

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\
 Data File : BN010932.D
 Acq On : 17 Jun 2020 07:29
 Operator : CG/JU
 Sample : L3011-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D2-20200612

Quant Time: Jun 17 08:13:22 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

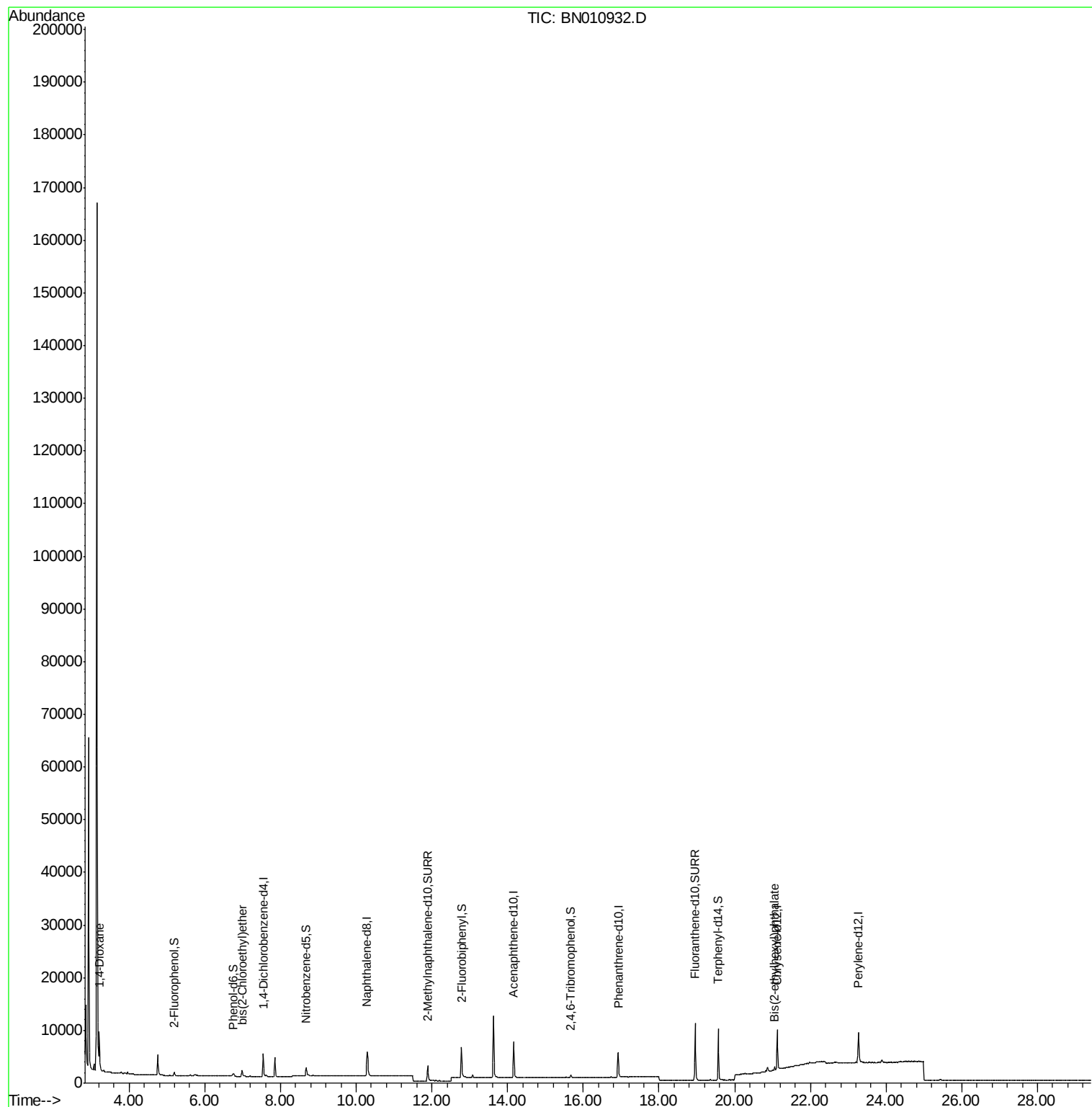
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2252	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	7649	0.40	ng	-0.01
13) Acenaphthene-d10	14.16	164	4177	0.40	ng	-0.01
19) Phenanthrene-d10	16.92	188	8542	0.40	ng	0.00
27) Chrysene-d12	21.12	240	8089	0.40	ng	-0.01
34) Perylene-d12	23.27	264	8271	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	489	0.10	ng	0.00
8) Nitrobenzene-d5	8.68	82	2135	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	5028	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	477	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	6450	0.39	ng	0.00
25) Fluoranthene-d10	18.95	212	14353	0.61	ng	0.00
29) Terphenyl-d14	19.56	244	10600	0.56	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.22	88	5436	2.464	ng	96
6) bis(2-Chloroethyl)ether	6.99	93	1355	0.271	ng	94
32) Bis(2-ethylhexyl)phthalate	21.06	149	640	0.081	ng	# 98

(#) = 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: BN010932.D

Acq: 17 Jun 2020 07:29

Instrument :

BNA_N

ClientSampleId :

