

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061720\
 Data File : BN010942.D
 Acq On : 17 Jun 2020 15:24
 Operator : CG/JU
 Sample : L3011-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20200612

Quant Time: Jun 17 16:16:05 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

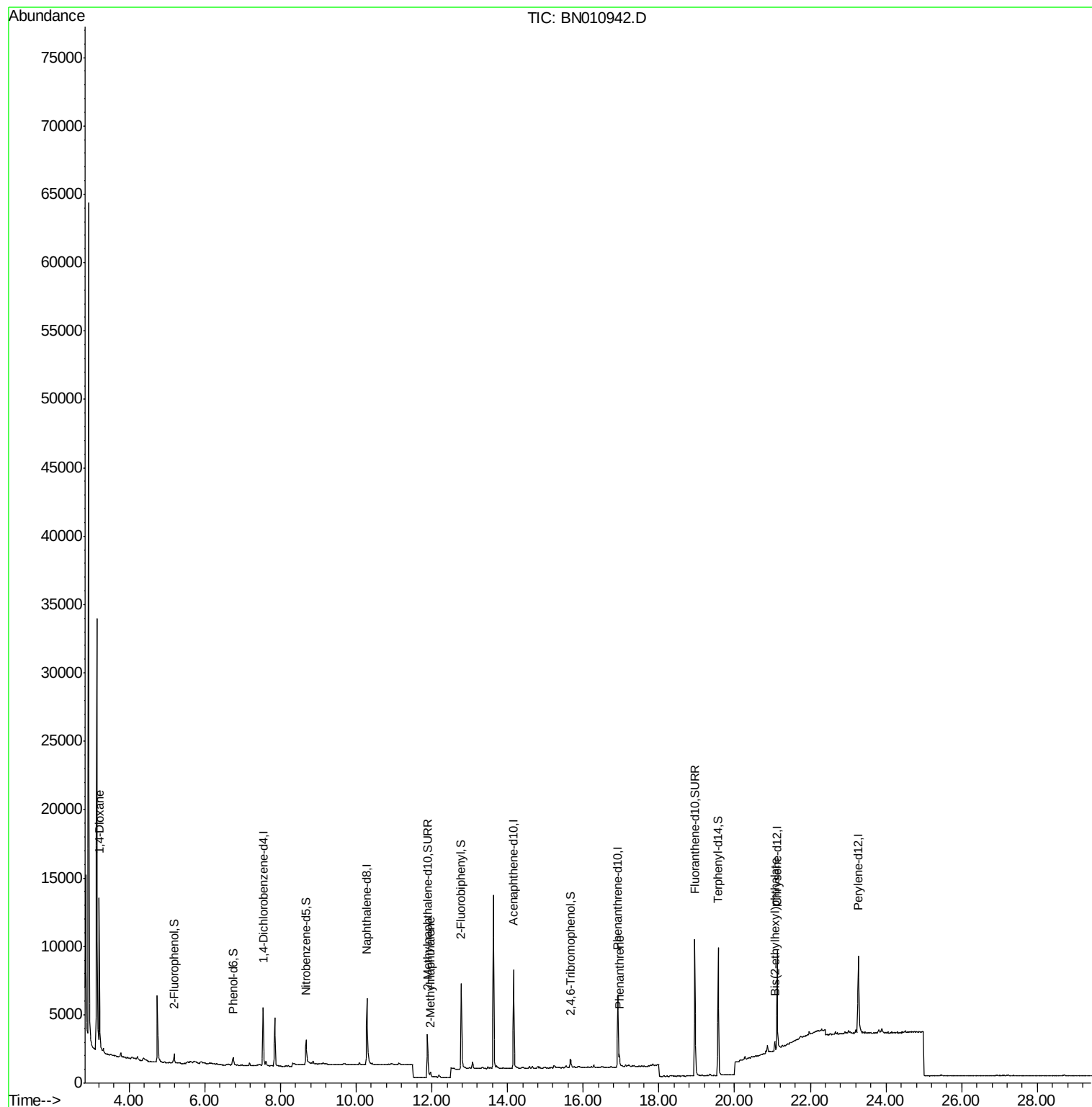
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2297	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	7722	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	4180	0.40	ng	0.00
19) Phenanthrene-d10	16.91	188	8568	0.40	ng	0.00
27) Chrysene-d12	21.12	240	7917	0.40	ng	0.00
34) Perylene-d12	23.27	264	8007	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	671	0.15	ng	0.00
5) Phenol-d6	6.74	99	461	0.09	ng	0.00
8) Nitrobenzene-d5	8.68	82	2325	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	5055	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	582	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.78	172	6662	0.40	ng	-0.01
25) Fluoranthene-d10	18.95	212	13244	0.56	ng	0.00
29) Terphenyl-d14	19.56	244	9974	0.54	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.21	88	8349	3.711	ng	99
12) 2-Methylnaphthalene	11.96	142	277	0.021	ng	# 88
23) Phenanthrene	16.95	178	978	0.042	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.07	149	826	0.106	ng	# 90

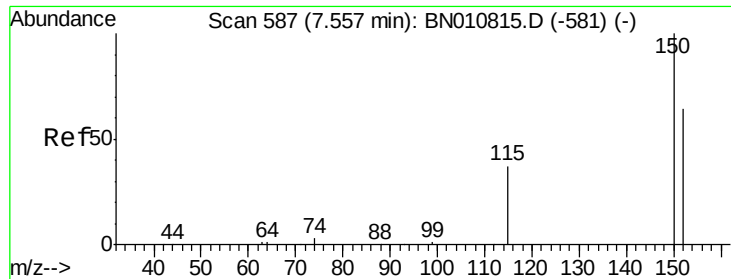
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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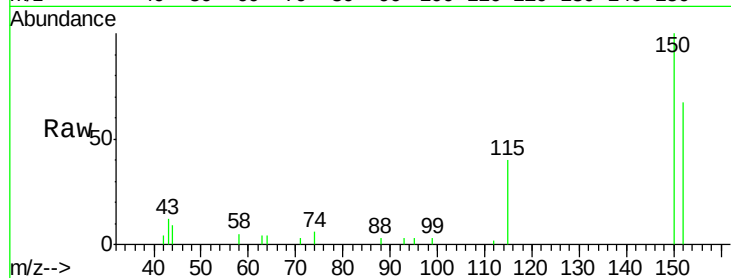


