

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062220\
 Data File : BN011010.D
 Acq On : 22 Jun 2020 15:40
 Operator : CG/JU
 Sample : L3033-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Z1-DUP-0571-200615

Quant Time: Jun 22 16:11:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 22 12:02:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	2396	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	8058	0.40	ng	0.00
13) Acenaphthene-d10	14.15	164	4370	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	9885	0.40	ng	-0.01
27) Chrysene-d12	21.11	240	9678	0.40	ng	-0.01
34) Perylene-d12	23.26	264	11344	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	965	0.21	ng	0.00
5) Phenol-d6	6.73	99	650	0.12	ng	0.00
8) Nitrobenzene-d5	8.67	82	2490	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	11.87	152	4278	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.65	330	743	0.48	ng	-0.01
15) 2-Fluorobiphenyl	12.76	172	7910	0.46	ng	-0.01
25) Fluoranthene-d10	18.94	212	10136	0.37	ng	0.00
29) Terphenyl-d14	19.56	244	11682	0.52	ng	0.00

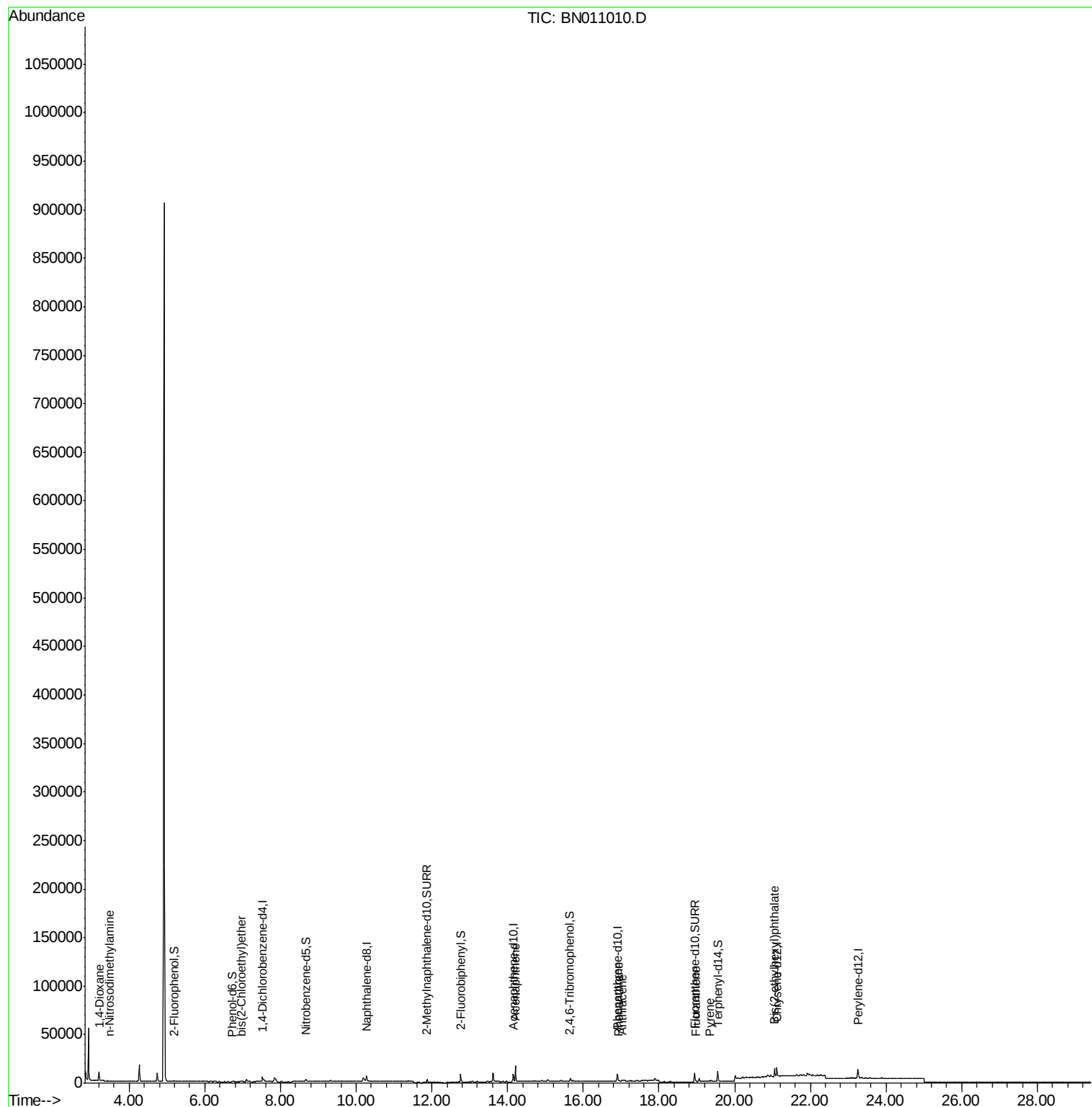
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	7697	3.280	ng	99
3) n-Nitrosodimethylamine	3.50	42	54	0.040	ng	# 1
6) bis(2-Chloroethyl)ether	6.98	93	819	0.154	ng	90
17) Acenaphthene	14.21	154	8292	0.679	ng	95
23) Phenanthrene	16.94	178	567	0.021	ng	# 80
24) Anthracene	17.04	178	1145	0.051	ng	# 83
26) Fluoranthene	18.97	202	1141	0.037	ng	# 85
28) Pyrene	19.34	202	1343	0.042	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.06	149	6830	0.720	ng	96

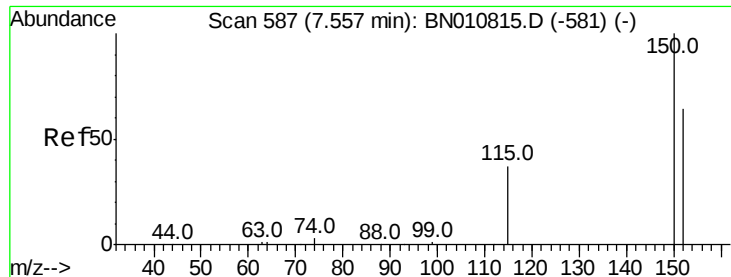
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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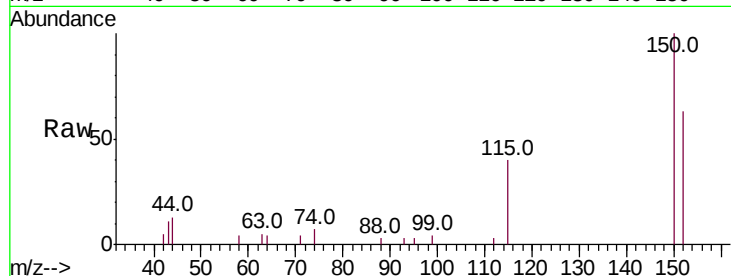


#1

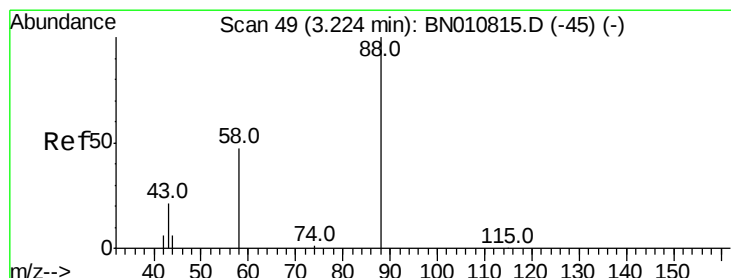
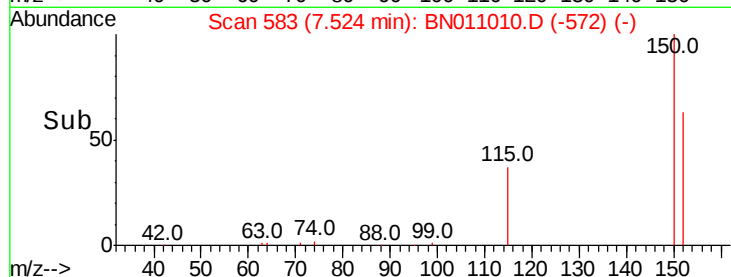
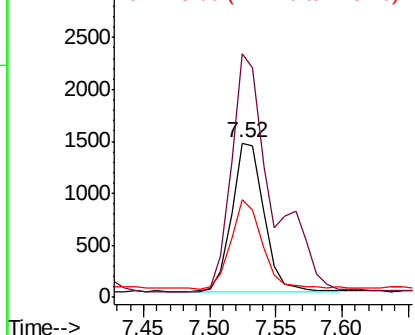
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BN011010.D
Acq: 22 Jun 2020 15:40