RE104D2-20200612

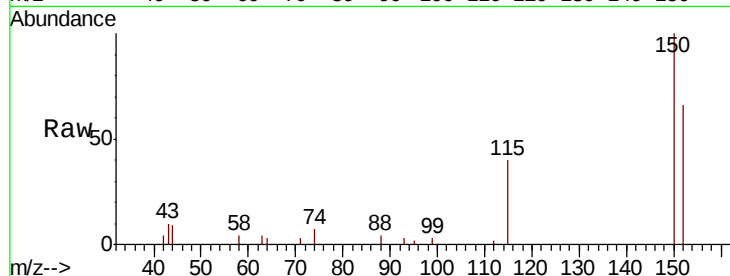
Tot Ion:152 Resp: 2252

Ion Ratio Lower Upper

152 100

150 151.7 123.8 185.6

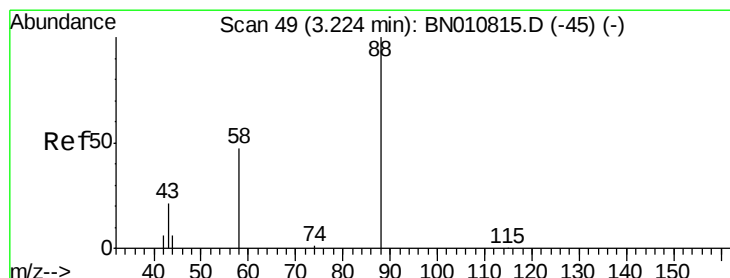
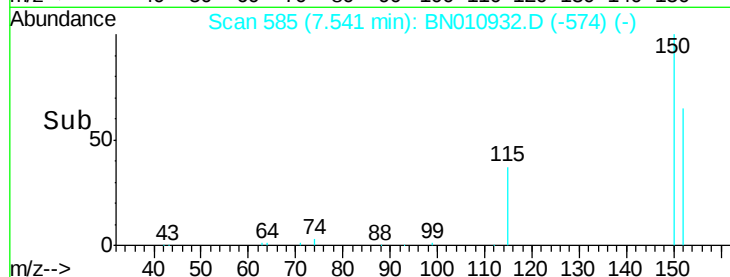
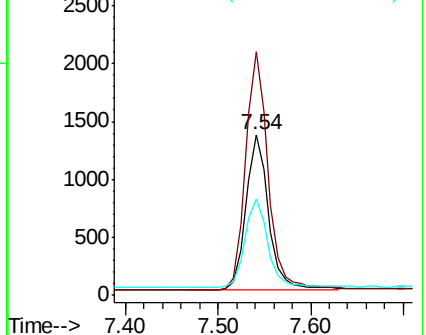
115 60.4 49.2 73.8



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: 2.464 ng

RT: 3.22 min Scan# 48

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

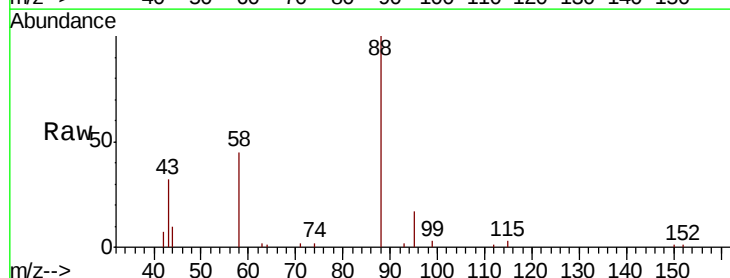
Tgt Ion: 88 Resp: 5436

Ion Ratio Lower Upper

88 100

58 45.6 38.2 57.4

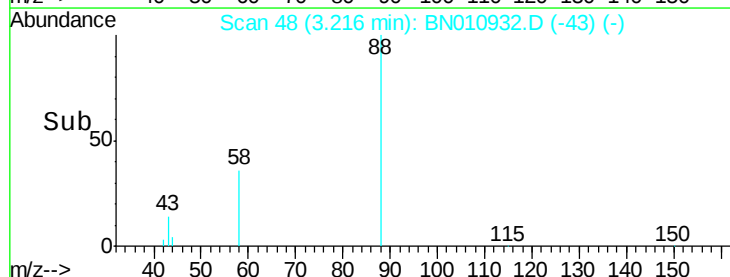
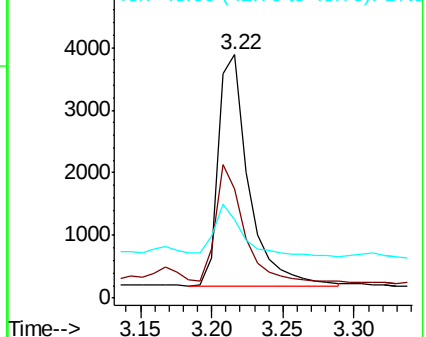
43 22.0 15.1 22.7

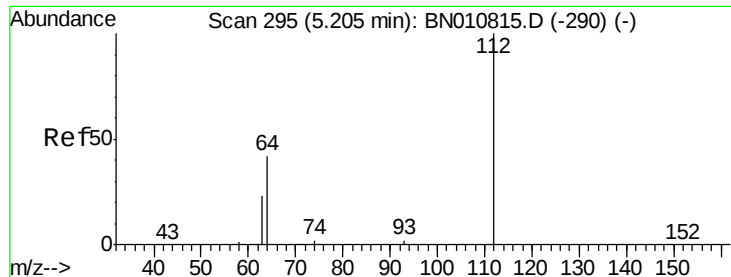


Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 58.00 (57.70 to 58.70): BN0

Ion 43.00 (42.70 to 43.70): BN0





#4

2-Fluorophenol

Concen: 0.154 ng

RT: 5.19 min Scan# 293

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Instrument :

BNA_N

ClientSampleId :