#1

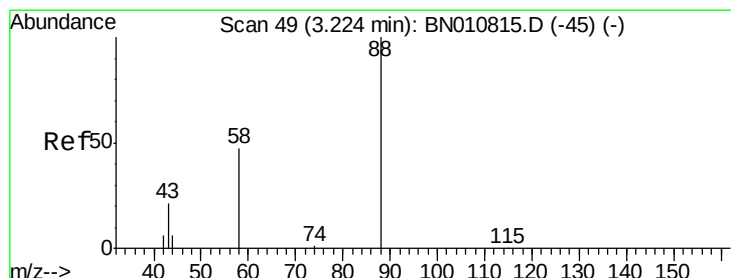
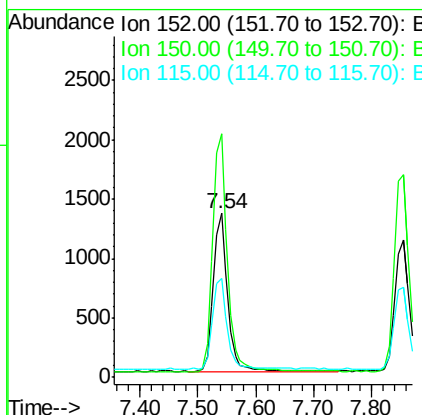
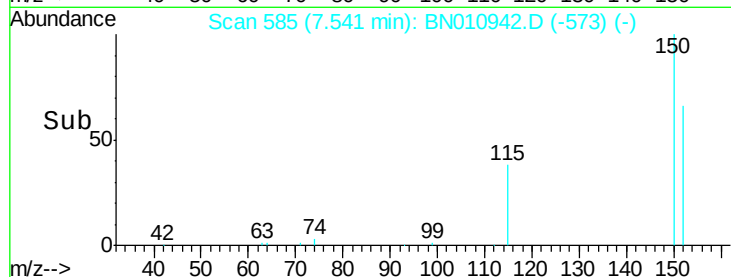
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.00 min
Lab File: BN010942.D
Acq: 17 Jun 2020 15:24

Instrument :
BNA_N
ClientSampleId :
RE104D1-20200612

Tot Ion:152 Resp: 2297
Ion Ratio Lower Upper
152 100
150 148.4 123.8 185.6
115 60.0 49.2 73.8



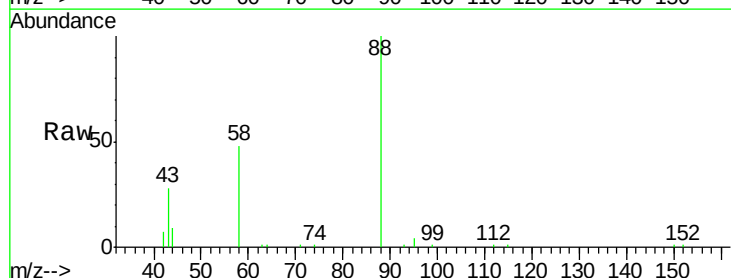
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



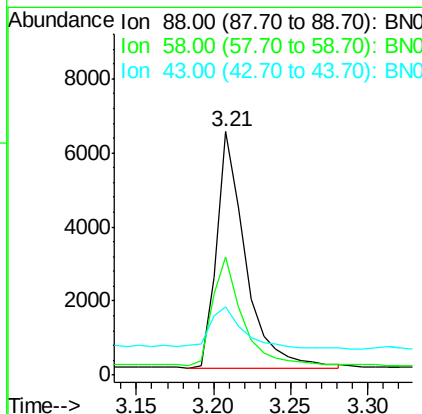
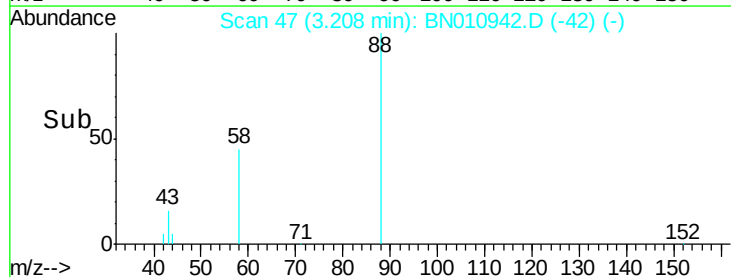
#2

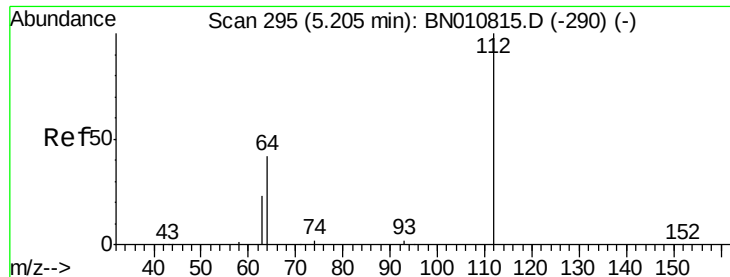
1,4-Dioxane
Concen: 3.711 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN010942.D
Acq: 17 Jun 2020 15:24

Tgt Ion: 88 Resp: 8349
Ion Ratio Lower Upper
88 100
58 46.5 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: 0.151 ng