Instrument :
BNA_N
ClientSampleId :
Z1-DUP-0571-200615

Tot Ion:152 Resp: 2396
Ion Ratio Lower Upper
152 100
150 157.7 123.8 185.6
115 63.3 49.2 73.8



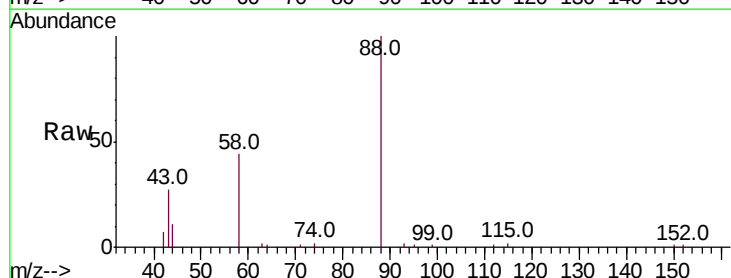
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



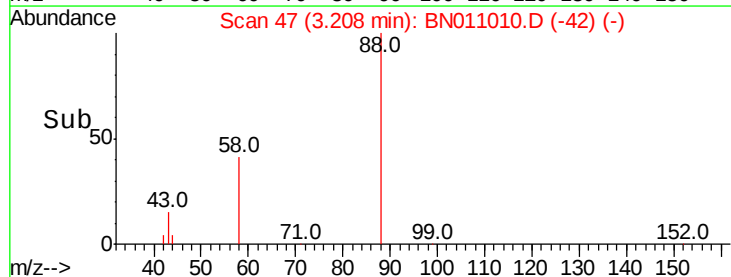
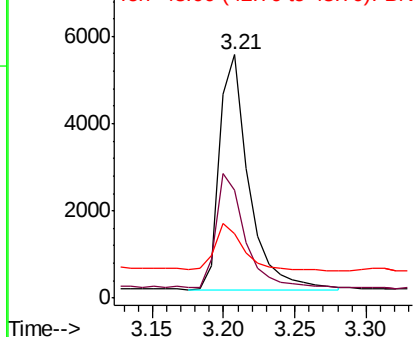
#2

1,4-Dioxane
Concen: 3.280 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN011010.D
Acq: 22 Jun 2020 15:40

Tgt Ion: 88 Resp: 7697
Ion Ratio Lower Upper
88 100
58 46.9 38.2 57.4
43 19.4 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





#3

n-Nitrosodimethylamine

Concen: 0.040 ng

RT: 3.50 min Scan# 83

Delta R.T. -0.06 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

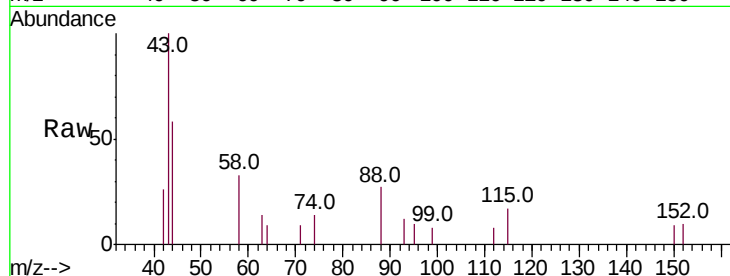
Tot Ion: 42 Resp: 54

Ion Ratio Lower Upper

42 100

74 25.9 140.7 211.1#

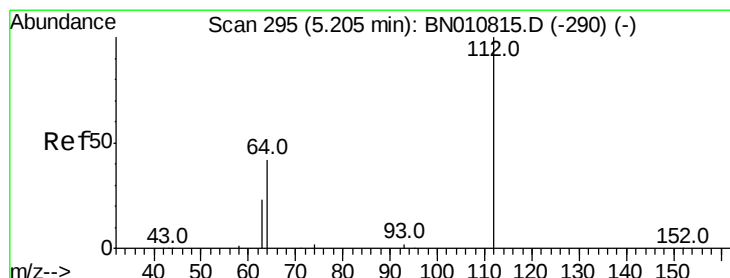
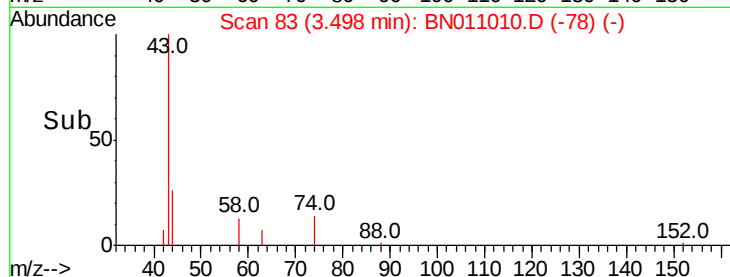
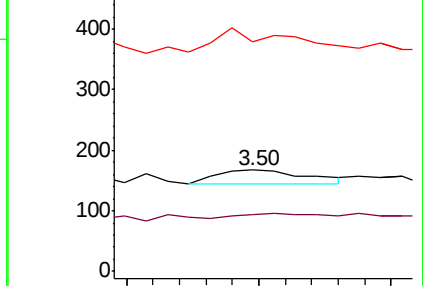
44 142.6 1.4 2.2#



Abundance Ion 42.00 (41.70 to 42.70): BN011010.D (-87) (-)

Ion 74.00 (73.70 to 74.70): BN011010.D (-87) (-)

Ion 44.00 (43.70 to 44.70): BN011010.D (-87) (-)



#4

2-Fluorophenol

Concen: 0.209 ng

RT: 5.18 min Scan# 292

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

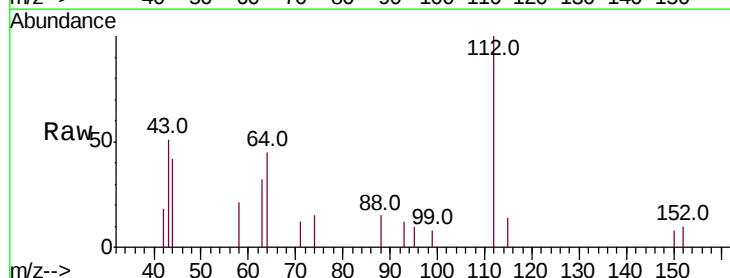
Tgt Ion: 112 Resp: 965

Ion Ratio Lower Upper

112 100

64 41.7 37.4 56.0

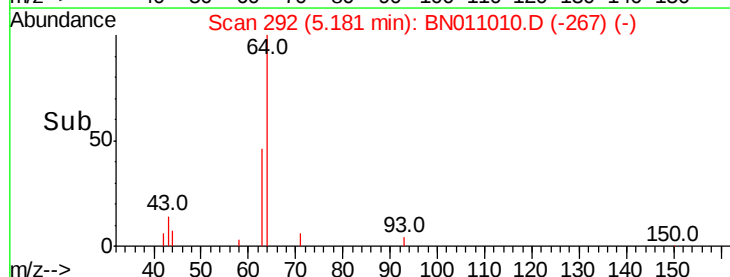
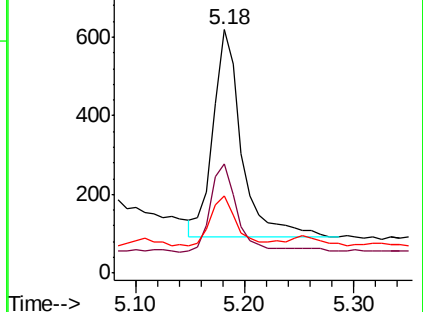
63 21.5 22.2 33.4#

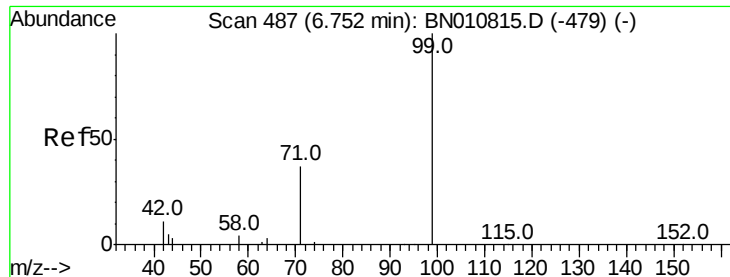


Abundance Ion 112.00 (111.70 to 112.70): BN011010.D (-290) (-)

