

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031120\
 Data File : BN010197.D
 Acq On : 11 Mar 2020 18:11
 Operator : CG/JU
 Sample : L1842-24DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE105D1-20200305DL

Quant Time: Mar 12 07:15:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 11 17:37:44 2020
 Response via : Initial Calibration

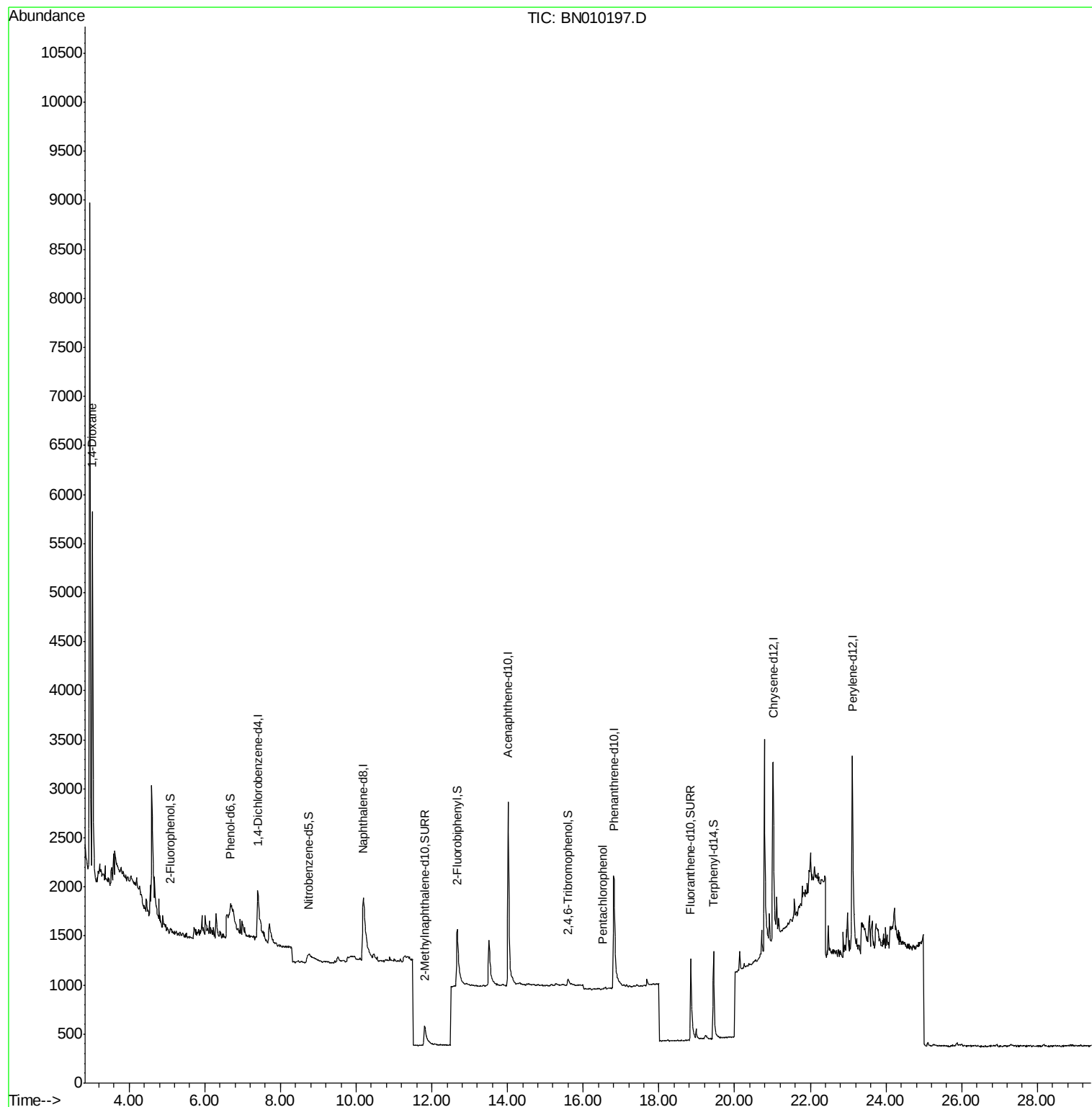
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	805	0.40	ng	0.03
7) Naphthalene-d8	10.19	136	2465	0.40	ng	0.08
13) Acenaphthene-d10	14.01	164	1779	0.40	ng	0.01
19) Phenanthrene-d10	16.80	188	3476	0.40	ng	0.03
27) Chrysene-d12	21.02	240	3413	0.40	ng	0.02
34) Perylene-d12	23.11	264	3736	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.10	112	80	0.04	ng	0.06
5) Phenol-d6	6.68	99	52	0.02	ng	0.07
8) Nitrobenzene-d5	8.76	82	148	0.07	ng	0.20
11) 2-Methylnaphthalene-d10	11.81	152	749	0.16	ng	0.08
14) 2,4,6-Tribromophenol	15.60	330	86	0.13	ng	0.06
15) 2-Fluorobiphenyl	12.68	172	1070	0.16	ng	0.04
25) Fluoranthene-d10	18.84	212	1892	0.16	ng	0.02
29) Terphenyl-d14	19.45	244	1696	0.21	ng	0.02
Target Compounds						
2) 1,4-Dioxane	3.04	88	1878	2.278	ng	97
22) Pentachlorophenol	16.51	266	2	0.181	ng	# 75