RE104D2-20200612

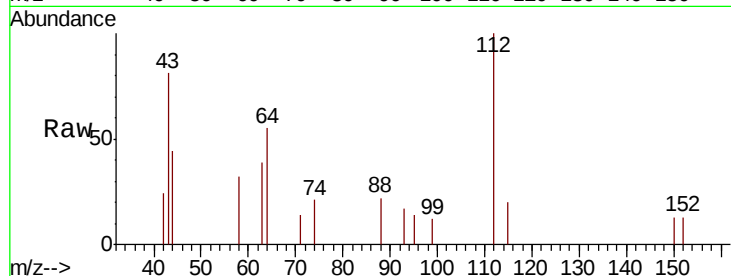
Tot Ion: 112 Resp: 671

Ion Ratio Lower Upper

112 100

64 45.0 37.4 56.0

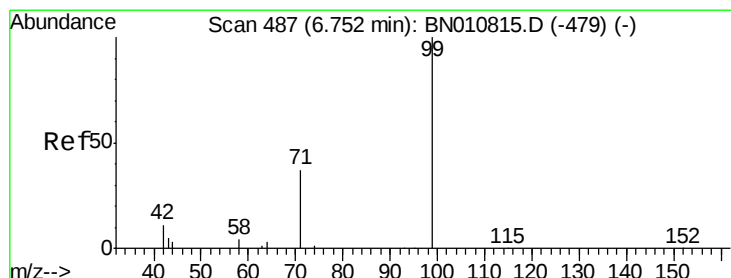
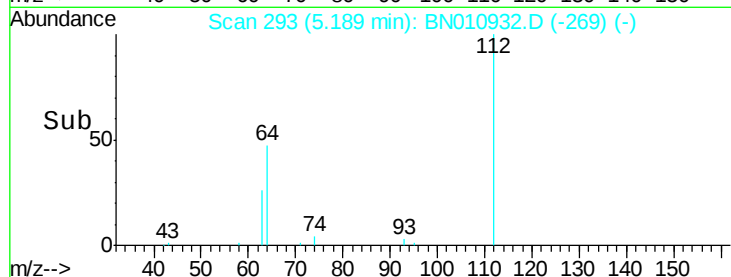
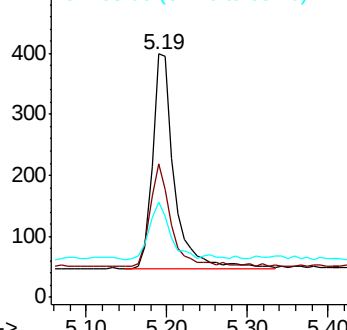
63 24.4 22.2 33.4



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

Phenol-d6

Concen: 0.095 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

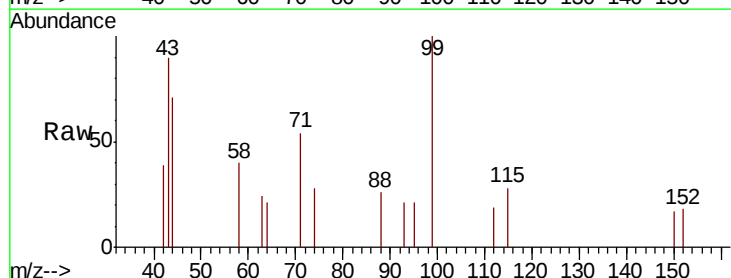
Tgt Ion: 99 Resp: 489

Ion Ratio Lower Upper

99 100

42 24.5 11.1 16.7#

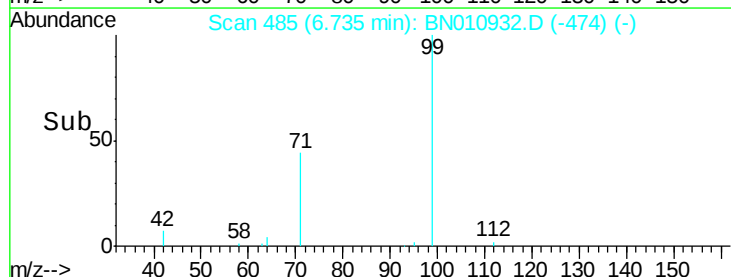
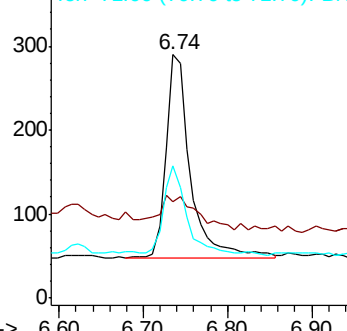
71 38.2 31.4 47.2

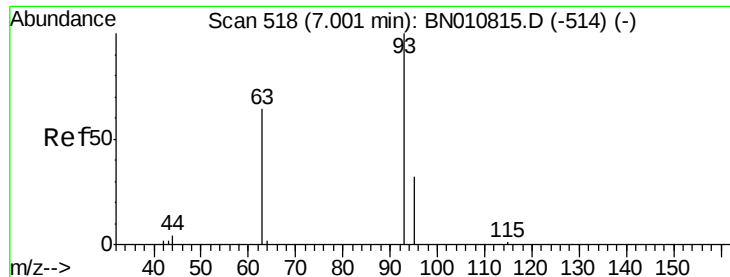


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#6

bis(2-Chloroethyl)ether

Concen: 0.271 ng

RT: 6.99 min Scan# 516

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Instrument :

BNA_N

ClientSampleId :

RE104D2-20200612

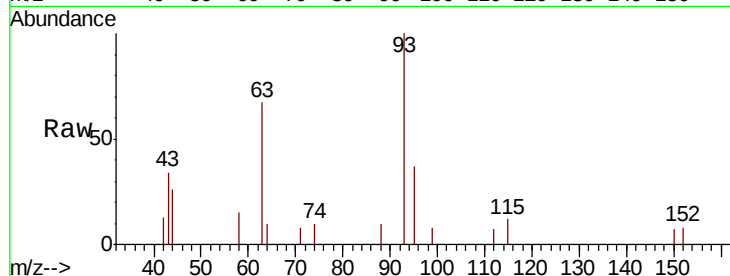
Tot Ion: 93 Resp: 1355

Ion Ratio Lower Upper

93 100

63 57.0 49.4 74.2

95 30.5 26.7 40.1

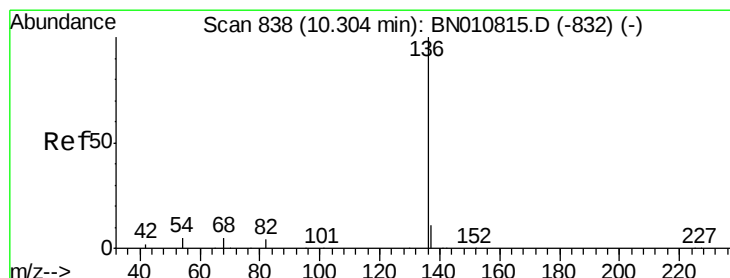
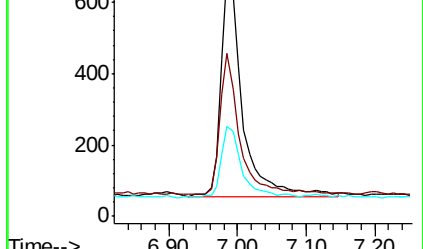
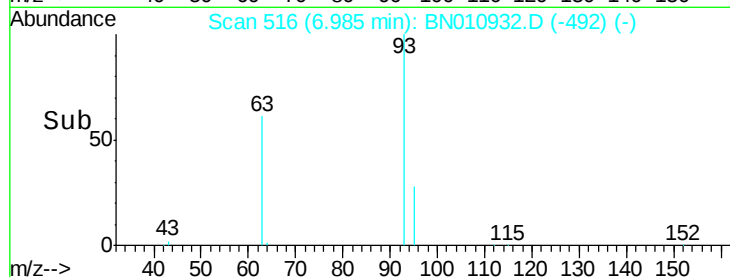