Ion 64.00 (63.70 to 64.70): BN011010.D (-290) (-)

Ion 63.00 (62.70 to 63.70): BN011010.D (-290) (-)





#5

Phenol-d6

Concen: 0.119 ng

RT: 6.73 min Scan# 484

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

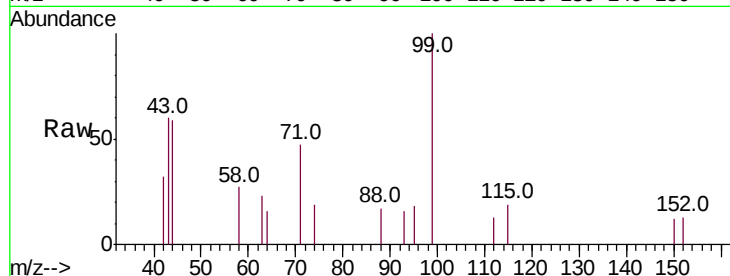
Tot Ion: 99 Resp: 650

Ion Ratio Lower Upper

99 100

42 21.5 11.1 16.7#

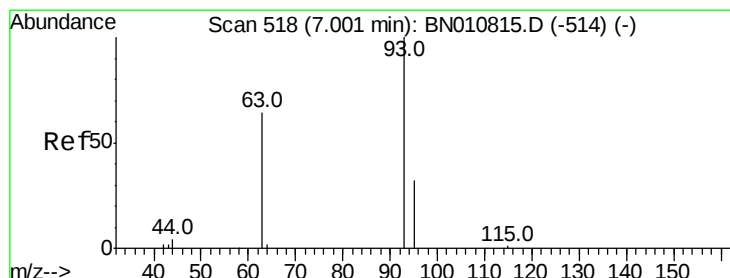
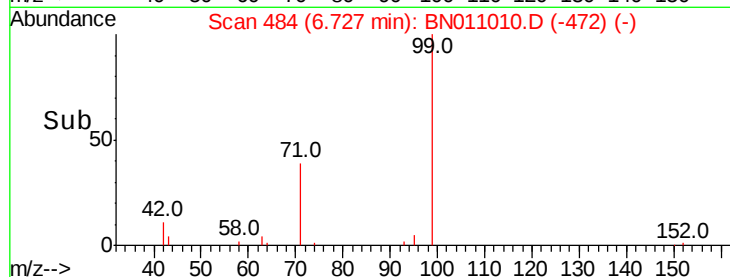
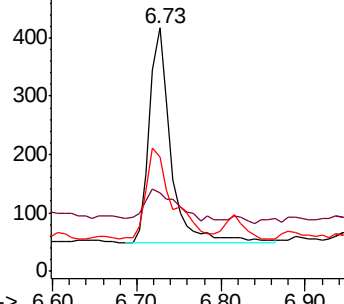
71 51.4 31.4 47.2#



Abundance Ion 99.00 (98.70 to 99.70): BN011010.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN011010.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN011010.D (-479) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.154 ng

RT: 6.98 min Scan# 515

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

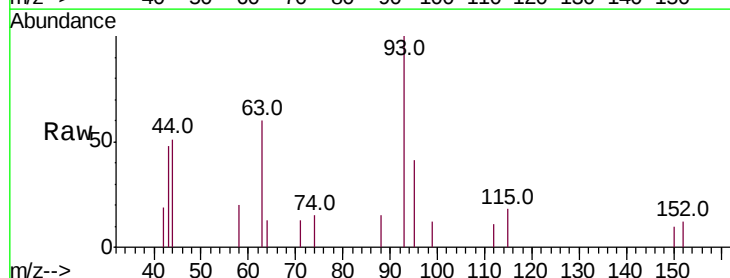
Tgt Ion: 93 Resp: 819

Ion Ratio Lower Upper

93 100

63 51.2 49.4 74.2

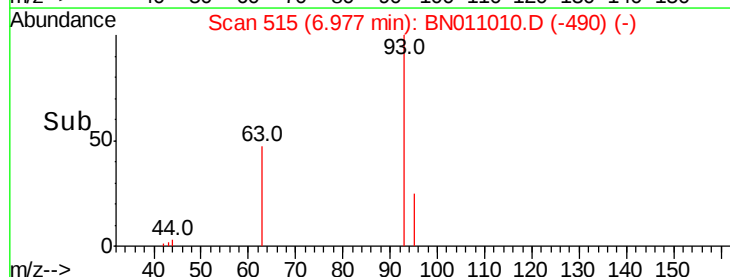
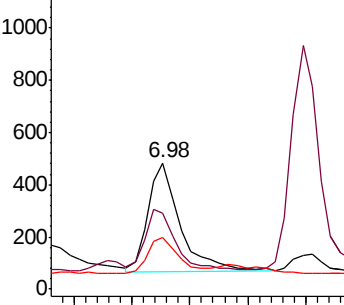
95 31.6 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN011010.D (-490) (-)

Ion 63.00 (62.70 to 63.70): BN011010.D (-490) (-)

Ion 95.00 (94.70 to 95.70): BN011010.D (-490) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

Tot Ion:136 Resp: 8058

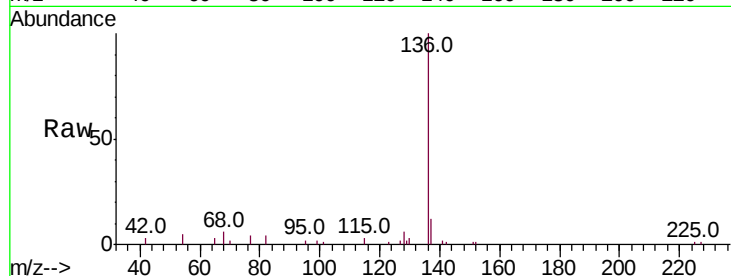
Ion Ratio Lower Upper

136 100

137 11.9 9.7 14.5

54 4.7 4.9 7.3#

68 6.0 4.7 7.1

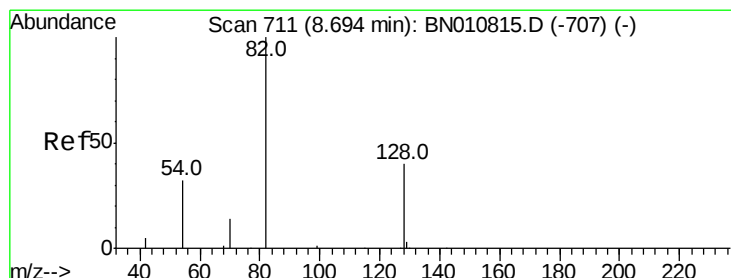
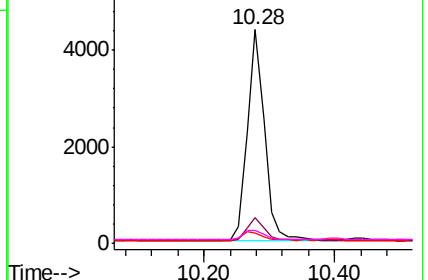
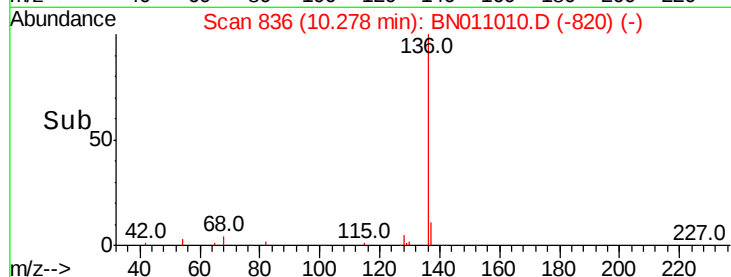