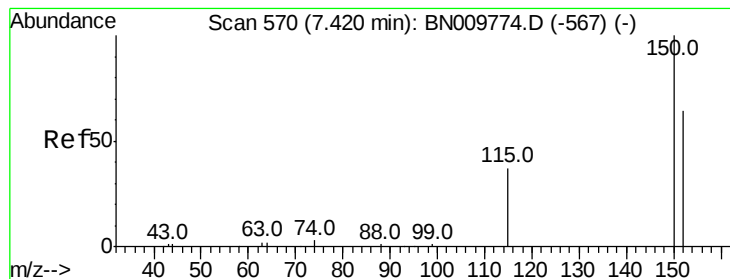
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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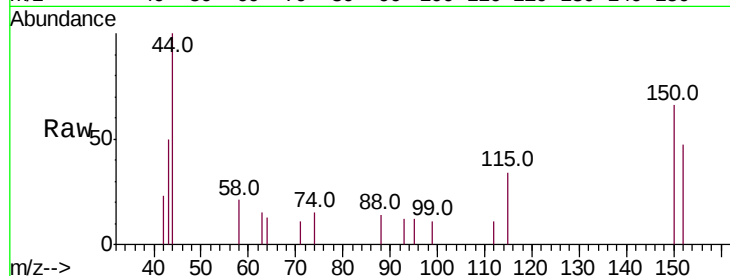


#1

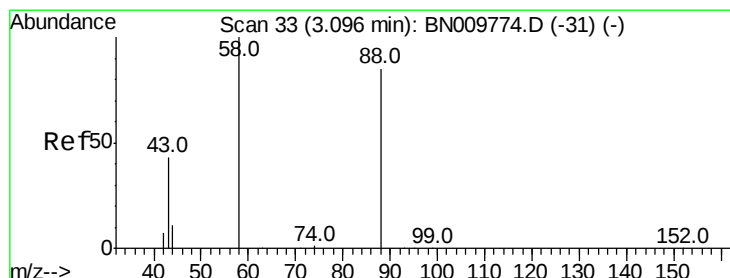
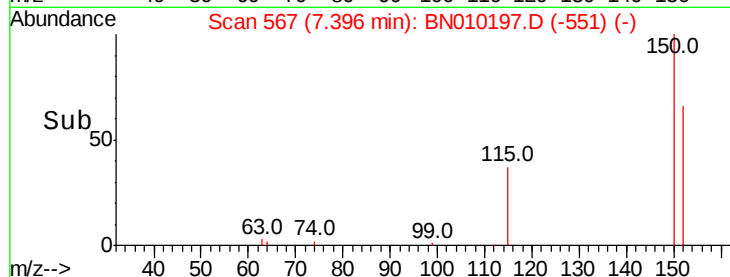
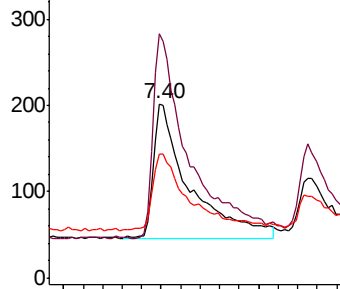
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. 0.03 min
Lab File: BN010197.D
Acq: 11 Mar 2020 18:11

Instrument :
BNA_N
ClientSampleId :
RE105D1-20200305DL

Tot Ion:152 Resp: 805
Ion Ratio Lower Upper
152 100
150 140.1 120.6 181.0
115 71.3 51.2 76.8



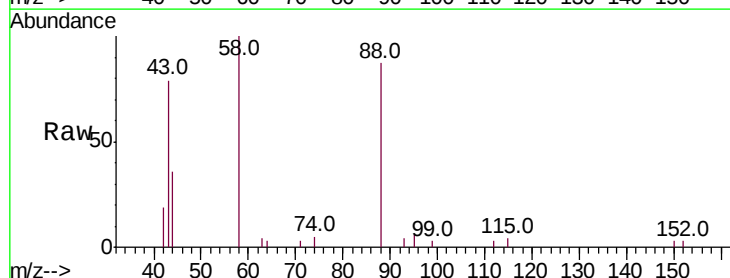
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



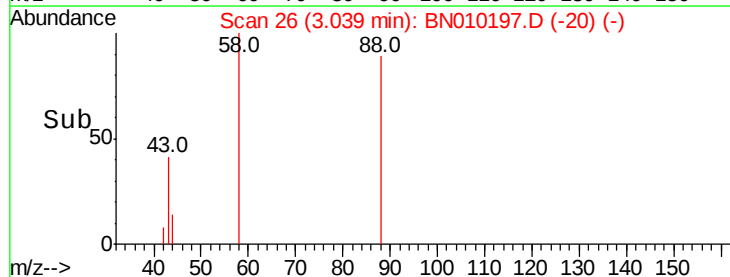
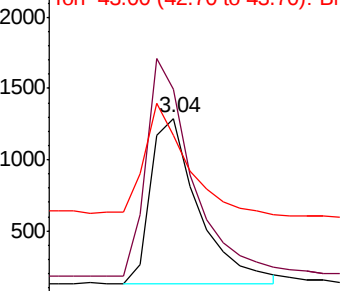
#2

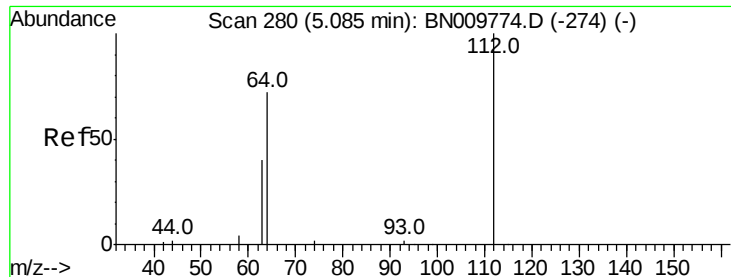
1,4-Dioxane
Concen: 2.278 ng
RT: 3.04 min Scan# 26
Delta R.T. 0.00 min
Lab File: BN010197.D
Acq: 11 Mar 2020 18:11

Tgt Ion: 88 Resp: 1878
Ion Ratio Lower Upper
88 100
58 126.9 97.8 146.8
43 57.6 45.1 67.7



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: 0.045 ng

RT: 5.10 min Scan# 282

Delta R.T. 0.06 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

Instrument :

BNA_N

ClientSampleId :