Abundance Ion 93.00 (92.70 to 93.70): BN010815.D (-514) (-)

Ion 63.00 (62.70 to 63.70): BN010815.D (-514) (-)

Ion 95.00 (94.70 to 95.70): BN010815.D (-514) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Tgt Ion: 136 Resp: 7649

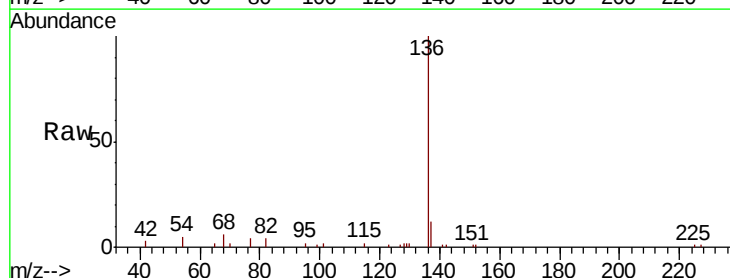
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 5.2 4.9 7.3

68 6.1 4.7 7.1



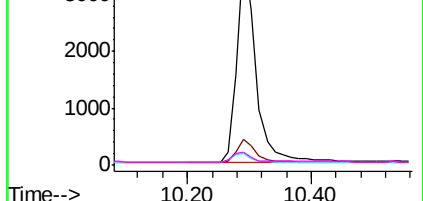
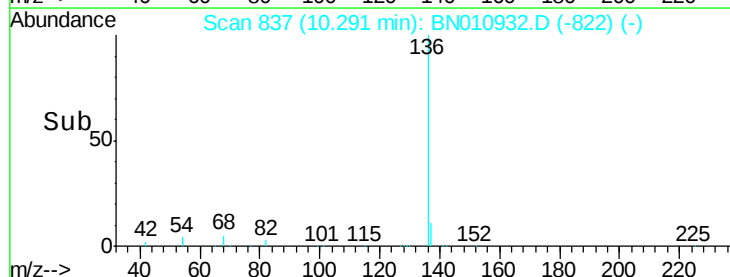
Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

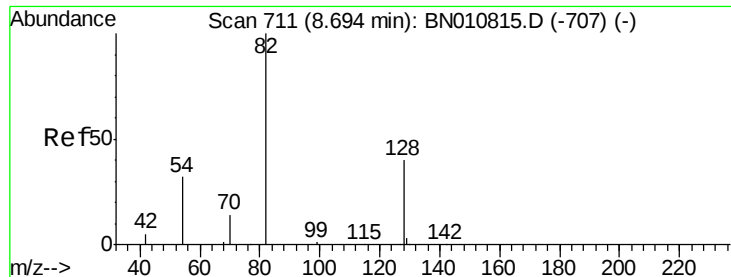
Ion 137.00 (136.70 to 137.70): BN010815.D (-832) (-)

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

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

Time-->





#8

Nitrobenzene-d5

Concen: 0.377 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.00 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Instrument :

BNA_N

ClientSampleId :

RE104D2-20200612

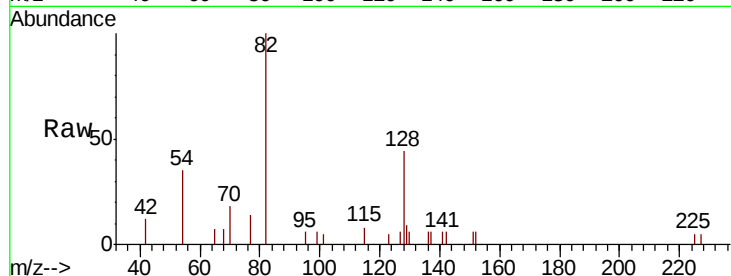
Tot Ion: 82 Resp: 2135

Ion Ratio Lower Upper

82 100

128 44.3 35.4 53.0

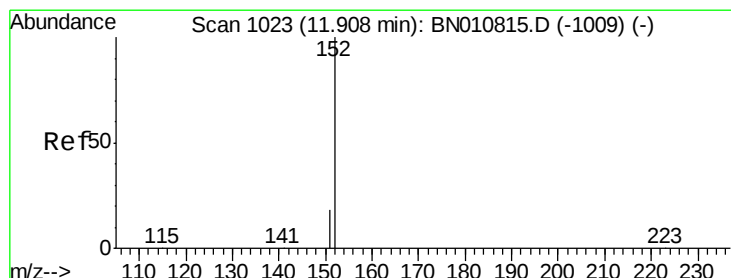
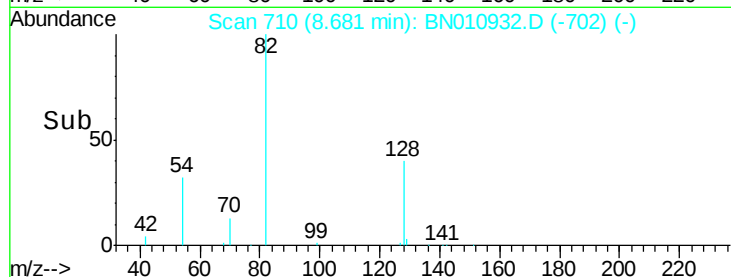
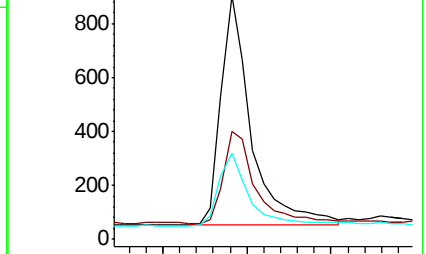
54 35.3 28.2 42.4



Abundance Ion 82.00 (81.70 to 82.70): BN010815.D (-707) (-)

Ion 128.00 (127.70 to 128.70): BN010815.D (-707) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-707) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.424 ng