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.418 ng

RT: 8.67 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

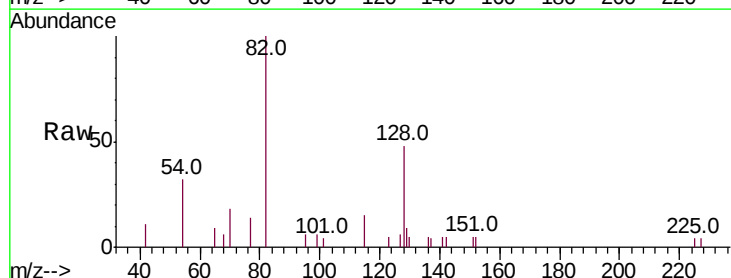
Tgt Ion: 82 Resp: 2490

Ion Ratio Lower Upper

82 100

128 47.9 35.4 53.0

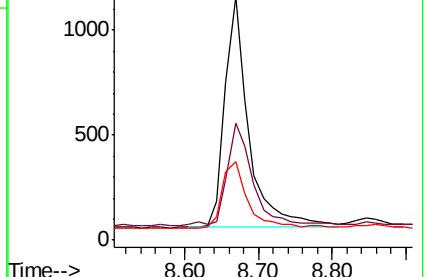
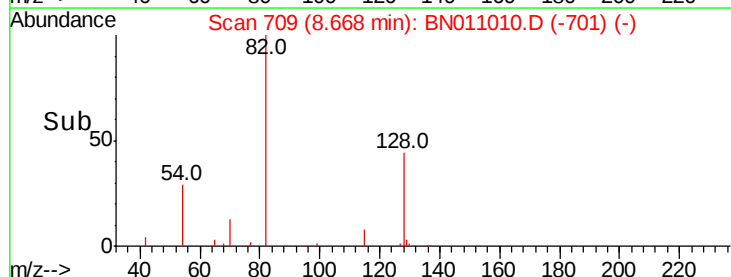
54 32.2 28.2 42.4

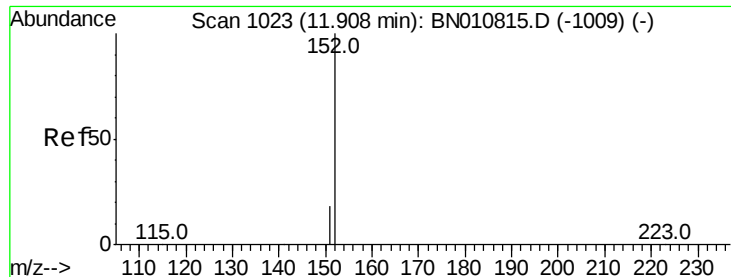


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

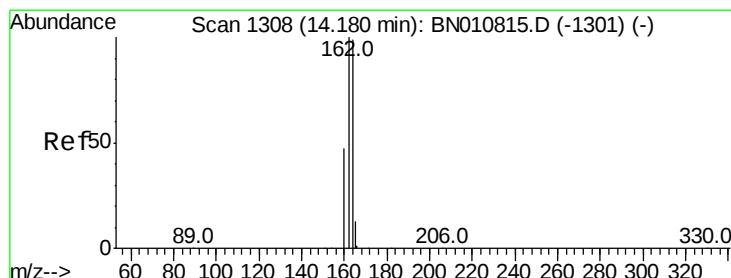
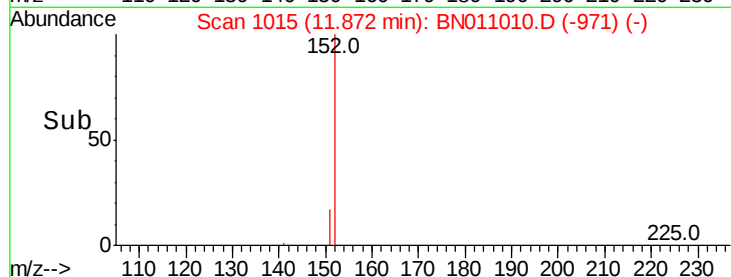
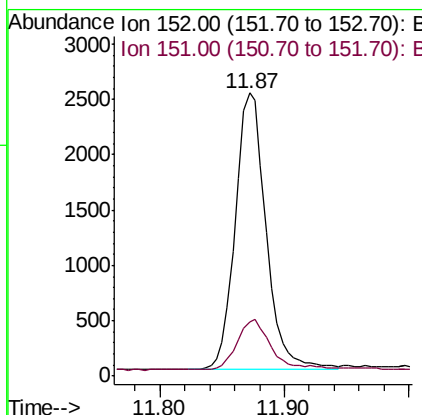
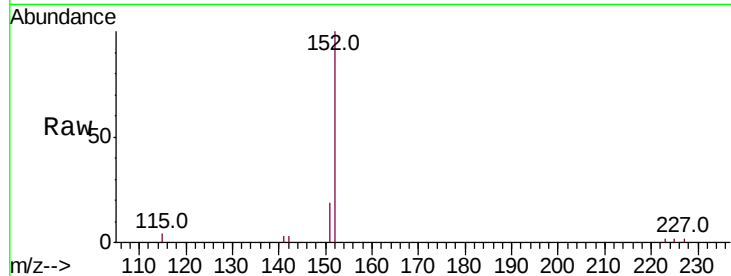




#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 11.87 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BN011010.D
Acq: 22 Jun 2020 15:40

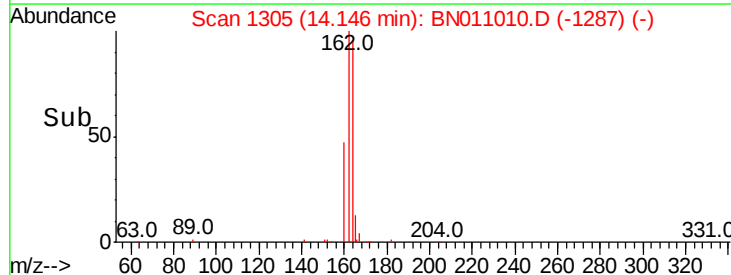
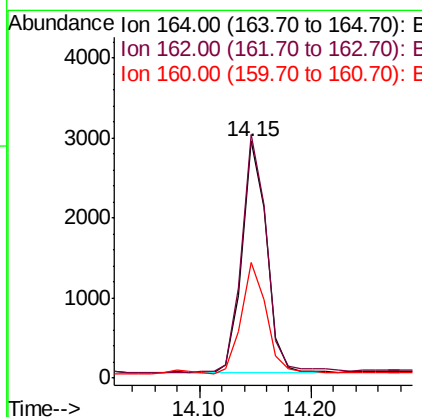
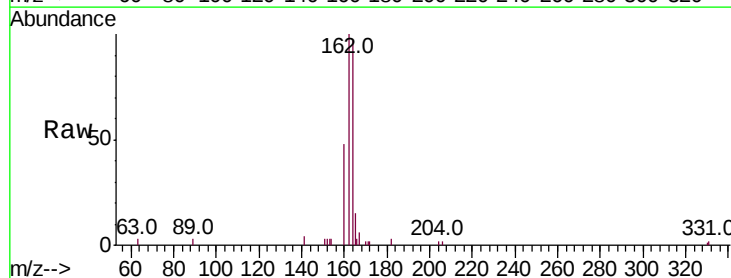
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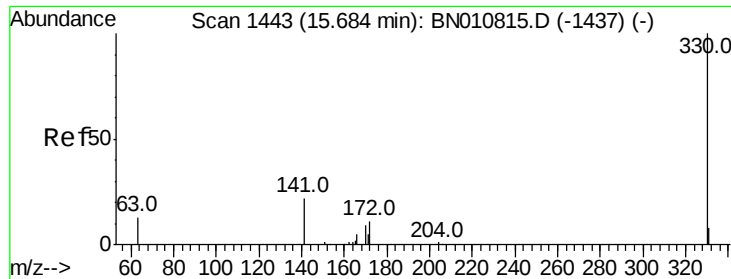
Tot Ion:152 Resp: 4278
Ion Ratio Lower Upper
152 100
151 20.5 15.3 22.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.15 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BN011010.D
Acq: 22 Jun 2020 15:40

Tgt Ion:164 Resp: 4370
Ion Ratio Lower Upper
164 100
162 102.9 81.0 121.6
160 48.9 38.9 58.3