RE105D1-20200305DL

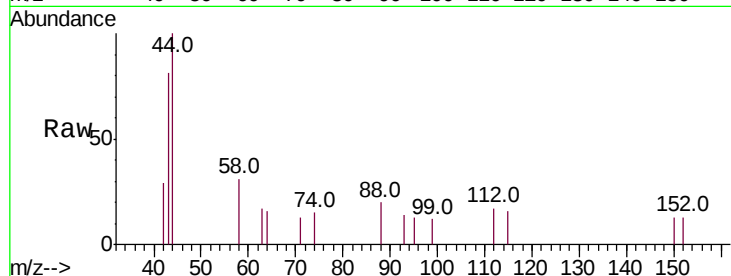
Tot Ion:112 Resp: 80

Ion Ratio Lower Upper

112 100

64 123.8 65.8 98.6#

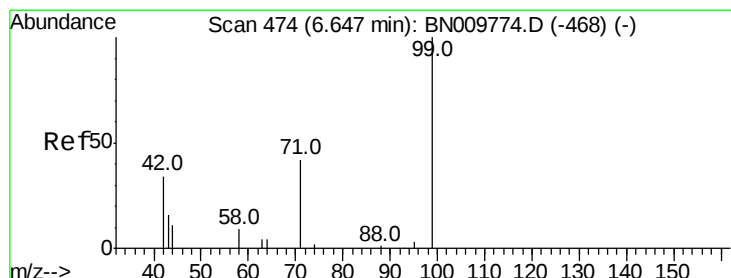
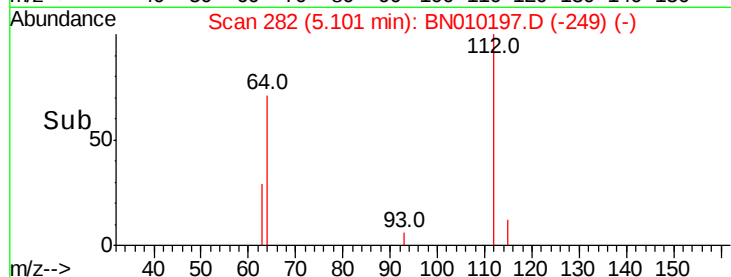
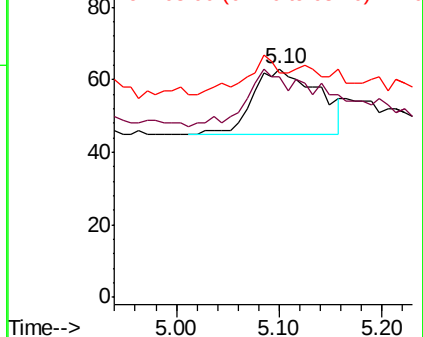
63 32.5 38.7 58.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0



#5

Phenol-d6

Concen: 0.024 ng

RT: 6.68 min Scan# 478

Delta R.T. 0.07 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

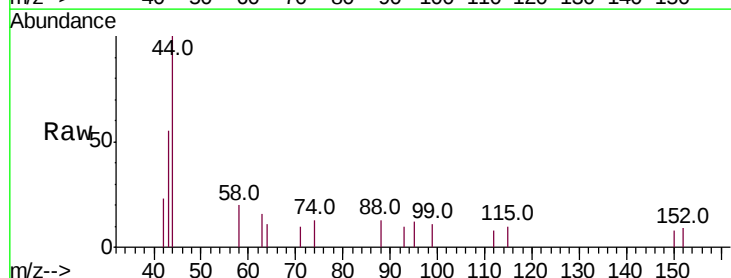
Tgt Ion: 99 Resp: 52

Ion Ratio Lower Upper

99 100

42 67.3 30.8 46.2#

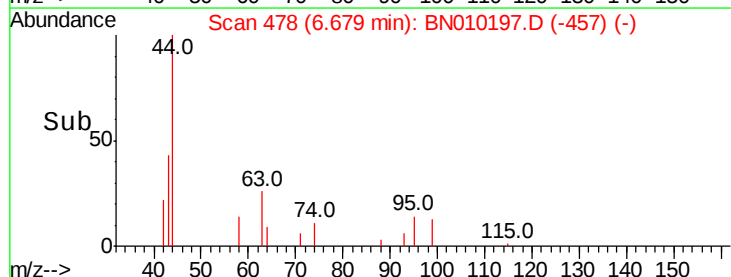
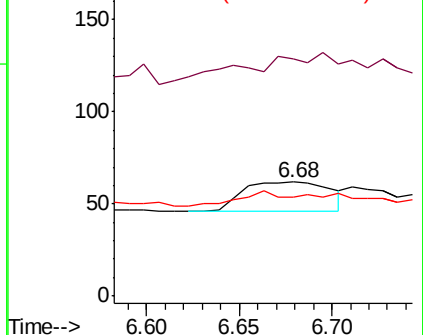
71 26.9 34.9 52.3#

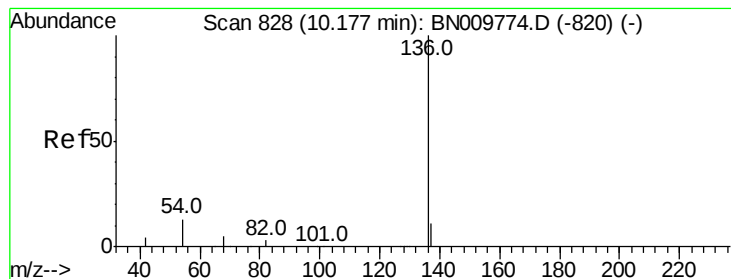


Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 829

Delta R.T. 0.08 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

Instrument :

BNA_N

ClientSampleId :