RT: 5.19 min Scan# 293

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

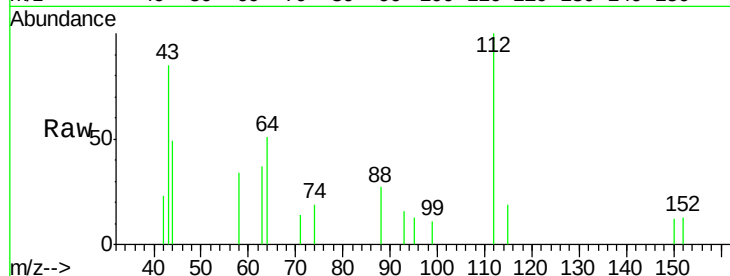
Tot Ion: 112 Resp: 671

Ion Ratio Lower Upper

112 100

64 43.5 37.4 56.0

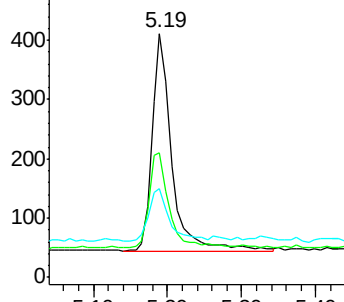
63 25.6 22.2 33.4



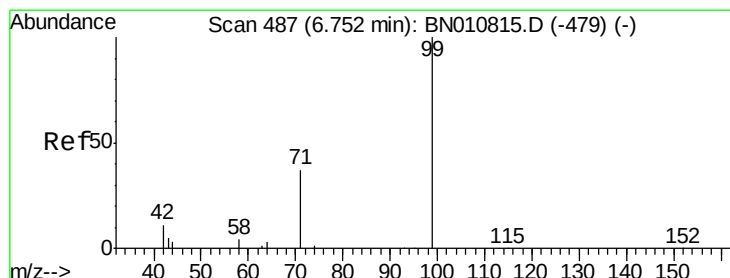
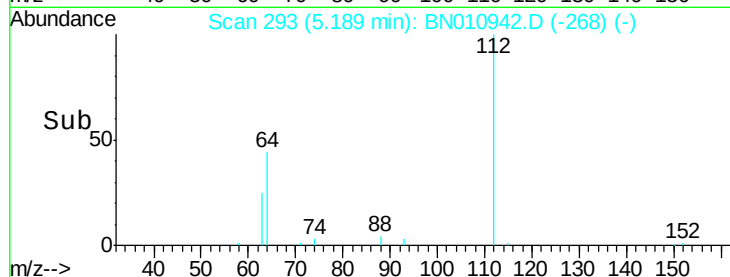
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



Time-->



#5

Phenol-d6

Concen: 0.088 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

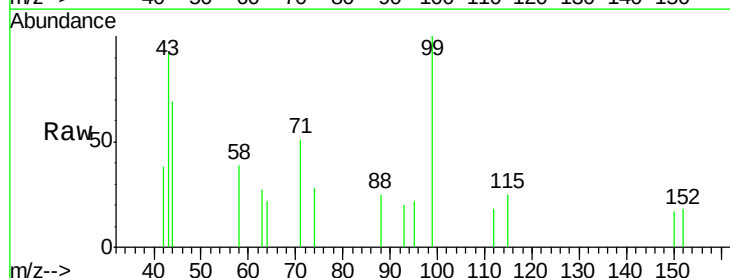
Tgt Ion: 99 Resp: 461

Ion Ratio Lower Upper

99 100

42 20.8 11.1 16.7#

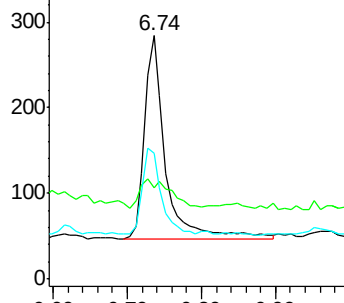
71 38.6 31.4 47.2



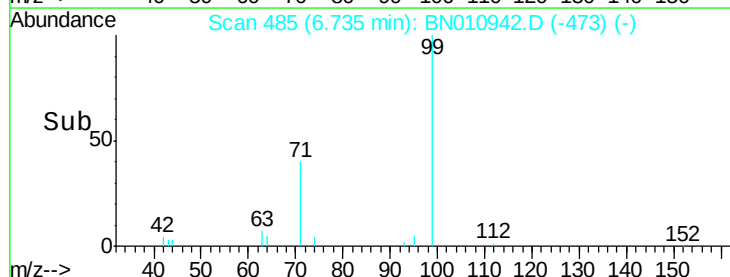
Abundance Ion 99.00 (98.70 to 99.70): BNC

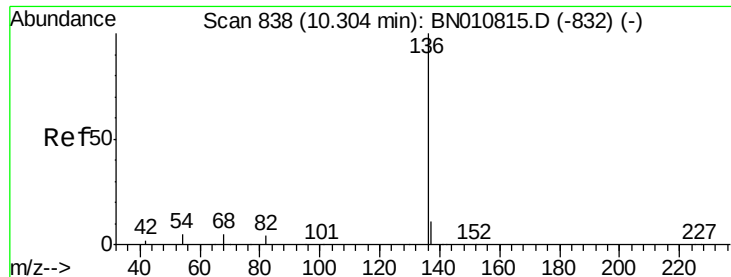
Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

Tot Ion:136 Resp: 7722

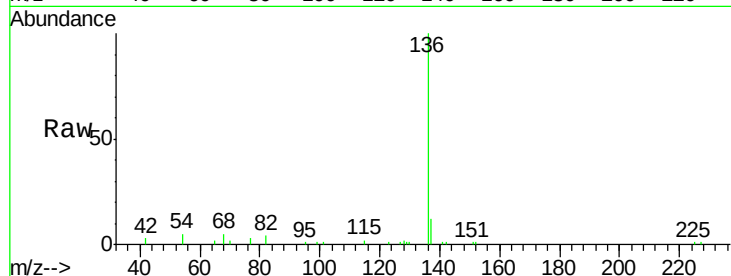
Ion Ratio Lower Upper

136 100

137 12.2 9.7 14.5

54 4.9 4.9 7.3#

68 5.5 4.7 7.1

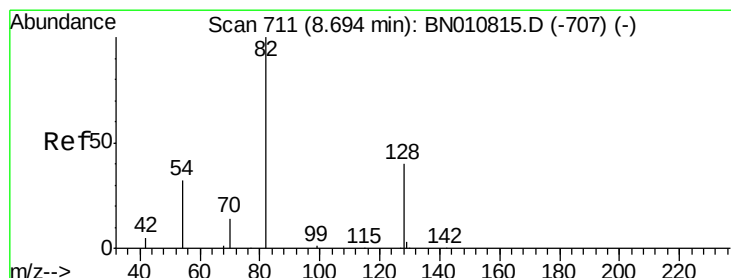
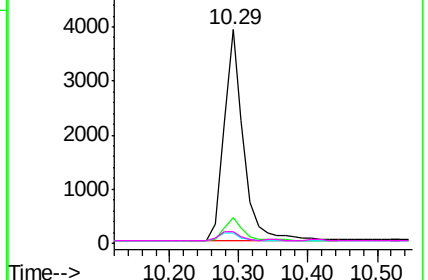
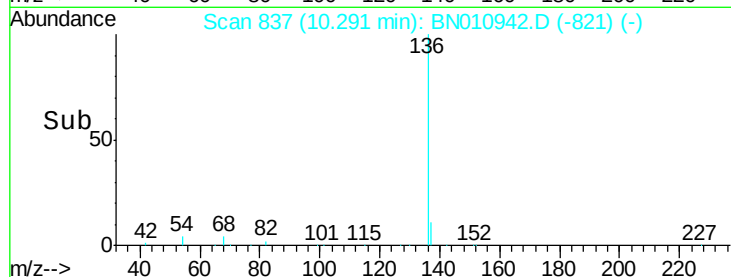


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.407 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