RT: 11.89 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BN010932.D

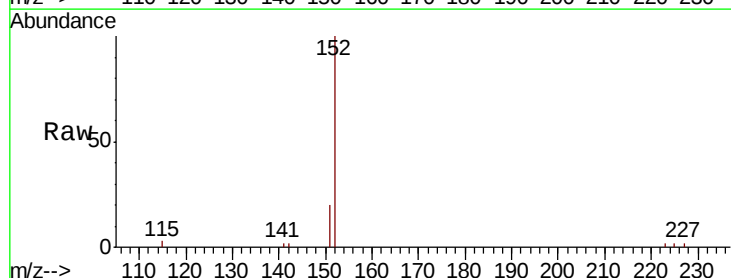
Acq: 17 Jun 2020 07:29

Tgt Ion: 152 Resp: 5028

Ion Ratio Lower Upper

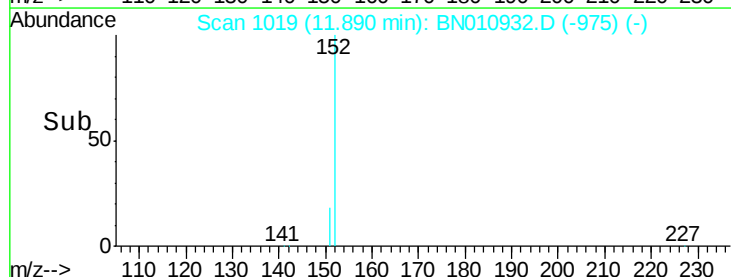
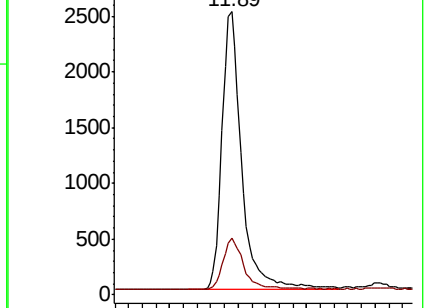
152 100

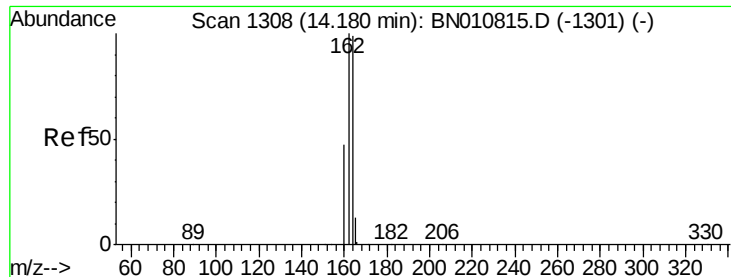
151 19.4 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): BN010815.D (-1009) (-)

Ion 151.00 (150.70 to 151.70): BN010815.D (-1009) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Instrument :

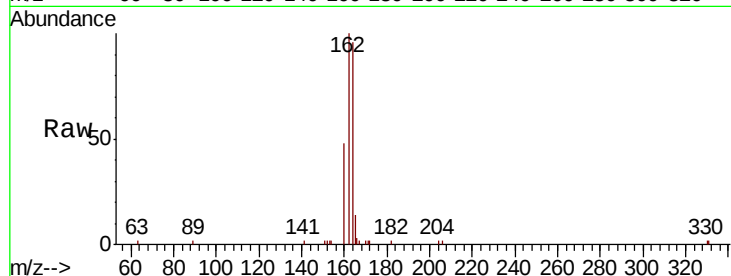
BNA_N

ClientSampleId :

RE104D2-20200612

Tot Ion:164 Resp: 4177

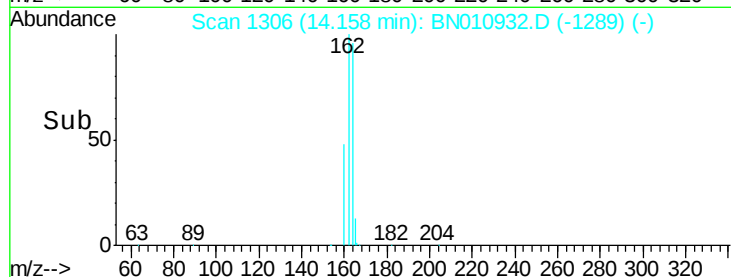
Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.0	121.6
160	50.4	38.9	58.3



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: 0.319 ng

RT: 15.67 min Scan# 1442

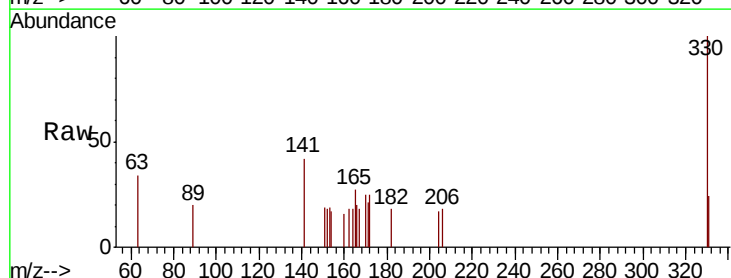
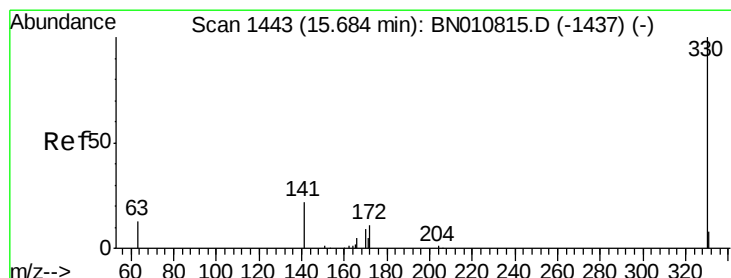
Delta R.T. -0.00 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Tgt Ion:330 Resp: 477

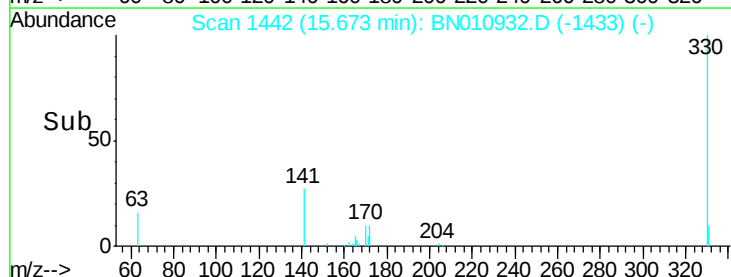
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.5	33.2	49.8