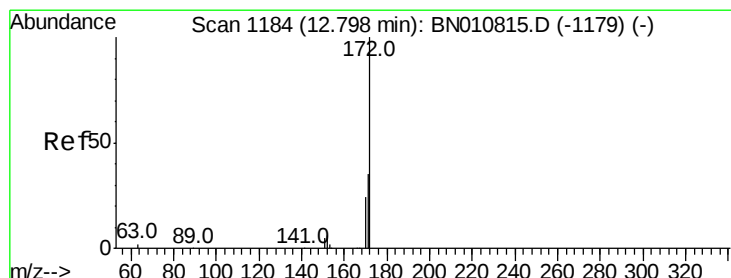
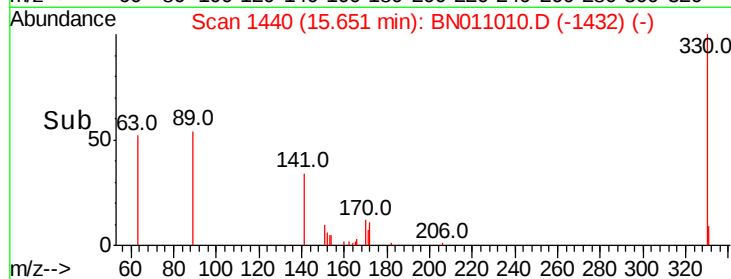
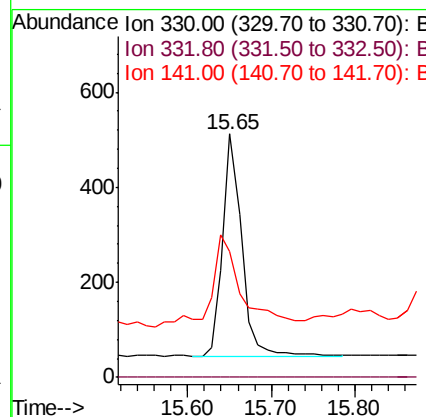
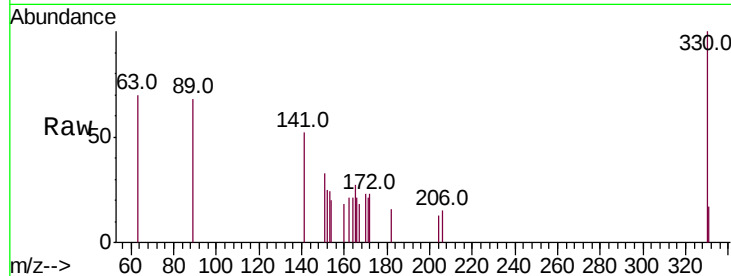




#14
 2,4,6-Tribromophenol
 Concen: 0.475 ng
 RT: 15.65 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BN011010.D
 Acq: 22 Jun 2020 15:40

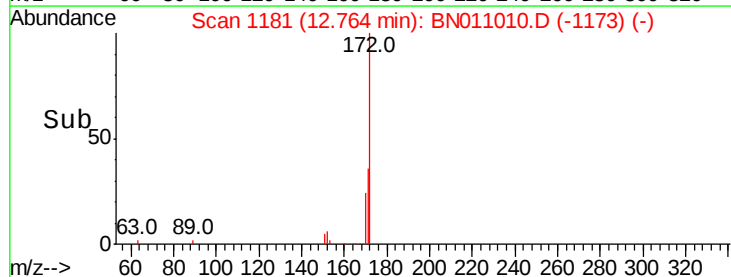
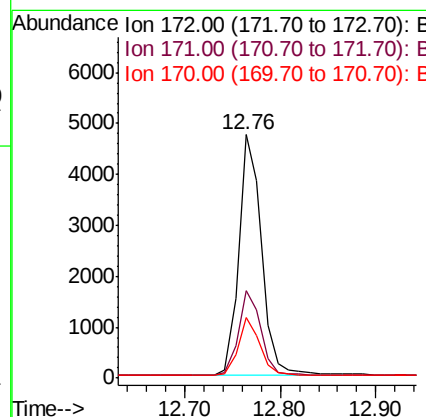
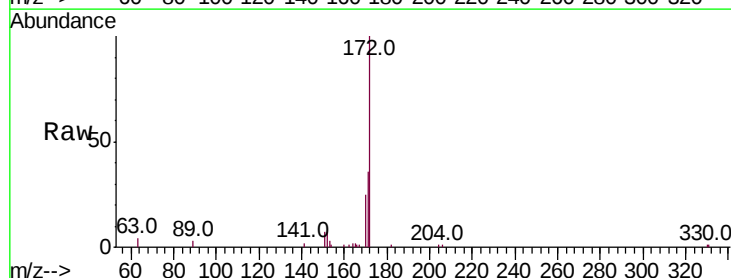
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 BNA_N
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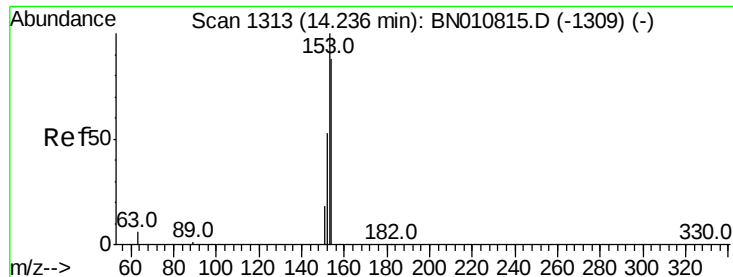
Tot Ion:330 Resp: 743
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 50.7 33.2 49.8#



#15
 2-Fluorobiphenyl
 Concen: 0.459 ng
 RT: 12.76 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BN011010.D
 Acq: 22 Jun 2020 15:40

Tgt Ion:172 Resp: 7910
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.5 42.7
 170 24.7 19.7 29.5





#17

Acenaphthene

Concen: 0.679 ng

RT: 14.21 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

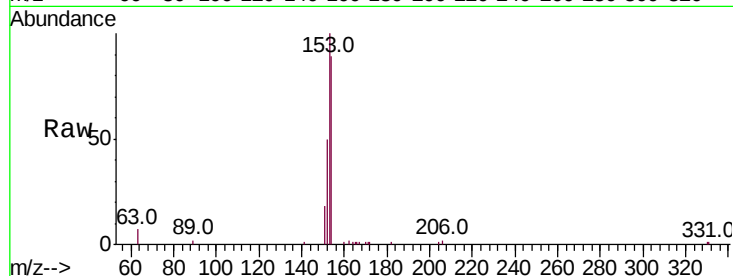
Tot Ion:154 Resp: 8292

Ion Ratio Lower Upper

154 100

153 110.7 91.8 137.6

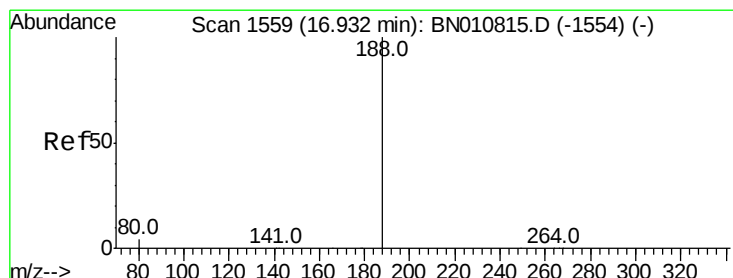
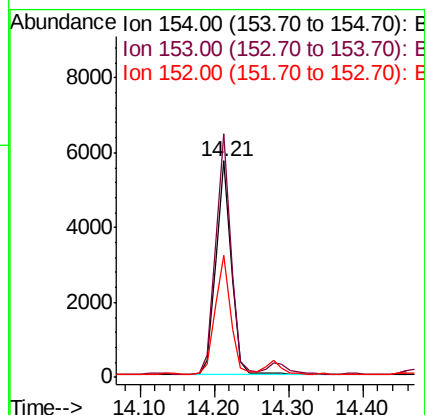
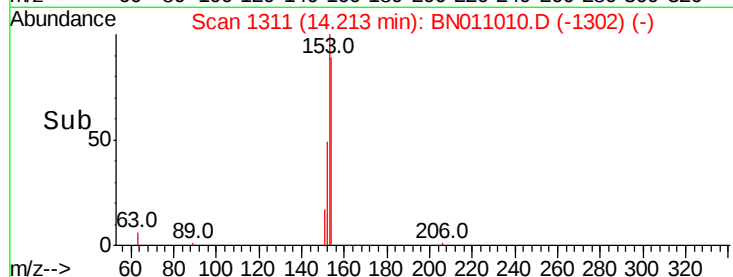
152 54.7 47.6 71.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