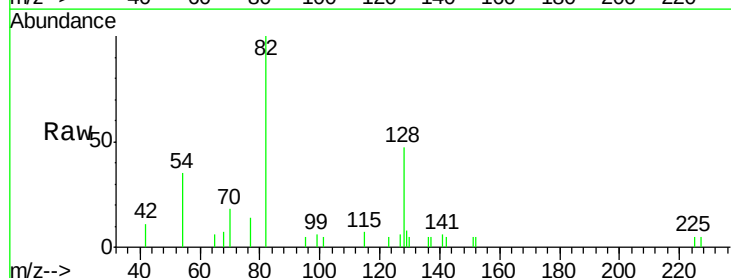
Tgt Ion: 82 Resp: 2325

Ion Ratio Lower Upper

82 100

128 47.1 35.4 53.0

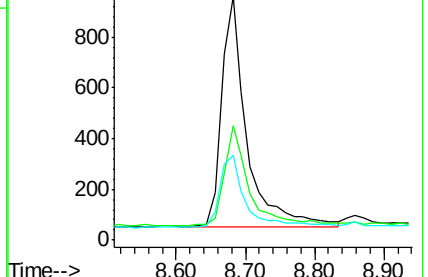
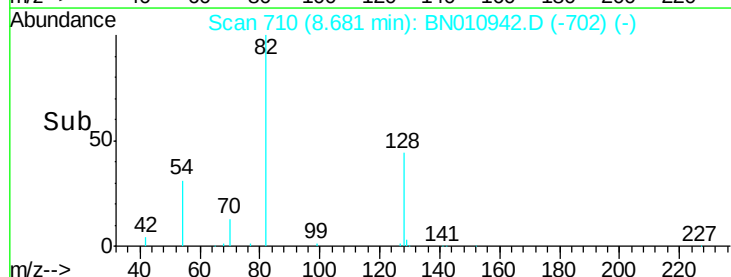
54 34.7 28.2 42.4

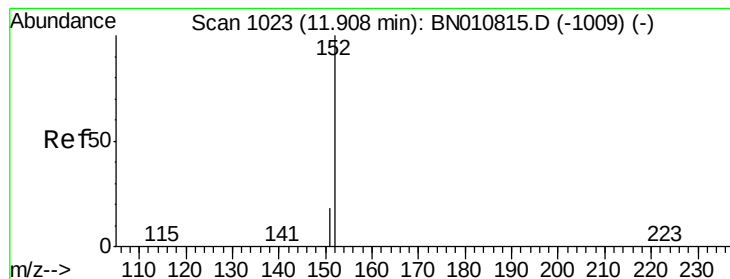


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.422 ng

RT: 11.89 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

Instrument :

BNA_N

ClientSampleId :

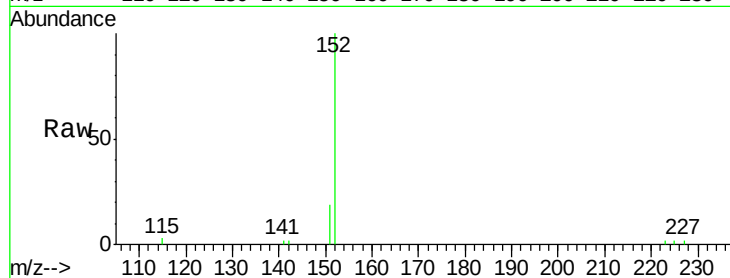
RE104D1-20200612

Tot Ion:152 Resp: 5055

Ion Ratio Lower Upper

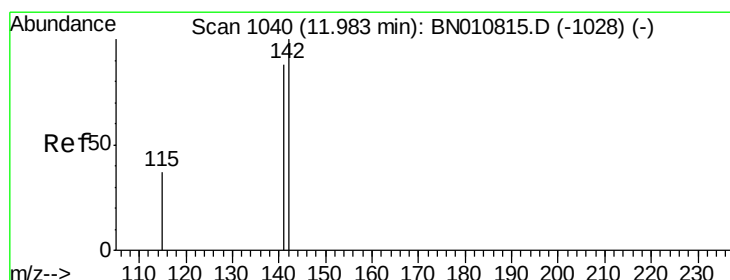
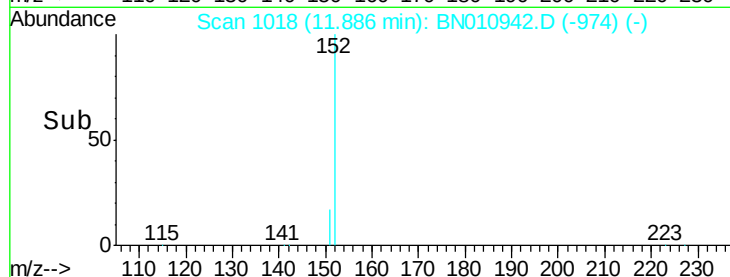
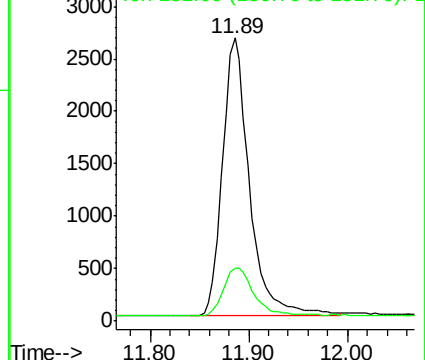
152 100

151 19.3 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.021 ng

RT: 11.96 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

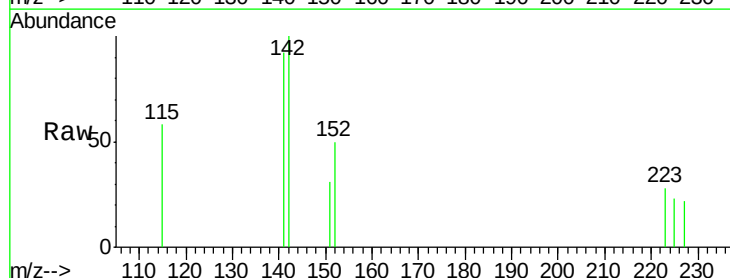
Tgt Ion:142 Resp: 277

Ion Ratio Lower Upper

142 100

141 92.2 70.8 106.2

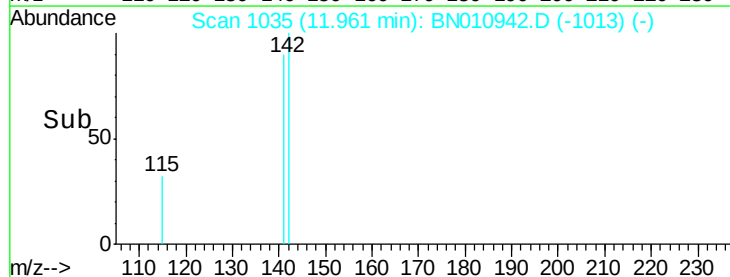
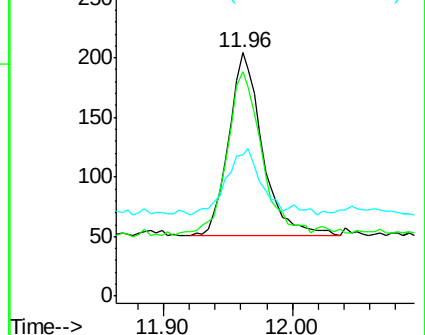
115 58.3 31.5 47.3#