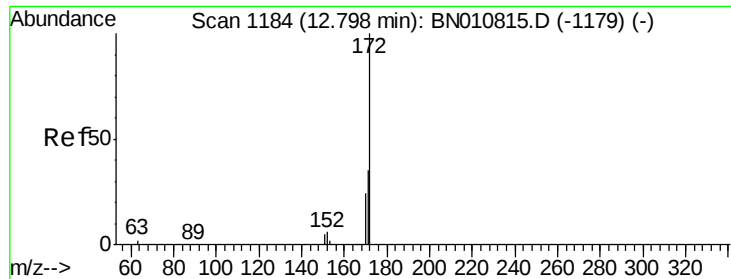
Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



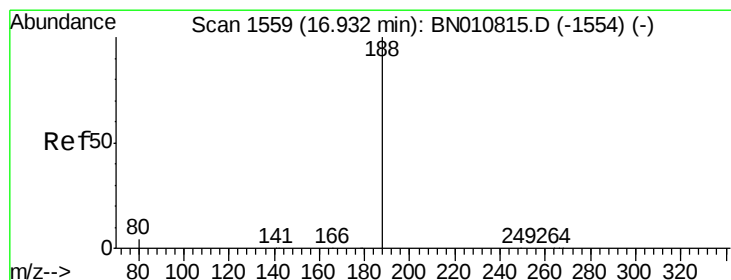
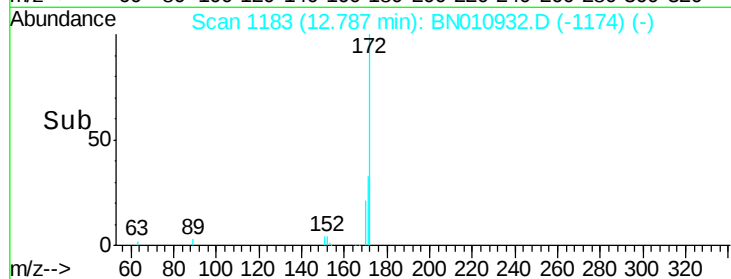
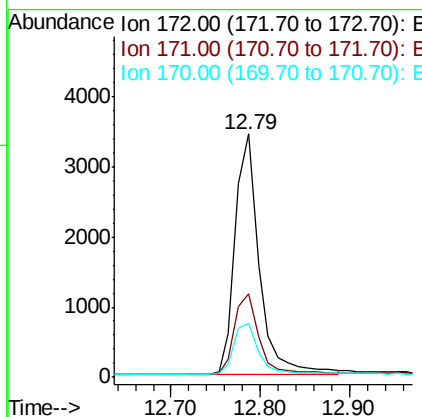
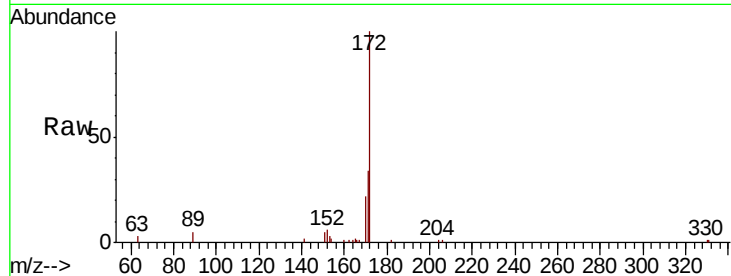
Time-->



#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BN010932.D
Acq: 17 Jun 2020 07:29

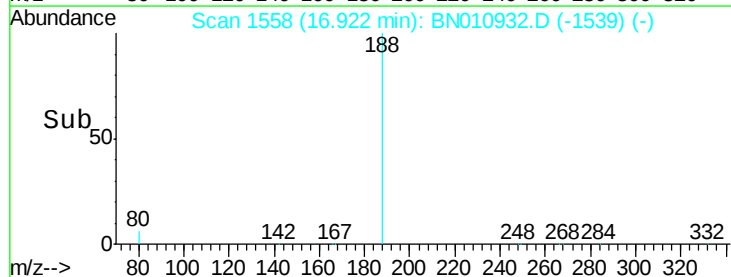
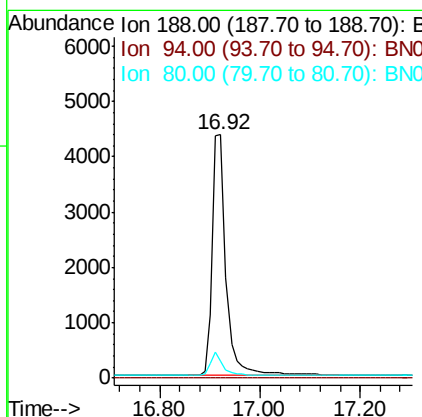
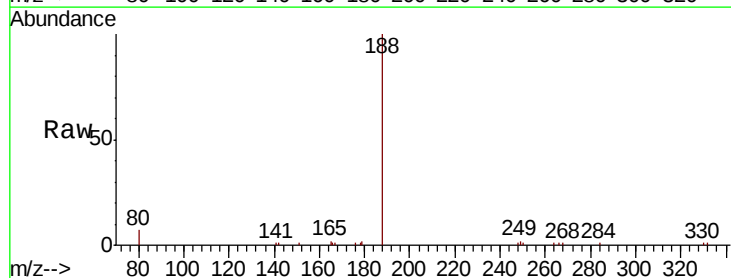
Instrument :
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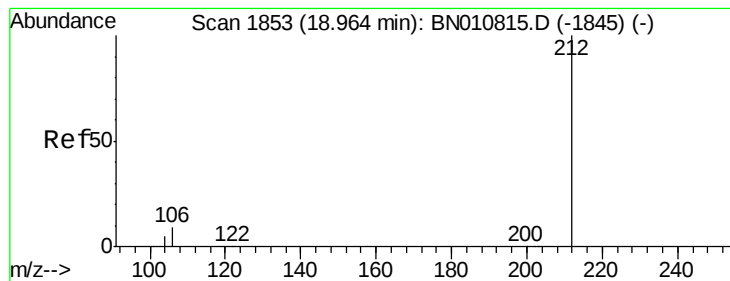
Tot Ion:172 Resp: 6450
Ion Ratio Lower Upper
172 100
171 34.2 28.5 42.7
170 22.4 19.7 29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BN010932.D
Acq: 17 Jun 2020 07:29