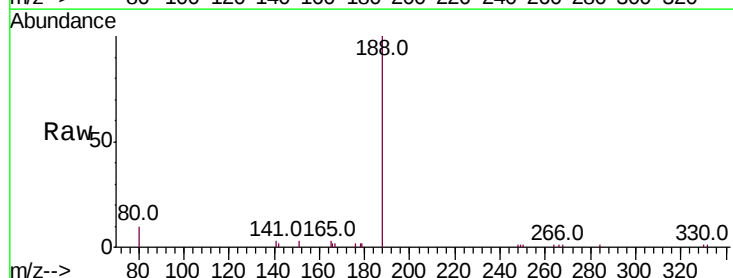
Tgt Ion:188 Resp: 9885

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

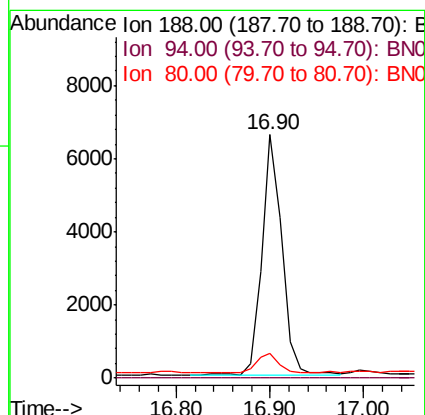
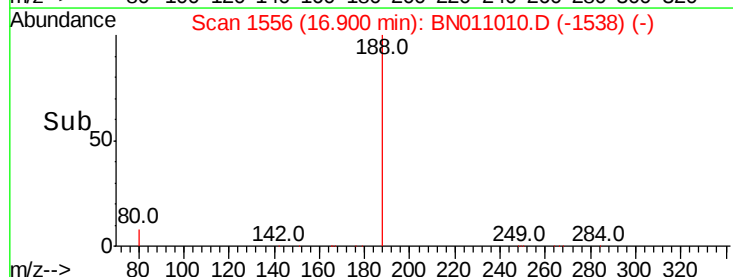
80 10.1 4.5 6.7#

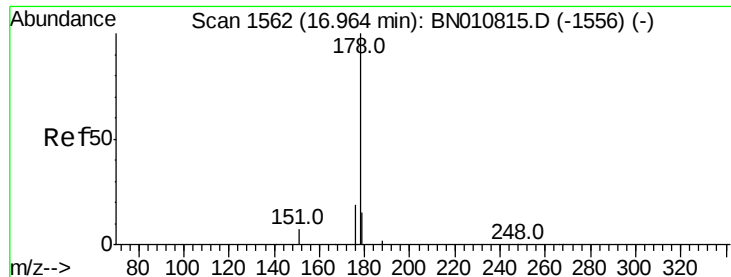


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.021 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

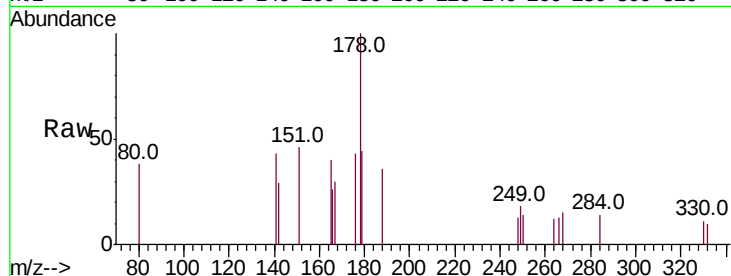
Tot Ion:178 Resp: 567

Ion Ratio Lower Upper

178 100

176 32.3 15.3 22.9#

179 11.6 12.6 19.0#



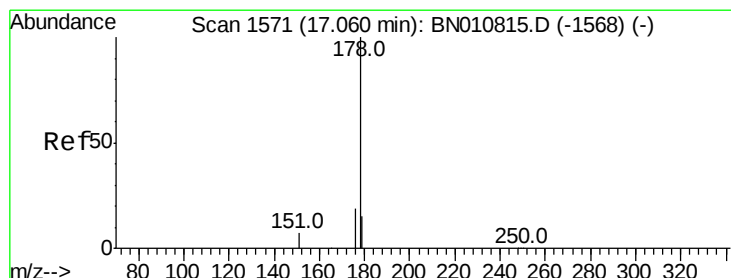
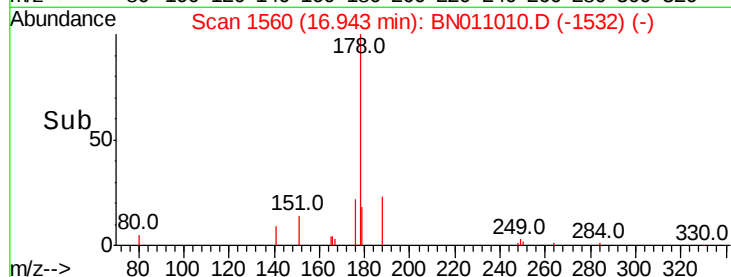
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.94

Time-->



#24

Anthracene

Concen: 0.051 ng

RT: 17.04 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

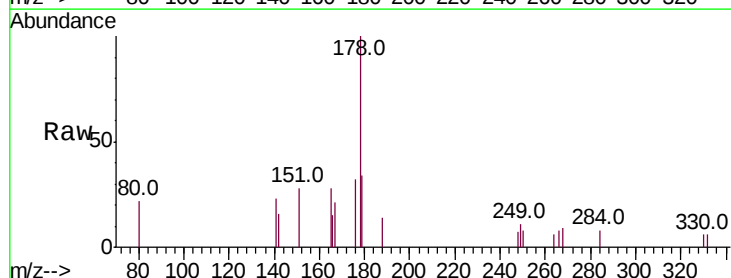
Tgt Ion:178 Resp: 1145

Ion Ratio Lower Upper

178 100

176 23.1 14.6 22.0#

179 25.7 12.3 18.5#



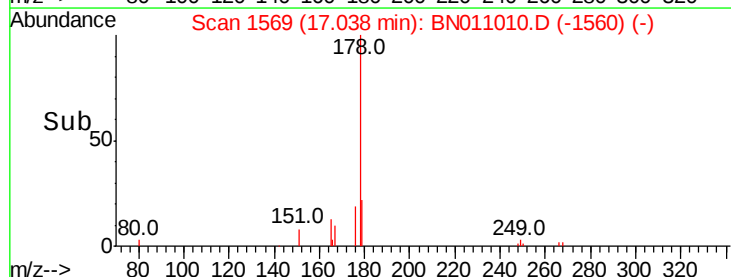
Abundance Ion 178.00 (177.70 to 178.70): E

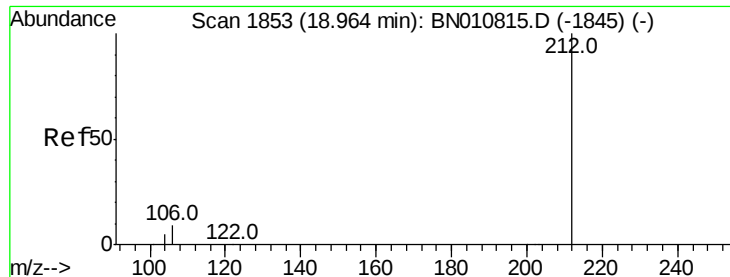
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.04