RE105D1-20200305DL

Tot Ion:136 Resp: 2465

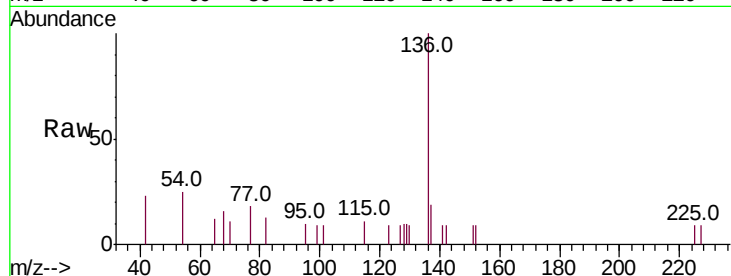
Ion Ratio Lower Upper

136 100

137 19.2 11.3 16.9#

54 24.8 13.4 20.2#

68 16.4 7.0 10.4#

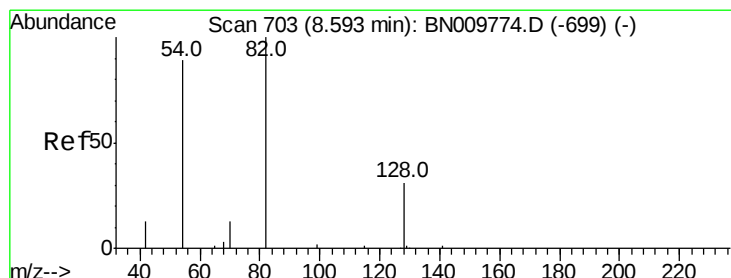
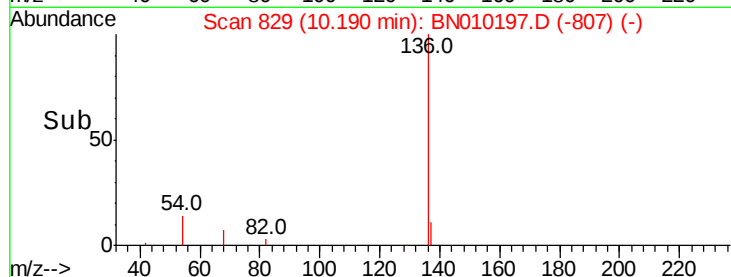
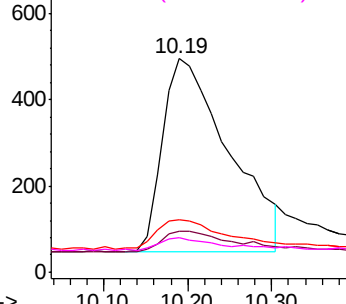


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.072 ng

RT: 8.76 min Scan# 716

Delta R.T. 0.20 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

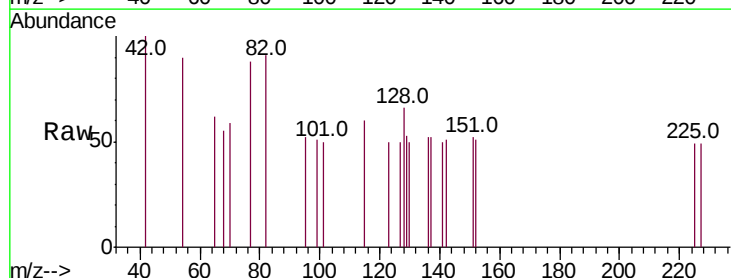
Tgt Ion: 82 Resp: 148

Ion Ratio Lower Upper

82 100

128 72.6 32.5 48.7#

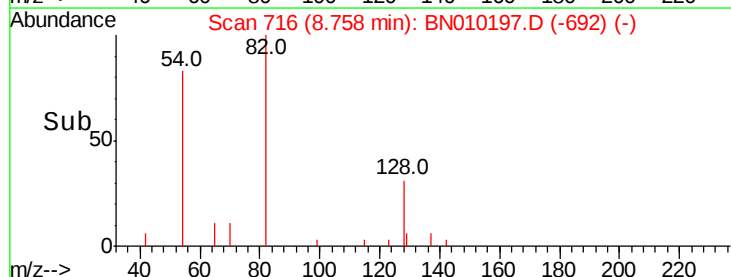
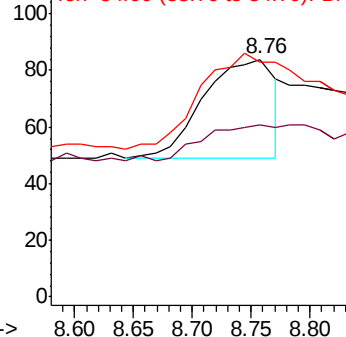
54 98.8 73.5 110.3

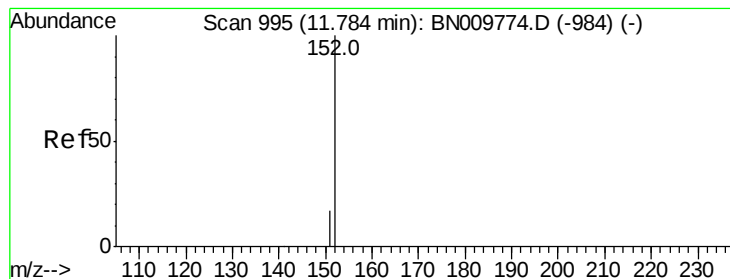


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.157 ng

RT: 11.81 min Scan# 1001

Delta R.T. 0.08 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

Instrument :

BNA_N

ClientSampleId :

