt Ion:244 Resp: 10840
 Ion Ratio Lower Upper
 244 100
 212 8.2 7.4 11.2
 122 8.7 7.5 11.3

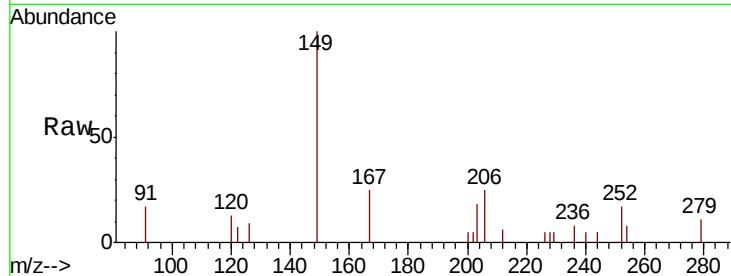




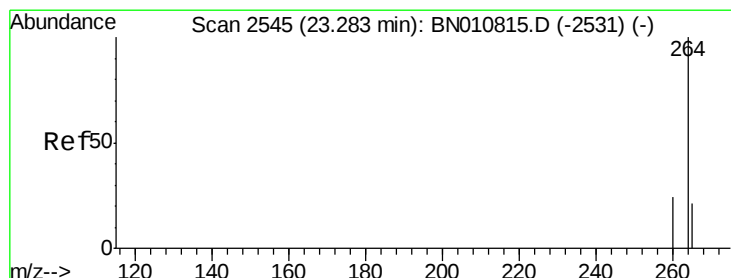
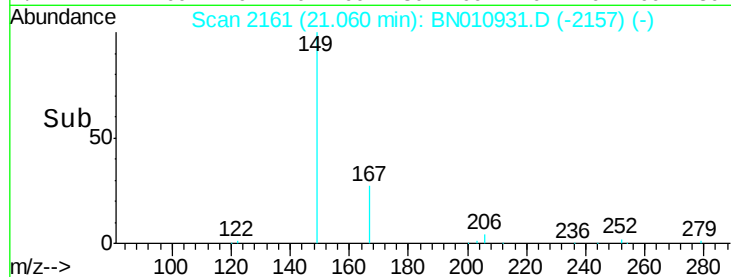
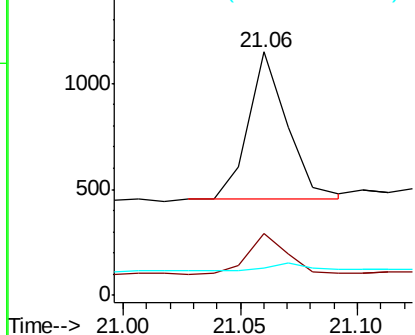
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.094 ng
 RT: 21.06 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: BN010931.D
 Acq: 17 Jun 2020 06:53

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20200612

Tot Ion:149 Resp: 802
 Ion Ratio Lower Upper
 149 100
 167 27.4 24.1 36.1
 279 4.9 4.6 7.0

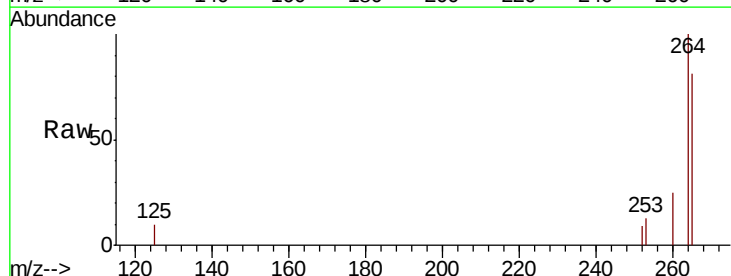


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.27 min Scan# 2539
 Delta R.T. -0.01 min
 Lab File: BN010931.D
 Acq: 17 Jun 2020 06:53

Tgt Ion:264 Resp: 9048
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.4 30.6
 265 81.1 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