Time-->





#25

Fluoranthene-d10

Concen: 0.372 ng

RT: 18.94 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

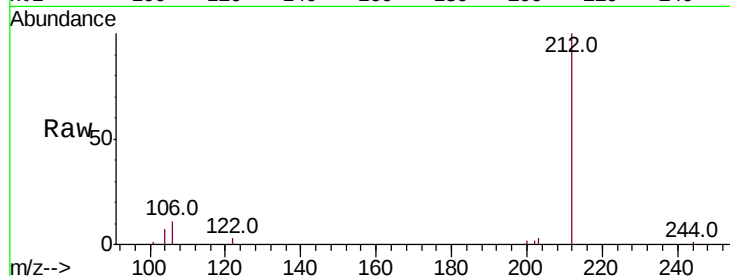
Tot Ion:212 Resp: 10136

Ion Ratio Lower Upper

212 100

106 10.3 6.6 10.0#

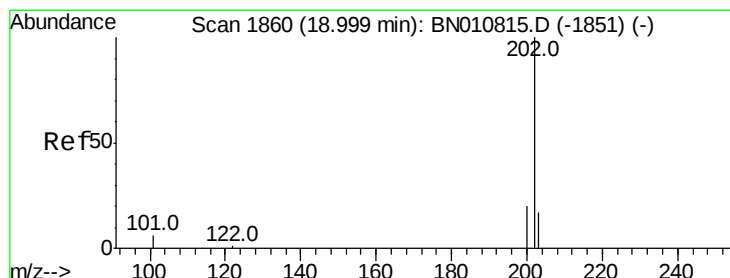
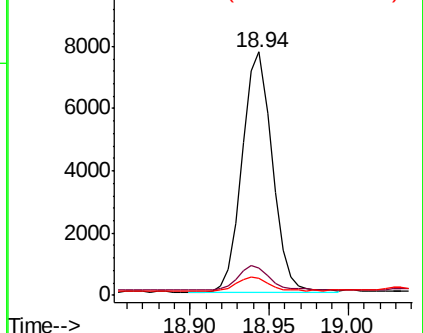
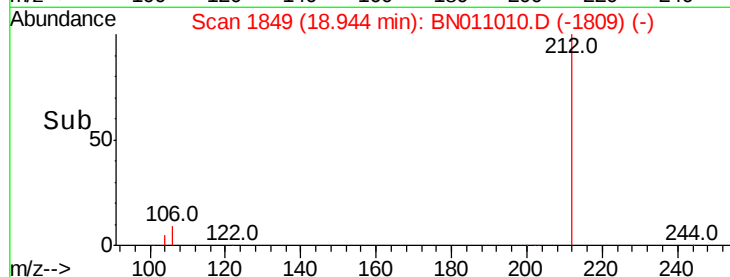
104 6.0 4.0 6.0#



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: 0.037 ng

RT: 18.97 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

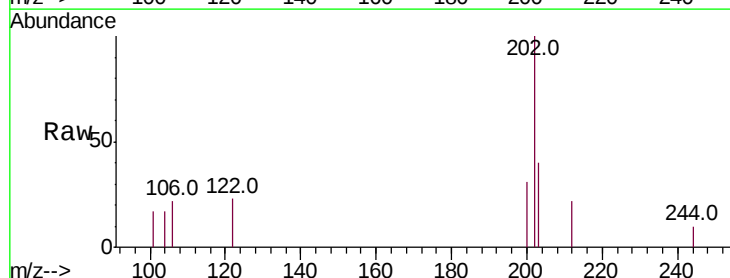
Tgt Ion:202 Resp: 1141

Ion Ratio Lower Upper

202 100

101 0.0 5.8 8.6#

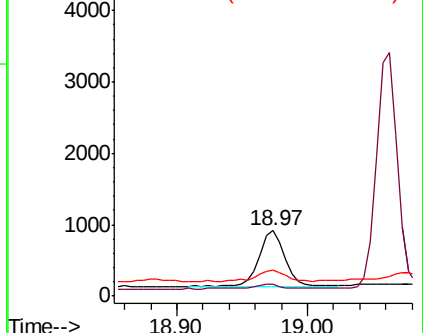
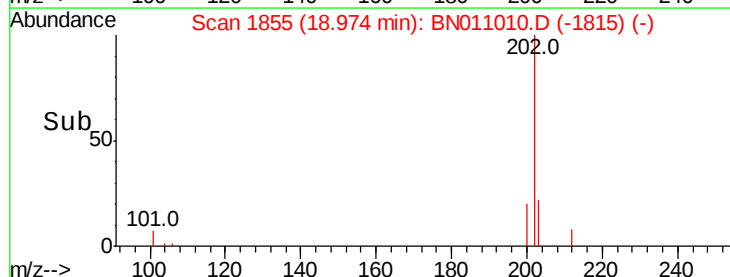
203 22.3 13.7 20.5#

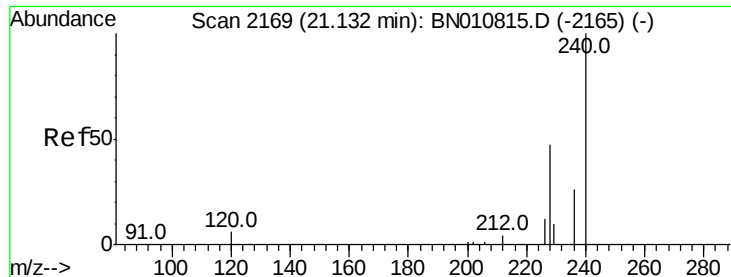


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

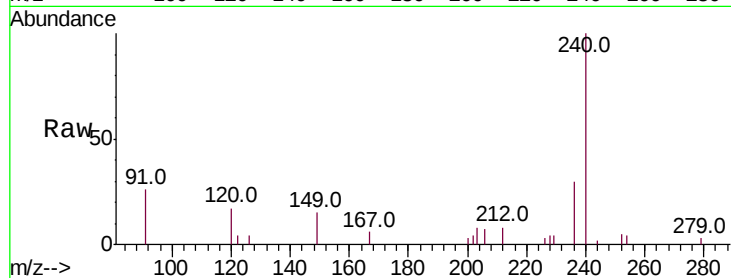
Tot Ion:240 Resp: 9678

Ion Ratio Lower Upper

240 100

120 16.6 7.5 11.3#

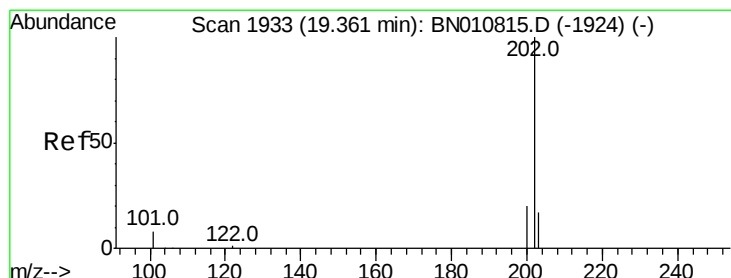
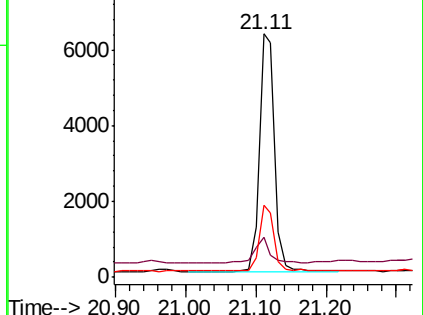
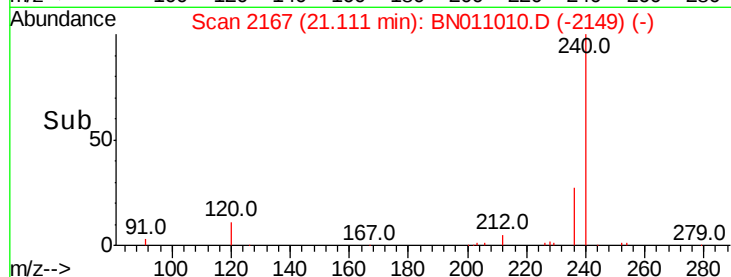
236 29.5 22.3 33.5



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



#28

Pyrene

Concen: 0.042 ng

RT: 19.34 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

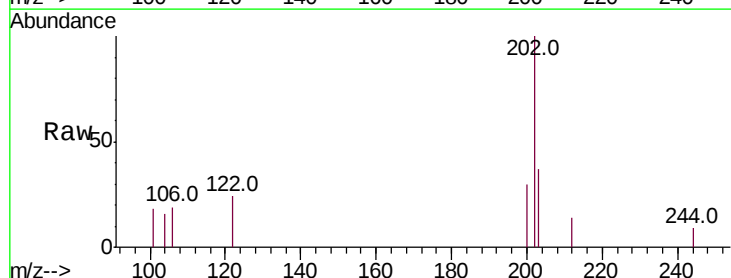
Tgt Ion:202 Resp: 1343

Ion Ratio Lower Upper

202 100

200 25.5 16.4 24.6#

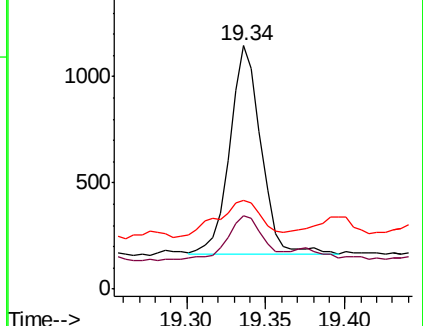
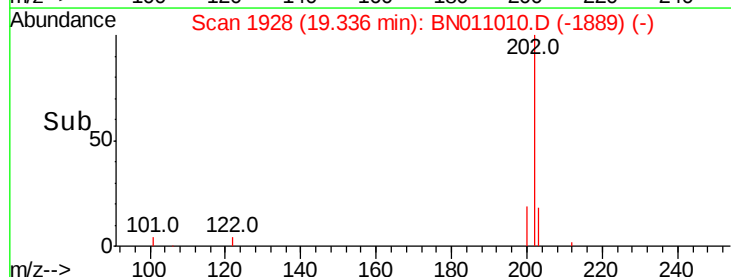
203 25.0 14.2 21.4#