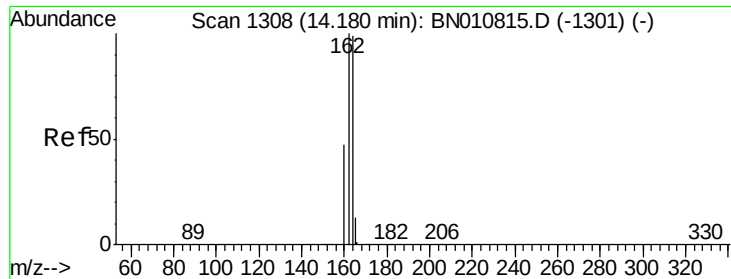


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

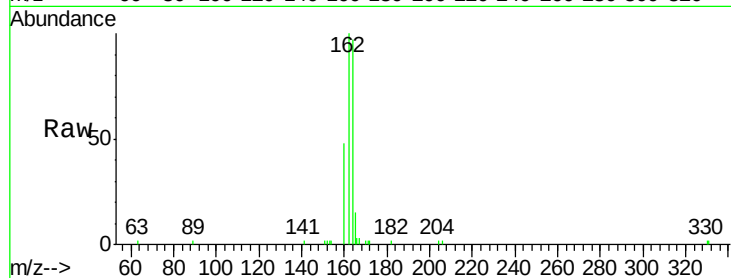
Tot Ion:164 Resp: 4180

Ion Ratio Lower Upper

164 100

162 103.0 81.0 121.6

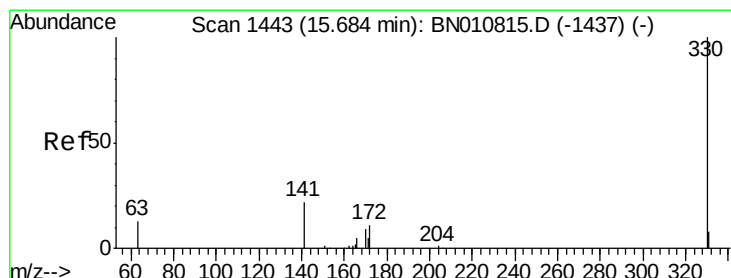
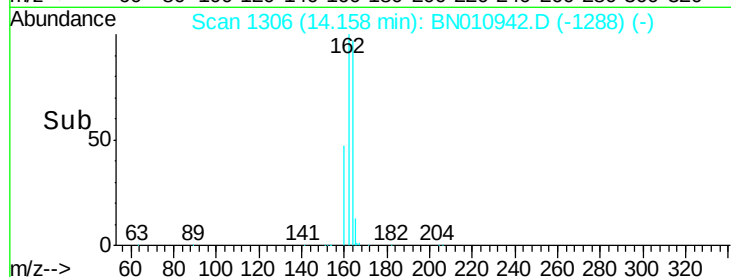
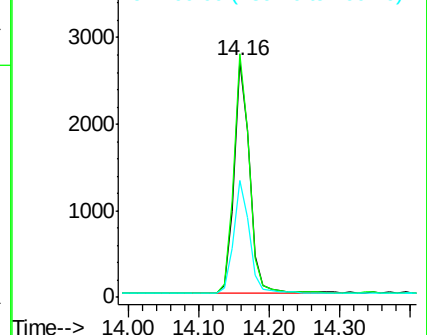
160 49.7 38.9 58.3



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: 0.389 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

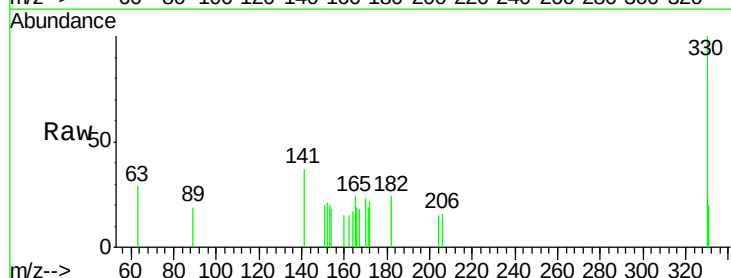
Tgt Ion:330 Resp: 582

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

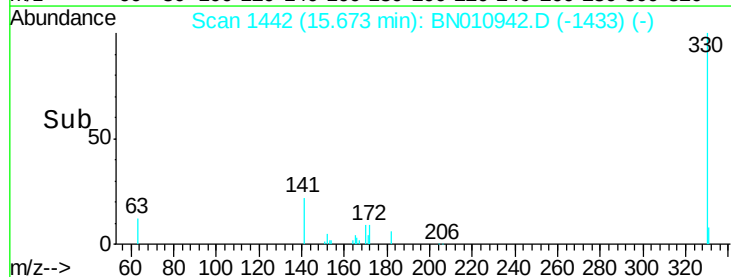
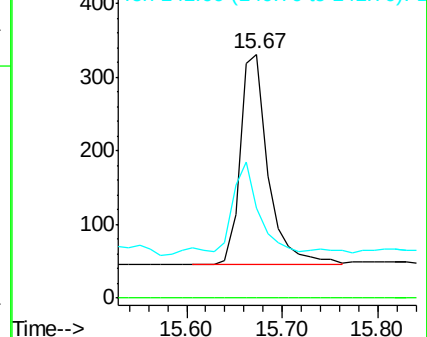
141 37.5 33.2 49.8