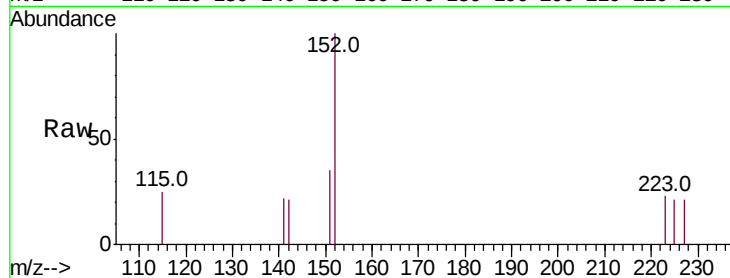
RE105D1-20200305DL

Tot Ion:152 Resp: 749

Ion Ratio Lower Upper

152 100

151 17.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.81

250

200

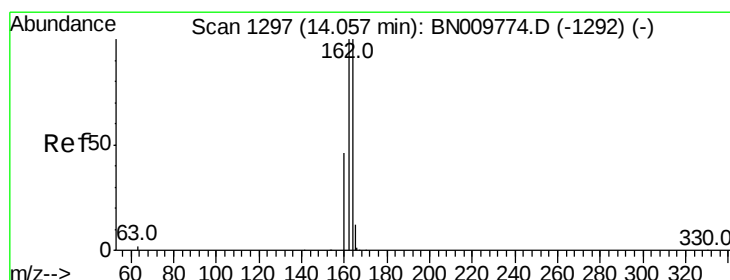
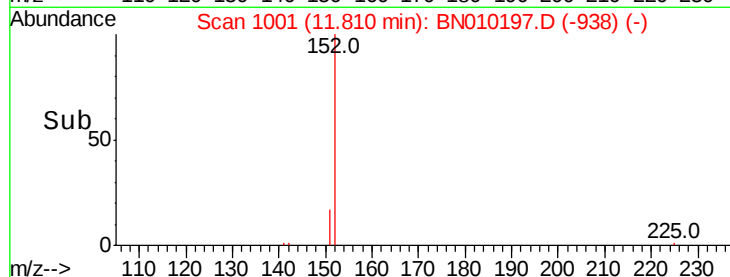
150

100

50

0

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

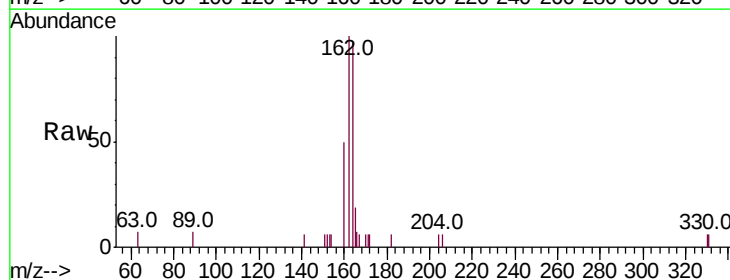
Tgt Ion:164 Resp: 1779

Ion Ratio Lower Upper

164 100

162 102.8 79.9 119.9

160 51.5 38.2 57.2



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

14.01

1000

800

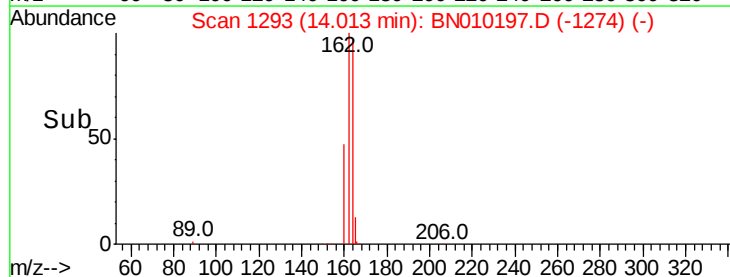
600

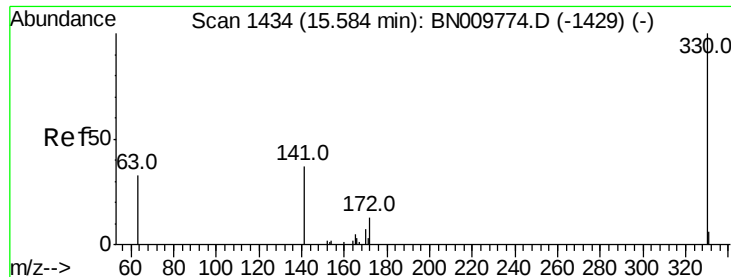
400

200

0

Time-->

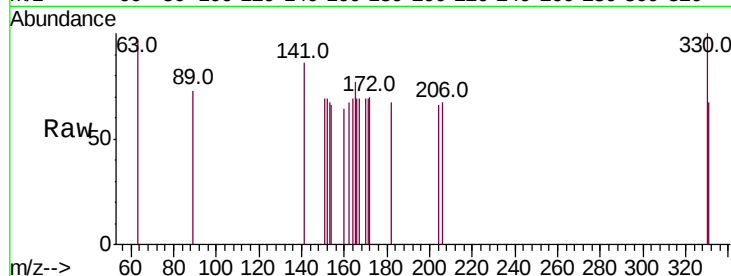




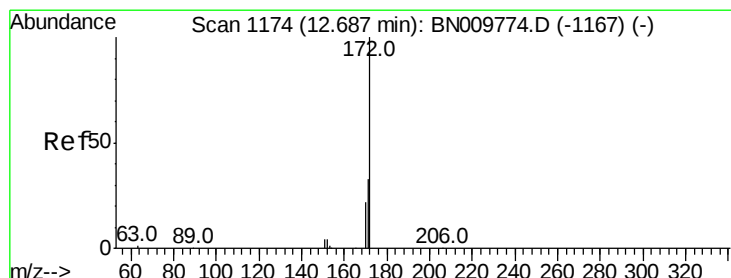
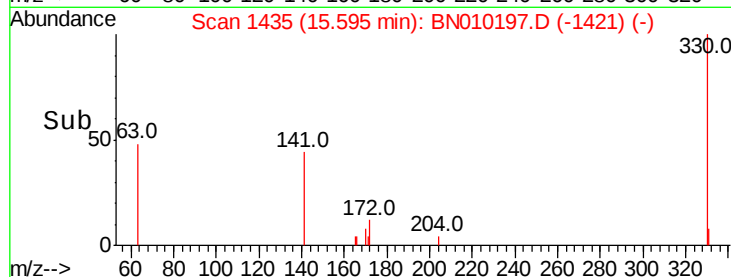
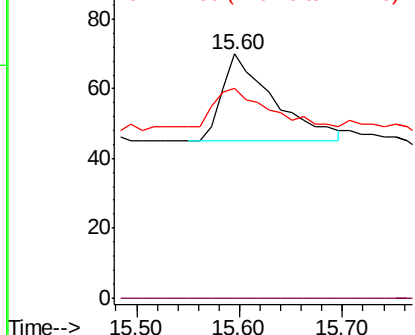
#14
 2,4,6-Tribromophenol
 Concen: 0.125 ng
 RT: 15.60 min Scan# 1435
 Delta R.T. 0.06 min
 Lab File: BN010197.D
 Acq: 11 Mar 2020 18:11