Tgt Ion:188 Resp: 8542
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.8 4.5 6.7#





#25

Fluoranthene-d10

Concen: 0.609 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Instrument :

BNA_N

ClientSampleId :

RE104D2-20200612

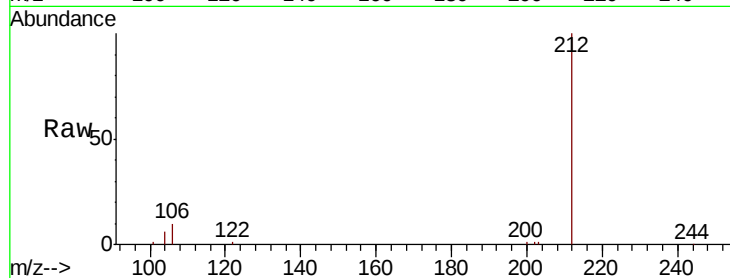
Tot Ion:212 Resp: 14353

Ion Ratio Lower Upper

212 100

106 9.3 6.6 10.0

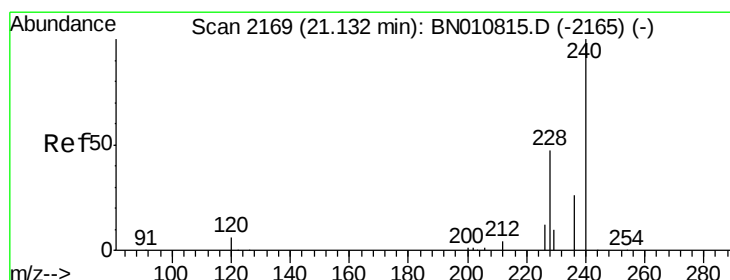
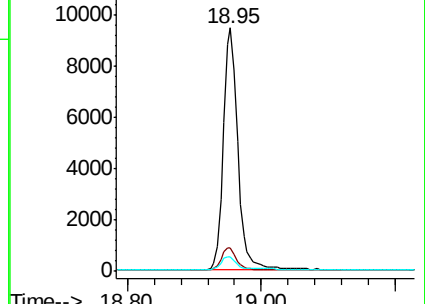
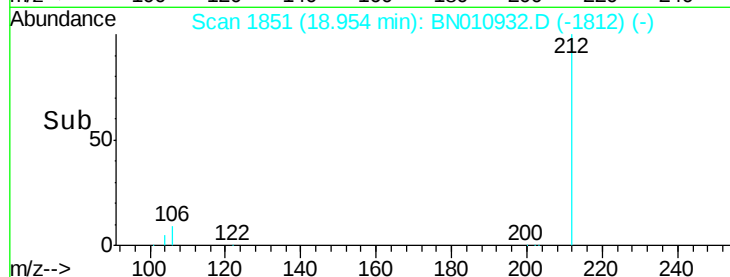
104 5.3 4.0 6.0



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. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

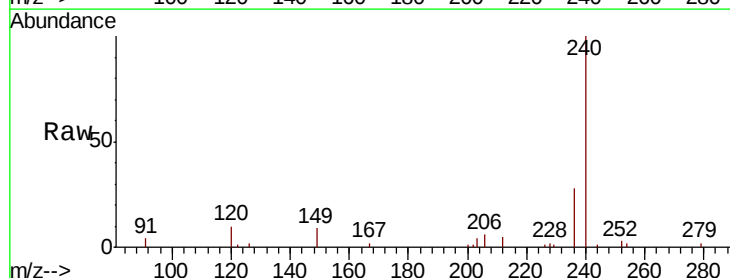
Tgt Ion:240 Resp: 8089

Ion Ratio Lower Upper

240 100

120 9.8 7.5 11.3

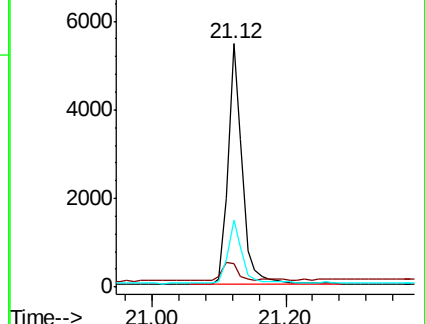
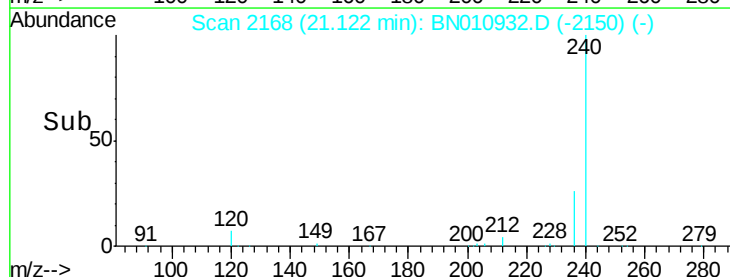
236 27.6 22.3 33.5

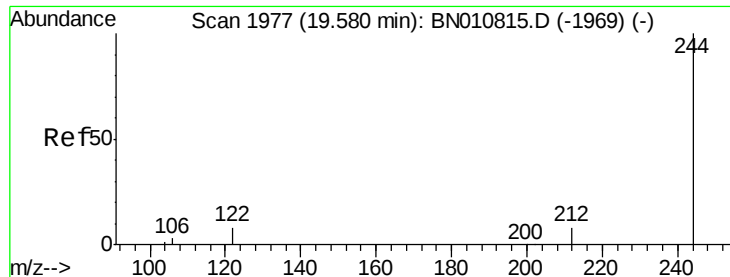


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.560 ng

RT: 19.56 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Instrument :

BNA_N

ClientSampleId :