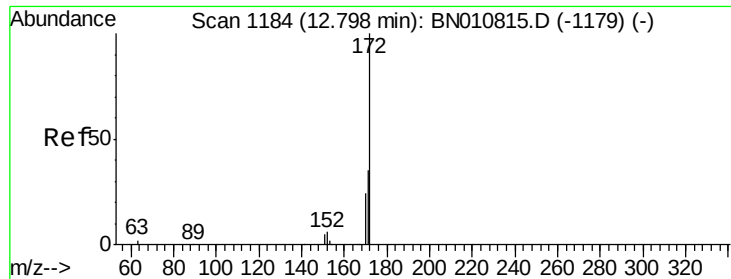


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

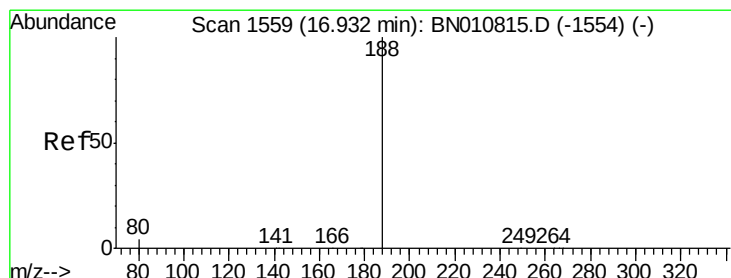
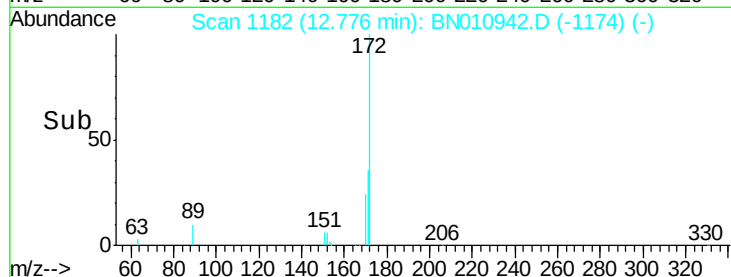
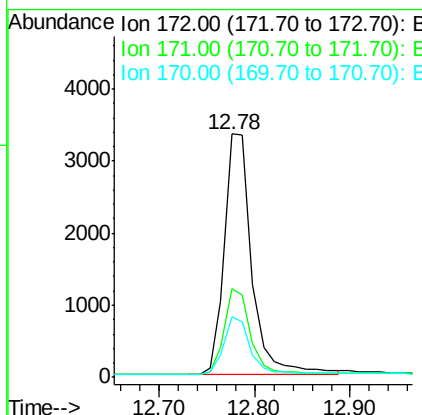
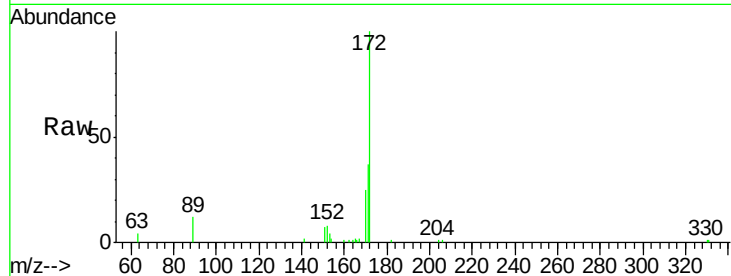




#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BN010942.D
Acq: 17 Jun 2020 15:24

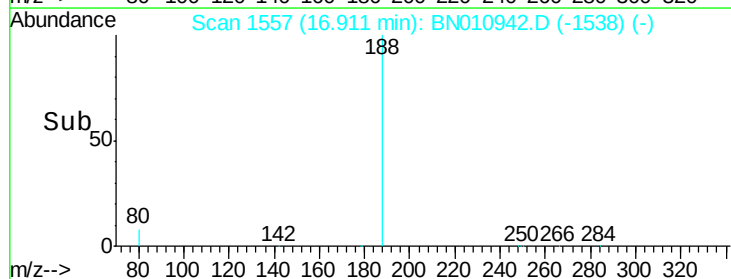
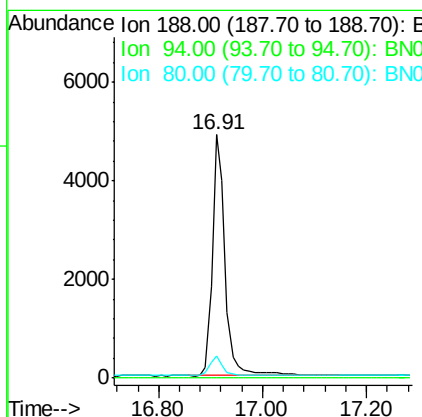
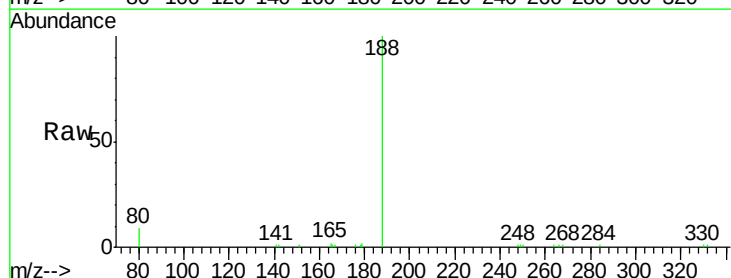
Instrument :
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RE104D1-20200612

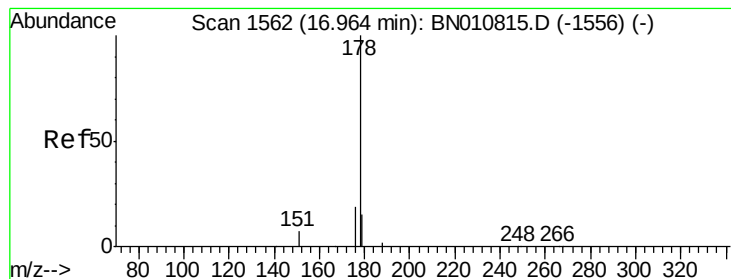
Tot Ion:172 Resp: 6662
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 25.1 19.7 29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BN010942.D
Acq: 17 Jun 2020 15:24

Tgt Ion:188 Resp: 8568
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.4 4.5 6.7#