Instrument :
 BNA_N
 ClientSampleId :
 RE105D1-20200305DL

Tot Ion:330 Resp: 86
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 50.0 36.8 55.2

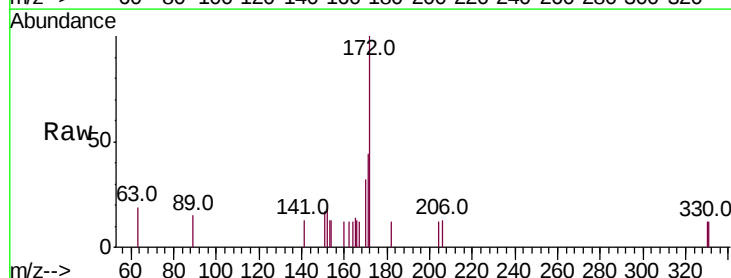


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

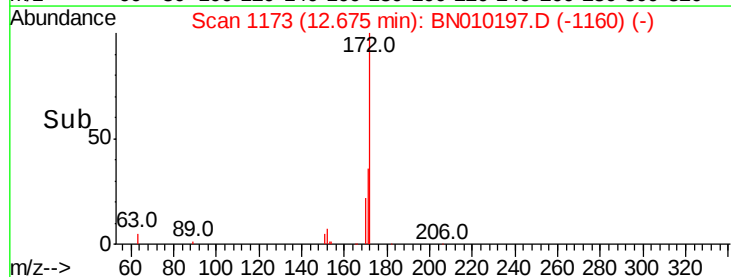
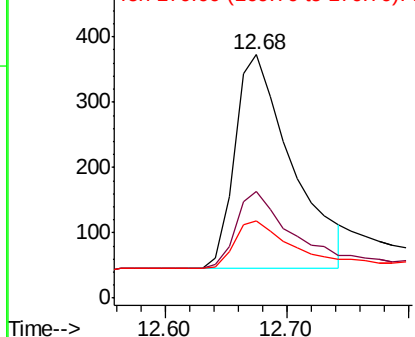


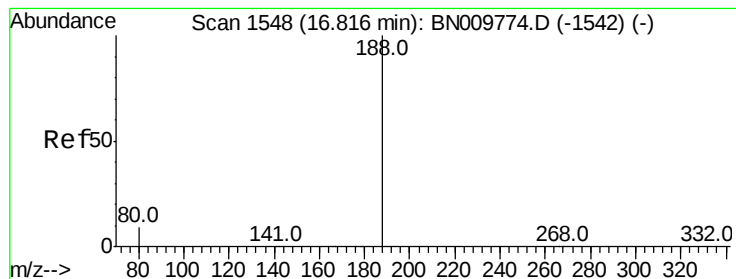
#15
 2-Fluorobiphenyl
 Concen: 0.159 ng
 RT: 12.68 min Scan# 1173
 Delta R.T. 0.04 min
 Lab File: BN010197.D
 Acq: 11 Mar 2020 18:11

Tgt Ion:172 Resp: 1070
 Ion Ratio Lower Upper
 172 100
 171 43.7 28.7 43.1#
 170 31.6 20.1 30.1#



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. 0.03 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

Instrument :

BNA_N

ClientSampleId :

RE105D1-20200305DL

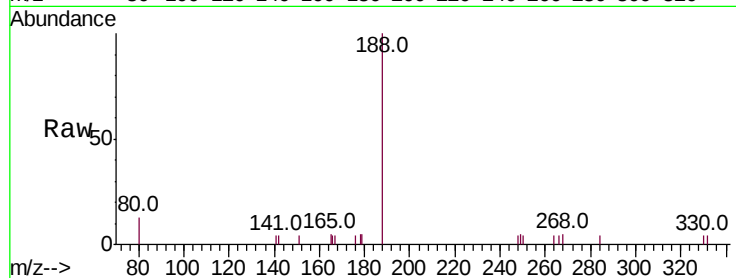
Tot Ion:188 Resp: 3476

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

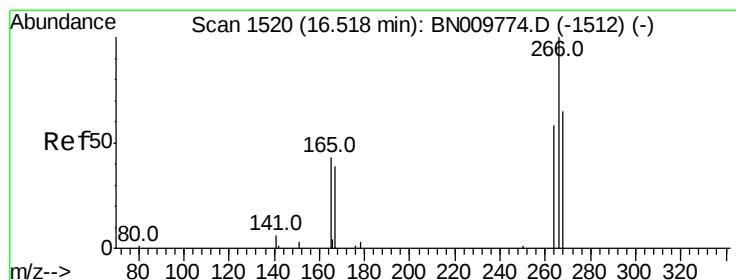
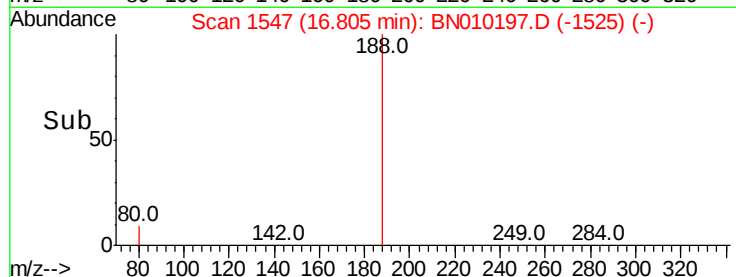
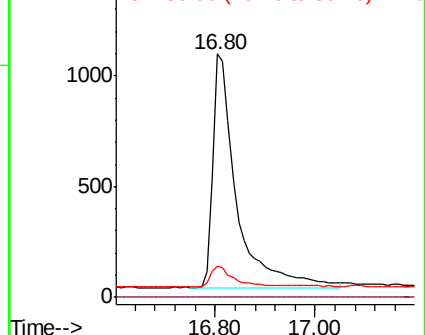
80 13.0 8.3 12.5#