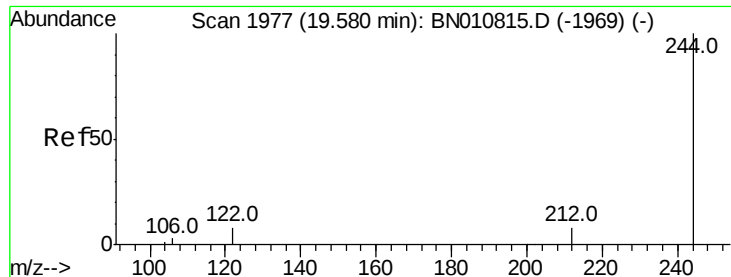


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.516 ng

RT: 19.56 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

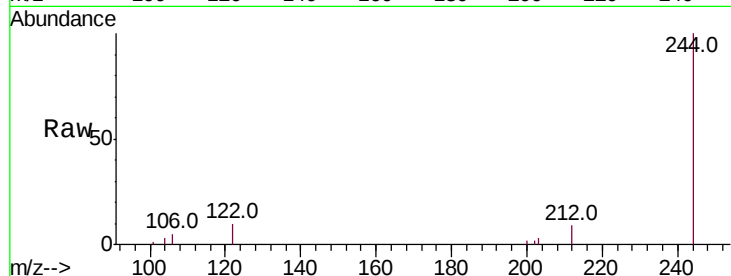
Tot Ion:244 Resp: 11682

Ion Ratio Lower Upper

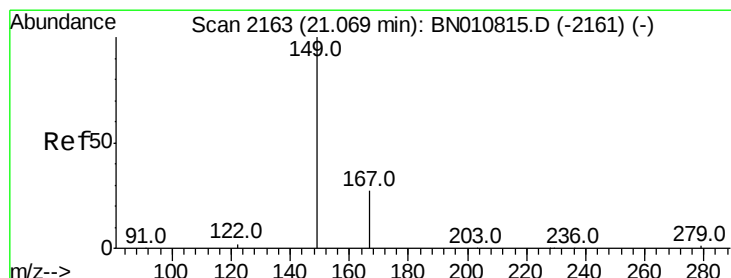
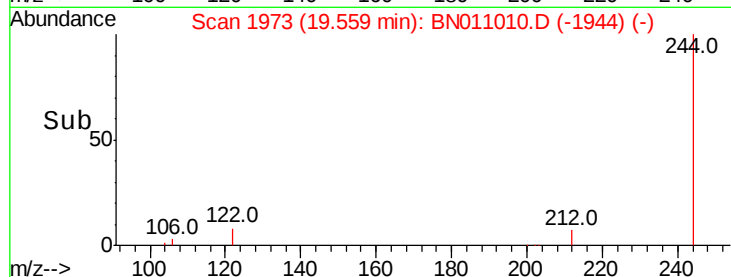
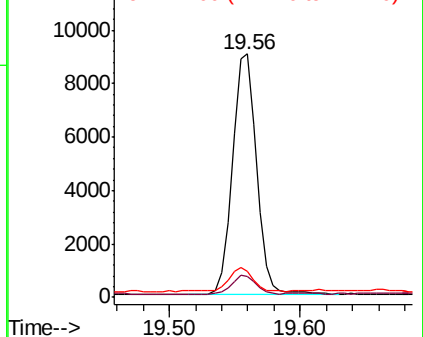
244 100

212 8.6 7.4 11.2

122 10.5 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: 0.720 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

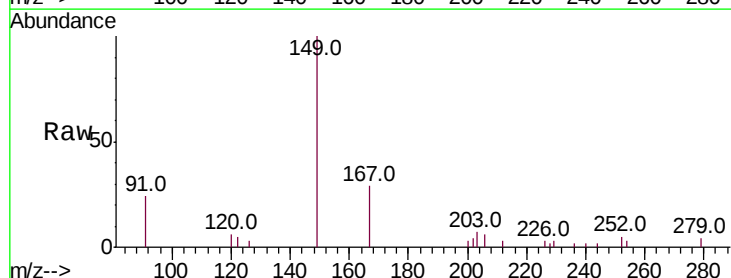
Tgt Ion:149 Resp: 6830

Ion Ratio Lower Upper

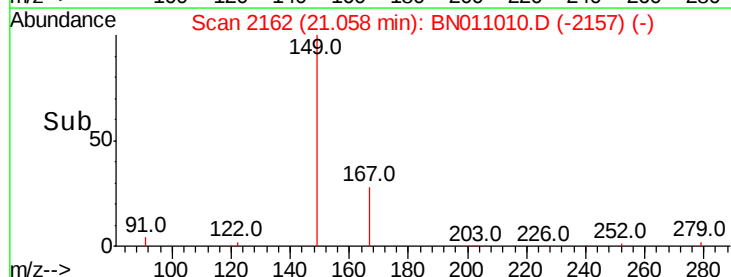
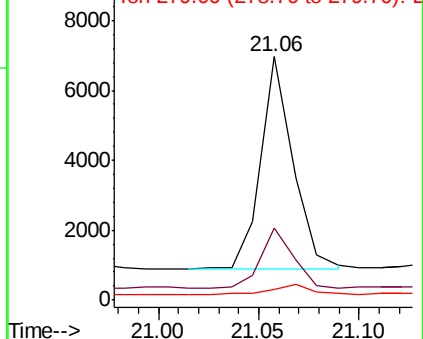
149 100

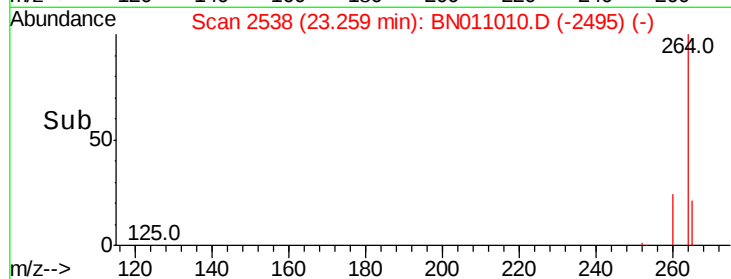
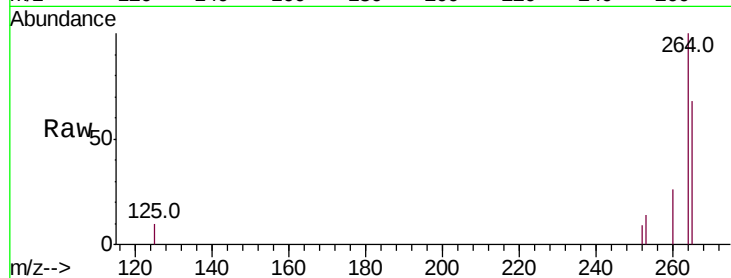
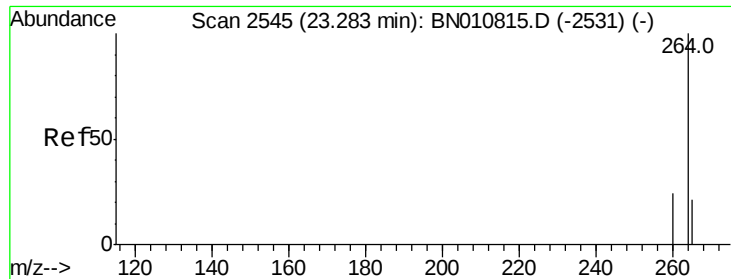
167 28.1 24.1 36.1

279 5.1 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





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.26 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN011010.D

Acq: 22 Jun 2020 15:40

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0571-200615

Tot Ion:264 Resp: 11344

Ion Ratio Lower Upper

264 100

260 25.6 20.4 30.6

265 67.9 75.0 112.4#