#23

Phenanthrene

Concen: 0.042 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

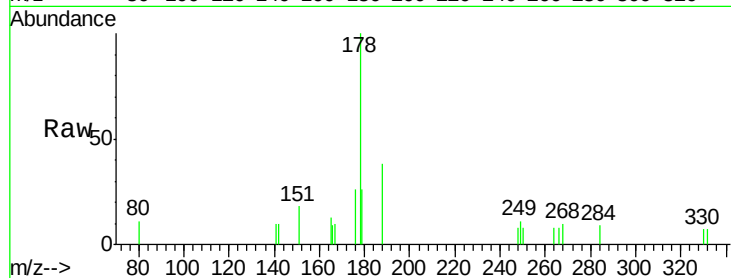
Tot Ion:178 Resp: 978

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

179 19.0 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

16.95

600

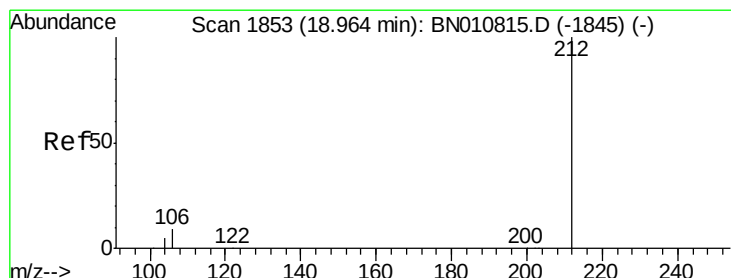
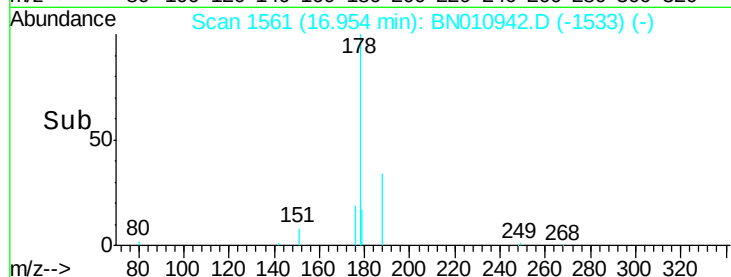
400

200

0

16.80 16.90 17.00

Time-->



#25

Fluoranthene-d10

Concen: 0.560 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

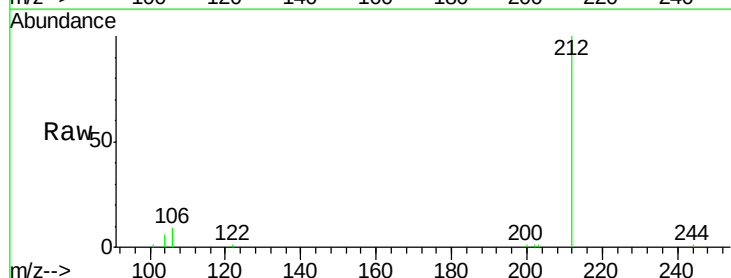
Tgt Ion:212 Resp: 13244

Ion Ratio Lower Upper

212 100

106 9.3 6.6 10.0

104 5.5 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

18.95

12000

10000

8000

6000

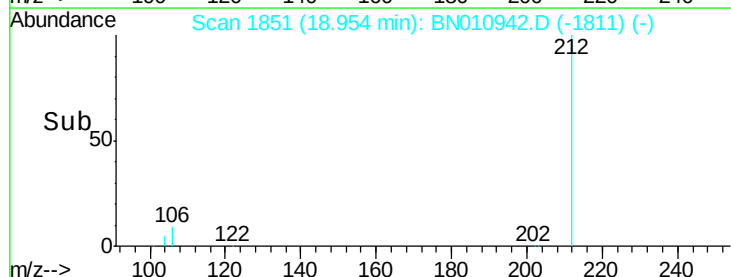
4000

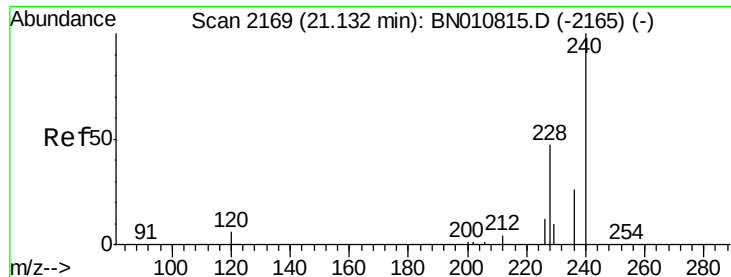
2000

0

18.90 19.00 19.10

Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

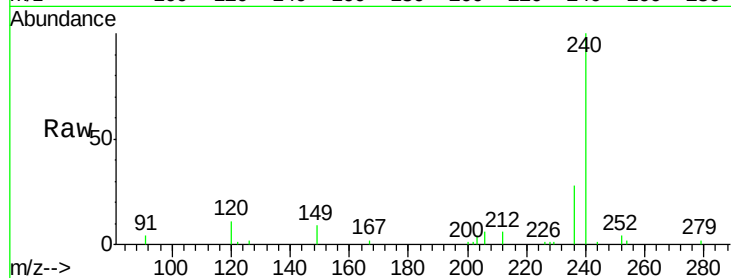
Tot Ion:240 Resp: 7917

Ion Ratio Lower Upper

240 100

120 10.7 7.5 11.3

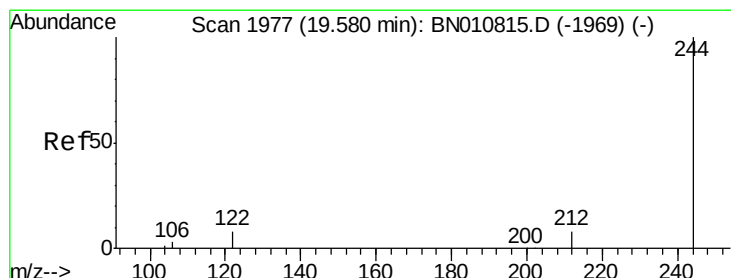
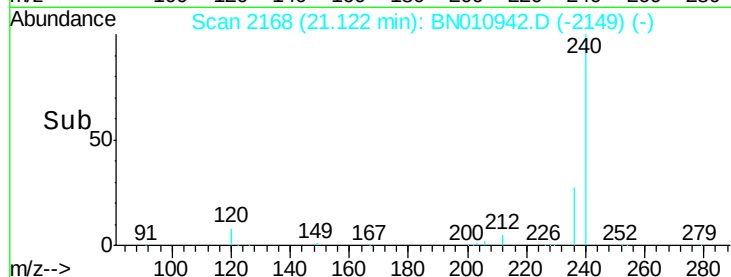
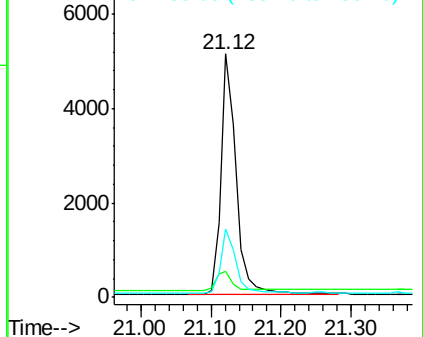
236 28.0 22.3 33.5