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



#22

Pentachlorophenol

Concen: 0.181 ng

RT: 16.51 min Scan# 1519

Delta R.T. 0.04 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

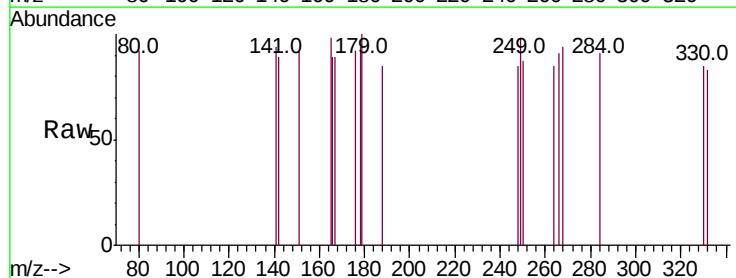
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 93.8 58.1 87.1#

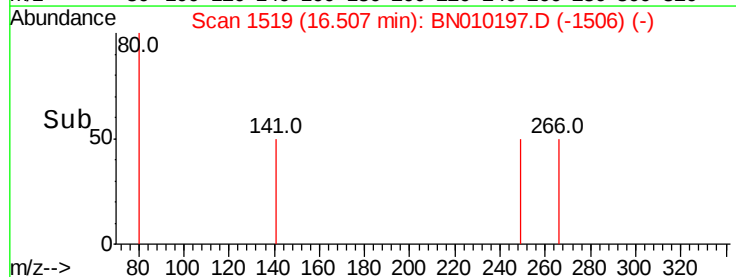
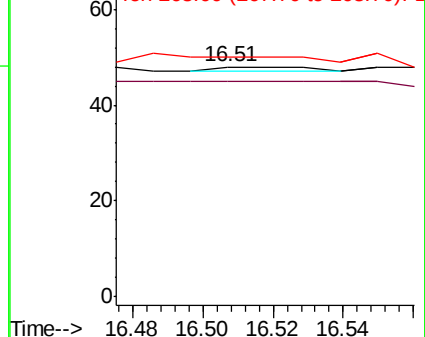
268 104.2 65.7 98.5#

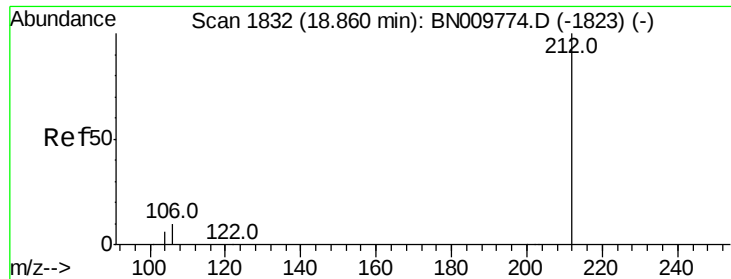


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.157 ng

RT: 18.84 min Scan# 1828

Delta R.T. 0.02 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

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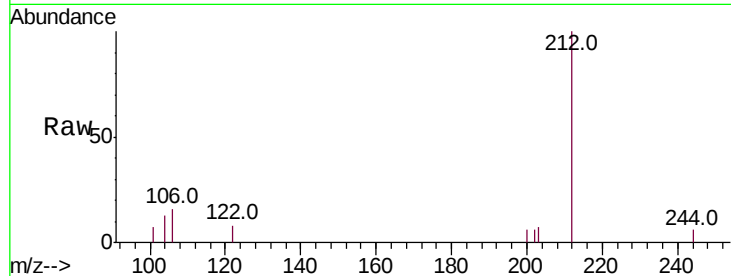
Tot Ion:212 Resp: 1892

Ion Ratio Lower Upper

212 100

106 9.4 8.4 12.6

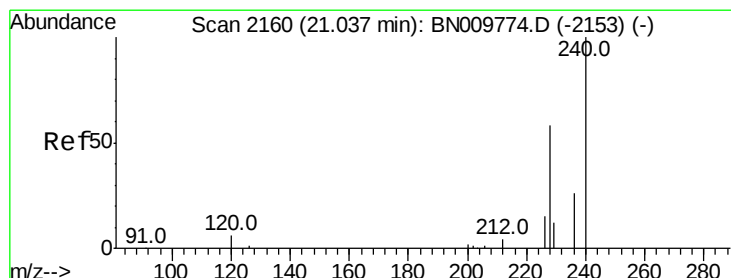
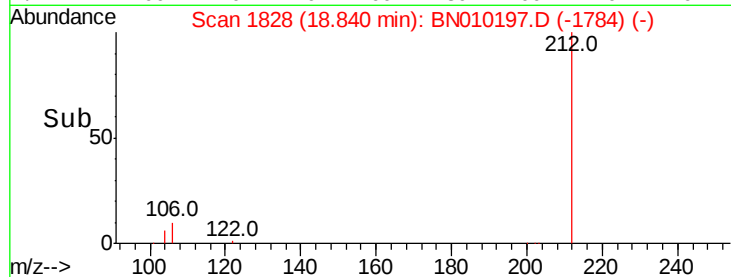
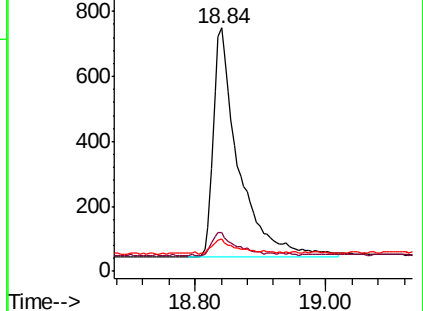
104 5.7 4.8 7.2