RE104D2-20200612

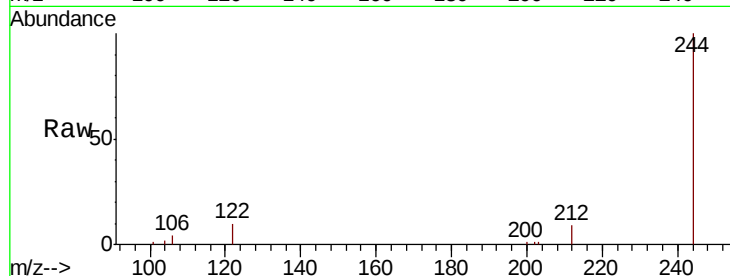
Tot Ion:244 Resp: 10600

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.2

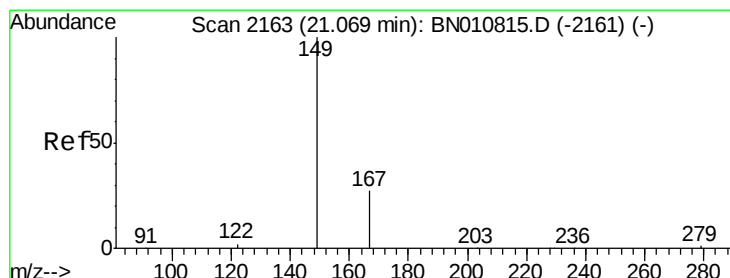
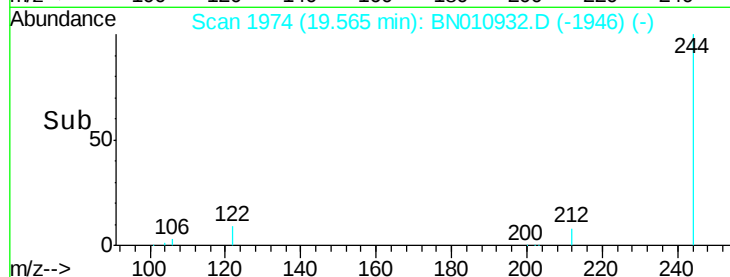
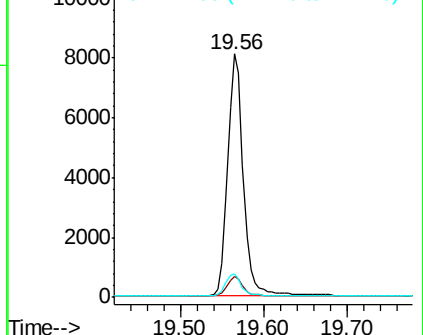
122 9.5 7.5 11.3



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: 0.081 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

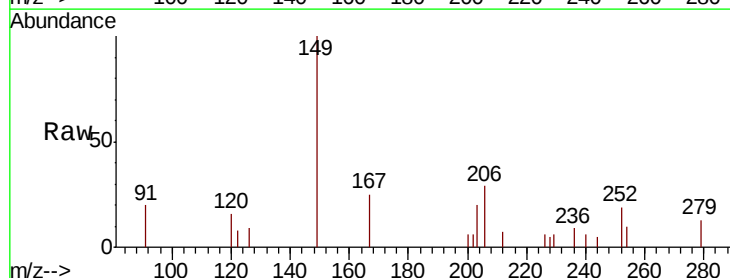
Tgt Ion:149 Resp: 640

Ion Ratio Lower Upper

149 100

167 30.3 24.1 36.1

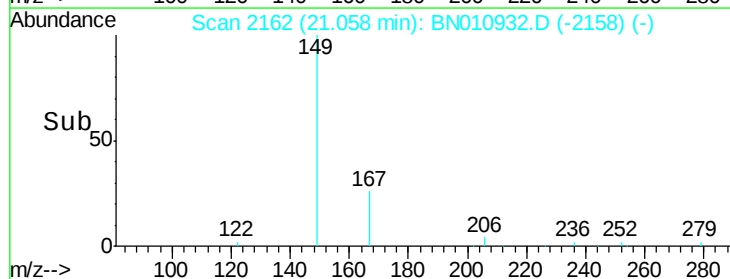
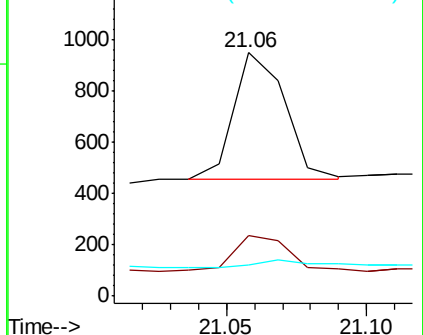
279 8.9 4.6 7.0#

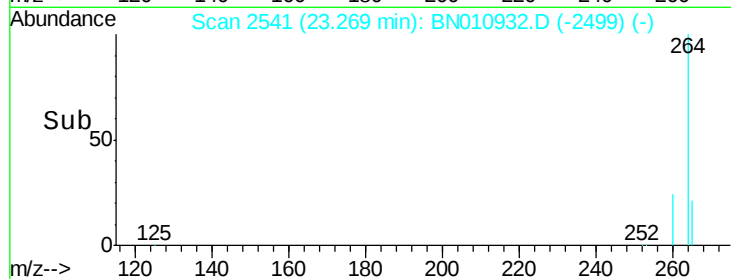
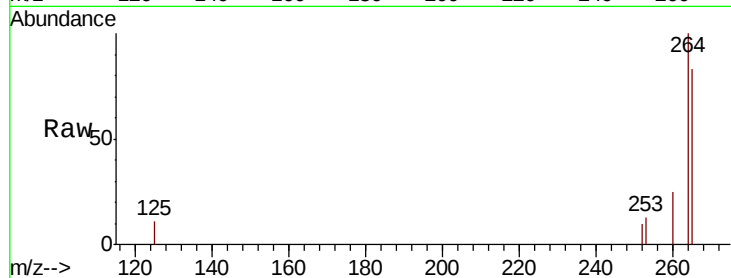


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.27 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BN010932.D

Acq: 17 Jun 2020 07:29

Instrument :

BNA_N

ClientSampleId :

RE104D2-20200612

Tot Ion: 264 Resp: 8271

Ion Ratio Lower Upper

264 100

260 24.9 20.4 30.6

265 82.6 75.0 112.4