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: 0.538 ng

RT: 19.56 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

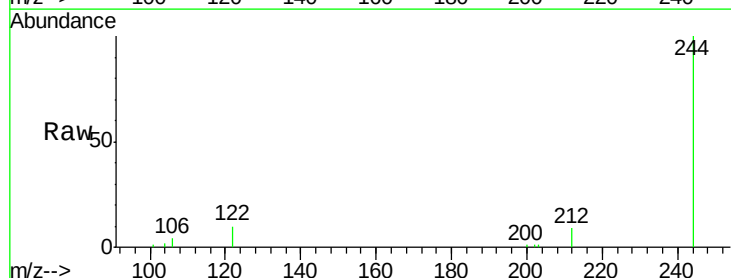
Tgt Ion:244 Resp: 9974

Ion Ratio Lower Upper

244 100

212 8.7 7.4 11.2

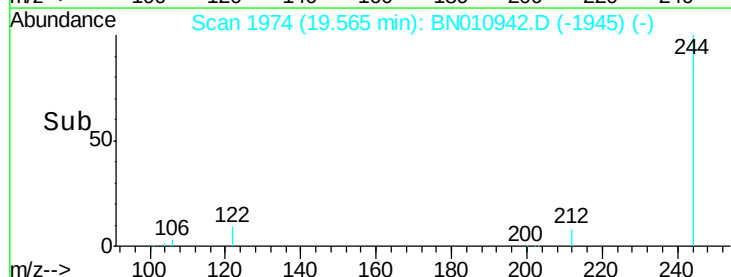
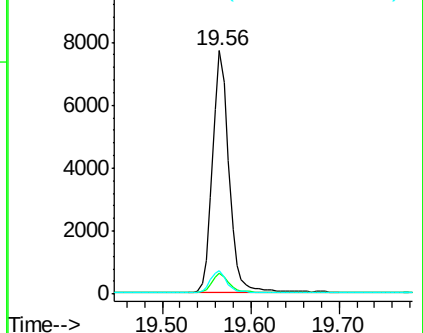
122 9.5 7.5 11.3

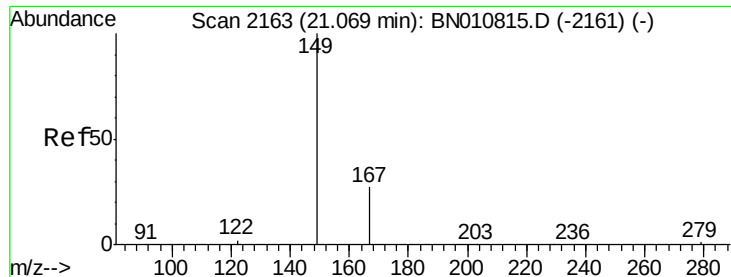


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.106 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

Instrument :

BNA_N

ClientSampleId :

RE104D1-20200612

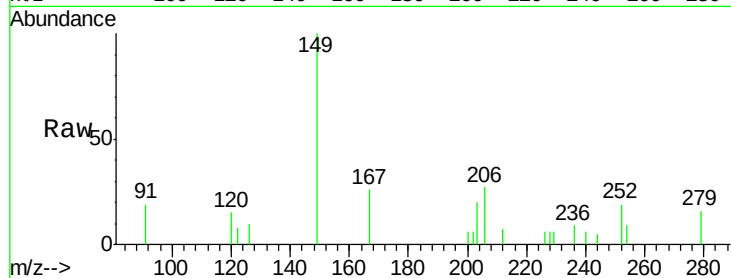
Tot Ion:149 Resp: 826

Ion Ratio Lower Upper

149 100

167 24.9 24.1 36.1

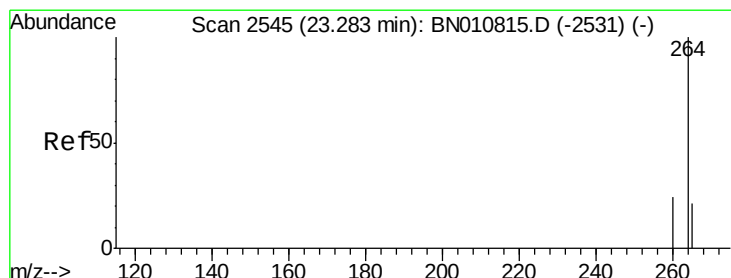
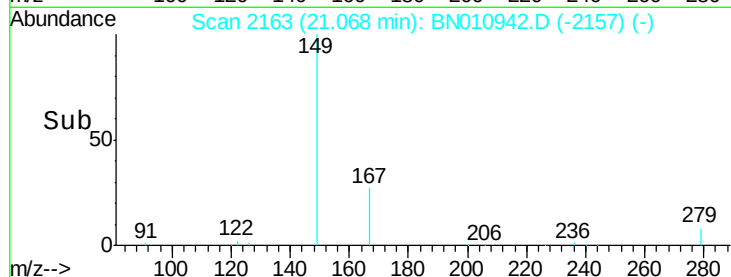
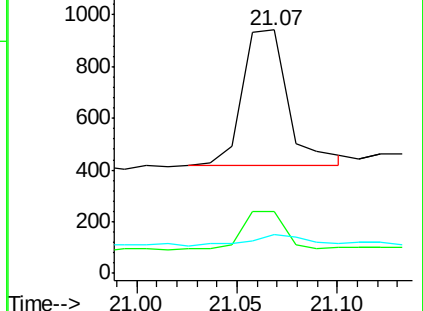
279 9.8 4.6 7.0#



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# 2541

Delta R.T. 0.00 min

Lab File: BN010942.D

Acq: 17 Jun 2020 15:24

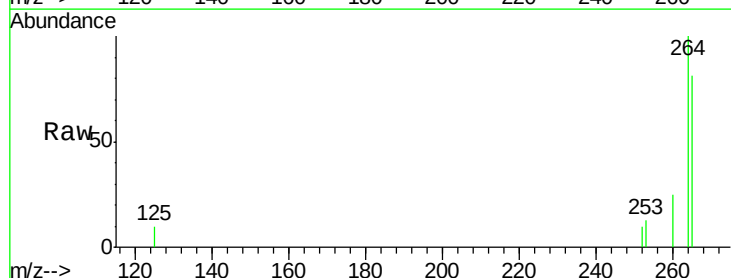
Tgt Ion:264 Resp: 8007

Ion Ratio Lower Upper

264 100

260 24.9 20.4 30.6

265 80.8 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