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: 21.02 min Scan# 2158

Delta R.T. 0.02 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

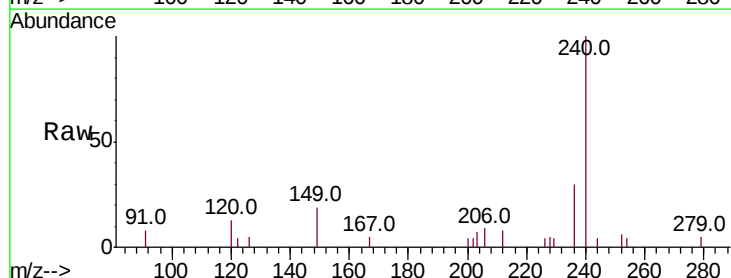
Tgt Ion:240 Resp: 3413

Ion Ratio Lower Upper

240 100

120 13.1 7.9 11.9#

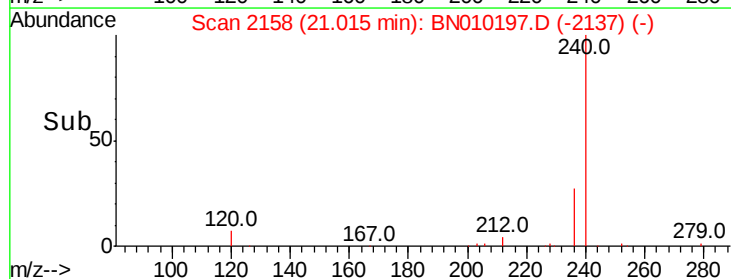
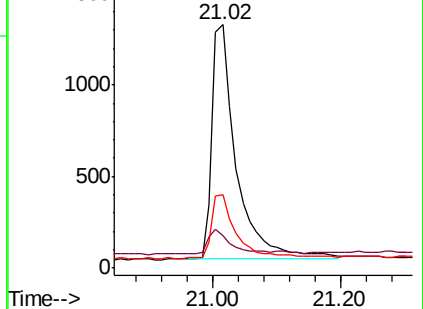
236 30.0 22.0 33.0

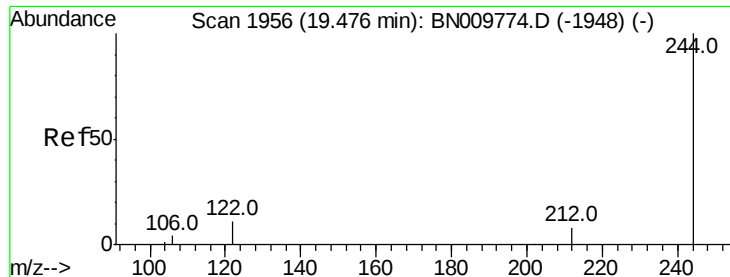


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.208 ng

RT: 19.45 min Scan# 1950

Delta R.T. 0.02 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

Instrument :

BNA_N

ClientSampleId :

RE105D1-20200305DL

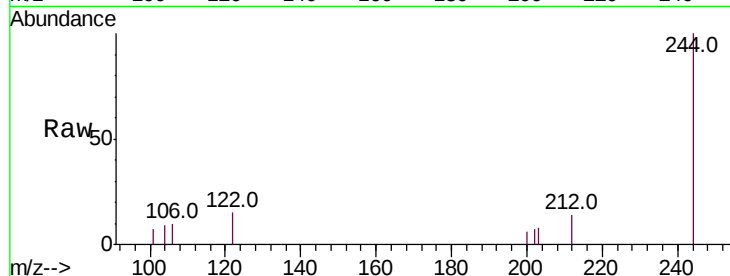
Tot Ion:244 Resp: 1696

Ion Ratio Lower Upper

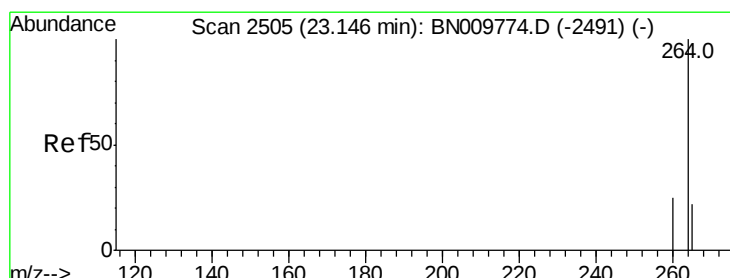
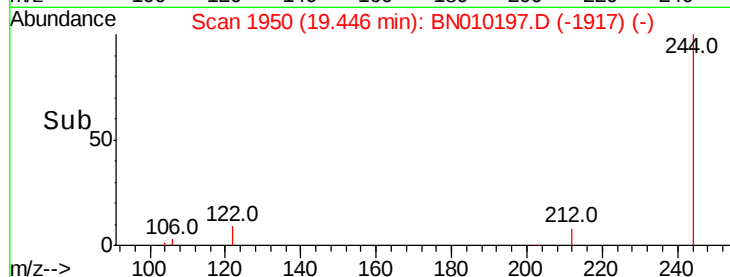
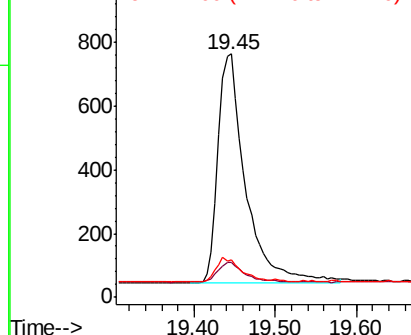
244 100

212 14.3 8.0 12.0#

122 15.4 10.0 15.0#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.11 min Scan# 2494

Delta R.T. 0.01 min

Lab File: BN010197.D

Acq: 11 Mar 2020 18:11

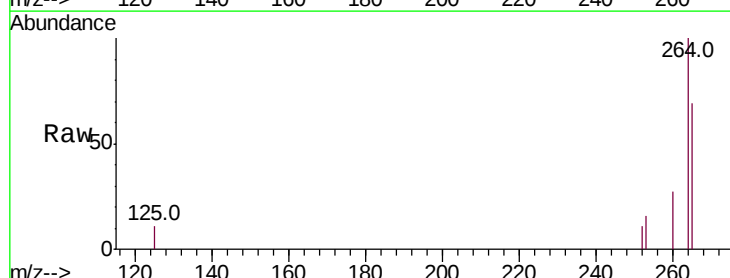
Tgt Ion:264 Resp: 3736

Ion Ratio Lower Upper

264 100

260 26.9 21.1 31.7

265 68.8 57.5 86.3



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

